



**Phase 1 Desk Study &  
Phase 2 Preliminary Site  
Investigation & Risk  
Assessment Report**

**Project Name:** Wealden House

**Location:** Lewes Road, East Grinstead, West Sussex RH19 3TB

**Client:** Antler Homes plc

**Project ID:** J16139

**Report Date:** 04 December 2025

**Report Issue:** 1

## SUMMARY

The site, which extends to about 1.3Ha, comprises the former EDF Energy building and an adjoining originally residential building, and associated garden, soft landscaping, access and parking areas. It is proposed to redevelop the site with a mixed residential development, consisting of two-storey houses with private gardens and two three-storey apartment blocks, and associated access and parking areas together with areas of soft landscaping.

Geological records indicate the site to be underlain by Ardingly Sandstone Member over Lower Tunbridge Wells Sand, with Wadhurst Clay Formation at depth. The Grinstead Clay Member is mapped overlying the Ardingly Sandstone Member over the far northern corner of the site.

A desk study has been carried out and indicates that the site has a history of residential and commercial use. Large areas of the site are covered by existing buildings and there is significant vegetation across other areas.

An intrusive investigation has been carried out. The soils encountered differed from the mapped geology, and Grinstead Clay was found across the site.

This report provides information to facilitate the discharge of Condition 8 of the planning permission. An existing Phase 1 Desk Study and Phase 2 intrusive investigation report forms the basis of this report (included as Appendix A), and should be read in conjunction with it.

There is evidence of limited soil contamination in the form of elevated concentrations of lead and genotoxic PAHs at one location on the site. An options appraisal and outline remediation strategy, comprising selective excavation and removal of the affected soils, are presented in respect of the known contamination.

The intrusive investigation was subject to various constraints, and some areas with potential contamination risk could not be accessed and have not been fully investigated. The constraints remain, and access to the areas in question can only be achieved once site clearance and demolition have commenced. Proposals are given for further investigation work to be undertaken as demolition proceeds.

A preliminary discovery strategy is also presented.

A final remediation strategy and verification plan will be produced once the results of the further investigation are known, and this will have to be agreed with the regulatory authorities to enable final discharge of Condition 8.

As with any site, areas of contamination not identified during investigation works may come to light during the course of redevelopment. Accordingly, a final discovery strategy must be in place during the redevelopment to ensure that any hitherto unknown contamination is identified and dealt with in an appropriate manner. Depending on the nature of any such contamination, it may prove necessary to reassess the remedial strategy for the site.

The presence of contamination may affect the classification of waste soils, or the potential for their re-use.

The contamination screening values used are valid at the time of writing but may be subject to change and any such changes will have implications for the assessments based on them. Their validity should be confirmed at the time of site development.

It should be recognised that site conditions can vary over time, in response to seasonal variations, prevailing weather conditions or other natural phenomena, and also in response to human activity on or near the site.

This report has been prepared for the sole internal use and reliance of Antler Homes plc and their appointed Engineers. This report shall not be relied upon or transferred to any other parties without the express written authorisation of Southern Testing Laboratories Ltd. If an unauthorised third party comes into possession of this report they rely on it at their peril and the authors owe them no duty of care and skill.

The findings and opinions conveyed via this investigation report are based on information obtained from a variety of sources as detailed within this report, and which Southern Testing Laboratories Ltd. believes are reliable. Nevertheless, Southern Testing Laboratories Ltd. cannot and does not guarantee the authenticity or reliability of the information it has obtained from others.

Southern Testing Laboratories Ltd. assumes no liability for any conditions not revealed in the records obtained in performance of the services in accordance with the limitations of the contract with the Client, or where variations occur between exploratory hole locations or below the depth of investigation.



The recommendations contained in this report are made in respect of the particular context of the investigation as described in the report and may not be appropriate to alternative development schemes. This report should be considered in its entirety and Southern Testing Laboratories Ltd. accepts no responsibility for and excludes liability in respect of any omission or alteration made by others, and any use of the report for any purpose other than that for which it was produced.

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For and on behalf of Southern Testing Laboratories Limited

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## TABLE OF CONTENTS

|          |                                                       |          |
|----------|-------------------------------------------------------|----------|
| <b>A</b> | <b>INTRODUCTION</b>                                   | <b>1</b> |
| 1        | Authority                                             | 1        |
| 2        | Location                                              | 1        |
| 3        | Proposed Construction                                 | 1        |
| 4        | Background and Objectives                             | 1        |
| 5        | Scope                                                 | 2        |
| <b>B</b> | <b>EXISTING REPORT</b>                                | <b>2</b> |
| 6        | Desk Study                                            | 2        |
| 7        | Intrusive Investigation                               | 3        |
| <b>C</b> | <b>OUTLINE REMEDIATION STRATEGY</b>                   | <b>3</b> |
| 8        | Remedial Objectives                                   | 3        |
| 9        | Options Appraisal                                     | 3        |
| <b>D</b> | <b>FURTHER INVESTIGATION &amp; DISCOVERY STRATEGY</b> | <b>5</b> |
| 14       | General Guidance                                      | 7        |

## TABLE OF APPENDICES

### APPENDIX A

Site Investigation Report

### APPENDIX B

Site Plans

### APPENDIX C

Assessment Criteria

## A INTRODUCTION

### 1 Authority

Our authority for carrying out this work is contained in a copy of our Project Order Form, dated 21<sup>st</sup> November 2025, which was completed, signed and returned by Jonathan Towell of Antler Homes plc.

### 2 Location

The site located just to the south of the A22 Lewes Road, northwest of the village of Ashurst Wood, about 2.8 km southeast of East Grinstead Railway Station. The approximate National Grid Reference of the site is TQ 41219 36921. The site location is indicated on Figure 1 within the report included in Appendix A.

### 3 Proposed Construction

It is proposed to redevelop the site with a mixed residential development, consisting of 35 two-storey houses with private gardens and two three-storey apartment blocks, and associated access and parking areas, together with areas of soft landscaping.

For the purposes of the contamination risk assessment, the proposed development land use is mostly classified as Residential with consumption of Home-grown Produce, with some areas of Public Open Space (residential) CLEA Model Ref [1] / C4SL Report Ref [2].

The gas sensitivity of the proposed development is rated as Moderate (apartment blocks) or High (houses) CIRIA C665 Ref [3].

### 4 Background and Objectives

The approved planning for the site includes various planning conditions. Condition 8 relates to contaminated land, and states:

*Prior to the commencement of development approved by this planning permission (or such other date or stage in development as may be agreed in writing with the Local Planning Authority), the following components of a scheme to deal with the risks associated with contamination of the site, including the identification and removal of asbestos containing materials, shall each be submitted to and approved, in writing, by the local planning authority:*

*a) A preliminary risk assessment which has identified:*

- all previous uses*
- potential contaminants associated with those uses*
- a conceptual model of the site indicating sources, pathways and receptors*
- potentially unacceptable risks arising from contamination at the site*

*and unless otherwise agreed in writing by the Local Planning Authority,*

*b) A site investigation scheme, based on (a) to provide information for a detailed assessment of the risk to all receptors that may be affected, including those off site;*

*and, unless otherwise agreed in writing by the Local Planning Authority,*

*c) Based on the site investigation results and the detailed risk assessment (b) an options appraisal and remediation strategy giving full details of the remediation measures required and how they are to be undertaken.*

The objective of this report is to provide information to facilitate the discharge of Condition 8 parts a) and b), and the outline basis for the discharge of part c).

A Phase 1 Desk Study and Walkover and Phase II geotechnical and contamination (risk estimation and evaluation) investigation was carried out at the site in 2024. The report on that investigation forms the basis of this report, and is included as Appendix A.

It should be noted that the earlier investigation did not include any assessment of the potential presence of asbestos or asbestos containing materials within the structures present on the site, and consideration of the same is excluded from this report. Appropriate pre-demolition surveys must be carried out, to ensure that any associated risks can be properly managed.

## 5 Scope

This report presents an outline remediation strategy, based on the existing site investigation, and details further investigation requirements to enable a detailed remediation strategy to be produced.

As with any site there may be differences in soil conditions between exploratory hole positions and below the depth of investigation. Southern Testing assumes no liability in respect of such differences.

This report is not an engineering design and the figures and calculations contained in the report should be used by the Engineer, taking note that variations will apply, according to variations in design loading, in techniques used, and in site conditions. Our figures therefore should not supersede the Engineer's design.

The site investigation has been completed with reference to BS 5930 Ref [4] and BS 10175 Ref [5].

Geotechnical issues are not considered in this report.

It should be recognised that site conditions can vary over time, in response to seasonal variations, prevailing weather conditions or other natural phenomena, and also in response to human activity on or near the site.

The findings and opinions conveyed via this investigation report are based on information obtained from a variety of sources as detailed within this report, and which Southern Testing Laboratories Ltd. believes are reliable. Nevertheless, Southern Testing Laboratories Ltd. cannot and does not guarantee the authenticity or reliability of the information it has obtained from others.

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Detailed information on the proposed development, such as detailed final layout, loadings and serviceability limits was not provided. Accordingly, where geotechnical design advice is provided it is on the prescriptive basis allowed for by Eurocode 7: employing conventional and conservative design rules.

The contamination screening values used are valid at the time of writing but may be subject to change and any such changes will have implications for the assessments based on them. Their validity should be confirmed at the time of site development.

## B EXISTING REPORT

The existing site investigation report is included as Appendix A of this report. The conditions, exclusions and limitations described in that report apply to its use in this report.

The following sections refer to elements of the existing report, for ease of reference and to provide context for this report.

## 6 Desk Study

A desk study has been carried out. There have been no significant changes on the site or in the surrounding area that are considered likely to affect the findings of the desk study.

## 7 Intrusive Investigation

The intrusive investigation provides general coverage of the site but was partly restricted by existing site buildings, features, vegetation, utilities and drainage.

### 7.1 Soils Found

The soils found across the site comprise clay, tending to mudstone with depth, overlain by 300mm to 800mm of made ground or topsoil. The clay soils are thought to be Grinstead Clay bedrock. The superficial soils across the majority of the site area (outside of the existing buildings) comprise made ground, which generally consists of a blacktop surfacing over a granular subbase of mixed composition; predominantly brick, brick and concrete, or crushed limestone. Topsoil is limited to the soft landscaped areas to the rear of the existing buildings (in the southwest corner of the site) and along the southern site boundary, though some may also be present in the densely vegetated area along the northern part of the eastern site boundary.

### 7.2 Identified Contamination

Samples of the made ground, topsoil, and underlying natural soils were tested.

No significant contamination was found, with the exception of one sample (WLS103 @ 0.5m) where concentrations of lead and genotoxic PAH's were recorded in excess of the screening values for a residential land use including consumption of home grown produce. Relevant pollutant linkages were identified in respect of this material.

The recorded concentration of PAH is not above the threshold for plastic drainage pipes. Water supply pipes should also not be affected, if they are to be laid in the affected area, as these would typically be laid in the clean natural soils at depth, and provided that appropriate precautions are taken during construction to ensure that only clean materials are used to backfill excavations. However, it is noted that some water companies require protective pipework on previously developed sites, regardless of the actual soil conditions.

A marginally elevated concentration of lead, relative to the selected screening criterion, was also recorded in the natural soils at WLS 102. However, this location is within a proposed area of open space, and the measured concentration here (210mg/kg) is below the screening criterion for residential land use without consumption of home grown produce (310mg/kg). Similar concentrations were not recorded elsewhere and, accordingly, this occurrence is not considered further.

It is noted that the investigation was subject to various constraints, and some areas with potential contamination risk could not be accessed. In particular, areas of the site where there has been fuel storage and use (locations of former tanks, generators and related infrastructure), and possible PCB use (locations of sub-stations and transformers) have not been fully investigated.

## C OUTLINE REMEDIATION STRATEGY

### 8 Remedial Objectives

The objective of remediation is to remove or reduce any known risk to acceptable levels, and ensure that the development is safe and fit for purpose. Following remediation, the site shall not be classifiable as 'contaminated land' under part IIA of the Environmental Protection Act. The minimisation of soils waste is an important consideration.

### 9 Options Appraisal

The known presence of lead and PAHs in excess of their adopted screening criteria, appears restricted to a particular soil horizon that was observed in only one of the exploratory holes. This material may, therefore, be localised. The affected location is at the site of one of the proposed apartment blocks. Any associated soft landscaping is likely to be of limited extent and not for private use. Accordingly, and for the purposes of risk assessment, a land use classification of Residential without consumption of homegrown produce or Open Space (residential) would be more appropriate. Whilst the relevant screening criteria for these land uses are higher than those adopted in the initial assessment, they are still exceeded by the measured concentrations of lead and PAH at WLS 103.



## 9.1 Known Contamination - Lead & PAH

The risks to human health receptors from lead and PAH could be dealt with by several methods.

In respect of construction and maintenance workers, the use of PPE and safe working practices (minimising disturbance of the soil, creation of dust and the extent and duration of contact with soils) can reduce risk by helping to break the exposure pathways. However, while use of these measures should be considered as part of good practice in construction and maintenance, they typically are looked upon as a measure of last resort and need to be used in combination with other measures. Neither are such measures appropriate for future site users (residents).

A robust minimisation of the risk can be achieved by either removing or modifying the source of the hazard, or managing the exposure pathways. Removal of the source by careful selective excavation of affected soils and subsequent off-site disposal to an appropriately licensed facility is capable of reducing/eliminating the risk to human health receptors. This would only be required for soft landscaping areas, as hard cover such as buildings, access roads, parking areas etc. will break the exposure pathways. Within soft landscaping areas, the exposure pathways can be modified or broken by placement of clean material and/or impermeable cover over the affected soil. Depending on the stage of construction at which such work was undertaken, such measures could mitigate risks to site workers as well as future site users.

Imported soils would only be needed for areas of the site proposed as soft landscaping.

Off-site disposal of contaminated soils and importation of clean materials place additional demands on aggregate resources and waste disposal capacity, and both require significant road haulage. Use of these remediation methods therefore requires that the quantities involved be minimised to ensure the approach remains sustainable in respect of resources, energy and traffic impacts.

An approach combining targeted source removal and replacement with clean material, confined to proposed soft landscaping areas in the affected location, with carefully considered safe working methods for construction, is considered most likely to be effective and sustainable in respect of the known contamination.

## 9.2 Unknown Contamination

Some areas of the site have not been fully assessed. These include, in particular, areas that may be affected by potential petroleum hydrocarbon or PCB contamination, and also the area of the site beneath the footprint of the existing buildings. It is not possible to assess options for managing any associated contamination at this stage. However, given the low permeability of the Grinstead Clay bedrock underlying the site, it is considered likely that any mobile phase contamination will be fairly localised, and dealt with by targeted excavation. The proposed assessment of these areas is discussed in part D of this report.

## 9.3 Gardens and Other Soft Landscape Areas

Whilst the investigation has not found significant contamination of the superficial soils across the site, these materials generally comprise made ground, which typically consists of a blacktop surfacing over a granular subbase of mixed composition; predominantly brick, brick and concrete, or crushed limestone. As such, these materials are not a suitable growing medium. Accordingly, these materials will have to be removed from proposed gardens and soft landscaping areas and replaced with an appropriate thickness of suitable soils, if a natural planting environment is to be provided. The alternative would be to provide permanent hard cover.

The existing topsoil in the south western part of the site, and the Grinstead Clay bedrock that has been found to underlie the site have been found to be free from significant contamination. Space on the site is limited, but stripping and storage of the topsoil prior to demolition, and careful segregation and management of arisings from groundworks would maximise retention of clean soils on the site, for re-use.

## 10 Remediation Strategy

The Remediation Strategy, based on the known site conditions as described in this report, will comprise the following:

| Location                                                              | Details                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Area A (see figure 1, Appendix B) – Soft landscaping abutting Block 2 | Excavation and removal of lead and PAH impacted soils, and replacement with suitable clean soils.                                                                                                                                                                                                                                                                                                                    |
| Private garden areas                                                  | Excavation and removal of up to 600mm of Made Ground. Where the Made Ground is thinner, only the Made Ground will be removed; this is anticipated to be the case across much of the site.<br>Placement of up to 600mm of clean soil, depending on finished levels, including a minimum of 100mm topsoil.                                                                                                             |
| Soft landscaping areas                                                | Excavation and removal of Made Ground. For grassed areas or areas where planting of small or shallow rooted species is planned, a lesser thickness of soil may be sufficient, in which case 450mm of the Made Ground will be removed.<br>Where the Made Ground is thinner, only the Made Ground will be removed.<br>Replacement with clean soil, depending on finished levels, including a minimum of 100mm topsoil. |
| Houses                                                                | No special precautions required at this stage – to be reviewed following further investigation.                                                                                                                                                                                                                                                                                                                      |
| Buried Services                                                       | No special precautions required at this stage – to be reviewed following further investigation, and subject to local water company requirements.                                                                                                                                                                                                                                                                     |

## 11 Assessment Criteria

The following assessment criteria values will be used in the verification process.

It may be necessary to import some soil, particularly topsoil, to complete garden and soft landscaped areas. Imported soils shall be free from deleterious materials, weeds and contamination. Imported topsoil to be used will be tested in accordance with the appropriate BS Specifications for Topsoil (BS 3882:2015) and the analysis shall also comply with the values given for the relevant land use in the table in Appendix C. Any other soils to be imported shall comply with the values given in the table in Appendix C and shall also be free from deleterious materials and weeds. The values in the table are valid at the time of writing but may be subject to change and any such changes will have implications for the assessments based on them. Their validity should be confirmed at the time of site development.

Certificates for imported soils must include details of the source, description of the material, and dates of sampling and analysis, as well as the test results for potential contaminants. The date of sampling and analysis must relate to the material imported. Associated consignment notes must clearly identify the source material, and must correspond to the certified material.

## D FURTHER INVESTIGATION & DISCOVERY STRATEGY

### 12 Further Investigation

As noted above, the intrusive investigation was subject to various constraints, and some areas with potential contamination risk could not be accessed, and have not been fully investigated. The constraints remain, and access to the areas in question can only be achieved once site clearance and demolition have commenced. Accordingly, it is proposed that the further investigation work be undertaken as demolition proceeds. The various areas are tabulated below, together with the investigation and assessment proposals. The areas are shown on figure 2 in Appendix B.

| Area | Description                                                                                                  | Proposed investigation                                                                                                                                                                                                                                             |
|------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B    | Densely vegetated area along the northern part of the eastern site boundary                                  | Shallow excavations to assess soils present, including possible topsoil. Testing of, say, three samples of topsoil (if present), and underlying soils for general contamination, as in the original investigation.                                                 |
| C    | Former substation enclosure (brick)                                                                          | Shallow excavations to sample soils from beneath the enclosure for analysis for PCBs. If the base of the enclosure has a solid concrete slab, then samples will be taken from around the margins of the slab, where any PCB containing fluids might have run off.  |
| D    | Substation enclosure (fibreglass)                                                                            | Shallow excavations to sample soils from beneath the enclosure for analysis for PCBs. If there is a solid concrete slab beneath the enclosure, then samples will be taken from around the margins of the slab, where any PCB containing fluids might have run off. |
| E    | Below-ground fuel storage tank. The condition of the tank is not known but it may have been concrete filled. | Inspection and sampling of soils from the sides and base of the tank excavation, for analysis for petroleum hydrocarbons (speciated).                                                                                                                              |
| F    | Below-ground duct work, and generator locations associated with area E fuel tank.                            | Inspection and sampling of the soils from around the ducts and below the generator sites, for analysis for petroleum hydrocarbons (speciated)                                                                                                                      |
| G    | Location of former above-ground fuel tank, associated with containerised generator.                          | Shallow excavations and sampling of the shallow soils in the area of the former location of the tank, for analysis for petroleum hydrocarbons (speciated)                                                                                                          |
| H    | Historical well location, as indicated on the historical mapping. Precise location is not known              | Excavation of shallow trenches across the area to identify the location, if possible, and any remedial requirements.                                                                                                                                               |

A detailed remediation strategy and verification plan will be prepared, once the results of the additional investigation are known. In accordance with Condition 8 part c) of the approved planning, this must be agreed with the regulatory authorities. The findings of the investigation may also form part of the Verification Report.

### 13 Discovery Strategy

As with any site, areas of contamination not identified during site investigation works may come to light in the course of redevelopment. Accordingly, and in addition to the investigation works described above, a discovery strategy will be adopted site-wide to ensure that any hitherto unknown contamination is identified and dealt with in an appropriate manner, as follows:

- A close watch will be maintained during all demolition and excavation works.
- In the event that unexpected or malodorous soils or liquids are encountered, excavation work shall cease in the affected area.
- The affected area shall be made safe and fenced off to prevent unauthorised access.
- The Site Manager shall notify Southern Testing Laboratories Limited of the discovery, who will attend site to inspect the suspect materials, provide advice and take samples as necessary. Contact details to be provided.
- The Site Manager shall notify Mid Sussex District Council of the discovery. Within MSDC, the Environmental Protection Team shall be the first point of contact.

Any suspect excavated soil will be stockpiled separately on polythene sheeting, covered, and tested to determine either its suitability for retention on site or classification for disposal.

## 14 General Guidance

Allowance should be made for experienced verification of any remedial works.

It may be that specific local requirements apply to this site, of which we are not aware at this time.

In general terms, the workforce and general public should be protected from contact with contaminated material. There is a range of relevant documents published by the Health and Safety Executive, and organisations such as CIRIA, and the BRE.

## REFERENCES

- [1] Environment Agency, "Updated technical background to the CLEA model," 2009.
- [2] Contaminated Land: Applications in Real Environments (CL:AIRE), "Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination," 2014.
- [3] CIRIA, "C665 Assessing risks posed by hazardous ground gases to buildings," 2007.
- [4] BSI Standards, "BS 5930 Code of practice for ground investigations," 2015.
- [5] BSI Standards, "BS10175 Investigation of potentially contaminated sites – Code of practice," 2013.



**APPENDIX A**

**Site Investigation Report**





**Phase 1 Desk Study &  
Phase 2 Site  
Investigation & Risk  
Assessment Report**

**Project Name:** Wealden House

**Location:** Lewes Road, East Grinstead, West Sussex RH19 3TB

**Client:** Octagon Developments Ltd.

**Project ID:** J15778

**Report Date:** 14 October 2024

**Report Issue:** 2



## SUMMARY

The site is located just to the south of the A22 Lewes Road, northwest of the village of Ashurst Wood, about 2.8 km southeast of East Grinstead Railway Station. The development site comprises the former EDF Energy office block and surround hardstanding / landscaped areas, as well as the adjoining property to the north / north west and garden areas to the rear (south west). It is understood that the site boundary encompasses areas of woodland to the south that extend downslope into the valley, although these areas are not covered by this ground investigation report.

It is understood that it is proposed to construct 35 No. two-storey houses with private gardens, and 2 No three-storey blocks of apartments, with areas of soft landscaping, access and parking.

A previous desk study has been carried out and indicates that the site has a history of residential and commercial use. Large areas of the site are covered by existing buildings and there is significant vegetation across other areas.

The agreed scope of work did not allow for either a preliminary or detailed UXO risk assessment, however, it is advised that the risk is considered further prior to demolition or intrusive groundworks activities commencing.

The British Geological Survey Map indicates that the site geology consists of Ardingly Sandstone Member over Lower Tunbridge Wells Sand over Wadhurst Clay Formation. The Grinstead Clay Member is mapped overlying the Ardingly Sandstone Member over the far northern corner of the site.

However, the site has been subject to two previous phases of intrusive investigation by Southern Testing in 2018 and 2021. The soils encountered were not as anticipated based on the mapped geology. The Grinstead Clay Member which overlies the Ardingly Sandstone Formation appears to be more extensive and provides a covering of firm to stiff Clays, which tend to Mudstones with depth across the site. These soils are underlain by very weak to medium strong Sandstone, which could be the Ardingly Sandstone Formation, over poorly cemented Sandstone and Sands, which may be the Lower Tunbridge Wells Sand Formation.

A single phase of intrusive investigation was carried out. Exploratory hole locations were positioned to provide general site coverage, although it is noted that the spread of locations was partly restricted by existing site buildings, features, vegetation, utilities and drainage. Additional investigation will be required during or following demolition once access to the entire site is available.

The soils encountered comprised superficial Made Ground overlying soft to firm, tending stiff to very stiff Clay, silty Clay and clayey Silt. Thin or thick laminations of fine Sandstone or Siltstone were commonly encountered. The soils were seen to be iron stained in parts. Mudstone was encountered towards the base of some boreholes across the northern part of the site.

Groundwater was not encountered and is assumed to be at some depth below the site.

Conventional foundations and piled foundations would both be appropriate for this site. Given the previous use, there are areas where soils will be significantly disturbed during demolition and the removal of existing foundations/structures. An allowable bearing capacity of 110 kN/m<sup>2</sup> is recommended for conventional foundations within the firm the stiff clays. A number of areas will require foundation deepening due to the presence of weaker soils and trees/vegetation. NHBC High Volume Change Potential precautions will apply.

The sulphate content of the fill and shallow natural soil was found to fall within Class DS-1. The ACEC classification for the site is AC-1.

Suspended floor slabs are advised.

Detailed information on the proposed development, such as detailed final layout, loadings and serviceability limits was not provided. Accordingly, where geotechnical design advice is provided it is on the prescriptive basis allowed for by Eurocode 7: employing conventional and conservative design rules.

The existing topsoil on site is considered suitable for reuse in private garden and soft landscaped areas.

There is evidence of a hotspot of Lead and more general PAH contamination within the Made Ground, which in addition, given its physical composition, should be removed from all private garden and soft landscaped areas, down to the underlying natural soils. The made ground soils are suitable to remain on site beneath proposed building and hardstanding areas (roads, car parking etc).

An allowance should be made for the further investigation, and potentially local excavation and removal of petroleum hydrocarbon affected soils, around former tanks, generators and related infrastructure. These works will need to be validated at that stage.

Further investigation is also required beneath the substations for any PCB contamination, once these features have been decommissioned and access is available.

Organic contaminants present in some of the soils, particularly PAH's and petroleum hydrocarbons, could affect plastic underground service pipes (such as the types used by water and gas supply companies). Guidance should be sought from the relevant companies regarding any proposed plant in the affected area. Many water supply companies now require higher specification pipe on contaminated sites, even following remediation.

An historical well was mapped on site. This location should be the subject of investigation and/or formal decommissioning.

The contamination screening values used are valid at the time of writing but may be subject to change and any such changes will have implications for the assessments based on them. Their validity should be confirmed at the time of site development.

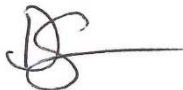
As with any site, areas of contamination not identified during investigation works may come to light during the course of redevelopment. Accordingly, a discovery strategy must be in place during the redevelopment to ensure that any hitherto unknown contamination is identified and dealt with in an appropriate manner. Depending on the nature of any such contamination, it may prove necessary to reassess the remedial strategy for the site. The presence of contamination may affect the classification of waste soils, or the potential for their re-use.

A formal remediation strategy and verification plan should be agreed with the regulatory authorities prior to commencement of any remedial works.

The investigation was conducted and this report has been prepared for the sole internal use and reliance of Octagon Developments Ltd. and their appointed Engineers. This report shall not be relied upon or transferred to any other parties without the express written authorisation of Southern Testing Laboratories Ltd. If an unauthorised third party comes into possession of this report they rely on it at their peril and the authors owe them no duty of care and skill.

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For and on behalf of Southern Testing Laboratories Limited

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## TABLE OF CONTENTS

|          |                                                                    |           |
|----------|--------------------------------------------------------------------|-----------|
| <b>A</b> | <b>INTRODUCTION</b>                                                | <b>1</b>  |
| 1        | Authority                                                          | 1         |
| 2        | Location                                                           | 1         |
| 3        | Proposed Construction                                              | 1         |
| 4        | Object                                                             | 1         |
| 5        | Scope                                                              | 1         |
| <b>B</b> | <b>DESK STUDY AND WALKOVER SURVEY</b>                              | <b>2</b>  |
| 6        | Desk Study                                                         | 2         |
| 7        | Site Walkover Survey (July 2024)                                   | 11        |
| <b>C</b> | <b>PRELIMINARY SITE MODELS</b>                                     | <b>13</b> |
| 8        | Conceptual Engineering Geological Ground Model                     | 13        |
| 9        | Conceptual Site Model                                              | 14        |
| <b>D</b> | <b>GROUND INVESTIGATION</b>                                        | <b>17</b> |
| 10       | Strategy and Method                                                | 17        |
| 11       | Weather Conditions                                                 | 17        |
| 12       | Soils as Found                                                     | 17        |
| 13       | Groundwater Observations                                           | 18        |
| <b>E</b> | <b>DISCUSSION OF GEOTECHNICAL TEST RESULTS AND RECOMMENDATIONS</b> | <b>19</b> |
| 14       | Geotechnical Laboratory Tests                                      | 19        |
| 15       | Soil Classification and Properties                                 | 19        |
| 16       | Ardingly Sandstone Member                                          | 20        |
| 17       | Groundwater Levels                                                 | 21        |
| 18       | Swelling and Shrinkage                                             | 21        |
| 19       | Lateral Pressure & Heave                                           | 22        |
| 20       | Soakaways                                                          | 22        |
| 21       | Sulphates and Acidity                                              | 23        |
| 22       | Foundations and Bearing Capacity                                   | 23        |
| 23       | Piling                                                             | 24        |
| 24       | Floor Slabs                                                        | 24        |
| 25       | Settlement                                                         | 24        |
| 26       | Excavations and Dewatering                                         | 24        |
| 27       | Filling                                                            | 24        |
| 28       | Slope Stability                                                    | 24        |
| 29       | Pavement Construction                                              | 25        |

|          |                                                                        |           |
|----------|------------------------------------------------------------------------|-----------|
| <b>F</b> | <b>DISCUSSION OF GEOENVIRONMENTAL TEST RESULTS AND RECOMMENDATIONS</b> | <b>25</b> |
| 30       | Analytical Framework                                                   | 25        |
| 31       | Site Investigation – Soils                                             | 26        |
| 32       | Site Investigation – Waters                                            | 30        |
| 33       | Site Investigation - Gas                                               | 30        |
| 34       | Summary of Identified Contamination                                    | 30        |
| 35       | Risk Evaluation                                                        | 30        |
| 36       | Soil Waste Management                                                  | 33        |
| 37       | Discussion and Conclusions                                             | 33        |
| 38       | General Guidance                                                       | 34        |

## TABLE OF APPENDICES

### APPENDIX A

Site Plans and Exploratory Hole Logs

### APPENDIX B

Field Sampling and In-Situ Test Methods and Results

### APPENDIX C

Geotechnical Laboratory Test Methods and Results

### APPENDIX D

Geotechnical Figures and Tables

### APPENDIX E

Contamination Laboratory Test Methods and Results

### APPENDIX F

Photographs

### APPENDIX G

Phase 1 Desk Study – Historical Mapping

### APPENDIX H

Phase 1 Desk Study – Environmental Database Search Results and Mapping

### APPENDIX I

Classification of Consequence

## A INTRODUCTION

### 1 Authority

Our authority for carrying out this work is contained in a copy of our completed Project Order Form, which was signed and returned by Lewis Jones, on behalf of Octagon Developments Ltd. This is on the basis of our proposal and cost estimate (Ref Q240903-2) dated 11<sup>th</sup> July 2024.

### 2 Location

The site is located just to the south of the A22 Lewes Road, northwest of the village of Ashurst Wood, about 2.8 km southeast of East Grinstead Railway Station.

The development site comprises the former EDF Energy office block and surround hardstanding / landscaped areas, as well as the adjoining property to the north / north west and garden areas to the rear (south west).

It is understood that the site boundary encompasses areas of woodland to the south that extend downslope into the valley, although this area is not covered by this ground investigation report.

The approximate National Grid Reference of the centre of the site is TQ 41219 36921. The site location is indicated on Figure 1 within Appendix A.

### 3 Proposed Construction

It is understood that it is proposed to construct 35 No. two-storey houses with private gardens, and 2 No three-storey blocks of apartments, with areas of soft landscaping, access and parking.

A proposed layout plan has been provided and is included within Appendix A as drawing Dng. 2053\_005 B

For the purposes of the contamination risk assessment, the proposed development land use is classified as Residential with consumption of Home-grown Produce CLEA Model Ref [1] / C4SL Report Ref [2].

The gas sensitivity of the proposed development is rated as High CIRIA C665 Ref [3].

### 4 Object

The site was the subject of previous Phase 1 and Phase 2 investigations completed by Southern Testing for Ashgrove Homes Ltd. in April 2018 and September 2021. Due to contractual arrangements it is understood that this earlier information cannot be provided to Octagon Developments Ltd. and hence a new investigation has been completed.

This is a Phase 1 Desk Study and Walkover and Phase 2 geotechnical and contamination (risk estimation and evaluation) investigation (Tier 1).

The object of the ground investigation was to assess foundation bearing conditions and other soil parameters relevant to the proposed development, and to assess the likely nature and extent of soil, groundwater and soil gas contamination on the site.

### 5 Scope

This report presents our desk study findings, exploratory hole logs and test results and our interpretation of these data.

A UXO risk assessment was not requested within our brief for the investigation.

As with any site there may be differences in soil conditions between exploratory hole positions.

This report is not an engineering design and the figures and calculations contained in the report should be used by the Engineer, taking note that variations will apply, according to variations in design loading, in techniques used, and in site conditions. Our figures therefore should not supersede the Engineer's design.

The site investigation has been completed with reference to BS 5930 Ref [4] and BS 10175 Ref [5].

Waste Classification of soils has not been included within the brief for the investigation.

The findings and opinions conveyed via this investigation report are based on information obtained from a variety of sources as detailed within this report, and which Southern Testing Laboratories Ltd. believes are reliable. Nevertheless, Southern Testing Laboratories Ltd. cannot and does not guarantee the authenticity or reliability of the information it has obtained from others.

The investigation was conducted and this report has been prepared for the sole internal use and reliance of Octagon Developments Ltd. and their appointed Engineers. This report shall not be relied upon or transferred to any other parties without the express written authorisation of Southern Testing Laboratories Ltd. If an unauthorised third party comes into possession of this report they rely on it at their peril and the authors owe them no duty of care and skill.

The recommendations contained in this report are made in respect of the particular context of the investigation as described in the report and may not be appropriate to alternative development schemes. This report should be considered in its entirety and Southern Testing Laboratories Ltd accepts no responsibility for and excludes liability in respect of any omission or alteration made by others, and any use of the report for any purpose other than that for which it was produced.

Detailed information on the proposed development, such as detailed final layout, loadings and serviceability limits was not provided. Accordingly, where geotechnical design advice is provided it is on the prescriptive basis allowed for by Eurocode 7: employing conventional and conservative design rules.

The contamination screening values used are valid at the time of writing but may be subject to change and any such changes will have implications for the assessments based on them. Their validity should be confirmed at the time of site development.

## **B DESK STUDY AND WALKOVER SURVEY**

### **6 Desk Study**

A Phase 1 Desk Study has been carried out. Reference has been made to the following information sources.

- Online Geological Maps Ref [6] & Ref [7]
- Aerial Photographs
- Historical Ordnance Survey Maps
- Environmental Databases
- BGS Online Historical Borehole Records Ref [8]
- Search on Local Authority Planning Portal for planning history
- Gov.UK Website Flood Risk Ref [9]
- UK Radon Ref [10] and BRE Radon Ref [11]

The environmental databases search report compiled for this desk study contains site-specific environmental data drawn from data sets that comprise publicly available information together with data from third parties, some of which is under review. Accordingly, Southern Testing Laboratories Limited does not warrant its accuracy, reliability or completeness.

The full report is included in Appendix G and H, a summary of the salient features is included in the following sections of this report.

#### **6.1 Geology**

The British Geological Survey (BGS) Map No. 303 (Tunbridge Wells) indicates that the site geology consists of Ardingly Sandstone Member over Lower Tunbridge Wells Sand over Wadhurst Clay Formation. The Grinstead Clay Member is mapped overlying the Ardingly Sandstone Member over the far northern corner of the site.

An extract from the BGS 1:10,560 geological map dating from 1966 is also presented within Appendix D as Figure G1. This identified 'craggs of massive sandstone' outcropping on the slopes to the south and southwest of the site within an area identified as 'Blunds Hole'. These are presumably associated with the Ardingly Sandstone Member.



### 6.1.1 Grinstead Clay Member

The Grinstead Clay Member comprises grey to greenish grey mudstones, commonly very silty with subordinate thin beds of siltstone, nodular clay ironstone and shelly limestone. Rootlet horizons and plant-rich beds can be common.

Over part of its outcrop the member is divided by a bed of calcareous sandstone, the Cuckfield Stone Bed, into the informally named lower and upper Grinstead Clay. In places, the Cuckfield Stone Bed cuts out the lower Grinstead Clay entirely and rests directly on the underlying Ardingly Sandstone Member.

### 6.1.2 Ardingly Sandstone Member

The Ardingly Sandstone Member comprises the highest unit of the Lower Tunbridge Wells Sand Formation. The Ardingly Sandstone is typically a fine to medium grained massive cross-bedded sandstone. This sandstone is harder than most of the other Wealden strata and has formed numerous bluffs and crags in and around Tunbridge Wells, Uckfield, Ardingly and East Grinstead.

An important feature of the sandstone is that it is subject to "cambering". On and near steep hill slopes cracks and fissures have been formed because of movement in the underlying Wadhurst Clay. These are usually in two directions, parallel to, and at right angles to, the line of the escarpment, and range from a few mm wide, to a metre wide, or more. The fissures are often infilled with silt but are occasionally open (voids), and they can present significant difficulties to development on affected sites

### 6.1.3 Lower Tunbridge Wells Sand Formation

This formation can be divided into two members over much of its area. The lower member consists of interbedded silts and fine silty sandstones that were laid down at the outermost part of the Tunbridge Wells Sand delta, as it encroached on the Wealden Lake.

The upper member consists of a massive cross-bedded fine and medium grained sandstone called the Ardingly Sandstone. This sandstone is harder than most of the other Wealden strata and has formed numerous bluffs and crags in and around Tunbridge Wells, Uckfield, Ardingly and East Grinstead. It gives rise to most of the many short sharp steep hills in the area.

An important feature of the sandstone is that it is subject to "cambering". On and near steep hill slopes cracks and fissures have been formed because of movement in the underlying Wadhurst Clay. These are usually in two directions, parallel to, and at right angles to, the line of the escarpment, and range from a few mm wide, to a metre wide, or more. The fissures are often infilled with silt but are occasionally open (voids). There have been instances of the fissures opening up after soakaways have been installed.

### 6.1.4 Wadhurst Clay Formation

The Wadhurst Clay Formation comprises dark grey thinly-bedded shales and mudstones with subordinate beds of pale grey siltstone, fine grained sandstone, shelly limestone, clay ironstone and rare pebble beds. At the top of the sequence a red hematite stained stiff clay is present. These mudstones weather to stiff brown clays.

Wadhurst Clay is often found to line the valley bottoms in Tunbridge Wells Sand areas and may be distorted by valley bulging. Spring lines are commonly found at the junction between the two formations and land instability can be a concern.

## 6.2 Historical Borehole/Well Records

A search of previous exploratory hole records both from the online British Geological Survey (BGS) database [8] and Southern Testing in-house records, revealed three BGS records approximately 470m to the north east of the site and three STL records within the near vicinity of this site. Copies of some of these are included in Appendix D. Further discussion is given below.

| BH Reference | Approximate Final Depth (mbgl) | Approximate Distance from site (m) & Direction | Remarks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------|--------------------------------|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TQ43NW9      |                                | 430m NE                                        | <p>Historic well record for Ivydene Laundry in Ashurstwood dated February 1967. This is mapped as Lower Tunbridge Wells Sand Formation.</p> <p>The well log indicates Made Ground and Clay to a depth of 12ft (3.6m).</p> <p>This is underlain by Sandstone and Sand (part of the Lower Tunbridge Wells Sand Formation) to a depth of 19ft (5.79m)</p> <p>The underlying Wadhurst Clay Formation was then encountered to a depth of 82ft (24.99m). This is recorded as comprising blue Clay and sandy Clay.</p> <p>Sand and Sandstone horizons (Sand and Sandstone within the Wadhurst Clay Formation) is recorded between a depth of 82 - 100ft (24.99 - 30.48m). Fine brown 'blowing sand' is noted.</p> <p>A rest water level of 25ft (7.62mbgl) is indicated.</p> |
| TQ43NW10     | 32.91                          | 430m NE                                        | <p>This records also related to a well at Ivydene Laundry in Ashurstwood dating from December 1942. This is mapped as Lower Tunbridge Wells Sand Formation.</p> <p>The well log indicates horizons of Clay over Sand and Sandstone to a depth of 62ft (18.89mbgl), part of the Lower Tunbridge Wells Sand Formation.</p> <p>The underlying Wadhurst Clay Formation was encountered to a depth of 108ft (32.91mbgl) and comprised horizons of Clay and Sandstone.</p> <p>A rest water level of 49ft (14.93mbgl) is indicated.</p>                                                                                                                                                                                                                                      |
| TQ43NW11     | 30.48                          | 430m NE                                        | <p>This records also related to a well at Ivydene Laundry in Ashurstwood dating from November 1952. This is mapped as Lower Tunbridge Wells Sand Formation.</p> <p>The well log indicates interbedded Sand and Sandstone to a depth of 100ft (30.48mbgl), part of the Lower Tunbridge Wells Sand Formation. Clay is indicated below this depth - presumably the Wadhurst Clay Formation?</p> <p>A rest water level of 32ft (9.75mbgl) is indicated.</p>                                                                                                                                                                                                                                                                                                               |
| STL J3636    | 0.9/1.0                        | 90m N                                          | <p>The site off Windmill Land in Ashurstwood is mapped on the Grinstead Clay Member and the investigation was concerned with swelling and shrinkage associated cracking to an existing property.</p> <p>The soils encountered generally comprised blue grey and orange brown silty CLAY to a depth of 0.9 /1.0mbgl. No groundwater data was provided.</p>                                                                                                                                                                                                                                                                                                                                                                                                             |
| STL J3422    | 6.0                            | 90m N                                          | <p>The site off Windmill Land in Ashurstwood is mapped on the Grinstead Clay Member and the investigation was concerned with swelling and shrinkage associated cracking to an existing property.</p> <p>The soils encountered comprised a succession of firm becoming stiff, grey and grey brown, plastic CLAY with interbedded with friable shaley Siltstone and Sandstone.</p>                                                                                                                                                                                                                                                                                                                                                                                      |
| STL J13397   | 2.60/5.45                      | On site                                        | <p>Previous investigation completed by Southern Testing across the eastern part of the site (former EDF site) for Ashgrove Homes Ltd. in April 2018.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

| BH Reference | Approximate Final Depth (mbgl) | Approximate Distance from site (m) & Direction | Remarks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------|--------------------------------|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|              |                                |                                                | <p>The boreholes encountered a variable covering of MADE GROUND to a depth of 0.38/0.9mbgl. This was underlain by firm to stiff, becoming very stiff, fissured, yellow brown, orange brown, silty, plastic CLAY to 1.2/3.2mbgl, over stiff to very stiff fissured yellow brown, orange brown, brown and grey brown CLAY with occasional interbedded, extremely weak, thinly laminated, Mudstone, Siltstone and Sandstone, to depths of 2.6+/5.45m+.</p> <p>Seepages were noted within the exploratory holes.</p>                                                                |
| STL J14847   | 2.5/20                         | On site                                        | <p>A second phase of investigation was completed by Southern Testing on the subject site for Ashgrove Homes Ltd. in April 2018 to provide complete coverage of the EDF site and adjoining site area to the north / north west.</p> <p>The boreholes encountered superficial MADE GROUND to 0.20/1.2mbgl, overlying firm to stiff CLAY, which tended to MUDSTONE with depth at around 2.5/6.3mbgl, overlying very weak to medium strong SANDSTONE and poorly cemented SANDSTONE and SAND to depths of 2.5+/20+mbgl.</p> <p>Seepages were noted within the exploratory holes.</p> |

Other BGS records are located approximately 410m southeast within the Lower Tunbridge Wells Sand Formation (Mudstone) and approximately 845m to the southwest of the site. The first record is not available for viewing. The second record is within the Wadhurst Clay, and so has not been considered based on the differing geological setting and topography.

As discussed within Section 6.6 of this report, the review of historic OS mapping dating from 1899 has identified a well on the central north western part of the site. No records for this structure have been located to date.

### 6.3 Geological Hazards and Mining Activities

Data from various sources relating to potential geological hazards at the site are summarized below. The Hazard Potentials listed for the BGS data are as presented in the Envirocheck report, derived from various generic BGS sources, **which are not considered as site-specific**. It is important that this information is considered in context of the actual site topography, ground conditions encountered during future investigation, and development proposals.

| Data Source | Hazard                                             | Hazard Potential to Site | Remarks                                                                                                                                                                                                                                                                                                      |
|-------------|----------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BGS         | Potential for Collapsible Ground Stability Hazard  | Very Low                 | As discussed within Section 6.2 above, historic ground investigations have shown that the soils across the site vary from those mapped by the BGS. Hence, this information should be treated with caution and must be considered in context of the actual site topography and ground conditions encountered. |
|             | Potential for Compressible Ground Stability Hazard | No Hazard                |                                                                                                                                                                                                                                                                                                              |
|             | Potential for Ground Dissolution Stability Hazard  | No Hazard                |                                                                                                                                                                                                                                                                                                              |
|             | Potential for Landslide Ground Stability Hazard    | Low                      |                                                                                                                                                                                                                                                                                                              |
|             | Potential for Running Sand Ground Stability Hazard | Very Low                 |                                                                                                                                                                                                                                                                                                              |

| Data Source                         | Hazard                                                           | Hazard Potential to Site | Remarks                                                                                                                                                                                                                                            |
|-------------------------------------|------------------------------------------------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                     | Potential for Swelling or Shrinkage Clay Ground Stability Hazard | Very low                 |                                                                                                                                                                                                                                                    |
|                                     | Shallow Mining Hazard                                            | Very low Risk            | Given the mapped geology, small localised working of the Lower Tunbridge Wells Formation should be anticipated. BGS recorded mineral sites record one site within 250m of the site, an opencast working, operations are recorded as having ceased. |
|                                     | BGS recorded mineral site                                        | No Hazard                | The closest record is for Luxford's Wood, 153m to the west of the site and was for the opencast mining of sandstone.                                                                                                                               |
| ARUP [Ref [12] ]                    | Mining Instability                                               | No Hazard                | No records within 250m of the site.                                                                                                                                                                                                                |
| CSS [Ref [13] ]<br>KURG [Ref [14] ] | Underground Openings                                             | No Hazard                | No records within 250m of the site.                                                                                                                                                                                                                |
| PBA                                 | Natural & Mining Cavities                                        | No Hazard                | The closest record to the site is 892m to the southeast – gulls/fissures due to cambering                                                                                                                                                          |

## 6.4 Radon Risk

With reference to the Envirocheck report, UK Radon Ref [10] and BRE Radon Ref [11] guidance: no radon protection is required on this site.

## 6.5 Hydrology and Hydrogeology

Data from the Environment Agency and other information relating to controlled waters is summarised below.

| Data                      |                      | Remarks                                                                                                              | Possible Hazard to/from Site (Y/ N) |
|---------------------------|----------------------|----------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| Aquifer Designation       | Superficial Deposits | None mapped on site.                                                                                                 | N                                   |
|                           | Bedrock              | Ardingly Sandstone/Lower Tunbridge Wells Sand Formation: Secondary Aquifer – A<br>Wadhurst Clay: Unproductive Strata | Y<br>N                              |
| Groundwater Vulnerability |                      | High Vulnerability – Secondary A Aquifer in the Ardingly Sandstone/Lower Tunbridge Wells Sand Formation              | Y                                   |
| Abstractions              | Surface Water        | None listed within the Envirocheck report within 500m of site.                                                       | N                                   |
|                           | Groundwater          | None listed within the Envirocheck report within 500m of site.                                                       | N                                   |
| Source Protection Zones   |                      | None listed for the site.                                                                                            | N                                   |
| Surface Watercourses      |                      | An unnamed stream which feeds into the River Medway 165m to the south of the site.                                   | N                                   |
| Groundwater Flood Risk    |                      | Stated as being at limited risk within Envirocheck report                                                            | Y                                   |

| Data                         | Remarks                                                                                                                                                                                | Possible Hazard to/from Site (Y/ N) |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| Surface Water Flood Risk*    | Small areas on the north and south of the site are shown as being at Low to Medium risk.                                                                                               | Y                                   |
| Marine / Fluvial Flood Risk* | The site is not shown within/adjacent to an area mapped as being at risk.                                                                                                              | N                                   |
| Reservoir Flood Risk*        | The site is not shown within/adjacent to an area mapped as being at risk.                                                                                                              | N                                   |
| Discharge Consents           | The closest discharge consent to the site is 63m to the west; for the discharge of final/treated sewage effluent (not water company) from a single domestic property, to land/soakaway | N                                   |

\* These sections are provided for information only, this report does not constitute a formal flood risk assessment and specialist advice should be sought in relation to potential flooding issues.

The site is mapped as being underlain by the Ardingly Sandstone Member over the Lower Tunbridge Wells Sand Formation which are designated as Secondary A aquifers. These soils comprise 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. In terms of groundwater vulnerability, the associated soils are of Intermediate Leaching Potential and can possibly transmit a wide range of pollutants.

The underlying Wadhurst Clay Formation is designated as Unproductive Strata. These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow. Hence, the site is not located within a Source Protection Zone and no abstractions have been identified within a 500m radius.

Given the topography of the site, which falls to the south, south east and south west, the nearest discharge consents are generally located downslope of the site, and are not considered to pose a risk to the subject site.

Based on the elevation of the site and the surrounding topography, groundwater flow is likely to be towards the south. As may be anticipated, spring lines are mapped on the 6 inch geological sheet, outcropping down slope on the interface with the underlying Wadhurst Clay Formation.

## 6.6 Historical Ordnance Survey Maps

Copy extracts of historical Ordnance Survey plans dating from 1874 to 2024 were obtained and are presented in Appendix G. A summary of the salient features is presented below.

The earliest available OS map extracted dated 1874 shows the west side of the site occupied by a single, large, detached house and its associated garden. A well is marked just to the front of the house. The east side of the site comprises undeveloped land. By the 1910 mapping the house on the western part of the site appears to have been redeveloped or enlarged, and is now named Cuttens; whilst the east of the site remains undeveloped. The well is no longer denoted on the mapping.

By 1964/65 the house has been significantly extended on its eastern edge, otherwise the site generally remains unchanged.

The existing EDF energy offices building is present adjoining the house, which is still labelled as Cuttens, on the 1973 map extract. An electricity substation is shown on the north eastern part of the site. By 1979 the building is labelled as Wealden House. The site then appears to remain unchanged up until the present day.

The surrounding area appears to have a similar history of use as the site, with gradual development for residential use (low density, detached houses with gardens) along Lewes Road.

## 6.7 Environmental Databases

| Data Source                                                | Distance (m)           | Direction              | Details                                                                                                                                                                                              | Possible Hazard to Site (Y/N) |
|------------------------------------------------------------|------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| Historical Industrial Land Use (within 250m of the site)   | 0<br>149<br>231        | -<br>W<br>E            | Electricity substation (1979)<br>General quarrying (1899)<br>Leather tanning & dressing (1878)                                                                                                       | Y<br>N<br>N                   |
| Current Industrial Land Use                                | -                      | -                      | None listed within 250m of the site                                                                                                                                                                  | N                             |
| Current and Historical Landfills (within 250m of the site) | 359                    | NE                     | Historic landfill record (refs EAHL19178 & WD27/91).<br>The site is indicated to be located off Ivy Dene Lane.<br>No further information given.                                                      | N                             |
| Potentially Infilled Land (within 250m of the site)        | 149                    | W                      | Unknown filled ground- pit, quarry etc. (1980)                                                                                                                                                       | Y                             |
| Fuel Sites                                                 | -                      | -                      | None listed within 1km of the site.                                                                                                                                                                  | N                             |
| Pollution Incidents                                        | -                      | -                      | None listed within 500m of the site                                                                                                                                                                  | N                             |
| IPPC/LAPPC Authorisations                                  | -                      | -                      | None listed within 1km of the site.                                                                                                                                                                  | N                             |
| Hazardous Substances Consents                              | -                      | -                      | None listed within 1km of the site.                                                                                                                                                                  | N                             |
| Sensitive Land Uses (within 250m of the site)              | 0<br>128<br>154<br>236 | -<br>S<br>W<br>NE<br>W | Blunds Hole – ancient & semi-natural woodland<br>Chance Coppice – ancient & semi-natural woodland<br>Berry Wood – ancient & semi-natural woodland<br>Luxfords Wood – ancient & semi-natural woodland | Y<br>N<br>N<br>N              |

The historical mapping denotes an electricity substation on the northern part of the site. Polychlorinated biphenyls (PCBs) were often used as coolant fluids in cables associated with substation and other electrical installations of this age. Often dissolved in petroleum oils, they are persistent organic pollutants in the environment. Therefore, there is a potential risk to the site from the presence of the substation.

An area of potentially infilled ground has been identified approximately 149m to the west of the site. From the historical mapping a small quarry working or earthworks feature is shown in this location in 1899. By 1910 the area is shown as wooded, and by 1979 it is not defined. The greatest off-site risk from areas of potentially infilled ground is from the generation and migration of ground gases (methane and carbon dioxide). This potential risk is considered further in Section 6.9 below.

The wooded area to the south of the site comprises Blunds Hole, an ancient & semi-natural woodland. Therefore, there are likely to be constraints on the extent of any intrusive investigation works in this area (if required).

## 6.8 Planning Application History

A search of Mid Sussex District Council's planning website<sup>1</sup> listed 29 no. planning applications for the site. These applications comprised thirteen separate applications for alterations to the existing buildings and car parking areas, five applications for the siting of security huts/Portakabins, four applications for siting telecoms masts, four applications for signage and three applications for redevelopment of the site for residential use.

None of the applications listed indicate any potentially contaminative uses having taken place on the site.

<sup>1</sup> [001PEGKTBU000 | Wealden House Lewes Road Ashurst Wood West Sussex RH19 3TB \(midsussex.gov.uk\)](https://www.midsussex.gov.uk/) – accessed 17<sup>th</sup> July 2024



## 6.9 Ground Gas Risk

There is an historic landfill listed 359m to the northeast of the site, on Ivy Dene Lane. However, this area is not considered to pose a risk to the subject site from the migration of ground gases. The 1:10,000 scale 1980 map extract shows a possible small depression to the rear of a workshop/industrial building, likely resulting from the redevelopment of this site between the early 1960s and 1980. This depression does not appear to be shown on the 1999 mapping. Given the size and location of this area, which is relatively inaccessible, it is very unlikely to have been used for the deposition of domestic waste. It is more likely that illegal dumping (possibly from the adjacent industrial site) has occurred. The volume of material deposited would appear to be relatively small, and given it is unlikely to include significant amounts of domestic waste, the potential ground gas generation is considered low.

There are further areas of potentially worked ground (around 200m to the northeast of the site), shown on the historical mapping between 1874–1931. Given the relatively remote location of these features, which are not labelled as workings/pits or quarries, it is considered very unlikely they were backfilled as landfill sites.

There is also an area of potentially infilled ground is present 149m to the west of the site. However, given the small size of this feature, which is shown on the OS mapping as a quarry in 1899, but appears disused by 1910, and is no longer shown by 1979, it is not considered to pose a risk with respect to the generation and migration of ground gases.

Therefore, on the basis of the above, the risk to the site from the potential generation and migration of ground gases is considered negligible.

## 6.10 UXO Risk Management

The possibility of unexploded ordnance (UXO) being encountered on a site falls within the category of a potentially significant risk and should be addressed as a legal duty under the Construction (Design and Management) Regulations by the Client as early as possible in a project.

The CIRIA publication C681 Ref [15] has been developed to provide a consistent framework for the management of potential risks posed by UXO during site investigation and groundwork phases of construction. The process adopts a tiered approach, divided into four distinct stages; Preliminary risk assessment, Detailed risk assessment, Risk mitigation and Implementation.

The agreed scope of work did not allow for either a preliminary or detailed UXO risk assessment, however, it is advised that the risk is considered further prior to demolition or intrusive groundworks activities commencing.

## 6.11 Other Information Sources

As previous noted, the site has been the subject to two phases of intrusive investigation, undertaken by Southern Testing in April 2018 (EDF site) and September 2021 (whole site). The following factual information is provided based on previous site observations, discussions with EDF at that time and the findings of our site works. The reader is referred to the original reports for more detailed information.

### 6.11.1 Drawings Provided by EDF (2018)

The eastern part of the site was historically operated by EDF Energy. During our initial investigations in 2018, they provided a number of drawings highlighting features on site. Copies of these drawings are included within Appendix A and referenced below.

- WEA.539.AB.01 - As-Built Line Drawing
- WEA.REC.ENV.01 - Existing Drainage Plan
- WEA-ALL-TS-IP-R00 – Wealden House HSE Isolation Points Site Plan
- WEA-ALL-TS-UM-R00 – Wealden House HSE Meter Locations Site Plan

The base mapping used for the drawings (WEA-ALL-TS-IP-R00 and WEA-ALL-TS-UM-R00) which are dated 18/05/2010, identify structures across the south eastern corner of the EDF site, which include carports, a generator building, fuel tank and generator.

A radio mast and telecom porta cabin together with a second generator are shown off the southern edge of the main building.

The other two plans (WEA.539.AB.01 and WEA.5393ENV.01) dated June 2010 use different base mapping and show the above structures to the southeast to have been removed and the carpark extended.



### 6.11.2 Site Observations (2018)

Key observations from our walkover survey and discussions with the site operator (EDF) in 2018 are listed below.

- The office block on the eastern part of the site had been operated by EDF as a disaster recovery centre for a period of about 10 years leading up to 2018. It had also provided some administration services. It was now vacant.
- A brief walkover survey of the internal ground floor areas was undertaken. This generally comprised office and canteen space. However, three plant rooms were identified at the southern end of the building. Two contain large Uninterruptible Power Supply (UPS) units, together with Uninterruptible Power Supply (UPS) battery farms. The third plant room area housed compressed air plant.
- A large external generator and above ground fuel tank was located on the south eastern corner of the main building. The generator was housed within a structure and access was not possible. The tank was double skinned and has a capacity of 3400 litres. It was approximately half full at the time of our walk over survey.
- A 35m high communications mast was located just off the south western corner of the building together with a portacabin type building which was understood to house the communications plant and equipment (operated by EE, formerly Orange Personal Communications Ltd). No access was available within the portacabin at the time of our walkover survey.
- A large air conditioning / cooling plant area was located off the southwest corner of the building. This is understood to have serviced the servers / data centre plant and equipment as part of the disaster recovery use. The plant is understood to comprise Turbo ChillTM and Turbo ChillTM Free Cool units manufactured by Airedale Ltd. From literature on their website these are understood to use a low GWP refrigerant, R1234ze which is in a gaseous form, so were thought unlikely to pose a contamination risk to the ground. (Where possible, this should be confirmed with EDF or the manufacturer). The plant area is surrounded by a 5m high timber acoustic fence and set on a concrete floor slab and so access was partly restricted.
- Further air conditioning plant and equipment was noted on the roof of the main building, and to the rear of the building on the grassed area on the western boundary.
- The majority of external areas around the main building comprised tarmac hardstanding used for car parking.
- A number of covers were evident within the south eastern part of the site, and thought to be the duct covers shown on the as 'built plans' discussed in Section 6.11.1 above. Associated structures shown on the drawings were not evident.
- Two sub-stations were noted on the site, to the north east and associated with generator structures to the south east.
- A number of chambers understood to be associated with site soakaways were identified along the southern site boundary (as shown on the drawing WEA.REC.ENV.01 - Existing Drainage Plan).
- A number of trees along the eastern boundary had recently been felled.

### 6.11.3 Contamination Investigation (2018)

The intrusive works undertaken in 2018 found the site to be underlain by up to a depth of up to 0.9m of Made Ground, overlying the natural soils.

On the basis of the limited chemical laboratory analysis undertaken, the Made Ground soils were not considered to be contaminated with respect to the sites proposed residential end use. However, these soils were considered unsuitable to remain in domestic garden or communal landscaped areas due to their physical composition. As such, it was advised that allowance be made for the removal of on average the upper 500-600mm of such soils from garden or landscaped areas, and reinstatement with clean site-won soils on certified clean imported subsoil and topsoil. It was also noted that the investigations carried out were limited, and further investigation and testing was advised, to allow the site to be fully characterised and to allow an appropriate remedial strategy to be developed.

It was recommended that further investigation be undertaken, particularly around the former generator building, generator and tank in the south east corner of the site, as well as within the former substation area (on the northeast of the site).

#### 6.11.4 Site Observations (2021)

The investigations in 2021 provided coverage of the full development site. Key observations from our walkover survey in 2021 are listed below.

- The EDF building on the eastern part of the site was still vacant.
- The EDF building and surrounding area generally remained unchanged. The vegetation appeared to have grown around the edges of the site, some further large trees had been felled along the eastern part of this area.
- The external generator and above ground fuel tank off the southern corner of the main building had been removed. The fuel pipework appeared to have been cut and a very small amount of diesel was noted on the blacktop surfacing (it is unknown whether any significant spillage occurred during the removal operation).
- The communications mast remained.
- The air conditioning / cooling plant area remained.
- The buildings on the western part of the site were occupied by business. Access was therefore restricted to external areas only. These comprised landscaped garden areas to the rear (south west) with gravel and tarmac parking areas at the front (north east).

#### 6.11.5 Contamination Investigation (2021)

Further chemical laboratory analysis of samples from across the whole was undertaken. The underlying natural soils and topsoil was generally found to be uncontaminated. No asbestos containing materials were visually identified in the soils during the intrusive site investigation works, and none were observed in the exploratory holes.

Some areas of Made Ground (mainly beneath current hardstanding) had shown elevated levels of some contaminants (PAHs), which would not be suitable for reuse on site within soft landscaping areas, but could remain beneath structures.

Some elevated levels of petroleum hydrocarbons were identified, along with the presence of an underground structure (assumed to be a concrete filled tank associated with structures shown on drawings WEA-ALL-TS-IP-R00 and WEA-ALL-TS-UM-R00) within the south eastern part of the EDF. It was noted that further assessment and remediation of this area would be required during site clearance/demolition.

As noted above, although the above ground tank located off the southern corner of the EDF building had been removed, it was recommended that further assessment and possible remediation of this area would be required during site clearance/demolition as some evidence of a spillage was noted on the surface.

Further investigation was also recommended around the substations for any PCB contamination, when there was improved access during site clearance / demolition.

It was also recommended that further investigation in the location of the historical well, located towards the northwest side of the site, should be undertaken, and if found this feature should be subject to formal decommissioning.

### 7 Site Walkover Survey (July 2024)

#### 7.1 General Site Description and Boundaries

The western part of the site comprises a roughly rectangular plot of land around 30m x 140m. The northern half of which comprises car parking areas and an access road to this and the adjacent properties, both to the north and south (south-eastern part of this overall site). The central part of the site is occupied by a two-storey building (Wealden House), and the southern part is a garden area predominately laid to lawn.

The eastern part of the site is occupied by the vacant EDF Energy offices and associated car park. Access to the EDF Energy site is via a shared access with Wealden House, off the A22. This leads round the north side of the EDF Energy offices, into a car park on the southeast of the site.

To the north of the site is the A22 Lewes Road, marked by a boundary of shrubs/trees. The western boundary is fenced or brick walled with residential flats beyond. To the south is an old metal fence line with an area of steeply sloping woodland beyond. The eastern boundary is marked by heavily vegetated woodland.

## 7.2 Topography and Drainage

Ground levels across the northern part of the site are fairly flat and level, with a slight cross fall to the south / south east. Levels generally vary between approximately 138 and 139mAOD. Across the southern part of the site ground levels fall away rapidly to the south and south east, with the southern boundary at approximately 120mAOD.

A brief walkover survey was undertaken of the downslope wooded areas beyond the southern boundary, referred to as 'Blunds Hole'. As denoted on the geological mapping massive outcrops of sandstone are evident.

The buildings and car parking have positive drainage. There are four soakaways located on the southeast part of the site. The site itself does not appear to have any obvious areas of boggy or poorly drained ground.

## 7.3 Vegetation

Areas of soft landscaping are present towards the front of the site and along the frontage with Lewes Road. These areas included the presence of some mature 'conifer' trees and laurels. At the rear of Wealden House is an area of more formal garden, with lawns, beds and more mature trees and hedges. Exact tree species were not determined and a formal arboricultural survey is recommended. The eastern and southern site boundaries are heavily wooded, with Blunds Hole, an ancient & semi-natural woodland bounding the south of the site.

It is noted that trees along the eastern and southern parts of the site had been felled at the time of our earlier investigations in 2018 and 2021. Reference should be made to arboricultural surveys completed at that time. These areas are now fairly overgrown.

## 7.4 Buildings and Land Use on Site and Nearby

Wealden House is a two-storey former residential dwelling, now used as offices, with various side extensions. It appears to be a rendered masonry structure. Adjoining to the south is the EDF building, a concrete framed two and three-storey building (now vacated). It is thought to date from the late 1960's / early 1970's and comprises a two to three storey office building, which has been subject to alterations over the years. It is understood that the building had been operated by EDF Energy as a disaster recovery centre, as well as providing administration services.

Structures associated with an external generator off the southern corner of the EDF building remain, although the above ground tank has been removed.

A 35m high communications mast is located just off the south western corner of the EDF building together with a porta cabin type building which is understood to house the communications plant. No access was available within this building.

A large air conditioning / cooling plant area is located off the south western corner of the EDF building. The plant area is surrounded by a 5m high timber acoustic fence and set on a concrete floor slab.

Further air conditioning plant and equipment was noted on the roof of the EDF building, and to the rear of the building on the grassed area on the western boundary.

The majority of external areas around the EDF building comprise tarmac hardstanding used for car parking.

A number of duct covers are still evident across the south eastern part of the site, (See Section 6.11.1 above).

## 7.5 Inaccessible Site Areas

The buildings on site were not accessible during the walkover or fieldwork activities. The buildings on the north western part of the site were occupied by various businesses at the time of our work.

## 7.6 Site Photographs

A series of photographs showing the site are included in Appendix F.

## C PRELIMINARY SITE MODELS

### 8 Conceptual Engineering Geological Ground Model

From the desk study information and walkover undertaken at this site the following conceptual ground model has been formulated.

| Data Source                   | Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mapped Geology                | <p>The mapped site geology consists of Ardingly Sandstone Member over Lower Tunbridge Wells Sand over Wadhurst Clay Formation.</p> <p>The Grinstead Clay Member is mapped overlying the Ardingly Sandstone Member within the far northern corner of the site.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Anticipated Ground Conditions | <p>The site has been subject to two previous phases of investigation. The soils encountered were not as anticipated, based on the mapped geology. The Grinstead Clay Member which overlies the Ardingly Sandstone Formation appears to be more extensive and provides as covering of firm to stiff Clays, which tend to Mudstones with depth across the site. These soils are underlain by very weak to medium strong Sandstone, which could be the Ardingly Sandstone Formation, over poorly cemented Sandstone and Sands, which may be the Lower Tunbridge Wells Sand Formation. (Note the descriptions correspond well with the historic borehole logs for the Ivydene Laundry site – See Section 6.2 above.)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Groundwater                   | <p>The anticipated depth to groundwater is greater than 5m, and so this is unlikely to be encountered during the majority of shallow construction activities. However, local seepages should be anticipated within excavations.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Surface Water                 | <p>The site is classified as being at medium risk of surface water flooding. This should be properly assessed during the design process and any necessary mitigation measures incorporated within the development.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Former Site Use               | <p>The site has a history of residential and commercial uses.</p> <p>A large proportion of the site area is occupied by existing buildings or external structures. There is also considered to be a high risk of encountered buried obstructions associated with former above ground and sub-surface structures, as well as existing utilities and drainage.</p> <p>Areas of contamination may also be discovered during demolition, site clearance and future construction.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Potential Geo-hazards         | <p><b>Shrinkage/swelling</b> - associated with the predominately Clay soils across the site. There are a significant number of semi-mature to mature trees across the site together with shrubs and hedgerows. Allowance should be made for a formal arboricultural survey to determine the location, height and species of each. This information will be required for foundation design.</p> <p>As previously noted a number of trees were observed to have been felled at the time of our 2018 and 2021 investigations. Information from historic arboricultural survey should also be collated.</p> <p><b>Cambering</b> - of the ground, especially the Ardingly Sandstone Member could be a potential hazard, with enlarged gulls possibly being present.</p> <p><b>'Loose or blowing Sand'</b> – poor ground conditions / recovery was encountered during drilling of two rotary boreholes on site in 2021. It is also noted from historic well records and 'blowing sand' was encountered during drilling within the Lower Tunbridge Wells Sand Formation. This could present a hazard during further borehole investigations or in areas where piled foundations are required.</p> <p><b>Slope Instability</b> - The heavily vegetated slopes along the southern boundary to the site (Blunds Hole), are estimated to be at around 30 degrees. Sandstone outcrops are visible partway down the slope. Given that a considerable thickness of Clay soils have been encountered across the site, there is considered to be a potential risk for slope instability along this boundary. More detailed investigation and analysis would be required.</p> |

| Data Source    | Comments                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                | Careful consideration should therefore be given the proposed development layout with particular attention given to the siting of structures, site drainage features and soakaways.                                                                                                                                                                                                                                 |
| Other Comments | <b>Ground Disturbance</b> - Demolition of existing buildings and removal of foundations, sub surfaces structures, drainage, utilities, vegetation and trees is likely to result in significant disturbance of the near surfaces soils across the site. This is likely to impact foundation design for proposed new structures, as well as road design, and the siting of site drainage features and soakaways etc. |

On the basis of the available information the geotechnical categorisation for the proposed structure(s) is considered to fall within Geotechnical Category 2 – Conventional structure with no exceptional risk or difficult ground or loading conditions; Eurocode 7 Ref [16].

## 9 Conceptual Site Model

In the context of this report, the conceptual model summarises the potential pollutant linkages identified for the site and forms the basis of the risk assessment for the site. The preliminary model comprises the potential sources of contamination, receptors that could be harmed and exposure pathways identified from the desk study and walkover survey. These potential linkages form the basis upon which the investigation is designed and reported.

### 9.1 Potential Sources of Contamination

The site has a history of residential use, with commercial uses on the site from circa the early 1970's. The site is located within a largely residential area.

A few potentially contaminative uses have been identified on site.

#### 9.1.1 On-Site Sources

| Sources                     |                                                                                                  | Potential Contaminants                                                                            | Likely hazard to Site |
|-----------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------|
| Historic use of the site    | Made Ground from previous phases of development                                                  | Metals, Non-metals, Asbestos, Petroleum Hydrocarbons, PAHs                                        | Very Low              |
| Current use of the site     | Wealden House (offices)                                                                          | Asbestos Containing Materials                                                                     | Very Low              |
|                             | EDF Energy building (including fuel storage, generators, air-conditioning units & battery units) | Asbestos Containing Materials, Petroleum hydrocarbons, Volatile Organic Compounds (VOC's) & PCB's | Low to Moderate       |
|                             | Electricity sub-station                                                                          | PCB's                                                                                             | Very Low              |
| UXO                         |                                                                                                  | Not considered within the scope of works                                                          | -                     |
| Radon                       |                                                                                                  | Not within an area affected by Radon                                                              | N/A                   |
| Ground and/or surface water |                                                                                                  | Metals, Petroleum hydrocarbons & Volatile Organic Compounds (VOC's)                               | Low                   |
| Ground Gases                |                                                                                                  | No potential sources identified on site                                                           | N/A                   |
| Vapours                     |                                                                                                  | Petroleum hydrocarbons & Volatile Organic Compounds (VOC's)                                       | Very Low              |

Wealden House was significantly extended on its eastern side in the 1960's, with the EDF building having been constructed shortly after. It is possible that Made Ground is present, due to the importation of hard-core as a sub-base, and beneath the building. However, given the limited redevelopment that has taken place on site, this is not considered to pose a significant risk from potential contamination.

Given the date of construction of the extension to Wealden House, it is possible that asbestos containing materials may have been used within the fabric of the building. However, it is understood that an asbestos survey is to be undertaken prior to demolition, and provided the demolition works are undertaken in accordance with best industry practice, the risk to the site from such material arising from this source is considered very low.

The EDF building on the east part of the site was also constructed at a time when asbestos containing materials were widely in use. As per the risk for Wealden House, provided the appropriate survey works are undertaken pre-demolition, this risk is not considered significant.

Given the use of this building, understood to have been a disaster recovery centre, which included an external generator and fuel storage tank (no longer present on site at the time of the site works) there is considered to be a potential risk from the use and storage of mobile sources of contaminants such as petroleum hydrocarbon fuels and oils. There is also a risk from the use of PCB's, which were often used in high voltage cables associated with electricity sub-stations. However, the risk from these substances will be localised to the immediate vicinity of the plant in which they are present, as they are not mobile in soils or water.

The potential storage and use of petroleum hydrocarbons on site also poses a risk to groundwater. The Ardingly Sandstone and Lower Tunbridge Wells Sand Formation are both classified as Secondary A aquifers, with soils of high vulnerability. However, at this stage, no significant potential sources of petroleum hydrocarbons have been identified on the site, and consequently the risk to groundwater is considered low.

Similarly, the potential storage and use of petroleum hydrocarbons presents a potential risk from the generation and migration of vapours. However, as per the risk to groundwater, the absence of any obvious sources of such contamination at this stage means that the risk from this potential source is considered very low.

During the site walkover undertaken in 2018 an Uninterruptible Power Supply (UPS) battery farm was observed within the ground floor area of the EDF building. During decommissioning and removal of this infrastructure a careful watch should be kept for any areas of staining on the concrete floors. Where any staining is present, this should be further investigated, to ensure that the removal and crushing of this material does not spread contamination.

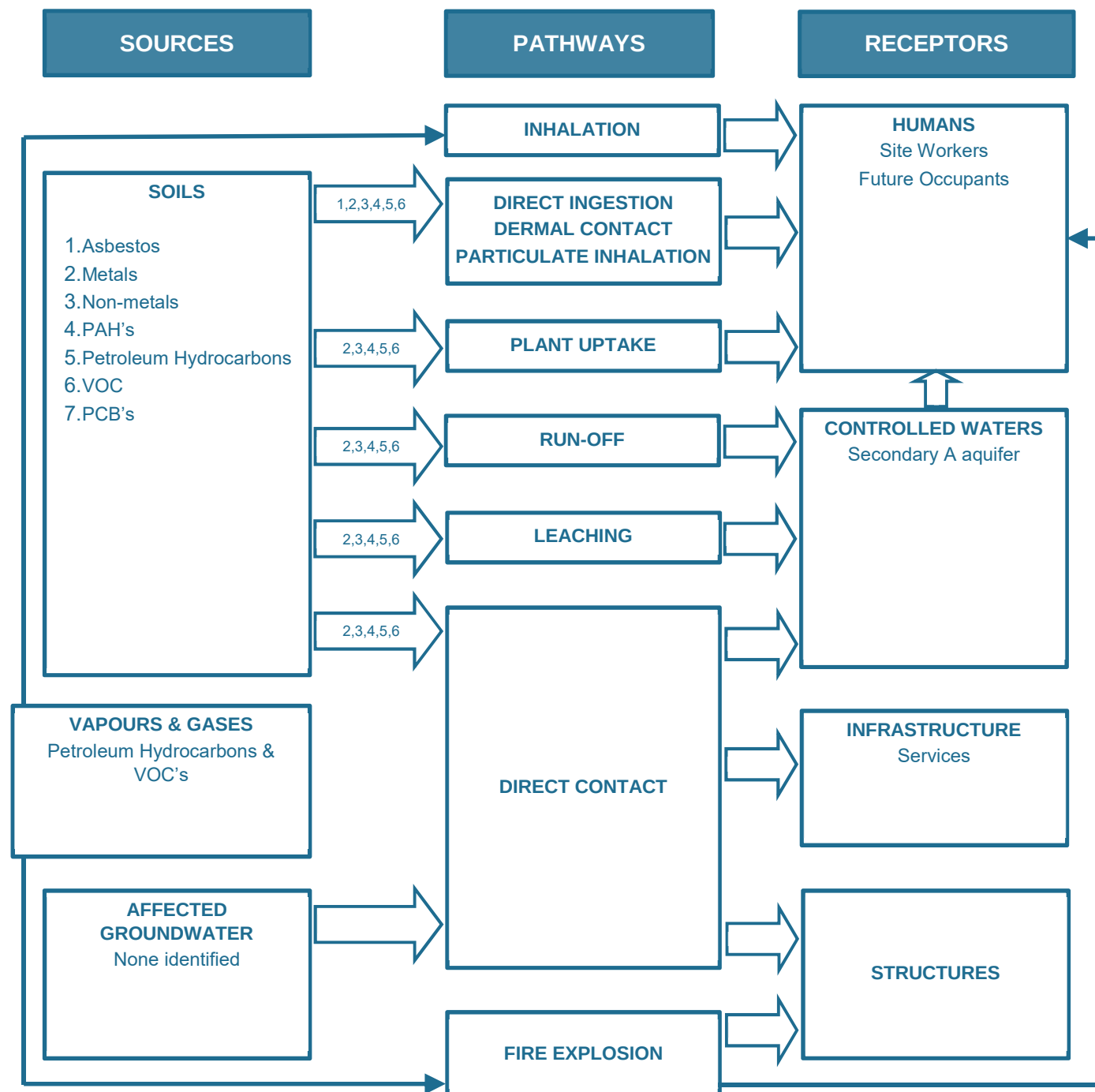
### 9.1.2 Off-Site Sources

No potential off-site sources of potential contamination have been identified.



## 9.2 Pollutant Linkages and Conceptual Site Model Summary

The following diagram shows the potential pollutant linkages identified for the site and summarises the preliminary conceptual model:



// Denotes potential pollutant linkage not complete.



## D GROUND INVESTIGATION

### 10 Strategy and Method

It is noted that for Contractual reasons reliance cannot be made on earlier phases of intrusive investigation undertaken by Southern Testing in 2018 and 2021. Hence, a new ground investigation has been completed. The strategy adopted for this intrusive investigation comprised the following:

| Activity / Method                           | Purpose                                                                                                                                                                                       | Max Depth Range (mbgl) | Installations / Notes                                     |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------|
| WLS101 - 109<br>Dynamic Windowless Sampling | Boreholes to investigate the shallow ground conditions within external areas across the site. To allow SPT's and collection of samples for geotechnical and contamination laboratory testing. | 3.0                    | N/A                                                       |
| WLS110 – 112<br>Hand Augered Boreholes      | Boreholes to investigate the shallow ground conditions within external areas and allow the collection of samples for geotechnical and contamination laboratory testing.                       | 1.8 – 3.0              | No access for the dynamic sampling rig to these locations |
| CBR 1-7                                     | DCP CBR tests to provide preliminary information for pavement design.                                                                                                                         | 1.0                    | N/A                                                       |

Exploratory hole locations are shown in Figures 2A and 2B in Appendix A.

In-situ test and sampling methods descriptions employed are given in Appendix B together with the test results.

SPT Energy Ratio certificates and a Summary Table of SPT N Values is provided within Appendix B.

Exploratory hole locations were positioned to provide general site coverage, although it is noted that the spread of locations was partly restricted by existing site buildings, features, vegetation, utilities and drainage.

Additional investigation will be required during or following demolition once access to the entire site is available.

### 11 Weather Conditions

The fieldwork was carried out 18<sup>th</sup> and 19<sup>th</sup> July 2024 at which time the weather was generally hot, dry and sunny.

According to the Met Office<sup>2</sup>, rainfall for June 2024 was around 50% of the average expected for the month. However, Met Office data for Winter 2024 (December 2023, January and February 2024) indicates that the UK provisionally recorded 445.8mm of rainfall, 129% the 1991-2020 average and the eighth-wettest winter. Rainfall totals were above average for all regions of the UK. Southern England was particularly wet with 153% of the 1991-2020 average rainfall. Similarly, Met Office data for Spring 2024 (March, April and May 2024) indicates that this was also a wet season with heavy rain in southern and central England during March, in northern England and Scotland during April, and across the country during May. Southern England is reported to have had in the region of 150 to 170% of the 1991-2020 average rainfall.

### 12 Soils as Found

The soils encountered are described in detail in the attached exploratory hole logs in Appendix A, but in general comprised a covering of variable Made Ground overlying silty clay tending to siltstone at depth. A summary is given below.

| Depth (m)     | Thickness (m) | Soil Type                              | Description                                         |
|---------------|---------------|----------------------------------------|-----------------------------------------------------|
| GL – 0.04/0.1 | 0.04 – 0.1    | BLACKTOP<br>(Absent WLS03 & 110 – 112) | Blacktop site surfacing.                            |
| GL – 0.05/0.3 | 0.05 – 0.3    | TOPSOIL<br>(WLS03 & 110 – 112 only)    | Mid brown clayey silty SAND with frequent rootlets. |

<sup>2</sup> [Climate summaries - Met Office](#) – accessed 26<sup>th</sup> July 2024

| Depth (m)             | Thickness (m) | Soil Type                                  | Description                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------|---------------|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GL/0.1 – 0.3/0.6      | 0.26 – 0.55   | MADE GROUND<br>(Absent from WLS110 – 112)  | WLS101, WLS106 & WLS107:<br>Recovered as red-fine to coarse occasionally cobble size brick & concrete in a sandy matrix.<br>WLS102, WLS105 & WLS109:<br>Pink-grey fine to coarse limestone in a sandy matrix with rare brick cobbles.<br>WLS103:<br>Buff-grey fine to medium sand with fine to coarse brick, concrete and flint.<br>WLS104 & WLS108:<br>Dark brown/black gravel of blacktop, limestone and rare brick fragments. |
| 0.4 – 0.6             | 0.2           | RE-WORKED GROUND<br>(WLS103 & WLS109 only) | Brown SILT/SAND or SILT/CLAY with rare fine brick and slate.                                                                                                                                                                                                                                                                                                                                                                     |
| 0.4 – 0.5/0.7         | 0.1 – 0.3     | Silty CLAY<br>(WLS101, 105 & 108 only)     | Soft dark grey silty CLAY (poss. re-worked ground).                                                                                                                                                                                                                                                                                                                                                                              |
| 0.6/0.7 – 1.0         | 0.3 – 0.4     | SAND<br>(WLS107 & 108 only)                | Loose blue-grey/yellow-brown fine SAND.                                                                                                                                                                                                                                                                                                                                                                                          |
| 0.2/2.5 – 1.1+/3.45+  | 0.7+ – 3.0+   | Silty CLAY/SILT CLAY                       | Soft to very stiff yellow-orange/yellow-brown mottled light grey silty CLAY or SILT/CLAY, with rare ironstone bands and siltstone gravel, tending to siltstone at depth.<br>[Grinstead Clay Member]                                                                                                                                                                                                                              |
| 2.45/2.9 – 3.0+/3.45+ | 0.1+/0.9+     | MUDSTONE<br>(WLS104 – 109)                 | Extremely weak highly weathered very thinly bedded yellow and grey MUDSTONE.<br>[Grinstead Clay Member]                                                                                                                                                                                                                                                                                                                          |

The soils encountered during this investigation correspond well with the findings of earlier investigations completed by Southern Testing in 2018 and 2021. Ground conditions do not appear to correspond with the mapped geology with a much more extensive covering of CLAY soil extending across more or less the entire site. These CLAY soils are thought to represent the Grinstead Clay Member.

## 12.1 Visual and Olfactory Evidence of Contamination

Evidence of possible contamination in the form of Made Ground was encountered in the majority of the exploratory holes; whilst no malodourous or visually contaminated materials were seen, such materials can contain elevated levels of contaminants, only detectable through laboratory analysis. These occurrences are discussed in Section E.

## 13 Groundwater Observations

Groundwater strikes or seepages were not encountered during the intrusive ground investigation works.

## E DISCUSSION OF GEOTECHNICAL TEST RESULTS AND RECOMMENDATIONS

### 14 Geotechnical Laboratory Tests

The following geotechnical laboratory testing was carried out on selected samples in order to aid material classification and characterise soil properties. The test method references and results are given in Appendix C.

| Laboratory Test                        | Number of Samples Tested | Stratum               |
|----------------------------------------|--------------------------|-----------------------|
| Moisture Content                       | 11                       | Grinstead Clay Member |
| Atterberg Limit                        | 11                       |                       |
| Particle Size Distribution (Wet Sieve) | 2                        |                       |
| Particle Size Distribution (Pipette)   | 2                        |                       |
| BRE SD1 Suite B                        | 12                       |                       |

### 15 Soil Classification and Properties

#### 15.1 Made Ground and Sub-Surface Obstructions

"Fill" and "Made Ground" are terms used to describe material placed by man. It may have been placed in a controlled or uncontrolled manner and if the latter term applies then very great variations in material type, depth and density are likely to occur.

Shallow Made Ground soils have been encountered beneath areas of hard standing particularly around the EDF building. The material was generally found to be composed of brick, concrete, limestone sub-base or sandy gravels. These contained various anthropogenic materials including brick, concrete, ash, clinker wood and metal fragments.

Shallow Made Ground in the form of reworked natural soils such as Clay, clayey Sand and gravelly Clay or thickened Topsoil was also noted within some soft landscaped areas, which included brick fragments. These probably represent the historical landscaping works on the site.

As discussed within Section 6.11.1, it is anticipated that sub-surface obstructions associated with historic development will be encountered in some areas of the site. Substantial foundations are also anticipated to the EDF building. It is unknown whether any of the existing buildings have basement areas.

Demolition of existing buildings and removal of foundations, sub-surfaces structures, fuel tanks, drainage, utilities, vegetation and trees etc. is likely to result in significant disturbance of the near surfaces soils across the site and the creation of further Made Ground or Reworked Ground. This is likely to impact foundation design for proposed new structures, as well as road design, and the siting of site drainage features and soakaways etc.

An historic well onsite is recorded on the mapping, this may be encountered during the construction works. The state of this is unknown, it could be capped off or backfilled or remain as a void, so may require remedial engineering works to be undertaken.

The Made Ground / Reworked Soils will generally have the following properties:

1. Unsuitable as a foundation bearing material for settlement sensitive structures (such as buildings, roads, play areas, footpaths, drainage, services etc.). Bearing capacity would depend on the proposed loads, tolerable levels of settlement, and the use of ground improvement techniques.
2. These materials will be highly unstable in open excavations and prone to collapse. "Running" ground may be encountered in deep excavations at or beneath the water table. Statutory support will be required in all excavations where personnel must work.
3. Subject to high and variable amounts of settlement when loaded. Apart from the direct effect on foundations and floor slabs this would cause down drag on piled foundations.
4. Subject to long-term creep settlement from ongoing consolidation from self-weight. Any inundation from a rise in water table or the introduction of surface water would accelerate such settlement.
5. Allowance should be made for groundwater seepages / inflows in all excavations.

A bulk unit weight ( $\gamma_b$ ) of 18kN/m<sup>3</sup> is recommended.

## 15.2 Grinstead Clay Member

Ground conditions do not appear to correspond with the mapped geology with a much more extensive covering of CLAY soil extending across more or less the entire site. These CLAY soils are thought to represent the Grinstead Clay Member.

The CLAY soils generally extended to the full depth of all of the exploratory holes completed during this investigation. These deposits were generally seen to comprise yellowish brown and greyish brown clays, silty Clays or clayey Silts, near the surface tending to a more brown greyish brown and light grey.

The clays were seen generally to be gain strength with depth from soft or firm to stiff and very stiff and typically thinly laminated. Thin or thick laminations of fine Sandstone or Siltstone were commonly encountered. The soils were seen to be iron stained in parts.

Previous investigations had also encountered Mudstone below approximately 3.3m depth within the northern part of the site. Mudstone has also been encountered during this investigation within boreholes WLS104 (between 2.4 and 3.45+m) and WLS105 (between 2.10 and 3.45+m) in the northern part of the site.

The Mudstone does not appear to be present across the southern parts of the site.

The SAND was encountered with WLS107 (between 0.6 and 1.0m) & WLS108 (between 0.7 and 1.0m) which is not considered typical of the Lower Grinstead Clay Formation. However, it is noted that SAND was also encountered within a borehole positioned between WLS107 and WLS108, at a similar depth, during the 2018 ground investigation. A more extensive horizon of SAND was also encountered further towards the southern boundary during the 2018 ground investigation, which extended from 0.9m to a depth of 3.8m. In all cases the SAND was underlain by firm to stiff CLAY with interbedded Siltstone which are thought to be representative of the Grinstead Clay Member.

Twelve Atterberg test have been completed within Clay soils across the site which have indicated significant variations with a classification of Clay of Low through to Very High plasticity.

The range of material properties measured are as follows; Liquid Limit of 29 - 74%, a Plastic Limit of 16-25% and a Plasticity Index of 10 - 52%. On balance a NHBC High Volume Change Potential classification is advised.

The more sandy CLAY soils had the following range of particle size distribution results (from two tests).

| Hole ID / Depth (m) | Clay & Silt (%) | Sand (%) | Gravel (%) | Cobbles (%) |
|---------------------|-----------------|----------|------------|-------------|
| WLS111 @ 2.00m      | 94              | 4        | 1          | 0           |
| WLS112 @ 1.50m      | 95              | 3        | 1          | 0           |

The particle size distribution results above may not represent the full range of soils encountered on site and as discussed above more extensive SAND deposits may be encountered in some areas of the site.

The predominately Clay soils will have very low permeability. The Sand is anticipated to have moderate to low fines content and therefore are likely to be fairly free-draining, however, the vertical and lateral distribution of any Sand within the Clay soils may inhibit flow.

These cohesive soils are likely to have medium compressibility characteristics.

## 16 Ardingly Sandstone Member

The underlying Ardingly Sandstone Member does not appear to have been proved during this investigation. However, during the 2021 investigation it was proved at a depth of around 6.35mbgl on the northern part of the site and at a depth of around 3.30mbgl on the southern part of the site. It is therefore possible that the SPT's in boreholes WLS108 and WLS109 at 3.0m both refused on the upper part of this formation – although no sample was recovered to prove the theory. Additional rotary cored boreholes would be required to develop the ground model, prove the ground conditions at depth and confirm the geological sequence for the site.

## 16.1 Summary of Geotechnical Parameters

### Soil Type: Made Ground

| Parameters                                     | Range      | Suggested Design Value |
|------------------------------------------------|------------|------------------------|
| Effective Cohesion (kPa)                       | Not tested | 0 <sup>(1)</sup>       |
| Bulk Density (Mg/m <sup>3</sup> )              | Not tested | 1.8 <sup>(1)</sup>     |
| Effective Angle of Friction, $\phi'$ (degrees) | Not tested | 27 <sup>(1)</sup>      |

1. Where no testing has been undertaken, the suggested design values are based on our experience of similar soils.

### Soil Type: Grinstead Clay Member

| Parameters                                                 | Range      | Suggested Design Value |
|------------------------------------------------------------|------------|------------------------|
| Plasticity Index (%)                                       | 10 - 52    | 32                     |
| Effective Cohesion (kPa)                                   | Not tested | 0 <sup>(1)</sup>       |
| Bulk Density (Mg/m <sup>3</sup> )                          | Not tested | 2.0 <sup>(1)</sup>     |
| Coefficient of Compressibility, $M_v$ (m <sup>2</sup> /MN) | Not tested | 0.1 <sup>(1)</sup>     |
| Effective internal angle of friction, $\phi'$ (degrees)    | Not tested | 22 <sup>(1)</sup>      |

1. Where no testing has been undertaken, the suggested design values are based on our experience of similar soils.

## 17 Groundwater Levels

Groundwater levels vary considerably from season to season and year to year, often rising close to the ground surface in wet or winter weather, and falling in periods of drought. Long-term monitoring from boreholes or standpipes is required to assess the ground water regime and this was not possible during the course of this site investigation.

Whilst the groundwater regime for this site has not been established, it is anticipated that groundwater will be located towards the base of the Lower Tunbridge Wells Sand Formation, above the more impermeable Wadhurst Clay Formation.

Based on the observations to date, allowance should be made for seepages in all shallow excavations, especially during wet weather. Where seepages are encountered the soils will soften rapidly and excavations will be prone to instability. The Sand materials will 'run' and be highly unstable in excavations or boring operations where seepages are encountered or below the water table.

It is envisaged that seepages above the water table within shallow excavations could be controlled by locally pumping from sumps.

## 18 Swelling and Shrinkage

Shrinkable soils are subject to changes in volume as their moisture content is altered. Soil moisture contents vary from season to season and can be influenced by a number of factors including the action of roots. The resulting shrinkage or swelling of the soil can cause subsidence or heave damage to foundations, the structures they support and services.

The designer should be aware that precautions regarding swelling and shrinkage are applicable, and in this respect NHBC precautions provide a helpful guide with respect to minimum foundation depths and deepening particularly within the zone of influence of vegetation.

Assessment of foundation depths should take into account trees, hedgerow and shrubs which are to be removed, are to remain or are proposed in any planting scheme; and which may be allowed to reach maturity.

We would recommend that on balance a NHBC HIGH Volume Change Potential site classification be adopted for design purposes covering the Clay materials.

Full details of protective measures are given in NHBC Standards Ref [17], Chapter 4.2 to which the reader is referred.

**There are a significant number of semi-mature to mature trees across the site, together with shrubs and hedgerows. Allowance should be made for a formal arboricultural survey to determine the location, height and species of each. This information will be required for foundation design.**

**As previously noted a number of trees were observed to have been felled at the time of our 2018 and 2021 investigations. Information from historic arboricultural survey should also be collated.**



## 19 Lateral Pressure & Heave

Where foundations are more than 1.5m deep, and are within the zone of influence of existing or removed trees, then precautions will also need to be taken against the effects of lateral swelling of soils beneath house units due to removal of trees, or cutting tree roots.

A helpful guide with respect to requirements for the relief of lateral pressure is set out in the NHBC Standards Ref [17], Chapter 4.2 to which the reader is referred. The basic requirement is that compressible material or void former should be installed on the inner face of external foundation walls. With piled foundations additional voids are required below ring beams.

## 20 Soakaways

Southern Testing have been forwarded a copy of a Flood Risk Assessment and Surface Water Drainage Strategy for the site, prepared by Motion for Ashgrove Homes Ltd. in August 2022. It is understood to form part of the approved planning.

The proposed drainage strategy is reported to utilise SuDS techniques in the form of permeable paving and a swale, which it is stated will provide pollution mitigation as well as attenuation and infiltration of surface water.

The designer appears to have utilised soakage testing completed by Southern Testing for Ashgrove Homes Ltd. in 2018 (See our report J13397). Part of the objective of this work was to test existing soakaways which EDF had identified to be located on the southern edge of the site. We understand that Ashgrove Homes Ltd. were at that time considering re-use of the soakaways as part of their development proposals.

Falling head soakage testing was also undertaken at the same time within three windowless sampler boreholes. Given the presence of the Grinstead Clay Member across the site, these tests results reported negligible soakage due to the high clay/silt content of the soils.

There are a number of important points that need to be considered with regard to the design and use of soakaways on this site.

- Our previous report (J13397) was prepared for the reliance of Ashgrove Homes Ltd. Octagon Developments Ltd. have no reliance on this information.
- The design values adopted by Motion are not considered to be representative of the soils across the wider site and the measured values refer specifically to tests completed within the existing soakaways. Their design does not appear to consider the reuse of the existing soakaways, not that it is advised.
- The construction detail for the existing soakaways is unknown. The existing soakaways are located on the far southern edge of the site, and ground levels beyond to the south fall away steeply into the valley. The higher soakage rates measured within the existing soakaways may reflect a change in the geology across the far southern edge of the site or the fact that the soakaways are positioning on the edge of a slope.
- As has been noted within our previous reports in 2018 and 2021, all drainage system elements should be located and designed taking into account the topography and ground conditions of the site. Care should be taken to ensure that water is discharged at depth to prevent potential seepage outflows and or flooding of lower lying areas or potential instability of the clay slopes along the southern boundary. Careful consideration should therefore be given to the design and siting of all drainage system elements.
- As noted above the design prepared by Motion denotes a swale to be located along the southern boundary at the top of the slopes. For the same reasons discussed above, we would also not recommend the use of a swale within this area.

Falling head soakage testing was attempted within two of the windowless sampler boreholes as part of this investigation. The results are presented within Appendix B. Negligible soakage was measured due to the generally clayey nature of the shallow soils and again confirms our earlier findings.

**On the basis of these test results and given the soil types present, the site is not considered suitable for shallow soakaway drainage or SUDS techniques. We would therefore recommend a positive drainage system be considered for all surface water disposal.**

As an alternative solution, consideration could possibly be given to the use of deep borehole soakaways, if it were possible to penetrate into the underlying Ardingly Sandstone Member where, depending on how fractured it is, it may be possible to achieve soakage. However, in our experience the success rate locally has been low.

Whilst the site is not located within a groundwater Source Protection Zone (SPZ), the Ardingly Sandstone Member and underlying Lower Tunbridge Wells Sand Formation bedrock deposits are classified as a Secondary Aquifer and, therefore, specialist advice and permission should be sought from the Environment Agency with regard to drainage of roofs and access road/parking areas into soakaways on site.

Soakaways should not normally be constructed closer than 5-10 m to buildings and as discussed above should be located remote from the existing slope on the southern boundary.

## 21 Sulphates and Acidity

Chemical analysis of the underlying soils has been undertaken to establish the aggressive chemical environment for concrete in accordance with the BRE Special Digest 1, Ref [18]. The site category determined is that of a natural ground location that contain pyrites (or potential pyrites), as the underlying soils form part of the Grinstead Clay Member.

Given the sample numbers tested the characteristic value for sulphate concentration has been determined from the mean of highest 20% of measured concentrations.

The recorded pH values are in the range 4.9 to 8.3, mildly acidic to mildly alkaline in reaction.

The Design Sulphate Class is DS-1. Groundwater should be assumed to be mobile (default where unproven). The ACEC site classification is AC-1.

Where deeper piled foundations are proposed additional chemical analysis would be required to establish the aggressive chemical environment for the underlying soils which may vary from this classification.

## 22 Foundations and Bearing Capacity

All loadings should be transferred beneath any fill or made ground, topsoil, soft or disturbed soils and be placed within the underlying natural stiff Clay soils. Based on the results of this investigation an allowable bearing capacity of 110kN/m<sup>2</sup> could be adopted for foundations set within these soils.

Strip or trench-fill foundations should be kept at a width of 1.2m or less, and pads to a maximum plan dimension of 3.0m in order to help keep settlements tolerable. Settlement analysis would be required for any foundations beyond these sizes.

Given the marked variation in settlement characteristics of the various soils encountered, it is advised that reinforcement be incorporated in all foundations to help reduce the effects of differential settlement. The structural engineer should be consulted with respect to the reinforcement specification.

It is noted that demolition of existing buildings and buried structures will occur over quite a large part of the central area of the site, resulting in ground disturbance to a variable depth. Careful control and recording of excavations, monitoring of backfilling and foundation deepening will be required within these areas. Care needs to be taken to ensure that foundations are not constructed on disturbed or backfilled ground.

A minimum foundation depth of 1000mm is anticipated for NHBC High Volume Change Potential soils. However, the designer should be aware that precautions regarding swelling and shrinkage are applicable and in this respect NHBC precautions provide a helpful guide with respect to minimum foundation depths and deepening particularly within the zone of influence of trees, hedgerows or shrubs; existing, proposed or removed.

Noting that parts of the site are very heavily vegetated, allowance should be made for undertaking a detailed survey prior to any vegetation clearance with the location, height and species of all trees, saplings and shrubs accurately recorded. As previously noted a number of trees were observed to have been felled at the time of our 2018 and 2021 investigations. Information from historic arboricultural surveys should also be collated.

Subject to the Engineers final design excessive foundation deepening may be required, both due to ground disturbance during demolition and the influence of trees, hedgerows or shrubs; existing, proposed or removed.

Based on NHBC guidance, foundations below 2.5m must be designed individually by an engineer on an individual property basis taking into account soil desiccation, heave, lateral pressure, trench stability and workmanship. At depths in excess of 2.5m a piled foundation is usually the most appropriate foundation option.

Further testing is recommended to assess any potential desiccation on site. This should be carried out once a final design layout is available and the site has been cleared.



Given the inherent variability of soil conditions, it is recommended that foundation inspections be undertaken during construction by a suitably qualified engineer to confirm that the recommendations within this report are appropriate to the actual ground conditions encountered and the engineer's foundation design.

## 23 Piling

In the case of a piled foundation solution allowance would need to be made for a deeper borehole investigation to provide information for pile design. It is recommended that exploratory boreholes should penetrate to at least a depth of 33% to 50% more than final pile base depth in at least 2 positions.

## 24 Floor Slabs

Given the presence of the variable Made Ground, Clay soils, along with numerous trees and vegetation, allowance should be made for fully suspended ground floor slabs throughout the development.

## 25 Settlement

Based on the recommendations given above, settlement for the proposed structures should be within tolerable limits.

## 26 Excavations and Dewatering

Statutory support will be required in all excavations where personnel must work.

An allowance should be made for breaking out sub-surface obstructions associated with existing and past developments, the presence of buried concrete structures and heavily reinforced slabs. However, it should be assumed that other buried structures and obstructions are present across the wider site. The foundations and drainage associated with the existing buildings and associated infrastructure will also need to be allowed for where excavations are planned.

The presence of numerous buried utilities is known and recorded, however other unrecorded infrastructure should be assumed, which is not always identified using cable avoidance tools.

The Clay materials, whilst generally stable in the short-term, will be prone to instability in open excavations during wet weather or where seepages are encountered and will soften rapidly if exposed to moisture or the elements. The Sand materials will 'run' and be highly unstable in excavations or boring operations where seepages are encountered or below the water table. Any superficial Made Ground is likely to be unstable in open excavation.

Where excavation is proposed in close proximity to existing structures care will need to be taken to avoid undermining existing foundations.

Hard ground, such as rock bands may be encountered, and where necessary allowance should be made for breaking these using hydraulic hammers or the like mounted on the excavation plant, to facilitate excavation.

Significant inflows of groundwater into excavations would not be anticipated nor would the requirement for specialist de-watering activities.

An historic well is recorded onsite on the mapping, this may be encountered during the construction works. The state of this is unknown, it could be capped off or backfilled or remain as a void, so may require remedial engineering/decommissioning works to be undertaken.

## 27 Filling

Given the existing levels on site, it is not envisaged that any significant filling will be required for the proposed development. However it should be noted that the shallow materials generally have a high clay content and so will be difficult to handle and compact when wet, making them difficult for re-use as structural fill.

## 28 Slope Stability

No formal slope stability analysis has been undertaken for this site. Given the generally low gradients of the topography across the development site, it could be considered being generally at low risk.

However, the heavily vegetated slopes along the southern boundary to the site (Blunds Hole), are estimated to be at around 30 degrees, with Sandstone outcrops visible partway down the slopes. The upper parts of the slope are

anticipated to comprise Clay associated with the Grinstead Clay Member. Careful consideration should therefore be given to any proposed development with particular attention given to the siting of structures, soakaways and drainage elements remote from the crest of the slopes. More detailed slope stability assessment may be required as part of the final detailed site design.

## 29 Pavement Construction

Based on the available data, it is anticipated that the formation to proposed pavement areas will be founded both within the natural Clay soils as well as possibly within areas of Made Ground or Reworked Ground.

The results of in-situ *DCP CBR* or *CBR* testing generally indicated CBR values in the range of 0.7 to 26% at the anticipated formation level of 0.5 to 1.0mbgl. However, it should be noted that in-situ CBR readings can vary significantly depending on a number of factors, including the moisture content of the soil and this can in turn vary depending on the weather and other site conditions leading up to and during testing. For these reasons it is deemed that the results of in-situ CBR testing represent the CBR value only on the day of the test, and under the conditions prevailing at the time, and should not, in isolation, be considered as being equivalent to the Design CBR value.

The results of Atterberg Limit tests on the clay materials indicate plasticity indices in the range of 10 to 52%, with an average value of 32%. On the basis of guidance in the DMRB Ref [19] a CBR value of about 3% is estimated for a thin pavement construction for poor construction conditions with a low water table.

Taking these factors into consideration, a preliminary design CBR value of 3% can be assumed for pavement foundation design purposes on the natural Clay soils. However, given that the soils are likely to be disturbed by construction plant during demolition and construction it would be suggested that the CBR value is reassessed as construction progresses. Further sampling and laboratory testing may be necessary to satisfy Local Highway Authority design guidance, in terms of frequency and types of testing, if roads are to be submitted for adoption.

The most important element of any road construction is drainage and attention must be given not only to the drainage of the subsoil but to the various layers of construction. To this end, the formation should be shaped to a camber or crossfall to allow water movement out of the sub-base. Silty soils soften extremely quickly if allowed to become wet or if they are excavated below the water table and this softening can give rise to a very substantial increase in costs.

Sub-base and coarse capping materials tend to segregate during placing operations, particularly when end tipped. On soft clay subgrades this can lead to punching and softening of the formation. The use of an appropriate geotextile or geofabric, laid in accordance with manufacturer's recommendations / guidance, should help to minimise this.

The formation should be proof-rolled in a manner appropriate to the subgrade soils, and any soft spots found should be excavated and replaced with compacted granular material. The surface of the formation should then be appropriately compacted, prior to laying the capping layer and/or sub-base.

Construction traffic should be kept off formations and it is often advisable to leave a protective layer of soil above formation level until the last moment before reducing to formation level and placing the capping and/or sub-base.

The formation should be considered not frost-susceptible.

## F DISCUSSION OF GEOENVIRONMENTAL TEST RESULTS AND RECOMMENDATIONS

### 30 Analytical Framework

There is no single methodology that covers all the various aspects of the assessment of potentially contaminated land and groundwater. Therefore, the analytical framework adopted for this investigation is made up of a number of procedures, which are outlined below. All of these are based on a Risk Assessment methodology centred on the identification and analysis of Source – Pathway – Receptor linkages.

The CLEA model Ref [1], provides a methodology for quantitative assessment of the long-term risks posed to human health by exposure to contaminated soils. Toxicological data is used to calculate a Soil Guideline Value (SGV) for an individual contaminant, based on the proposed site use; these represent minimal risk concentrations and may be used as screening values.

In the absence of any published SGVs for certain substances, Southern Testing have derived or adopted Tier 1 screening values for initial assessment of the soil, based on available current UK guidance including the LQM/CIEH S4UL's Ref [20] and CL:AIRE Soil Generic Assessment Criteria Ref [21]. In addition, in 2014, DEFRA Ref [22] published the results of a research programme to develop screening values to assist decision making under Part 2A of the Environmental Protection Act. Category 4 screening levels were published for 6 substances, with reference to human health risk only. This guidance includes revisions of the CLEA exposure parameters, presenting parameters for public open space land use scenarios, and also of the toxicological approach. The screening levels represent a low risk scenario, based on a 'Low Level of Toxicological Concern' rather than the 'Minimal Risk' of CLEA. Category 4 screening levels for further substances have been published subsequently. The analytical results of this investigation may be considered relative to these levels.

Site-specific assessments are undertaken wherever possible and/or applicable.

CLEA requires a statistical treatment of the test results to take into account the normal variations in concentration of potential contaminants in the soil and allow comparisons to be made with published guidance.

**The contamination screening values used are valid at the time of writing but may be subject to change and any such changes will have implications for the assessments based upon them. Their validity should be confirmed at the time of site development.**

## 31 Site Investigation – Soils

### 31.1 Sampling Regime

The number of sample locations was limited and was intended to provide general coverage of the site.

Access was restricted by the presence of buildings and buried services.

### 31.2 Testing

The potential for contamination by asbestos, metals, non-metals, Polyaromatic Hydrocarbons (PAHs), petroleum hydrocarbons, Volatile Organic Compounds (VOCs) and Polychlorinated biphenyls (PCBs) was identified in the preliminary conceptual model. No olfactory evidence of VOC's were encountered during the intrusive site investigation works. Therefore, the following tests were selected.

| Test Suite                                                                    | Number of Samples | Soil Tested                                               |
|-------------------------------------------------------------------------------|-------------------|-----------------------------------------------------------|
| STL Key Contamination Suite                                                   | 11                | 2 No. Made Ground<br>3 No. Topsoil<br>6 No. Natural Soils |
| Asbestos Screen                                                               | 15                | 6 No. Made Ground<br>3 No. Topsoil<br>6 No. Natural Soils |
| Total Petroleum Hydrocarbons with carbon banding and aliphatic/aromatic split | 3                 | 1 No. Made Ground<br>2 No. Natural Soils                  |
| PCB                                                                           | 3                 | 1 No. Made Ground<br>2 No. Natural Soils                  |

The test results are presented in full in Appendix E. A summary and discussion of the significance of the results and identified contamination sources is given below.

## 31.3 Test Results and Identified Contamination Sources

### 31.3.1 General Contaminants

The results of the key contaminant tests have been analysed in accordance with the CLEA methodology. The samples have been grouped into three populations comprising Made Ground, topsoil and natural soil. For each parameter in each population the sample mean is calculated and compared to a Tier 1 screening value. If the sample

mean exceeds the screening value, the soil may be regarded as contaminated and further assessment may be required. If neither the sample mean nor any single value exceeds the screening value, the soil may be regarded as not contaminated, though further confirmatory assessment may be required. Where any single parameter value exceeds the screening value but the sample mean does not, further statistical analysis may be applied to that parameter if the available data is suitable. Such analysis would include an assessment of the Normality of the distribution of the data, consideration of the presence of outliers, and the calculation of a UCL estimate of the mean.

Summary data is presented in the tables below and the laboratory analysis is included in Appendix E. The screening values and source notes are presented in Table 1 “Tier 1 Screening Values” at the front of Appendix E.

#### **Soil Type: Made Ground**

| Contaminants                | Units | WLS103<br>@0.5m | WLS109<br>@0.5m | Residential with Home-grown<br>Produce Consumption<br>Tier 1 Screening Values |
|-----------------------------|-------|-----------------|-----------------|-------------------------------------------------------------------------------|
| Arsenic (As)                | mg/kg | 18              | 11              | 37                                                                            |
| Cadmium (Cd)                | mg/kg | <0.2            | <0.2            | 11                                                                            |
| Trivalent Chromium (CrIII)* | mg/kg | 20              | 19              | 910                                                                           |
| Hexavalent Chromium (CrVI)  | mg/kg | <1.8            | <1.8            | 6                                                                             |
| Lead (Pb)                   | mg/kg | <b>810</b>      | 58              | 200                                                                           |
| Mercury (Hg)                | mg/kg | 0.6             | <0.3            | 7.6-11                                                                        |
| Selenium (Se)               | mg/kg | <1.0            | 1.9             | 250                                                                           |
| Nickel (Ni)                 | mg/kg | 12              | 12              | 130                                                                           |
| Copper (Cu)                 | mg/kg | 35              | 19              | 2,400                                                                         |
| Zinc (Zn)                   | mg/kg | 120             | 71              | 3,700                                                                         |
| Phenol                      | mg/kg | <1.0            | <1.0            | 120-380                                                                       |
| Benzo(a)pyrene (BaP)        | mg/kg | <b>6.5</b>      | 0.5             | 1.7-2.4                                                                       |
| Naphthalene                 | mg/kg | 0.13            | <0.05           | 2.3-13                                                                        |
| Total Cyanide (CN)          | mg/kg | <1.0            | <1.0            | /                                                                             |
| Acidity (pH values)         | /     | 8.1             | 7.2             | /                                                                             |
| Soil Organic Matter         | %     | 1.6             | 1.8             | /                                                                             |

\* Assumed as Total Cr minus CrVI

The concentrations of Lead and Benzo(a)pyrene in the sample of Made Ground taken from WLS103@0.5m bgl. would be considered elevated when compared to their Tier 1 screening values.

Benzo(a)pyrene is used as a surrogate marker for all genotoxic PAH's, in line with HPA guidance Ref [23]. The test data has been compared with the concentration limits reported for the Culp study, as recommended by HPA, and is consistent with this approach. On the basis of the test results, the genotoxic PAH's in the sample from WLS103@0.50m would be considered to pose a potential risk to human health.

**Soil Type: Topsoil**

| Contaminants                | Units | WLS110<br>@0.20m | WLS111<br>@0.10m | WLS112<br>@0.10m | Residential with<br>Home-grown<br>Produce<br>Consumption<br>Tier 1 Screening<br>Values |
|-----------------------------|-------|------------------|------------------|------------------|----------------------------------------------------------------------------------------|
| Arsenic (As)                | mg/kg | 11               | 16               | 21               | 37                                                                                     |
| Cadmium (Cd)                | mg/kg | <0.2             | <0.2             | <0.2             | 11                                                                                     |
| Trivalent Chromium (CrIII)* | mg/kg | 24               | 19               | 27               | 910                                                                                    |
| Hexavalent Chromium (CrVI)  | mg/kg | <1.8             | <1.8             | <1.8             | 6                                                                                      |
| Lead (Pb)                   | mg/kg | 64               | 140              | 66               | 200                                                                                    |
| Mercury (Hg)                | mg/kg | <0.3             | <0.3             | <0.3             | 7.6-11                                                                                 |
| Selenium (Se)               | mg/kg | 1.4              | <1.0             | 2.3              | 250                                                                                    |
| Nickel (Ni)                 | mg/kg | 14               | 12               | 35               | 130<br>(60 – 70) <sup>^</sup>                                                          |
| Copper (Cu)                 | mg/kg | 32               | 25               | 22               | 2,400<br>(100 – 135)                                                                   |
| Zinc (Zn)                   | mg/kg | 78               | 57               | 67               | 3,700<br>(200)                                                                         |
| Phenol                      | mg/kg | <1.0             | <1.0             | <1.0             | 120-380                                                                                |
| Benzo(a)pyrene (BaP)        | mg/kg | 0.07             | <0.05            | <0.05            | 1.7-2.4                                                                                |
| Naphthalene                 | mg/kg | <0.05            | <0.05            | <0.05            | 2.3-13                                                                                 |
| Total Cyanide (CN)          | mg/kg | <1.0             | <1.0             | <1.0             | /                                                                                      |
| Acidity (pH values)         | /     | 7.4              | 5.6              | 6.5              | /                                                                                      |
| Soil Organic Matter         | %     | 1.8              | 3.4              | 2.7              | /                                                                                      |

\* Assumed as Total Cr minus CrVI

<sup>^</sup> Screening values shown in brackets are the screening values (for the phytotoxic metals) as given in the British Standard for Topsoil (BS3882:2015).

On the basis of the above laboratory analysis the existing topsoil (to the rear of Wealden House and the EDF Energy Offices) would be considered uncontaminated when compared to the Tier 1 screening values, and could be retained and re-used on site.

**Soil Type: Natural Soil**

| Contaminants                | Units | No of<br>Samples<br>Tested | Range   | Sample<br>Mean | Residential with<br>Home-grown<br>Produce<br>Consumption<br>Tier 1 Screening<br>Values |
|-----------------------------|-------|----------------------------|---------|----------------|----------------------------------------------------------------------------------------|
| Arsenic (As)                | mg/kg | 6                          | 7 – 25  | 13.4           | 37                                                                                     |
| Cadmium (Cd)                | mg/kg | 6                          | <0.2    | <0.2           | 11                                                                                     |
| Trivalent Chromium (CrIII)* | mg/kg | 6                          | 13 – 35 | 24.7           | 910                                                                                    |
| Hexavalent Chromium (CrVI)  | mg/kg | 6                          | <1.8    | <1.8           | 6                                                                                      |

| Contaminants         | Units | No of Samples Tested | Range           | Sample Mean | Residential with Home-grown Produce Consumption Tier 1 Screening Values |
|----------------------|-------|----------------------|-----------------|-------------|-------------------------------------------------------------------------|
| Lead (Pb)            | mg/kg | 6                    | 19 – <b>210</b> | 57.2        | 200                                                                     |
| Mercury (Hg)         | mg/kg | 6                    | <0.3            | <0.3        | 7.6-11                                                                  |
| Selenium (Se)        | mg/kg | 6                    | 1.3 – 1.8       | 1.6         | 250                                                                     |
| Nickel (Ni)          | mg/kg | 6                    | 6.4             | 15          | 130                                                                     |
| Copper (Cu)          | mg/kg | 6                    | 7.8 – 23        | 14.1        | 2,400                                                                   |
| Zinc (Zn)            | mg/kg | 6                    | 30 – 84         | 52.8        | 3,700                                                                   |
| Phenol               | mg/kg | 6                    | <1.0            | <1.0        | 120-380                                                                 |
| Benzo(a)pyrene (BaP) | mg/kg | 6                    | 0.42 – 0.47     | 0.4         | 1.7-2.4                                                                 |
| Naphthalene          | mg/kg | 6                    | <0.05           | <0.05       | 2.3-13                                                                  |
| Total Cyanide (CN)   | mg/kg | 6                    | <1.0            | <1.0        | /                                                                       |
| Acidity (pH values)  | /     | 6                    | 6.8 – 8.1       | 7.5         | /                                                                       |
| Soil Organic Matter  | %     | 6                    | 0.4 – 1.8       | 1.0         | /                                                                       |

\* Assumed as Total Cr minus CrVI

With the exception of a marginally elevated concentration of Lead in the sample taken from WLS102@0.55m, on the basis of the above laboratory analysis the shallow natural ground across the site would be considered uncontaminated when compared to the Tier 1 screening values.

### 31.3.2 Asbestos Containing Materials

No asbestos containing materials were visually identified in the exploratory holes during the intrusive site investigation works, or detected in the samples subject to laboratory analysis.

However, it should be noted that the exploratory holes are of small size relative to the area investigated and the investigation was constrained by the presence of buildings and services. Therefore, the samples obtained may not reflect the full composition of the soils on the site, and there is always the potential for pockets of asbestos or for asbestos containing materials to be present, which have not been detected in the sampling.

It is also our experience that asbestos containing materials are quite often encountered in buried pockets and beneath slabs (sometimes adhering to the concrete) on older sites. It is, therefore, advised that further examination is carried out in trial pits, when suitable access is available.

No assessment of the existing buildings has been made. It is understood that a survey of the buildings will be undertaken prior to their demolition.

### 31.3.3 Organic Contaminants

#### Petroleum hydrocarbons

Three samples of shallow soils from areas of the site where petroleum hydrocarbon may be present, were subject to laboratory analysis for such potential contamination. These samples comprised the natural soils from WLS105@0.5m which was located in the vicinity of the electricity substation, a sample of natural soils from WLS108@0.45m which was close to the location of the former above ground fuel storage tank, and a sample of the Made Ground from WLS09@0.5m located to the rear of the air conditioning plant.

No petroleum hydrocarbons above the laboratory limit of detection were found in these three samples.



### **Polychlorinated biphenyls (PCBs)**

PCBs were often used as cooling and insulating fluids for transformers and capacitors, therefore, the same three samples which were subject to analysis for petroleum hydrocarbons were also subject to analysis for PCBs.

No petroleum hydrocarbons above the laboratory limit of detection were found in these three samples.

## **32 Site Investigation – Waters**

The desk study did not identify any potential sources of groundwater contamination, so no groundwater investigation was undertaken.

## **33 Site Investigation - Gas**

The desk study did not identify any potential gas sources, so no gas investigation was undertaken. No significant sources of petroleum hydrocarbons have been identified during the investigation, however if areas are identified during any groundworks, such as during any remedial work around the below ground tank, then any vapour risk would need to be assessed at that time.

## **34 Summary of Identified Contamination**

On the basis of the site investigation works undertaken to date, the site is not considered to be generally contaminated; which would be in line with the findings of the desk study and previous intrusive site investigation works.

The concentrations of Lead and Benzo(a)pyrene in the sample of Made Ground taken from WLS103@0.5m bgl. would be considered elevated. This is in keeping with the results of the previous intrusive investigation works, which found that where Made Ground was present (mainly beneath current hardstanding), concentrations of PAHs were elevated. Given this contamination, and the physical composition of the made Ground, these soils would not be considered suitable for retention on site within garden and soft landscaped areas, but could remain beneath structures and other areas of hardstanding.

A slightly elevated concentration of Lead was also found in the sample of natural soil taken from WLS102@0.55m, which was just below the Made Ground. This trial hole is located within a proposed soft landscaped area. Assuming post development site level is to be around existing site level, and given the Made Ground will require removal from across this area as it will not constitute a suitable growing medium, the placement of around 500mm of clean soils will provide an adequate depth of cover with respect to the elevated concentration of Lead in this location.

The existing topsoil would appear to be suitable for re-use, however the practicalities of careful excavation, separation, storage and re-use on such a site may be difficult/impractical.

To date no ACMs have been visually identified in the exploratory holes, or detected in the samples subject to laboratory analysis. However, it should be noted that the exploratory holes are of small size relative to the area investigated and the investigation was constrained by the presence of buildings and services. Therefore, the samples obtained may not reflect the full composition of the soils on the site, and there is always the potential for pockets of asbestos or for asbestos containing materials to be present, which have not been detected in the sampling.

No organic contaminants (petroleum hydrocarbons or PCBs) have been found to date. However, investigation of the soils in the immediate vicinity of the potential sources of such contamination has been somewhat limited, due to the presence of the structures themselves (the electricity substation, the presence of buildings and the nature of the site surfacing/buried infrastructure).

## **35 Risk Evaluation**

The object of the risk evaluation is to assess the pollution linkages for specific contaminant groups considered in the conceptual model, identify any unacceptable risks and, therefore establish whether there is a need for further investigation and/or remedial action.

The risks are considered in the context of the specific development proposals for the site and, therefore, the conclusions may not be appropriate for alternative schemes.

### 35.1 Revised Conceptual Model

The preliminary site model has been refined in light of the findings of this investigation and is summarised below.

| Metals – Lead | Petroleum Hydrocarbons | PAHs | PCBs | Asbestos | Pathways                                                   | Receptors                            |
|---------------|------------------------|------|------|----------|------------------------------------------------------------|--------------------------------------|
| Y             | P                      | Y    | P    | P        | Ingestion and inhalation of contaminated soil and dust     | Human Health                         |
| Y             | P                      | Y    | P    | n/a      | Dermal contact with contaminated soil and dust             |                                      |
| n/a           | P                      | N    | n/a  | n/a      | Inhalation of vapours or gases                             |                                      |
| n/a           | P                      | Y    | P    | n/a      | Uptake into edible fruit and vegetables (n/a on this site) |                                      |
| N             | P                      | N    | P    | n/a      | Surface water run-off into surface water features          | Water Environment                    |
| N             | P                      | Y    | P    | n/a      | Migration through ground into surface water or groundwater |                                      |
| N             | P                      | Y    | P    | n/a      | Off-site migration of contaminated groundwater             |                                      |
| N             | N                      | N    | P    | n/a      | Vegetation on site growing in contaminated soil            | Flora and Fauna                      |
| N             | N                      | N    | n/a  | n/a      | Aquatic life in affected waters                            |                                      |
| n/a           | P                      | Y    | P    | n/a      | Contact with contaminated soils                            | Building materials / buried services |

Key:

- Y Pollutant linkage likely
- N Pollutant linkage not likely
- P Pollutant linkage possible
- n/a Pathway not applicable to contaminant

It should be noted that the identification of potential contaminant linkages does not indicate that they are significant. For those contaminant pollutant linkages identified within the revised conceptual site model, the overall level of risk has also been re-evaluated based on the UK CIRIA C552 approach (see Appendix I for details).

For each of the pollutant linkages, an estimate is made of the potential consequence of the risk; and the probability of the risk occurring; in order to give an overall classification of risk, as per the table below.

| Contaminant                             | Pathways                                               | Receptors                 | Risk     | Risk Score |
|-----------------------------------------|--------------------------------------------------------|---------------------------|----------|------------|
| Metals (Lead) & PAHs in the Made Ground | Ingestion and inhalation of contaminated soil and dust | Human Health              | Moderate | 9          |
|                                         | Dermal contact with contaminated soil and dust         |                           | Moderate | 9          |
|                                         | Uptake into edible fruit and vegetables                |                           | Moderate | 9          |
|                                         | Vegetation on site growing in contaminated soil        | Flora and Fauna           | Low      | 4          |
|                                         | Contact with contaminated soils                        | Infrastructure/Structures | Very Low | 3          |
| Asbestos Containing Materials           | Inhalation of contaminated dust                        | Human Health              | Low      | 6          |
| Petroleum Hydrocarbons                  | Ingestion and inhalation of contaminated soil and dust | Human Health              | Low      | 6          |
|                                         | Dermal contact with contaminated soil and dust         |                           | Low      | 6          |
|                                         | Inhalation of vapours or gases                         |                           | Low      | 6          |
|                                         | Contact with contaminated soils                        | Infrastructure/Structures | Very Low | 3          |
| PCBs                                    | Ingestion and inhalation of contaminated soil and dust | Human Health              | Low      | 6          |
|                                         | Dermal contact with contaminated soil and dust         |                           | Low      | 6          |

The intrusive site works have found elevated concentrations of Lead and PAH's on site, and therefore the risk to Human Health receptors has been reclassified from Very Low to Moderate. The risk to Flora and Fauna has been classified as Low, whilst the risk to infrastructure has been reclassified as Very Low, given the depth of the Made Ground means that services will likely be laid well below this material.

No ACMs, or measurable concentrations of Petroleum Hydrocarbons or PCB's have been found during the intrusive site investigation works. On this basis the risks are considered Low. However, should such contaminants be encountered during demolition and site clearance works, the risks could be significant.

## 35.2 Relevant Pollutant Linkages

A number of Relevant Pollutant Linkages for which remedial action will be required have been identified in the revised conceptual model, as follows.

| Contaminant / Source        | Pathways                       | Receptor                                      |
|-----------------------------|--------------------------------|-----------------------------------------------|
| Lead & PAH's in Made Ground | Soil/dust dermal exposure      | Site/construction workers<br>Future residents |
|                             | Soil/dust ingestion/inhalation | Site/construction workers<br>Future residents |
|                             | Direct Contact                 | Structures/services                           |

Potential pollutant linkages have been identified for ACMs and organic contaminants (petroleum hydrocarbons or PCBs).

The extent of any petroleum hydrocarbon contamination will need to be fully established. This is best done in conjunction with the site clearance works/demolition. At this stage allowance for some contaminated soils to be present in these areas should be made.

Further investigation is also required to assess the potential presence of PCBs around the substations on site. Once again, this would be best undertaken when site/vegetation clearance has been undertaken and utilities disconnected.

The soils beneath the building (and within their structure) and associated infrastructure has not been established; along with any contamination.

## 36 Soil Waste Management

### 36.1 Re-use of Soils

It is anticipated that the arisings from groundworks on this site will comprise topsoil, Made Ground and natural soils.

Clean natural arisings from groundworks may be re-used on site without further testing, where there is a definite use for such materials, e.g. raising levels or construction of landscaping layers or bunds as set out in the approved plans for the development.

Treated contaminated soils may be reused on site under an appropriate Materials Management Plan, where certain criteria are met, in accordance with the CL:AIRE Definition of Waste Code of Practice, Ref [24].

### 36.2 Disposal of Soils

Some soils will require removal from site and disposal to suitably licensed landfills. Different guidelines and charges will apply to different waste classifications. As waste producers, the Developer holds responsibilities under the various governing regulations, particularly the Waste Duty of Care Code of Practice under the Environmental Protection Act 1990, Ref [25].

The chemical analyses appended to this report can be used to inform the initial classification of the soils as either Hazardous or Non-Hazardous, and derive the appropriate EWC code, for offsite disposal or transfer. Waste Acceptance Criteria (WAC) testing may be needed for confirmation of the material's classification, and will be required to demonstrate an inert classification.

There are strict requirements in place for the accurate description of wastes using EWC codes and, therefore, it is essential that materials that would be given different descriptions (e.g. blacktop, made ground and natural soils), as well as those with different classifications, are carefully segregated during excavation and storage on site. This will also ensure the most cost effective disposal. Mixing these materials can give rise to significant difficulties in disposal and also substantially increase costs.

Soil arisings may be transferred to other development sites under a Materials Management Plan, where certain criteria are met, in accordance with the CL:AIRE Definition of Waste Code of Practice Ref [24].

All soils leaving site will need to be pre-treated. Waste minimisation by selective excavation is a recognised form of pre-treatment.

## 37 Discussion and Conclusions

On the basis of the contamination laboratory test results to date, with the exception of a hotspot of Lead and more general PAH contamination within the Made Ground, and taking into consideration the physical composition of the Made Ground, it is recommended that these soils be removed from all private garden and soft landscaped areas, down to the underlying natural soils. Natural site-won soils, from foundation/drainage excavations etc. could be used to make up levels, allowing for the placement of a minimum depth of 150mm of certified clean topsoil.

The existing topsoil on site is considered suitable for reuse in private garden and soft landscaped areas. However, given its volume, the practicalities of careful excavation, separation, and storage during redevelopment of the site; importation of topsoil is likely to be required. Any imported soils must be certified clean and suitable for the intended purpose. It would be recommended that any site-won topsoil stockpiles be re-tested to confirm suitability for reuse.

The made ground soils are suitable to remain on site beneath proposed building and hardstanding areas (roads, car parking etc).

An allowance should be made for the further investigation, and potentially local excavation and removal of petroleum hydrocarbon affected soils around former tanks, generators and related infrastructure. These works will need to be validated at that stage.

Further investigation is required beneath the substations for any PCB contamination, once these features have been decommissioned and access is available.

Organic contaminants present in some of the soils, particularly PAH's and petroleum hydrocarbons, could affect plastic underground service pipes (such as the types used by water and gas supply companies). Guidance should be sought from the relevant companies regarding any proposed plant in the affected area. Many water supply companies now require higher specification pipe on contaminated sites, even following remediation.

An historical well was mapped on site. This location should be the subject of investigation and/or formal decommissioning.

As with any site, areas of contamination not identified during site investigation works may come to light in the course of redevelopment. Accordingly, a discovery strategy must be in place during the redevelopment to ensure that any hitherto unknown contamination is identified and dealt with in an appropriate manner. Depending on the nature of any such contamination, it may prove necessary to reassess the remedial strategy for the site. This is especially the case for the area beneath the existing buildings and around the buried tank structure.

A formal remediation strategy and verification plan should be agreed with the regulatory authorities prior to commencement of any remedial works.

## 38 General Guidance

Allowance should be made for experienced verification of any remedial works.

It may be that specific local requirements apply to this site, of which we are not aware at this time.

In general terms, the workforce and general public should be protected from contact with contaminated material. There is a range of relevant documents published by the Health and Safety Executive, and organisations such as CIRIA, and the BRE.

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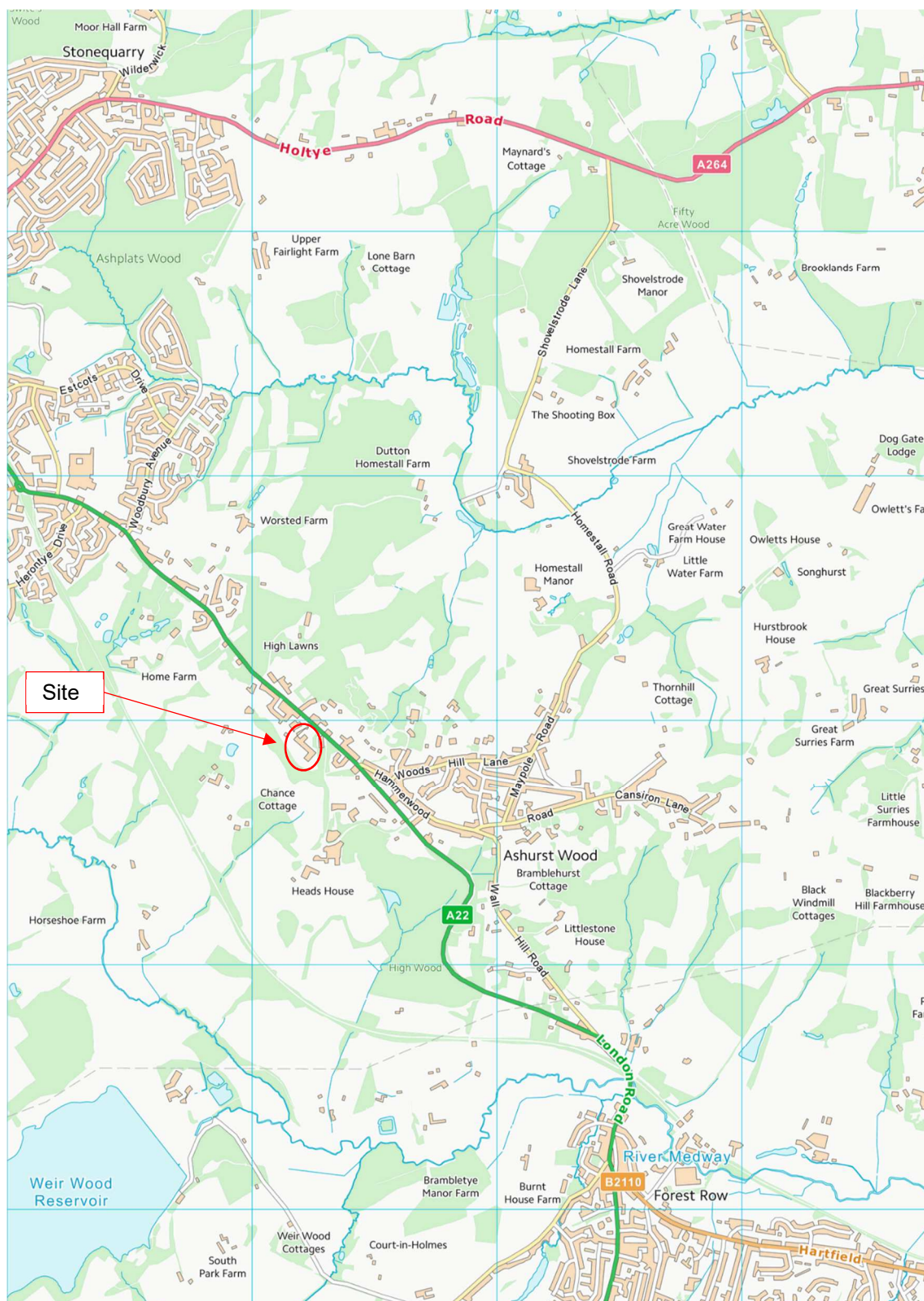
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A collage of six images related to geotechnical engineering. Top left: A large white pipe and a colorful soil profile map. Top middle: A close-up of a soil sample in a sieve. Top right: A pressure gauge attached to a soil sample. Middle left: A worker in a high-visibility vest operating a piece of machinery. Middle right: A red truck with 'Southern' on the side, parked next to several large metal drums. Bottom right: A person's hands holding a small container of soil.

## APPENDIX A

### Site Plans and Exploratory Hole Logs





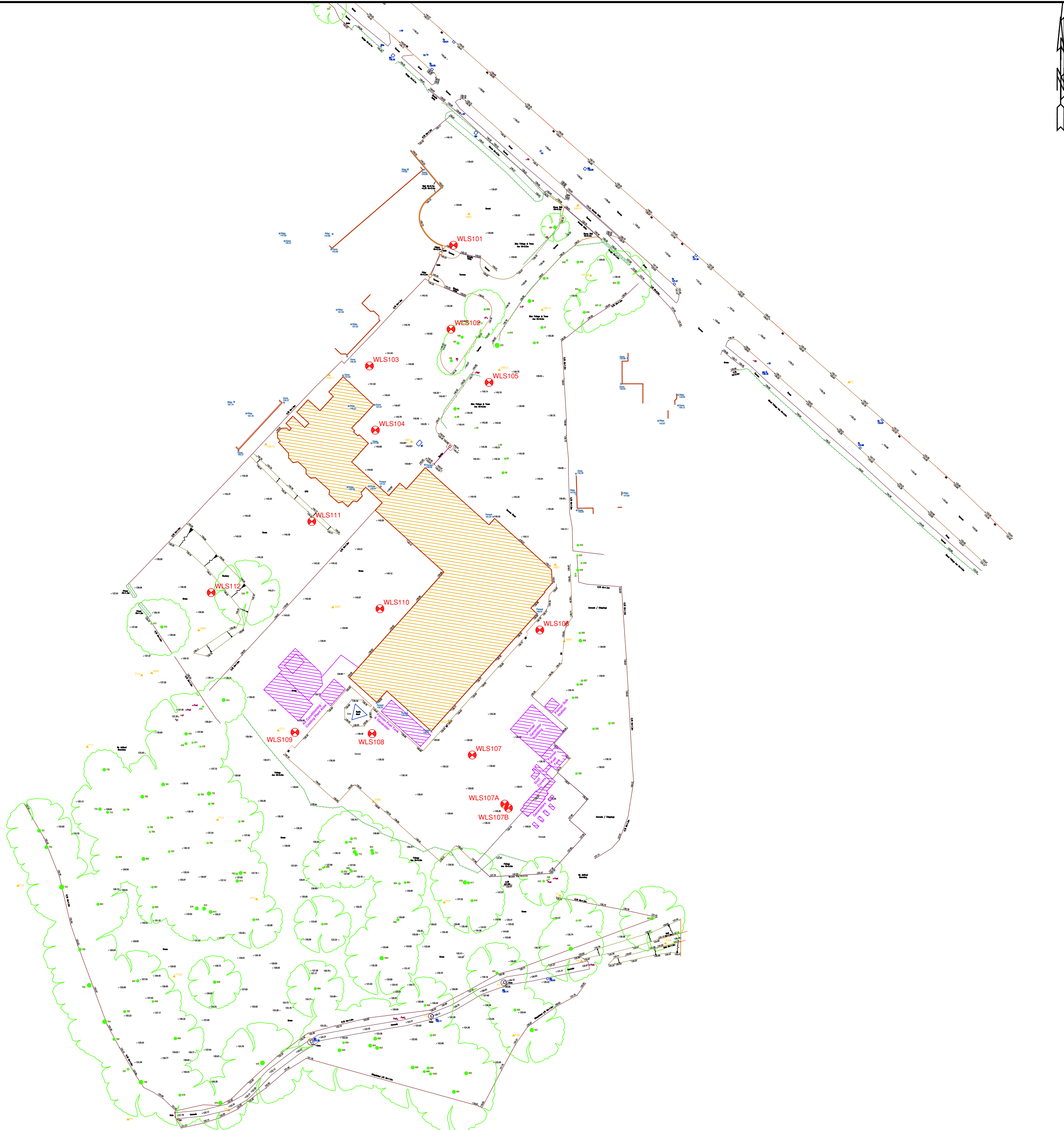
Contains Ordnance Survey Data © Crown Copyright and Database Right 2024

|          |                                                     |            |            |
|----------|-----------------------------------------------------|------------|------------|
| Site:    | Wealden House, Lewes Road, East Grinstead, RH19 3TB | Project ID | J15778     |
| Figure 1 | Site Location Plan                                  | Date:      | 05/08/2024 |









Indicative Only

NOTES

Base drawing (AG/1710036/1, 03/18) prepared by CD Surveys Ltd.  
Proposed Site Plan (2053\_53, 05/24) provided by Octagon Developments Ltd.  
Windowless Sampler and Trial Pit locations added by Southern Testing.  
Exploratory hole positions are only indicative unless dimensioned.  
 Historical detailed added by Southern Testing.

| Revisions: |      |         |
|------------|------|---------|
|            |      |         |
|            |      |         |
|            |      |         |
|            |      |         |
|            |      |         |
|            |      |         |
| REV        | DATE | DETAILS |



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**Client:**  
Octagon Developments Ltd

**Job Title:**  
Wealden House

**Description:**  
Ground Investigation Layout  
Topographic Survey Overlay

**Drawing No:**  
Figure 2A

| Drawing Status:  |                 |
|------------------|-----------------|
| Scale: 1:500     | Paper Size: A1  |
| Drawn by: DS     | Checked by: SKT |
| Date: 05 08 2024 |                 |





Indicative Only

**NOTES**  
Base drawing (AG/1710036/1, 03/18) prepared by CD Surveys Ltd.  
Proposed Site Plan (2053\_53, 05/24) provided by Octagon Developments Ltd.  
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| Revisions: |         |
|------------|---------|
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|            |         |
|            |         |
| REV        | DATE    |
|            | DETAILS |



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**Client:**  
Octagon Developments Ltd

**Job Title:**  
Wealden House

**Description:**  
Ground Investigation Layout  
Topographic & Proposed Overlay

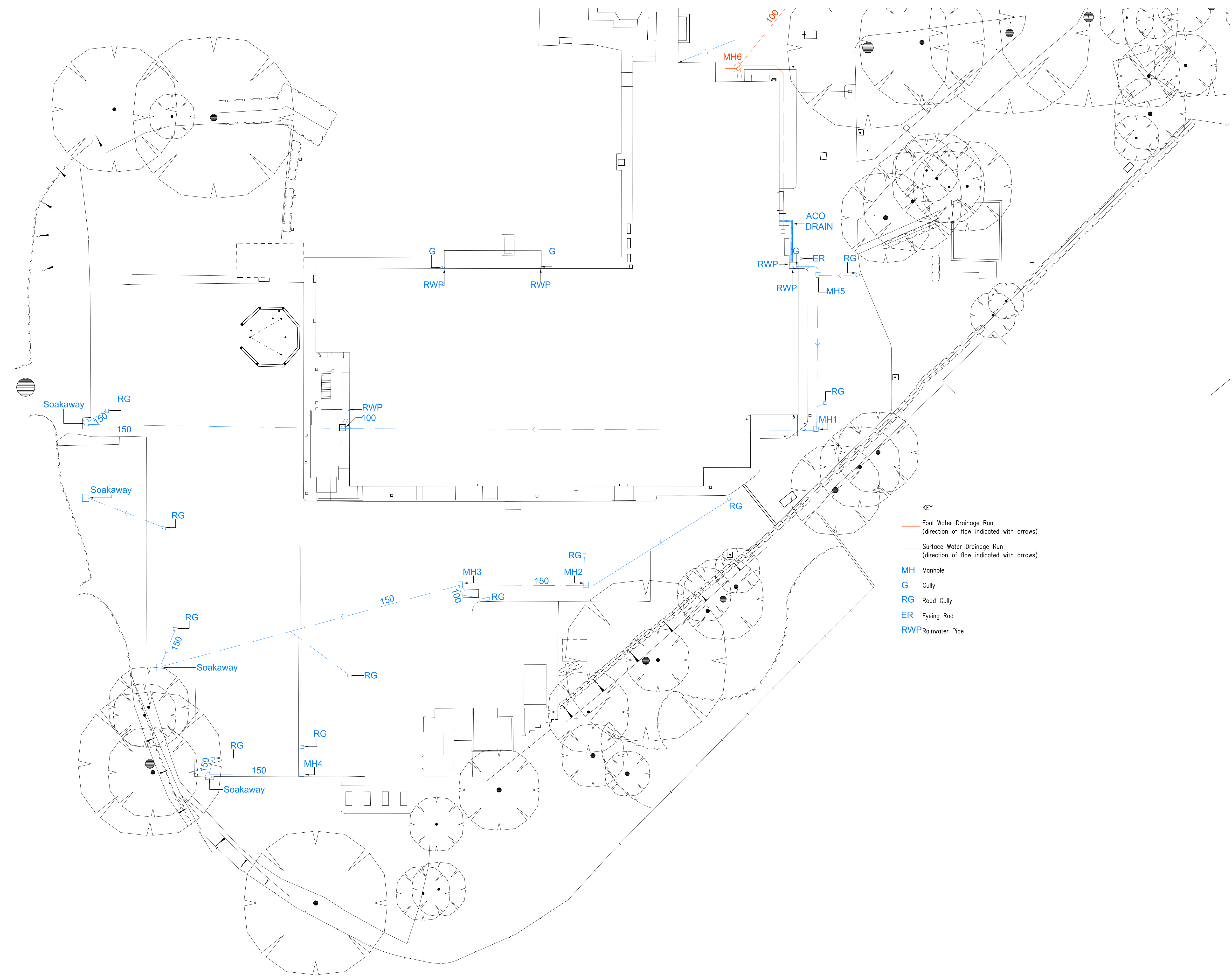
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Figure 2B

| Drawing Status:  |                 |
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| Drawn by: DS     | Checked by: SKT |
| Date: 05 08 2024 |                 |









**NOTES:**

**REVISIONS:**

**PROJECT:**  
Car Park Resurfacing

**SITE:**  
Wealden House,  
East Grinstead

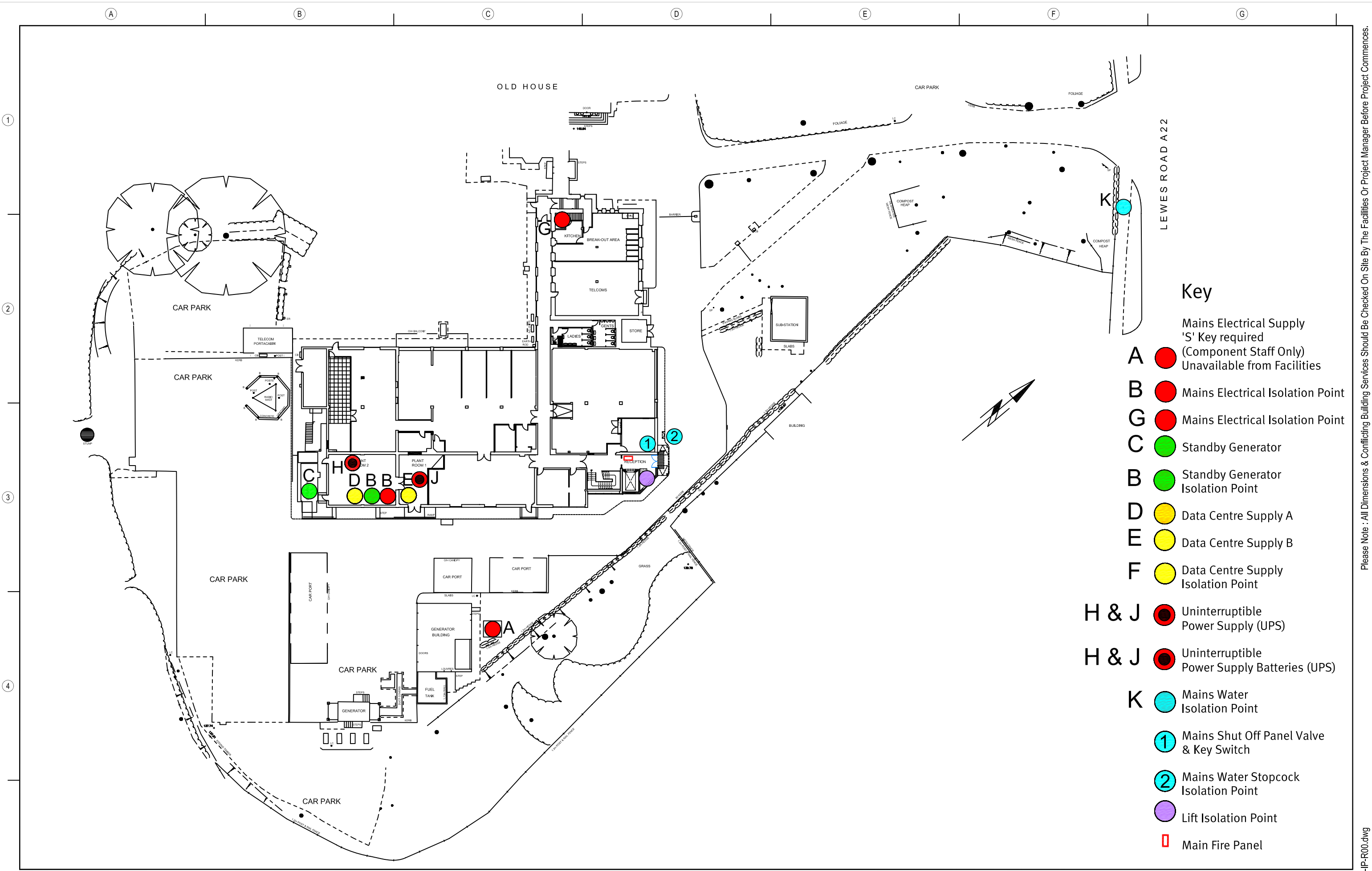
**CLIENT:**



PROPERTY SERVICES  
ENERGY HOUSE  
HAZELWICK AVENUE  
CRAWLEY  
WEST SUSSEX  
RH10 1EX  
01293 657525

**DRAWING TITLE:**  
Existing Drainage Plan

| DATE           | SCALE    | DRAWN BY    |
|----------------|----------|-------------|
| Apr 2010       | 1:200@A1 | JLW         |
| WEA.539.ENV.01 |          | <b>REV.</b> |



Key

- Mains Electrical Supply 'S' Key required (Component Staff Only) Unavailable from Facilities
- A Mains Electrical Isolation Point
- B Mains Electrical Isolation Point
- G Mains Electrical Isolation Point
- C Standby Generator
- B Standby Generator Isolation Point
- D Data Centre Supply A
- E Data Centre Supply B
- F Data Centre Supply Isolation Point
- H & J Uninterruptible Power Supply (UPS)
- H & J Uninterruptible Power Supply Batteries (UPS)
- K Mains Water Isolation Point
- 1 Mains Shut Off Panel Valve & Key Switch
- 2 Mains Water Stopcock Isolation Point
- Lift Isolation Point
- Main Fire Panel

| Revision | Date | Description | By |
|----------|------|-------------|----|
|          |      |             |    |



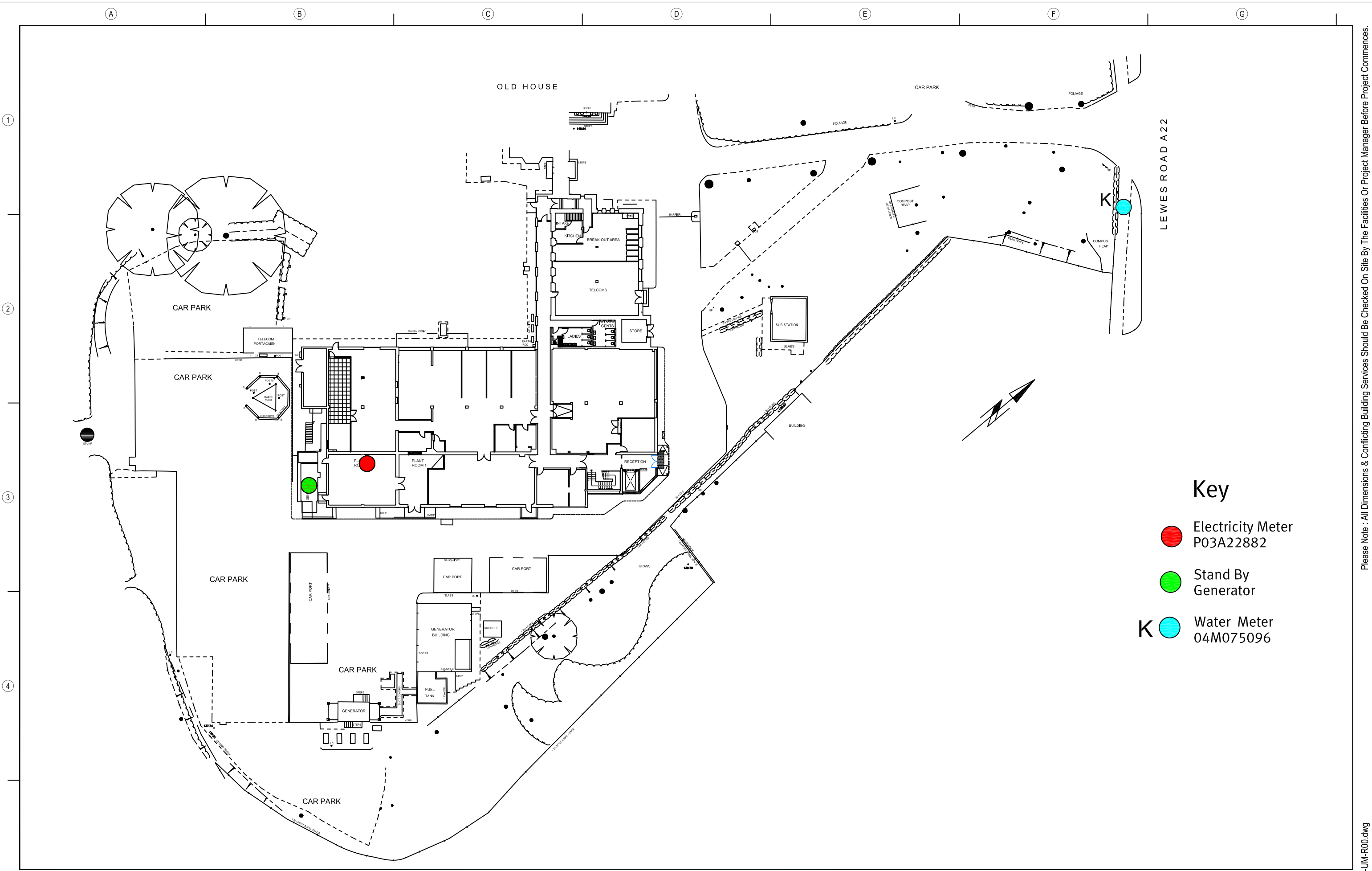
For  
**EDF Energy**  
Property Services

Site  
Wealden Hse  
Lewes Road East Grinstead  
West Sussex RH19 3TB

Project  
Wealden Hse  
Isolation Points  
Site Plan

|                              |                           |
|------------------------------|---------------------------|
| Date<br>18/05/2010           | Scale (At A3)<br>1:500@A3 |
| Drawn<br>KMW                 | Revision                  |
| Dwg.No.<br>WEA-ALL-TS-IP-R00 |                           |





**Key**

-  Electricity Meter  
P03A22882
-  Stand By  
Generator
- K**  Water Meter  
04M075096

|                                                                                                                                                             |            |               |          |                                                                                 |  |                                                               |  |                                                                                                                                                                                                                                    |      |            |               |          |       |     |          |  |                              |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------|----------|---------------------------------------------------------------------------------|--|---------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------|---------------|----------|-------|-----|----------|--|------------------------------|--|--|--|
| <div><div></div><div><b>EDF Energy</b><br/>Property Services</div></div> |            |               |          | <b>Site</b><br>Wealden Hse<br>Lewes Road East Grinstead<br>West Sussex RH19 3TB |  | <b>Project</b><br>Wealden Hse<br>Meter Locations<br>Site Plan |  | <table border="1"><tr><td>Date</td><td>18/05/2010</td><td>Scale (At A3)</td><td>1:500@A3</td></tr><tr><td>Drawn</td><td>KMW</td><td>Revision</td><td></td></tr><tr><td colspan="4">Dwg.No.<br/>WEA-ALL-TS-UM-R00</td></tr></table> | Date | 18/05/2010 | Scale (At A3) | 1:500@A3 | Drawn | KMW | Revision |  | Dwg.No.<br>WEA-ALL-TS-UM-R00 |  |  |  |
| Date                                                                                                                                                        | 18/05/2010 | Scale (At A3) | 1:500@A3 |                                                                                 |  |                                                               |  |                                                                                                                                                                                                                                    |      |            |               |          |       |     |          |  |                              |  |  |  |
| Drawn                                                                                                                                                       | KMW        | Revision      |          |                                                                                 |  |                                                               |  |                                                                                                                                                                                                                                    |      |            |               |          |       |     |          |  |                              |  |  |  |
| Dwg.No.<br>WEA-ALL-TS-UM-R00                                                                                                                                |            |               |          |                                                                                 |  |                                                               |  |                                                                                                                                                                                                                                    |      |            |               |          |       |     |          |  |                              |  |  |  |
| Revision                                                                                                                                                    | Date       | Description   | By       |                                                                                 |  |                                                               |  |                                                                                                                                                                                                                                    |      |            |               |          |       |     |          |  |                              |  |  |  |

FILE : WEA-ALL-TS-UM-R00.dwg

Please Note : All Dimensions & Conflicting Building Services Should Be Checked On Site By The Facilities Or Project Manager Before Project Commences.



### Key to Exploratory Hole Logs, Plans and Sections

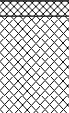
| Backfill Symbols |                                                                                   | Pipe Symbols   |                                                                                   | Principal Soil Types |                                                                                   | Principal Rock Types |                                                                                     | Drilling Records                    |                                                                                     |
|------------------|-----------------------------------------------------------------------------------|----------------|-----------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------|
| Arisings         |  | Plain Pipe     |  | Topsoil              |  | Mudstone             |  | Water Strike                        |  |
| Concrete         |  | Slotted Pipe   |  | Made Ground          |  | Claystone            |  | Depth Water Rose                    |  |
| Blacktop         |  | Piezometer     |  | Clay                 |  | Siltstone            |  | Total Core Recovery (%) [TCR]       |                                                                                     |
| Bentonite        |  | Piezometer Tip |  | Silt                 |  | Sandstone            |  | Solid Core Recovery (%) [SCR]       |                                                                                     |
| Gravel Filter    |  | Filter Tip     |  | Sand                 |  | Limestone            |  | Rock Quality Index (%) RQD]         |                                                                                     |
| Sand Filter      |  | Extensometer   |  | Gravel               |  | Chalk                |  | Fracture Index (fractures / m) [FI] |                                                                                     |
|                  |                                                                                   | Inclinometers  |  | Peat                 |  |                      |                                                                                     |                                     |                                                                                     |

All soil and rock descriptions are in general accordance with BS5930 2015, BS EN ISO 14688-1:2002+A1:2013 and BS EN ISO 14689-1:2003. Chalk descriptions are also based on CIRIA C574 and "Logging the Chalk – R.N. Mortimer 2015". The Geology Code is only provided where a positive identification of the sample strata has been made.

| Location / Method Identifiers |                                                        | In-situ Test Location / Method |                                                                      |
|-------------------------------|--------------------------------------------------------|--------------------------------|----------------------------------------------------------------------|
| BH                            | Borehole (undefined)                                   | DP                             | Dynamic Probe                                                        |
| CP                            | Cable Percussive                                       | CPT                            | Cone Penetration Test                                                |
| RC                            | Rotary Core                                            | CBR                            | In-situ CBR Test                                                     |
| RO                            | Rotary Open Hole                                       | DCP                            | CBR using Dynamic Cone Penetrometer                                  |
| ODC                           | Rotary ODEX/Symmetrix drilling cased                   | CBRT                           | CBR using TRL Probe                                                  |
| CP+RC                         | Cable Percussive to Rotary Core                        | PB                             | Plate Bearing Test                                                   |
| SNC                           | Sonic                                                  | SPT (S)                        | Standard Penetration Test (Split Barrel Sampler)                     |
| CFA                           | Continuous Flight Auger                                | SPT (C)                        | Standard Penetration Test (Solid Cone )                              |
| FA                            | Flight Auger                                           | N                              | SPT Result                                                           |
| VC                            | Vibro Core                                             | -/-                            | Blows/Penetration (mm) after seating drive                           |
| WLS+RC                        | Windowless (Dynamic) Sampler to Rotary Core            | -*/-                           | Total Blows / Penetration (mm)                                       |
| WLS                           | Windowless Sampler                                     | ( )                            | Extrapolated Value                                                   |
| WS                            | Window Sampler                                         | PPT                            | Perth Penetration (In-House Method - Equivalent N Value)             |
| HA                            | Hand Auger                                             | HP / UCS                       | Strength from Hand Penetrometer (kN/m <sup>2</sup> )                 |
| C                             | Road / Pavement Core                                   | IVN                            | Strength from Hand Vane ((kN/m <sup>2</sup> ) P = peak, R = residual |
| IP                            | Inspection Pit (Hand Excavation)                       | PID                            | Photo Ionisation Detector (ppm)                                      |
| TP                            | Trial Pit (Machine Excavated)                          | MEXE                           | Mexi-Cone CBR (%)                                                    |
| OP                            | Observation Pit (Supported Excavation Hand or Machine) |                                |                                                                      |

| Samples / Test Type |                              |
|---------------------|------------------------------|
| B                   | Bulk Sample                  |
| BLK                 | Block Sample                 |
| C                   | Core Sample                  |
| CBRS                | CBR Mould Sample             |
| D                   | Small Disturbed Sample       |
| ES                  | Environmental Sample (Soil)  |
| EW                  | Environmental Sample (Water) |
| GS                  | Environmental Sample (Gas)   |

| Samples / Test Type |                                                         |
|---------------------|---------------------------------------------------------|
| SPTLS               | Standard Penetration Test Split Barrel Sample           |
| TW                  | Thin Wall Push In Sample (e.g. Shelby Sampler)          |
| U                   | Undisturbed Open Drive Sample (blows to take)           |
| UT                  | Thin Wall Undisturbed Open Drive Sample (blows to take) |
| W                   | Water Sample (Geotechnical)                             |
| SP                  | Sample from Stockpile                                   |
| P                   | Piston Sample                                           |
| AMAL                | Amalgamated Sample                                      |

|                                                                                             |               |                            |           |                                    |                          |                   |                     |                                                                                    |                                                                                                                                    |            |                                                                         |              |  |
|---------------------------------------------------------------------------------------------|---------------|----------------------------|-----------|------------------------------------|--------------------------|-------------------|---------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------|--------------|--|
| <div></div> |               |                            |           |                                    |                          | Start - End Date: |                     | Project ID:                                                                        |                                                                                                                                    | Hole Type: |                                                                         | WLS101       |  |
|                                                                                             |               |                            |           |                                    |                          | 18/07/2024        |                     | J15778                                                                             |                                                                                                                                    | WLS        |                                                                         | Sheet 1 of 1 |  |
| Client:                                                                                     |               | Octagon Developments Ltd.  |           |                                    |                          |                   | Co-ordinates:       |                                                                                    | Level (m AOD)                                                                                                                      |            | Logger:                                                                 |              |  |
|                                                                                             |               |                            |           |                                    |                          |                   | E 541236 - N 136951 |                                                                                    | 140.11                                                                                                                             |            | SKT                                                                     |              |  |
| Project Name:                                                                               |               | Wealden House              |           |                                    |                          |                   | Location:           |                                                                                    | Lewes Road, East Grinstead, West Sussex, RH19 3TB                                                                                  |            |                                                                         |              |  |
| Well                                                                                        | Water Strikes | Samples and Insitu Testing |           |                                    | Progress                 | Depth (m)         | Level (m AOD)       | Legend                                                                             | Stratum Description                                                                                                                |            |                                                                         |              |  |
|                                                                                             |               | Depth (m)                  | Type/Fl   | Results                            | Runs                     |                   |                     |                                                                                    |                                                                                                                                    |            |                                                                         |              |  |
|            |               | 0.05                       |           |                                    |                          | 0.05              | 140.06              |  | Blacktop site surfacing (car park).<br>MADE GROUND                                                                                 |            | <div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div></div> |              |  |
|                                                                                             |               | 0.20                       | ES        |                                    |                          |                   | (0.35)              |                                                                                    | Recovered as red fine to coarse occasionally cobble size brick and yellow concrete in a silty/sand matrix.<br>MADE GROUND          |            |                                                                         |              |  |
|                                                                                             |               | 0.55                       | ES        |                                    |                          | 0.40              | 139.71              |  | Soft dark grey silty CLAY.                                                                                                         |            |                                                                         |              |  |
|                                                                                             |               |                            |           |                                    | 0.50                     | (0.10)            | 139.61              |  |                                                                                                                                    |            |                                                                         |              |  |
|                                                                                             |               | 1.00                       | SPT       | N=6 (1,1/2,1,1,2)                  |                          |                   | (0.70)              |  | Soft yellowish-orangish brown mottled light grey SILT/CLAY with black iron staining and ironstone gravel.<br>GRINSTEAD CLAY MEMBER |            |                                                                         |              |  |
|                                                                                             |               | 1.50                       | ES<br>HP  | UCS(kPa)=170                       |                          | 1.20              | 138.91              |  | Firm becoming very stiff with depth yellowish-brown mottled light grey silty CLAY.<br>GRINSTEAD CLAY MEMBER                        |            |                                                                         |              |  |
|                                                                                             |               | 2.00                       | HP<br>SPT | UCS(kPa)=200<br>N=8 (1,1/1,2,2,3)  |                          |                   | (2.25)              |  | 40mm band extremely weak thickly laminated to thinly bedded mudstone at 2.7m                                                       |            |                                                                         |              |  |
|                                                                                             |               | 2.50                       | D<br>HP   | UCS(kPa)=300                       |                          |                   |                     |  |                                                                                                                                    |            |                                                                         |              |  |
|                                                                                             |               | 3.00                       | HP<br>SPT | UCS(kPa)=320<br>N=18 (1,3/3,4,5,6) |                          |                   |                     |  |                                                                                                                                    |            |                                                                         |              |  |
|                                                                                             |               |                            |           |                                    |                          | 3.45              | 136.66              |  | End of Borehole at 3.45m                                                                                                           |            |                                                                         |              |  |
| Remarks:                                                                                    |               |                            |           |                                    |                          |                   |                     |                                                                                    |                                                                                                                                    |            |                                                                         |              |  |
| Hand dug to 1.0m<br>Dry on completion.                                                      |               |                            |           |                                    |                          |                   |                     |                                                                                    |                                                                                                                                    |            |                                                                         |              |  |
| Status:                                                                                     |               | FINAL                      |           |                                    | Log Print Date and Time: |                   | 09/08/2024 10:39    |                                                                                    | Log Approved By:                                                                                                                   |            | JNR                                                                     |              |  |

|                                                                                  |                   |             |            |              |
|----------------------------------------------------------------------------------|-------------------|-------------|------------|--------------|
|  | Start - End Date: | Project ID: | Hole Type: | WLS101       |
|                                                                                  | 18/07/2024        | J15778      | WLS        | Sheet 1 of 1 |

| Depth Related Hole Information |                |           |            |            |      |                  |            |           |                |
|--------------------------------|----------------|-----------|------------|------------|------|------------------|------------|-----------|----------------|
| Top Depth (m)                  | Base Depth (m) | Hole Type | Start Date | End Date   | Crew | Plant Used       | Contractor | Logged By | Remarks        |
| 0.00                           | 3.45           | WLS       | 18/07/2024 | 18/07/2024 | STL  | Rotary Prem. Rig |            | SKT       | Hand dug to 1m |

| Hole Diameter      |                   |         | Casing Diameter      |                   |         |
|--------------------|-------------------|---------|----------------------|-------------------|---------|
| Hole Diameter (mm) | Depth to Base (m) | Remarks | Casing Diameter (mm) | Depth to Base (m) | Remarks |
| 101                | 2.00              |         |                      |                   |         |
| 101                | 3.00              |         |                      |                   |         |

| Dynamic Sample Drill Run Information |               |                |          |                    |                     |         |
|--------------------------------------|---------------|----------------|----------|--------------------|---------------------|---------|
| Run No.                              | Top Depth (m) | Base Depth (m) | Duration | Hole Diameter (mm) | Sample Recovery (%) | Remarks |
|                                      |               |                |          |                    |                     |         |

| Project Specific Time Related Remarks |               |          |         | Drilling Progress by Time |           |                  |                 |         |
|---------------------------------------|---------------|----------|---------|---------------------------|-----------|------------------|-----------------|---------|
| Date Time Start                       | Date Time End | Duration | Remarks | Date Time                 | Depth (m) | Casing Depth (m) | Water Depth (m) | Remarks |
|                                       |               |          |         |                           |           |                  |                 |         |

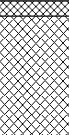
| SPT           |           |                  |                 |                              |                           |                   |                |         |
|---------------|-----------|------------------|-----------------|------------------------------|---------------------------|-------------------|----------------|---------|
| Top Depth (m) | Test Type | Casing Depth (m) | Water Depth (m) | Self Weight Penetration (mm) | Reported Result (N Value) | Hammer Serial No. | Energy Ratio % | Remarks |
| 1.00          | S         |                  |                 |                              | N=6 (1,1/2,1,1,2)         | RP11075           | 78             |         |
| 2.00          | S         |                  |                 |                              | N=8 (1,1/1,2,2,3)         | RP11075           | 78             |         |
| 3.00          | S         |                  |                 |                              | N=18 (1,3/3,4,5,6)        | RP11075           | 78             |         |

| Water Strikes and Details |           |                  |                  |         |                     |                 |         |
|---------------------------|-----------|------------------|------------------|---------|---------------------|-----------------|---------|
| Depth Strike (m)          | Date Time | Depth Casing (m) | Depth Sealed (m) | Remarks | Time Elapsed (mins) | Water Depth (m) | Remarks |
|                           |           |                  |                  |         |                     |                 |         |

| Installation Details |            |      |                          |                           |           | Pipe Construction |               |                |               |           |
|----------------------|------------|------|--------------------------|---------------------------|-----------|-------------------|---------------|----------------|---------------|-----------|
| Distance             | Point Ref. | Type | Top of Response Zone (m) | Base of Response Zone (m) | Pipe Ref. | Pipe Reference    | Depth Top (m) | Depth Base (m) | Diameter (mm) | Pipe Type |
|                      |            |      |                          |                           |           |                   |               |                |               |           |

| Backfill Details |            |          |         |
|------------------|------------|----------|---------|
| Depth Top        | Depth Base | Material | Remarks |
| 0.00             | 3.00       | Arisings |         |

|         |       |                          |                  |                  |     |
|---------|-------|--------------------------|------------------|------------------|-----|
| Status: | FINAL | Log Print Date and Time: | 09/08/2024 10:39 | Log Approved By: | JNR |
|---------|-------|--------------------------|------------------|------------------|-----|

|                                                                                             |                |                                     |                 |                                    |          |                                                                                    |                            |                                                                                    |                                                                                                                                                                                          |              |   |
|---------------------------------------------------------------------------------------------|----------------|-------------------------------------|-----------------|------------------------------------|----------|------------------------------------------------------------------------------------|----------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---|
| <div></div> |                |                                     |                 | Start - End Date:                  |          | Project ID:                                                                        |                            | Hole Type:                                                                         |                                                                                                                                                                                          | WLS102       |   |
|                                                                                             |                |                                     |                 | 18/07/2024                         |          | J15778                                                                             |                            | WLS                                                                                |                                                                                                                                                                                          | Sheet 1 of 1 |   |
| Client:                                                                                     |                | Octagon Developments Ltd.           |                 |                                    |          | Co-ordinates:                                                                      |                            | Level (m AOD)                                                                      |                                                                                                                                                                                          | Logger:      |   |
|                                                                                             |                |                                     |                 |                                    |          | E 541236 - N 136931                                                                |                            | 140.32                                                                             |                                                                                                                                                                                          | SKT          |   |
| Project Name:                                                                               |                | Wealden House                       |                 |                                    |          | Location:                                                                          |                            | Lewes Road, East Grinstead, West Sussex, RH19 3TB                                  |                                                                                                                                                                                          |              |   |
| Well                                                                                        | Water Strikes  | Samples and Insitu Testing          |                 |                                    | Progress | Depth (m)                                                                          | Level (m AOD)              | Legend                                                                             | Stratum Description                                                                                                                                                                      |              |   |
|                                                                                             |                | Depth (m)                           | Type/Fl         | Results                            | Runs     |                                                                                    |                            |                                                                                    |                                                                                                                                                                                          |              |   |
|            |                | 0.05                                |                 |                                    |          | 0.05                                                                               | 140.27                     |  | Blacktop site surfacing (car park).<br>MADE GROUND<br>Recovered as pink-grey fine to coarse sub-angular to sub-rounded limestone in sandy matrix with rare brick cobbles.<br>MADE GROUND |              |   |
|                                                                                             |                |                                     |                 |                                    |          |                                                                                    |                            |                                                                                    |                                                                                                                                                                                          |              |   |
|                                                                                             |                | 0.55                                | ES              | UCS(kPa)=150<br>N=6 (1,1/1,1,2,2)  |          | 0.50<br>0.60                                                                       | 139.82<br>(0.10)<br>139.72 |  | Recovered as friable yellowish-brown SILT.<br>Soft becoming very stiff with depth, yellowish-orange mottled light grey silty CLAY.<br>GRINSTEAD CLAY MEMBER                              |              |   |
|                                                                                             |                |                                     |                 |                                    |          |                                                                                    |                            |                                                                                    |                                                                                                                                                                                          |              |   |
|                                                                                             |                | 1.00                                | D<br>HP<br>SPT  |                                    |          |                                                                                    |                            |  | Extremely thickly laminated ironstone bands from 1.3-1.4m.                                                                                                                               |              | 1 |
|                                                                                             |                |                                     |                 |                                    |          |                                                                                    |                            |                                                                                    |                                                                                                                                                                                          |              |   |
|                                                                                             |                | 1.50                                | HP              | UCS(kPa)=300                       |          |                                                                                    |                            |  |                                                                                                                                                                                          |              |   |
|                                                                                             |                |                                     |                 |                                    |          |                                                                                    |                            |                                                                                    |                                                                                                                                                                                          |              |   |
|                                                                                             |                | 2.00                                | ES<br>HP<br>SPT | UCS(kPa)=300<br>N=17 (1,4/3,4,5,5) |          |                                                                                    |                            | (2.85)                                                                             |                                                                                                                                                                                          |              | 2 |
|                                                                                             |                |                                     |                 |                                    |          |                                                                                    |                            |                                                                                    |                                                                                                                                                                                          |              |   |
| 2.50                                                                                        | HP             | UCS(kPa)=350                        |                 |                                    |          |  |                            |                                                                                    |                                                                                                                                                                                          |              |   |
|                                                                                             |                |                                     |                 |                                    |          |                                                                                    |                            |                                                                                    |                                                                                                                                                                                          |              |   |
| 3.00                                                                                        | D<br>HP<br>SPT | UCS(kPa)=600+<br>N=26 (3,4/5,6,8,7) |                 |                                    |          |  |                            |                                                                                    | 3                                                                                                                                                                                        |              |   |
|                                                                                             |                |                                     |                 |                                    |          |                                                                                    |                            |                                                                                    |                                                                                                                                                                                          |              |   |
|                                                                                             |                |                                     |                 |                                    |          |                                                                                    | End of Borehole at 3.45m   |                                                                                    | 4                                                                                                                                                                                        |              |   |
|                                                                                             |                |                                     |                 |                                    |          |                                                                                    |                            |                                                                                    |                                                                                                                                                                                          |              |   |
|                                                                                             |                |                                     |                 |                                    |          |                                                                                    |                            |                                                                                    | 5                                                                                                                                                                                        |              |   |
|                                                                                             |                |                                     |                 |                                    |          |                                                                                    |                            |                                                                                    |                                                                                                                                                                                          |              |   |
| Remarks:                                                                                    |                |                                     |                 |                                    |          |                                                                                    |                            |                                                                                    |                                                                                                                                                                                          |              |   |
| Hand dug to 1.0m<br>Dry on completion.                                                      |                |                                     |                 |                                    |          |                                                                                    |                            |                                                                                    |                                                                                                                                                                                          |              |   |
| Status:                                                                                     |                | FINAL                               |                 | Log Print Date and Time:           |          | 09/08/2024 10:39                                                                   |                            | Log Approved By:                                                                   |                                                                                                                                                                                          | JNR          |   |



|                                                                                  |                   |             |            |              |
|----------------------------------------------------------------------------------|-------------------|-------------|------------|--------------|
|  | Start - End Date: | Project ID: | Hole Type: | WLS102       |
|                                                                                  | 18/07/2024        | J15778      | WLS        | Sheet 1 of 1 |

| Depth Related Hole Information |                |           |            |            |      |                  |            |           |                  |
|--------------------------------|----------------|-----------|------------|------------|------|------------------|------------|-----------|------------------|
| Top Depth (m)                  | Base Depth (m) | Hole Type | Start Date | End Date   | Crew | Plant Used       | Contractor | Logged By | Remarks          |
| 0.00                           | 3.45           | WLS       | 18/07/2024 | 18/07/2024 | STL  | Rotary Prem. Rig |            | SKT       | Hand dug to 1.0m |

| Hole Diameter      |                   |         | Casing Diameter      |                   |         |
|--------------------|-------------------|---------|----------------------|-------------------|---------|
| Hole Diameter (mm) | Depth to Base (m) | Remarks | Casing Diameter (mm) | Depth to Base (m) | Remarks |
| 101                | 2.00              |         |                      |                   |         |
| 101                | 3.00              |         |                      |                   |         |

| Dynamic Sample Drill Run Information |               |                |          |                    |                     |         |
|--------------------------------------|---------------|----------------|----------|--------------------|---------------------|---------|
| Run No.                              | Top Depth (m) | Base Depth (m) | Duration | Hole Diameter (mm) | Sample Recovery (%) | Remarks |
|                                      |               |                |          |                    |                     |         |

| Project Specific Time Related Remarks |               |          |         | Drilling Progress by Time |           |                  |                 |         |
|---------------------------------------|---------------|----------|---------|---------------------------|-----------|------------------|-----------------|---------|
| Date Time Start                       | Date Time End | Duration | Remarks | Date Time                 | Depth (m) | Casing Depth (m) | Water Depth (m) | Remarks |
|                                       |               |          |         |                           |           |                  |                 |         |

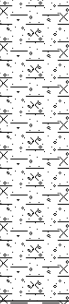
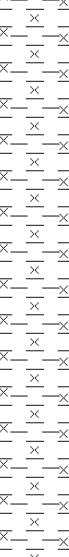
| SPT           |           |                  |                 |                              |                           |                   |                |         |
|---------------|-----------|------------------|-----------------|------------------------------|---------------------------|-------------------|----------------|---------|
| Top Depth (m) | Test Type | Casing Depth (m) | Water Depth (m) | Self Weight Penetration (mm) | Reported Result (N Value) | Hammer Serial No. | Energy Ratio % | Remarks |
| 1.00          | S         |                  |                 |                              | N=6 (1,1/1,1,2,2)         | RP11075           | 78             |         |
| 2.00          | S         |                  |                 |                              | N=17 (1,4/3,4,5,5)        | RP11075           | 78             |         |
| 3.00          | S         |                  |                 |                              | N=26 (3,4/5,6,8,7)        | RP11075           | 78             |         |

| Water Strikes and Details |           |                  |                  |         |                     |                 |         |
|---------------------------|-----------|------------------|------------------|---------|---------------------|-----------------|---------|
| Depth Strike (m)          | Date Time | Depth Casing (m) | Depth Sealed (m) | Remarks | Time Elapsed (mins) | Water Depth (m) | Remarks |
|                           |           |                  |                  |         |                     |                 |         |

| Installation Details |            |      |                          |                           |           | Pipe Construction |               |                |               |           |
|----------------------|------------|------|--------------------------|---------------------------|-----------|-------------------|---------------|----------------|---------------|-----------|
| Distance             | Point Ref. | Type | Top of Response Zone (m) | Base of Response Zone (m) | Pipe Ref. | Pipe Reference    | Depth Top (m) | Depth Base (m) | Diameter (mm) | Pipe Type |
|                      |            |      |                          |                           |           |                   |               |                |               |           |

| Backfill Details |            |          |         |
|------------------|------------|----------|---------|
| Depth Top        | Depth Base | Material | Remarks |
| 0.00             | 3.00       | Arisings |         |

|         |       |                          |                  |                  |     |
|---------|-------|--------------------------|------------------|------------------|-----|
| Status: | FINAL | Log Print Date and Time: | 09/08/2024 10:39 | Log Approved By: | JNR |
|---------|-------|--------------------------|------------------|------------------|-----|

|                                                                                             |               |                            |                                    |                          |          |                     |                                                                                     |                                                                                                                                 |                                                                                                                                                                                                                                                                              |            |  |              |  |
|---------------------------------------------------------------------------------------------|---------------|----------------------------|------------------------------------|--------------------------|----------|---------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--|--------------|--|
| <div></div> |               |                            |                                    |                          |          | Start - End Date:   |                                                                                     | Project ID:                                                                                                                     |                                                                                                                                                                                                                                                                              | Hole Type: |  | WLS103       |  |
|                                                                                             |               |                            |                                    |                          |          | 18/07/2024          |                                                                                     | J15778                                                                                                                          |                                                                                                                                                                                                                                                                              | WLS        |  | Sheet 1 of 1 |  |
| Client:                                                                                     |               | Octagon Developments Ltd.  |                                    |                          |          | Co-ordinates:       |                                                                                     | Level (m AOD)                                                                                                                   |                                                                                                                                                                                                                                                                              | Logger:    |  |              |  |
|                                                                                             |               |                            |                                    |                          |          | E 541216 - N 136922 |                                                                                     | 141.22                                                                                                                          |                                                                                                                                                                                                                                                                              | SKT        |  |              |  |
| Project Name:                                                                               |               | Wealden House              |                                    |                          |          | Location:           |                                                                                     | Lewes Road, East Grinstead, West Sussex, RH19 3TB                                                                               |                                                                                                                                                                                                                                                                              |            |  |              |  |
| Well                                                                                        | Water Strikes | Samples and Insitu Testing |                                    |                          | Progress | Depth (m)           | Level (m AOD)                                                                       | Legend                                                                                                                          | Stratum Description                                                                                                                                                                                                                                                          |            |  |              |  |
|                                                                                             |               | Depth (m)                  | Type/Fl                            | Results                  | Runs     |                     |                                                                                     |                                                                                                                                 |                                                                                                                                                                                                                                                                              |            |  |              |  |
|            |               | 0.05                       |                                    |                          |          | 0.05                | 141.77                                                                              |                                               | Brown SILT/CLAY with abundant fine rootlets, rare fine concrete and brick (TOPSOIL).<br>MADE GROUND<br>Buff-grey fine to medium sand with fine to coarse brick, concrete and flint.<br>MADE GROUND<br>Mid brown SILT/SAND with rare fine brick and slate.<br>REWORKED GROUND |            |  |              |  |
|                                                                                             | 0.20          | ES                         |                                    |                          |          | (0.35)              |                                                                                     |                                                                                                                                 |                                                                                                                                                                                                                                                                              |            |  |              |  |
|                                                                                             | 0.40          |                            |                                    |                          |          | 140.82              |                                                                                     |                                                                                                                                 |                                                                                                                                                                                                                                                                              |            |  |              |  |
|                                                                                             | 0.50          | ES                         |                                    |                          |          | (0.20)              |                                                                                     |                                                                                                                                 |                                                                                                                                                                                                                                                                              |            |  |              |  |
|                                                                                             | 1.00          | SPT                        | N=14 (2,1/2,3,4,5)                 |                          |          | 140.62              |   | Medium dense yellowish-brown sandy gravelly CLAY.<br>Gravel is fine to coarse sandstone.<br>GRINSTEAD CLAY MEMBER               |                                                                                                                                                                                                                                                                              |            |  |              |  |
|                                                                                             | 1.50          | ES                         |                                    |                          |          | (1.00)              |                                                                                     |                                                                                                                                 |                                                                                                                                                                                                                                                                              |            |  |              |  |
|                                                                                             | 2.00          | HP SPT                     | UCS(kPa)=250<br>N=13 (1,2/3,4,2,4) |                          |          | 139.62              |  | Stiff yellowish-orange mottled light grey silty CLAY, becoming friable, dark grey and brown from 1.7m.<br>GRINSTEAD CLAY MEMBER |                                                                                                                                                                                                                                                                              |            |  |              |  |
|                                                                                             | 2.50          | D ES HP                    | UCS(kPa)=300                       |                          |          | (1.85)              |                                                                                     |                                                                                                                                 |                                                                                                                                                                                                                                                                              |            |  |              |  |
|                                                                                             | 3.00          | HP SPT                     | UCS(kPa)=350<br>N=18 (1,2/4,3,5,6) |                          |          |                     |                                                                                     |                                                                                                                                 |                                                                                                                                                                                                                                                                              |            |  |              |  |
|                                                                                             | 3.45          |                            |                                    |                          |          | 137.77              |                                                                                     |                                                                                                                                 |                                                                                                                                                                                                                                                                              |            |  |              |  |
|                                                                                             |               |                            |                                    |                          |          |                     | End of Borehole at 3.45m                                                            |                                                                                                                                 |                                                                                                                                                                                                                                                                              |            |  |              |  |
| Remarks:<br>Hand dug to 1.0m<br>Dry on completion.                                          |               |                            |                                    |                          |          |                     |                                                                                     |                                                                                                                                 |                                                                                                                                                                                                                                                                              |            |  |              |  |
| Status:                                                                                     |               | FINAL                      |                                    | Log Print Date and Time: |          | 09/08/2024 10:39    |                                                                                     | Log Approved By:                                                                                                                |                                                                                                                                                                                                                                                                              | JNR        |  |              |  |

|                                                                                  |                   |             |            |              |
|----------------------------------------------------------------------------------|-------------------|-------------|------------|--------------|
|  | Start - End Date: | Project ID: | Hole Type: | WLS103       |
|                                                                                  | 18/07/2024        | J15778      | WLS        | Sheet 1 of 1 |

| Depth Related Hole Information |                |           |            |            |      |                  |            |           |                  |
|--------------------------------|----------------|-----------|------------|------------|------|------------------|------------|-----------|------------------|
| Top Depth (m)                  | Base Depth (m) | Hole Type | Start Date | End Date   | Crew | Plant Used       | Contractor | Logged By | Remarks          |
| 0.00                           | 3.45           | WLS       | 18/07/2024 | 18/07/2024 | STL  | Rotary Prem. Rig |            | SKT       | Hand dug to 1.0m |

| Hole Diameter      |                   |         | Casing Diameter      |                   |         |
|--------------------|-------------------|---------|----------------------|-------------------|---------|
| Hole Diameter (mm) | Depth to Base (m) | Remarks | Casing Diameter (mm) | Depth to Base (m) | Remarks |
| 101                | 2.00              |         |                      |                   |         |
| 101                | 3.00              |         |                      |                   |         |

| Dynamic Sample Drill Run Information |               |                |          |                    |                     |         |
|--------------------------------------|---------------|----------------|----------|--------------------|---------------------|---------|
| Run No.                              | Top Depth (m) | Base Depth (m) | Duration | Hole Diameter (mm) | Sample Recovery (%) | Remarks |
|                                      |               |                |          |                    |                     |         |

| Project Specific Time Related Remarks |               |          |         | Drilling Progress by Time |           |                  |                 |         |
|---------------------------------------|---------------|----------|---------|---------------------------|-----------|------------------|-----------------|---------|
| Date Time Start                       | Date Time End | Duration | Remarks | Date Time                 | Depth (m) | Casing Depth (m) | Water Depth (m) | Remarks |
|                                       |               |          |         |                           |           |                  |                 |         |

| SPT           |           |                  |                 |                              |                           |                   |                |         |
|---------------|-----------|------------------|-----------------|------------------------------|---------------------------|-------------------|----------------|---------|
| Top Depth (m) | Test Type | Casing Depth (m) | Water Depth (m) | Self Weight Penetration (mm) | Reported Result (N Value) | Hammer Serial No. | Energy Ratio % | Remarks |
| 1.00          | S         |                  |                 |                              | N=14 (2,1/2,3,4,5)        | RP11075           | 78             |         |
| 2.00          | S         |                  |                 |                              | N=13 (1,2/3,4,2,4)        | RP11075           | 78             |         |
| 3.00          | S         |                  |                 |                              | N=18 (1,2/4,3,5,6)        | RP11075           | 78             |         |

| Water Strikes and Details |           |                  |                  |         |                     |                 |         |
|---------------------------|-----------|------------------|------------------|---------|---------------------|-----------------|---------|
| Depth Strike (m)          | Date Time | Depth Casing (m) | Depth Sealed (m) | Remarks | Time Elapsed (mins) | Water Depth (m) | Remarks |
|                           |           |                  |                  |         |                     |                 |         |

| Installation Details |            |      |                          |                           |           | Pipe Construction |               |                |               |           |
|----------------------|------------|------|--------------------------|---------------------------|-----------|-------------------|---------------|----------------|---------------|-----------|
| Distance             | Point Ref. | Type | Top of Response Zone (m) | Base of Response Zone (m) | Pipe Ref. | Pipe Reference    | Depth Top (m) | Depth Base (m) | Diameter (mm) | Pipe Type |
|                      |            |      |                          |                           |           |                   |               |                |               |           |

| Backfill Details |            |          |         |
|------------------|------------|----------|---------|
| Depth Top        | Depth Base | Material | Remarks |
| 0.00             | 3.00       | Arisings |         |

|         |       |                          |                  |                  |     |
|---------|-------|--------------------------|------------------|------------------|-----|
| Status: | FINAL | Log Print Date and Time: | 09/08/2024 10:39 | Log Approved By: | JNR |
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|                                                                                  |                   |             |            |              |
|----------------------------------------------------------------------------------|-------------------|-------------|------------|--------------|
|  | Start - End Date: | Project ID: | Hole Type: | WLS104       |
|                                                                                  | 18/07/2024        | J15778      | WLS        | Sheet 1 of 1 |

| Depth Related Hole Information |                |           |            |            |      |                  |            |           |                  |
|--------------------------------|----------------|-----------|------------|------------|------|------------------|------------|-----------|------------------|
| Top Depth (m)                  | Base Depth (m) | Hole Type | Start Date | End Date   | Crew | Plant Used       | Contractor | Logged By | Remarks          |
| 0.00                           | 3.45           | WLS       | 18/07/2024 | 18/07/2024 | STL  | Rotary Prem. Rig |            | SKT       | Hand dug to 1.0m |

| Hole Diameter      |                   |         | Casing Diameter      |                   |         |
|--------------------|-------------------|---------|----------------------|-------------------|---------|
| Hole Diameter (mm) | Depth to Base (m) | Remarks | Casing Diameter (mm) | Depth to Base (m) | Remarks |
| 101                | 2.00              |         |                      |                   |         |
| 101                | 3.00              |         |                      |                   |         |

| Dynamic Sample Drill Run Information |               |                |          |                    |                     |         |
|--------------------------------------|---------------|----------------|----------|--------------------|---------------------|---------|
| Run No.                              | Top Depth (m) | Base Depth (m) | Duration | Hole Diameter (mm) | Sample Recovery (%) | Remarks |
|                                      |               |                |          |                    |                     |         |

| Project Specific Time Related Remarks |               |          |         | Drilling Progress by Time |           |                  |                 |         |
|---------------------------------------|---------------|----------|---------|---------------------------|-----------|------------------|-----------------|---------|
| Date Time Start                       | Date Time End | Duration | Remarks | Date Time                 | Depth (m) | Casing Depth (m) | Water Depth (m) | Remarks |
|                                       |               |          |         |                           |           |                  |                 |         |

| SPT           |           |                  |                 |                              |                           |                   |                |         |
|---------------|-----------|------------------|-----------------|------------------------------|---------------------------|-------------------|----------------|---------|
| Top Depth (m) | Test Type | Casing Depth (m) | Water Depth (m) | Self Weight Penetration (mm) | Reported Result (N Value) | Hammer Serial No. | Energy Ratio % | Remarks |
| 1.00          | S         |                  |                 |                              | N=7 (1,1/2,2,1,2)         | RP11075           | 78             |         |
| 2.00          | S         |                  |                 |                              | N=12 (1,2/2,3,3,4)        | RP11075           | 78             |         |
| 3.00          | S         |                  |                 |                              | N=15 (2,2/2,4,4,5)        | RP11075           | 78             |         |

| Water Strikes and Details |           |                  |                  |         |                     |                 |         |
|---------------------------|-----------|------------------|------------------|---------|---------------------|-----------------|---------|
| Depth Strike (m)          | Date Time | Depth Casing (m) | Depth Sealed (m) | Remarks | Time Elapsed (mins) | Water Depth (m) | Remarks |
|                           |           |                  |                  |         |                     |                 |         |

| Installation Details |            |      |                          |                           |           | Pipe Construction |               |                |               |           |
|----------------------|------------|------|--------------------------|---------------------------|-----------|-------------------|---------------|----------------|---------------|-----------|
| Distance             | Point Ref. | Type | Top of Response Zone (m) | Base of Response Zone (m) | Pipe Ref. | Pipe Reference    | Depth Top (m) | Depth Base (m) | Diameter (mm) | Pipe Type |
|                      |            |      |                          |                           |           |                   |               |                |               |           |

| Backfill Details |            |          |         |
|------------------|------------|----------|---------|
| Depth Top        | Depth Base | Material | Remarks |
| 0.00             | 3.00       | Arisings |         |

|         |       |                          |                  |                  |     |
|---------|-------|--------------------------|------------------|------------------|-----|
| Status: | FINAL | Log Print Date and Time: | 09/08/2024 10:39 | Log Approved By: | JNR |
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|                                                                                  |                   |             |            |              |
|----------------------------------------------------------------------------------|-------------------|-------------|------------|--------------|
|  | Start - End Date: | Project ID: | Hole Type: | WLS105       |
|                                                                                  | 18/07/2024        | J15778      | WLS        | Sheet 1 of 1 |

| Depth Related Hole Information |                |           |            |            |      |                  |            |           |                  |
|--------------------------------|----------------|-----------|------------|------------|------|------------------|------------|-----------|------------------|
| Top Depth (m)                  | Base Depth (m) | Hole Type | Start Date | End Date   | Crew | Plant Used       | Contractor | Logged By | Remarks          |
| 0.00                           | 3.45           | WLS       | 18/07/2024 | 18/07/2024 | STL  | Rotary Prem. Rig |            | SKT       | Hand dug to 1.0m |

| Hole Diameter      |                   |         | Casing Diameter      |                   |         |
|--------------------|-------------------|---------|----------------------|-------------------|---------|
| Hole Diameter (mm) | Depth to Base (m) | Remarks | Casing Diameter (mm) | Depth to Base (m) | Remarks |
| 101                | 2.00              |         |                      |                   |         |
| 101                | 3.00              |         |                      |                   |         |

| Dynamic Sample Drill Run Information |               |                |          |                    |                     |         |
|--------------------------------------|---------------|----------------|----------|--------------------|---------------------|---------|
| Run No.                              | Top Depth (m) | Base Depth (m) | Duration | Hole Diameter (mm) | Sample Recovery (%) | Remarks |
|                                      |               |                |          |                    |                     |         |

| Project Specific Time Related Remarks |               |          |         | Drilling Progress by Time |           |                  |                 |         |
|---------------------------------------|---------------|----------|---------|---------------------------|-----------|------------------|-----------------|---------|
| Date Time Start                       | Date Time End | Duration | Remarks | Date Time                 | Depth (m) | Casing Depth (m) | Water Depth (m) | Remarks |
|                                       |               |          |         |                           |           |                  |                 |         |

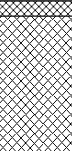
| SPT           |           |                  |                 |                              |                           |                   |                |         |
|---------------|-----------|------------------|-----------------|------------------------------|---------------------------|-------------------|----------------|---------|
| Top Depth (m) | Test Type | Casing Depth (m) | Water Depth (m) | Self Weight Penetration (mm) | Reported Result (N Value) | Hammer Serial No. | Energy Ratio % | Remarks |
| 1.00          | S         |                  |                 |                              | N=5 (1,1/1,1,1,2)         | RP11075           | 78             |         |
| 2.00          | S         |                  |                 |                              | N=14 (1,1/3,3,4,4)        | RP11075           | 78             |         |
| 3.00          | S         |                  |                 |                              | N=17 (2,2/3,4,4,6)        | RP11075           | 78             |         |

| Water Strikes and Details |           |                  |                  |         |                     |                 |         |
|---------------------------|-----------|------------------|------------------|---------|---------------------|-----------------|---------|
| Depth Strike (m)          | Date Time | Depth Casing (m) | Depth Sealed (m) | Remarks | Time Elapsed (mins) | Water Depth (m) | Remarks |
|                           |           |                  |                  |         |                     |                 |         |

| Installation Details |            |      |                          |                           |           | Pipe Construction |               |                |               |           |
|----------------------|------------|------|--------------------------|---------------------------|-----------|-------------------|---------------|----------------|---------------|-----------|
| Distance             | Point Ref. | Type | Top of Response Zone (m) | Base of Response Zone (m) | Pipe Ref. | Pipe Reference    | Depth Top (m) | Depth Base (m) | Diameter (mm) | Pipe Type |
|                      |            |      |                          |                           |           |                   |               |                |               |           |

| Backfill Details |            |          |         |
|------------------|------------|----------|---------|
| Depth Top        | Depth Base | Material | Remarks |
| 0.00             | 3.00       | Arisings |         |

|         |       |                          |                  |                  |     |
|---------|-------|--------------------------|------------------|------------------|-----|
| Status: | FINAL | Log Print Date and Time: | 09/08/2024 10:39 | Log Approved By: | JNR |
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|                                                                                             |                |                                    |                 |                                   |          |                     |                          |                                                                                      |                                                                                                                                                                        |            |   |              |  |
|---------------------------------------------------------------------------------------------|----------------|------------------------------------|-----------------|-----------------------------------|----------|---------------------|--------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---|--------------|--|
| <div></div> |                |                                    |                 |                                   |          | Start - End Date:   |                          | Project ID:                                                                          |                                                                                                                                                                        | Hole Type: |   | WLS106       |  |
|                                                                                             |                |                                    |                 |                                   |          | 18/07/2024          |                          | J15778                                                                               |                                                                                                                                                                        | WLS        |   | Sheet 1 of 1 |  |
| Client:                                                                                     |                | Octagon Developments Ltd.          |                 |                                   |          | Co-ordinates:       |                          | Level (m AOD)                                                                        |                                                                                                                                                                        | Logger:    |   |              |  |
|                                                                                             |                |                                    |                 |                                   |          | E 541258 - N 136857 |                          | 139.71                                                                               |                                                                                                                                                                        | SKT        |   |              |  |
| Project Name:                                                                               |                | Wealden House                      |                 |                                   |          | Location:           |                          | Lewes Road, East Grinstead, West Sussex, RH19 3TB                                    |                                                                                                                                                                        |            |   |              |  |
| Well                                                                                        | Water Strikes  | Samples and Insitu Testing         |                 |                                   | Progress | Depth (m)           | Level (m AOD)            | Legend                                                                               | Stratum Description                                                                                                                                                    |            |   |              |  |
|                                                                                             |                | Depth (m)                          | Type/Fl         | Results                           | Runs     |                     |                          |                                                                                      |                                                                                                                                                                        |            |   |              |  |
|            |                | 0.05                               | ES              |                                   |          | 0.05                | 139.86                   |    | Blacktop site surfacing (access road).<br>MADE GROUND<br>Brown-red fine to coarse brick gravel in a sandy matrix.<br>MADE GROUND                                       |            |   |              |  |
|                                                                                             |                | 0.30                               |                 |                                   |          |                     | 0.45                     |                                                                                      |                                                                                                                                                                        |            |   |              |  |
|                                                                                             |                | 0.50                               | D<br>HP<br>SPT  | UCS(kPa)=150<br>N=9 (1,1/2,2,2,3) |          | 0.50                | 139.21                   |   | Firm becoming very stiff brown speckled black and orange CLAY.<br>GRINSTEAD CLAY MEMBER                                                                                |            | 1 |              |  |
|                                                                                             |                | 1.00                               |                 |                                   |          |                     | (2.00)                   |                                                                                      |                                                                                                                                                                        |            |   |              |  |
|                                                                                             |                | 2.00                               | ES<br>HP<br>SPT | UCS(kPa)=270<br>N=9 (1,2/1,2,3,3) |          | 2.00                |                          |  | Stiff to very stiff very thinly laminated, yellowish-brown silty gravelly CLAY. Gravel is fine to coarse sub-angular extremely weak mudstone.<br>GRINSTEAD CLAY MEMBER |            | 2 |              |  |
| 2.50                                                                                        | HP             | UCS(kPa)=450                       |                 | 2.50                              | 137.21   |                     |                          |                                                                                      |                                                                                                                                                                        |            |   |              |  |
| 3.00                                                                                        | D<br>HP<br>SPT | UCS(kPa)=500<br>N=18 (1,3/4,5,4,5) |                 | 3.00                              |          | (0.95)              |                          | 3                                                                                    |                                                                                                                                                                        |            |   |              |  |
|                                                                                             |                |                                    |                 |                                   | 3.45     | 136.26              | End of Borehole at 3.45m |                                                                                      | 4                                                                                                                                                                      |            |   |              |  |
|                                                                                             |                |                                    |                 |                                   |          |                     |                          |                                                                                      |                                                                                                                                                                        |            | 5 |              |  |
| Remarks:                                                                                    |                |                                    |                 |                                   |          |                     |                          |                                                                                      |                                                                                                                                                                        |            |   |              |  |
| Hand dug to 1.0m<br>Dry on completion.                                                      |                |                                    |                 |                                   |          |                     |                          |                                                                                      |                                                                                                                                                                        |            |   |              |  |
| Status:                                                                                     |                | FINAL                              |                 | Log Print Date and Time:          |          | 09/08/2024 10:39    |                          | Log Approved By:                                                                     |                                                                                                                                                                        | JNR        |   |              |  |



|                                                                                  |                   |             |            |              |
|----------------------------------------------------------------------------------|-------------------|-------------|------------|--------------|
|  | Start - End Date: | Project ID: | Hole Type: | WLS106       |
|                                                                                  | 18/07/2024        | J15778      | WLS        | Sheet 1 of 1 |

| Depth Related Hole Information |                |           |            |            |      |                  |            |           |                  |
|--------------------------------|----------------|-----------|------------|------------|------|------------------|------------|-----------|------------------|
| Top Depth (m)                  | Base Depth (m) | Hole Type | Start Date | End Date   | Crew | Plant Used       | Contractor | Logged By | Remarks          |
| 0.00                           | 3.45           | WLS       | 18/07/2024 | 18/07/2024 | STL  | Rotary Prem. Rig |            | SKT       | Hand dug to 1.0m |

| Hole Diameter      |                   |         | Casing Diameter      |                   |         |
|--------------------|-------------------|---------|----------------------|-------------------|---------|
| Hole Diameter (mm) | Depth to Base (m) | Remarks | Casing Diameter (mm) | Depth to Base (m) | Remarks |
| 101                | 2.00              |         |                      |                   |         |
| 101                | 3.00              |         |                      |                   |         |

| Dynamic Sample Drill Run Information |               |                |          |                    |                     |         |
|--------------------------------------|---------------|----------------|----------|--------------------|---------------------|---------|
| Run No.                              | Top Depth (m) | Base Depth (m) | Duration | Hole Diameter (mm) | Sample Recovery (%) | Remarks |
|                                      |               |                |          |                    |                     |         |

| Project Specific Time Related Remarks |               |          |         | Drilling Progress by Time |           |                  |                 |         |
|---------------------------------------|---------------|----------|---------|---------------------------|-----------|------------------|-----------------|---------|
| Date Time Start                       | Date Time End | Duration | Remarks | Date Time                 | Depth (m) | Casing Depth (m) | Water Depth (m) | Remarks |
|                                       |               |          |         |                           |           |                  |                 |         |

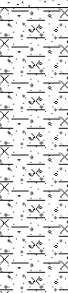
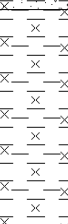
| SPT           |           |                  |                 |                              |                           |                   |                |         |
|---------------|-----------|------------------|-----------------|------------------------------|---------------------------|-------------------|----------------|---------|
| Top Depth (m) | Test Type | Casing Depth (m) | Water Depth (m) | Self Weight Penetration (mm) | Reported Result (N Value) | Hammer Serial No. | Energy Ratio % | Remarks |
| 1.00          | S         |                  |                 |                              | N=9 (1,1/2,2,2,3)         | RP11075           | 78             |         |
| 2.00          | S         |                  |                 |                              | N=9 (1,2/1,2,3,3)         | RP11075           | 78             |         |
| 3.00          | S         |                  |                 |                              | N=18 (1,3/4,5,4,5)        | RP11075           | 78             |         |

| Water Strikes and Details |           |                  |                  |         |                     |                 |         |
|---------------------------|-----------|------------------|------------------|---------|---------------------|-----------------|---------|
| Depth Strike (m)          | Date Time | Depth Casing (m) | Depth Sealed (m) | Remarks | Time Elapsed (mins) | Water Depth (m) | Remarks |
|                           |           |                  |                  |         |                     |                 |         |

| Installation Details |            |      |                          |                           |           | Pipe Construction |               |                |               |           |
|----------------------|------------|------|--------------------------|---------------------------|-----------|-------------------|---------------|----------------|---------------|-----------|
| Distance             | Point Ref. | Type | Top of Response Zone (m) | Base of Response Zone (m) | Pipe Ref. | Pipe Reference    | Depth Top (m) | Depth Base (m) | Diameter (mm) | Pipe Type |
|                      |            |      |                          |                           |           |                   |               |                |               |           |

| Backfill Details |            |          |         |
|------------------|------------|----------|---------|
| Depth Top        | Depth Base | Material | Remarks |
| 0.00             | 3.00       | Arisings |         |

|         |       |                          |                  |                  |     |
|---------|-------|--------------------------|------------------|------------------|-----|
| Status: | FINAL | Log Print Date and Time: | 09/08/2024 10:39 | Log Approved By: | JNR |
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|                                                                                   |               |                            |          |                                      |          |                     |               |                                                                                      |                                                                                                                                             |                                                              |   |  |  |  |  |  |  |  |  |  |
|-----------------------------------------------------------------------------------|---------------|----------------------------|----------|--------------------------------------|----------|---------------------|---------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|---|--|--|--|--|--|--|--|--|--|
|    |               |                            |          | Start - End Date:                    |          | Project ID:         | Hole Type:    | WLS107                                                                               |                                                                                                                                             |                                                              |   |  |  |  |  |  |  |  |  |  |
|                                                                                   |               |                            |          | 19/07/2024                           |          | J15778              | WLS           | Sheet 1 of 1                                                                         |                                                                                                                                             |                                                              |   |  |  |  |  |  |  |  |  |  |
| Client:                                                                           |               | Octagon Developments Ltd.  |          |                                      |          | Co-ordinates:       |               | Level (m AOD)                                                                        | Logger:                                                                                                                                     |                                                              |   |  |  |  |  |  |  |  |  |  |
|                                                                                   |               |                            |          |                                      |          | E 541241 - N 136826 |               | 139.15                                                                               | SKT                                                                                                                                         |                                                              |   |  |  |  |  |  |  |  |  |  |
| Project Name:                                                                     |               | Wealden House              |          |                                      |          | Location:           |               | Lewes Road, East Grinstead, West Sussex, RH19 3TB                                    |                                                                                                                                             |                                                              |   |  |  |  |  |  |  |  |  |  |
| Well                                                                              | Water Strikes | Samples and Insitu Testing |          |                                      | Progress | Depth (m)           | Level (m AOD) | Legend                                                                               | Stratum Description                                                                                                                         |                                                              |   |  |  |  |  |  |  |  |  |  |
|                                                                                   |               | Depth (m)                  | Type/Fl  | Results                              | Runs     |                     |               |                                                                                      |                                                                                                                                             |                                                              |   |  |  |  |  |  |  |  |  |  |
|  |               | 0.40                       | ES       |                                      |          | 0.05                | 139.70        |    | Blacktop site surfacing (car park).<br>MADE GROUND<br>Red-orange brick rubble.<br>MADE GROUND                                               |                                                              |   |  |  |  |  |  |  |  |  |  |
|                                                                                   |               |                            |          |                                      |          |                     | (0.55)        |                                                                                      |                                                                                                                                             |                                                              |   |  |  |  |  |  |  |  |  |  |
|                                                                                   |               | 1.00                       | HP SPT   | UCS(kPa)=170<br>N=9 (1,1/2,2,2,3)    |          | 0.60                | 138.55        |    | Loose (estimated) blue-grey fine SAND, becoming mottled orange-brown from 0.9m.                                                             |                                                              |   |  |  |  |  |  |  |  |  |  |
|                                                                                   |               |                            |          |                                      |          | 1.00                | 138.15        |                                                                                      |                                                                                                                                             |                                                              |   |  |  |  |  |  |  |  |  |  |
|                                                                                   |               | 2.00                       | D SPT    | N=8 (1,2/2,2,1,3)                    |          |                     |               |    | Stiff blueish-grey mottled orange-brown sandy gravelly CLAY. Frequent medium to coarse siltstone gravel from 1.6m.<br>GRINSTEAD CLAY MEMBER | 1                                                            |   |  |  |  |  |  |  |  |  |  |
|                                                                                   |               |                            |          |                                      |          |                     | (1.20)        |                                                                                      |                                                                                                                                             |                                                              |   |  |  |  |  |  |  |  |  |  |
|                                                                                   |               | 2.50                       | HP       | UCS(kPa)=300                         |          |                     |               |   | Band of weak light grey siltstone at 1.6m                                                                                                   |                                                              |   |  |  |  |  |  |  |  |  |  |
|                                                                                   |               |                            |          |                                      |          |                     |               |                                                                                      |                                                                                                                                             |                                                              |   |  |  |  |  |  |  |  |  |  |
|                                                                                   |               | 3.00                       | D HP SPT | UCS(kPa)=380<br>50 (3,29/50 for 1mm) |          | 2.20                | 136.95        |  | Stiff orange-brown silty gravelly CLAY. Gravel is fine to medium sub-angular siltstone.                                                     |                                                              |   |  |  |  |  |  |  |  |  |  |
|                                                                                   |               |                            |          |                                      |          |                     | (0.80)        |                                                                                      |                                                                                                                                             |                                                              |   |  |  |  |  |  |  |  |  |  |
|                                                                                   |               |                            |          |                                      |          |                     | 3.00          | 136.15                                                                               |                                                         | Very thinly laminated from 2.9m.<br>End of Borehole at 3.00m | 3 |  |  |  |  |  |  |  |  |  |
|                                                                                   |               |                            |          |                                      |          |                     |               |                                                                                      |                                                                                                                                             |                                                              |   |  |  |  |  |  |  |  |  |  |
|                                                                                   |               |                            |          |                                      |          |                     |               |                                                                                      |                                                                                                                                             |                                                              |   |  |  |  |  |  |  |  |  |  |
|                                                                                   |               |                            |          |                                      |          |                     |               |                                                                                      |                                                                                                                                             |                                                              |   |  |  |  |  |  |  |  |  |  |
|                                                                                   |               |                            |          |                                      |          |                     |               |                                                                                      |                                                                                                                                             |                                                              |   |  |  |  |  |  |  |  |  |  |
| Remarks:                                                                          |               |                            |          |                                      |          |                     |               |                                                                                      |                                                                                                                                             |                                                              |   |  |  |  |  |  |  |  |  |  |
| Hand dug to 1.0m<br>Dry on completion.<br>SPT refused at 3.0m                     |               |                            |          |                                      |          |                     |               |                                                                                      |                                                                                                                                             |                                                              |   |  |  |  |  |  |  |  |  |  |
| Status:                                                                           |               | FINAL                      |          | Log Print Date and Time:             |          | 09/08/2024 10:39    |               | Log Approved By:                                                                     |                                                                                                                                             | JNR                                                          |   |  |  |  |  |  |  |  |  |  |

|                                                                                  |                   |             |            |              |
|----------------------------------------------------------------------------------|-------------------|-------------|------------|--------------|
|  | Start - End Date: | Project ID: | Hole Type: | WLS107       |
|                                                                                  | 19/07/2024        | J15778      | WLS        | Sheet 1 of 1 |

| Depth Related Hole Information |                |           |            |            |      |                  |            |           |                  |
|--------------------------------|----------------|-----------|------------|------------|------|------------------|------------|-----------|------------------|
| Top Depth (m)                  | Base Depth (m) | Hole Type | Start Date | End Date   | Crew | Plant Used       | Contractor | Logged By | Remarks          |
| 0.00                           | 3.00           | WLS       | 18/07/2024 | 18/07/2024 | STL  | Rotary Prem. Rig |            | SKT       | Hand dug to 1.0m |

| Hole Diameter      |                   |         | Casing Diameter      |                   |         |
|--------------------|-------------------|---------|----------------------|-------------------|---------|
| Hole Diameter (mm) | Depth to Base (m) | Remarks | Casing Diameter (mm) | Depth to Base (m) | Remarks |
| 101                | 2.00              |         |                      |                   |         |
| 101                | 3.00              |         |                      |                   |         |

| Dynamic Sample Drill Run Information |               |                |          |                    |                     |         |
|--------------------------------------|---------------|----------------|----------|--------------------|---------------------|---------|
| Run No.                              | Top Depth (m) | Base Depth (m) | Duration | Hole Diameter (mm) | Sample Recovery (%) | Remarks |
|                                      |               |                |          |                    |                     |         |

| Project Specific Time Related Remarks |               |          |         | Drilling Progress by Time |           |                  |                 |         |
|---------------------------------------|---------------|----------|---------|---------------------------|-----------|------------------|-----------------|---------|
| Date Time Start                       | Date Time End | Duration | Remarks | Date Time                 | Depth (m) | Casing Depth (m) | Water Depth (m) | Remarks |
|                                       |               |          |         |                           |           |                  |                 |         |

| SPT           |           |                  |                 |                              |                           |                   |                |         |
|---------------|-----------|------------------|-----------------|------------------------------|---------------------------|-------------------|----------------|---------|
| Top Depth (m) | Test Type | Casing Depth (m) | Water Depth (m) | Self Weight Penetration (mm) | Reported Result (N Value) | Hammer Serial No. | Energy Ratio % | Remarks |
| 1.00          | S         |                  |                 |                              | N=9 (1,1/2,2,2,3)         | RP11075           | 78             |         |
| 2.00          | S         |                  |                 |                              | N=8 (1,2/2,2,1,3)         | RP11075           | 78             |         |
| 3.00          | S         |                  |                 |                              | 50 (3,29/50 for 1mm)      | RP11075           | 78             |         |

| Water Strikes and Details |           |                  |                  |         |                     |                 |         |
|---------------------------|-----------|------------------|------------------|---------|---------------------|-----------------|---------|
| Depth Strike (m)          | Date Time | Depth Casing (m) | Depth Sealed (m) | Remarks | Time Elapsed (mins) | Water Depth (m) | Remarks |
|                           |           |                  |                  |         |                     |                 |         |

| Installation Details |            |      |                          |                           |           | Pipe Construction |               |                |               |           |
|----------------------|------------|------|--------------------------|---------------------------|-----------|-------------------|---------------|----------------|---------------|-----------|
| Distance             | Point Ref. | Type | Top of Response Zone (m) | Base of Response Zone (m) | Pipe Ref. | Pipe Reference    | Depth Top (m) | Depth Base (m) | Diameter (mm) | Pipe Type |
|                      |            |      |                          |                           |           |                   |               |                |               |           |

| Backfill Details |            |          |         |
|------------------|------------|----------|---------|
| Depth Top        | Depth Base | Material | Remarks |
| 0.00             | 3.00       | Arisings |         |

|         |       |                          |                  |                  |     |
|---------|-------|--------------------------|------------------|------------------|-----|
| Status: | FINAL | Log Print Date and Time: | 09/08/2024 10:39 | Log Approved By: | JNR |
|---------|-------|--------------------------|------------------|------------------|-----|

|                                                                                             |               |                            |                                   |         |                          |                   |                                                                                                                                           |                                                                                   |                                                   |            |         |                                                   |  |
|---------------------------------------------------------------------------------------------|---------------|----------------------------|-----------------------------------|---------|--------------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------|------------|---------|---------------------------------------------------|--|
| <div></div> |               |                            |                                   |         |                          | Start - End Date: |                                                                                                                                           | Project ID:                                                                       |                                                   | Hole Type: |         | WLS108                                            |  |
|                                                                                             |               |                            |                                   |         |                          | 19/07/2024        |                                                                                                                                           | J15778                                                                            |                                                   | WLS        |         | Sheet 1 of 1                                      |  |
| Client:                                                                                     |               | Octagon Developments Ltd.  |                                   |         |                          |                   | Co-ordinates:                                                                                                                             |                                                                                   | Level (m AOD)                                     |            | Logger: |                                                   |  |
|                                                                                             |               |                            |                                   |         |                          |                   | E 541216 - N 136832                                                                                                                       |                                                                                   | 139.60                                            |            | SKT     |                                                   |  |
| Project Name:                                                                               |               | Wealden House              |                                   |         |                          |                   | Location:                                                                                                                                 |                                                                                   | Lewes Road, East Grinstead, West Sussex, RH19 3TB |            |         |                                                   |  |
| Well                                                                                        | Water Strikes | Samples and Insitu Testing |                                   |         | Progress                 | Depth (m)         | Level (m AOD)                                                                                                                             | Legend                                                                            | Stratum Description                               |            |         |                                                   |  |
|                                                                                             |               | Depth (m)                  | Type/Fl                           | Results | Runs                     |                   |                                                                                                                                           |                                                                                   |                                                   |            |         |                                                   |  |
|            |               |                            |                                   |         |                          | 0.04              | 139.56                                                                                                                                    |  | Blacktop site surfacing.<br>MADE GROUND           |            | 1       |                                                   |  |
|                                                                                             |               |                            |                                   |         |                          | (0.36)            |                                                                                                                                           |                                                                                   |                                                   |            |         | Black fine to coarse brick gravel.<br>MADE GROUND |  |
|                                                                                             | 0.45          | ES                         |                                   |         | 0.40                     | 139.20            | Black stained silty sandy CLAY (no odour).                                                                                                |                                                                                   |                                                   |            |         |                                                   |  |
|                                                                                             | 0.60          | ES                         |                                   |         | 0.50                     | 139.10            | Orange-brown sandy CLAY.                                                                                                                  |                                                                                   |                                                   |            |         |                                                   |  |
|                                                                                             |               |                            |                                   |         | 0.70                     | 138.90            | Loose (estimated) fine yellow-brown fine SAND.                                                                                            |                                                                                   |                                                   |            |         |                                                   |  |
|                                                                                             |               |                            |                                   |         | (0.30)                   |                   |                                                                                                                                           |                                                                                   |                                                   |            |         |                                                   |  |
|                                                                                             | 1.00          | HP SPT                     | UCS(kPa)=150<br>N=4 (1,0/1,1,1,1) |         | 1.00                     | 138.60            | Stiff orangish-yellow mottled buff-yellow silty gravelly CLAY. Gravel is fine to medium extremely weak mudstone.<br>GRINSTEAD CLAY MEMBER |                                                                                   | 2                                                 |            |         |                                                   |  |
|                                                                                             | 1.50          | HP                         | UCS(kPa)=200                      |         |                          |                   |                                                                                                                                           |                                                                                   |                                                   |            |         |                                                   |  |
|                                                                                             | 2.00          | D HP SPT                   | UCS(kPa)=180<br>N=9 (1,2/1,2,3,3) |         | (2.00)                   |                   |                                                                                                                                           |                                                                                   |                                                   |            |         |                                                   |  |
|                                                                                             | 2.50          | HP                         | UCS(kPa)=280                      |         |                          |                   |                                                                                                                                           |                                                                                   |                                                   |            |         |                                                   |  |
|                                                                                             |               |                            |                                   |         |                          | 3.00              | 136.60                                                                                                                                    | End of Borehole at 3.00m                                                          |                                                   | 3          |         |                                                   |  |
|                                                                                             |               |                            |                                   |         |                          |                   |                                                                                                                                           |                                                                                   |                                                   | 4          |         |                                                   |  |
|                                                                                             |               |                            |                                   |         |                          |                   |                                                                                                                                           |                                                                                   |                                                   | 5          |         |                                                   |  |
| Remarks:                                                                                    |               |                            |                                   |         |                          |                   |                                                                                                                                           |                                                                                   |                                                   |            |         |                                                   |  |
| Hand dug to 1.0m<br>Dry on completion.<br>SPT refused at 3.0m                               |               |                            |                                   |         |                          |                   |                                                                                                                                           |                                                                                   |                                                   |            |         |                                                   |  |
| Status:                                                                                     |               | FINAL                      |                                   |         | Log Print Date and Time: |                   | 09/08/2024 10:39                                                                                                                          |                                                                                   | Log Approved By:                                  |            | JNR     |                                                   |  |

|                                                                                  |                   |             |            |              |
|----------------------------------------------------------------------------------|-------------------|-------------|------------|--------------|
|  | Start - End Date: | Project ID: | Hole Type: | WLS108       |
|                                                                                  | 19/07/2024        | J15778      | WLS        | Sheet 1 of 1 |

| Depth Related Hole Information |                |           |            |            |      |                  |            |           |                  |
|--------------------------------|----------------|-----------|------------|------------|------|------------------|------------|-----------|------------------|
| Top Depth (m)                  | Base Depth (m) | Hole Type | Start Date | End Date   | Crew | Plant Used       | Contractor | Logged By | Remarks          |
| 0.00                           | 3.00           | WLS       | 19/07/2024 | 19/07/2024 | STL  | Rotary Prem. Rig |            | SKT       | Hand dug to 1.0m |

| Hole Diameter      |                   |         | Casing Diameter      |                   |         |
|--------------------|-------------------|---------|----------------------|-------------------|---------|
| Hole Diameter (mm) | Depth to Base (m) | Remarks | Casing Diameter (mm) | Depth to Base (m) | Remarks |
| 101                | 2.00              |         |                      |                   |         |
| 101                | 3.00              |         |                      |                   |         |

| Dynamic Sample Drill Run Information |               |                |          |                    |                     |         |
|--------------------------------------|---------------|----------------|----------|--------------------|---------------------|---------|
| Run No.                              | Top Depth (m) | Base Depth (m) | Duration | Hole Diameter (mm) | Sample Recovery (%) | Remarks |
|                                      |               |                |          |                    |                     |         |

| Project Specific Time Related Remarks |               |          |         | Drilling Progress by Time |           |                  |                 |         |
|---------------------------------------|---------------|----------|---------|---------------------------|-----------|------------------|-----------------|---------|
| Date Time Start                       | Date Time End | Duration | Remarks | Date Time                 | Depth (m) | Casing Depth (m) | Water Depth (m) | Remarks |
|                                       |               |          |         |                           |           |                  |                 |         |

| SPT           |           |                  |                 |                              |                           |                   |                |         |
|---------------|-----------|------------------|-----------------|------------------------------|---------------------------|-------------------|----------------|---------|
| Top Depth (m) | Test Type | Casing Depth (m) | Water Depth (m) | Self Weight Penetration (mm) | Reported Result (N Value) | Hammer Serial No. | Energy Ratio % | Remarks |
| 1.00          | S         |                  |                 |                              | N=4 (1,0/1,1,1,1)         | RP11075           | 78             |         |
| 2.00          | S         |                  |                 |                              | N=9 (1,2/1,2,3,3)         | RP11075           | 78             |         |
| 3.00          | S         |                  |                 |                              | 50 (5,20/50 for 1mm)      | RP11075           | 78             |         |

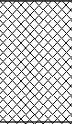
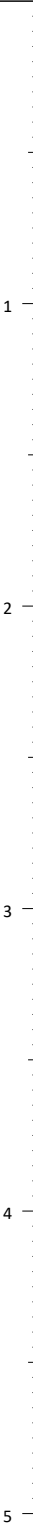
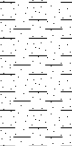
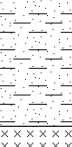
| Water Strikes and Details |           |                  |                  |         |                     |                 |         |
|---------------------------|-----------|------------------|------------------|---------|---------------------|-----------------|---------|
| Depth Strike (m)          | Date Time | Depth Casing (m) | Depth Sealed (m) | Remarks | Time Elapsed (mins) | Water Depth (m) | Remarks |
|                           |           |                  |                  |         |                     |                 |         |

| Installation Details |            |      |                          |                           |           | Pipe Construction |               |                |               |           |
|----------------------|------------|------|--------------------------|---------------------------|-----------|-------------------|---------------|----------------|---------------|-----------|
| Distance             | Point Ref. | Type | Top of Response Zone (m) | Base of Response Zone (m) | Pipe Ref. | Pipe Reference    | Depth Top (m) | Depth Base (m) | Diameter (mm) | Pipe Type |
|                      |            |      |                          |                           |           |                   |               |                |               |           |

| Backfill Details |            |          |         |
|------------------|------------|----------|---------|
| Depth Top        | Depth Base | Material | Remarks |
| 0.00             | 3.00       | Arisings |         |

|         |       |                          |                  |                  |     |
|---------|-------|--------------------------|------------------|------------------|-----|
| Status: | FINAL | Log Print Date and Time: | 09/08/2024 10:39 | Log Approved By: | JNR |
|---------|-------|--------------------------|------------------|------------------|-----|



|                                                                                             |               |                            |         |                                   |                            |                                                                                      |                                                                                                               |                                                                                      |                                                                                                                  |                     |                                                                                      |              |  |
|---------------------------------------------------------------------------------------------|---------------|----------------------------|---------|-----------------------------------|----------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------|--------------|--|
| <div></div> |               |                            |         |                                   |                            | Start - End Date:                                                                    |                                                                                                               | Project ID:                                                                          |                                                                                                                  | Hole Type:          |                                                                                      | WLS109       |  |
|                                                                                             |               |                            |         |                                   |                            | 19/07/2024                                                                           |                                                                                                               | J15778                                                                               |                                                                                                                  | WLS                 |                                                                                      | Sheet 1 of 1 |  |
| Client:                                                                                     |               | Octagon Developments Ltd.  |         |                                   |                            | Co-ordinates:                                                                        |                                                                                                               | Level (m AOD)                                                                        |                                                                                                                  | Logger:             |                                                                                      |              |  |
|                                                                                             |               |                            |         |                                   |                            | E 541198 - N 136832                                                                  |                                                                                                               | 139.57                                                                               |                                                                                                                  | SKT                 |                                                                                      |              |  |
| Project Name:                                                                               |               | Wealden House              |         |                                   |                            | Location:                                                                            |                                                                                                               | Lewes Road, East Grinstead, West Sussex, RH19 3TB                                    |                                                                                                                  |                     |                                                                                      |              |  |
| Well                                                                                        | Water Strikes | Samples and Insitu Testing |         |                                   | Progress                   |                                                                                      | Depth (m)                                                                                                     | Level (m AOD)                                                                        | Legend                                                                                                           | Stratum Description |                                                                                      |              |  |
|                                                                                             |               | Depth (m)                  | Type/Fl | Results                           | Runs                       |                                                                                      |                                                                                                               |                                                                                      |                                                                                                                  |                     |                                                                                      |              |  |
|            |               | 0.50                       | ES      |                                   |                            | 0.40                                                                                 | (0.40)                                                                                                        |    | Medium to coarse grey limestone gravel. MADE GROUND                                                              |                     |  |              |  |
|                                                                                             |               |                            |         |                                   |                            |                                                                                      | (0.40)                                                                                                        |                                                                                      | Dark brown SILT/CLAY with fine brick. REWORKED GROUND                                                            |                     |                                                                                      |              |  |
|                                                                                             |               | 1.00                       | HP SPT  | UCS(kPa)=120<br>N=2 (0,1/0,0,1,1) |                            | 0.80                                                                                 | 138.77                                                                                                        |    | Firm yellowish-brown mottled grey silty gravelly CLAY. Gravel is fine to medium sandstone. GRINSTEAD CLAY MEMBER |                     |                                                                                      |              |  |
|                                                                                             |               |                            |         |                                   |                            |                                                                                      | (0.80)                                                                                                        |                                                                                      |                                                                                                                  |                     |                                                                                      |              |  |
|                                                                                             |               | 1.50                       | D       |                                   |                            | 1.60                                                                                 | 137.97                                                                                                        |   | Firm to stiff dark grey/yellow-grey sandy CLAY. GRINSTEAD CLAY MEMBER                                            |                     |                                                                                      |              |  |
|                                                                                             |               |                            |         |                                   |                            |                                                                                      | (1.30)                                                                                                        |                                                                                      |                                                                                                                  |                     |                                                                                      |              |  |
|                                                                                             |               | 2.00                       | HP SPT  | UCS(kPa)=120<br>N=9 (0,1/2,1,3,3) |                            |                                                                                      |                                                                                                               |  |                                                                                                                  |                     |                                                                                      |              |  |
|                                                                                             |               |                            |         |                                   |                            |                                                                                      |                                                                                                               |                                                                                      |                                                                                                                  |                     |                                                                                      |              |  |
|                                                                                             |               | 2.50                       | D HP    | UCS(kPa)=250                      |                            |                                                                                      |                                                                                                               |                                                                                      |                                                                                                                  |                     |                                                                                      |              |  |
|                                                                                             |               |                            |         |                                   |                            |                                                                                      |                                                                                                               |                                                                                      |                                                                                                                  |                     |                                                                                      |              |  |
| 3.00                                                                                        | SPT           | 50 (25 for 1mm/50 for 1mm) |         | 2.90<br>3.00                      | 136.67<br>(0.10)<br>136.57 |  | Extremely weak thinly laminated highly weathered yellow and light grey SILTSTONE.<br>End of Borehole at 3.00m |                                                                                      |                                                                                                                  |                     |                                                                                      |              |  |
|                                                                                             |               |                            |         |                                   |                            |                                                                                      |                                                                                                               |                                                                                      |                                                                                                                  |                     |                                                                                      |              |  |
| Remarks:                                                                                    |               |                            |         |                                   |                            |                                                                                      |                                                                                                               |                                                                                      |                                                                                                                  |                     |                                                                                      |              |  |
| Hand dug to 1.0m<br>Dry on completion.<br>SPT refused at 3.0m                               |               |                            |         |                                   |                            |                                                                                      |                                                                                                               |                                                                                      |                                                                                                                  |                     |                                                                                      |              |  |
| Status:                                                                                     |               | FINAL                      |         | Log Print Date and Time:          |                            | 09/08/2024 10:39                                                                     |                                                                                                               | Log Approved By:                                                                     |                                                                                                                  | JNR                 |                                                                                      |              |  |

|                                                                                  |                   |             |            |              |
|----------------------------------------------------------------------------------|-------------------|-------------|------------|--------------|
|  | Start - End Date: | Project ID: | Hole Type: | WLS109       |
|                                                                                  | 19/07/2024        | J15778      | WLS        | Sheet 1 of 1 |

| Depth Related Hole Information |                |           |            |            |      |                  |            |           |                  |
|--------------------------------|----------------|-----------|------------|------------|------|------------------|------------|-----------|------------------|
| Top Depth (m)                  | Base Depth (m) | Hole Type | Start Date | End Date   | Crew | Plant Used       | Contractor | Logged By | Remarks          |
| 0.00                           | 3.00           | WLS       | 19/07/2024 | 19/07/2024 | STL  | Rotary Prem. Rig |            | SKT       | Hand dug to 1.0m |

| Hole Diameter      |                   |         | Casing Diameter      |                   |         |
|--------------------|-------------------|---------|----------------------|-------------------|---------|
| Hole Diameter (mm) | Depth to Base (m) | Remarks | Casing Diameter (mm) | Depth to Base (m) | Remarks |
| 101                | 2.00              |         |                      |                   |         |
| 101                | 3.00              |         |                      |                   |         |

| Dynamic Sample Drill Run Information |               |                |          |                    |                     |         |
|--------------------------------------|---------------|----------------|----------|--------------------|---------------------|---------|
| Run No.                              | Top Depth (m) | Base Depth (m) | Duration | Hole Diameter (mm) | Sample Recovery (%) | Remarks |
|                                      |               |                |          |                    |                     |         |

| Project Specific Time Related Remarks |               |          |         | Drilling Progress by Time |           |                  |                 |         |
|---------------------------------------|---------------|----------|---------|---------------------------|-----------|------------------|-----------------|---------|
| Date Time Start                       | Date Time End | Duration | Remarks | Date Time                 | Depth (m) | Casing Depth (m) | Water Depth (m) | Remarks |
|                                       |               |          |         |                           |           |                  |                 |         |

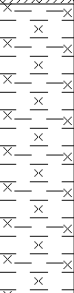
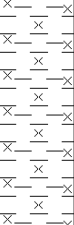
| SPT           |           |                  |                 |                              |                            |                   |                |         |
|---------------|-----------|------------------|-----------------|------------------------------|----------------------------|-------------------|----------------|---------|
| Top Depth (m) | Test Type | Casing Depth (m) | Water Depth (m) | Self Weight Penetration (mm) | Reported Result (N Value)  | Hammer Serial No. | Energy Ratio % | Remarks |
| 1.00          | S         |                  |                 |                              | N=2 (0,1/0,0,1,1)          | RP11075           | 78             |         |
| 2.00          | S         |                  |                 |                              | N=9 (0,1/2,1,3,3)          | RP11075           | 78             |         |
| 3.00          | S         |                  |                 |                              | 50 (25 for 1mm/50 for 1mm) | RP11075           | 78             |         |

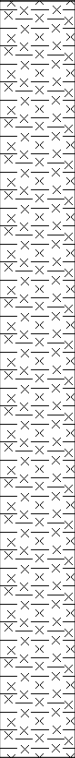
| Water Strikes and Details |           |                  |                  |         |                     |                 |         |
|---------------------------|-----------|------------------|------------------|---------|---------------------|-----------------|---------|
| Depth Strike (m)          | Date Time | Depth Casing (m) | Depth Sealed (m) | Remarks | Time Elapsed (mins) | Water Depth (m) | Remarks |
|                           |           |                  |                  |         |                     |                 |         |

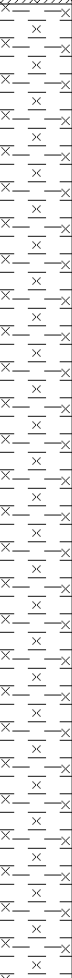
| Installation Details |            |      |                          |                           |           | Pipe Construction |               |                |               |           |
|----------------------|------------|------|--------------------------|---------------------------|-----------|-------------------|---------------|----------------|---------------|-----------|
| Distance             | Point Ref. | Type | Top of Response Zone (m) | Base of Response Zone (m) | Pipe Ref. | Pipe Reference    | Depth Top (m) | Depth Base (m) | Diameter (mm) | Pipe Type |
|                      |            |      |                          |                           |           |                   |               |                |               |           |

| Backfill Details |            |          |         |
|------------------|------------|----------|---------|
| Depth Top        | Depth Base | Material | Remarks |
| 0.00             | 3.00       | Arisings |         |

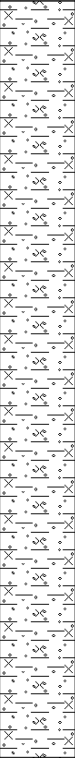
|         |       |                          |                  |                  |     |
|---------|-------|--------------------------|------------------|------------------|-----|
| Status: | FINAL | Log Print Date and Time: | 09/08/2024 10:39 | Log Approved By: | JNR |
|---------|-------|--------------------------|------------------|------------------|-----|

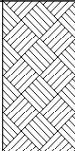
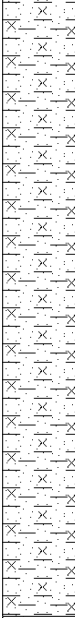
|                                                                                             |               |                            |         |                          |            |                   |                     |                                                                                      |                                                                                                                                                           |                     |         |              |  |
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| <div></div> |               |                            |         |                          |            | Start - End Date: |                     | Project ID:                                                                          |                                                                                                                                                           | Hole Type:          |         | WLS110       |  |
|                                                                                             |               |                            |         |                          |            | 19/07/2024        |                     | J15778                                                                               |                                                                                                                                                           | HA                  |         | Sheet 1 of 2 |  |
| Client:                                                                                     |               | Octagon Developments Ltd.  |         |                          |            |                   | Co-ordinates:       |                                                                                      | Level (m AOD)                                                                                                                                             |                     | Logger: |              |  |
|                                                                                             |               |                            |         |                          |            |                   | E 541218 - N 136862 |                                                                                      | 140.14                                                                                                                                                    |                     | SKT     |              |  |
| Project Name:                                                                               |               | Wealden House              |         |                          |            |                   | Location:           |                                                                                      | Lewes Road, East Grinstead, West Sussex, RH19 3TB                                                                                                         |                     |         |              |  |
| Well                                                                                        | Water Strikes | Samples and Insitu Testing |         |                          | Progress   |                   | Depth (m)           | Level (m AOD)                                                                        | Legend                                                                                                                                                    | Stratum Description |         |              |  |
|                                                                                             |               | Depth (m)                  | Type/Fl | Results                  | Window Run |                   |                     |                                                                                      |                                                                                                                                                           |                     |         |              |  |
|            |               | 0.20                       | ES      |                          |            | 0.30              | 139.84              |    | Mid brown clayey silty SAND with frequent rootlets (TOPSOIL).                                                                                             |                     |         |              |  |
|                                                                                             |               | 0.40                       | ES      |                          |            |                   |                     |    | Recovered as firm brown-yellow mottled light grey silty CLAY.<br>GRINSTEAD CLAY MEMBER                                                                    |                     |         |              |  |
|                                                                                             |               |                            |         |                          |            |                   |                     |   |                                                                                                                                                           |                     |         |              |  |
|                                                                                             |               | 1.00                       | D<br>HP | UCS(kPa)=210             |            | 1.10              | 139.04              |  | Fine ironstone gravel from 0.8-0.9m                                                                                                                       |                     |         |              |  |
|                                                                                             |               | 1.50                       | D       |                          |            |                   |                     |  | Recovered as friable yellow-orange and light grey SILT/CLAY with bands of very thinly laminated extremely weak orange siltstone.<br>GRINSTEAD CLAY MEMBER |                     |         |              |  |
|                                                                                             |               | 2.00                       | D       |                          |            |                   |                     |  |                                                                                                                                                           |                     |         |              |  |
| Remarks:                                                                                    |               |                            |         |                          |            |                   |                     |                                                                                      |                                                                                                                                                           |                     |         |              |  |
| Dry on completion.<br>Hand augered trial hole.                                              |               |                            |         |                          |            |                   |                     |                                                                                      |                                                                                                                                                           |                     |         |              |  |
| Status:                                                                                     |               | FINAL                      |         | Log Print Date and Time: |            | 09/08/2024 10:40  |                     | Log Approved By:                                                                     |                                                                                                                                                           | JNR                 |         |              |  |

|                                                                                   |               |                            |         |              |                          |      |                          |                                                                                     |                                                                                                                                                           |                     |              |  |
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|   |               |                            |         |              | Start - End Date:        |      | Project ID:              |                                                                                     | Hole Type:                                                                                                                                                |                     | WLS110       |  |
|                                                                                   |               |                            |         |              | 19/07/2024               |      | J15778                   |                                                                                     | HA                                                                                                                                                        |                     | Sheet 2 of 2 |  |
| Client:                                                                           |               | Octagon Developments Ltd.  |         |              |                          |      | Co-ordinates:            |                                                                                     | Level (m AOD)                                                                                                                                             |                     | Logger:      |  |
|                                                                                   |               |                            |         |              |                          |      | E 541218 - N 136862      |                                                                                     | 140.14                                                                                                                                                    |                     | SKT          |  |
| Project Name:                                                                     |               | Wealden House              |         |              |                          |      | Location:                |                                                                                     | Lewes Road, East Grinstead, West Sussex, RH19 3TB                                                                                                         |                     |              |  |
| Well                                                                              | Water Strikes | Samples and Insitu Testing |         |              | Progress                 |      | Depth (m)                | Level (m AOD)                                                                       | Legend                                                                                                                                                    | Stratum Description |              |  |
|                                                                                   |               | Depth (m)                  | Type/FI | Results      | Window Run               |      |                          |                                                                                     |                                                                                                                                                           |                     |              |  |
|  |               | 2.50                       | HP      | UCS(kPa)=250 |                          | 3.00 | (1.90)                   |  | Recovered as friable yellow-orange and light grey SILT/CLAY with bands of very thinly laminated extremely weak orange siltstone.<br>GRINSTEAD CLAY MEMBER |                     |              |  |
|                                                                                   |               | 2.90                       | D       |              |                          |      | End of Borehole at 3.00m |                                                                                     |                                                                                                                                                           |                     |              |  |
|                                                                                   |               |                            |         |              |                          |      |                          |                                                                                     |                                                                                                                                                           |                     | 3            |  |
|                                                                                   |               |                            |         |              |                          |      |                          |                                                                                     |                                                                                                                                                           |                     | 4            |  |
| Remarks:                                                                          |               |                            |         |              |                          |      |                          |                                                                                     |                                                                                                                                                           |                     |              |  |
| Dry on completion.<br>Hand augered trial hole.                                    |               |                            |         |              |                          |      |                          |                                                                                     |                                                                                                                                                           |                     |              |  |
| Status:                                                                           |               | FINAL                      |         |              | Log Print Date and Time: |      | 09/08/2024 10:40         |                                                                                     | Log Approved By:                                                                                                                                          |                     | JNR          |  |

|                                                                                             |               |                            |         |                          |            |                     |           |                                                                                      |                                                                                                                                |                     |  |              |  |
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| <div></div> |               |                            |         |                          |            | Start - End Date:   |           | Project ID:                                                                          |                                                                                                                                | Hole Type:          |  | WLS111       |  |
|                                                                                             |               |                            |         |                          |            | 19/07/2024          |           | J15778                                                                               |                                                                                                                                | HA                  |  | Sheet 1 of 2 |  |
| Client:                                                                                     |               | Octagon Developments Ltd.  |         |                          |            | Co-ordinates:       |           | Level (m AOD)                                                                        |                                                                                                                                | Logger:             |  |              |  |
|                                                                                             |               |                            |         |                          |            | E 541202 - N 136884 |           | 140.47                                                                               |                                                                                                                                | SKT                 |  |              |  |
| Project Name:                                                                               |               | Wealden House              |         |                          |            | Location:           |           | Lewes Road, East Grinstead, West Sussex, RH19 3TB                                    |                                                                                                                                |                     |  |              |  |
| Well                                                                                        | Water Strikes | Samples and Insitu Testing |         |                          | Progress   |                     | Depth (m) | Level (m AOD)                                                                        | Legend                                                                                                                         | Stratum Description |  |              |  |
|                                                                                             |               | Depth (m)                  | Type/Fl | Results                  | Window Run |                     |           |                                                                                      |                                                                                                                                |                     |  |              |  |
|            |               | 0.10                       | ES      |                          |            |                     | (0.30)    |    | Brown SILT/CLAY with abundant fine rootlets, rare cinder block and brick (TOPSOIL).                                            |                     |  |              |  |
|                                                                                             |               | 0.40                       | ES      |                          |            | 0.30                | 140.17    |   | Recovered as firm yellowish-brown mottled light grey silty CLAY.<br>GRINSTEAD CLAY MEMBER                                      | 1                   |  |              |  |
|                                                                                             |               | 1.00                       | D HP    | UCS(kPa)=130             |            |                     | (1.30)    |                                                                                      |                                                                                                                                |                     |  |              |  |
|                                                                                             |               | 1.50                       | D HP    | UCS(kPa)=140             |            |                     |           |                                                                                      |                                                                                                                                |                     |  |              |  |
|                                                                                             |               | 2.00                       | D       |                          |            | 1.60                | 138.87    |  | Recovered as stiff yellowish-brown mottled light grey sandy CLAY with abundant fine siltstone gravel.<br>GRINSTEAD CLAY MEMBER | 2                   |  |              |  |
| Remarks:                                                                                    |               |                            |         |                          |            |                     |           |                                                                                      |                                                                                                                                |                     |  |              |  |
| Dry on completion.<br>Hand augered trial hole.                                              |               |                            |         |                          |            |                     |           |                                                                                      |                                                                                                                                |                     |  |              |  |
| Status:                                                                                     |               | FINAL                      |         | Log Print Date and Time: |            | 09/08/2024 10:40    |           | Log Approved By:                                                                     |                                                                                                                                | JNR                 |  |              |  |



|                                                                                             |               |                            |         |         |                          |      |                     |                                                                                     |                                                                                                                             |                     |              |  |
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| <div></div> |               |                            |         |         | Start - End Date:        |      | Project ID:         |                                                                                     | Hole Type:                                                                                                                  |                     | WLS111       |  |
|                                                                                             |               |                            |         |         | 19/07/2024               |      | J15778              |                                                                                     | HA                                                                                                                          |                     | Sheet 2 of 2 |  |
| Client:                                                                                     |               | Octagon Developments Ltd.  |         |         |                          |      | Co-ordinates:       |                                                                                     | Level (m AOD)                                                                                                               |                     | Logger:      |  |
|                                                                                             |               |                            |         |         |                          |      | E 541202 - N 136884 |                                                                                     | 140.47                                                                                                                      |                     | SKT          |  |
| Project Name:                                                                               |               | Wealden House              |         |         |                          |      | Location:           |                                                                                     | Lewes Road, East Grinstead, West Sussex, RH19 3TB                                                                           |                     |              |  |
| Well                                                                                        | Water Strikes | Samples and Insitu Testing |         |         | Progress                 |      | Depth (m)           | Level (m AOD)                                                                       | Legend                                                                                                                      | Stratum Description |              |  |
|                                                                                             |               | Depth (m)                  | Type/Fl | Results | Window Run               |      |                     |                                                                                     |                                                                                                                             |                     |              |  |
|            |               |                            |         |         |                          | 3.00 | 137.47              |  | Recovered as stiff yellowish-brown mottled light grey sandy CLAY with abundant fine siltstone gravel. GRINSTEAD CLAY MEMBER |                     | 3            |  |
|                                                                                             |               |                            |         |         |                          |      |                     |                                                                                     | End of Borehole at 3.00m                                                                                                    |                     |              |  |
|                                                                                             |               |                            |         |         |                          |      |                     |                                                                                     |                                                                                                                             |                     | 4            |  |
| Remarks:                                                                                    |               |                            |         |         |                          |      |                     |                                                                                     |                                                                                                                             |                     |              |  |
| Dry on completion.<br>Hand augered trial hole.                                              |               |                            |         |         |                          |      |                     |                                                                                     |                                                                                                                             |                     |              |  |
| Status:                                                                                     |               | FINAL                      |         |         | Log Print Date and Time: |      | 09/08/2024 10:40    |                                                                                     | Log Approved By:                                                                                                            |                     | JNR          |  |

|                                                                                             |               |                            |         |                          |            |                   |                     |                                                                                      |                                                                                     |                                                                                                                                                     |         |              |  |
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| <div></div> |               |                            |         |                          |            | Start - End Date: |                     | Project ID:                                                                          |                                                                                     | Hole Type:                                                                                                                                          |         | WSL112       |  |
|                                                                                             |               |                            |         |                          |            | 19/07/2024        |                     | J15778                                                                               |                                                                                     | HA                                                                                                                                                  |         | Sheet 1 of 1 |  |
| Client:                                                                                     |               | Octagon Developments Ltd.  |         |                          |            |                   | Co-ordinates:       |                                                                                      | Level (m AOD)                                                                       |                                                                                                                                                     | Logger: |              |  |
|                                                                                             |               |                            |         |                          |            |                   | E 541177 - N 136866 |                                                                                      | 138.41                                                                              |                                                                                                                                                     | SKT     |              |  |
| Project Name:                                                                               |               | Wealden House              |         |                          |            |                   | Location:           |                                                                                      | Lewes Road, East Grinstead, West Sussex, RH19 3TB                                   |                                                                                                                                                     |         |              |  |
| Well                                                                                        | Water Strikes | Samples and Insitu Testing |         |                          | Progress   |                   | Depth (m)           | Level (m AOD)                                                                        | Legend                                                                              | Stratum Description                                                                                                                                 |         |              |  |
|                                                                                             |               | Depth (m)                  | Type/Fl | Results                  | Window Run |                   |                     |                                                                                      |                                                                                     |                                                                                                                                                     |         |              |  |
|            |               | 0.10                       | ES      |                          |            | 0.20              | (0.20)              |    | Brown silty CLAY with frequent rootlets (TOPSOIL).                                  |                                                                                                                                                     |         |              |  |
|                                                                                             |               | 0.30                       | ES      |                          |            |                   | 138.21              |                                                                                      |  | Stiff pale brown and yellow-brown silty sandy CLAY with bands of very thinly laminated extremely weak siltstone from 1.0m.<br>GRINSTEAD CLAY MEMBER |         |              |  |
|                                                                                             |               | 1.00                       | D HP    | UCS(kPa)=150             |            | 1.80              | (1.60)              |  | Siltstone gravel at 1.0m                                                            |                                                                                                                                                     |         |              |  |
|                                                                                             |               | 1.50                       | D HP    | UCS(kPa)=150             |            |                   | 136.61              |                                                                                      | End of Borehole at 1.80m                                                            |                                                                                                                                                     |         |              |  |
| Remarks:                                                                                    |               |                            |         |                          |            |                   |                     |                                                                                      |                                                                                     |                                                                                                                                                     | 1       |              |  |
| Dry on completion.<br>Hand augered trial hole.<br>Refusal at 1.8m.                          |               |                            |         |                          |            |                   |                     |                                                                                      |                                                                                     |                                                                                                                                                     |         |              |  |
| Status:                                                                                     |               | FINAL                      |         | Log Print Date and Time: |            | 09/08/2024 10:40  |                     | Log Approved By:                                                                     |                                                                                     | JNR                                                                                                                                                 |         |              |  |



## APPENDIX B

### Field Sampling and In-Situ Test Methods and Results



B

## Soil and Rock Descriptions

All soil and rock descriptions are in general accordance with BS5930 Ref [4].

Anthropogenic soils ('made ground' or 'fill') describe materials which have been placed by man and can be divided into those composed of reworked natural soils and those composed of or containing man-made materials. 'Fill' is used to describe material placed in a controlled manner and 'made ground' is used to describe materials placed without strict engineering control.

The classification of materials such as topsoil is based on visual description only and should not be interpreted to mean that the material complies with criteria used in BS 3882 Ref [26].

Chalk descriptions are based on CIRIA C574 Ref [27] and Mortimore Ref [28].

The geology code is only provided on logs where a positive identification of the sample strata has been made.

## Inspection Pit

Inspection pits are hand excavated from the surface (maximum depth 1.2 – 1.5m) using appropriate tools to locate and avoid existing buried services at exploratory hole positions. They are also regularly used as part of investigations on existing structures to expose and determine foundation detail.

## Dynamic Sampling - Window or Windowless

Window sampling is carried out by driving hollow steel tubes incorporating a longitudinal access slot (window) and a cutting shoe into the ground using a percussive 'breaker'. This enables recovery of a continuous soil sample for examination and sub-sampling.

Windowless samplers are designed for taking disturbed, continuous soil samples to depths up to 10 metres (depending on ground conditions). The samplers comprise steel tubes of about 50-100mm diameter with a rigid plastic liner (no window) and are driven into the ground with a sliding hammer mounted on a tracked purpose-designed soil sampling rig. After driving and extracting the sampler from the ground, the plastic liner is extracted together with the enclosed soil sample. The sample can then either be extracted, split and sub-sampled or plastic end caps may be fitted, the tube labelled and transported for future examination and sub-sampling.

Soil samples are disturbed by the driving process with both techniques and can be regarded as being between Class 5 up to Class 3 samples at best (in favourable ground).

The major advantage of using windowless samplers is that the plastic liner greatly reduces the possibility of cross-contamination between successive samples.

An equivalent in-situ test to the Standard Penetration Test can be carried out with the windowless sampler rig.

## Standard Penetration Test (SPT)

The Standard Penetration Test (SPT) is specified in BS EN ISO 22476-3 Ref [29]. In this test, an open-ended tube is driven into the ground by blows from a free-falling hammer (with specified sizes, weights and distances).

The tube is seated by driving to a penetration of 150mm, or by 25 blows, whichever occurs first. It is then driven for a maximum of a further 300mm and the number of blows is termed the penetration resistance (N). If 300mm penetration cannot be achieved in 50 blows, the test drive is terminated and penetration depth is recorded.

When testing in gravels, a conical end piece is attached to the tube. The test is then called an SPT(C).

A classification of relative density descriptions as used on borehole logs, based upon uncorrected SPT N values, is given within BS5930 Ref [4] and set out as follows:

| Classification based on uncorrected SPT N Value | Term         |
|-------------------------------------------------|--------------|
| 0 - 4                                           | Very Loose   |
| 4 - 10                                          | Loose        |
| 10 - 30                                         | Medium Dense |
| 30 - 50                                         | Dense        |
| Over 50                                         | Very Dense   |

### Perth Penetrometer Test

The Perth Penetrometer is a non-standard test used for assessing the relative density of sands. It consists of a 16 mm diameter hardened steel probe, which is driven into the soil by successive blows of a 9.09 kg weight, which freely falls over a distance of 600 mm. The number of blows required for each 50 mm of penetration is recorded, and the test is continued for a total depth of 450 mm, according to soil type.

The energy input is roughly the same as that from the Standard Penetration Test (SPT), and experience by this laboratory indicate that in sand the Perth Penetrometer readings correlate fairly well with SPT blow counts (this relationship does not hold for coarse or cohesive soils). A classification of relative density descriptions as used on trial pit logs is given below.

| Perth Correlation with uncorrected SPT N Value | Term         |
|------------------------------------------------|--------------|
| 0 - 4                                          | Very Loose   |
| 4 - 10                                         | Loose        |
| 10 - 30                                        | Medium Dense |
| 30 - 50                                        | Dense        |
| Over 50                                        | Very Dense   |

### Hand Penetrometer Test

The handheld soil penetrometer consists of a spring loaded and calibrated plunger which is forced into cohesive soil. A reading of unconfined compression strength (equal to twice cohesion) is given on a calibrated scale. The average of a set of three readings shall be recorded.

In common with other hand methods of strength assessment it does not give an accurate indication of bearing capacity in stiff or fissured soils, because of the small test area.

### Dynamic Cone Penetrometer (DCP) CBR Test (Modified)

The dynamic cone CBR test uses light portable equipment and is used to provide a continuous record of the penetration resistance of each layer in the ground for a depth of a metre from the surface. The penetration resistance provides a measure from which CBR values may be calculated.

In the test a 22 mm diameter 60° cone is driven into the ground to a depth of up to one metre by a 9.09 kg weight, freely falling over 600 mm. The number of blows is recorded for each successive 50mm penetration increment.

A plot of the cumulative number of blows versus depth penetrated is drawn. This plot usually takes the form of a series of straight lines, the slopes of which are measured and expressed as penetration in mm per blow. It is the practice of this laboratory to adopt the lower of two values derived from formulae established by Kleyn & Van Heerden Ref [30]

$$CBR = 10^{(2.632 - 1.28 \log_{10} (mm / blow))}$$

& TRL Ref [31]

$$CBR = 10^{(2.48 - 1.057 \log_{10} (mm / blow))}$$

The test is an adaptation of the Perth Penetrometer Test developed for the granular soils in Perth West Australia in the 1960s, and in the UK by this laboratory since 1973. It is similar to the TRL dynamic cone penetrometer. Local experience by this laboratory has shown in UK conditions it has been found to give consistent results for granular soils.

### Disturbed Samples

Disturbed samples were taken from exploratory holes in general accordance with BS 5930 [4] and BS EN ISO 22475-1 Ref [32] as required and stored in appropriately labelled containers. Details of the type, size and depth of sample will be recorded within the exploratory hole record. Such samples can be regarded as being between Class 5 up to Class 3 quality depending upon their method of sampling.

### Environmental Samples



Environmental samples were taken from the boreholes at regular intervals in the made ground and natural soils as indicated on the exploratory hole logs. The sampling strategy was in general accordance with BS10175 Ref [5] and BS ISO 18400 Refs [33], [34], [35], [36] & [37].

These samples were collected and stored in glass jars or plastic pots and transferred to the laboratory in cool boxes as appropriate to the proposed laboratory testing.

#### **Groundwater Monitoring – Dip Meter**

The dip meter is used to measure standing water levels within boreholes. The probe is lowered into the borehole until the meter detects the groundwater with an audible 'beep'. The level is then read from the tape.

#### **Soakage Tests (after BRE DG365 2016)**

The BRE DG365 Ref [38] paper on soakaway design allows for the design of trench soakaways as well as traditional square and circular soakaways.

The test to measure the soil infiltration rate is carried out in pits which are excavated to the full depth of the proposed soakaway. The trial pits are filled and allowed to drain to empty or near empty, three times, on the same day or on consecutive days. Water levels are recorded against time. Where the sides are unstable the pit should be filled with granular material to provide stability during the test.

Calculated soakage rates are expressed as  $\text{l/m}^2/\text{minute}$ , which is a convenient rate to use. The BRE use a unit of  $\text{m/sec}$ , which is the value in  $\text{l/m}^2/\text{minute}$  divided by 60,000.

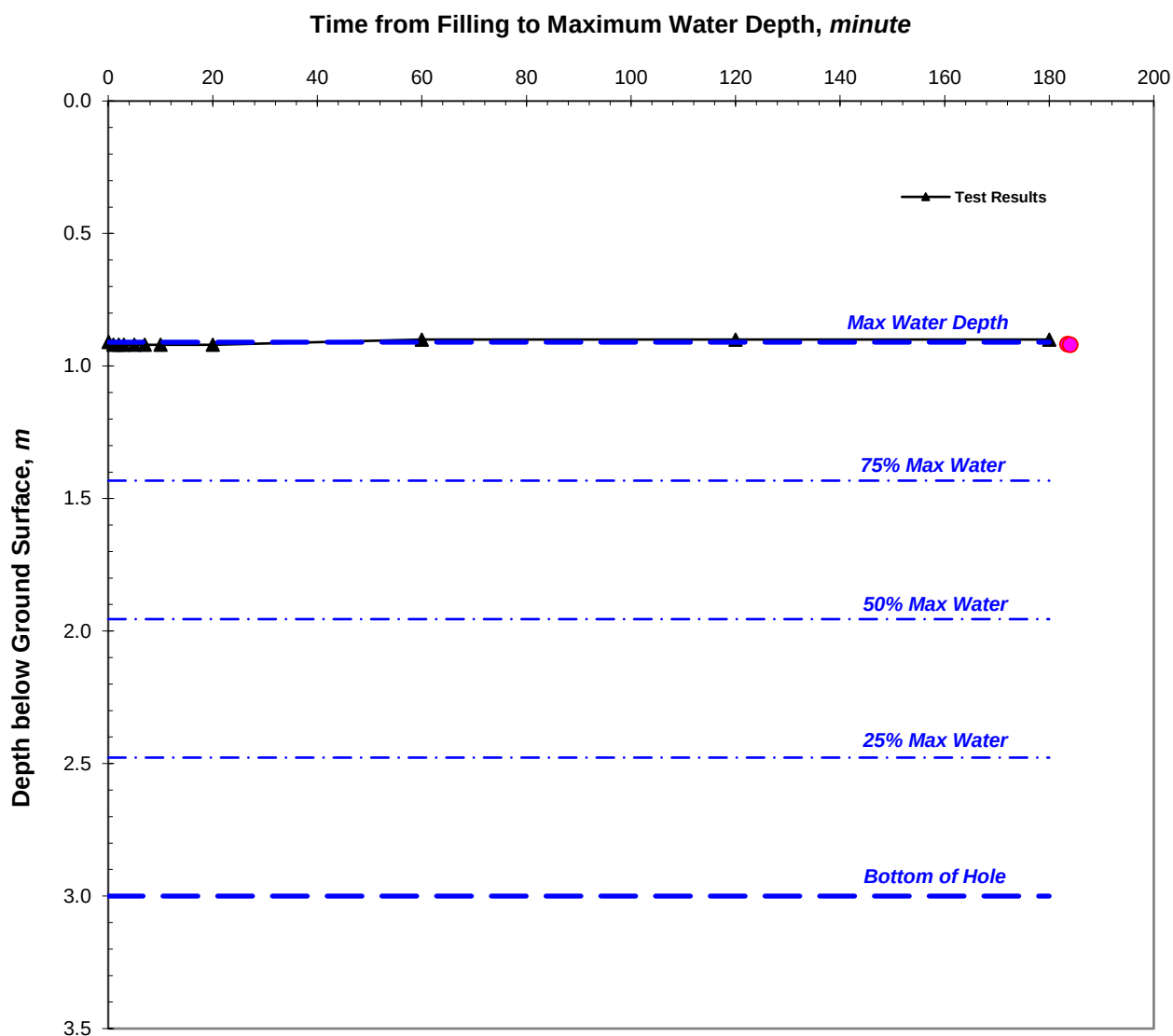
## Summary Sheet

### Results of Preliminary Falling-Head Soakage Tests

|                                                      |         |                        |                                                              |                                                                         |                         |                                                          |                                                |
|------------------------------------------------------|---------|------------------------|--------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------|----------------------------------------------------------|------------------------------------------------|
| Site : Wealden House/Former EDF Energy Office, Lewes |         |                        |                                                              |                                                                         | Job No : J15778         |                                                          |                                                |
| Client : Octagon Developments                        |         |                        |                                                              |                                                                         | O S Reference :         |                                                          |                                                |
| Tested By : OS/JS                                    |         |                        |                                                              | Engineer: SKT                                                           |                         | Test Date : 18/Jul/2024                                  |                                                |
| Hole No                                              | Test No | Hole Depth<br><i>m</i> | Soakage Rate for Each Test<br><i>litre/m<sup>2</sup>/min</i> | Soakage Rate for Each Hole<br><i>litre/m<sup>2</sup>/min      m/sec</i> |                         | Water Level at Finish of Test                            | Remarks                                        |
| WLS101                                               | No 1    | 3.00                   | N/A                                                          | N/A                                                                     | N/A                     | Pit was not emptied; Non compliant value was calculated. | Test undertaken in windowless sampler borehole |
| WLS112                                               | No 1    | 1.80                   | 0.0020                                                       | 0.0020                                                                  | 3.28E-8                 | Pit was not emptied; Non compliant value was calculated. | Test undertaken in windowless sampler borehole |
| Mean Value of All Calculated Soakage Rates :         |         |                        |                                                              | 0.0020<br><i>litre/m<sup>2</sup>/min</i>                                | 3.28E-8<br><i>m/sec</i> |                                                          |                                                |

## Preliminary Falling-Head Soakage Test

**Test Hole No:** WLS101  
**Test No:** Test No 1 (Initial)



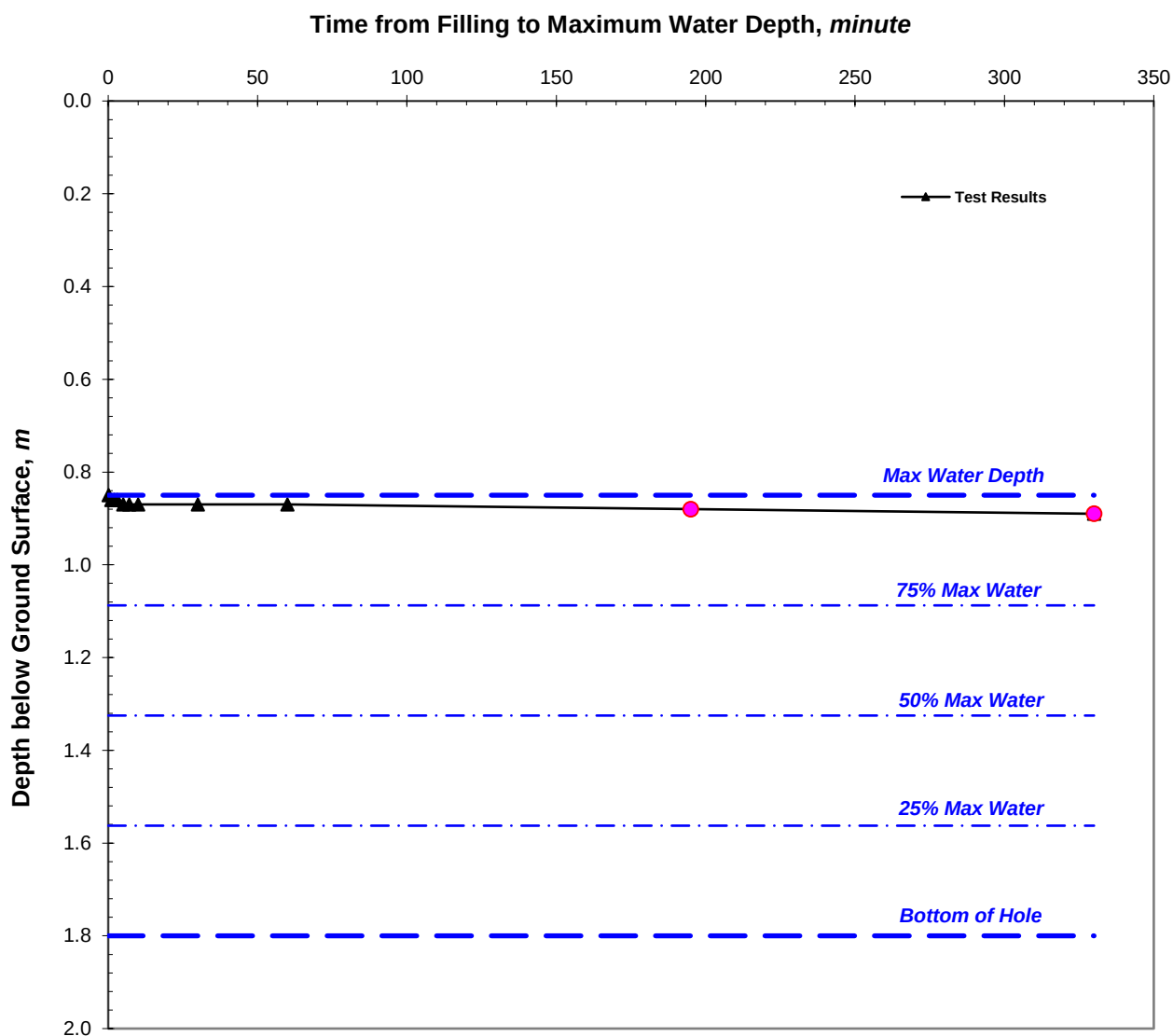
|                                    |       |                                              |       |
|------------------------------------|-------|----------------------------------------------|-------|
| Diameter of Borehole, m            | 0.100 | Depth to Water at Start of Test, m           | 0.910 |
| Depth to End of Borehole Casing, m |       | Max Water Dropdown during Test, m            | 0.010 |
| Depth to Borehole Base, m          | 3.000 | Total Soakage Test Time, min                 | 180.0 |
| Depth to Top of Permeable Soils, m |       | Mean Internal Discharge Area, m <sup>2</sup> | 0.662 |
| Depth to Groundwater Surface, m    |       | Discharge Rate, litre/min                    |       |
| Depth to Top of Granular Fill, m   |       | Soakage Rate, litre/m <sup>2</sup> /min      | N/A   |
| Voids Assumed within Borehole, %   | 100%  | BRE Soil Infiltration Rate, m/sec            | N/A   |

**Comments:** Test undertaken in windowless sampler borehole  
Water level arose during the test, soakage rate calculation is not applicable.

|                                                     |                         |                               |
|-----------------------------------------------------|-------------------------|-------------------------------|
| <b>Client:</b> Octagon Developments                 | <b>Job No:</b> J15778   | <b>Test Date:</b> 18/Jul/2024 |
| <b>Site:</b> Wealden House/Former EDF Energy Office | <b>Tested By:</b> OS/JS | <b>Engineer:</b> SKT          |
|                                                     |                         | <b>Fig. S1</b>                |

## Preliminary Falling-Head Soakage Test

**Test Hole No:** WLS112  
**Test No:** Test No 1 (Initial)



|                                    |       |                                              |                 |
|------------------------------------|-------|----------------------------------------------|-----------------|
| Diameter of Borehole, m            | 0.100 | Depth to Water at Start of Test, m           | 0.850           |
| Depth to End of Borehole Casing, m |       | Max Water Dropdown during Test, m            | 0.040           |
| Depth to Borehole Base, m          | 1.800 | Total Soakage Test Time, min                 | 330.0           |
| Depth to Top of Permeable Soils, m |       | Mean Internal Discharge Area, m <sup>2</sup> | 0.295           |
| Depth to Groundwater Surface, m    |       | Discharge Rate, litre/min                    | 0.001           |
| Depth to Top of Granular Fill, m   |       | Soakage Rate, litre/m <sup>2</sup> /min      | <b>0.0020</b>   |
| Voids Assumed within Borehole, %   | 100%  | BRE Soil Infiltration Rate, m/sec            | <b>3.28E-08</b> |

**Comments:** Test undertaken in windowless sampler borehole  
Water level did not fall to 75% max water depth, calculations were based on actual fall of water level achieved.  
Result not compliant with BRE365 requirement since water did not fall to 25% max water depth.

|                                                     |                         |                                     |
|-----------------------------------------------------|-------------------------|-------------------------------------|
| <b>Client:</b> Octagon Developments                 | <b>Job No:</b> J15778   | <b>Test Date:</b> 18/Jul/2024       |
| <b>Site:</b> Wealden House/Former EDF Energy Office | <b>Tested By:</b> OS/JS | <b>Engineer:</b> SKT <b>Fig. S2</b> |

## Dynamic Cone Penetrometer (DCP) Test Results

**Test No: WLS102**

Chainage:

Tested By: GC

Start Layer: GL

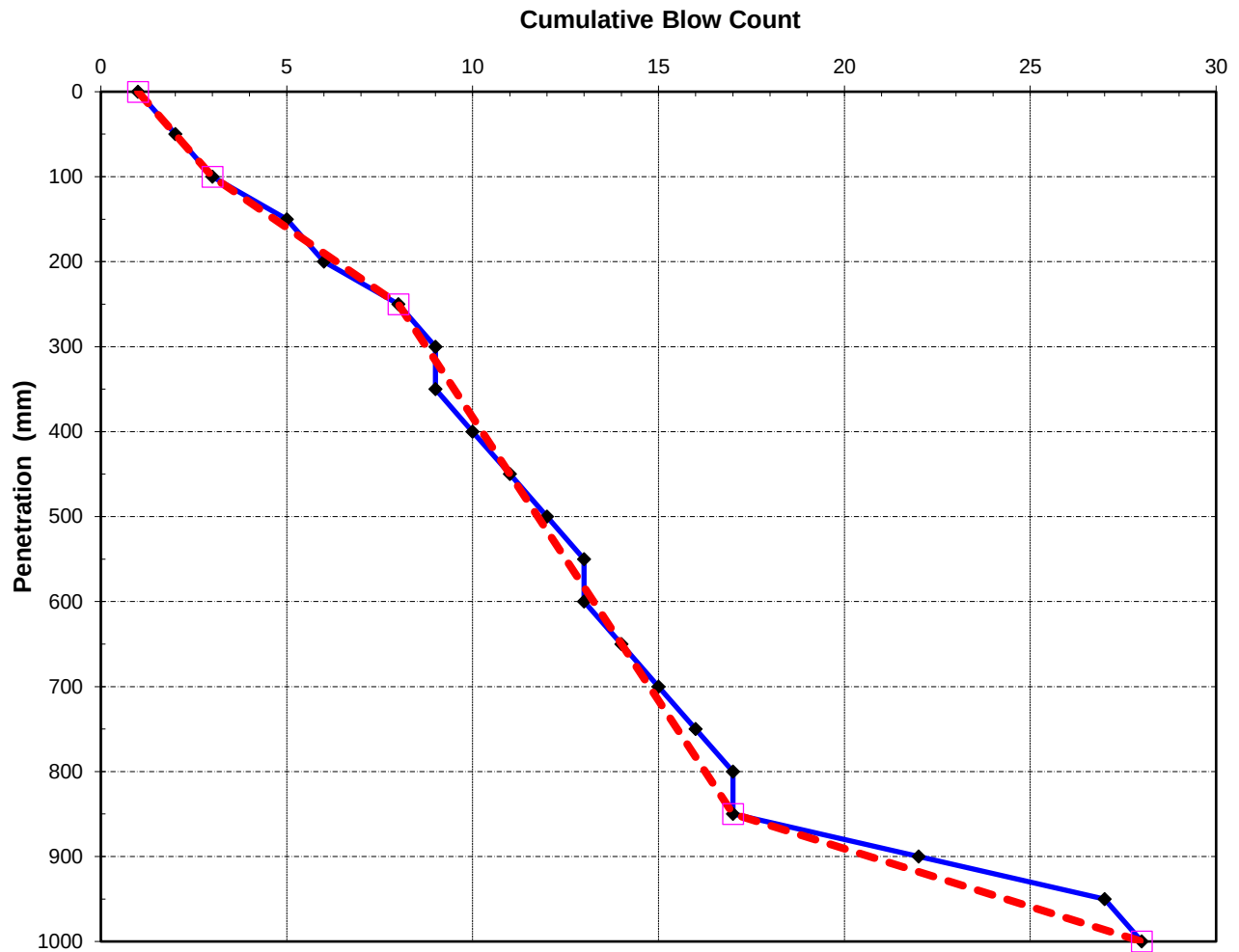
Checked By: SKT

Soil Condition: Topsoil

Test Date: 19-Jul-24

Notes:

### Perth Cone CBR Penetration vs Cumulative Blow Count



### Evaluated CBR Values from DCP Test Results

| Layer No | From (mm) | To (mm) | Depth (mm) | Blow Count | No. of Blows | DCP mm/blow | CBR % | Soil Type | Remarks |
|----------|-----------|---------|------------|------------|--------------|-------------|-------|-----------|---------|
| 1        | 0         | 100     | 100        | 3          | 2            | 50.0        | 2.9   |           |         |
| 2        | 100       | 250     | 150        | 8          | 5            | 30.0        | 5.5   |           |         |
| 3        | 250       | 850     | 600        | 17         | 9            | 66.7        | 2.0   |           |         |
| 4        | 850       | 1000    | 150        | 28         | 11           | 13.6        | 15    |           |         |

**Client:** Octagon Developments

**Job No:** J15778

**Site:** Wealden House/Former EDF Energy Office, L

**Date:** 30/07/2024

**Fig. WLS102**



## Dynamic Cone Penetrometer (DCP) Test Results

**Test No: WLS103**

Chainage:

Tested By: GC

Start Layer: GL

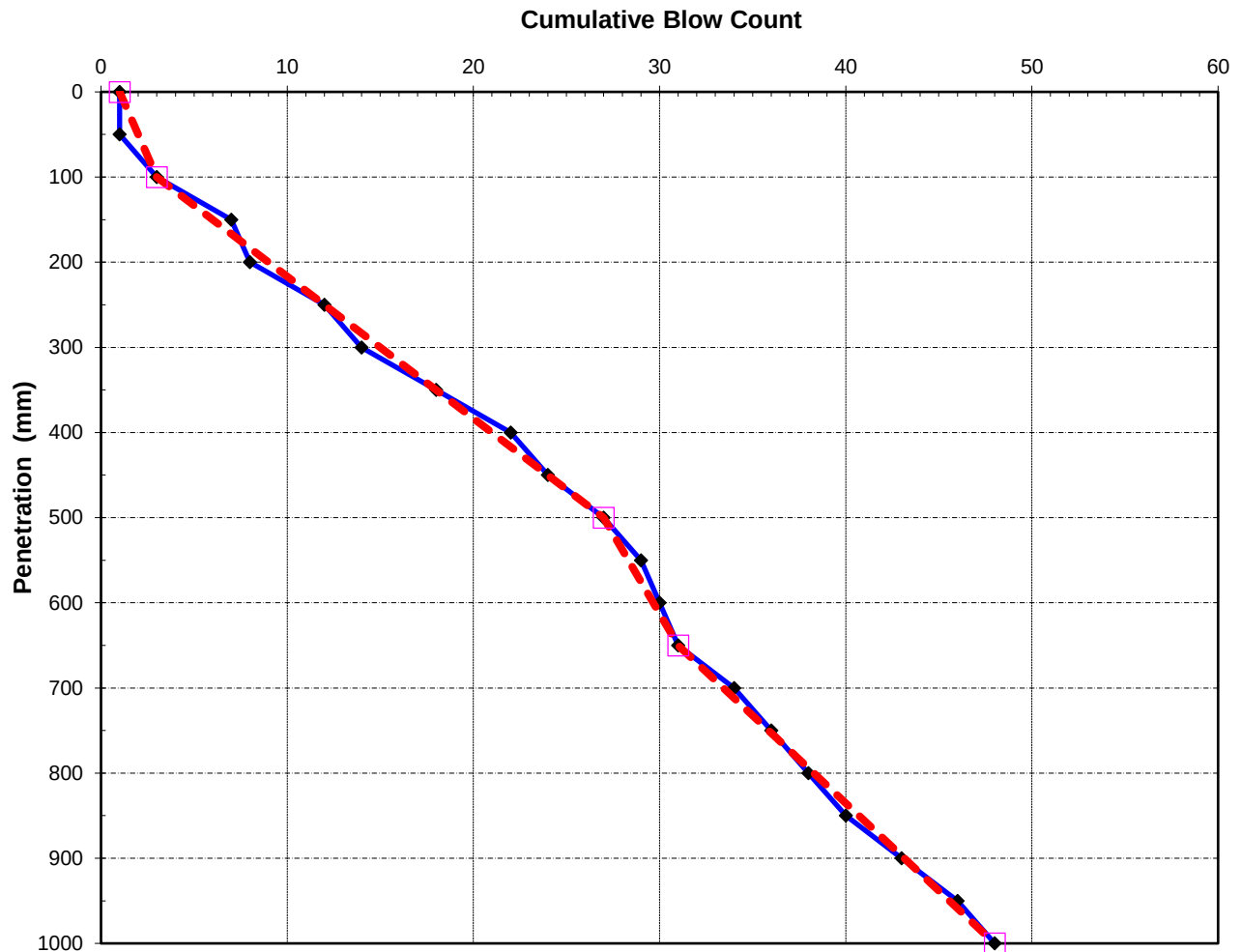
Checked By: SKT

Soil Condition: Topsoil

Test Date: 19-Jul-24

Notes:

### Perth Cone CBR Penetration vs Cumulative Blow Count



### Evaluated CBR Values from DCP Test Results

| Layer No | From (mm) | To (mm) | Depth (mm) | Blow Count | No. of Blows | DCP mm/blow | CBR % | Soil Type | Remarks |
|----------|-----------|---------|------------|------------|--------------|-------------|-------|-----------|---------|
| 1        | 0         | 100     | 100        | 3          | 2            | 50.0        | 2.9   |           |         |
| 2        | 100       | 500     | 400        | 27         | 24           | 16.7        | 12    |           |         |
| 3        | 500       | 650     | 150        | 31         | 4            | 37.5        | 4.1   |           |         |
| 4        | 650       | 1000    | 350        | 48         | 17           | 20.6        | 8.9   |           |         |

**Client:** Octagon Developments

**Job No:** J15778

**Site:** Wealden House/Former EDF Energy Office, L

**Date:** 30/07/2024

**Fig. WLS103**

## Dynamic Cone Penetrometer (DCP) Test Results

**Test No:** WLS105

Chainage:

Tested By: GC

Start Layer: GL

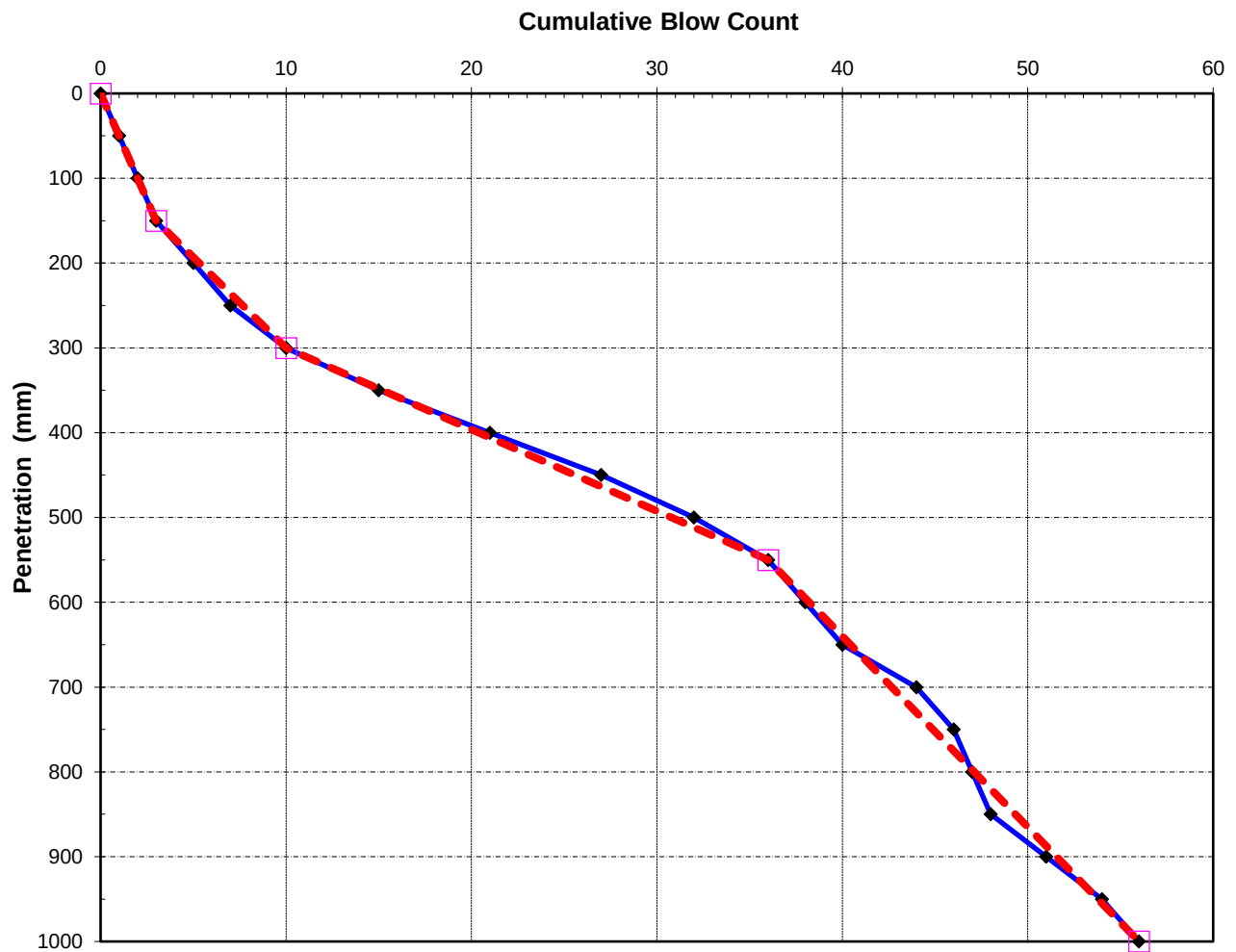
Checked By: SKT

Soil Condition: Topsoil

Test Date: 19-Jul-24

Notes:

### Perth Cone CBR Penetration vs Cumulative Blow Count



### Evaluated CBR Values from DCP Test Results

| Layer No | From (mm) | To (mm) | Depth (mm) | Blow Count | No. of Blows | DCP mm/blow | CBR % | Soil Type | Remarks |
|----------|-----------|---------|------------|------------|--------------|-------------|-------|-----------|---------|
| 1        | 0         | 150     | 150        | 3          | 3            | 50.0        | 2.9   |           |         |
| 2        | 150       | 300     | 150        | 10         | 7            | 21.4        | 8.5   |           |         |
| 3        | 300       | 550     | 250        | 36         | 26           | 9.6         | 24    |           |         |
| 4        | 550       | 1000    | 450        | 56         | 20           | 22.5        | 8.0   |           |         |

**Client:** Octagon Developments

**Job No:** J15778

**Site:** Wealden House/Former EDF Energy Office, L

**Date:** 30/07/2024

**Fig.** WLS105

## Dynamic Cone Penetrometer (DCP) Test Results

**Test No: WLS109**

Chainage:

Tested By: GC

Start Layer: GL

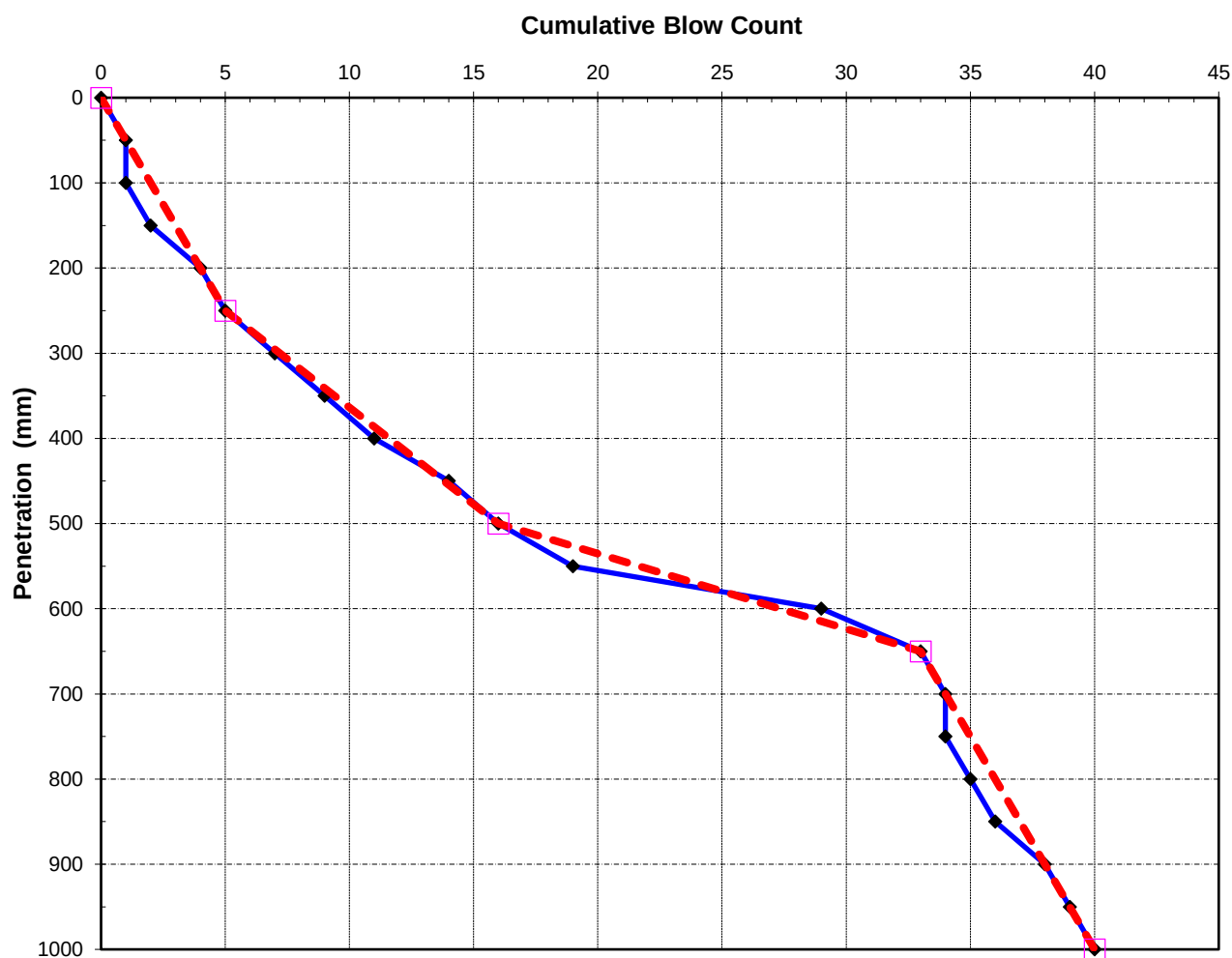
Checked By: SKT

Soil Condition: Topsoil

Test Date: 19-Jul-24

Notes:

### Perth Cone CBR Penetration vs Cumulative Blow Count



### Evaluated CBR Values from DCP Test Results

| Layer No | From (mm) | To (mm) | Depth (mm) | Blow Count | No. of Blows | DCP mm/blow | CBR % | Soil Type | Remarks |
|----------|-----------|---------|------------|------------|--------------|-------------|-------|-----------|---------|
| 1        | 0         | 250     | 250        | 5          | 5            | 50.0        | 2.9   |           |         |
| 2        | 250       | 500     | 250        | 16         | 11           | 22.7        | 7.9   |           |         |
| 3        | 500       | 650     | 150        | 33         | 17           | 8.8         | 26    |           |         |
| 4        | 650       | 1000    | 350        | 40         | 7            | 50.0        | 2.9   |           |         |

**Client:** Octagon Developments

**Job No:** J15778

**Site:** Wealden House/Former EDF Energy Office, L

**Date:** 30/07/2024

**Fig. WLS109**

## Dynamic Cone Penetrometer (DCP) Test Results

**Test No:** WLS110

Chainage:

Tested By: GC

Start Layer: GL

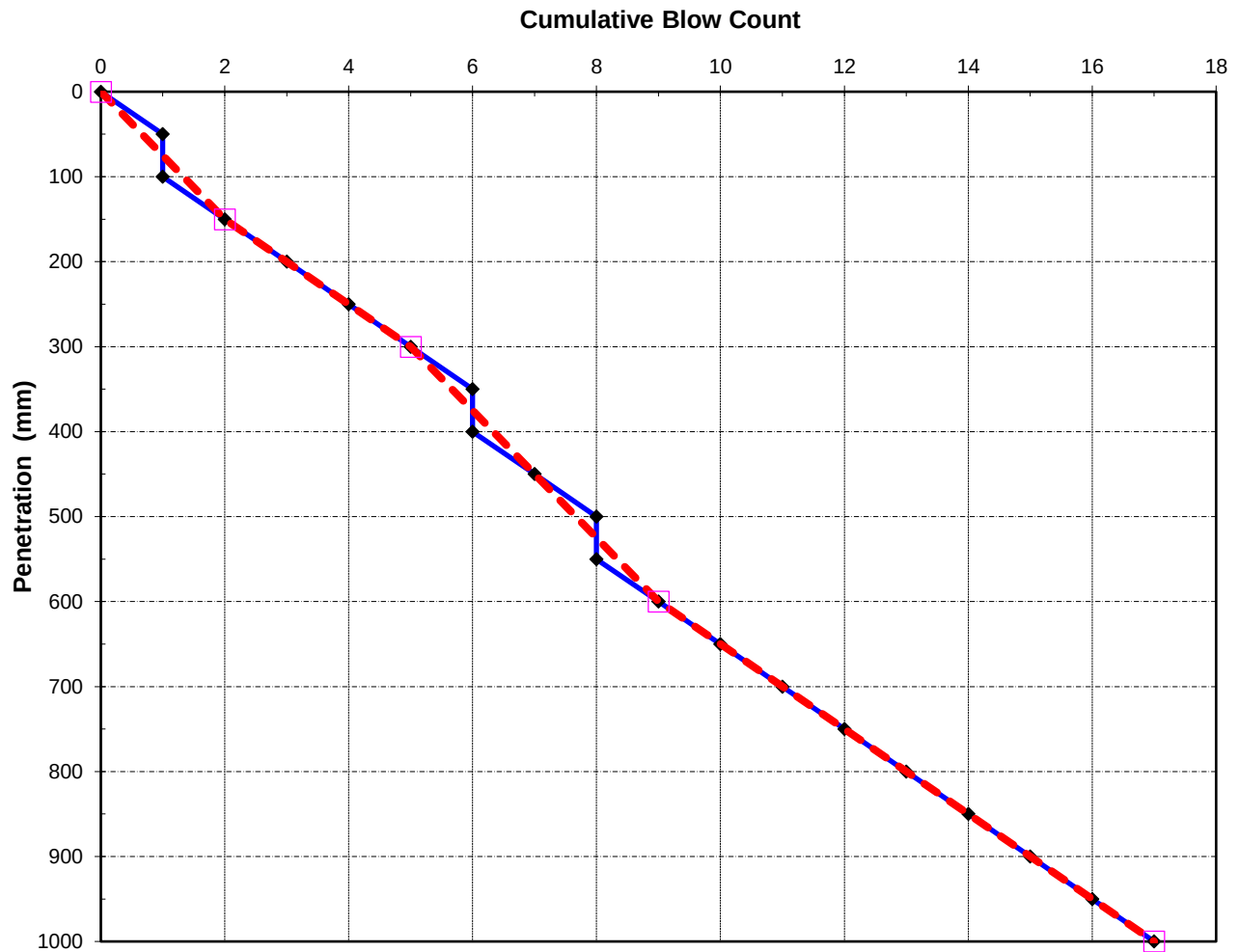
Checked By: SKT

Soil Condition: Topsoil

Test Date: 19-Jul-24

Notes:

### Perth Cone CBR Penetration vs Cumulative Blow Count



### Evaluated CBR Values from DCP Test Results

| Layer No | From (mm) | To (mm) | Depth (mm) | Blow Count | No. of Blows | DCP mm/blow | CBR % | Soil Type | Remarks |
|----------|-----------|---------|------------|------------|--------------|-------------|-------|-----------|---------|
| 1        | 0         | 150     | 150        | 2          | 2            | 75.0        | 1.7   |           |         |
| 2        | 150       | 300     | 150        | 5          | 3            | 50.0        | 2.9   |           |         |
| 3        | 300       | 600     | 300        | 9          | 4            | 75.0        | 1.7   |           |         |
| 4        | 600       | 1000    | 400        | 17         | 8            | 50.0        | 2.9   |           |         |

**Client:** Octagon Developments

**Job No:** J15778

**Site:** Wealden House/Former EDF Energy Office, L

**Date:** 30/07/2024

**Fig.** WLS110

## Dynamic Cone Penetrometer (DCP) Test Results

Test No: **WLS111**

Chainage:

Tested By: GC

Start Layer: GL

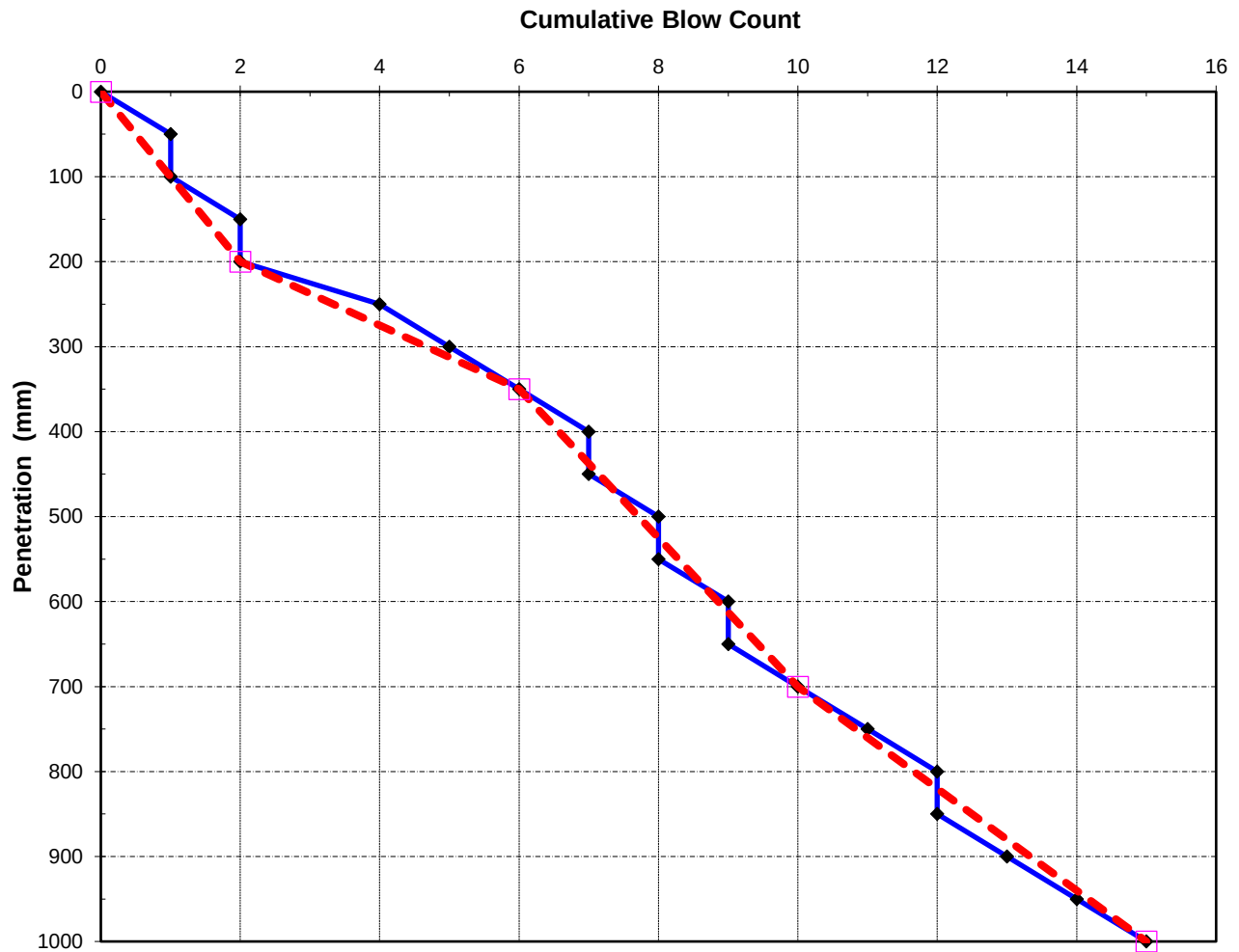
Checked By: SKT

Soil Condition: Topsoil

Test Date: 19-Jul-24

Notes:

### Perth Cone CBR Penetration vs Cumulative Blow Count



### Evaluated CBR Values from DCP Test Results

| Layer No | From (mm) | To (mm) | Depth (mm) | Blow Count | No. of Blows | DCP mm/blow | CBR % | Soil Type | Remarks |
|----------|-----------|---------|------------|------------|--------------|-------------|-------|-----------|---------|
| 1        | 0         | 200     | 200        | 2          | 2            | 100.0       | 1.2   |           |         |
| 2        | 200       | 350     | 150        | 6          | 4            | 37.5        | 4.1   |           |         |
| 3        | 350       | 700     | 350        | 10         | 4            | 87.5        | 1.4   |           |         |
| 4        | 700       | 1000    | 300        | 15         | 5            | 60.0        | 2.3   |           |         |

Client: **Octagon Developments**

Job No: **J15778**

Site: **Wealden House/Former EDF Energy Office, L**

Date: **30/07/2024**

Fig. **WLS111**



## Dynamic Cone Penetrometer (DCP) Test Results

Test No: **WLS112**

Chainage:

Tested By: GC

Start Layer: GL

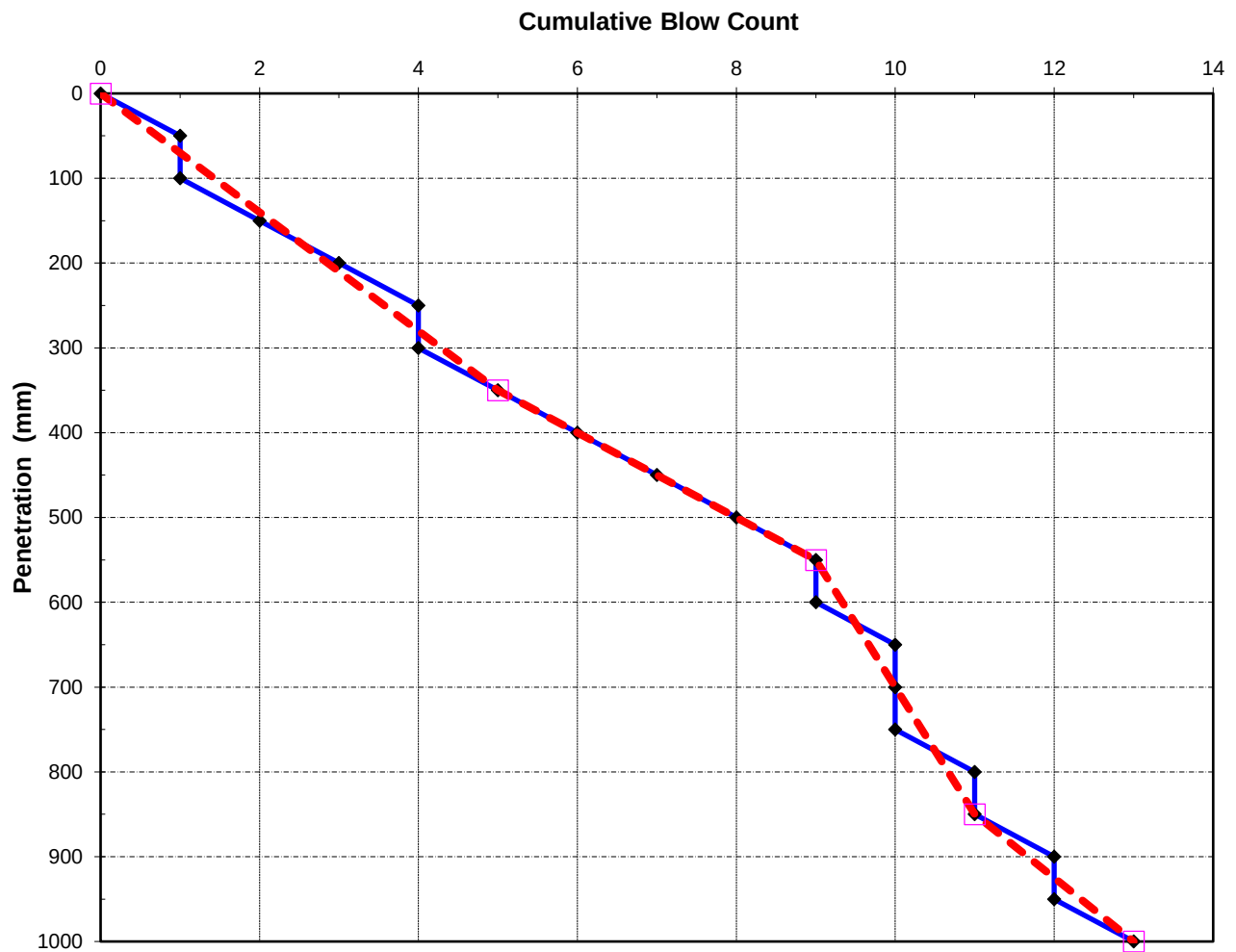
Checked By: SKT

Soil Condition: Topsoil

Test Date: 19-Jul-24

Notes:

### Perth Cone CBR Penetration vs Cumulative Blow Count



### Evaluated CBR Values from DCP Test Results

| Layer No | From (mm) | To (mm) | Depth (mm) | Blow Count | No. of Blows | DCP mm/blow | CBR % | Soil Type | Remarks |
|----------|-----------|---------|------------|------------|--------------|-------------|-------|-----------|---------|
| 1        | 0         | 350     | 350        | 5          | 5            | 70.0        | 1.9   |           |         |
| 2        | 350       | 550     | 200        | 9          | 4            | 50.0        | 2.9   |           |         |
| 3        | 550       | 850     | 300        | 11         | 2            | 150.0       | 0.7   |           |         |
| 4        | 850       | 1000    | 150        | 13         | 2            | 75.0        | 1.7   |           |         |

Client: **Octagon Developments**

Job No: **J15778**

Site: **Wealden House/Former EDF Energy Office, L**

Date: **30/07/2024**

Fig. **WLS112**

|                                          |                              |                     |
|------------------------------------------|------------------------------|---------------------|
| <b>Project:</b> Wealden House            | <b>Project ID:</b> J15778    | <b>Figure: SPT1</b> |
| <b>Client:</b> Octagon Developments Ltd. | <b>Project Engineer:</b> SKT |                     |

### STANDARD PENETRATION TEST (SPT) RESULTS

\* Note: N60 correction for energy delivered to rods only. Energy loss due to length of rods and overburden pressure not considered.

| Location ID | Test Depth (m bgl) | Test Type | SPT Hammer Ref. | Energy Ratio % | Seating Blows/Penetration |     |     |     | Main Test Blows/Penetration |     |     |     |     |     |     |     | N Value | N60 * | Reported Result            |
|-------------|--------------------|-----------|-----------------|----------------|---------------------------|-----|-----|-----|-----------------------------|-----|-----|-----|-----|-----|-----|-----|---------|-------|----------------------------|
|             |                    |           |                 |                | SB1                       | SP1 | SB2 | SP2 | MB1                         | MP1 | MB2 | MP2 | MB3 | MP3 | MB4 | MP4 |         |       |                            |
| WLS101      | 1.00               | S         | RP11075         | 78             | 1                         | 75  | 1   | 75  | 2                           | 75  | 1   | 75  | 1   | 75  | 2   | 75  | 6       | 8     | N=6 (1,1/2,1,1,2)          |
| WLS101      | 2.00               | S         | RP11075         | 78             | 1                         | 75  | 1   | 75  | 1                           | 75  | 2   | 75  | 2   | 75  | 3   | 75  | 8       | 10    | N=8 (1,1/1,2,2,3)          |
| WLS101      | 3.00               | S         | RP11075         | 78             | 1                         | 75  | 3   | 75  | 3                           | 75  | 4   | 75  | 5   | 75  | 6   | 75  | 18      | 23    | N=18 (1,3/3,4,5,6)         |
| WLS102      | 1.00               | S         | RP11075         | 78             | 1                         | 75  | 1   | 75  | 1                           | 75  | 1   | 75  | 2   | 75  | 2   | 75  | 6       | 8     | N=6 (1,1/1,1,2,2)          |
| WLS102      | 2.00               | S         | RP11075         | 78             | 1                         | 75  | 4   | 75  | 3                           | 75  | 4   | 75  | 5   | 75  | 5   | 75  | 17      | 22    | N=17 (1,4/3,4,5,5)         |
| WLS102      | 3.00               | S         | RP11075         | 78             | 3                         | 75  | 4   | 75  | 5                           | 75  | 6   | 75  | 8   | 75  | 7   | 75  | 26      | 34    | N=26 (3,4/5,6,8,7)         |
| WLS103      | 1.00               | S         | RP11075         | 78             | 2                         | 75  | 1   | 75  | 2                           | 75  | 3   | 75  | 4   | 75  | 5   | 75  | 14      | 18    | N=14 (2,1/2,3,4,5)         |
| WLS103      | 2.00               | S         | RP11075         | 78             | 1                         | 75  | 2   | 75  | 3                           | 75  | 4   | 75  | 2   | 75  | 4   | 75  | 13      | 17    | N=13 (1,2/3,4,2,4)         |
| WLS103      | 3.00               | S         | RP11075         | 78             | 1                         | 75  | 2   | 75  | 4                           | 75  | 3   | 75  | 5   | 75  | 6   | 75  | 18      | 23    | N=18 (1,2/4,3,5,6)         |
| WLS104      | 1.00               | S         | RP11075         | 78             | 1                         | 75  | 1   | 75  | 2                           | 75  | 2   | 75  | 1   | 75  | 2   | 75  | 7       | 9     | N=7 (1,1/2,2,1,2)          |
| WLS104      | 2.00               | S         | RP11075         | 78             | 1                         | 75  | 2   | 75  | 2                           | 75  | 3   | 75  | 3   | 75  | 4   | 75  | 12      | 16    | N=12 (1,2/2,3,3,4)         |
| WLS104      | 3.00               | S         | RP11075         | 78             | 2                         | 75  | 2   | 75  | 2                           | 75  | 4   | 75  | 4   | 75  | 5   | 75  | 15      | 20    | N=15 (2,2/2,4,4,5)         |
| WLS105      | 1.00               | S         | RP11075         | 78             | 1                         | 75  | 1   | 75  | 1                           | 75  | 1   | 75  | 1   | 75  | 2   | 75  | 5       | 7     | N=5 (1,1/1,1,1,2)          |
| WLS105      | 2.00               | S         | RP11075         | 78             | 1                         | 75  | 1   | 75  | 3                           | 75  | 3   | 75  | 4   | 75  | 4   | 75  | 14      | 18    | N=14 (1,1/3,3,4,4)         |
| WLS105      | 3.00               | S         | RP11075         | 78             | 2                         | 75  | 2   | 75  | 3                           | 75  | 4   | 75  | 4   | 75  | 6   | 75  | 17      | 22    | N=17 (2,2/3,4,4,6)         |
| WLS106      | 1.00               | S         | RP11075         | 78             | 1                         | 75  | 1   | 75  | 2                           | 75  | 2   | 75  | 2   | 75  | 3   | 75  | 9       | 12    | N=9 (1,1/2,2,2,3)          |
| WLS106      | 2.00               | S         | RP11075         | 78             | 1                         | 75  | 2   | 75  | 1                           | 75  | 2   | 75  | 3   | 75  | 3   | 75  | 9       | 12    | N=9 (1,2/1,2,3,3)          |
| WLS106      | 3.00               | S         | RP11075         | 78             | 1                         | 75  | 3   | 75  | 4                           | 75  | 5   | 75  | 4   | 75  | 5   | 75  | 18      | 23    | N=18 (1,3/4,5,4,5)         |
| WLS107      | 1.00               | S         | RP11075         | 78             | 1                         | 75  | 1   | 75  | 2                           | 75  | 2   | 75  | 2   | 75  | 3   | 75  | 9       | 12    | N=9 (1,1/2,2,2,3)          |
| WLS107      | 2.00               | S         | RP11075         | 78             | 1                         | 75  | 2   | 75  | 2                           | 75  | 2   | 75  | 1   | 75  | 3   | 75  | 8       | 10    | N=8 (1,2/2,2,1,3)          |
| WLS107      | 3.00               | S         | RP11075         | 78             | 3                         | 75  | 29  | 75  | 50                          | 1   |     |     |     |     |     |     | 50      | 65    | 50 (3,29/50 for 1mm)       |
| WLS108      | 1.00               | S         | RP11075         | 78             | 1                         | 75  | 0   | 75  | 1                           | 75  | 1   | 75  | 1   | 75  | 1   | 75  | 4       | 5     | N=4 (1,0/1,1,1,1)          |
| WLS108      | 2.00               | S         | RP11075         | 78             | 1                         | 75  | 2   | 75  | 1                           | 75  | 2   | 75  | 3   | 75  | 3   | 75  | 9       | 12    | N=9 (1,2/1,2,3,3)          |
| WLS108      | 3.00               | S         | RP11075         | 78             | 5                         | 75  | 20  | 75  | 50                          | 1   |     |     |     |     |     |     | 50      | 65    | 50 (5,20/50 for 1mm)       |
| WLS109      | 1.00               | S         | RP11075         | 78             | 0                         | 75  | 1   | 75  | 0                           | 75  | 0   | 75  | 1   | 75  | 1   | 75  |         |       | N=2 (0,1/0,0,1,1)          |
| WLS109      | 2.00               | S         | RP11075         | 78             | 0                         | 75  | 1   | 75  | 2                           | 75  | 1   | 75  | 3   | 75  | 3   | 75  | 9       | 12    | N=9 (0,1/2,1,3,3)          |
| WLS109      | 3.00               | S         | RP11075         | 78             | 25                        | 1   |     |     | 50                          | 1   |     |     |     |     |     |     | 50      | 65    | 50 (25 for 1mm/50 for 1mm) |

# SPT Hammer Energy Test Report

in accordance with BSEN ISO 22476-3:2005

**Southern Testing**  
**Unit 11**  
**Charlwoods Road**  
**East Grinstead**  
**West Sussex**  
**RH19 2HU**

SPT Hammer Ref: RP11075  
Test Date: 04/06/2024  
Report Date: 04/06/2024  
File Name: RP11075.spt  
Test Operator: BOB

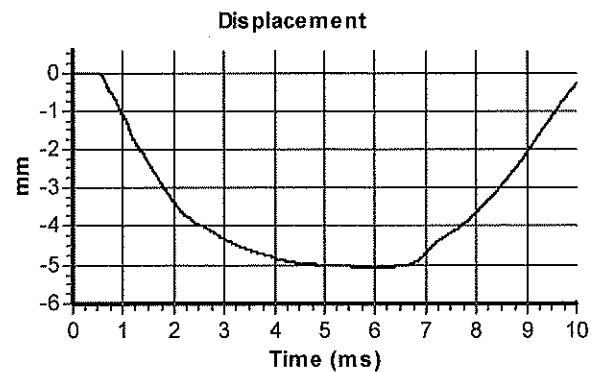
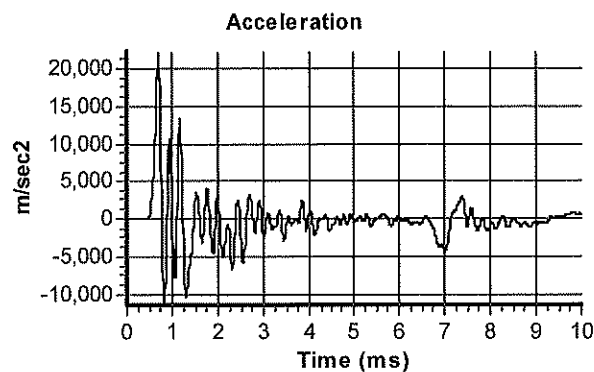
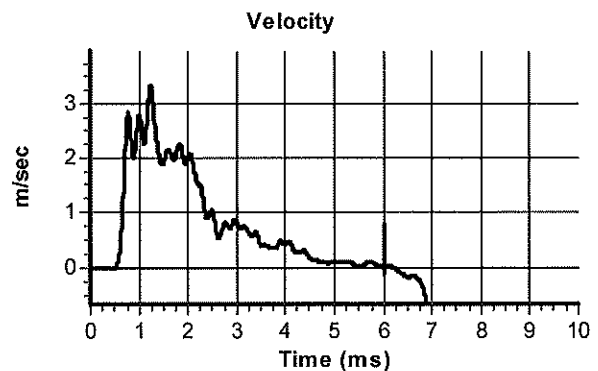
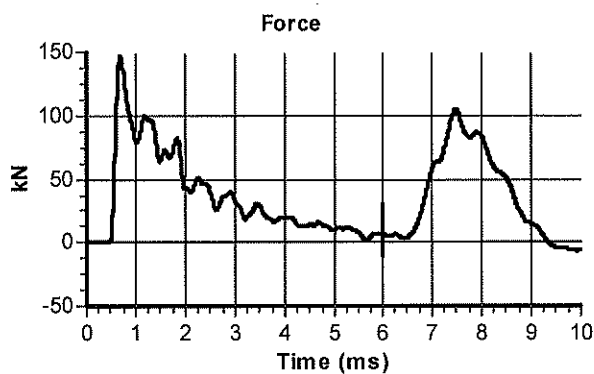
## Instrumented Rod Data

Diameter  $d_r$  (mm): 54  
Wall Thickness  $t_r$  (mm): 6.4  
Assumed Modulus  $E_a$  (GPa): 208  
Accelerometer No.1: 73547  
Accelerometer No.2: 64789

## SPT Hammer Information

Hammer Mass  $m$  (kg): 63.5  
Falling Height  $h$  (mm): 760  
SPT String Length  $L$  (m): 14.7

**Comments / Location**  
CHARLSWOOD



## Calculations

Area of Rod A ( $\text{mm}^2$ ): 957  
Theoretical Energy  $E_{\text{theor}}$  (J): 473  
Measured Energy  $E_{\text{meas}}$  (J): 367

**Energy Ratio  $E_r$  (%):** **78**

Signed: Bob Stewart

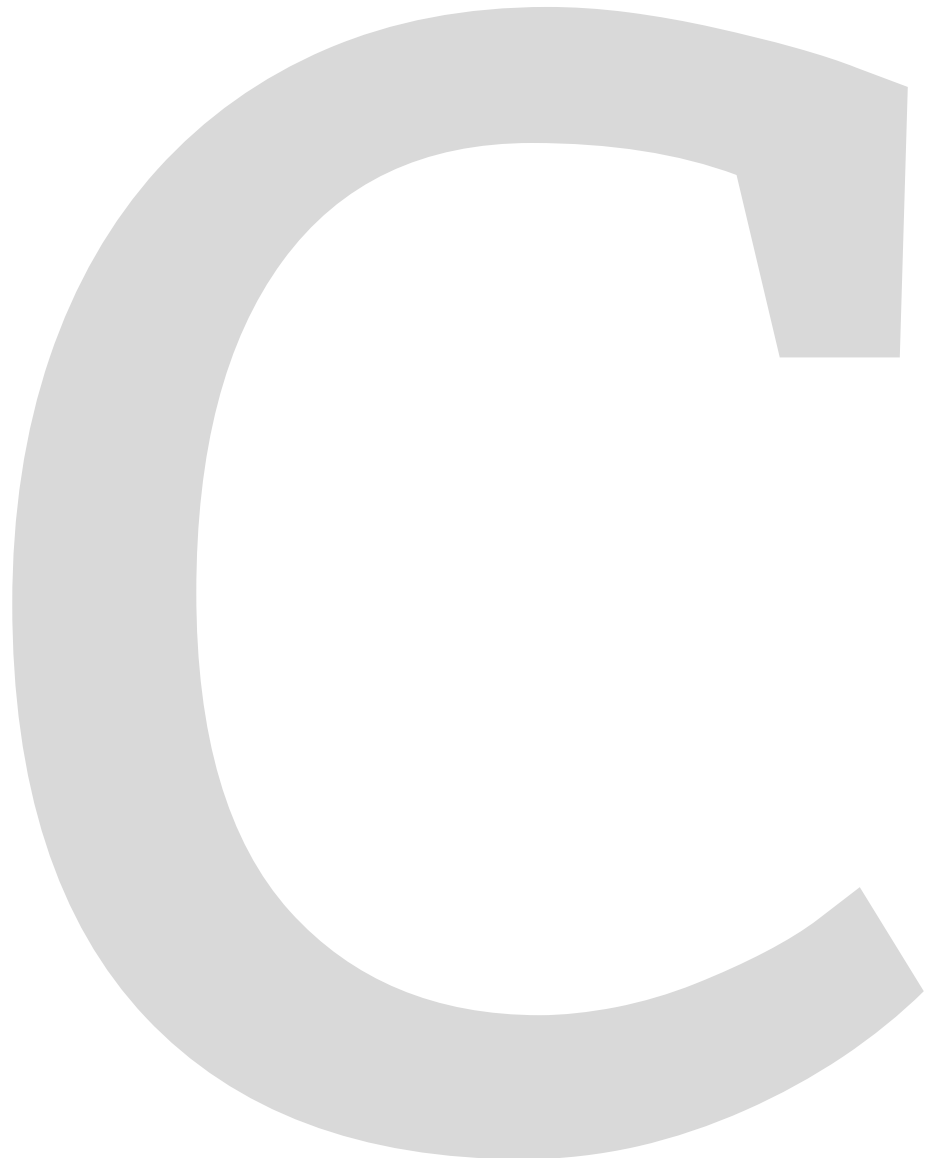
Title: Technician

The recommended calibration interval is 12 months



## APPENDIX C

### Geotechnical Laboratory Test Methods and Results



# Plasticity Index and Water Content Summary

BS1377-2:2022 cl. 5, BS EN ISO 17892-1:2014 + A1:2022, BS EN ISO 17892-12:2018 + A2:2022

| Project Name |         | Wealden House, East Grinstead |                                                                                                                                     |                                   |              |                | Project Number  |                  | J15778         |                      |
|--------------|---------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|--------------|----------------|-----------------|------------------|----------------|----------------------|
| Client       |         | Octagon Developments Ltd      |                                                                                                                                     |                                   |              | PE             | SKT             | Date Issued      |                | 08-Aug-24            |
| Location ID  | Depth m | Sample Type                   | Visual Description                                                                                                                  | Comments                          | Initial WC % | Liquid Limit % | Plastic Limit % | Plasticity Index | Classification | Passing 425 micron % |
| WLS101       | 2.50    | D                             | Very stiff grey brown mottled grey calcareous CLAY.                                                                                 |                                   | 23           | 60             | 23              | 36               | CH             | 98                   |
| WLS103       | 1.50    | ES                            | Stiff grey patched orange sandy gravelly CLAY. Gravel consists of fine to coarse subangular sandstone. Slightly malodorous.         | Sample passed through 425µm sieve | 21           | 35             | 18              | 17               | CL/CI          | 49                   |
| WLS103       | 2.50    | D                             | Stiff dark yellow grey mottled yellow brown CLAY.                                                                                   |                                   | 25           | 61             | 23              | 38               | CH             | 100                  |
| WLS105       | 1.00    | D                             | Stiff yellow grey mottled grey CLAY.                                                                                                |                                   | 34           | 74             | 22              | 52               | CV             | 100                  |
| WLS105       | 2.00    | D                             | Firm brown laminated grey brown slightly sandy slightly gravelly CLAY. Gravel consists of fine and medium subangular sandstone.     | Sample passed through 425µm sieve | 17           | 47             | 18              | 29               | CI             | 71                   |
| WLS106       | 1.00    | D                             | Very stiff brown speckled black and orange CLAY.                                                                                    |                                   | 28           | 69             | 25              | 44               | CH             | 100                  |
| WLS107       | 2.00    | D                             | Stiff brown patched grey and orange slightly sandy CLAY.                                                                            |                                   | 18           | 29             | 19              | 10               | CL             | 99                   |
| WLS107       | 3.00    | D                             | Stiff yellow orange patched dark yellow grey CLAY.                                                                                  |                                   | 20           | 55             | 20              | 35               | CH             | 100                  |
| WLS109       | 1.50    | D                             | Soft dark yellow grey mottled grey and yellow brown sandy slightly gravelly organic CLAY. Gravel consists of fine subangular flint. |                                   | 25           | 36             | 16              | 20               | CIO            | 95                   |
| WLS111       | 1.50    | D                             | Firm buff brown speckled yellow grey CLAY.                                                                                          |                                   | 28           | 61             | 24              | 37               | CH             | 100                  |



|                                                                                                                                                              |            |                                                                                                                                                        |                                                          |                                                                                                                                               |                    |                   |                       |                     |                     |                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|-----------------------|---------------------|---------------------|-------------------------------------------------------------------------------------|
|  <b>Southern Testing</b><br><small>Environmental &amp; Geotechnical</small> |            |  <b>ST Consult</b><br><small>Environmental &amp; Geotechnical</small> |                                                          | <b>Plasticity Index and Water Content Summary</b><br>BS1377-2:2022 cl. 5, BS EN ISO 17892-1:2014 + A1:2022, BS EN ISO 17892-12:2018 + A2:2022 |                    |                   |                       |                     |                     |  |
| <b>Project Name</b>                                                                                                                                          |            | <i>Wealden House, East Grinstead</i>                                                                                                                   |                                                          |                                                                                                                                               |                    |                   | <b>Project Number</b> |                     | <b>J15778</b>       |                                                                                     |
| <b>Client</b>                                                                                                                                                |            | <i>Octagon Developments Ltd</i>                                                                                                                        |                                                          |                                                                                                                                               |                    | <b>PE</b>         | <i>SKT</i>            | <b>Date Issued</b>  |                     | <i>08-Aug-24</i>                                                                    |
| Location ID                                                                                                                                                  | Depth<br>m | Sample<br>Type                                                                                                                                         | Visual Description                                       | Comments                                                                                                                                      | Initial<br>WC<br>% | Liquid Limit<br>% | Plastic Limit<br>%    | Plasticity<br>Index | Classi-<br>fication | Passing<br>425 micron<br>%                                                          |
| WLS112                                                                                                                                                       | 1.00       | D                                                                                                                                                      | <i>Stiff yellow brown mottled dark yellow grey CLAY.</i> |                                                                                                                                               | 24                 | 58                | 21                    | 37                  | CH                  | 100                                                                                 |

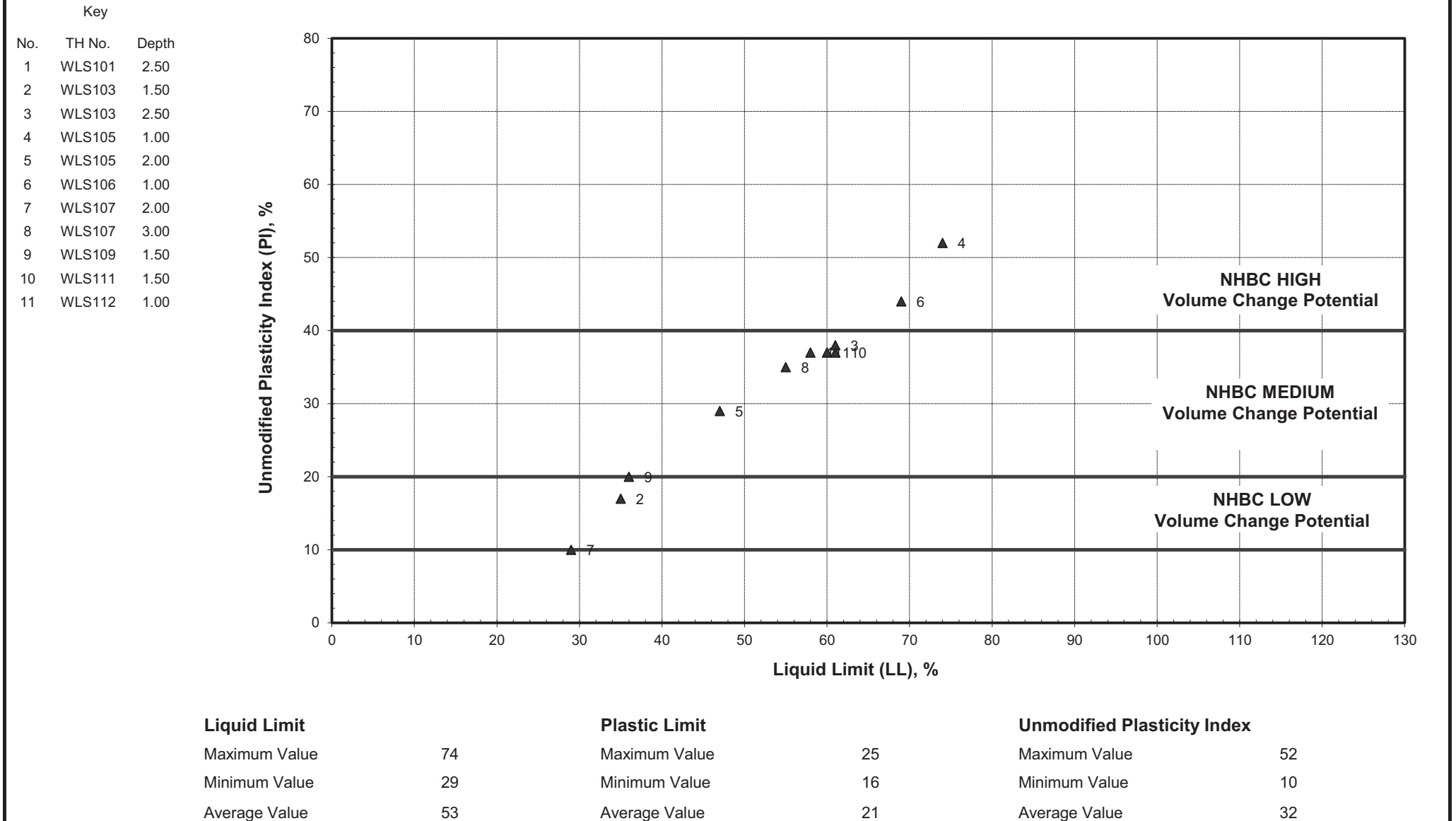
Registered office Southern Testing Laboratories Ltd, Keeble House, Stuart Way, East Grinstead RH19 4QA. Testing carried out at Units 20A & B, Durkins Road, East Grinstead RH19 2RW. BSI Ref: FS29280 under BS EN ISO 9001.

Jun 13

# NHBC Classification for Volume Change Potential



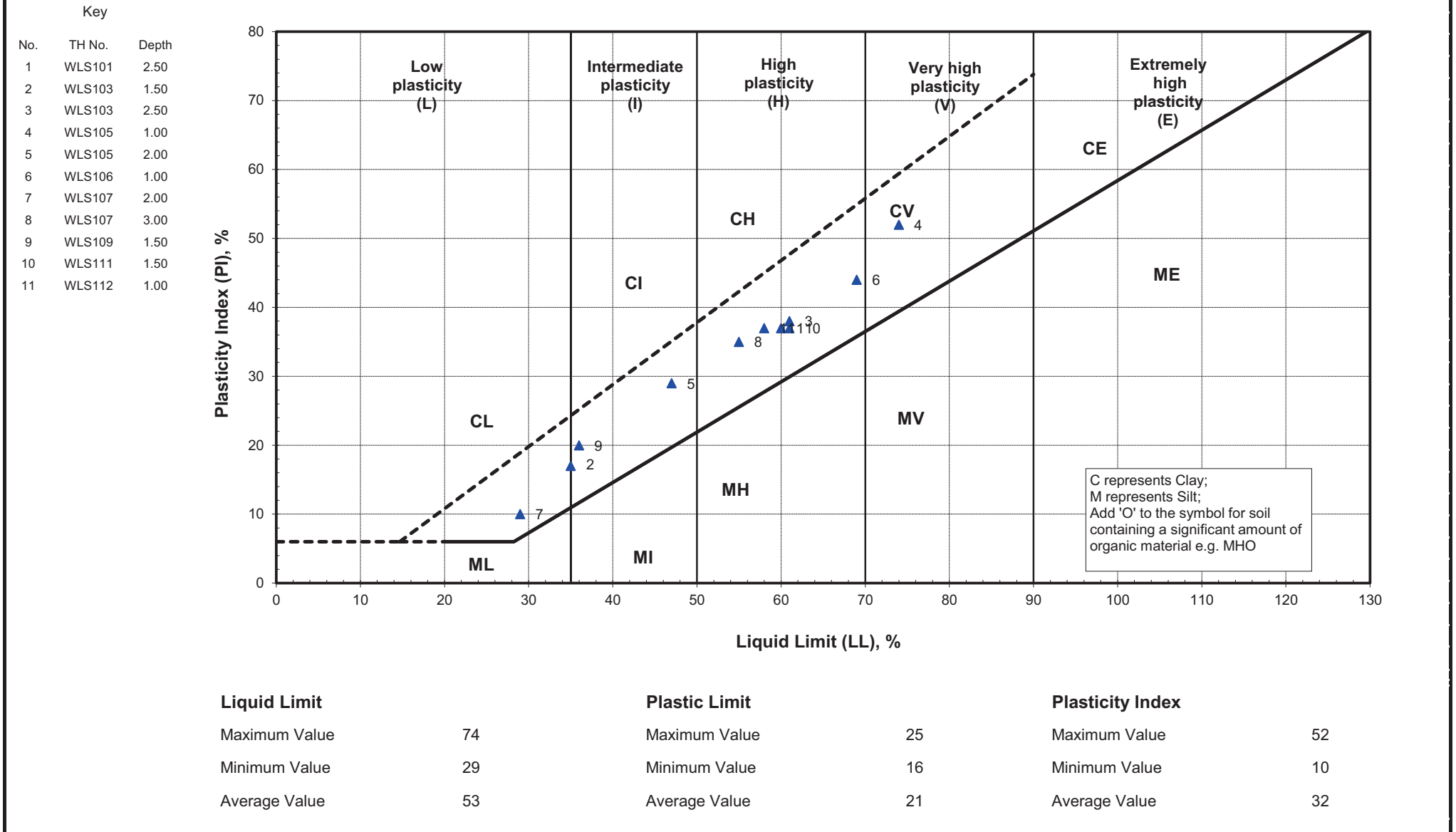
|                     |                               |           |     |                       |           |
|---------------------|-------------------------------|-----------|-----|-----------------------|-----------|
| <b>Project Name</b> | Wealden House, East Grinstead |           |     | <b>Project Number</b> | J15778    |
| <b>Client Name</b>  | Octagon Developments Ltd      | <b>PE</b> | SKT | <b>Date Issued</b>    | 30-Jul-24 |



# Plasticity Chart for Atterberg Limit Tests



|              |                               |    |     |                |           |
|--------------|-------------------------------|----|-----|----------------|-----------|
| Project Name | Wealden House, East Grinstead |    |     | Project Number | J15778    |
| Client Name  | Octagon Developments Ltd      | PE | SKT | Date Issued    | 30-Jul-24 |



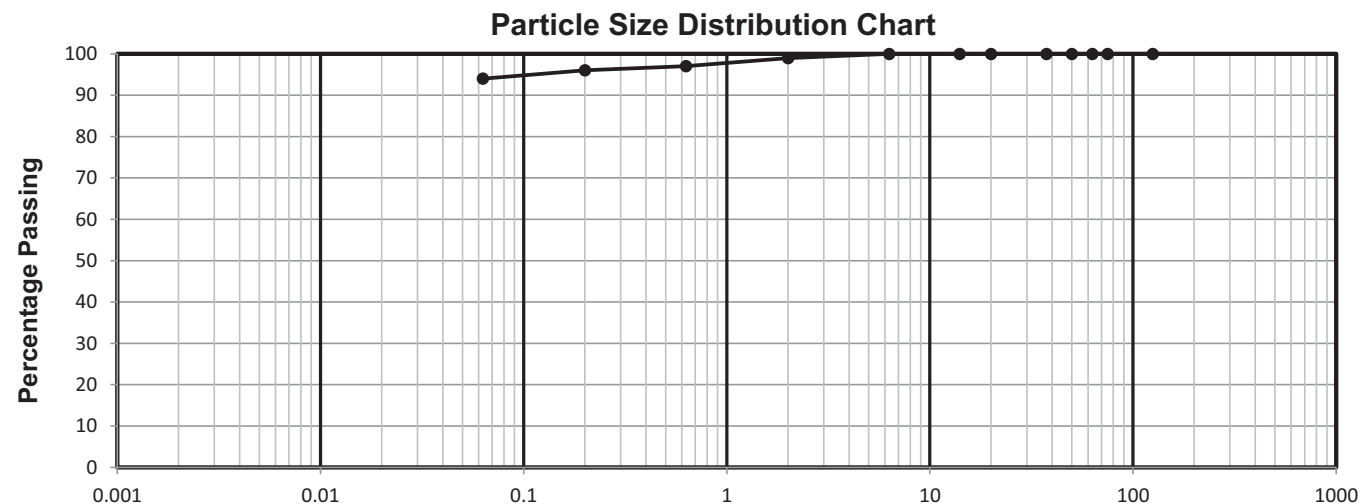
## PARTICLE SIZE DISTRIBUTION REPORT

BS EN ISO 17892-4:2016 cl. 5.2, 5.4



|                     |                               |           |     |                       |           |
|---------------------|-------------------------------|-----------|-----|-----------------------|-----------|
| <b>Project Name</b> | Wealden House, East Grinstead |           |     | <b>Project Number</b> | J15778    |
| <b>Client Name</b>  | Octagon Developments Ltd      | <b>PE</b> | SKT | <b>Date Issued</b>    | 30-Jul-24 |

| Particle Size | % Passing |
|---------------|-----------|
| 125mm         | 100       |
| 75mm          | 100       |
| 63mm          | 100       |
| 50mm          | 100       |
| 37.5mm        | 100       |
| 20mm          | 100       |
| 14mm          | 100       |
| 6.3mm         | 100       |
| 2mm           | 99        |
| 630µm         | 97        |
| 200µm         | 96        |
| 63µm          | 94        |
|               |           |
|               |           |
|               |           |



| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |
| 94   |      |        |        | 4    |        |        | 1      |        |        | 0       |

### Visual Description of Sample:

Stiff dark yellow grey mottled brown slightly sandy CLAY.

**Particle Density Mg/m³**

**Coefficient of Uniformity**

N/A

### Test Methods:

Wet & Dry Grading BS EN ISO 17892-4:2016 cl. 5.2

**Location**

WLS111

**Depth (m)**

2.00

**Sample Type**

D

### Comments:

**Tested By**

STL Lab

**Checked By**

RJM

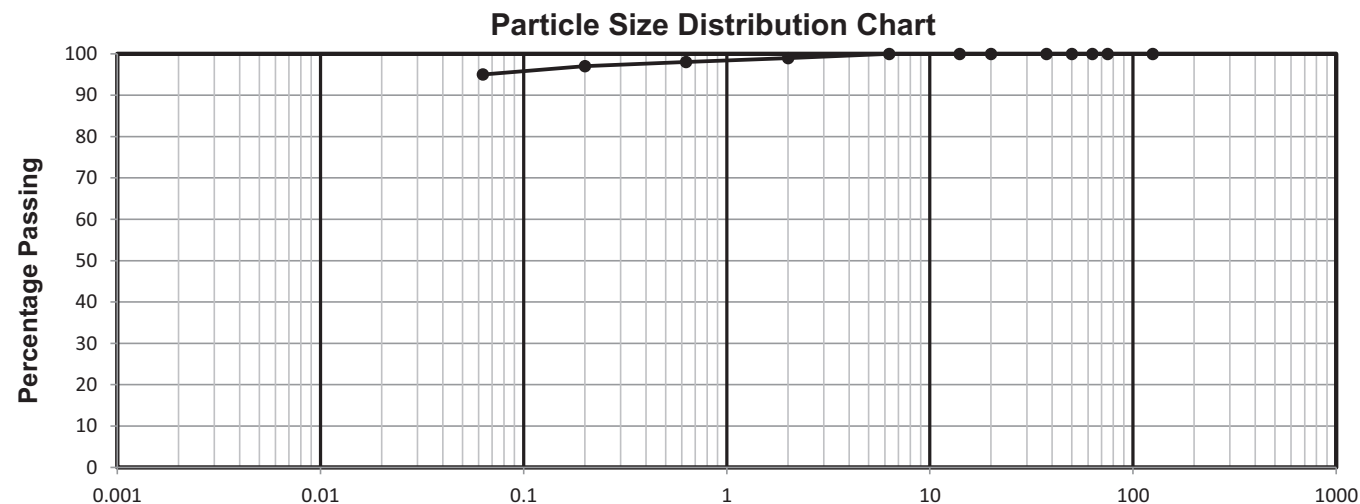
## PARTICLE SIZE DISTRIBUTION REPORT

BS EN ISO 17892-4:2016 cl. 5.2, 5.4



|                     |                               |           |     |                       |           |
|---------------------|-------------------------------|-----------|-----|-----------------------|-----------|
| <b>Project Name</b> | Wealden House, East Grinstead |           |     | <b>Project Number</b> | J15778    |
| <b>Client Name</b>  | Octagon Developments Ltd      | <b>PE</b> | SKT | <b>Date Issued</b>    | 30-Jul-24 |

| Particle Size | % Passing |
|---------------|-----------|
| 125mm         | 100       |
| 75mm          | 100       |
| 63mm          | 100       |
| 50mm          | 100       |
| 37.5mm        | 100       |
| 20mm          | 100       |
| 14mm          | 100       |
| 6.3mm         | 100       |
| 2mm           | 99        |
| 630µm         | 98        |
| 200µm         | 97        |
| 63µm          | 95        |
|               |           |
|               |           |
|               |           |



| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |
| 95   |      |        | 3      |      |        | 1      |        |        | 0      |         |

### Visual Description of Sample:

Stiff yellow grey patched yellow brown slightly sandy CLAY.

**Particle Density Mg/m³**

**Coefficient of Uniformity**

N/A

### Test Methods:

Wet & Dry Grading BS EN ISO 17892-4:2016 cl. 5.2

**Location**

WLS112

**Depth (m)**

1.50

**Sample Type**

D

### Comments:

**Tested By**

STL Lab

**Checked By**

RJM





Southern Testing Laboratories Ltd  
Keeble House  
Stuart Way  
East Grinstead  
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**Analytical Report Number : 24-032111**

|                             |                               |                                                        |            |
|-----------------------------|-------------------------------|--------------------------------------------------------|------------|
| <b>Project / Site name:</b> | Wealden House, East Grinstead | <b>Samples received on:</b>                            | 23/07/2024 |
| <b>Your job number:</b>     | J15778                        | <b>Samples instructed on/<br/>Analysis started on:</b> | 23/07/2024 |
| <b>Your order number:</b>   | J15778 4                      | <b>Analysis completed by:</b>                          | 01/08/2024 |
| <b>Report Issue Number:</b> | 1                             | <b>Report issued on:</b>                               | 01/08/2024 |
| <b>Samples Analysed:</b>    | 12 soil samples               |                                                        |            |

**Signed:**   
Joanna Wawrzeczko  
Senior Reporting Specialist  
**For & on behalf of i2 Analytical Ltd.**

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

|           |                           |
|-----------|---------------------------|
| soils     | - 4 weeks from reporting  |
| leachates | - 2 weeks from reporting  |
| waters    | - 2 weeks from reporting  |
| asbestos  | - 6 months from reporting |

Excel copies of reports are only valid when accompanied by this PDF certificate.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.  
Application of uncertainty of measurement would provide a range within which the true result lies.  
An estimate of measurement uncertainty can be provided on request.



Analytical Report Number: 24-032111  
Project / Site name: Wealden House, East Grinstead  
Your Order No: J15778 4

|                                         |  |  |  |            |                            |                              |            |            |
|-----------------------------------------|--|--|--|------------|----------------------------|------------------------------|------------|------------|
| Lab Sample Number                       |  |  |  | 264821     | 264822                     | 264823                       | 264824     | 264825     |
| Sample Reference                        |  |  |  | WLS101     | WLS102                     | WLS103                       | WLS104     | WLS104     |
| Sample Number                           |  |  |  | ES         | ES                         | ES                           | ES         | D          |
| Depth (m)                               |  |  |  | 1.50       | 2.00                       | 2.50                         | 1.00       | 3.00       |
| Date Sampled                            |  |  |  | 18/07/2024 | 18/07/2024                 | 18/07/2024                   | 18/07/2024 | 18/07/2024 |
| Time Taken                              |  |  |  | 0900       | 1000                       | 1130                         | 1200       | 1230       |
| Analytical Parameter<br>(Soil Analysis) |  |  |  | Units      | Test Limit of<br>detection | Test Accreditation<br>Status |            |            |

|                               |    |      |      |       |       |       |       |       |
|-------------------------------|----|------|------|-------|-------|-------|-------|-------|
| Stone Content                 | %  | 0.1  | NONE | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| Moisture Content              | %  | 0.01 | NONE | 19    | 15    | 17    | 22    | 14    |
| Total mass of sample received | kg | 0.1  | NONE | 0.6   | 0.6   | 0.6   | 0.6   | 0.9   |

General Inorganics

|                                                                         |          |       |        |       |       |       |       |       |
|-------------------------------------------------------------------------|----------|-------|--------|-------|-------|-------|-------|-------|
| pH (L099)                                                               | pH Units | N/A   | MCERTS | 6.9   | 7.7   | 8.1   | 4.9   | 8.3   |
| Total Sulphate as SO <sub>4</sub>                                       | mg/kg    | 50    | MCERTS | -     | -     | -     | -     | -     |
| Total Sulphate as SO <sub>4</sub>                                       | %        | 0.005 | MCERTS | 0.038 | 0.031 | 0.021 | 0.03  | 0.042 |
| Water Soluble Sulphate as SO <sub>4</sub> 16hr extraction (2:1)         | mg/kg    | 2.5   | MCERTS | 230   | 140   | 56    | 37    | 33    |
| Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent) | mg/l     | 1.25  | MCERTS | 115   | 68.3  | 28.1  | 18.3  | 16.3  |
| Total Sulphur                                                           | mg/kg    | 50    | MCERTS | 130   | 100   | 120   | 120   | 210   |
| Total Sulphur                                                           | %        | 0.005 | MCERTS | 0.013 | 0.01  | 0.012 | 0.012 | 0.021 |

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



Analytical Report Number: 24-032111  
Project / Site name: Wealden House, East Grinstead  
Your Order No: J15778 4

|                                         |  |  |  |            |                            |                              |            |            |
|-----------------------------------------|--|--|--|------------|----------------------------|------------------------------|------------|------------|
| Lab Sample Number                       |  |  |  | 264826     | 264827                     | 264828                       | 264829     | 264830     |
| Sample Reference                        |  |  |  | WLS105     | WLS105                     | WLS106                       | WLS106     | WLS109     |
| Sample Number                           |  |  |  | D          | D                          | ES                           | D          | D          |
| Depth (m)                               |  |  |  | 1.50       | 3.00                       | 2.00                         | 3.00       | 2.50       |
| Date Sampled                            |  |  |  | 18/07/2024 | 18/07/2024                 | 18/07/2024                   | 18/07/2024 | 18/07/2024 |
| Time Taken                              |  |  |  | 1400       | 1400                       | 1500                         | 1430       | 1030       |
| Analytical Parameter<br>(Soil Analysis) |  |  |  | Units      | Test Limit of<br>detection | Test Accreditation<br>Status |            |            |

|                               |    |      |      |       |       |       |       |       |
|-------------------------------|----|------|------|-------|-------|-------|-------|-------|
| Stone Content                 | %  | 0.1  | NONE | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| Moisture Content              | %  | 0.01 | NONE | 20    | 15    | 17    | 18    | 20    |
| Total mass of sample received | kg | 0.1  | NONE | 0.9   | 1.1   | 1.1   | 1.2   | 1.2   |

General Inorganics

|                                                                         |          |       |        |       |       |       |       |       |
|-------------------------------------------------------------------------|----------|-------|--------|-------|-------|-------|-------|-------|
| pH (L099)                                                               | pH Units | N/A   | MCERTS | 5     | 7.6   | 5     | 8.2   | 8.3   |
| Total Sulphate as SO <sub>4</sub>                                       | mg/kg    | 50    | MCERTS | -     | 790   | -     | -     | -     |
| Total Sulphate as SO <sub>4</sub>                                       | %        | 0.005 | MCERTS | 0.121 | 0.079 | 0.126 | 0.015 | 0.045 |
| Water Soluble Sulphate as SO <sub>4</sub> 16hr extraction (2:1)         | mg/kg    | 2.5   | MCERTS | 330   | 110   | 170   | 49    | 170   |
| Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent) | mg/l     | 1.25  | MCERTS | 166   | 54    | 86.3  | 24.5  | 85.7  |
| Total Sulphur                                                           | mg/kg    | 50    | MCERTS | 450   | 290   | 460   | 85    | 410   |
| Total Sulphur                                                           | %        | 0.005 | MCERTS | 0.045 | 0.029 | 0.046 | 0.009 | 0.041 |

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



Analytical Report Number: 24-032111  
Project / Site name: Wealden House, East Grinstead  
Your Order No: J15778 4

|                                         |  |  |  |                           |                         |
|-----------------------------------------|--|--|--|---------------------------|-------------------------|
| Lab Sample Number                       |  |  |  | 264831                    | 264832                  |
| Sample Reference                        |  |  |  | WLS110                    | WLS111                  |
| Sample Number                           |  |  |  | D                         | D                       |
| Depth (m)                               |  |  |  | 1.50                      | 1.00                    |
| Date Sampled                            |  |  |  | 18/07/2024                | 18/07/2024              |
| Time Taken                              |  |  |  | 1230                      | 1130                    |
| Analytical Parameter<br>(Soil Analysis) |  |  |  | Units                     | Test Limit of detection |
|                                         |  |  |  | Test Accreditation Status |                         |

|                               |    |      |      |       |       |
|-------------------------------|----|------|------|-------|-------|
| Stone Content                 | %  | 0.1  | NONE | < 0.1 | < 0.1 |
| Moisture Content              | %  | 0.01 | NONE | 18    | 15    |
| Total mass of sample received | kg | 0.1  | NONE | 1.2   | 1.2   |

General Inorganics

|                                                             |          |       |        |       |       |
|-------------------------------------------------------------|----------|-------|--------|-------|-------|
| pH (L099)                                                   | pH Units | N/A   | MCERTS | 8.2   | 7.2   |
| Total Sulphate as SO4                                       | mg/kg    | 50    | MCERTS | -     | -     |
| Total Sulphate as SO4                                       | %        | 0.005 | MCERTS | 0.02  | 0.06  |
| Water Soluble Sulphate as SO4 16hr extraction (2:1)         | mg/kg    | 2.5   | MCERTS | 29    | 38    |
| Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent) | mg/l     | 1.25  | MCERTS | 14.4  | 19.1  |
| Total Sulphur                                               | mg/kg    | 50    | MCERTS | 66    | 310   |
| Total Sulphur                                               | %        | 0.005 | MCERTS | 0.007 | 0.031 |

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



**Analytical Report Number : 24-032111**  
**Project / Site name: Wealden House, East Grinstead**

\* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

| Lab Sample Number | Sample Reference | Sample Number | Depth (m) | Sample Description *                           |
|-------------------|------------------|---------------|-----------|------------------------------------------------|
| 264821            | WLS101           | ES            | 1.5       | Brown clay                                     |
| 264822            | WLS102           | ES            | 2         | Brown clay                                     |
| 264823            | WLS103           | ES            | 2.5       | Brown clay and loam                            |
| 264824            | WLS104           | ES            | 1         | Brown clay                                     |
| 264825            | WLS104           | D             | 3         | Brown clay and loam                            |
| 264826            | WLS105           | D             | 1.5       | Brown clay                                     |
| 264827            | WLS105           | D             | 3         | Brown clay                                     |
| 264828            | WLS106           | ES            | 2         | Brown clay                                     |
| 264829            | WLS106           | D             | 3         | Brown clay                                     |
| 264830            | WLS109           | D             | 2.5       | Brown clay                                     |
| 264831            | WLS110           | D             | 1.5       | Brown clay and loam with gravel and vegetation |
| 264832            | WLS111           | D             | 1         | Brown clay and loam                            |





Analytical Report Number : 24-032111  
Project / Site name: Wealden House, East Grinstead

Water matrix abbreviations:  
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

| Analytical Test Name                               | Analytical Method Description                                                                                              | Analytical Method Reference                                                | Method number | Wet / Dry Analysis | Accreditation Status |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|---------------|--------------------|----------------------|
| Moisture Content                                   | Moisture content, determined gravimetrically (up to 30°C)                                                                  | In-house method                                                            | L019B         | W                  | NONE                 |
| Stones content of soil                             | Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight | In-house method based on British Standard Methods and MCERTS requirements. | L019B         | D                  | NONE                 |
| Total sulphate (as SO4 in soil)                    | Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES                                     | In-house method                                                            | L038B         | D                  | MCERTS               |
| Sulphate, water soluble, in soil (16hr extraction) | Sulphate, water soluble, in soil (16hr extraction)                                                                         | In-house method                                                            | L038B         | D                  | MCERTS               |
| Total Sulphur in soil                              | Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP-OES        | In-house method                                                            | L038B         | D                  | MCERTS               |
| pH in soil (automated)                             | Determination of pH in soil by addition of water followed by automated electrometric measurement                           | In-house method                                                            | L099          | D                  | MCERTS               |

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).  
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).  
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.  
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.  
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

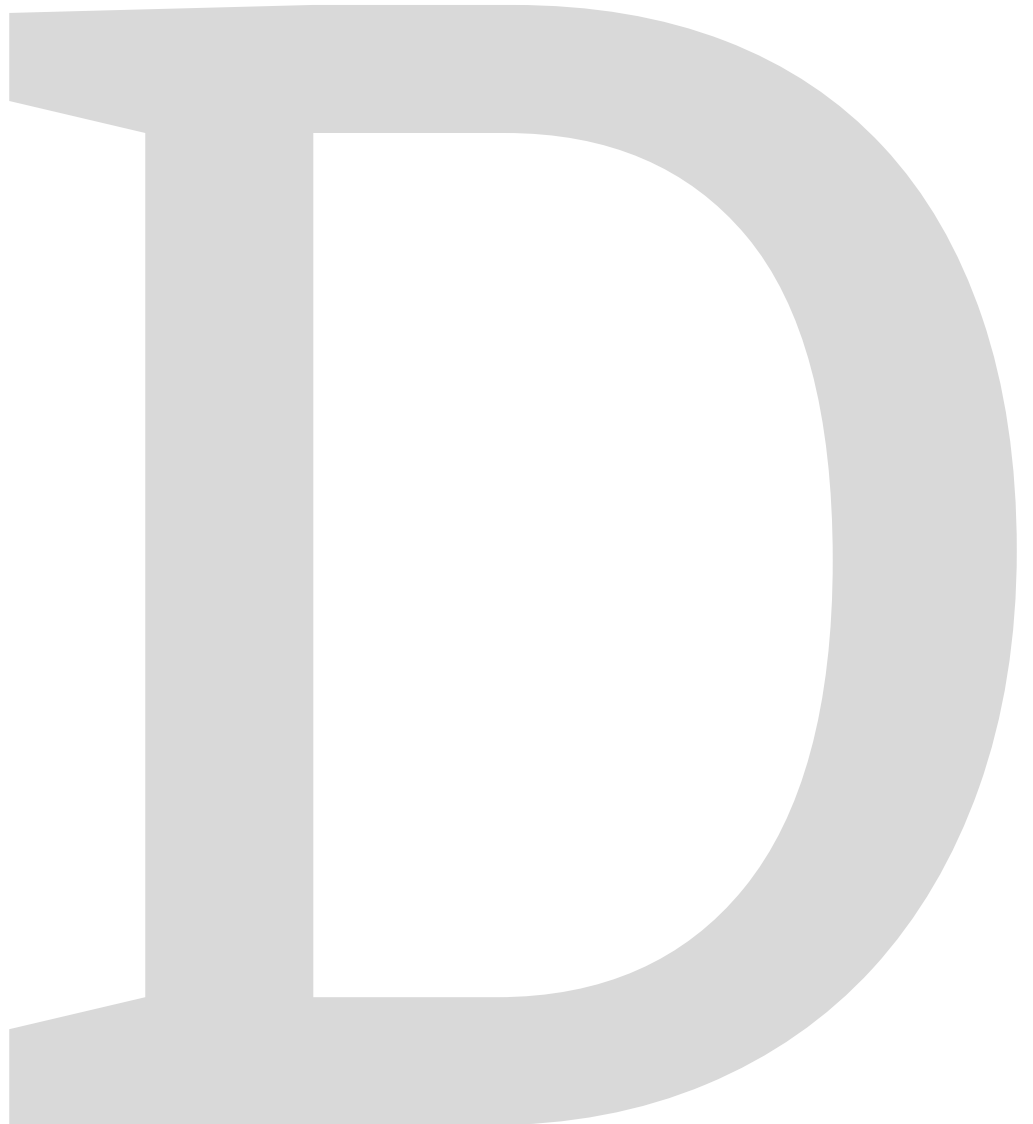
Quality control parameter failure associated with individual result applies to calculated sum of individuals.  
The result for sum should be interpreted with caution



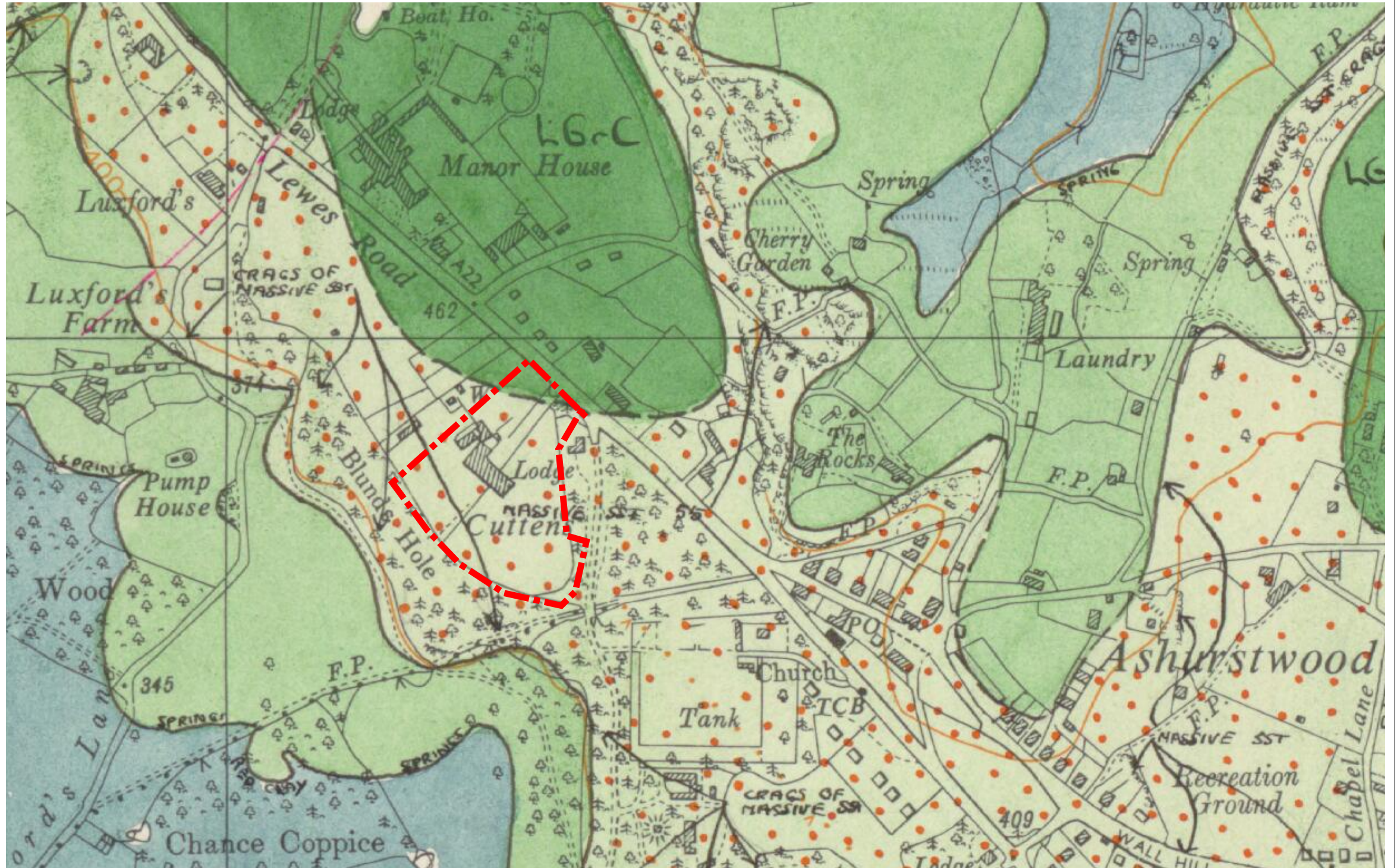
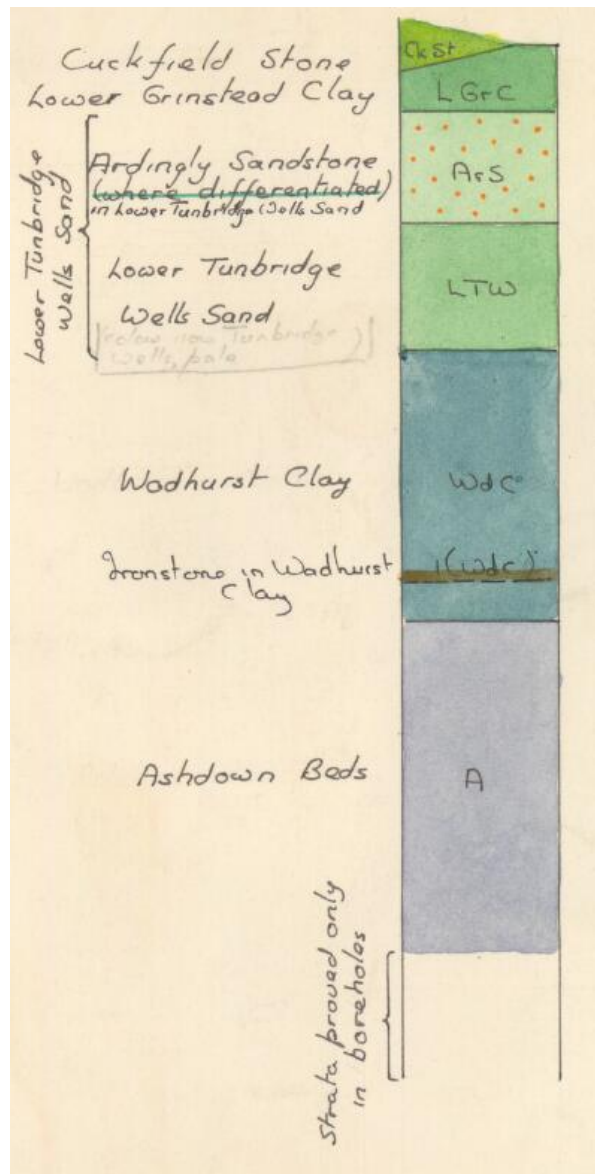
A collage of six images related to geotechnical engineering. Top left: A large white pipe. Top middle: A close-up of a soil sample in a sieve. Top right: A pressure gauge being used on a soil sample. Middle left: A worker in a high-visibility vest operating a piece of machinery. Middle right: A red truck with 'Southern' written on its side. Bottom right: A person's hands working with soil in a container.

## APPENDIX D

### Geotechnical Figures and Tables







|                                                                           |                                                  |                                                                                                                                        |            |                                                                                                                                  |  |
|---------------------------------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------|--|
| Figure G1 - BGS Geology Map Extract 1966 Solid and Drift (1:10,560 Scale) |                                                  |  Southern Testing<br>Environmental & Geotechnical |            |  ST Consult<br>Environmental & Geotechnical |  |
| Project Name:                                                             | Wealden House                                    | Project ID:                                                                                                                            | J15778     | Revisions:<br>Revision 1                                                                                                         |  |
| Location:                                                                 | Lewes Road, East Grinstead, West Sussex RH19 3TB | Scale:                                                                                                                                 | NTS        |                                                                                                                                  |  |
| Client:                                                                   | Octagon Developments Ltd.                        | Date:                                                                                                                                  | 06/08/2024 |                                                                                                                                  |  |



TQ4167 3710  
**RECORD OF WELL**

For Survey use only Licence No.

N.12510.

**303** TQ43/1  
**122 C**

At Ivy Dene Laundry,  
 Ashurst Wood.  
 Town or Village East Grinstead.  
 County Sussex.

EXACT SITE  
 OF WELL

Six-inch sheet **550/5** Six-inch National Grid sheet  
 For **M. B. Mitchell Ltd.** State whether owner, tenant, builder, contractor, consultant, etc. — **Owner.**

\* DELETE  
 WHICHEVER IS  
 INAPPLICABLE

Address (if different from above)  
 Level of ground surface above sea level (O.D.) **+c 350** ft. If well top is not at ground level, state how far above: \* below: \* ft.

SHAFT ..... ft.; diameter ..... ft.; HEADINGS (please attach details—dimensions and directions)  
 BORE **100** ft.; diameter of bore: at top **15** in.; \* at bottom **6** in.

Full details of permanent lining tubes (position, length, diameter, plain, slotted etc.)  
**20' of 15" Plain tubes; 100' of 6" MAGUSTA screen,**  
**top 51' 6" of which is plain pipe.**

TEST  
 CONDITIONS

Water struck at depths of ..... ft. below well top.  
 Rest level of water **25' 8"** <sup>above\*</sup> <sub>practically below</sub> well top. Suction at **85** ft. Yield on ..... hours' \* test days' pumping at **nil.** galls. per ..... with depression to **85** ft. below well top.

Recovery to rest level in ..... mins. \* hours Capacity of pump **1,000** g.p.h. Date of measurements **NOV. 66.**

DESCRIPTION OF PERMANENT PUMPING EQUIPMENT:

NORMAL  
 CONDITIONS

Make and/or type ..... Motive power .....  
 Capacity ..... galls. per hour Suction at ..... ft. below well top  
 Amount pumped ..... galls. per day. Estimated consumption ..... galls. per week.  
 Well made by **LE GRAND ADSCO.** Date of sinking .....

Information from: .....

ADDITIONAL NOTES ANALYSIS (please attach copy if available)

Borehole treated with approximately  
 14lbs of "CALGON".

Extract from Le Grand Adesco's letter  
 dated 22.2.67.

" The Magusta screen has been with-  
 drawn and the borehole given a thorough  
 shelling out after which the screen was  
 replaced and upon making a further  
 pumping test we are able to obtain  
 1,020 gallons of water per hour from  
 a pumping level of 33' 7". "

For Survey use only

Date Received **20.12.66.**

Section 6 .....

Pumping test .....

Observ. well .....

Recorder .....

E.R. log .....

Site marked on

1" map **Q 2** **67**

6" map **Q 2** **67**  
 (use symbol)

Record forwarded

to .....

date .....

GEOLOGICAL SURVEY,  
 WATER DIVISION,  
 SOUTH KENSINGTON,  
 LONDON, S.W.7.

LOG OF STRATA OVERLEAF.

If measurements start below ground surface, state how far ....

## Feet Inches

Fine brown blowing sand. with  
sandstone layers.

|     |   |     |   |
|-----|---|-----|---|
| 100 | 0 | 100 | 0 |
|-----|---|-----|---|

[illegible]

## DATA Summary Bank

# RECORD OF WELL (SHAFT OR BORE)

303

TQ43/22A

LYDENE LAUNDRY

Town or Village ASHURSTWOOD

East Grinstead

County SUSSEX

Six-inch quarter sheet Y 24

Exact site 100 yds N.E. of the Rocks

in parish of

Level of ground surface above sea-level (O.D.) 37.5 ft. If well starts below ground surface, state how far 0 ft.

Shaft — ft., diameter — ft. Bore 4 1/2 ft. Diameter of bore: at top 4 1/2 ins.; at bottom 4 1/2 ins.

Details of permanent lining tubes (internal diameters preferred). 4 1/2 I.D. Surface to 00' 0"

Water struck at depths of (feet) from 89' 6"

Rest-level of water below top of well 4.9 feet. Suction at 86 feet. Yield on 8 hours' test

900 gallons per hour. (with pump of capacity 900 g.p.h.); depressing water level to ? feet

below top. Time of recovery — hrs. Amount normally pumped daily — g.p.h. for — hours.

Quality (attach copy of analysis if available)

Sunk by Duke & Ockenden Ltd for Mr. M.B. Mitchell Ltd

Date of well Dec 1942

Information from **DUKE & OCKENDEN LTD., WESTMINSTER & LITTLEHAMPTON**

(For Survey use only).  
GEOLOGICAL  
CLASSIFICATION.

NATURE OF STRATA  
(and any additional remarks).

THICKNESS

DEPTH

Feet. Inches.

Feet. Inches.

|                |                   |    |   |     |   |
|----------------|-------------------|----|---|-----|---|
| L.T.W. Sand    | Clay & Loose Rock | 7  | 0 | 7   | 0 |
|                | Yellow Clay       | 20 | 0 | 27  | 0 |
|                | Sand              | 26 | 0 | 53  | 0 |
|                | Sandstone         | 9  | 0 | 62  | 0 |
|                | Sand              | 18 | 0 | 80  | 0 |
| ? Washint clay | Clay              | 1  | 0 | 81  | 0 |
|                | Sandstone         | 8  | 0 | 89  | 0 |
|                | Clay              |    | 6 | 89  | 6 |
|                | Sandstone         | 12 | 6 | 102 | 0 |
|                | Clay              | 6  | 0 | 108 | 0 |

This record is unsatisfactory in its description of strata. From evidence of samples from Aug 1st (122.6) the Washint Clay was encountered at about 60 ft down in this hole, say at 62 ft. The 'Sandstone' below that depth may have been fine silts.

L.T.W. 62'

N.C.C. 46'

1942

9/7/62

Ivy Dene Laundry

Yield 1000 g.p.h. 14-15 hours a day 5' down a well

R.W.L. 47' below surface Aug 1946

Water has been used for concrete - from the well for concrete

O.D. C+375

Visited 1 mile on Sussex 5 SW-E

C to 28.11.47

Disused. Visited 14.11.57. B.H.

GEOLOGICAL SURVEY AND MUSEUM,  
SOUTH KENSINGTON,  
LONDON, S.W.7.

For Survey use only

Date received

19.11.1943

G.S.M. Office File No.

Site marked on 1" map (use symbol)

(7998) Wt. 88064/0340 5,000 12/83  
A.E.W. Ltd. Gp. 496



TQ 4168 3701

## RECORD OF WELL (SHAFT OR BORE)

(For Survey use only)

N2374

1-inch Map Registered No.

TQ43/22B

303/122

B

At NYDEME LAUNDRY N. 2374

Town or Village ASHURSTWOOD

County SUSSEX Six-inch quarter sheet V.S.W.

For Mr. MITCHELL

Exact site of well 100 yds N.E. of "The Rocks"

Attach a tracing from  
a map, or a sketch  
map, if possible.Level of ground surface  
above sea-level (O.D.) 375 ft.If well-top is not at ground  
level, state how far{ above;  
below; ft.

SHAFT 30 ft.; diameter 4 ft. Details of headings

BORE to 100 ft.; diameter of bore: at top 10 ins.; at bottom 4 1/2 ins. Lengths,

diameters, perforations, etc., of lining tubes 10" I.D. to 100' 0" Skellings from 70' to 100

Internal liner 4 1/2" I.D. from 60' to 100' with sand screen from 72' to 90.

Water struck at depths, below well top, of (feet)

Rest-level of water 32 ft. above well-top. Suction at 86 3/4 ft. Yield on hours pumping, 976 gal.

per hour with depression to ? ft. below well-top. Capacity of pump 976 g.p.h. Recovery to

rest level in ? mins. Date of measurements Nov 1952 Date of well Nov 1952

Quality of water (attach copy of analysis if available)

Well made by DUKE &amp; OCKENDEN LTD

Information from

DUKE &amp; OCKENDEN, LTD

LONDON AND  
LITTLEHAMPTON

Additional notes in space overleaf.

(For Survey use only)  
GEOLOGICAL  
CLASSIFICATION

## NATURE OF STRATA

## THICKNESS

## DEPTH

Feet Ins.

Feet Ins.

DUG WELL If measurements start below ground surface, e.g.,  
from bottom of an existing shaft, state how far

sand

30

0

30

0

sandstone

23

0

53

0

sand

7

0

60

0

sand

20

0

80

0

sandstone

20

0

100

0

then Clay

Yield 1000 g.p.h., 12 h.p.d., 5 d.p.w.

Quality satisfactory.

Sited on Sussex 5 SW/E. by O.

O.D. + 375. Visited 14.11.57.

Sited by A on 6" sheet Sussex 5 SW.

9-7-54.

EMBC.

Continued over leaf

GEOLOGICAL SURVEY AND MUSEUM,  
SOUTH KENSINGTON,  
LONDON, S.W.7.Date  
receivedCorrespond-  
ence File No.1" N.S. Map  
No.1" O.S. Map  
No.Site marked (use symbol)  
on 1" Map on 6" Map

17.6.54.

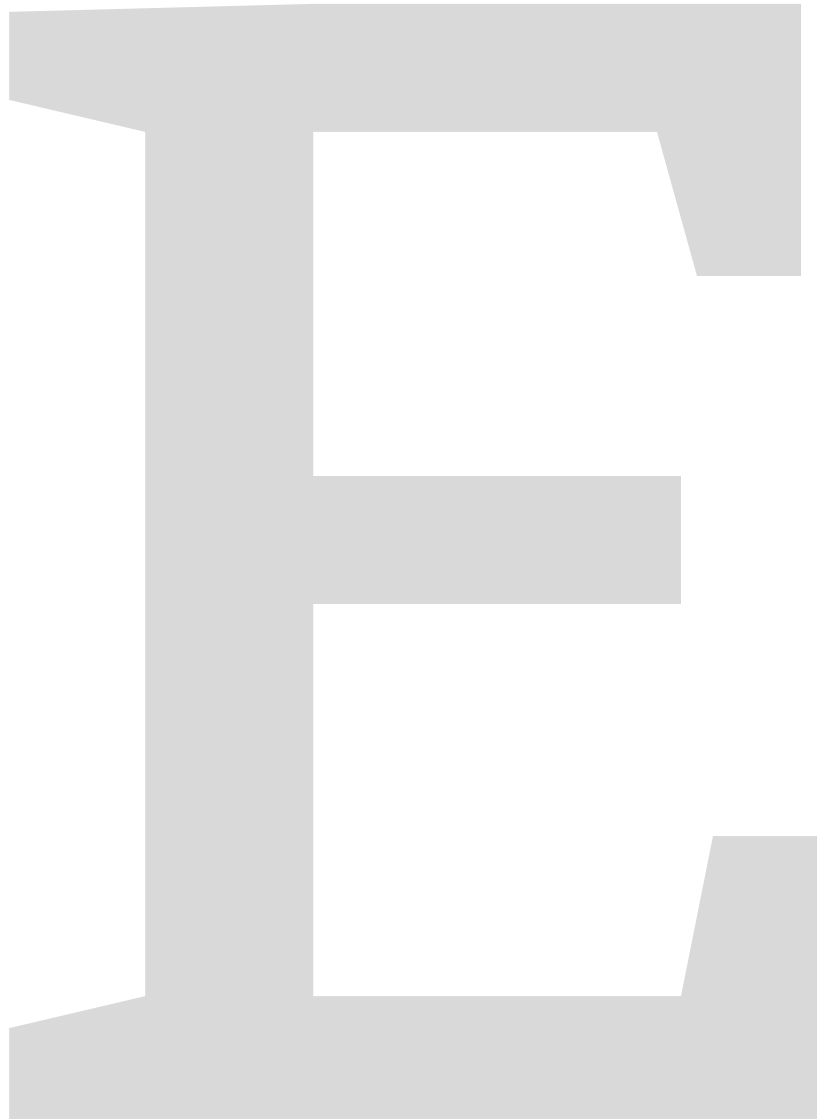
A



A collage of six images related to environmental testing. Top left: A large white pipe. Top middle: A close-up of a soil sample in a sieve. Top right: A person in a yellow safety suit working with equipment. Middle left: A red truck with 'Southern' on the side. Middle right: A close-up of a soil sample with a gauge. Bottom right: A person in a blue shirt working with equipment.

## APPENDIX E

### Contamination Laboratory Test Methods and Results



These screening values are valid at the time of writing but may be subject to change and any such changes will have implications for the assessments based on them. Their validity should be confirmed at the time of site development.

**Table 1 – Tier 1 Screening Values**

| Contaminant                    | Units | Proposed Land Use                               |                                                    |                            |                     |            |                         |
|--------------------------------|-------|-------------------------------------------------|----------------------------------------------------|----------------------------|---------------------|------------|-------------------------|
|                                |       | Residential with home grown produce consumption | Residential without home grown produce consumption | Open Space * (Residential) | Open Space * (Park) | Allotments | Commercial / Industrial |
| Arsenic (As) [2]               | mg/kg | 37                                              | 40                                                 | 79                         | 170                 | 43         | 640                     |
| Cadmium (Cd) [2]               | mg/kg | 11                                              | 85                                                 | 120                        | 555                 | 1.9        | 190                     |
| Trivalent Chromium (CrIII) [2] | mg/kg | 910                                             | 910                                                | 1,500                      | 33,000              | 18,000     | 8600                    |
| Hexavalent Chromium (CrVI) [2] | mg/kg | 6                                               | 6                                                  | 7.7                        | 220                 | 1.8        | 33                      |
| Lead (Pb) [3]                  | mg/kg | 200                                             | 310                                                | 630                        | 1300                | 80         | 2330                    |
| Mercury (Hg) [1,2,7]           | mg/kg | 7.6-11                                          | 9.2-15                                             | 40                         | 68-71               | 6.0        | 29-320                  |
| Selenium (Se) [2]              | mg/kg | 250                                             | 430                                                | 1,100                      | 1,800               | 88         | 12,000                  |
| Nickel (Ni) [2,4]              | mg/kg | 130                                             | 180                                                | 230                        | 800                 | 53         | 980                     |
| Copper (Cu) [2,4]              | mg/kg | 2,400                                           | 7,100                                              | 12,000                     | 44,000              | 520        | 68,000                  |
| Zinc (Zn) [2,4]                | mg/kg | 3,700                                           | 40,000                                             | 81,000                     | 170,000             | 620        | 730,000                 |
| Phenol [1,2]                   | mg/kg | 120-380                                         | 440-1200                                           | 440-1300                   | 440-1300            | 23-83      | 440-1300                |
| Benzo[a]pyrene [1,5]           | mg/kg | 1.7-2.4                                         | 2.6                                                | 4.9                        | 10                  | 0.67-2.7   | 36                      |
| Naphthalene [1,2]              | mg/kg | 2.3-13                                          | 2.3-13                                             | 77-430*                    | 77-430*             | 4.1-24     | 77-430*                 |
| Total Cyanide (CN) [6]         | mg/kg | /                                               | /                                                  | /                          | /                   | /          | /                       |
| Free Cyanide [6]               | mg/kg | /                                               | /                                                  | /                          | /                   | /          | /                       |
| Complex Cyanides [6]           | mg/kg | /                                               | /                                                  | /                          | /                   | /          | /                       |
| Thiocyanate [6]                | mg/kg | /                                               | /                                                  | /                          | /                   | /          | /                       |

**Notes:**

\* Open Space levels calculated on the basis of the exposure modelling developed in the C4SL research.

+ Screening values constrained to saturation limit. Higher values may be acceptable on a site specific basis.

[1] Where ranges of values are given for organic contaminants the screening value is dependent on the Soil +Organic Matter.

[2] LQM/CIEH S4UL (2014). Copyright Land Quality Management Ltd. reproduced with permission; Publication Number S4UL 3116. All rights reserved.

[3] C4SL (DEFRA 2014).

[4] Copper, Zinc and Nickel may have phototoxic effects at the given concentrations. Alternative criteria should be adopted for importation of Topsoil or other soils for cultivation. BS3882:2015 and BS8601:2013 suggest values of 200 to 300mg/kg for Zn, 100 to 200mg/kg for Cu, and 60 to 110mg/kg for Ni, for topsoil and subsoil, depending on pH.

[5] Based on the Surrogate Marker approach and modelled using the modified exposure parameters of C4SL but retaining 'minimal risk' HCV.

[6] Screening criteria derived on a site specific basis if test results indicate.

[7] S4UL for Methyl Mercury, higher concentrations may be tolerable if inorganic mercury is the only species present. Lower concentrations apply for elemental Mercury.

Southern Testing Laboratories Ltd  
Keeble House  
Stuart Way  
East Grinstead  
West Sussex  
RH19 4QA

**t:** 01342 333100

**e:** stomas@southerntesting.co.uk  
contamresults@southerntesting.co.uk

i2 Analytical Ltd.  
7 Woodshots Meadow,  
Croxley Green  
Business Park,  
Watford,  
Herts,  
WD18 8YS

**t:** 01923 225404  
**f:** 01923 237404  
**e:** reception@i2analytical.com

## **Analytical Report Number : 24-032137**

**Project / Site name:** Wealden House, East Grinstead

**Samples received on:** 23/07/2024

**Your job number:** J15778

**Samples instructed on/  
Analysis started on:** 23/07/2024

**Your order number:** J15778 1

**Analysis completed by:** 30/07/2024

**Report Issue Number:** 1

**Report issued on:** 30/07/2024

**Samples Analysed:** 15 soil samples

**Signed:**



Dominika Liana  
Junior Reporting Specialist  
**For & on behalf of i2 Analytical Ltd.**

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting  
leachates - 2 weeks from reporting  
waters - 2 weeks from reporting  
asbestos - 6 months from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.  
Application of uncertainty of measurement would provide a range within which the true result lies.  
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 24-032137  
 Project / Site name: Wealden House, East Grinstead  
 Your Order No: J15778 1

|                                      |  |  |  |            |                         |                           |            |            |
|--------------------------------------|--|--|--|------------|-------------------------|---------------------------|------------|------------|
| Lab Sample Number                    |  |  |  | 264960     | 264961                  | 264962                    | 264963     | 264964     |
| Sample Reference                     |  |  |  | WLS101     | WLS101                  | WLS102                    | WLS103     | WLS103     |
| Sample Number                        |  |  |  | ES         | ES                      | ES                        | ES         | ES         |
| Depth (m)                            |  |  |  | 0.20       | 0.55                    | 0.55                      | 0.20       | 0.50       |
| Date Sampled                         |  |  |  | 18/07/2024 | 18/07/2024              | 18/07/2024                | 18/07/2024 | 18/07/2024 |
| Time Taken                           |  |  |  | 0900       | 0900                    | 1000                      | 1100       | 1100       |
| Analytical Parameter (Soil Analysis) |  |  |  | Units      | Test Limit of detection | Test Accreditation Status |            |            |

|                               |    |      |      |   |       |       |   |       |
|-------------------------------|----|------|------|---|-------|-------|---|-------|
| Stone Content                 | %  | 0.1  | NONE | - | < 0.1 | < 0.1 | - | < 0.1 |
| Moisture Content              | %  | 0.01 | NONE | - | 15    | 8.6   | - | 11    |
| Total mass of sample received | kg | 0.1  | NONE | - | 0.5   | 0.5   | - | 0.4   |

Asbestos

|                                        |      |     |           |              |              |              |              |              |
|----------------------------------------|------|-----|-----------|--------------|--------------|--------------|--------------|--------------|
| Asbestos in Soil Detected/Not Detected | Type | N/A | ISO 17025 | Not-detected | Not-detected | Not-detected | Not-detected | Not-detected |
| Asbestos Analyst ID                    | N/A  | N/A | N/A       | KJK          | KJK          | KJK          | KJK          | KJK          |

General Inorganics

|                                                                         |          |         |        |   |       |        |   |        |
|-------------------------------------------------------------------------|----------|---------|--------|---|-------|--------|---|--------|
| pH (L099)                                                               | pH Units | N/A     | MCERTS | - | 7.6   | 7.7    | - | 8.1    |
| Total Cyanide                                                           | mg/kg    | 1       | MCERTS | - | < 1.0 | < 1.0  | - | < 1.0  |
| Water Soluble Sulphate as SO <sub>4</sub> 16hr extraction (2:1)         | mg/kg    | 2.5     | MCERTS | - | 64    | 190    | - | 32     |
| Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent) | g/l      | 0.00125 | MCERTS | - | 0.032 | 0.0956 | - | 0.0159 |
| Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent) | mg/l     | 1.25    | MCERTS | - | 32    | 95.6   | - | 15.9   |
| Sulphide                                                                | mg/kg    | 1       | MCERTS | - | 1.3   | < 1.0  | - | < 1.0  |
| Organic Matter (automated)                                              | %        | 0.1     | MCERTS | - | 0.4   | 1.8    | - | 1.6    |

Total Phenols

|                            |       |   |        |   |       |       |   |       |
|----------------------------|-------|---|--------|---|-------|-------|---|-------|
| Total Phenols (monohydric) | mg/kg | 1 | MCERTS | - | < 1.0 | < 1.0 | - | < 1.0 |
|----------------------------|-------|---|--------|---|-------|-------|---|-------|

Speciated PAHs

|                        |       |      |           |   |        |        |   |      |
|------------------------|-------|------|-----------|---|--------|--------|---|------|
| Naphthalene            | mg/kg | 0.05 | MCERTS    | - | < 0.05 | < 0.05 | - | 0.13 |
| Acenaphthylene         | mg/kg | 0.05 | MCERTS    | - | < 0.05 | < 0.05 | - | 0.59 |
| Acenaphthene           | mg/kg | 0.05 | MCERTS    | - | < 0.05 | < 0.05 | - | 0.16 |
| Fluorene               | mg/kg | 0.05 | MCERTS    | - | < 0.05 | 0.06   | - | 0.43 |
| Phenanthrene           | mg/kg | 0.05 | MCERTS    | - | < 0.05 | 0.89   | - | 6.6  |
| Anthracene             | mg/kg | 0.05 | MCERTS    | - | < 0.05 | 0.07   | - | 1.4  |
| Fluoranthene           | mg/kg | 0.05 | MCERTS    | - | 0.1    | 1.3    | - | 16   |
| Pyrene                 | mg/kg | 0.05 | MCERTS    | - | 0.09   | 0.98   | - | 14   |
| Benzo(a)anthracene     | mg/kg | 0.05 | MCERTS    | - | < 0.05 | 0.43   | - | 7.8  |
| Chrysene               | mg/kg | 0.05 | MCERTS    | - | < 0.05 | 0.55   | - | 7.3  |
| Benzo(b)fluoranthene   | mg/kg | 0.05 | ISO 17025 | - | < 0.05 | 0.6    | - | 7.3  |
| Benzo(k)fluoranthene   | mg/kg | 0.05 | ISO 17025 | - | < 0.05 | 0.26   | - | 3.9  |
| Benzo(a)pyrene         | mg/kg | 0.05 | MCERTS    | - | < 0.05 | 0.47   | - | 6.5  |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS    | - | < 0.05 | 0.33   | - | 3.5  |
| Dibenz(a,h)anthracene  | mg/kg | 0.05 | MCERTS    | - | < 0.05 | 0.05   | - | 1.1  |
| Benzo(ghi)perylene     | mg/kg | 0.05 | MCERTS    | - | < 0.05 | 0.29   | - | 3.3  |

Total PAH

|                             |       |     |           |   |        |      |   |    |
|-----------------------------|-------|-----|-----------|---|--------|------|---|----|
| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | ISO 17025 | - | < 0.80 | 6.26 | - | 79 |
|-----------------------------|-------|-----|-----------|---|--------|------|---|----|

Analytical Report Number: 24-032137  
Project / Site name: Wealden House, East Grinstead  
Your Order No: J15778 1

|                                         |       |                            |                              |            |            |            |            |            |
|-----------------------------------------|-------|----------------------------|------------------------------|------------|------------|------------|------------|------------|
| Lab Sample Number                       |       |                            |                              | 264960     | 264961     | 264962     | 264963     | 264964     |
| Sample Reference                        |       |                            |                              | WLS101     | WLS101     | WLS102     | WLS103     | WLS103     |
| Sample Number                           |       |                            |                              | ES         | ES         | ES         | ES         | ES         |
| Depth (m)                               |       |                            |                              | 0.20       | 0.55       | 0.55       | 0.20       | 0.50       |
| Date Sampled                            |       |                            |                              | 18/07/2024 | 18/07/2024 | 18/07/2024 | 18/07/2024 | 18/07/2024 |
| Time Taken                              |       |                            |                              | 0900       | 0900       | 1000       | 1100       | 1100       |
| Analytical Parameter<br>(Soil Analysis) | Units | Test Limit of<br>detection | Test Accreditation<br>Status |            |            |            |            |            |
|                                         |       |                            |                              |            |            |            |            |            |

Heavy Metals / Metalloids

|                                   |       |     |        |   |       |       |   |       |
|-----------------------------------|-------|-----|--------|---|-------|-------|---|-------|
| Arsenic (aqua regia extractable)  | mg/kg | 1   | MCERTS | - | 7.5   | 25    | - | 18    |
| Cadmium (aqua regia extractable)  | mg/kg | 0.2 | MCERTS | - | < 0.2 | < 0.2 | - | < 0.2 |
| Chromium (hexavalent)             | mg/kg | 1.8 | MCERTS | - | < 1.8 | < 1.8 | - | < 1.8 |
| Chromium (aqua regia extractable) | mg/kg | 1   | MCERTS | - | 27    | 22    | - | 20    |
| Copper (aqua regia extractable)   | mg/kg | 1   | MCERTS | - | 7.8   | 23    | - | 35    |
| Lead (aqua regia extractable)     | mg/kg | 1   | MCERTS | - | 23    | 210   | - | 810   |
| Mercury (aqua regia extractable)  | mg/kg | 0.3 | MCERTS | - | < 0.3 | < 0.3 | - | 0.6   |
| Nickel (aqua regia extractable)   | mg/kg | 1   | MCERTS | - | 15    | 12    | - | 12    |
| Selenium (aqua regia extractable) | mg/kg | 1   | MCERTS | - | < 1.0 | 1.7   | - | < 1.0 |
| Zinc (aqua regia extractable)     | mg/kg | 1   | MCERTS | - | 64    | 84    | - | 120   |

Petroleum Hydrocarbons

|                                                          |       |      |        |   |   |   |   |   |
|----------------------------------------------------------|-------|------|--------|---|---|---|---|---|
| TPHCWG - Aliphatic >EC5 - EC6 <sub>HS_1D_AL</sub>        | mg/kg | 0.01 | MCERTS | - | - | - | - | - |
| TPHCWG - Aliphatic >EC6 - EC8 <sub>HS_1D_AL</sub>        | mg/kg | 0.01 | MCERTS | - | - | - | - | - |
| TPHCWG - Aliphatic >EC8 - EC10 <sub>HS_1D_AL</sub>       | mg/kg | 0.01 | MCERTS | - | - | - | - | - |
| TPHCWG - Aliphatic >EC10 - EC12 <sub>EH_CU_1D_AL</sub>   | mg/kg | 1    | MCERTS | - | - | - | - | - |
| TPHCWG - Aliphatic >EC12 - EC16 <sub>EH_CU_1D_AL</sub>   | mg/kg | 2    | MCERTS | - | - | - | - | - |
| TPHCWG - Aliphatic >EC16 - EC21 <sub>EH_CU_1D_AL</sub>   | mg/kg | 8    | MCERTS | - | - | - | - | - |
| TPHCWG - Aliphatic >EC21 - EC35 <sub>EH_CU_1D_AL</sub>   | mg/kg | 8    | MCERTS | - | - | - | - | - |
| TPHCWG - Aliphatic >EC5 - EC35 <sub>EH_CU+HS_1D_AL</sub> | mg/kg | 10   | NONE   | - | - | - | - | - |

|                                                         |       |      |        |   |   |   |   |   |
|---------------------------------------------------------|-------|------|--------|---|---|---|---|---|
| TPHCWG - Aromatic >EC5 - EC7 <sub>HS_1D_AR</sub>        | mg/kg | 0.01 | MCERTS | - | - | - | - | - |
| TPHCWG - Aromatic >EC7 - EC8 <sub>HS_1D_AR</sub>        | mg/kg | 0.01 | MCERTS | - | - | - | - | - |
| TPHCWG - Aromatic >EC8 - EC10 <sub>HS_1D_AR</sub>       | mg/kg | 0.02 | MCERTS | - | - | - | - | - |
| TPHCWG - Aromatic >EC10 - EC12 <sub>EH_CU_1D_AR</sub>   | mg/kg | 1    | MCERTS | - | - | - | - | - |
| TPHCWG - Aromatic >EC12 - EC16 <sub>EH_CU_1D_AR</sub>   | mg/kg | 2    | MCERTS | - | - | - | - | - |
| TPHCWG - Aromatic >EC16 - EC21 <sub>EH_CU_1D_AR</sub>   | mg/kg | 10   | MCERTS | - | - | - | - | - |
| TPHCWG - Aromatic >EC21 - EC35 <sub>EH_CU_1D_AR</sub>   | mg/kg | 10   | MCERTS | - | - | - | - | - |
| TPHCWG - Aromatic >EC5 - EC35 <sub>EH_CU+HS_1D_AR</sub> | mg/kg | 10   | NONE   | - | - | - | - | - |

PCBs by GC-MS

|                  |       |       |        |   |   |   |   |   |
|------------------|-------|-------|--------|---|---|---|---|---|
| PCB Congener 28  | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 52  | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 101 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 118 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 138 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 153 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 180 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |

|            |       |       |        |   |   |   |   |   |
|------------|-------|-------|--------|---|---|---|---|---|
| Total PCBs | mg/kg | 0.007 | MCERTS | - | - | - | - | - |
|------------|-------|-------|--------|---|---|---|---|---|

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



**Analytical Report Number: 24-032137**  
**Project / Site name: Wealden House, East Grinstead**  
**Your Order No: J15778 1**

|                                                 |              |                                    |                                      |            |            |            |            |            |
|-------------------------------------------------|--------------|------------------------------------|--------------------------------------|------------|------------|------------|------------|------------|
| <b>Lab Sample Number</b>                        |              |                                    |                                      | 264965     | 264966     | 264967     | 264968     | 264969     |
| <b>Sample Reference</b>                         |              |                                    |                                      | WLS105     | WLS107     | WLS108     | WLS108     | WLS109     |
| <b>Sample Number</b>                            |              |                                    |                                      | ES         | ES         | ES         | ES         | ES         |
| <b>Depth (m)</b>                                |              |                                    |                                      | 0.50       | 0.40       | 0.45       | 0.60       | 0.50       |
| <b>Date Sampled</b>                             |              |                                    |                                      | 18/07/2024 | 19/07/2024 | 19/07/2024 | 19/07/2024 | 19/07/2024 |
| <b>Time Taken</b>                               |              |                                    |                                      | 1400       | 0900       | 0930       | 0930       | 1030       |
| <b>Analytical Parameter<br/>(Soil Analysis)</b> | <b>Units</b> | <b>Test Limit of<br/>detection</b> | <b>Test Accreditation<br/>Status</b> |            |            |            |            |            |

|                               |    |      |      |       |   |       |       |       |
|-------------------------------|----|------|------|-------|---|-------|-------|-------|
| Stone Content                 | %  | 0.1  | NONE | < 0.1 | - | < 0.1 | < 0.1 | < 0.1 |
| Moisture Content              | %  | 0.01 | NONE | 15    | - | 12    | 12    | 15    |
| Total mass of sample received | kg | 0.1  | NONE | 0.5   | - | 0.4   | 0.5   | 0.4   |

#### Asbestos

|                                        |      |     |           |              |              |   |              |              |
|----------------------------------------|------|-----|-----------|--------------|--------------|---|--------------|--------------|
| Asbestos in Soil Detected/Not Detected | Type | N/A | ISO 17025 | Not-detected | Not-detected | - | Not-detected | Not-detected |
| Asbestos Analyst ID                    | N/A  | N/A | N/A       | KJK          | KJK          | - | KJK          | KJK          |

#### General Inorganics

|                                                                         |          |         |        |        |   |   |         |        |
|-------------------------------------------------------------------------|----------|---------|--------|--------|---|---|---------|--------|
| pH (L099)                                                               | pH Units | N/A     | MCERTS | 7.4    | - | - | 8.1     | 7.2    |
| Total Cyanide                                                           | mg/kg    | 1       | MCERTS | < 1.0  | - | - | < 1.0   | < 1.0  |
| Water Soluble Sulphate as SO <sub>4</sub> 16hr extraction (2:1)         | mg/kg    | 2.5     | MCERTS | 100    | - | - | 12      | 46     |
| Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent) | g/l      | 0.00125 | MCERTS | 0.0511 | - | - | 0.00611 | 0.0231 |
| Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent) | mg/l     | 1.25    | MCERTS | 51.1   | - | - | 6.11    | 23.1   |
| Sulphide                                                                | mg/kg    | 1       | MCERTS | 4.1    | - | - | < 1.0   | < 1.0  |
| Organic Matter (automated)                                              | %        | 0.1     | MCERTS | 1.2    | - | - | 1       | 1.8    |

#### Total Phenols

|                            |       |   |        |       |   |   |       |       |
|----------------------------|-------|---|--------|-------|---|---|-------|-------|
| Total Phenols (monohydric) | mg/kg | 1 | MCERTS | < 1.0 | - | - | < 1.0 | < 1.0 |
|----------------------------|-------|---|--------|-------|---|---|-------|-------|

#### Speciated PAHs

|                        |       |      |           |        |   |   |        |        |
|------------------------|-------|------|-----------|--------|---|---|--------|--------|
| Naphthalene            | mg/kg | 0.05 | MCERTS    | < 0.05 | - | - | < 0.05 | < 0.05 |
| Acenaphthylene         | mg/kg | 0.05 | MCERTS    | < 0.05 | - | - | < 0.05 | < 0.05 |
| Acenaphthene           | mg/kg | 0.05 | MCERTS    | < 0.05 | - | - | < 0.05 | < 0.05 |
| Fluorene               | mg/kg | 0.05 | MCERTS    | < 0.05 | - | - | < 0.05 | < 0.05 |
| Phenanthrene           | mg/kg | 0.05 | MCERTS    | 0.32   | - | - | < 0.05 | 0.53   |
| Anthracene             | mg/kg | 0.05 | MCERTS    | 0.18   | - | - | < 0.05 | 0.16   |
| Fluoranthene           | mg/kg | 0.05 | MCERTS    | 0.94   | - | - | < 0.05 | 1.3    |
| Pyrene                 | mg/kg | 0.05 | MCERTS    | 0.86   | - | - | < 0.05 | 1.2    |
| Benzo(a)anthracene     | mg/kg | 0.05 | MCERTS    | 0.46   | - | - | < 0.05 | 0.57   |
| Chrysene               | mg/kg | 0.05 | MCERTS    | 0.48   | - | - | < 0.05 | 0.6    |
| Benzo(b)fluoranthene   | mg/kg | 0.05 | ISO 17025 | 0.48   | - | - | < 0.05 | 0.66   |
| Benzo(k)fluoranthene   | mg/kg | 0.05 | ISO 17025 | 0.21   | - | - | < 0.05 | 0.2    |
| Benzo(a)pyrene         | mg/kg | 0.05 | MCERTS    | 0.42   | - | - | < 0.05 | 0.5    |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS    | 0.27   | - | - | < 0.05 | 0.33   |
| Dibenz(a,h)anthracene  | mg/kg | 0.05 | MCERTS    | < 0.05 | - | - | < 0.05 | < 0.05 |
| Benzo(ghi)perylene     | mg/kg | 0.05 | MCERTS    | 0.29   | - | - | < 0.05 | 0.35   |

#### Total PAH

|                             |       |     |           |      |   |   |        |      |
|-----------------------------|-------|-----|-----------|------|---|---|--------|------|
| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | ISO 17025 | 4.91 | - | - | < 0.80 | 6.45 |
|-----------------------------|-------|-----|-----------|------|---|---|--------|------|

**Analytical Report Number: 24-032137**  
**Project / Site name: Wealden House, East Grinstead**  
**Your Order No: J15778 1**

|                                                 |              |                                    |                                      |            |            |            |            |            |
|-------------------------------------------------|--------------|------------------------------------|--------------------------------------|------------|------------|------------|------------|------------|
| <b>Lab Sample Number</b>                        |              |                                    |                                      | 264965     | 264966     | 264967     | 264968     | 264969     |
| <b>Sample Reference</b>                         |              |                                    |                                      | WLS105     | WLS107     | WLS108     | WLS108     | WLS109     |
| <b>Sample Number</b>                            |              |                                    |                                      | ES         | ES         | ES         | ES         | ES         |
| <b>Depth (m)</b>                                |              |                                    |                                      | 0.50       | 0.40       | 0.45       | 0.60       | 0.50       |
| <b>Date Sampled</b>                             |              |                                    |                                      | 18/07/2024 | 19/07/2024 | 19/07/2024 | 19/07/2024 | 19/07/2024 |
| <b>Time Taken</b>                               |              |                                    |                                      | 1400       | 0900       | 0930       | 0930       | 1030       |
| <b>Analytical Parameter<br/>(Soil Analysis)</b> | <b>Units</b> | <b>Test Limit of<br/>detection</b> | <b>Test Accreditation<br/>Status</b> |            |            |            |            |            |

#### Heavy Metals / Metalloids

|                                   |       |     |        |       |   |   |       |       |
|-----------------------------------|-------|-----|--------|-------|---|---|-------|-------|
| Arsenic (aqua regia extractable)  | mg/kg | 1   | MCERTS | 11    | - | - | 7     | 11    |
| Cadmium (aqua regia extractable)  | mg/kg | 0.2 | MCERTS | < 0.2 | - | - | < 0.2 | < 0.2 |
| Chromium (hexavalent)             | mg/kg | 1.8 | MCERTS | < 1.8 | - | - | < 1.8 | < 1.8 |
| Chromium (aqua regia extractable) | mg/kg | 1   | MCERTS | 23    | - | - | 13    | 19    |
| Copper (aqua regia extractable)   | mg/kg | 1   | MCERTS | 13    | - | - | 7.8   | 19    |
| Lead (aqua regia extractable)     | mg/kg | 1   | MCERTS | 51    | - | - | 19    | 58    |
| Mercury (aqua regia extractable)  | mg/kg | 0.3 | MCERTS | < 0.3 | - | - | < 0.3 | < 0.3 |
| Nickel (aqua regia extractable)   | mg/kg | 1   | MCERTS | 12    | - | - | 6.4   | 12    |
| Selenium (aqua regia extractable) | mg/kg | 1   | MCERTS | 1.3   | - | - | 1.8   | 1.9   |
| Zinc (aqua regia extractable)     | mg/kg | 1   | MCERTS | 48    | - | - | 30    | 71    |

#### Petroleum Hydrocarbons

|                                                          |       |      |        |         |   |         |   |         |
|----------------------------------------------------------|-------|------|--------|---------|---|---------|---|---------|
| TPHCWG - Aliphatic >EC5 - EC6 <sub>HS_1D_AL</sub>        | mg/kg | 0.01 | MCERTS | < 0.010 | - | < 0.020 | - | < 0.020 |
| TPHCWG - Aliphatic >EC6 - EC8 <sub>HS_1D_AL</sub>        | mg/kg | 0.01 | MCERTS | < 0.010 | - | < 0.020 | - | < 0.020 |
| TPHCWG - Aliphatic >EC8 - EC10 <sub>HS_1D_AL</sub>       | mg/kg | 0.01 | MCERTS | < 0.010 | - | < 0.050 | - | < 0.050 |
| TPHCWG - Aliphatic >EC10 - EC12 <sub>EH_CU_1D_AL</sub>   | mg/kg | 1    | MCERTS | < 1.0   | - | < 1.0   | - | < 1.0   |
| TPHCWG - Aliphatic >EC12 - EC16 <sub>EH_CU_1D_AL</sub>   | mg/kg | 2    | MCERTS | < 2.0   | - | < 2.0   | - | < 2.0   |
| TPHCWG - Aliphatic >EC16 - EC21 <sub>EH_CU_1D_AL</sub>   | mg/kg | 8    | MCERTS | < 8.0   | - | < 8.0   | - | < 8.0   |
| TPHCWG - Aliphatic >EC21 - EC35 <sub>EH_CU_1D_AL</sub>   | mg/kg | 8    | MCERTS | < 8.0   | - | < 8.0   | - | < 8.0   |
| TPHCWG - Aliphatic >EC5 - EC35 <sub>EH_CU+HS_1D_AL</sub> | mg/kg | 10   | NONE   | < 10    | - | < 10    | - | < 10    |

|                                                         |       |      |        |         |   |         |   |         |
|---------------------------------------------------------|-------|------|--------|---------|---|---------|---|---------|
| TPHCWG - Aromatic >EC5 - EC7 <sub>HS_1D_AR</sub>        | mg/kg | 0.01 | MCERTS | < 0.010 | - | < 0.010 | - | < 0.010 |
| TPHCWG - Aromatic >EC7 - EC8 <sub>HS_1D_AR</sub>        | mg/kg | 0.01 | MCERTS | < 0.010 | - | < 0.010 | - | < 0.010 |
| TPHCWG - Aromatic >EC8 - EC10 <sub>HS_1D_AR</sub>       | mg/kg | 0.02 | MCERTS | < 0.020 | - | < 0.050 | - | < 0.050 |
| TPHCWG - Aromatic >EC10 - EC12 <sub>EH_CU_1D_AR</sub>   | mg/kg | 1    | MCERTS | < 1.0   | - | < 1.0   | - | < 1.0   |
| TPHCWG - Aromatic >EC12 - EC16 <sub>EH_CU_1D_AR</sub>   | mg/kg | 2    | MCERTS | < 2.0   | - | < 2.0   | - | < 2.0   |
| TPHCWG - Aromatic >EC16 - EC21 <sub>EH_CU_1D_AR</sub>   | mg/kg | 10   | MCERTS | < 10    | - | < 10    | - | < 10    |
| TPHCWG - Aromatic >EC21 - EC35 <sub>EH_CU_1D_AR</sub>   | mg/kg | 10   | MCERTS | < 10    | - | < 10    | - | < 10    |
| TPHCWG - Aromatic >EC5 - EC35 <sub>EH_CU+HS_1D_AR</sub> | mg/kg | 10   | NONE   | < 10    | - | < 10    | - | < 10    |

#### PCBs by GC-MS

|                  |       |       |        |         |   |         |   |         |
|------------------|-------|-------|--------|---------|---|---------|---|---------|
| PCB Congener 28  | mg/kg | 0.001 | MCERTS | < 0.001 | - | < 0.001 | - | < 0.001 |
| PCB Congener 52  | mg/kg | 0.001 | MCERTS | < 0.001 | - | < 0.001 | - | < 0.001 |
| PCB Congener 101 | mg/kg | 0.001 | MCERTS | < 0.001 | - | < 0.001 | - | < 0.001 |
| PCB Congener 118 | mg/kg | 0.001 | MCERTS | < 0.001 | - | < 0.001 | - | < 0.001 |
| PCB Congener 138 | mg/kg | 0.001 | MCERTS | < 0.001 | - | < 0.001 | - | < 0.001 |
| PCB Congener 153 | mg/kg | 0.001 | MCERTS | < 0.001 | - | < 0.001 | - | < 0.001 |
| PCB Congener 180 | mg/kg | 0.001 | MCERTS | < 0.001 | - | < 0.001 | - | < 0.001 |

|            |       |       |        |         |   |         |   |         |
|------------|-------|-------|--------|---------|---|---------|---|---------|
| Total PCBs | mg/kg | 0.007 | MCERTS | < 0.007 | - | < 0.007 | - | < 0.007 |
|------------|-------|-------|--------|---------|---|---------|---|---------|

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



Analytical Report Number: 24-032137  
Project / Site name: Wealden House, East Grinstead  
Your Order No: J15778 1

|                                         |  |  |  |            |                            |                              |            |            |
|-----------------------------------------|--|--|--|------------|----------------------------|------------------------------|------------|------------|
| Lab Sample Number                       |  |  |  | 264970     | 264971                     | 264972                       | 264973     | 264974     |
| Sample Reference                        |  |  |  | WLS110     | WLS110                     | WLS111                       | WLS111     | WLS112     |
| Sample Number                           |  |  |  | ES         | ES                         | ES                           | ES         | ES         |
| Depth (m)                               |  |  |  | 0.20       | 0.40                       | 0.10                         | 0.40       | 0.10       |
| Date Sampled                            |  |  |  | 19/07/2024 | 19/07/2024                 | 19/07/2024                   | 19/07/2024 | 19/07/2024 |
| Time Taken                              |  |  |  | 1230       | 1230                       | 1130                         | 1130       | 1100       |
| Analytical Parameter<br>(Soil Analysis) |  |  |  | Units      | Test Limit of<br>detection | Test Accreditation<br>Status |            |            |

|                               |    |      |      |       |       |       |       |       |
|-------------------------------|----|------|------|-------|-------|-------|-------|-------|
| Stone Content                 | %  | 0.1  | NONE | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| Moisture Content              | %  | 0.01 | NONE | 16    | 17    | 17    | 16    | 21    |
| Total mass of sample received | kg | 0.1  | NONE | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   |

Asbestos

|                                        |      |     |           |              |              |              |              |              |
|----------------------------------------|------|-----|-----------|--------------|--------------|--------------|--------------|--------------|
| Asbestos in Soil Detected/Not Detected | Type | N/A | ISO 17025 | Not-detected | Not-detected | Not-detected | Not-detected | Not-detected |
| Asbestos Analyst ID                    | N/A  | N/A | N/A       | KJK          | KJK          | KJK          | KJK          | KJK          |

General Inorganics

|                                                                         |          |         |        |         |        |         |         |         |
|-------------------------------------------------------------------------|----------|---------|--------|---------|--------|---------|---------|---------|
| pH (L099)                                                               | pH Units | N/A     | MCERTS | 7.4     | 7.6    | 5.6     | 6.8     | 6.5     |
| Total Cyanide                                                           | mg/kg    | 1       | MCERTS | < 1.0   | < 1.0  | < 1.0   | < 1.0   | < 1.0   |
| Water Soluble Sulphate as SO <sub>4</sub> 16hr extraction (2:1)         | mg/kg    | 2.5     | MCERTS | 9.3     | 34     | 11      | 19      | 15      |
| Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent) | g/l      | 0.00125 | MCERTS | 0.00466 | 0.0168 | 0.00533 | 0.00925 | 0.00746 |
| Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent) | mg/l     | 1.25    | MCERTS | 4.66    | 16.8   | 5.33    | 9.25    | 7.46    |
| Sulphide                                                                | mg/kg    | 1       | MCERTS | < 1.0   | < 1.0  | < 1.0   | < 1.0   | < 1.0   |
| Organic Matter (automated)                                              | %        | 0.1     | MCERTS | 1.8     | 0.5    | 3.4     | 0.9     | 2.7     |

Total Phenols

|                            |       |   |        |       |       |       |       |       |
|----------------------------|-------|---|--------|-------|-------|-------|-------|-------|
| Total Phenols (monohydric) | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
|----------------------------|-------|---|--------|-------|-------|-------|-------|-------|

Speciated PAHs

|                        |       |      |           |        |        |        |        |        |
|------------------------|-------|------|-----------|--------|--------|--------|--------|--------|
| Naphthalene            | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Acenaphthylene         | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Acenaphthene           | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Fluorene               | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Phenanthrene           | mg/kg | 0.05 | MCERTS    | 0.06   | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Anthracene             | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Fluoranthene           | mg/kg | 0.05 | MCERTS    | 0.17   | < 0.05 | 0.1    | < 0.05 | 0.08   |
| Pyrene                 | mg/kg | 0.05 | MCERTS    | 0.14   | < 0.05 | 0.09   | < 0.05 | 0.07   |
| Benzo(a)anthracene     | mg/kg | 0.05 | MCERTS    | 0.08   | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Chrysene               | mg/kg | 0.05 | MCERTS    | 0.08   | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(b)fluoranthene   | mg/kg | 0.05 | ISO 17025 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(k)fluoranthene   | mg/kg | 0.05 | ISO 17025 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(a)pyrene         | mg/kg | 0.05 | MCERTS    | 0.07   | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Dibenz(a,h)anthracene  | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(ghi)perylene     | mg/kg | 0.05 | MCERTS    | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |

Total PAH

|                             |       |     |           |        |        |        |        |        |
|-----------------------------|-------|-----|-----------|--------|--------|--------|--------|--------|
| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | ISO 17025 | < 0.80 | < 0.80 | < 0.80 | < 0.80 | < 0.80 |
|-----------------------------|-------|-----|-----------|--------|--------|--------|--------|--------|



Analytical Report Number: 24-032137  
Project / Site name: Wealden House, East Grinstead  
Your Order No: J15778 1

|                                         |       |                            |                              |            |            |            |            |            |
|-----------------------------------------|-------|----------------------------|------------------------------|------------|------------|------------|------------|------------|
| Lab Sample Number                       |       |                            |                              | 264970     | 264971     | 264972     | 264973     | 264974     |
| Sample Reference                        |       |                            |                              | WLS110     | WLS110     | WLS111     | WLS111     | WLS112     |
| Sample Number                           |       |                            |                              | ES         | ES         | ES         | ES         | ES         |
| Depth (m)                               |       |                            |                              | 0.20       | 0.40       | 0.10       | 0.40       | 0.10       |
| Date Sampled                            |       |                            |                              | 19/07/2024 | 19/07/2024 | 19/07/2024 | 19/07/2024 | 19/07/2024 |
| Time Taken                              |       |                            |                              | 1230       | 1230       | 1130       | 1130       | 1100       |
| Analytical Parameter<br>(Soil Analysis) | Units | Test Limit of<br>detection | Test Accreditation<br>Status |            |            |            |            |            |
|                                         |       |                            |                              |            |            |            |            |            |

Heavy Metals / Metalloids

|                                   |       |     |        |       |       |       |       |       |
|-----------------------------------|-------|-----|--------|-------|-------|-------|-------|-------|
| Arsenic (aqua regia extractable)  | mg/kg | 1   | MCERTS | 11    | 16    | 16    | 14    | 21    |
| Cadmium (aqua regia extractable)  | mg/kg | 0.2 | MCERTS | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 |
| Chromium (hexavalent)             | mg/kg | 1.8 | MCERTS | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| Chromium (aqua regia extractable) | mg/kg | 1   | MCERTS | 24    | 35    | 19    | 28    | 27    |
| Copper (aqua regia extractable)   | mg/kg | 1   | MCERTS | 32    | 22    | 25    | 11    | 22    |
| Lead (aqua regia extractable)     | mg/kg | 1   | MCERTS | 64    | 21    | 140   | 19    | 66    |
| Mercury (aqua regia extractable)  | mg/kg | 0.3 | MCERTS | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 |
| Nickel (aqua regia extractable)   | mg/kg | 1   | MCERTS | 14    | 13    | 12    | 9.9   | 35    |
| Selenium (aqua regia extractable) | mg/kg | 1   | MCERTS | 1.4   | < 1.0 | < 1.0 | < 1.0 | 2.3   |
| Zinc (aqua regia extractable)     | mg/kg | 1   | MCERTS | 78    | 46    | 57    | 45    | 67    |

Petroleum Hydrocarbons

|                                                          |       |      |        |   |   |   |   |   |
|----------------------------------------------------------|-------|------|--------|---|---|---|---|---|
| TPHCWG - Aliphatic >EC5 - EC6 <sub>HS_1D_AL</sub>        | mg/kg | 0.01 | MCERTS | - | - | - | - | - |
| TPHCWG - Aliphatic >EC6 - EC8 <sub>HS_1D_AL</sub>        | mg/kg | 0.01 | MCERTS | - | - | - | - | - |
| TPHCWG - Aliphatic >EC8 - EC10 <sub>HS_1D_AL</sub>       | mg/kg | 0.01 | MCERTS | - | - | - | - | - |
| TPHCWG - Aliphatic >EC10 - EC12 <sub>EH_CU_1D_AL</sub>   | mg/kg | 1    | MCERTS | - | - | - | - | - |
| TPHCWG - Aliphatic >EC12 - EC16 <sub>EH_CU_1D_AL</sub>   | mg/kg | 2    | MCERTS | - | - | - | - | - |
| TPHCWG - Aliphatic >EC16 - EC21 <sub>EH_CU_1D_AL</sub>   | mg/kg | 8    | MCERTS | - | - | - | - | - |
| TPHCWG - Aliphatic >EC21 - EC35 <sub>EH_CU_1D_AL</sub>   | mg/kg | 8    | MCERTS | - | - | - | - | - |
| TPHCWG - Aliphatic >EC5 - EC35 <sub>EH_CU+HS_1D_AL</sub> | mg/kg | 10   | NONE   | - | - | - | - | - |

|                                                         |       |      |        |   |   |   |   |   |
|---------------------------------------------------------|-------|------|--------|---|---|---|---|---|
| TPHCWG - Aromatic >EC5 - EC7 <sub>HS_1D_AR</sub>        | mg/kg | 0.01 | MCERTS | - | - | - | - | - |
| TPHCWG - Aromatic >EC7 - EC8 <sub>HS_1D_AR</sub>        | mg/kg | 0.01 | MCERTS | - | - | - | - | - |
| TPHCWG - Aromatic >EC8 - EC10 <sub>HS_1D_AR</sub>       | mg/kg | 0.02 | MCERTS | - | - | - | - | - |
| TPHCWG - Aromatic >EC10 - EC12 <sub>EH_CU_1D_AR</sub>   | mg/kg | 1    | MCERTS | - | - | - | - | - |
| TPHCWG - Aromatic >EC12 - EC16 <sub>EH_CU_1D_AR</sub>   | mg/kg | 2    | MCERTS | - | - | - | - | - |
| TPHCWG - Aromatic >EC16 - EC21 <sub>EH_CU_1D_AR</sub>   | mg/kg | 10   | MCERTS | - | - | - | - | - |
| TPHCWG - Aromatic >EC21 - EC35 <sub>EH_CU_1D_AR</sub>   | mg/kg | 10   | MCERTS | - | - | - | - | - |
| TPHCWG - Aromatic >EC5 - EC35 <sub>EH_CU+HS_1D_AR</sub> | mg/kg | 10   | NONE   | - | - | - | - | - |

PCBs by GC-MS

|                  |       |       |        |   |   |   |   |   |
|------------------|-------|-------|--------|---|---|---|---|---|
| PCB Congener 28  | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 52  | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 101 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 118 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 138 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 153 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 180 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |

|            |       |       |        |   |   |   |   |   |
|------------|-------|-------|--------|---|---|---|---|---|
| Total PCBs | mg/kg | 0.007 | MCERTS | - | - | - | - | - |
|------------|-------|-------|--------|---|---|---|---|---|

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



**Analytical Report Number : 24-032137**  
**Project / Site name: Wealden House, East Grinstead**

\* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

| Lab Sample Number | Sample Reference | Sample Number | Depth (m) | Sample Description *                           |
|-------------------|------------------|---------------|-----------|------------------------------------------------|
| 264961            | WLS101           | ES            | 0.55      | Brown clay                                     |
| 264962            | WLS102           | ES            | 0.55      | Brown loam and sand with gravel                |
| 264964            | WLS103           | ES            | 0.5       | Brown loam and sand with gravel and vegetation |
| 264965            | WLS105           | ES            | 0.5       | Brown clay with gravel and vegetation          |
| 264967            | WLS108           | ES            | 0.45      | Brown clay with gravel and vegetation          |
| 264968            | WLS108           | ES            | 0.6       | Brown clay and loam with gravel                |
| 264969            | WLS109           | ES            | 0.5       | Brown clay and loam with gravel                |
| 264970            | WLS110           | ES            | 0.2       | Brown clay with gravel and vegetation          |
| 264971            | WLS110           | ES            | 0.4       | Brown clay and sand                            |
| 264972            | WLS111           | ES            | 0.1       | Brown loam and sand with gravel and vegetation |
| 264973            | WLS111           | ES            | 0.4       | Brown clay                                     |
| 264974            | WLS112           | ES            | 0.1       | Brown clay and loam with gravel and vegetation |



**Analytical Report Number : 24-032137**  
**Project / Site name: Wealden House, East Grinstead**

**Water matrix abbreviations:**  
**Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)**

| Analytical Test Name                                                        | Analytical Method Description                                                                                                                                         | Analytical Method Reference                                                                            | Method number | Wet / Dry Analysis | Accreditation Status |
|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------|--------------------|----------------------|
| Asbestos identification in Soil                                             | Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques                                                 | In-house method based on HSG 248, 2021                                                                 | A001B         | D                  | ISO 17025            |
| Organic matter (Automated) in soil                                          | Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)                   | In-house method                                                                                        | L009B         | D                  | MCERTS               |
| Sulphide in soil                                                            | Determination of sulphide in soil by acidification and heating to liberate hydrogen sulphide, trapped in an alkaline solution then assayed by ion selective electrode | In-house method                                                                                        | L010          | D                  | MCERTS               |
| Moisture Content                                                            | Moisture content, determined gravimetrically (up to 30°C)                                                                                                             | In-house method                                                                                        | L019B         | W                  | NONE                 |
| Stones content of soil                                                      | Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight                                            | In-house method based on British Standard Methods and MCERTS requirements.                             | L019B         | D                  | NONE                 |
| PCB's By GC-MS in soil                                                      | Determination of PCB by extraction with hexane followed by GC-MS                                                                                                      | In-house method based on USEPA 8082                                                                    | L027B         | D                  | MCERTS               |
| Metals in soil by ICP-OES                                                   | Determination of metals in soil by aqua-regia digestion followed by ICP-OES                                                                                           | In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil                    | L038B         | D                  | MCERTS               |
| Sulphate, water soluble, in soil (16hr extraction)                          | Sulphate, water soluble, in soil (16hr extraction)                                                                                                                    | In-house method                                                                                        | L038B         | D                  | MCERTS               |
| Speciated PAHs and/or Semi-volatile organic compounds in soil               | Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS                                | In-house method based on USEPA 8270                                                                    | L064B         | D                  | MCERTS               |
| Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil | Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic                                                   | In-house method                                                                                        | L076B/L088    | D/W                | MCERTS               |
| Hexavalent chromium in soil                                                 | Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry                                      | In-house method                                                                                        | L080          | W                  | MCERTS               |
| Monohydric phenols in soil                                                  | Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry                                                 | In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton | L080          | W                  | MCERTS               |
| Total cyanide in soil                                                       | Determination of total cyanide by distillation followed by colorimetry                                                                                                | In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton | L080          | W                  | MCERTS               |



Analytical Report Number : 24-032137  
Project / Site name: Wealden House, East Grinstead

Water matrix abbreviations:  
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

| Analytical Test Name   | Analytical Method Description                                                                    | Analytical Method Reference | Method number | Wet / Dry Analysis | Accreditation Status |
|------------------------|--------------------------------------------------------------------------------------------------|-----------------------------|---------------|--------------------|----------------------|
| pH in soil (automated) | Determination of pH in soil by addition of water followed by automated electrometric measurement | In-house method             | L099          | D                  | MCERTS               |

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).  
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).  
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.  
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.  
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Information in Support of Analytical Results

List of HWOL Acronyms and Operators

| Acronym | Descriptions                                                           |
|---------|------------------------------------------------------------------------|
| HS      | Headspace Analysis                                                     |
| MS      | Mass spectrometry                                                      |
| FID     | Flame Ionisation Detector                                              |
| GC      | Gas Chromatography                                                     |
| EH      | Extractable Hydrocarbons (i.e. everything extracted by the solvent(s)) |
| CU      | Clean-up - e.g. by Florisil®, silica gel                               |
| 1D      | GC - Single coil/column gas chromatography                             |
| 2D      | GC-GC - Double coil/column gas chromatography                          |
| Total   | Aliphatics & Aromatics                                                 |
| AL      | Aliphatics                                                             |
| AR      | Aromatics                                                              |
| #1      | EH_2D_Total but with humics mathematically subtracted                  |
| #2      | EH_2D_Total but with fatty acids mathematically subtracted             |
| _       | Operator - underscore to separate acronyms (exception for +)           |
| +       | Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total     |

Quality control parameter failure associated with individual result applies to calculated sum of individuals.  
The result for sum should be interpreted with caution



# APPENDIX F

## Photographs







Plate 1: Looking south from the site entrance, off Lewes Road.



Plate 2: Car parking area on the northwest of the site.



Plate 3: Location of WLS101 on the northwest of the site.



Plate 4: Soils from WLS101.



Plate 5: Location of WLS102 on the north of the site.



Plate 6: Soils from WLS102.





Plate 7: Location of WLS103 to the north of the front of Wealden House.



Plate 8: Soils from WLS103.



Plate 9: Location of WLS104 to the north of Wealden House.



Plate 10: Soils from WLS104.

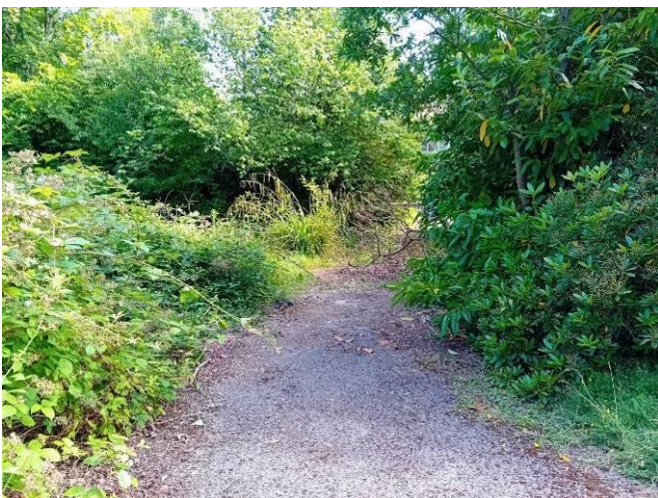


Plate 11: Access to the substation on the north of the site – location of WLS105.



Plate 12: Soils from WLS105.





Plate 13: Access on the east of the site, leading to the rear of the EDF building.



Plate 14: Location of WLS106 to the west of the EDF Energy building.



Plate 15: Soils from WLS106.



Plate 16: As plate 15.



Plate 17: As plate 16.



Plate 18: Carpark to the east/southeast of the EDF Energy building.





Plate 19: Area on the west of the site, where aborted boreholes WLS107a and WLS107b were located.



Plate 20: EDF Energy building.



Plate 21: Soils from WLS107, located within the parking area to the southeast of the EDF Energy building.



Plate 22: Generator building, telecommunications mast and other infrastructure to the rear of the EDF Energy building.



Plate 23: Rear of the of the EDF Energy building – location of WLS108.



Plate 24: Soils from WLS108.





Plate 25: Air conditioning plant to the southwest of the EDF Energy building – location of WLS109.



Plate 26: Soils from WLS109.



Plate 27: Area to the rear of the EDF Energy building – location of WLS110.



Plate 28: Soils from WLS110.



Plate 29: Garden to the rear of Wealden House – location of WLS111.



Plate 30: Soils from WLS111.





Plate 31: Location of WLS112 on the southwest of the site.



Plate 32: Soils from WLS112.

## APPENDIX G

### Phase 1 Desk Study – Historical Mapping



# G

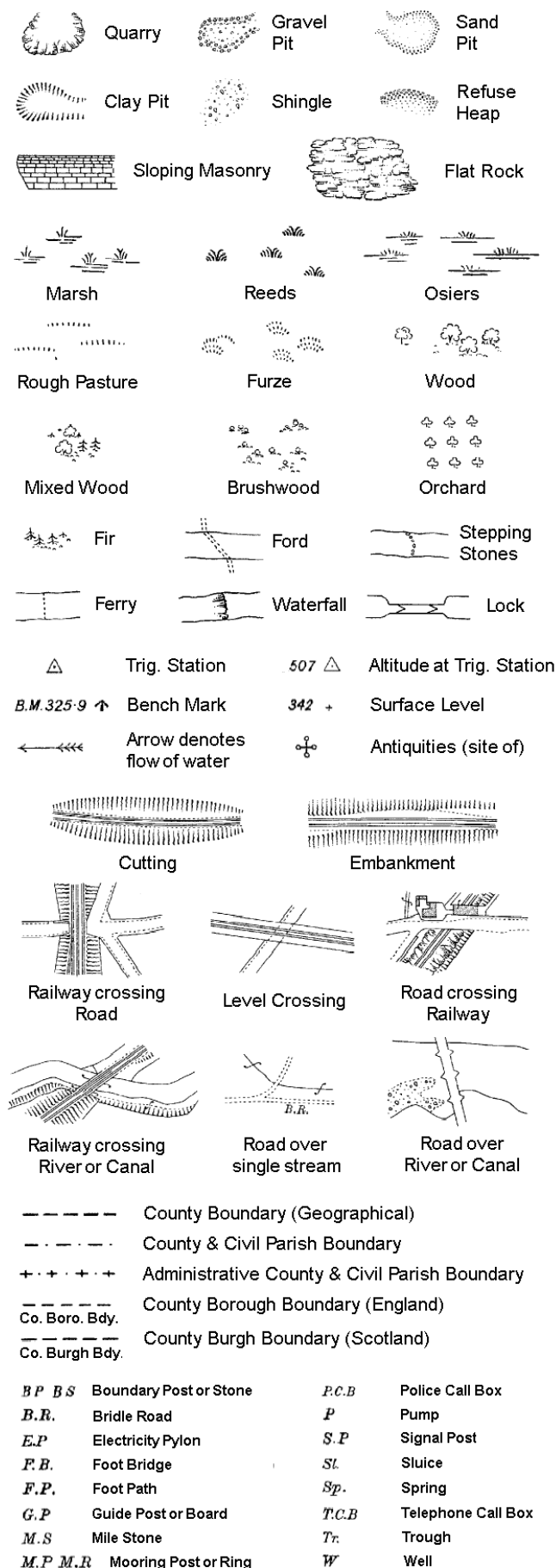


| Historical Ordnance Survey Map Interpretation |                  |                                                                                                                                                                                                                                                    |                                                                                                                                                                            |                                             |
|-----------------------------------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| Date                                          | Scale            | Features On Site                                                                                                                                                                                                                                   | Features Off Site                                                                                                                                                          | Significant Potential Contamination Sources |
| 1874                                          | 1:2,500          | The west side of the site is occupied by a single, large detached house and its associated garden, with access from Lewes Road. The east side of the site comprises undeveloped land.                                                              | The surrounding area has a similar land use, with several large houses set in grounds.                                                                                     | None identified                             |
| 1899                                          | 1:2,500          | The site appears unchanged, with the exception of a well shown to the northeast corner of the house.                                                                                                                                               | The surrounding area is also significantly unchanged.                                                                                                                      | None identified                             |
| 1910                                          | 1:2,500          | The house on the west of the site appears to have been redeveloped, and is now named Cuttens. The well is no longer shown. The east of the site remain undeveloped.                                                                                | The surrounding area appears significantly unchanged.                                                                                                                      | None identified                             |
| 1931                                          | 1:2,500          | The site appears unchanged.                                                                                                                                                                                                                        | The surrounding area also appears significantly unchanged.                                                                                                                 | None identified                             |
| 1964<br>–<br>1965                             | 1:2,500          | The house has been significantly extended on its eastern side, otherwise it remains unchanged.                                                                                                                                                     | Residential development (detached houses with gardens) is evident, especially along Lewes Road.                                                                            | None identified                             |
| 1973                                          | 1:2,500          | The existing EDF energy offices building is present adjoining the house, which is still labelled as Cuttens. An electricity substation is shown on the northeast of the site.                                                                      | The surrounding area also appears significantly unchanged.                                                                                                                 | • Electricity substation                    |
| 1979                                          | 1:2,500          | The building on site is now labelled as Wealden House, with the layout unchanged.                                                                                                                                                                  | The surrounding area appears significantly unchanged.                                                                                                                      | • Electricity substation                    |
| 1993                                          | 1:2,500          | The site appears unchanged.                                                                                                                                                                                                                        | With the exception of some further residential development, the surrounding area is also significantly unchanged.                                                          | • Electricity substation                    |
| 1999                                          | Ariel Photograph | The layout of the buildings appears as they were on the 1993 map extract, with a large office building occupying the east side, with the house to the west. Vehicles are parked on the south of the site. The north of the site is heavily wooded. | The surrounding area appears as it was previously, with residential development along Lewes Road to the north of the site, and largely open land to the south of the site. | None identified                             |

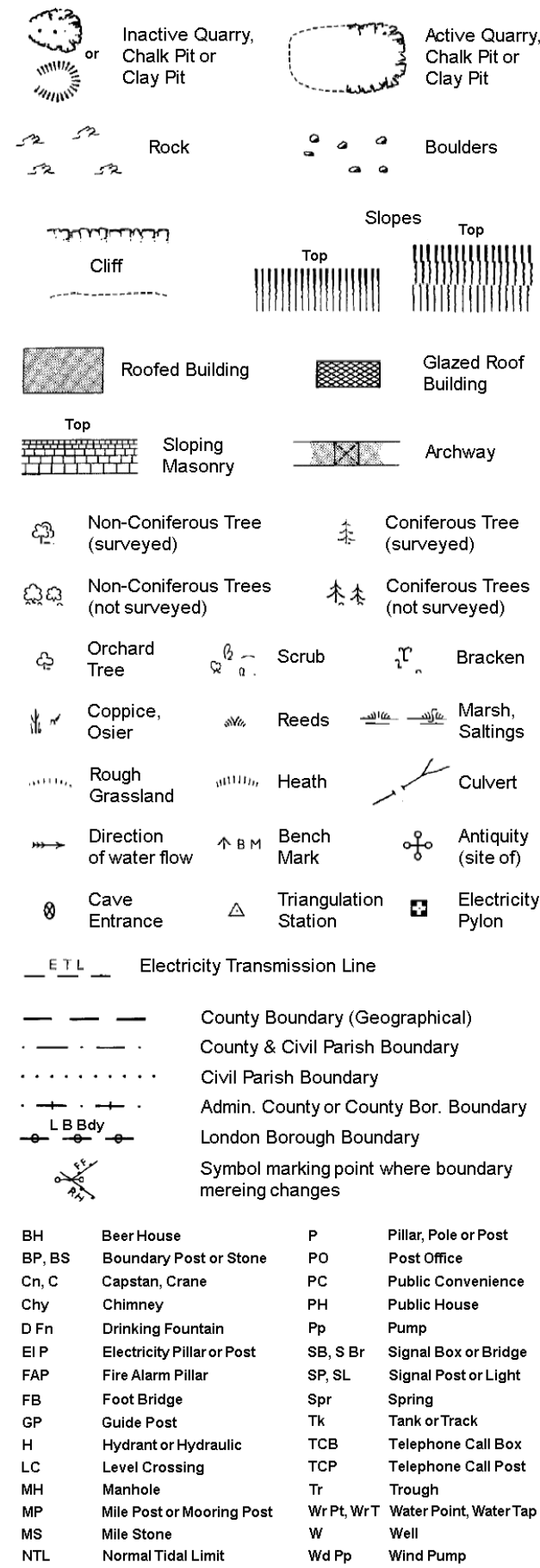
**NOTE: Additional maps at 1:10,560 and 1:10000 scale of similar age have been obtained. These maps are appended but do not provide much additional information.**

# Historical Mapping Legends

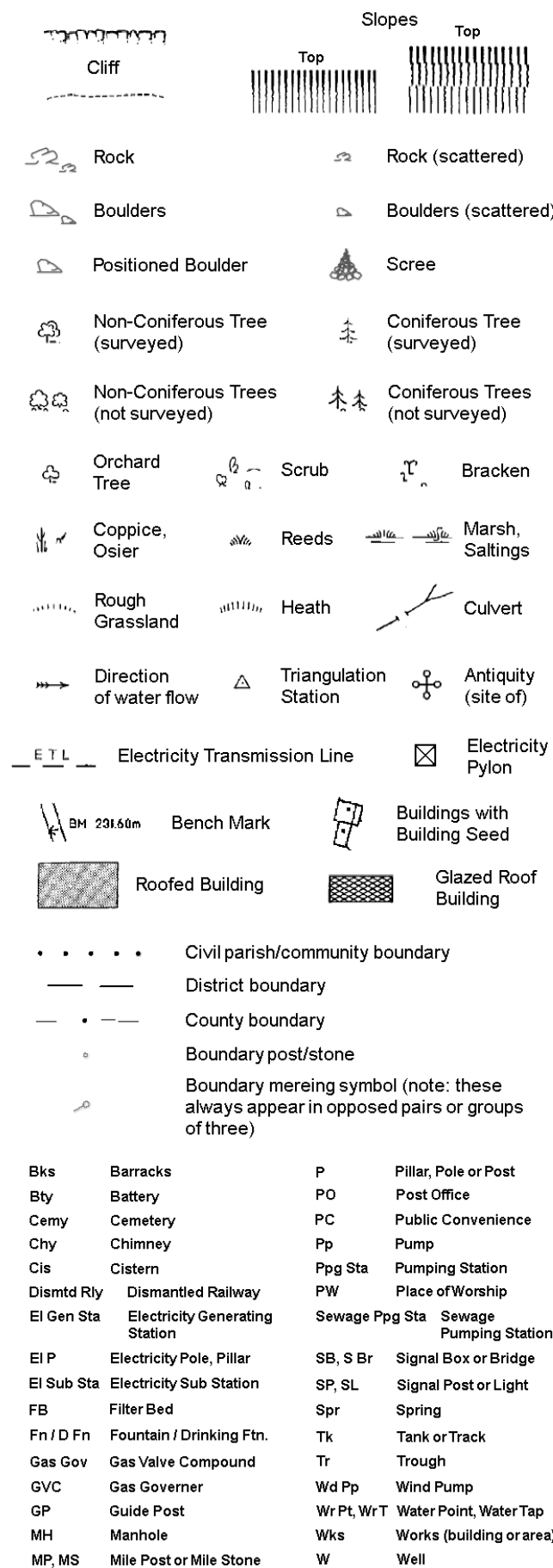
## Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



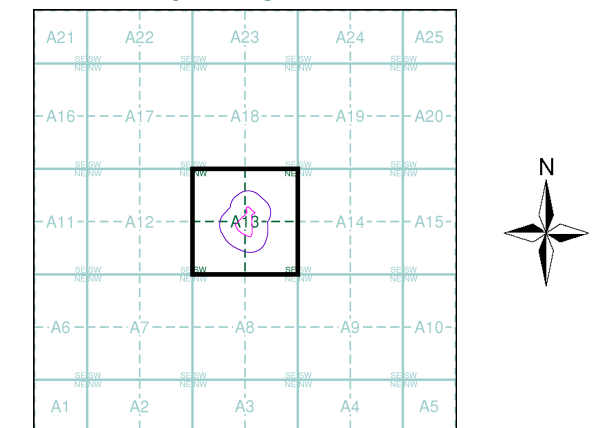
## Large-Scale National Grid Data 1:2,500 and 1:1,250



## Historical Mapping & Photography included:

| Mapping Type                             | Scale   | Date        | Pg |
|------------------------------------------|---------|-------------|----|
| Sussex                                   | 1:2,500 | 1874        | 2  |
| Sussex                                   | 1:2,500 | 1899        | 3  |
| Sussex                                   | 1:2,500 | 1910        | 4  |
| Sussex                                   | 1:2,500 | 1931        | 5  |
| Ordnance Survey Plan                     | 1:2,500 | 1964 - 1965 | 6  |
| Supply of Unpublished Survey Information | 1:2,500 | 1973        | 7  |
| Ordnance Survey Plan                     | 1:2,500 | 1979        | 8  |
| Large-Scale National Grid Data           | 1:2,500 | 1993        | 9  |
| Large-Scale National Grid Data           | 1:1,250 | 1993        | 10 |
| Large-Scale National Grid Data           | 1:2,500 | 1994        | 11 |
| Historical Aerial Photography            | 1:2,500 | 1999        | 12 |

## Historical Map - Segment A13



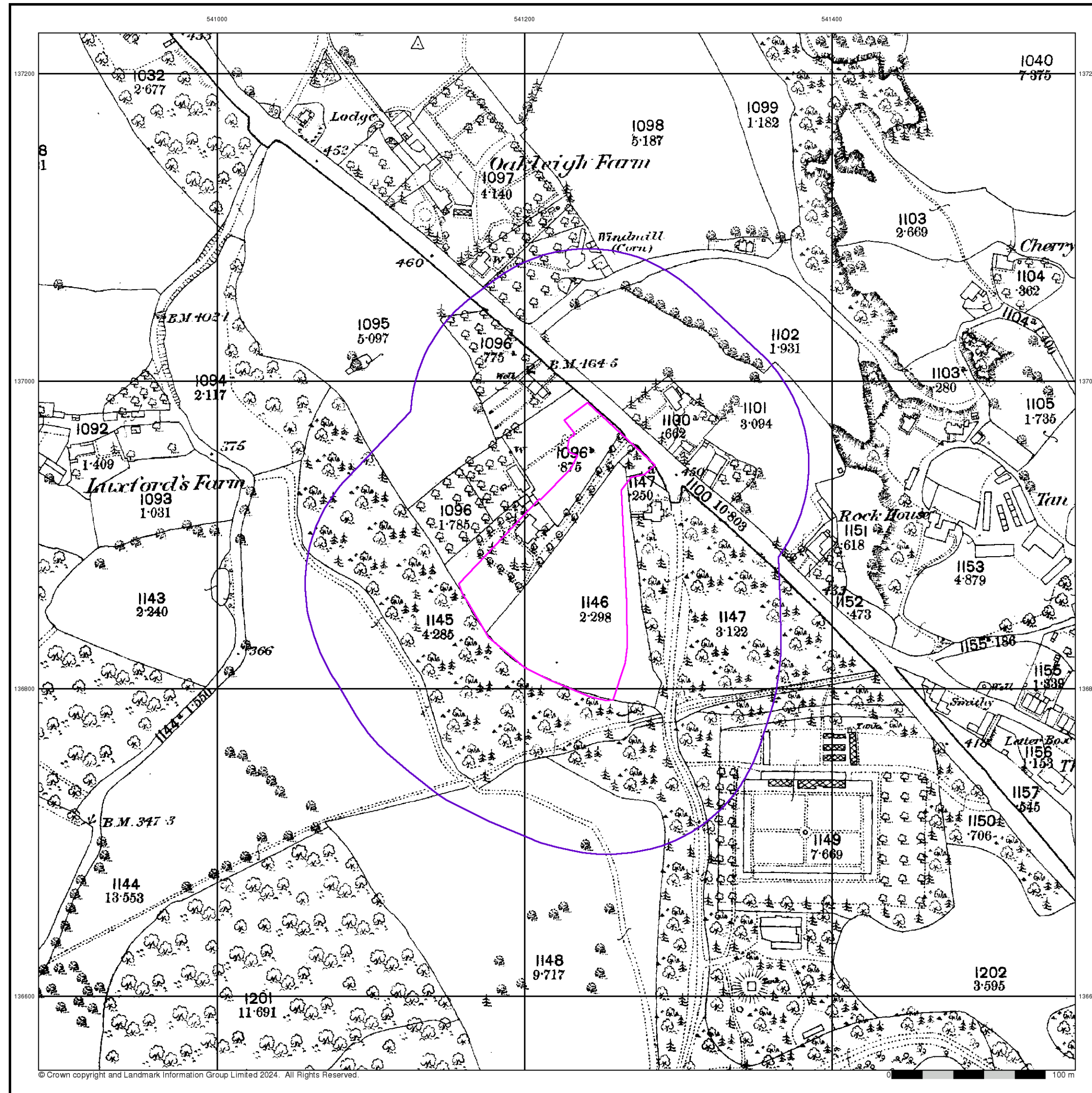
## Order Details

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 100

## Site Details

Wealden House/Former EDF Energy Offices, Lewes Road,  
EAST GRINSTEAD, RH19 3TB





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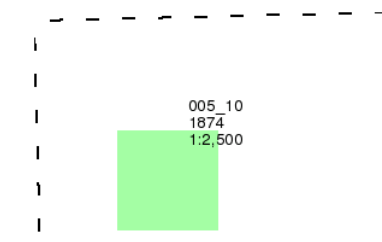
## Sussex

Published 1874

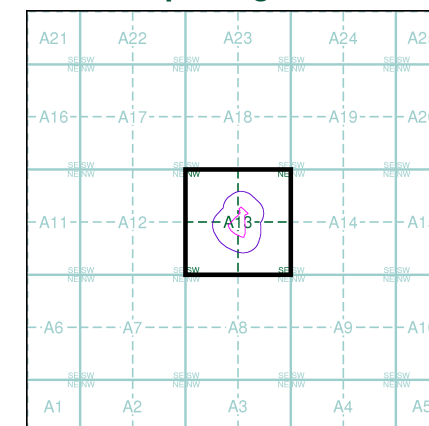
Source map scale - 1:2,500

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

## Map Name(s) and Date(s)



## Historical Map - Segment A13



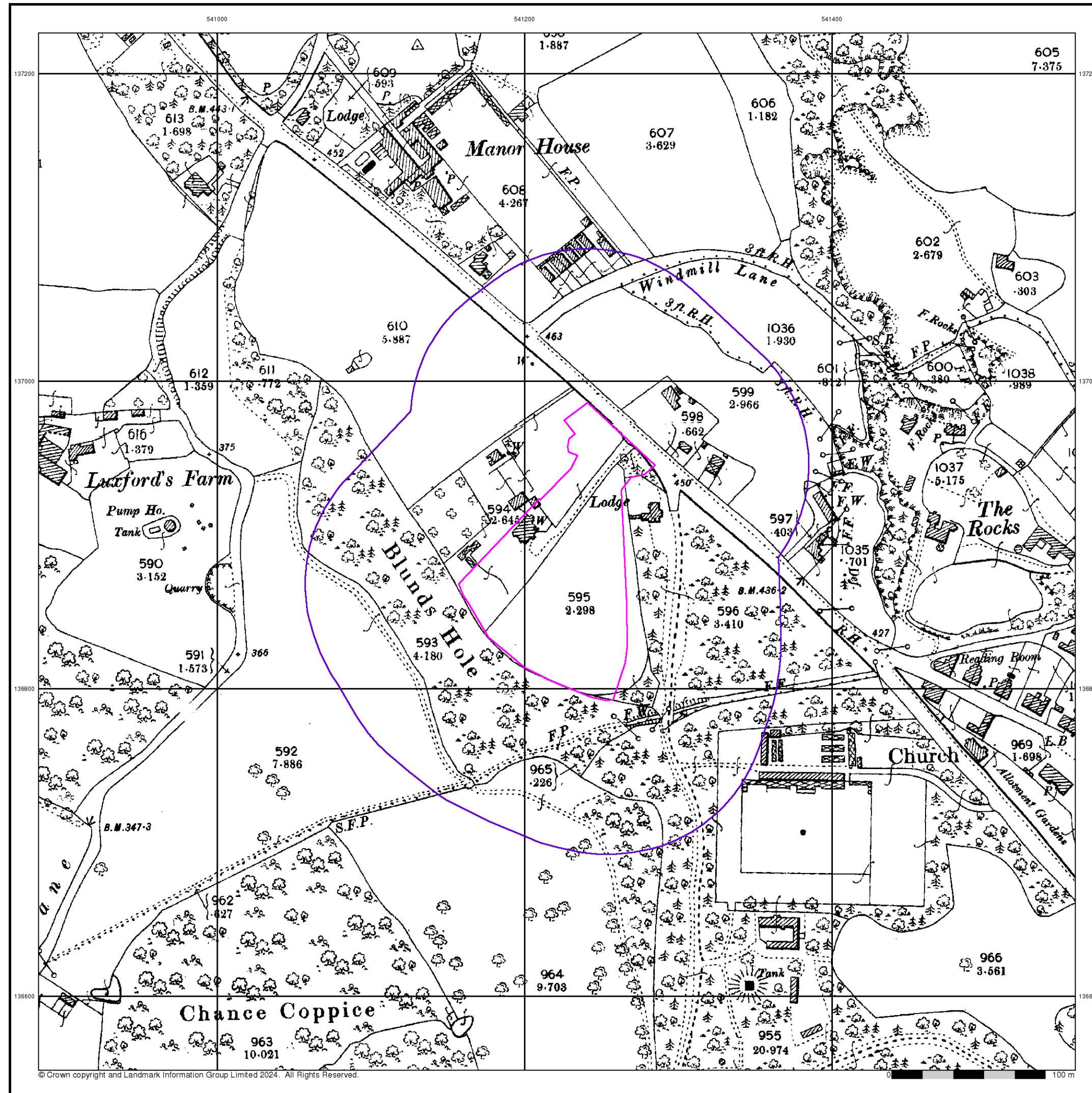
## Order Details

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 100

## Site Details

Wealden House/Former EDF Energy Offices, Lewes Road,  
EAST GRINSTEAD, RH19 3TB





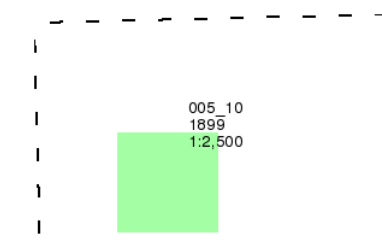
## Sussex

Published 1899

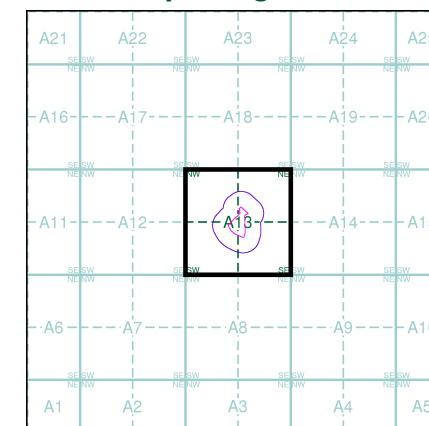
Source map scale - 1:2,500

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

## Map Name(s) and Date(s)



## Historical Map - Segment A13



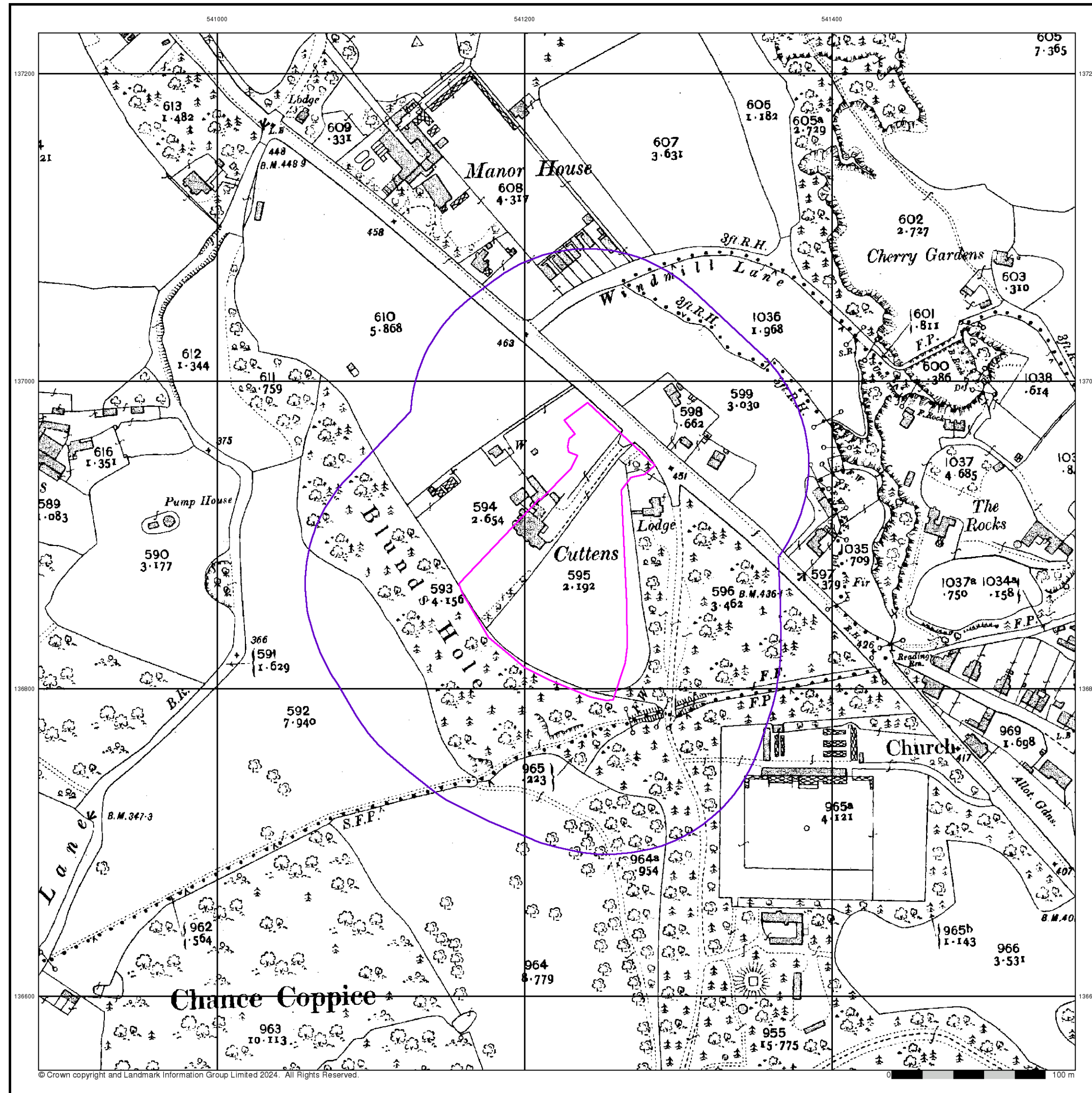
## Order Details

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 100

## Site Details

Wealden House/Former EDF Energy Offices, Lewes Road,  
EAST GRINSTEAD, RH19 3TB





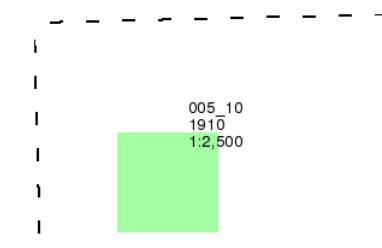
**Sussex**

**Published 1910**

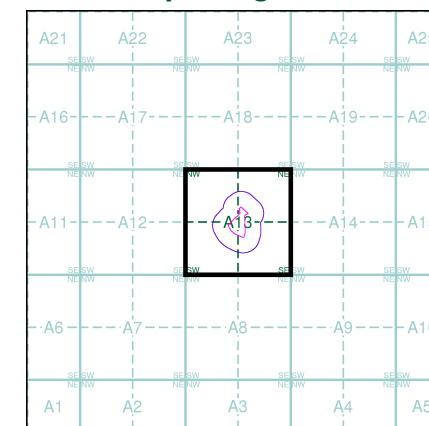
**Source map scale - 1:2,500**

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

**Map Name(s) and Date(s)**



**Historical Map - Segment A13**

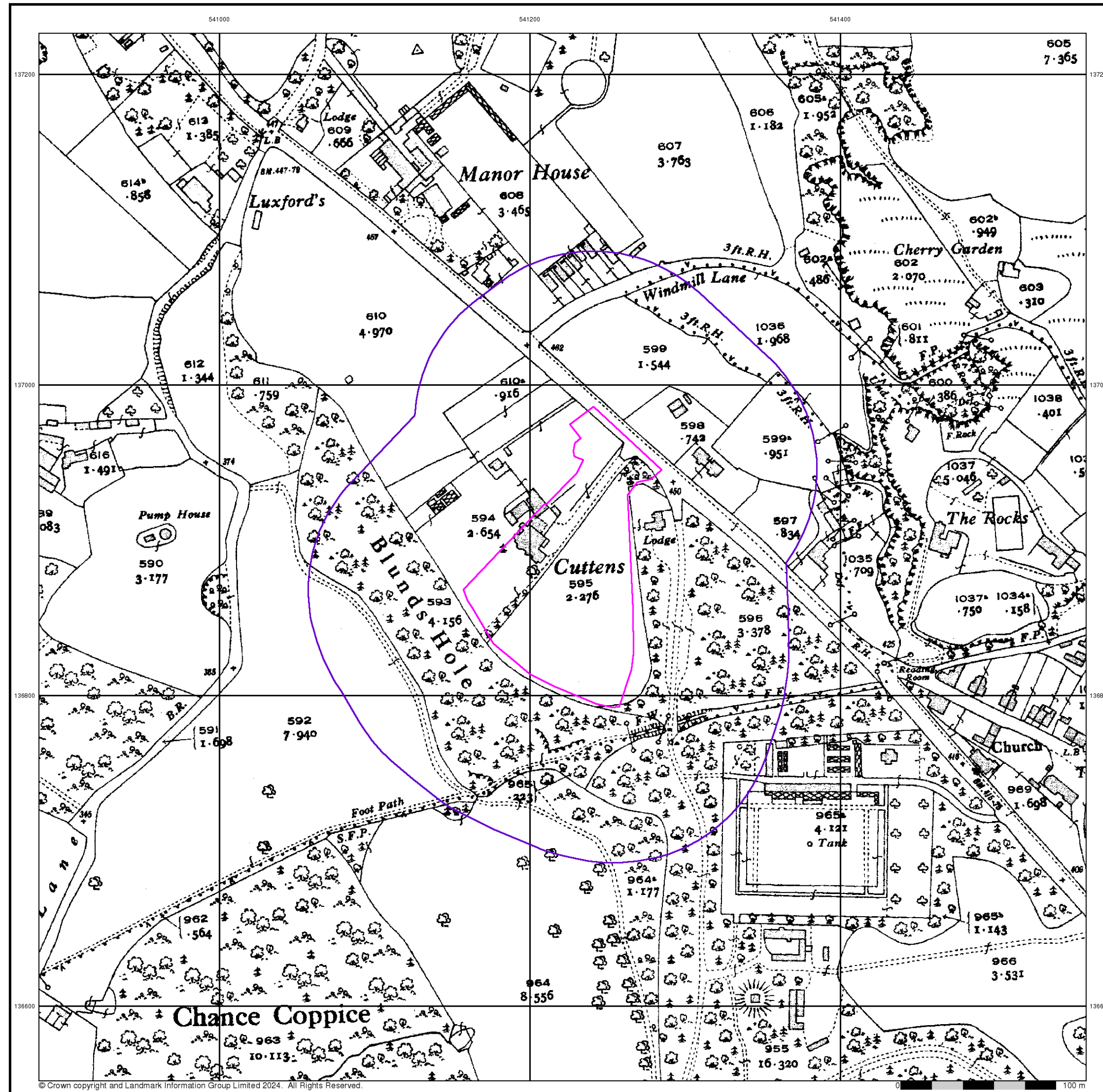


**Order Details**

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 100

**Site Details**

Wealden House/Former EDF Energy Offices, Lewes Road,  
EAST GRINSTEAD, RH19 3TB



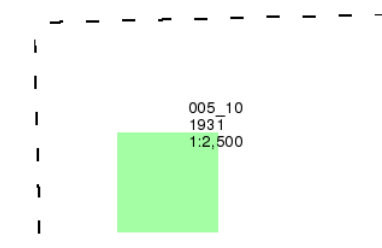
**Sussex**

**Published 1931**

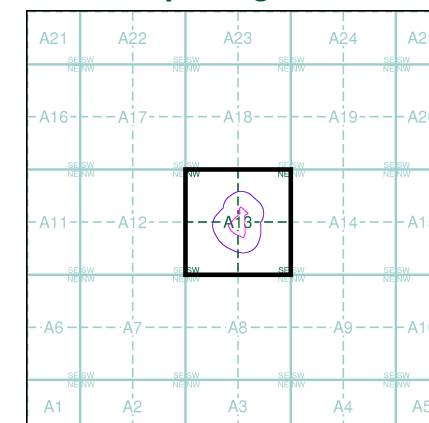
**Source map scale - 1:2,500**

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

### Map Name(s) and Date(s)



### Historical Map - Segment A13



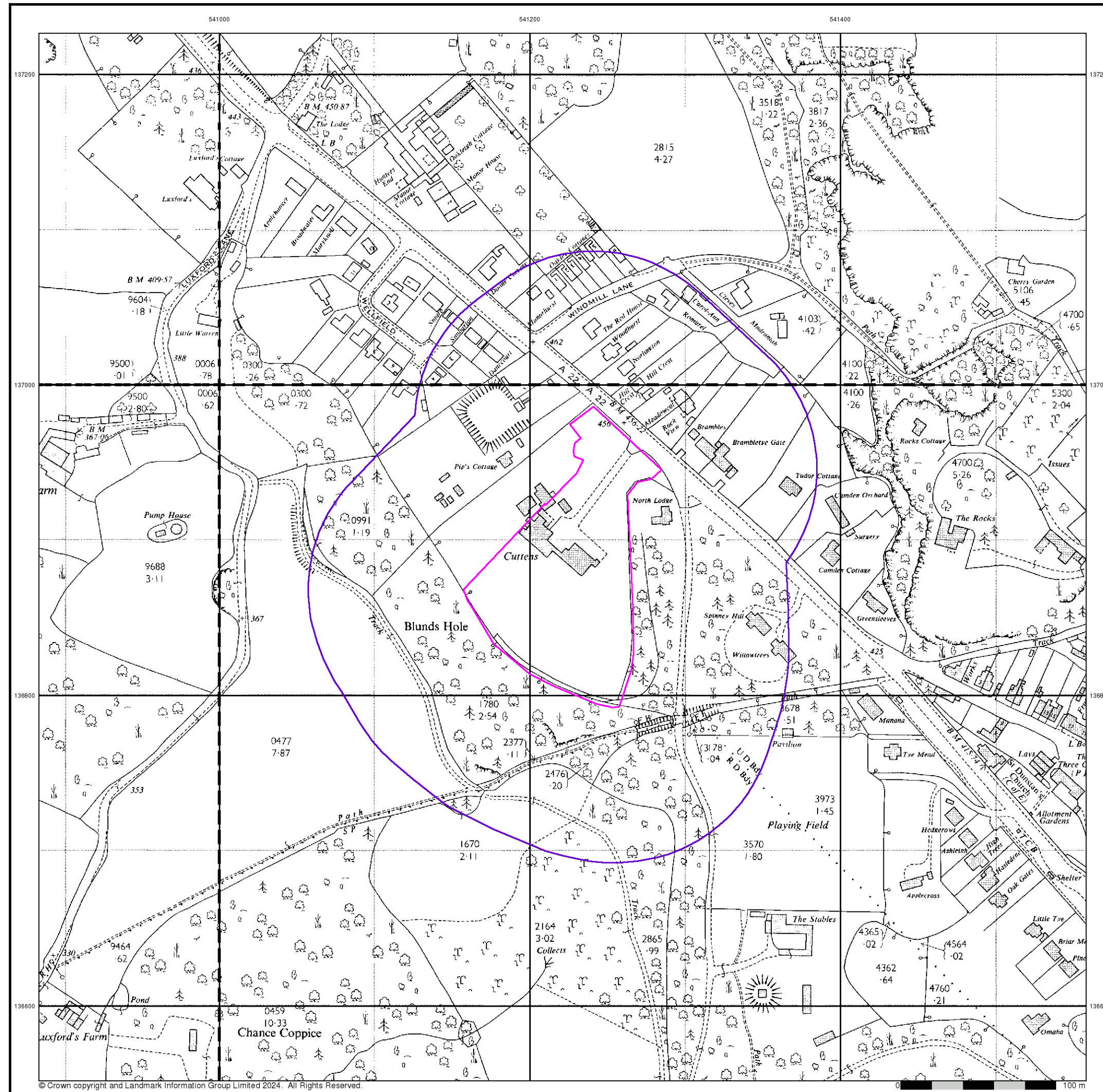
### Order Details

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 100

### Site Details

Wealden House/Former EDF Energy Offices, Lewes Road,  
EAST GRINSTEAD, RH19 3TB





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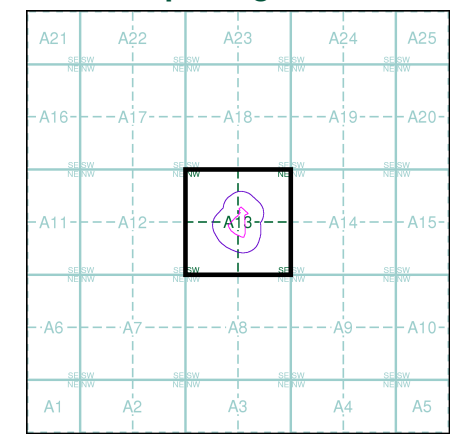
**Ordnance Survey Plan**  
**Published 1964 - 1965**  
**Source map scale - 1:2,500**

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

**Map Name(s) and Date(s)**

|                          |                          |
|--------------------------|--------------------------|
| TQ4037<br>1964<br>12,500 | TQ4137<br>1964<br>12,500 |
| TQ4036<br>1965<br>12,500 | TQ4136<br>1965<br>12,500 |

**Historical Map - Segment A13**

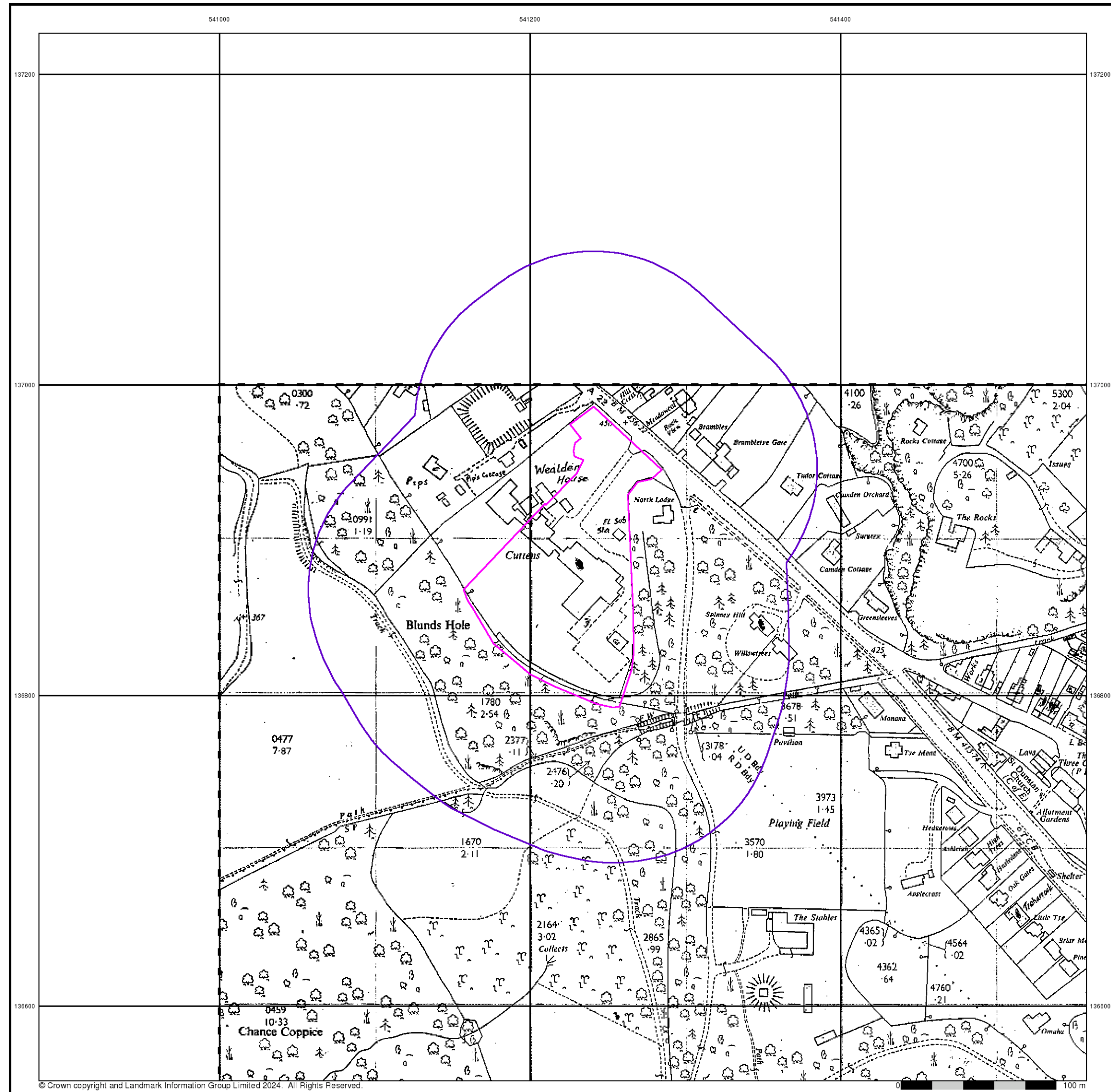


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**Site Details**

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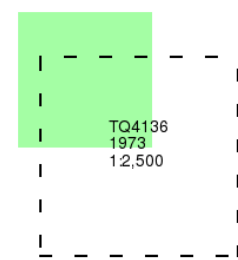
## Supply of Unpublished Survey Information

**Published 1973**

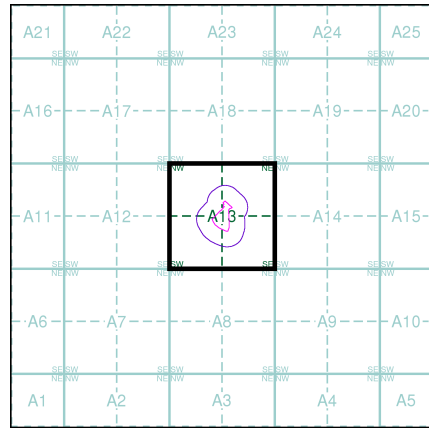
**Source map scale - 1:2,500**

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a 'work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

### Map Name(s) and Date(s)



### Historical Map - Segment A13



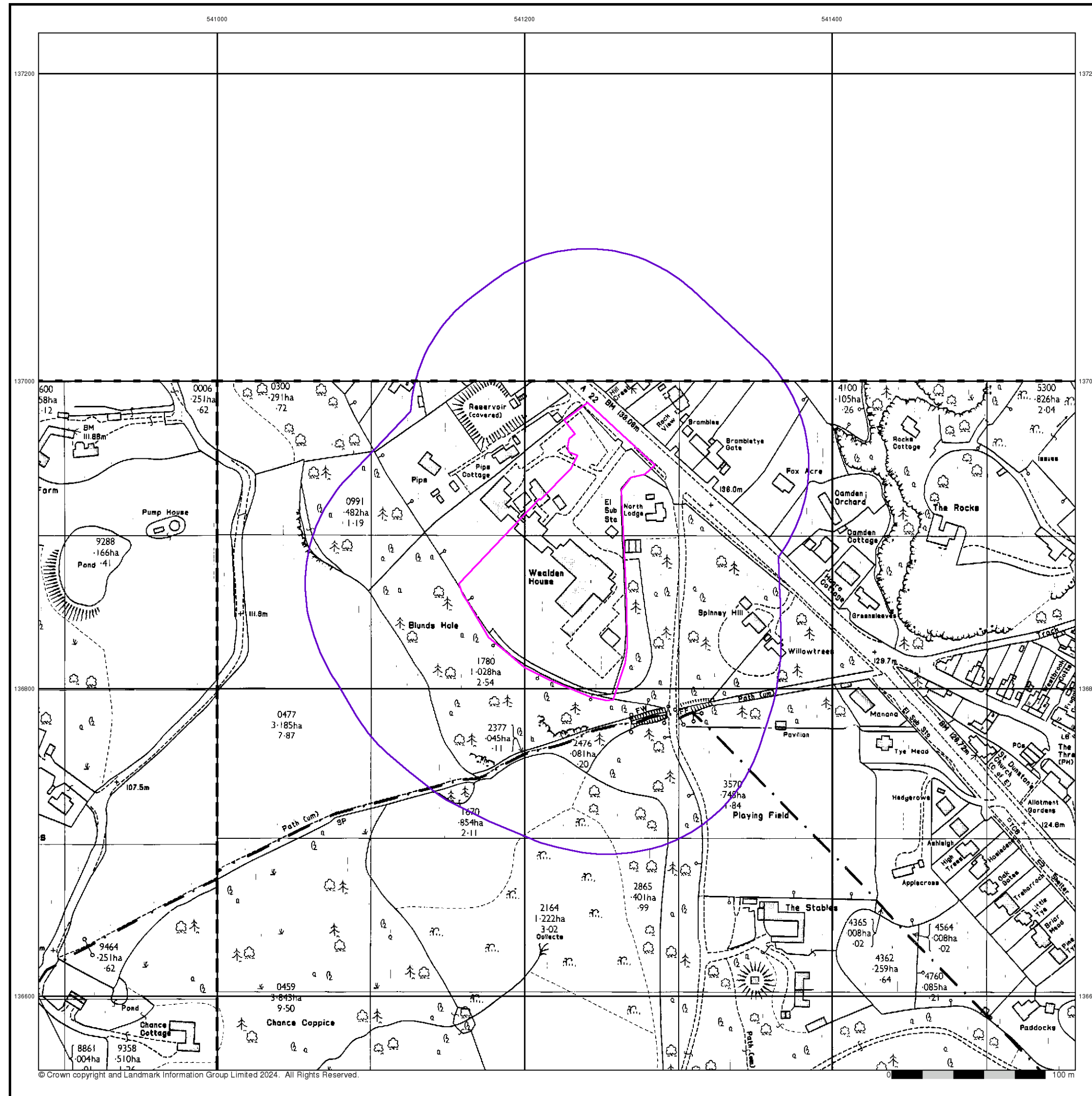
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### Site Details

Wealden House/Former EDF Energy Offices, Lewes Road, EAST GRINSTEAD, RH19 3TB





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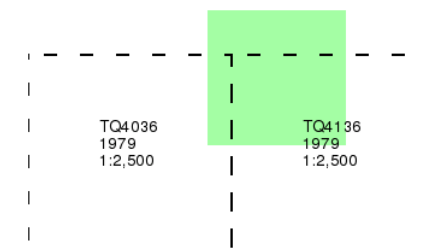
Ordnance Survey Plan

Published 1979

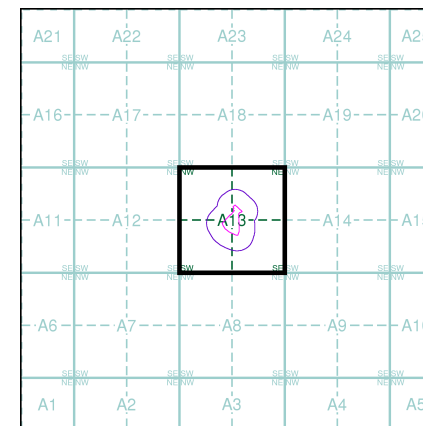
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

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National Grid Reference:541230, 136890

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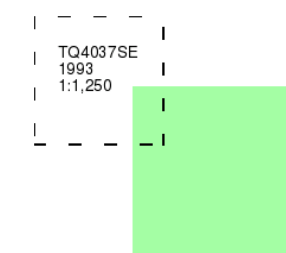
## Large-Scale National Grid Data

Published 1993

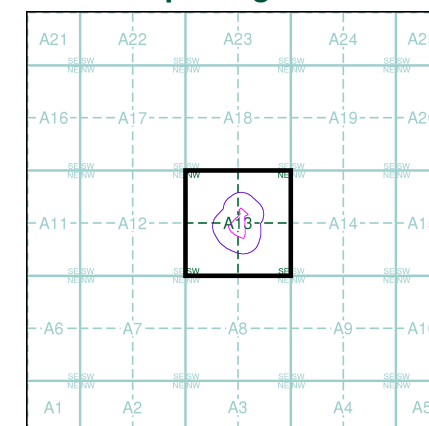
Source map scale - 1:1,250

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

### Map Name(s) and Date(s)



### Historical Map - Segment A13

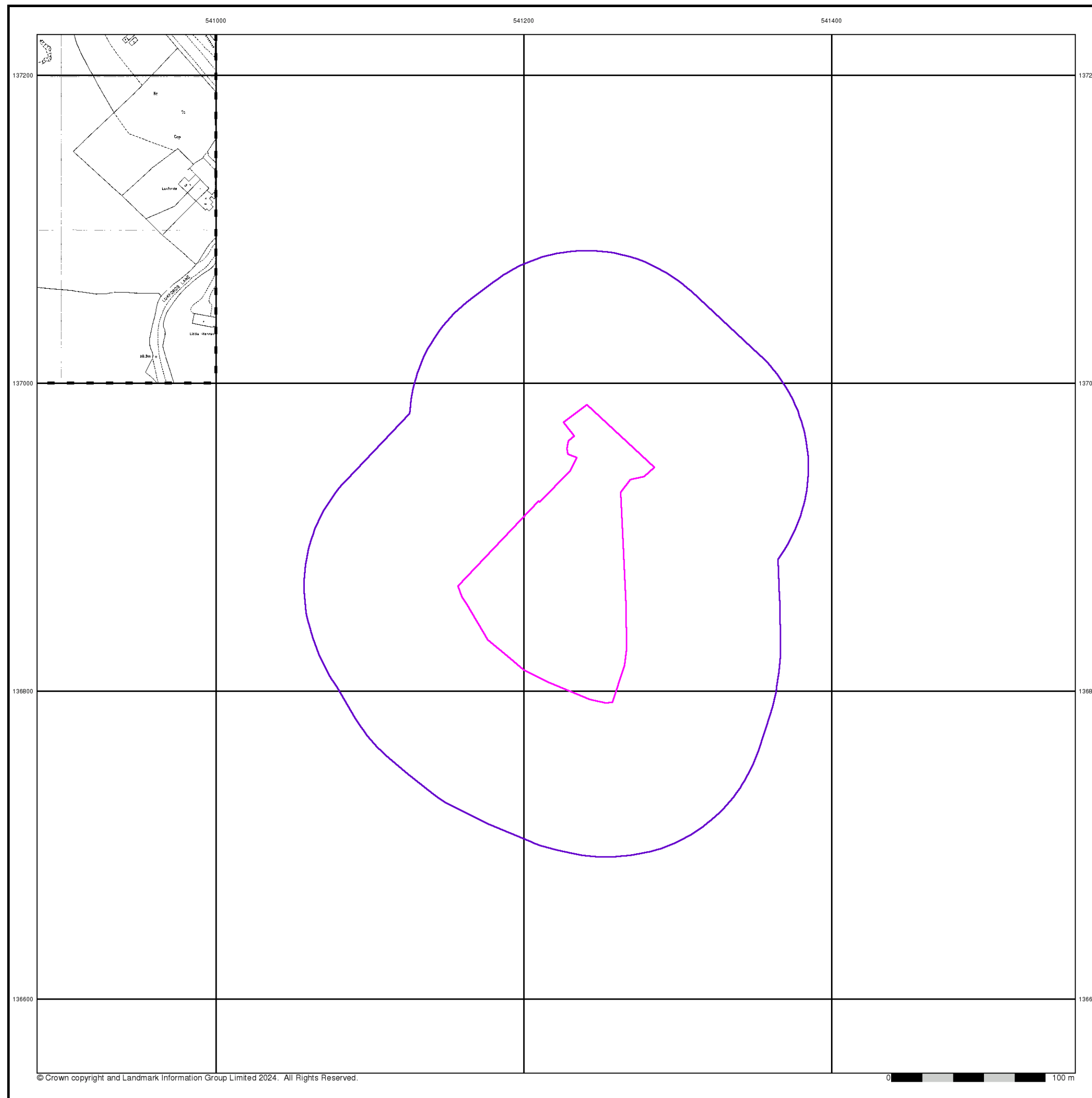


### Order Details

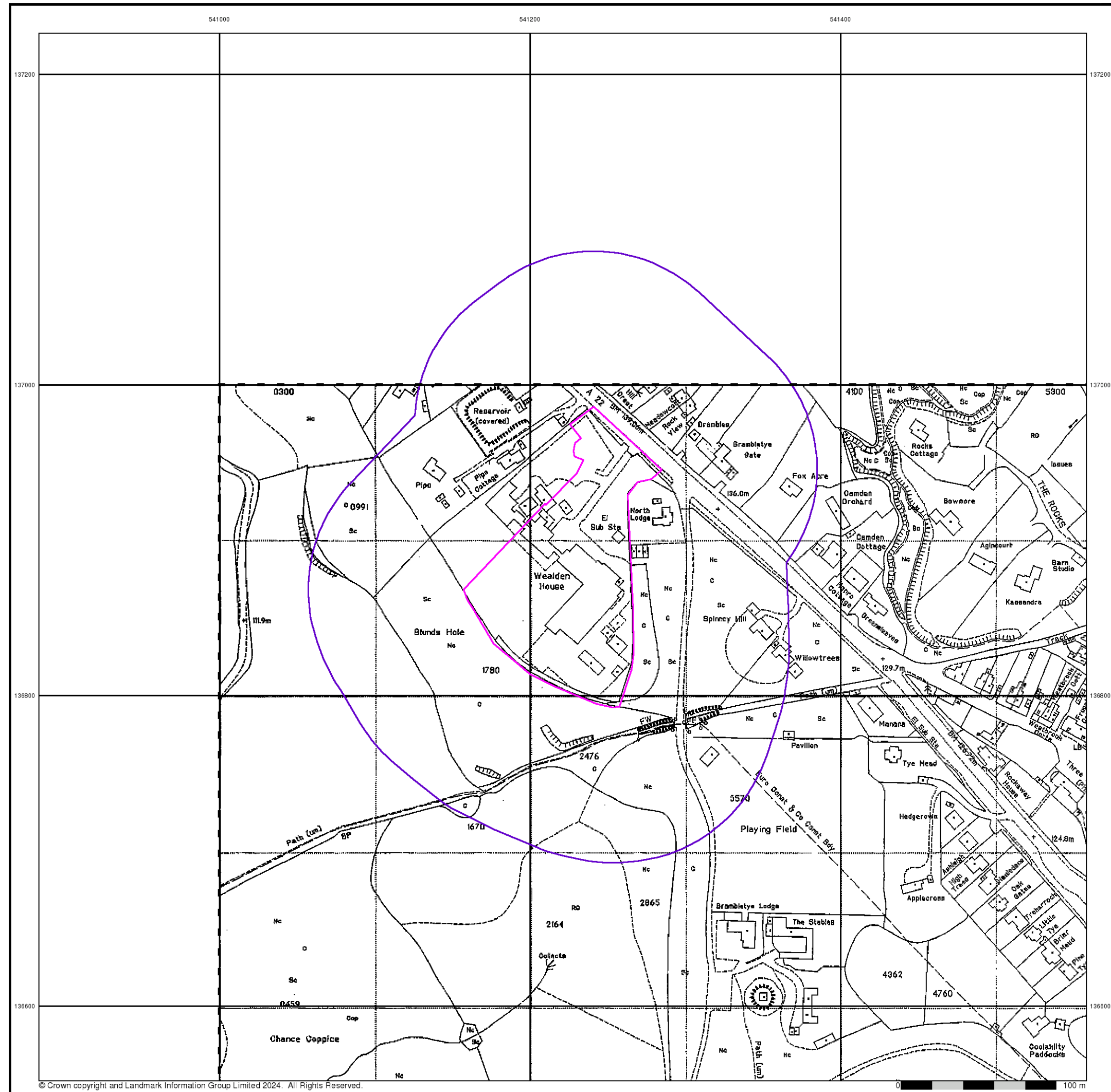
Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
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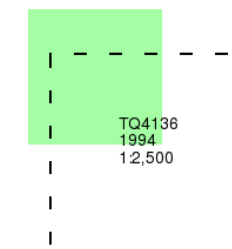
## Large-Scale National Grid Data

Published 1994

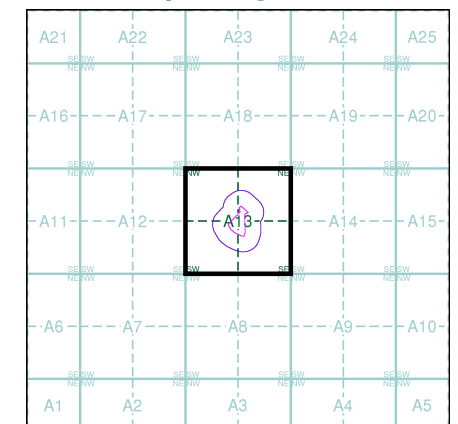
Source map scale - 1:2,500

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

## Map Name(s) and Date(s)



## Historical Map - Segment A13



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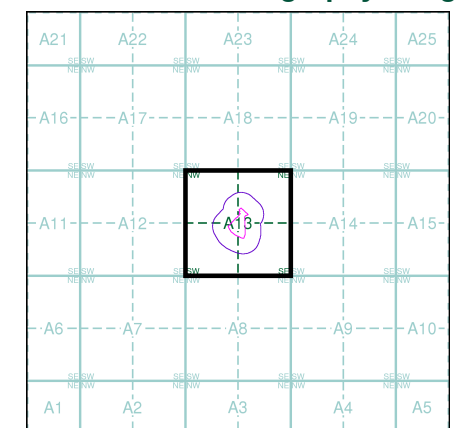


## Historical Aerial Photography

### Published 1999

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

### Historical Aerial Photography - Segment A13

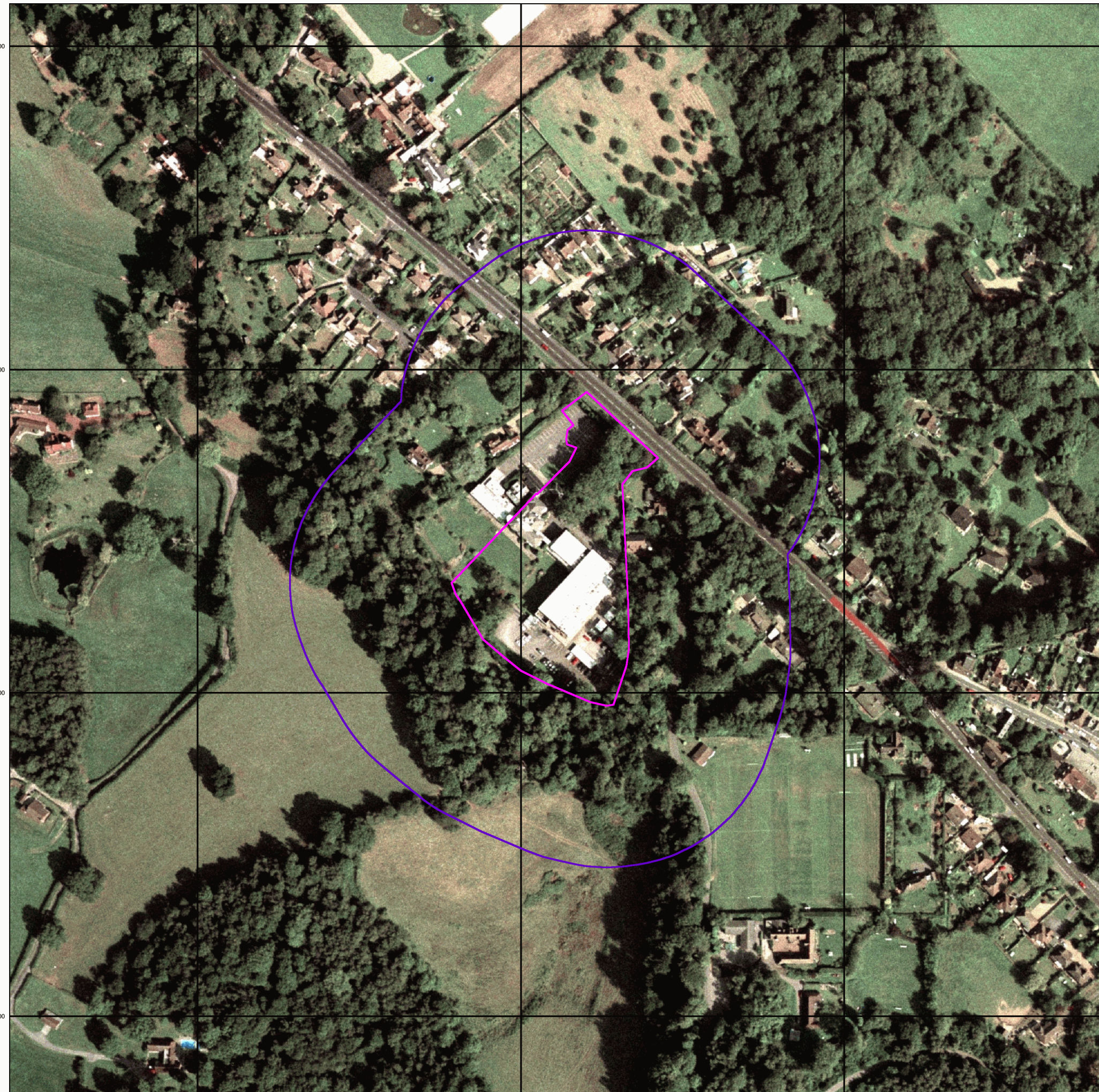


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# Historical Mapping Legends

## Ordnance Survey County Series 1:10,560

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

## Ordnance Survey Plan 1:10,000

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

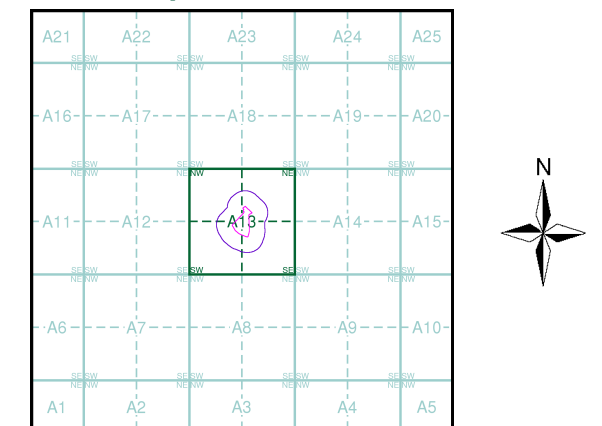
## 1:10,000 Raster Mapping

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

## Historical Mapping & Photography included:

| Mapping Type                  | Scale    | Date        | Pg |
|-------------------------------|----------|-------------|----|
| Kent                          | 1:10,560 | 1872        | 2  |
| Sussex                        | 1:10,560 | 1878        | 3  |
| Sussex                        | 1:10,560 | 1899        | 4  |
| Kent                          | 1:10,560 | 1899        | 5  |
| Surrey                        | 1:10,560 | 1899        | 6  |
| Kent                          | 1:10,560 | 1910        | 7  |
| Sussex                        | 1:10,560 | 1911        | 8  |
| Surrey                        | 1:10,560 | 1915        | 9  |
| Sussex                        | 1:10,560 | 1929        | 10 |
| Sussex                        | 1:10,560 | 1932        | 11 |
| Sussex                        | 1:10,560 | 1938 - 1950 | 12 |
| Historical Aerial Photography | 1:10,560 | 1947        | 13 |
| Kent                          | 1:10,560 | 1951        | 14 |
| Ordnance Survey Plan          | 1:10,000 | 1961 - 1963 | 15 |
| Ordnance Survey Plan          | 1:10,000 | 1978        | 16 |
| Ordnance Survey Plan          | 1:10,000 | 1980        | 17 |
| 10K Raster Mapping            | 1:10,000 | 1999        | 18 |
| 10K Raster Mapping            | 1:10,000 | 2006        | 19 |
| VectorMap Local               | 1:10,000 | 2024        | 20 |

## Historical Map - Slice A

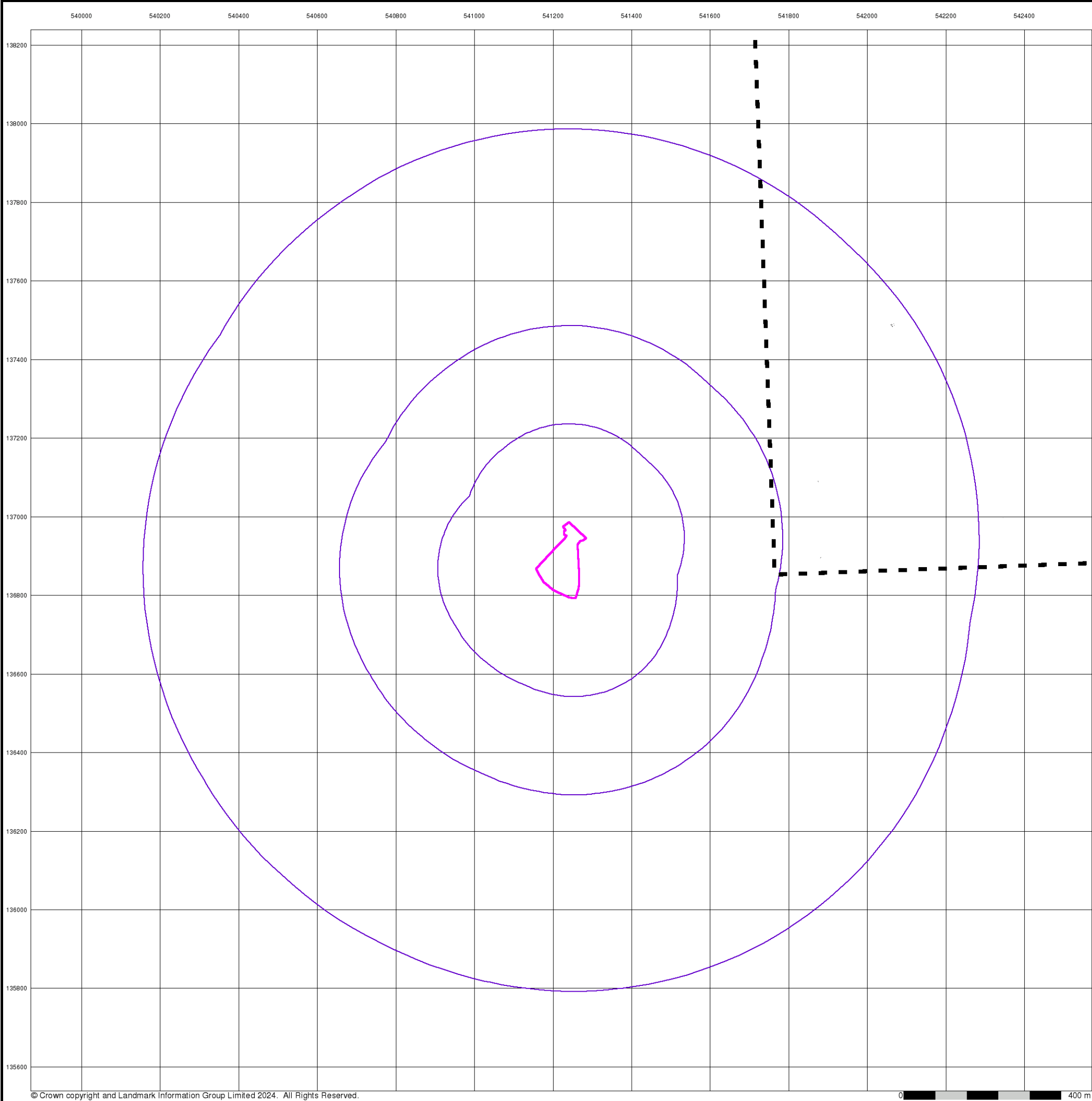


## Order Details

Order Number: 352930749\_1\_1  
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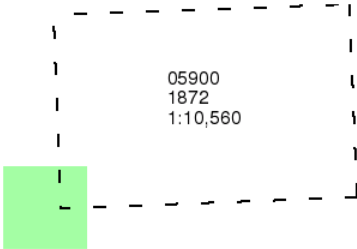
Kent

Published 1872

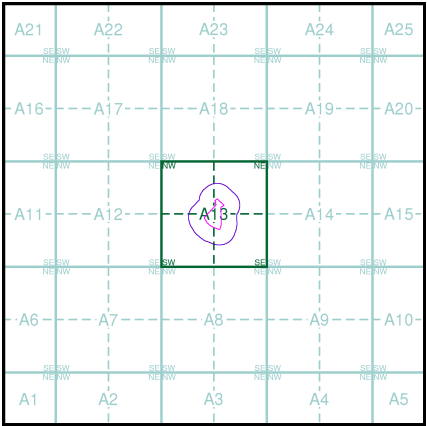
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



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Web: www.envirocheck.co.uk



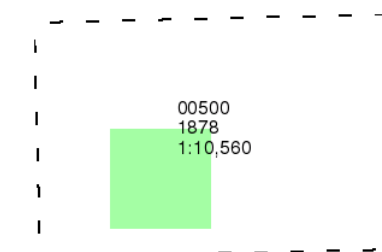
## Sussex

Published 1878

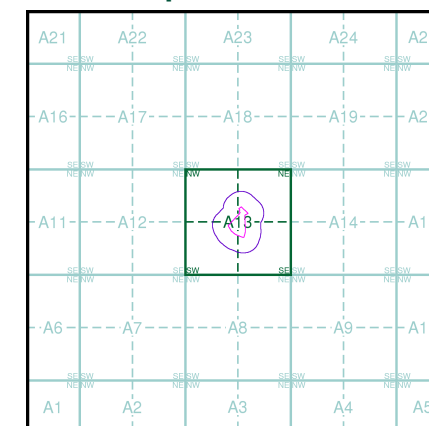
Source map scale - 1:10,560

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### Historical Map - Slice A



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## Sussex

Published 1899

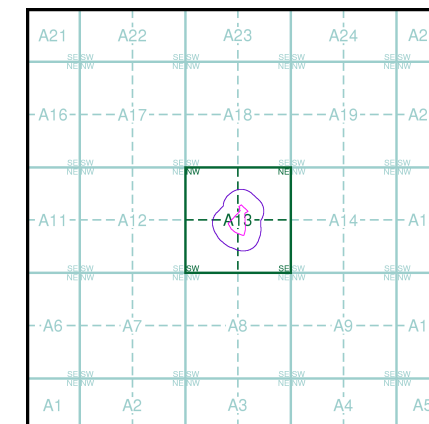
Source map scale - 1:10,560

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|                           |
|---------------------------|
| 005NW<br>1899<br>1:10,560 |
| 005SW<br>1899<br>1:10,560 |

### Historical Map - Slice A



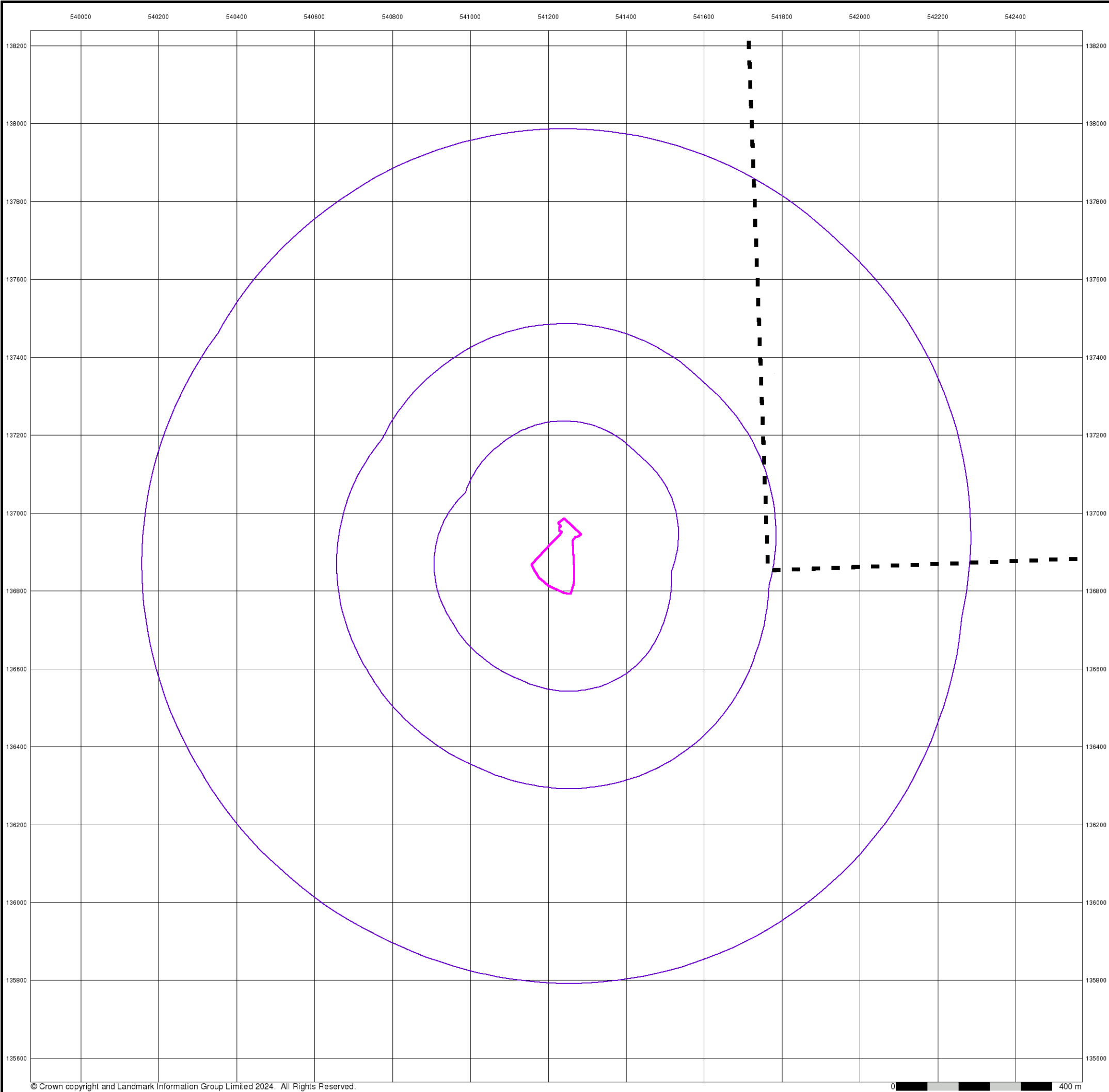
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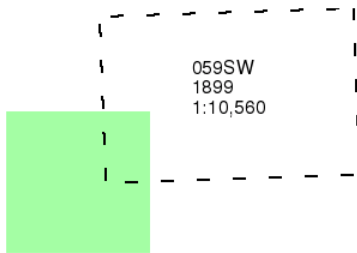
**Kent**

**Published 1899**

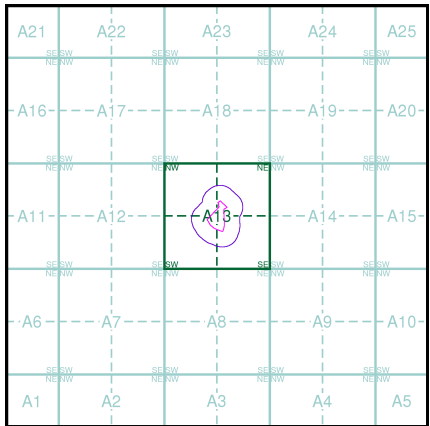
**Source map scale - 1:10,560**

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

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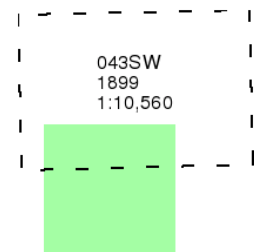
Surrey

Published 1899

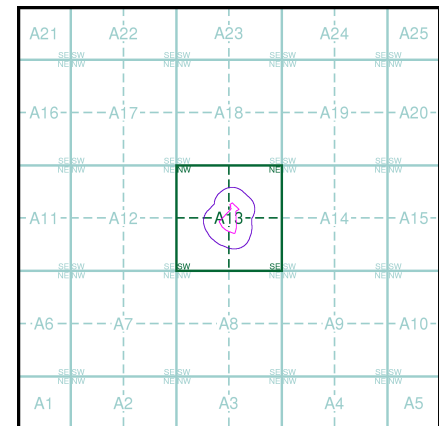
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:352930749\_1\_1

Customer Ref:J15778

National Grid Reference:541230, 136890

Slice:A

Site Area (Ha):1.27

Search Buffer (m):1000

Site Details

Wealden House/Former EDF Energy Offices, Lewes Road,  
EAST GRINSTEAD, RH19 3TB

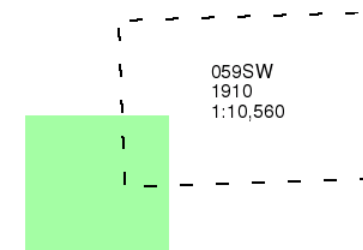
## Kent

**Published 1910**

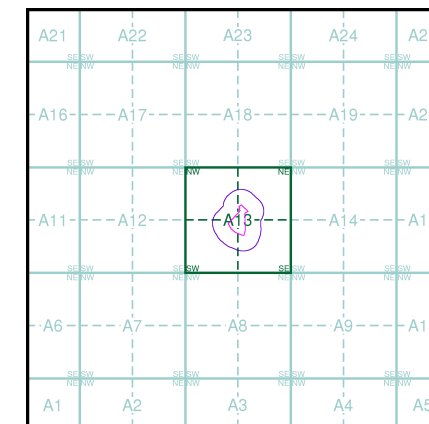
**Source map scale - 1:10,560**

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

### Map Name(s) and Date(s)



### Historical Map - Slice A

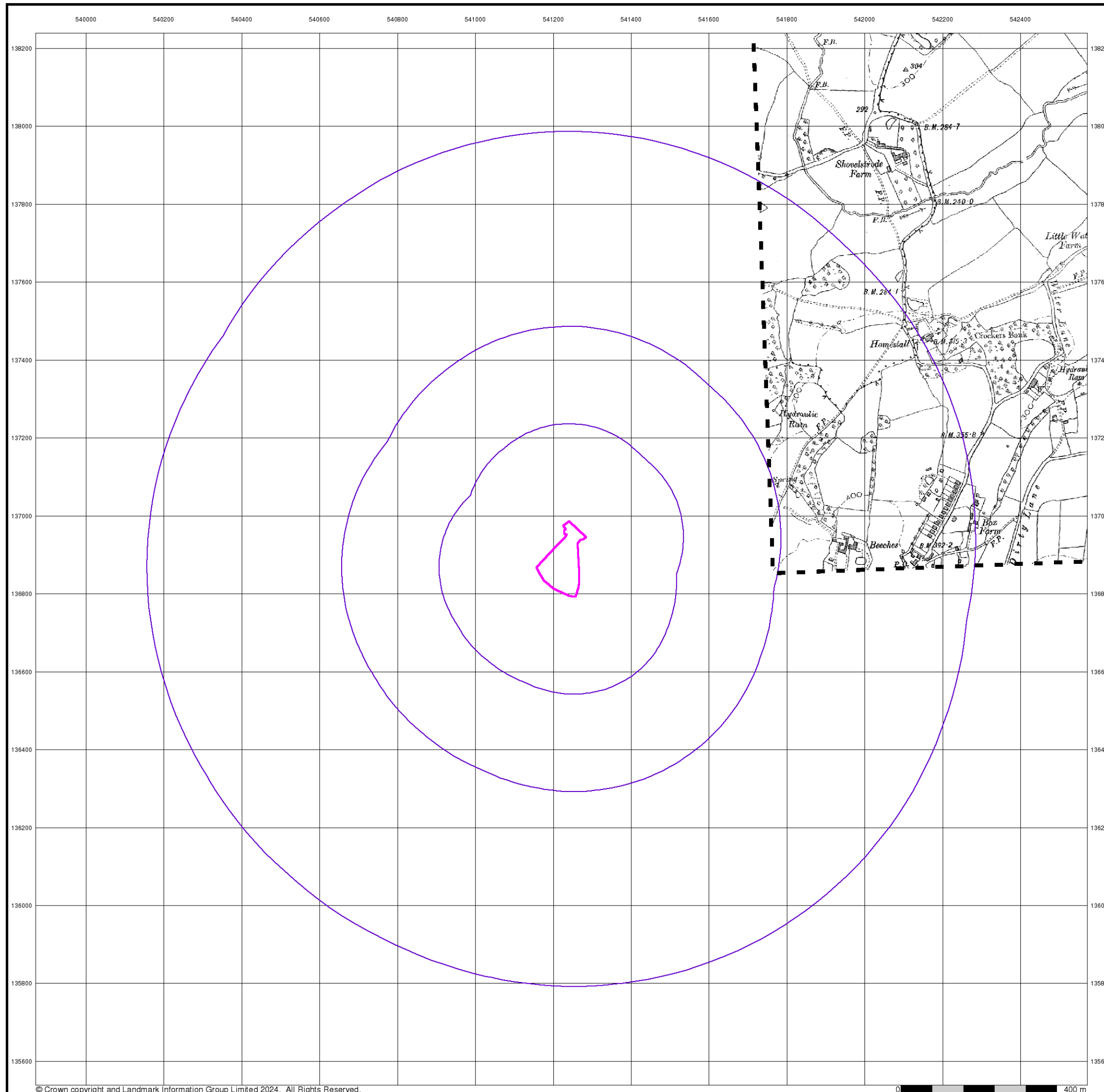


### Order Details

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

### Site Details

Wealden House/Former EDF Energy Offices, Lewes Road,  
EAST GRINSTEAD, RH19 3TB





## Sussex

Published 1911

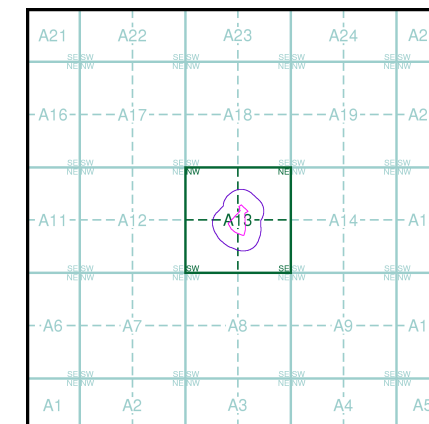
Source map scale - 1:10,560

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

## Map Name(s) and Date(s)

|                           |
|---------------------------|
| 005NW<br>1911<br>1:10,560 |
| 005SW<br>1911<br>1:10,560 |

## Historical Map - Slice A



## Order Details

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

## Site Details

Wealden House/Former EDF Energy Offices, Lewes Road,  
EAST GRINSTEAD, RH19 3TB



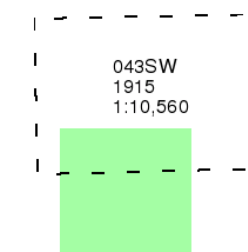
## Surrey

Published 1915

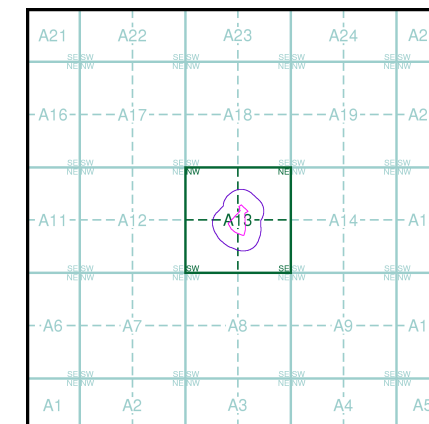
Source map scale - 1:10,560

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

### Map Name(s) and Date(s)



### Historical Map - Slice A

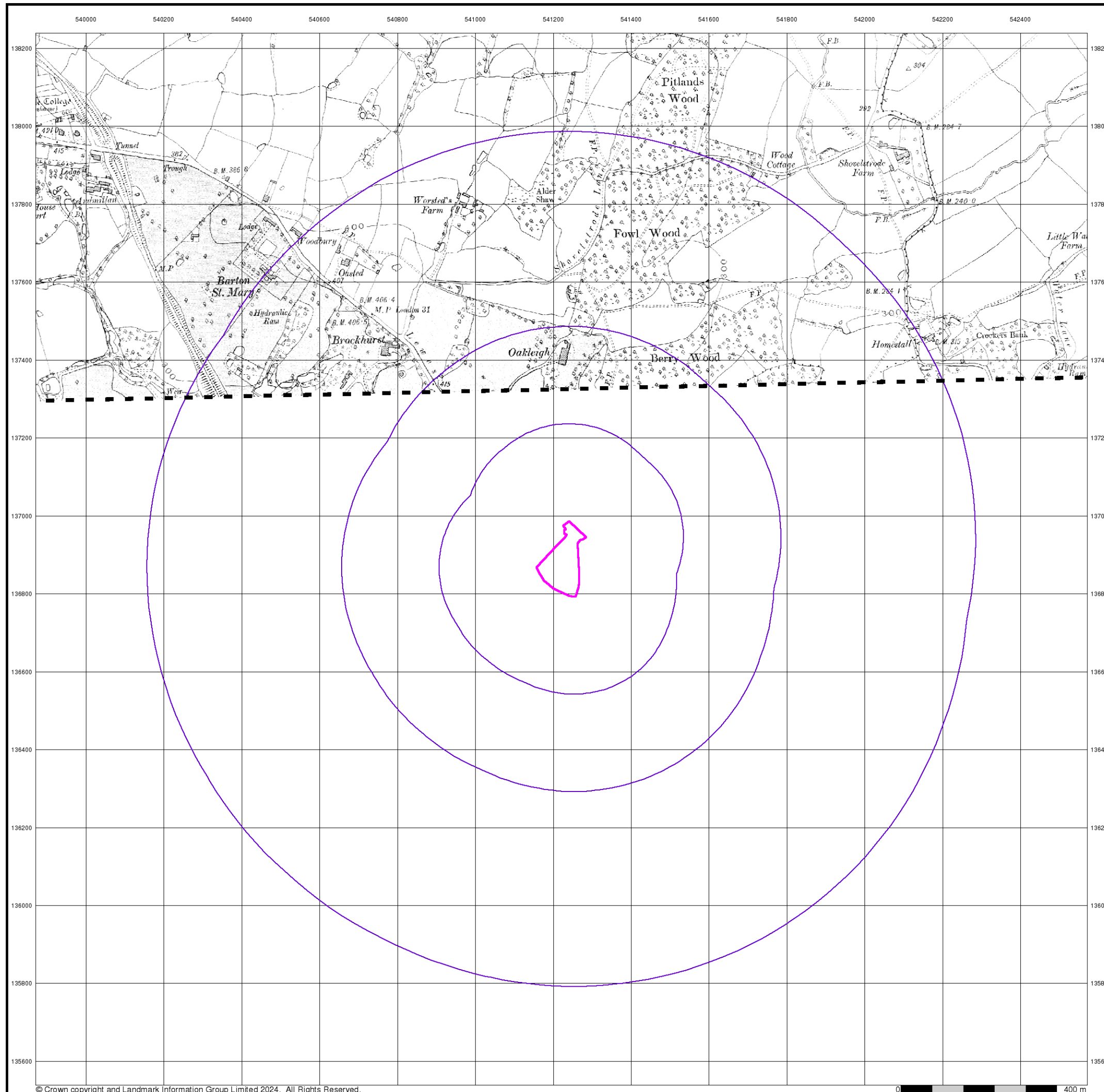


### Order Details

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

### Site Details

Wealden House/Former EDF Energy Offices, Lewes Road,  
EAST GRINSTEAD, RH19 3TB



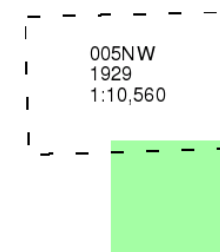
Sussex

Published 1929

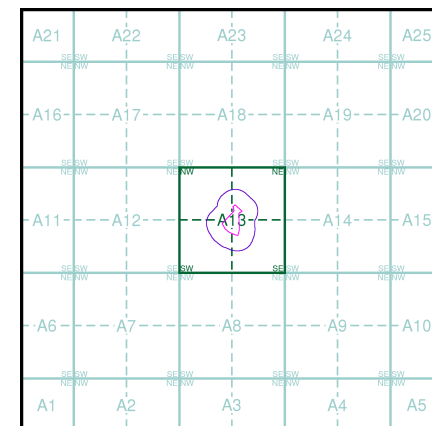
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

Site Details

Wealden House/Former EDF Energy Offices, Lewes Road,  
EAST GRINSTEAD, RH19 3TB



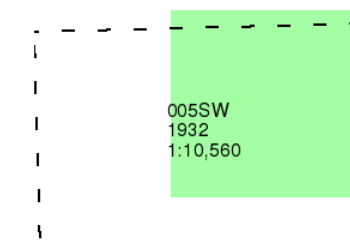
## Sussex

Published 1932

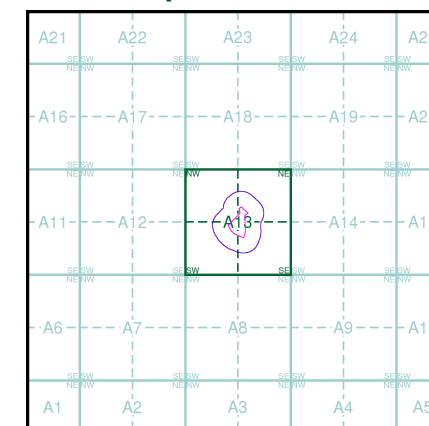
Source map scale - 1:10,560

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

## Map Name(s) and Date(s)



## Historical Map - Slice A



## Order Details

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

## Site Details

Wealden House/Former EDF Energy Offices, Lewes Road,  
EAST GRINSTEAD, RH19 3TB



## Sussex

Published 1938 - 1950

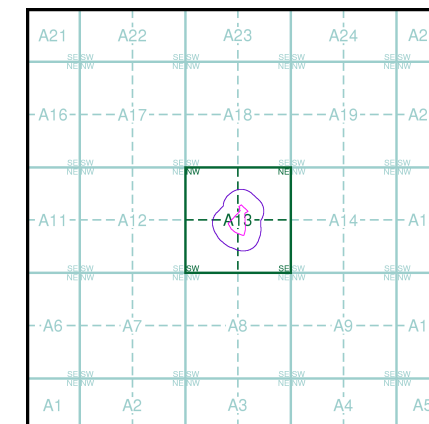
Source map scale - 1:10,560

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

### Map Name(s) and Date(s)

|                           |
|---------------------------|
| 005NW<br>1950<br>1:10,560 |
| 005SW<br>1938<br>1:10,560 |

### Historical Map - Slice A



### Order Details

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

### Site Details

Wealden House/Former EDF Energy Offices, Lewes Road,  
EAST GRINSTEAD, RH19 3TB



## Historical Aerial Photography

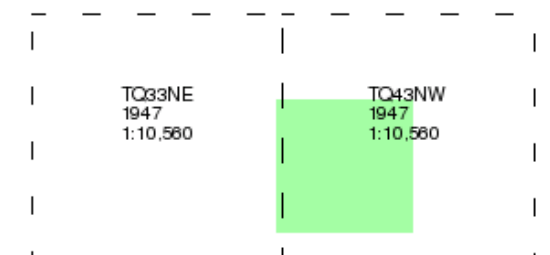
Published 1947

Source map scale - 1:10,560

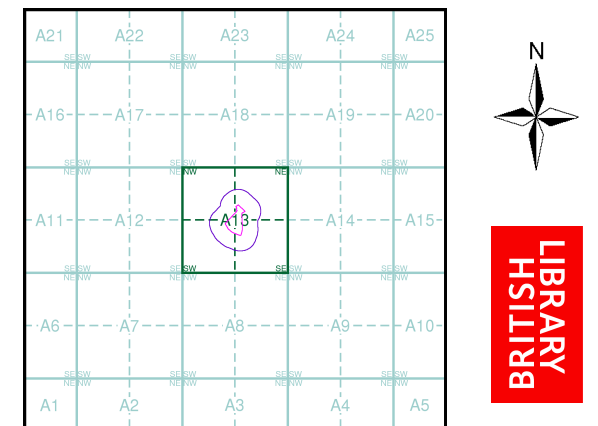
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 1950's meant that every photograph was re-checked for potentially unsafe information with security sites replaced by fake fields or clouds. The original editions were withdrawn and only later made available after a period of fifty years although due to the accuracy of the editing, without viewing both revisions it is not easy to spot the edits. Where available Landmark have included both revisions.

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### Map Name(s) and Date(s)



### Historical Aerial Photography - Slice A



### Order Details

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

### Site Details

Wealden House/Former EDF Energy Offices, Lewes Road,  
EAST GRINSTEAD, RH19 3TB



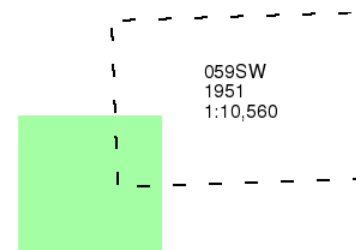
## Kent

Published 1951

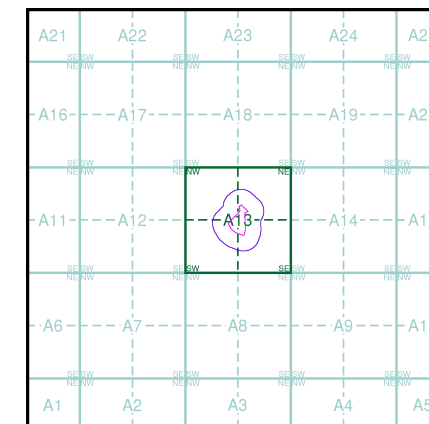
Source map scale - 1:10,560

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

## Map Name(s) and Date(s)



## Historical Map - Slice A



## Order Details

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

## Site Details

Wealden House/Former EDF Energy Offices, Lewes Road,  
EAST GRINSTEAD, RH19 3TB



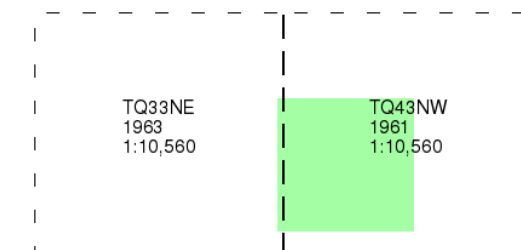
## Ordnance Survey Plan

Published 1961 - 1963

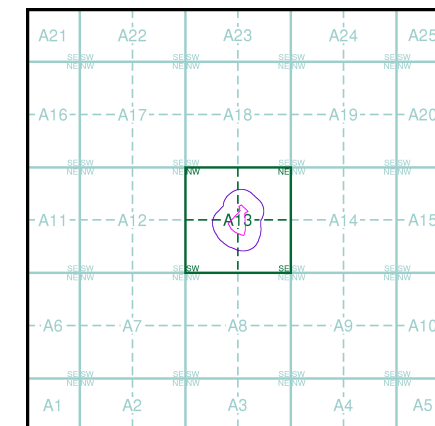
Source map scale - 1:10,000

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

## Map Name(s) and Date(s)



## Historical Map - Slice A



## Order Details

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

## Site Details

Wealden House/Former EDF Energy Offices, Lewes Road,  
EAST GRINSTEAD, RH19 3TB



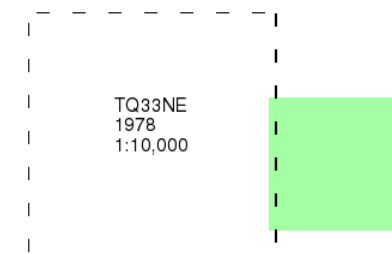
## Ordnance Survey Plan

Published 1978

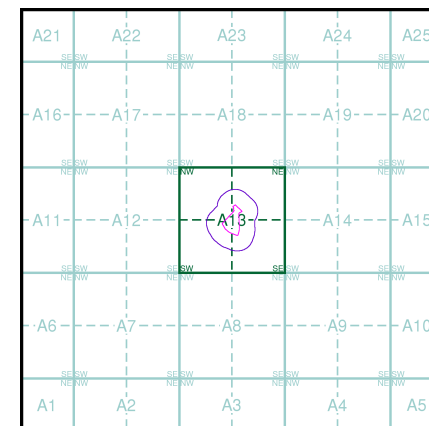
Source map scale - 1:10,000

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

### Map Name(s) and Date(s)



### Historical Map - Slice A



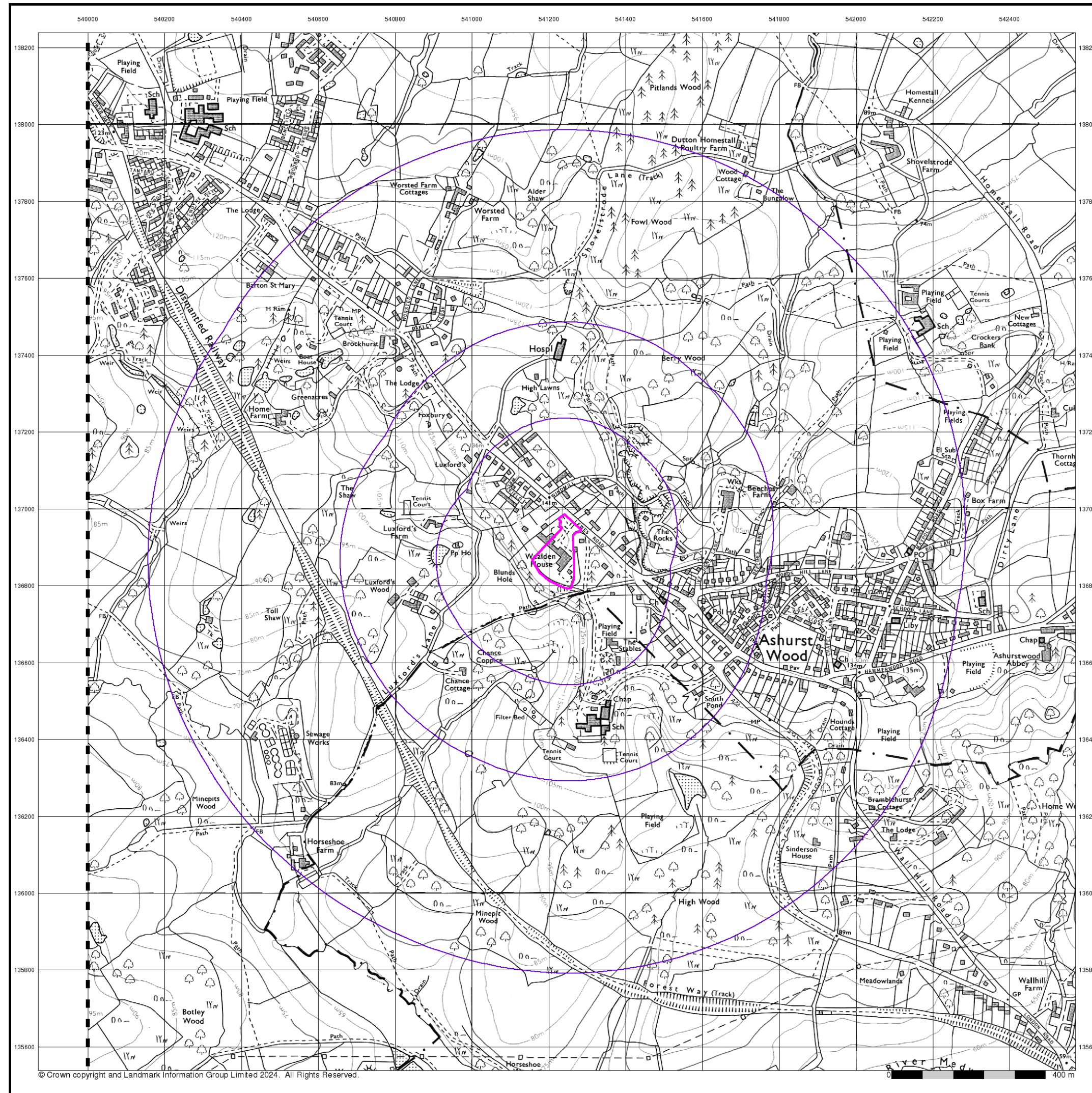
### Order Details

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

### Site Details

Wealden House/Former EDF Energy Offices, Lewes Road,  
EAST GRINSTEAD, RH19 3TB





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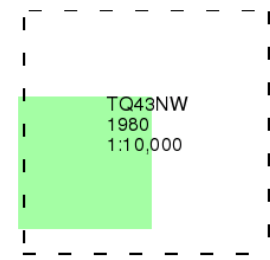
## Ordnance Survey Plan

### Published 1980

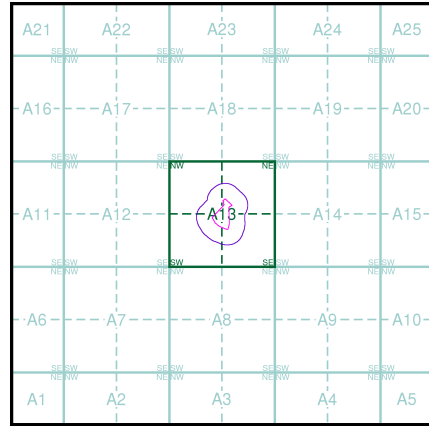
### Source map scale - 1:10,000

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

### Map Name(s) and Date(s)



### Historical Map - Slice A



### Order Details

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

### Site Details

Wealden House/Former EDF Energy Offices, Lewes Road, EAST GRINSTEAD, RH19 3TB



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



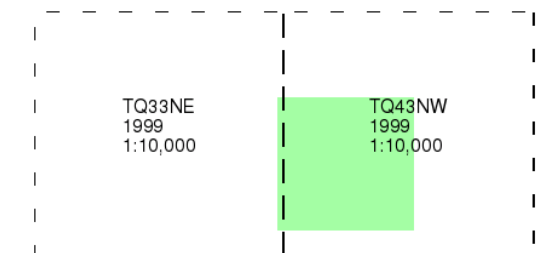
## 10k Raster Mapping

Published 1999

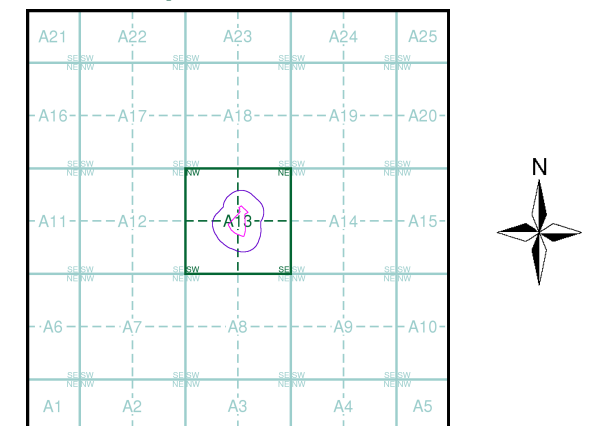
Source map scale - 1:10,000

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

### Map Name(s) and Date(s)



### Historical Map - Slice A



### Order Details

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

### Site Details

Wealden House/Former EDF Energy Offices, Lewes Road,  
EAST GRINSTEAD, RH19 3TB



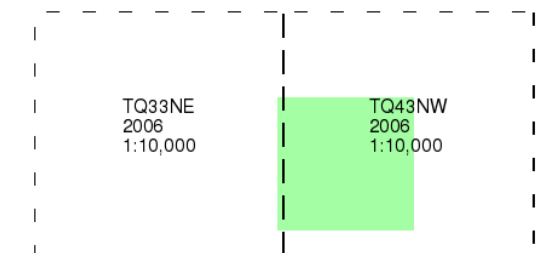
## 10k Raster Mapping

Published 2006

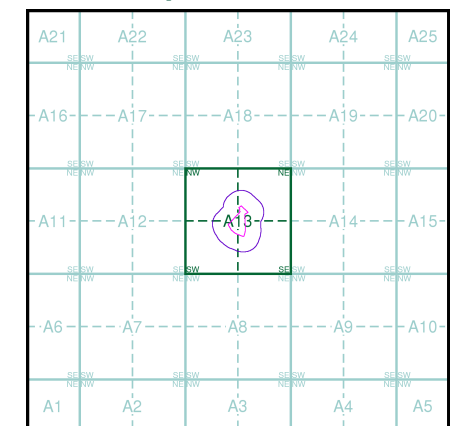
Source map scale - 1:10,000

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

### Map Name(s) and Date(s)



### Historical Map - Slice A

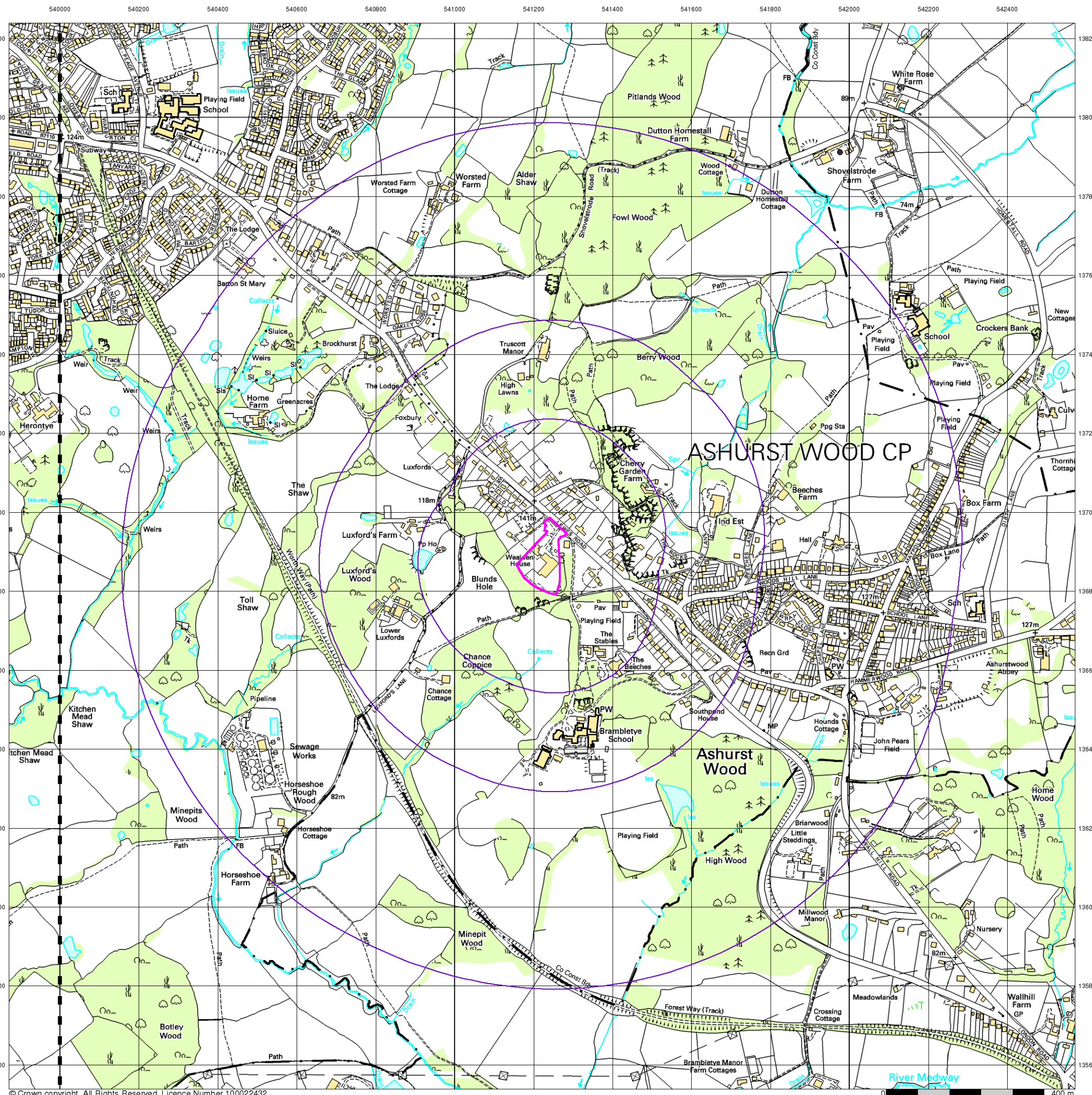


### Order Details

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

### Site Details

Wealden House/Former EDF Energy Offices, Lewes Road,  
EAST GRINSTEAD, RH19 3TB





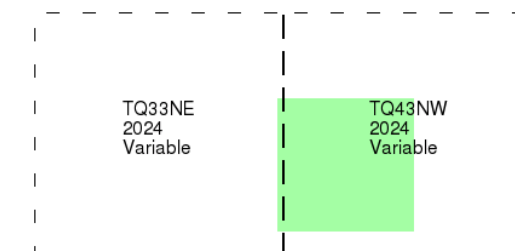
## VectorMap Local

Published 2024

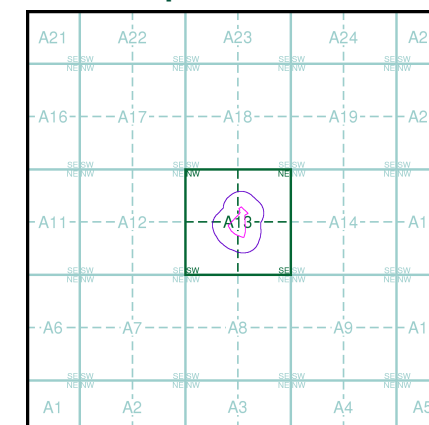
Source map scale - 1:10,000

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

## Map Name(s) and Date(s)



## Historical Map - Slice A

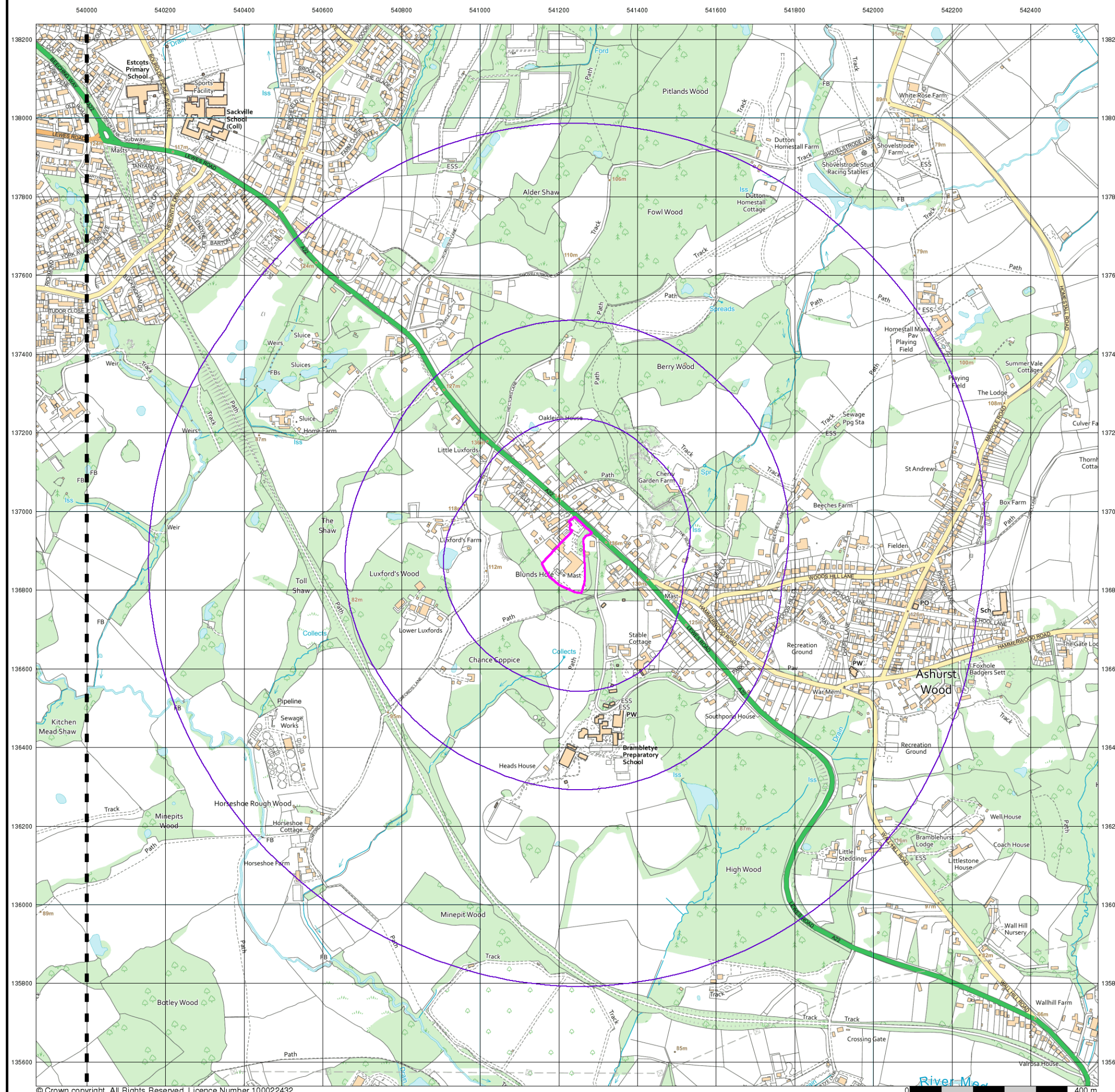


## Order Details

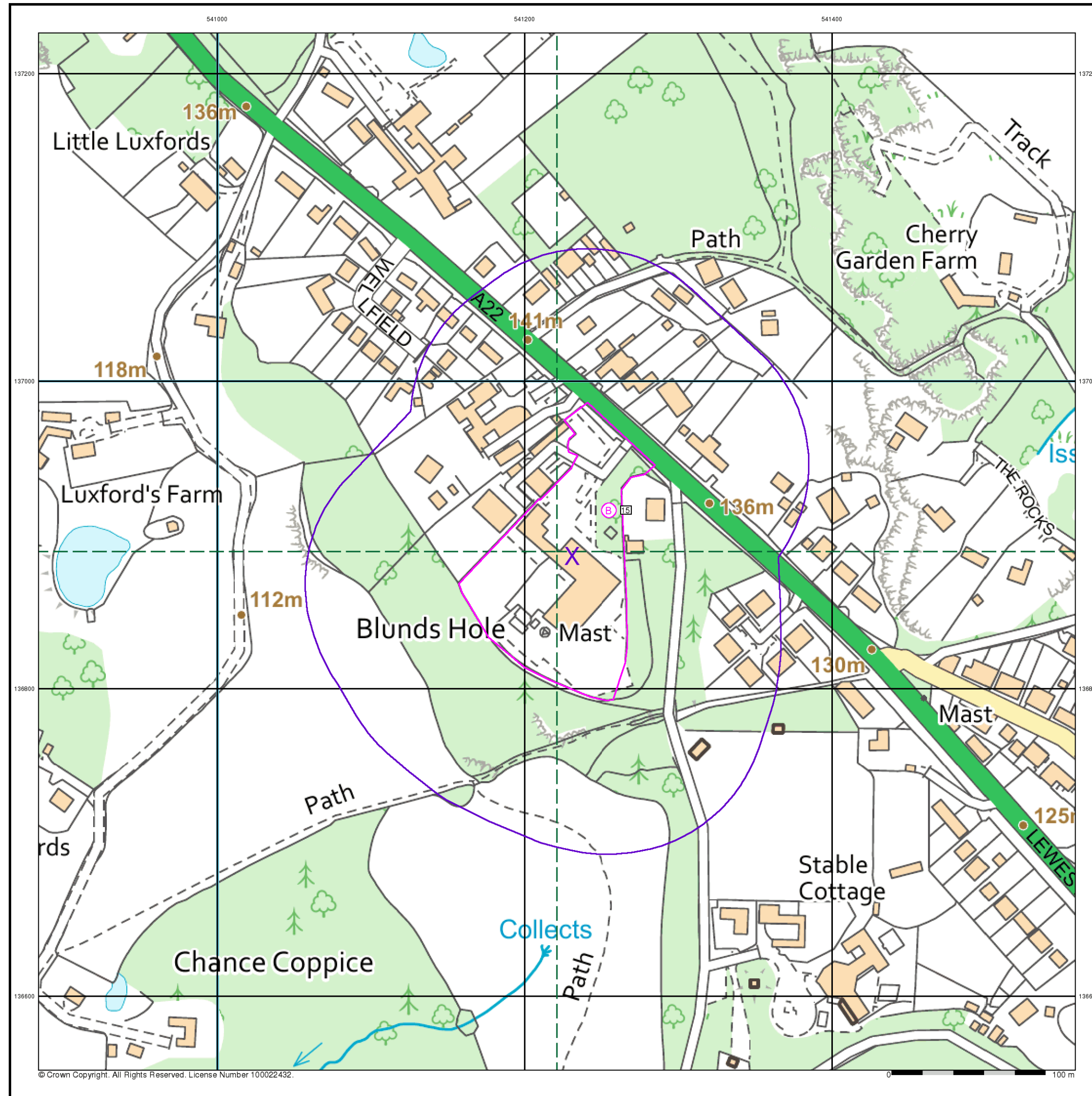
Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

## Site Details

Wealden House/Former EDF Energy Offices, Lewes Road,  
EAST GRINSTEAD, RH19 3TB







#### General

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

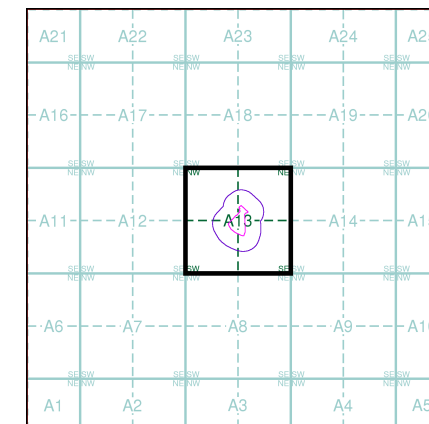
#### Historical Building Plans

-  Area Cleared due to Enemy Action
-  Asbestos
-  Above Ground Fuel Tanks
-  Benzene/Benzole/Naphtha, Naphthalene/Kerosene
-  Electricity Generation
-  Electricity Sub-Stations
-  Gas Industry
-  Gas Storage
-  Gas Use
-  Oil Industry
-  Oil Storage
-  Oil Use
-  Paint based Oils
-  Paraffin
-  Petrol and Diesel Industry
-  Petrol and Diesel Storage
-  Petrol and Diesel Use
-  Potential Fuel Gas
-  Potential Fuel Oil
-  Potential Fuel Use
-  Potential Petrol and Diesel
-  Potential Tanks
-  Potentially Fuel-related Tanks
-  Underground Fuel Tanks

#### Historical Tanks and Energy Facilities

-  Electrical Sub Station Facility
-  Electricity Industry Facility
-  Gas Industry Facility
-  Gas Monitoring Facility
-  Miscellaneous Power Facility
-  Oil Industry Facility
-  Petroleum Storage Facility
-  Potential Tank
-  Tank

#### Historical Data Report - Segment A13



#### Order Details

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Plot Buffer (m): 100

#### Site Details

Wealden House/Former EDF Energy Offices, Lewes Road, EAST GRINSTEAD, RH19 3TB





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

 Area Cleared due to Enemy Action

-  Former Marsh
-  Historical Flood Liability
-  Historical Flood Liability (Location)
-  Potentially Contaminative Industrial Use (Past Land Use)
-  Potentially Contaminative Industrial Use (Past Land Use) (Linear)
-  Potentially Contaminative Industrial Use (Past Land Use) (Location)
-  Potentially Infilled Land (Non-Water)
-  Potentially Infilled Land (Non-Water) (Linear)
-  Potentially Infilled Land (Non-Water) (Location)
-  Potentially Infilled Land (Water)
-  Potentially Infilled Land (Water) (Linear)
-  Potentially Infilled Land (Water) (Location)



Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

Wealden House/Former EDF Energy Offices, Lewes Road,  
EAST GRINSTEAD, RH19 3TB



## Envirocheck<sup>®</sup> Report:

### Historical Data Report Datasheet

#### Order Details:

**Order Number:**

352930749\_1\_1

**Customer Reference:**

J15778

**National Grid Reference:**

541230, 136890

**Slice:**

A

**Site Area (Ha):**

1.27

**Search Buffer (m):**

1000

#### Site Details:

Wealden House/Former EDF Energy Offices  
Lewes Road  
EAST GRINSTEAD  
RH19 3TB

#### Client Details:

MR D Spearman  
Southern Testing  
Keeble House  
Stuart Way  
East Grinstead  
West Sussex  
RH19 4QA

#### Prepared For:

Octagon Developments Ltd

| Report Section                          | Page Number |
|-----------------------------------------|-------------|
| Summary                                 | -           |
| Historical Building Plans Information   | -           |
| Historical Land Use Information         | 1           |
| Historical Tanks and Energy Facilities  | 2           |
| Historical Map List                     | 3           |
| Useful Contacts and Further Information | 4           |

#### Introduction

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

In the attached datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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#### Report Version v53.0



| Data Type                                                 | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m |
|-----------------------------------------------------------|-------------|---------|-----------|-------------|--------------|
| <b>Historical Building Plans Information</b>              |             |         |           |             |              |
| Areas Cleared Due To Enemy Action                         |             |         |           |             |              |
| Above Ground Fuel Tanks (100m)                            |             |         |           | n/a         | n/a          |
| Asbestos (100m)                                           |             |         |           | n/a         | n/a          |
| Benzene/Benzole/Naphtha, Naphthalene/Kerosene (100m)      |             |         |           | n/a         | n/a          |
| Electricity Generation (100m)                             |             |         |           | n/a         | n/a          |
| Electricity Sub-Station (100m)                            |             |         |           | n/a         | n/a          |
| Gas Industry (100m)                                       |             |         |           | n/a         | n/a          |
| Gas Storage (100m)                                        |             |         |           | n/a         | n/a          |
| Gas Use (100m)                                            |             |         |           | n/a         | n/a          |
| Oil Industry (100m)                                       |             |         |           | n/a         | n/a          |
| Oil Storage (100m)                                        |             |         |           | n/a         | n/a          |
| Oil Use (100m)                                            |             |         |           | n/a         | n/a          |
| Paint based Oils (100m)                                   |             |         |           | n/a         | n/a          |
| Paraffin (100m)                                           |             |         |           | n/a         | n/a          |
| Petrol and Diesel Industry (100m)                         |             |         |           | n/a         | n/a          |
| Petrol and Diesel Storage (100m)                          |             |         |           | n/a         | n/a          |
| Petrol and Diesel Use (100m)                              |             |         |           | n/a         | n/a          |
| Potential Fuel Gas (100m)                                 |             |         |           | n/a         | n/a          |
| Potential Fuel Oil (100m)                                 |             |         |           | n/a         | n/a          |
| Potential Fuel Use (100m)                                 |             |         |           | n/a         | n/a          |
| Potential Petrol and Diesel (100m)                        |             |         |           | n/a         | n/a          |
| Potential Tanks (100m)                                    |             |         |           | n/a         | n/a          |
| Potentially Fuel-related Tanks (100m)                     |             |         |           | n/a         | n/a          |
| Underground Fuel Tanks (100m)                             |             |         |           | n/a         | n/a          |
| <b>Historical Land Use Information</b>                    |             |         |           |             |              |
| Former Marshes                                            |             |         |           |             |              |
| Historical Flood Liabilities                              |             |         |           |             |              |
| Potentially Contaminative Industrial Uses (Past Land Use) | pg 1        |         | 2         | 2           | 6            |
| Potentially Infilled Land (Non-Water)                     | pg 1        |         | 1         |             |              |
| Potentially Infilled Land (Water)                         | pg 1        |         |           |             | 3            |

| Data Type                                     | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m |
|-----------------------------------------------|-------------|---------|-----------|-------------|--------------|
| <b>Historical Tanks and Energy Facilities</b> |             |         |           |             |              |
| Electrical Sub Station Facilities (100m)      | pg 2        | 1       |           | n/a         | n/a          |
| Electricity Industry Facilities (100m)        |             |         |           | n/a         | n/a          |
| Gas Industry Facilities (100m)                |             |         |           | n/a         | n/a          |
| Gas Monitoring Facilities (100m)              |             |         |           | n/a         | n/a          |
| Miscellaneous Power Facilities (100m)         |             |         |           | n/a         | n/a          |
| Oil Industry Facilities (100m)                |             |         |           | n/a         | n/a          |
| Petroleum Storage Facilities (100m)           |             |         |           | n/a         | n/a          |
| Potential Tanks (100m)                        |             |         |           | n/a         | n/a          |
| Tanks (100m)                                  |             |         |           | n/a         | n/a          |

| Map ID | Details                                                                                                                                                          | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|------------------|
| 1      | <b>Potentially Contaminative Industrial Uses (Past Land Use)</b><br>Use: General quarrying<br>Date of Mapping: 1899                                              | A13SW (W)                              | 149                          | 1       | 541009<br>136862 |
| 2      | <b>Potentially Contaminative Industrial Uses (Past Land Use)</b><br>Use: Leather tanning & dressing<br>Date of Mapping: 1878                                     | A13NE (E)                              | 231                          | 1       | 541513<br>136909 |
| 3      | <b>Potentially Contaminative Industrial Uses (Past Land Use)</b><br>Use: Sewage<br>Date of Mapping: 1980                                                         | A8NW (S)                               | 314                          | 1       | 541148<br>136495 |
| 4      | <b>Potentially Contaminative Industrial Uses (Past Land Use)</b><br>Use: Hospitals<br>Date of Mapping: 1980                                                      | A18SE (N)                              | 428                          | 1       | 541229<br>137414 |
| 5      | <b>Potentially Contaminative Industrial Uses (Past Land Use)</b><br>Use: General quarrying<br>Date of Mapping: 1899                                              | A14SW (E)                              | 505                          | 1       | 541768<br>136774 |
| 6      | <b>Potentially Contaminative Industrial Uses (Past Land Use)</b><br>Use: Railways<br>Date of Mapping: 1878 - 1961                                                | A12SE (SW)                             | 527                          | 1       | 540694<br>136616 |
| 7      | <b>Potentially Contaminative Industrial Uses (Past Land Use)</b><br>Use: Quarrying of sand & clay, operation of sand & gravel pits<br>Date of Mapping: 1899      | A18NE (N)                              | 591                          | 1       | 541253<br>137577 |
| 8      | <b>Potentially Contaminative Industrial Uses (Past Land Use)</b><br>Use: Sewage<br>Date of Mapping: 1980                                                         | A7NE (SW)                              | 707                          | 1       | 540552<br>136499 |
| 9      | <b>Potentially Contaminative Industrial Uses (Past Land Use)</b><br>Use: Railways<br>Date of Mapping: 1878 - 1961                                                | A8SW (S)                               | 868                          | 1       | 541099<br>135938 |
| 10     | <b>Potentially Contaminative Industrial Uses (Past Land Use)</b><br>Use: Electricity production & distribution [inc large transformers]<br>Date of Mapping: 1980 | A15NW (E)                              | 983                          | 1       | 542251<br>137122 |
| 11     | <b>Potentially Infilled Land (Non-Water)</b><br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1980                                            | A13SW (W)                              | 149                          | 1       | 541009<br>136862 |
| 12     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1961                           | A14SE (E)                              | 709                          | 1       | 541990<br>136881 |
| 13     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1961                           | A17NE (NW)                             | 788                          | 1       | 540795<br>137635 |
| 14     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1961                           | A14NE (E)                              | 897                          | 1       | 542169<br>137092 |



| Map ID | Details                                                                                        | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
|--------|------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|------------------|
| 15     | <b>Electrical Sub Station Facilities</b><br>Scale of Mapping: 1:2,500<br>Date of Mapping: 1979 | A13NE (NE)                             | 0                            | 1       | 541255<br>136916 |

No Historical Building Plans information available.

The following mapping has been analysed for Historical Land Use Information:

| 1:10,560             | Mapsheet | Published Date |
|----------------------|----------|----------------|
| Sussex               | 005_00   | 1878           |
| Surrey               | 043_00   | 1878           |
| Kent                 | 059_00   | 1878           |
| Sussex               | 005_NW   | 1899           |
| Sussex               | 005_SW   | 1899           |
| Surrey               | 043_SW   | 1899           |
| Kent                 | 059_SW   | 1899           |
| Kent                 | 059_SW   | 1910           |
| Sussex               | 005_NW   | 1911           |
| Sussex               | 005_SW   | 1911           |
| Surrey               | 043_SW   | 1915           |
| Sussex               | 005_SW   | 1938           |
| Kent                 | 059_SW   | 1947           |
| Sussex               | 005_NW   | 1950           |
| Ordnance Survey Plan | TQ43NW   | 1961           |
| Ordnance Survey Plan | TQ33NE   | 1963           |
| 1:10,000             | Mapsheet | Published Date |
| Ordnance Survey Plan | TQ33NE   | 1978           |
| Ordnance Survey Plan | TQ43NW   | 1980           |

The following mapping has been analysed for Historical Tanks and Energy Facilities:

| 1:2,500              | Mapsheet | Published Date |
|----------------------|----------|----------------|
| Ordnance Survey Plan | TQ4037   | 1964           |
| Ordnance Survey Plan | TQ4137   | 1964           |
| Ordnance Survey Plan | TQ4036   | 1965           |
| Ordnance Survey Plan | TQ4136   | 1965           |
| Ordnance Survey Plan | TQ4036   | 1979           |
| Ordnance Survey Plan | TQ4136   | 1979           |

| Contact | Name and Address                                                                                 | Contact Details                                                                                                                                                                                      |
|---------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | <b>Landmark Information Group Limited</b><br>Imperium, Imperial Way, Reading, Berkshire, RG2 0TD | Telephone: 0844 844 9966<br>Fax: 0844 844 9951<br>Email: <a href="mailto:helpdesk@landmark.co.uk">helpdesk@landmark.co.uk</a><br>Website: <a href="http://www.landmark.co.uk">www.landmark.co.uk</a> |

### Historical Building Plans Information

This data set contains potentially contaminative features such as asbestos, petrol, oil and tanks captured from Historical Building Plans. The Historical Building Plans were produced by the London-based firm Charles E. Goad Ltd. as fire insurance plans, dating back to 1885. The firm ceased production of fire insurance plans in 1970. Most of the important towns and cities of the British Isles are covered. Historical Building Plans are usually at the scales of 1:480 (1 inch to 40 feet) for the British Isles. They were updated every 5-6 years by means of revision sheets designed to be pasted on to the original plans.

It should be noted that Historical Building Plans are only available for certain major towns and cities and in some cases there may only be partial coverage of the search area. It cannot therefore be assumed that the absence of responses under the Historical Building Plans section of this report indicates that no hazards exist. Please check the Historical Building Plans Map List table in the Historical Map List section of this report to establish if Historical Building Plans are available for this search area.

### Historical Land Use Information

Landmark's Historical Land Use Data is the result of combined analysis of historical map data captured at 1:10,560 and 1:10,000. A unique comprehensive database of Historic Land Use from the 1840's to 1996 it includes 67 different types of potentially contaminated past industrial land use. This entailed analysing over 60,000 maps and is drawn from at least four, and up to six historical map editions. In addition a seventh layer was also created, known as the land use layer, containing areas of infilled land which are plotted via comparison between two or more map editions.

### Historical Tanks and Energy Facilities

In addition to HLUUD, additional analysis uncovered some of the most dangerous sources of contamination (past and present tanks, petrol storage, oil, gas, electricity, miscellaneous facilities). This data set covers over 390,000 Historical Tanks and Energy facilities in Great Britain and was captured from post war 1:2500 and 1:1250 Ordnance Survey historical mapping covering a period from 1943 to 1996.





**APPENDIX H**

**Phase 1 Desk Study –  
Environmental Database  
Search Results and Mapping**



## Geology 1:50,000 Maps Legends

### Superficial Geology

| Map Colour                                                                        | Lex Code | Rock Name | Rock Type                   | Min and Max Age           |
|-----------------------------------------------------------------------------------|----------|-----------|-----------------------------|---------------------------|
|  | ALV      | Alluvium  | Clay, Silt, Sand and Gravel | Not Supplied - Holocene   |
|  | HEAD     | Head      | Clay, Silt, Sand and Gravel | Not Supplied - Quaternary |

### Bedrock and Faults

| Map Colour                                                                         | Lex Code | Rock Name                  | Rock Type                            | Min and Max Age            |
|------------------------------------------------------------------------------------|----------|----------------------------|--------------------------------------|----------------------------|
|   | LTW      | LOWER TUNBRIDGE WELLS SAND | Sandstone, Siltstone and Mudstone    | Not Supplied - Valanginian |
|   | GRC      | Grinstead Clay Member      | Mudstone                             | Not Supplied - Valanginian |
|   | WDC      | Wadhurst Clay Formation    | Mudstone                             | Not Supplied - Valanginian |
|   | ARS      | ARDINGLY SANDSTONE MEMBER  | Sandstone                            | Not Supplied - Valanginian |
|   | WDC      | Wadhurst Clay Formation    | Ironstone                            | Not Supplied - Valanginian |
|   | CKST     | CUCKFIELD STONE BED        | Sandstone, Calcareous                | Not Supplied - Valanginian |
|   | ASD      | Ashdown Formation          | Sandstone and Siltstone, Interbedded | Not Supplied - Berriasian  |
|  |          | Faults                     |                                      |                            |

### Geology 1:50,000 Maps

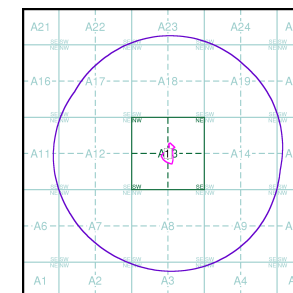
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published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

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

### Geology 1:50,000 Maps Coverage

|                      |                 |
|----------------------|-----------------|
| Map ID:              | 1               |
| Map Sheet No:        | 303             |
| Map Name:            | Tunbridge Wells |
| Map Date:            | 1971            |
| Bedrock Geology:     | Available       |
| Superficial Geology: | Available       |
| Artificial Geology:  | Available       |
| Faults:              | Not Supplied    |
| Landslip:            | Available       |
| Rock Segments:       | Not Supplied    |

### Geology 1:50,000 Maps - Slice A

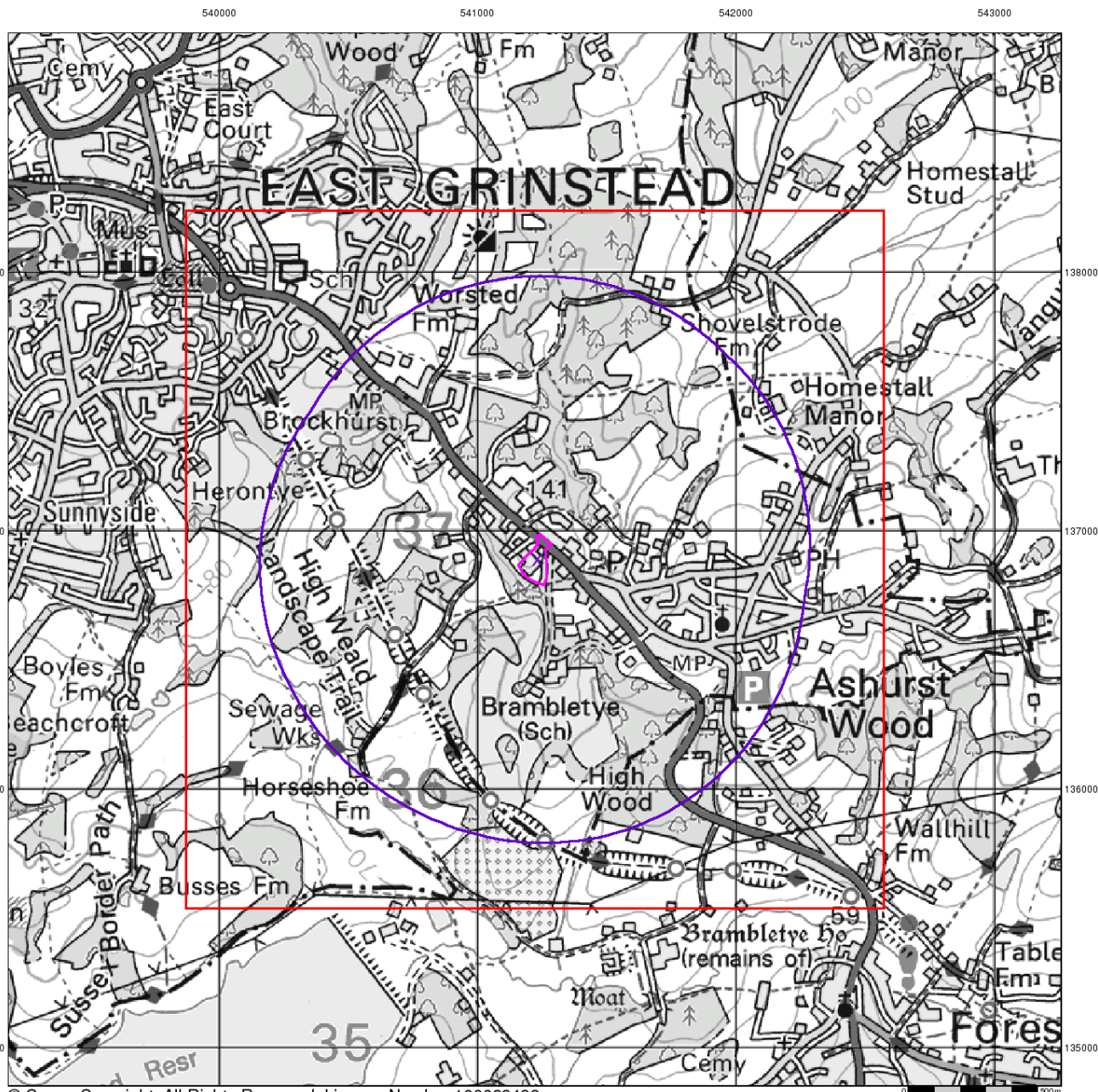


### Order Details:

|                          |                |
|--------------------------|----------------|
| Order Number:            | 352930749_1_1  |
| Customer Reference:      | J15778         |
| National Grid Reference: | 541230, 136890 |
| Slice:                   | A              |
| Site Area (Ha):          | 1.27           |
| Search Buffer (m):       | 1000           |

### Site Details:

Wealden House/Former EDF Energy Offices, Lewes Road, EAST GRINSTEAD, RH19 3TB



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### Artificial Ground and Landslip

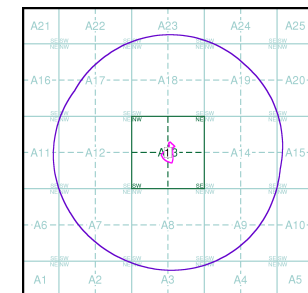
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

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

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

### Artificial Ground and Landslip Map - Slice A



### Order Details:

Order Number: 352930749\_1\_1  
Customer Reference: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

### Site Details:

Wealden House/Former EDF Energy Offices, Lewes Road, EAST GRINSTEAD, RH19 3TB





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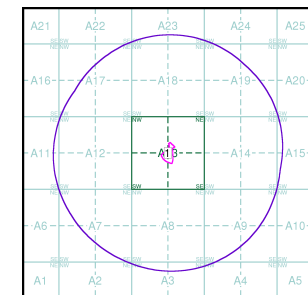
### Superficial Geology

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

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

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

### Superficial Geology Map - Slice A



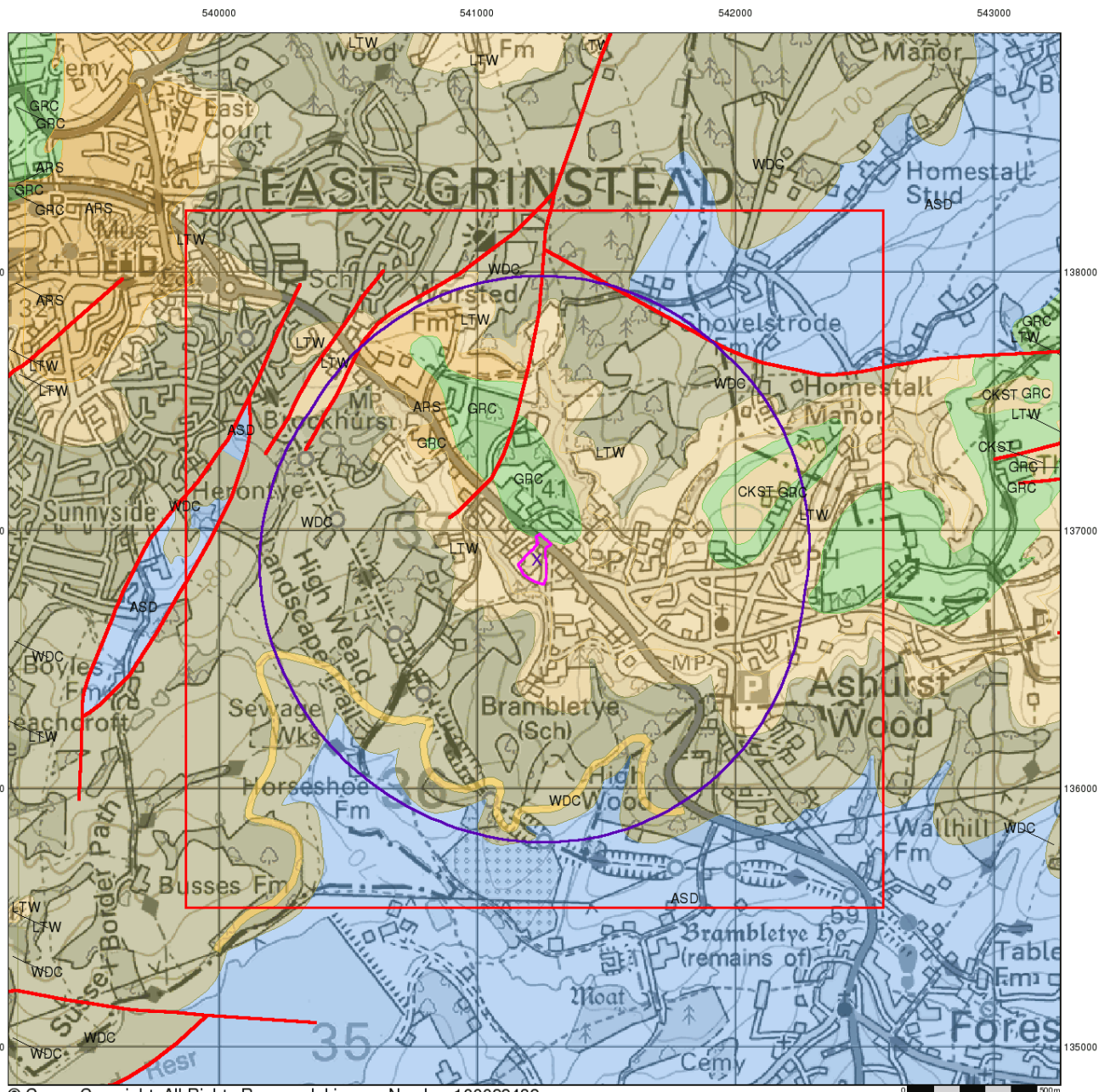
### Order Details:

Order Number: 352930749\_1\_1  
Customer Reference: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

### Site Details:

Wealden House/Former EDF Energy Offices, Lewes Road, EAST GRINSTEAD, RH19 3TB





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### Bedrock and Faults

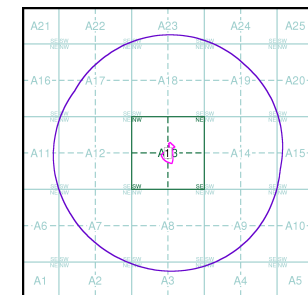
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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

### Bedrock and Faults Map - Slice A



### Order Details:

Order Number: 352930749\_1\_1  
Customer Reference: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

### Site Details:

Wealden House/Former EDF Energy Offices, Lewes Road, EAST GRINSTEAD, RH19 3TB







## Historical Land Use Information (1:10,000)

### General

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

### Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

|                                                               | Point                                                                               | Line                                                                                | Polygon                                                                             |
|---------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Air Shafts                                                    |  |  |  |
| Disturbed Ground                                              |  |  |  |
| General Quarrying                                             |  |  |  |
| Heap, unknown constituents                                    |  |  |  |
| Mineral Railway                                               |  |  |  |
| Mining and Quarrying General                                  |  |  |  |
| Mining of Coal & Lignite                                      |  |  |  |
| Quarrying of Sand and Clay, Operation of Sand and Gravel Pits |  |  |  |

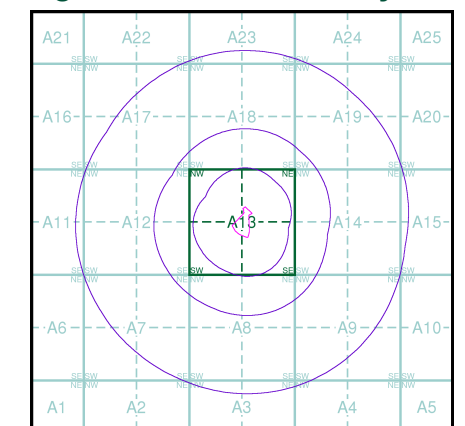
### Historical Land Use

|                                       | Point                                                                               | Line                                                                                | Polygon                                                                             |
|---------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Potentially Infilled Land (Non-Water) |  |  |  |
| Potentially Infilled Land (Water)     |  |  |  |
| Former Marsh                          |  |                                                                                     |                                                                                     |

### Mining Data

-  Potential Mining Area  
 BGS Recorded Mineral Site

## Mining and Ground Stability - Slice A



### Order Details

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

### Site Details

Wealden House/Former EDF Energy Offices, Lewes Road,  
EAST GRINSTEAD, RH19 3TB









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## Ground Stability Data (1:50,000)

### General

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

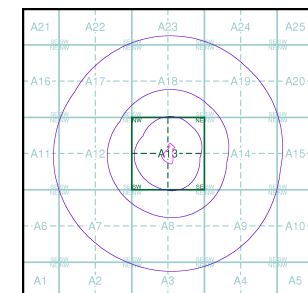
### Potential for Landslide Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

### Potential for Ground Dissolution Stability Hazards

- ▨ High
- ▨ Moderate
- ▨ Low
- ▨ Very Low

### Mining and Ground Stability - Slice A



### Order Details

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

### Site Details

Wealden House/Former EDF Energy Offices, Lewes Road, EAST GRINSTEAD, RH19 3TB





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## Ground Stability Data (1:50,000)

### General

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

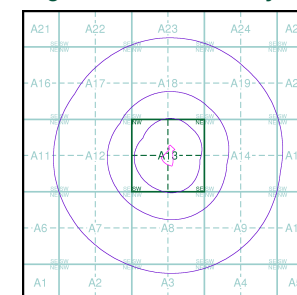
### Potential for Running Sand Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

### Potential for Shrinking or Swelling Clay Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

### Mining and Ground Stability - Slice A



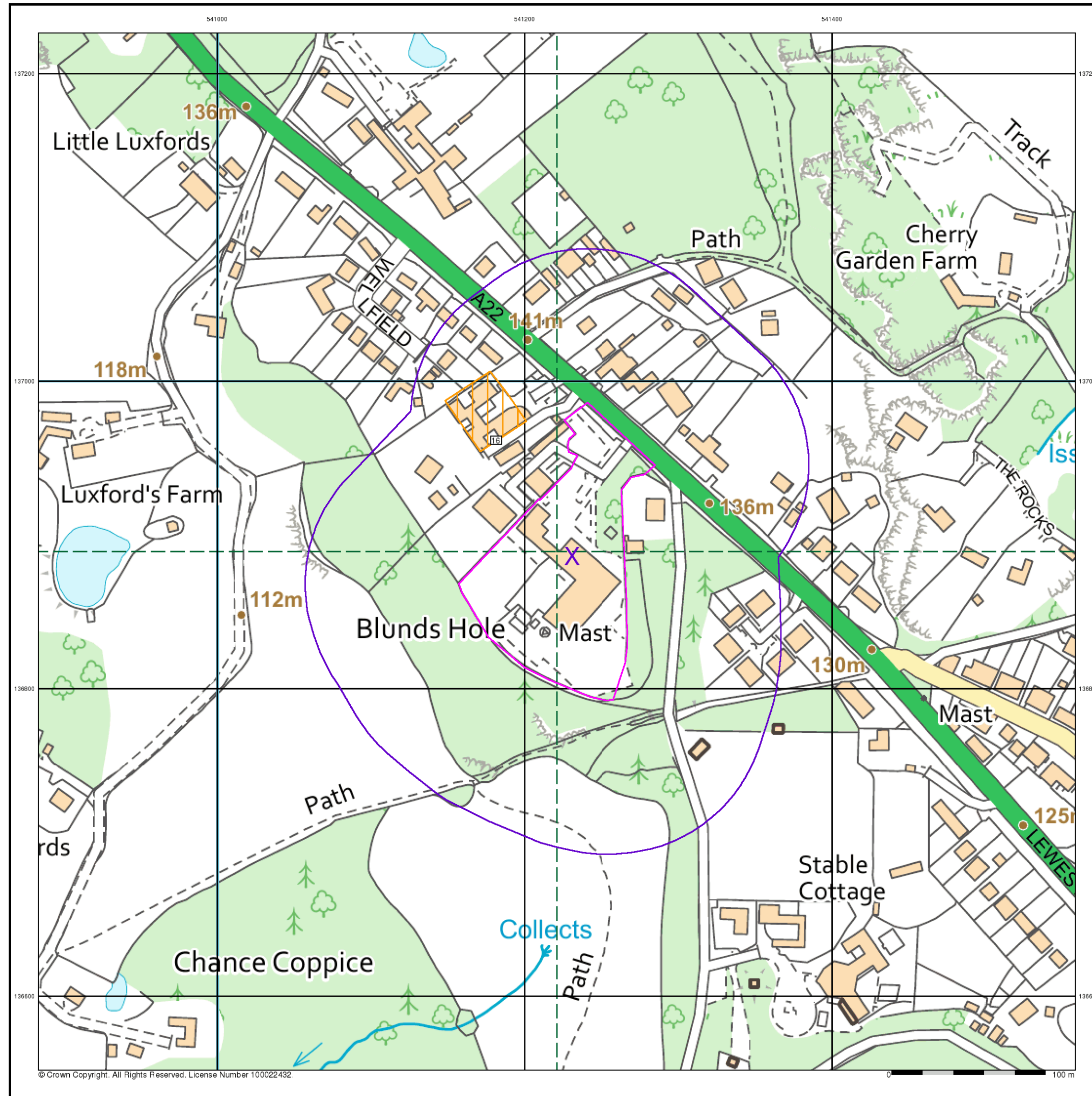
### Order Details

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

### Site Details

Wealden House/Former EDF Energy Offices, Lewes Road, EAST GRINSTEAD, RH19 3TB







# Southern Testing

Environmental & Geotechnical

## Historical Land Use Information (1:2,500)

### General

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

Several of Type at Location

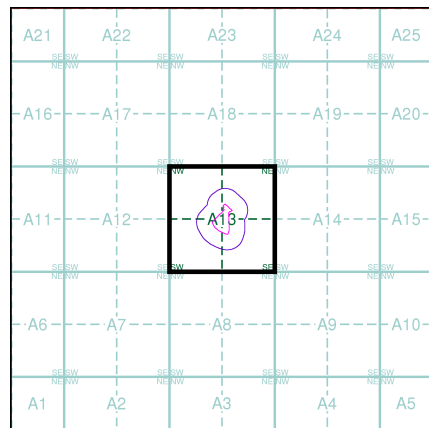
### Potentially Contaminative Industrial Uses (Extractive Industries Activity)

|                                                 | Point | Line | Polygon |
|-------------------------------------------------|-------|------|---------|
| Extractive Industries Activity from 1855 - 1909 | ▲     | —    | ■       |
| Extractive Industries Activity from 1893 - 1915 | ▲     | —    | ■       |
| Extractive Industries Activity from 1906 - 1937 | ▲     | —    | ■       |
| Extractive Industries Activity from 1924 - 1949 | ▲     | —    | ■       |
| Extractive Industries Activity from 1950 - 1980 | ▲     | —    | ■       |

### Subterranean Features

|                       | Point | Line | Polygon |
|-----------------------|-------|------|---------|
| Subterranean Features | ▼     | ---  | ■       |

### Mining and Ground Stability - Segment A13



### Order Details

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Plot Buffer (m): 100

### Site Details

Wealden House/Former EDF Energy Offices, Lewes Road, EAST GRINSTEAD, RH19 3TB



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Web: www.envirocheck.co.uk

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A Landmark Information Group Service v50.0 16-Jul-2024 Page 1 of 1

## Envirocheck<sup>®</sup> Report:

### Mining and Ground Stability Datasheet

#### Order Details:

**Order Number:**

352930749\_1\_1

**Customer Reference:**

J15778

**National Grid Reference:**

541230, 136890

**Slice:**

A

**Site Area (Ha):**

1.27

**Search Buffer (m):**

1000

#### Site Details:

Wealden House/Former EDF Energy Offices  
Lewes Road  
EAST GRINSTEAD  
RH19 3TB

#### Client Details:

MR D Spearman  
Southern Testing  
Keeble House  
Stuart Way  
East Grinstead  
West Sussex  
RH19 4QA

#### Prepared For:

Octagon Developments Ltd



| Report Section and Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Page Number |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| <b>Summary</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -           |
| <p>The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected.</p> <p>For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).</p>                                                                                                                                                                                                                              |             |
| <b>Mining and Natural Cavities Data</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>1</b>    |
| <p>The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities.</p> <p>Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.</p>                                                                                                                                                                                                                                                                                     |             |
| <b>Historical Land Use Information (1:2,500)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>8</b>    |
| <p>The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative.</p> <p>For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.</p> |             |
| <b>Historical Land Use Information (1:10,000)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>9</b>    |
| <p>The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses.</p> <p>For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.</p>                                                                                                                                                                       |             |
| <b>Ground Stability Data (1:50,000)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>10</b>   |
| <p>The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.</p>                                                                                                                                                                                                                                                                                         |             |
| <b>Historical Map List</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>11</b>   |
| <p>The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |
| <b>Data Currency</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>12</b>   |
| <b>Data Suppliers</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>13</b>   |
| <b>Useful Contacts</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>14</b>   |

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The brine subsidence data relating to the Droitwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

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| Data Type                                                            | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m |
|----------------------------------------------------------------------|-------------|---------|-----------|-------------|--------------|
| <b>Mining and Natural Cavities Data</b>                              |             |         |           |             |              |
| BGS Recorded Mineral Sites                                           | pg 1        |         | 1         | 1           | 33           |
| Coal Mining Affected Areas                                           |             |         | n/a       | n/a         | n/a          |
| Man Made Mining Cavities                                             |             |         |           |             |              |
| Mining Instability                                                   |             |         | n/a       | n/a         | n/a          |
| Natural Cavities                                                     | pg 6        |         |           |             | 2            |
| Non Coal Mining Areas of Great Britain                               | pg 7        |         | Yes       | n/a         | n/a          |
| Potential Mining Areas                                               |             |         |           |             |              |
| <b>Historical Land Use Information (1:2,500)</b>                     |             |         |           |             |              |
| Extractive Industries or Potential Excavations from 1855-1909 (100m) |             |         |           | n/a         | n/a          |
| Extractive Industries or Potential Excavations from 1893-1915 (100m) |             |         |           | n/a         | n/a          |
| Extractive Industries or Potential Excavations from 1906-1937 (100m) |             |         |           | n/a         | n/a          |
| Extractive Industries or Potential Excavations from 1924-1949 (100m) |             |         |           | n/a         | n/a          |
| Extractive Industries or Potential Excavations from 1950-1980 (100m) | pg 8        |         | 1         | n/a         | n/a          |
| Subterranean Features (100m)                                         |             |         |           | n/a         | n/a          |
| <b>Historical Land Use Information (1:10,000)</b>                    |             |         |           |             |              |
| Air Shafts                                                           |             |         |           |             |              |
| Disturbed Ground                                                     |             |         |           |             |              |
| General Quarrying                                                    | pg 9        |         | 1         |             | 1            |
| Heap, unknown constituents                                           |             |         |           |             |              |
| Mineral Railway                                                      |             |         |           |             |              |
| Mining & quarrying general                                           |             |         |           |             |              |
| Mining of coal & lignite                                             |             |         |           |             |              |
| Quarrying of sand & clay, operation of sand & gravel pits            | pg 9        |         |           |             | 1            |
| Former Marshes                                                       |             |         |           |             |              |
| Potentially Infilled Land (Non-Water)                                | pg 9        |         | 1         |             |              |
| Potentially Infilled Land (Water)                                    | pg 9        |         |           |             | 3            |
| <b>Ground Stability Data (1:50,000)</b>                              |             |         |           |             |              |
| CBSCB Compensation District                                          |             |         | n/a       | n/a         | n/a          |
| Brine Pumping Related Features                                       |             |         |           |             |              |
| Brine Subsidence Solution Area                                       |             |         |           |             |              |
| Potential for Collapsible Ground Stability Hazards                   | pg 10       | Yes     |           | n/a         | n/a          |
| Potential for Compressible Ground Stability Hazards                  | pg 10       | Yes     |           | n/a         | n/a          |
| Potential for Ground Dissolution Stability Hazards                   | pg 10       | Yes     |           | n/a         | n/a          |
| Potential for Landslide Ground Stability Hazards                     | pg 10       | Yes     | Yes       | n/a         | n/a          |
| Potential for Running Sand Ground Stability Hazards                  | pg 10       | Yes     |           | n/a         | n/a          |
| Potential for Shrinking or Swelling Clay Ground Stability Hazards    | pg 10       | Yes     | Yes       | n/a         | n/a          |
| Salt Mining Related Features                                         |             |         |           |             |              |

Report Version v53.0



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
| 1      | <b>BGS Recorded Mineral Sites</b><br>Site Name: Luxford'S Wood<br>Location: Ashurst Wood, East Grinstead, Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 150531<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Lower Tunbridge Wells Sand<br>Commodity: Sandstone<br>Positional Accuracy: Located by supplier to within 10m                           | A13SW (W)                              | 153                          | 1       | 541005 136867 |
| 2      | <b>BGS Recorded Mineral Sites</b><br>Site Name: Ashurst Wood<br>Location: Ashurst Wood, East Grinstead, Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 150530<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Lower Tunbridge Wells Sand<br>Commodity: Sandstone<br>Positional Accuracy: Located by supplier to within 10m                             | A14SW (E)                              | 500                          | 1       | 541764 136778 |
| 3      | <b>BGS Recorded Mineral Sites</b><br>Site Name: Fowl Wood Sand Pit<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 150526<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Lower Tunbridge Wells Sand<br>Commodity: Sand<br>Positional Accuracy: Located by supplier to within 10m                       | A18NE (N)                              | 595                          | 1       | 541247 137581 |
| 4      | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127107<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A9SW (SE)                              | 801                          | 1       | 541666 136104 |
| 4      | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127108<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A9SW (SE)                              | 818                          | 1       | 541664 136084 |
| 4      | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127109<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A9SW (SE)                              | 834                          | 1       | 541661 136063 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
| 5      | <b>BGS Recorded Mineral Sites</b><br>Site Name: Minepit Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127088<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A8SW (S)                               | 843                          | 1       | 541007 135986 |
| 5      | <b>BGS Recorded Mineral Sites</b><br>Site Name: Minepit Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127089<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A8SW (S)                               | 851                          | 1       | 541018 135974 |
| 5      | <b>BGS Recorded Mineral Sites</b><br>Site Name: Minepit Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127087<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A8SW (S)                               | 874                          | 1       | 540981 135961 |
| 6      | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127106<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m    | A8SE (S)                               | 857                          | 1       | 541399 135948 |
| 6      | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127105<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m    | A8SE (S)                               | 878                          | 1       | 541394 135926 |
| 7      | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127101<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m    | A8SE (S)                               | 858                          | 1       | 541341 135939 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
| 7      | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127103<br>Type: Underground<br><b>Status:</b> Ceased<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A8SE (S)                               | 861                          | 1       | 541371 135940 |
| 7      | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127100<br>Type: Underground<br><b>Status:</b> Ceased<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A8SE (S)                               | 863                          | 1       | 541324 135933 |
| 7      | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127102<br>Type: Underground<br><b>Status:</b> Ceased<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A8SE (S)                               | 873                          | 1       | 541358 135926 |
| 7      | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127104<br>Type: Underground<br><b>Status:</b> Ceased<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A8SE (S)                               | 874                          | 1       | 541371 135927 |
| 8      | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127099<br>Type: Underground<br><b>Status:</b> Ceased<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A8SE (S)                               | 863                          | 1       | 541293 135931 |
| 8      | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127098<br>Type: Underground<br><b>Status:</b> Ceased<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A8SE (S)                               | 866                          | 1       | 541272 135927 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
| 8      | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127097<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m    | A8SE (S)                               | 883                          | 1       | 541264 135910 |
| 9      | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127094<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m    | A8SW (S)                               | 872                          | 1       | 541214 135922 |
| 9      | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127096<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m    | A8SE (S)                               | 879                          | 1       | 541242 135914 |
| 9      | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127095<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m    | A8SE (S)                               | 885                          | 1       | 541228 135908 |
| 10     | <b>BGS Recorded Mineral Sites</b><br>Site Name: Minepit Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127086<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A8SW (S)                               | 879                          | 1       | 540945 135968 |
| 10     | <b>BGS Recorded Mineral Sites</b><br>Site Name: Minepit Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127085<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A8SW (S)                               | 882                          | 1       | 540906 135980 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|------------------|
| 11     | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127110<br>Type: Underground<br><b>Status:</b> Ceased<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m    | A9SW (SE)                              | 880                          | 1       | 541668<br>136015 |
| 12     | <b>BGS Recorded Mineral Sites</b><br>Site Name: Minepit Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127083<br>Type: Underground<br><b>Status:</b> Ceased<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A7SE (SW)                              | 883                          | 1       | 540855<br>136000 |
| 12     | <b>BGS Recorded Mineral Sites</b><br>Site Name: Minepit Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127084<br>Type: Underground<br><b>Status:</b> Ceased<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A7SE (S)                               | 890                          | 1       | 540876<br>135984 |
| 13     | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127111<br>Type: Underground<br><b>Status:</b> Ceased<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m    | A9SW (SE)                              | 930                          | 1       | 541665<br>135957 |
| 13     | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127112<br>Type: Underground<br><b>Status:</b> Ceased<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m    | A9SW (SE)                              | 954                          | 1       | 541656<br>135927 |
| 13     | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127113<br>Type: Underground<br><b>Status:</b> Ceased<br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m    | A9SW (SE)                              | 971                          | 1       | 541681<br>135920 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|------------------|
| 14     | <b>BGS Recorded Mineral Sites</b><br>Site Name: Minepit Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127092<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A3NW (S)                               | 941                          | 1       | 541115<br>135862 |
| 14     | <b>BGS Recorded Mineral Sites</b><br>Site Name: Minepit Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127091<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A3NW (S)                               | 945                          | 1       | 541084<br>135863 |
| 14     | <b>BGS Recorded Mineral Sites</b><br>Site Name: Minepit Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127090<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A3NW (S)                               | 946                          | 1       | 541067<br>135865 |
| 14     | <b>BGS Recorded Mineral Sites</b><br>Site Name: Minepit Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127093<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A3NW (S)                               | 957                          | 1       | 541092<br>135849 |
| 15     | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127114<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m    | A9SW (SE)                              | 987                          | 1       | 541702<br>135912 |
|        | <b>Coal Mining Affected Areas</b><br>In an area which may not be affected by coal mining                                                                                                                                                                                                                                                                                                                                                                                                                           |                                        |                              |         |                  |
|        | <b>Natural Cavities</b><br>Cavity Type: Gulls/Fissures due to Cambering<br>Solid Geology Detail: Tunbridge Wells Sand Formation, Wadhurst Clay Formation<br>Superficial Geology: No Details<br>Detail:                                                                                                                                                                                                                                                                                                             | A9NE (SE)                              | 892                          | 3       | 542000<br>136300 |
|        | <b>Natural Cavities</b><br>Cavity Type: Gulls/Fissures due to Cambering<br>Solid Geology Detail: Tunbridge Wells Sand Formation, Wadhurst Clay Formation<br>Superficial Geology: No Details<br>Detail:                                                                                                                                                                                                                                                                                                             | A9NE (SE)                              | 892                          | 3       | 542000<br>136300 |



| Map ID | Details                                                                                                                                              | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|------------------|
|        | <b>Non Coal Mining Areas of Great Britain</b><br>Risk: Highly Unlikely<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (S)                              | 117                          | 1       | 541191<br>136690 |

| Map ID | Details                                                                                                                                                                             | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|------------------|
| 16     | <b>Extractive Industries or Potential Excavations from 1950-1980</b><br>Use: Unspecified Deposited Material<br>First Map Published 1965<br>Date:<br>Last Map Published N/A<br>Date: | A13NW (NW)                             | 25                           | -       | 541182<br>136961 |

| Map ID | Details                                                                                                                                | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
|--------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|------------------|
| 17     | <b>General Quarrying</b><br>Use: Not Supplied<br>Date of Mapping: 1899                                                                 | A13SW (W)                              | 149                          | -       | 541009<br>136862 |
| 18     | <b>General Quarrying</b><br>Use: Not Supplied<br>Date of Mapping: 1899                                                                 | A14SW (E)                              | 505                          | -       | 541768<br>136774 |
| 19     | <b>Quarrying of sand &amp; clay, operation of sand &amp; gravel pits</b><br>Use: Not Supplied<br>Date of Mapping: 1899                 | A18NE (N)                              | 591                          | -       | 541253<br>137577 |
| 20     | <b>Potentially Infilled Land (Non-Water)</b><br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1980                  | A13SW (W)                              | 149                          | -       | 541009<br>136862 |
| 21     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1961 | A14SE (E)                              | 709                          | -       | 541990<br>136881 |
| 22     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1961 | A17NE (NW)                             | 788                          | -       | 540795<br>137635 |
| 23     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1961 | A14NE (E)                              | 897                          | -       | 542169<br>137092 |



| Map ID | Details                                                                                                                                                                               | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
|        | <b>CBSCB Compensation District</b><br>The site does not fall within the brine compensation area.                                                                                      |                                        |                              |         |               |
|        | <b>Brine Subsidence Solution Area</b><br>The site does not fall within the brine subsidence solution area.                                                                            |                                        |                              |         |               |
| 24     | <b>Potential for Collapsible Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                 | A13SE (SW)                             | 0                            | 1       | 541231 136886 |
|        | <b>Potential for Compressible Ground Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service               | A13SE (SW)                             | 0                            | 1       | 541231 136886 |
|        | <b>Potential for Ground Dissolution Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service                | A13SE (SW)                             | 0                            | 1       | 541231 136886 |
| 25     | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                   | A13SE (SW)                             | 0                            | 1       | 541231 136886 |
| 26     | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service                        | A13NE (NE)                             | 98                           | 1       | 541380 136964 |
| 27     | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Moderate<br>Source: British Geological Survey, National Geoscience Information Service                   | A13SW (S)                              | 117                          | 1       | 541191 136690 |
| 28     | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service                        | A13SW (S)                              | 119                          | 1       | 541182 136692 |
| 29     | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Moderate<br>Source: British Geological Survey, National Geoscience Information Service                   | A13SW (S)                              | 191                          | 1       | 541151 136626 |
| 30     | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Moderate<br>Source: British Geological Survey, National Geoscience Information Service                   | A13SW (SW)                             | 221                          | 1       | 541023 136675 |
| 31     | <b>Potential for Running Sand Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                | A13SE (SW)                             | 0                            | 1       | 541231 136886 |
|        | <b>Potential for Running Sand Ground Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service               | A13NE (N)                              | 0                            | 1       | 541253 136968 |
| 32     | <b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service  | A13NE (N)                              | 0                            | 1       | 541253 136968 |
| 33     | <b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b><br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service       | A13SW (S)                              | 117                          | 1       | 541191 136690 |
|        | <b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A13SE (SW)                             | 0                            | 1       | 541231 136886 |

The following mapping has been analysed for Historical Land Use Information (1:2,500):

| 1:2,500              | Mapsheet | Published Date |
|----------------------|----------|----------------|
| Ordnance Survey Plan | TQ4037   | 1964           |
| Ordnance Survey Plan | TQ4137   | 1964           |
| Ordnance Survey Plan | TQ4036   | 1965           |
| Ordnance Survey Plan | TQ4136   | 1965           |

The following mapping has been analysed for Historical Land Use Information (1:10,000):

| 1:10,560             | Mapsheet | Published Date |
|----------------------|----------|----------------|
| Sussex               | 005_00   | 1878           |
| Surrey               | 043_00   | 1878           |
| Kent                 | 059_00   | 1878           |
| Sussex               | 005_NW   | 1899           |
| Sussex               | 005_SW   | 1899           |
| Surrey               | 043_SW   | 1899           |
| Kent                 | 059_SW   | 1899           |
| Kent                 | 059_SW   | 1910           |
| Sussex               | 005_NW   | 1911           |
| Sussex               | 005_SW   | 1911           |
| Surrey               | 043_SW   | 1915           |
| Sussex               | 005_SW   | 1938           |
| Kent                 | 059_SW   | 1947           |
| Sussex               | 005_NW   | 1950           |
| Ordnance Survey Plan | TQ43NW   | 1961           |
| Ordnance Survey Plan | TQ33NE   | 1963           |
| 1:10,000             | Mapsheet | Published Date |
| Ordnance Survey Plan | TQ33NE   | 1978           |
| Ordnance Survey Plan | TQ43NW   | 1980           |

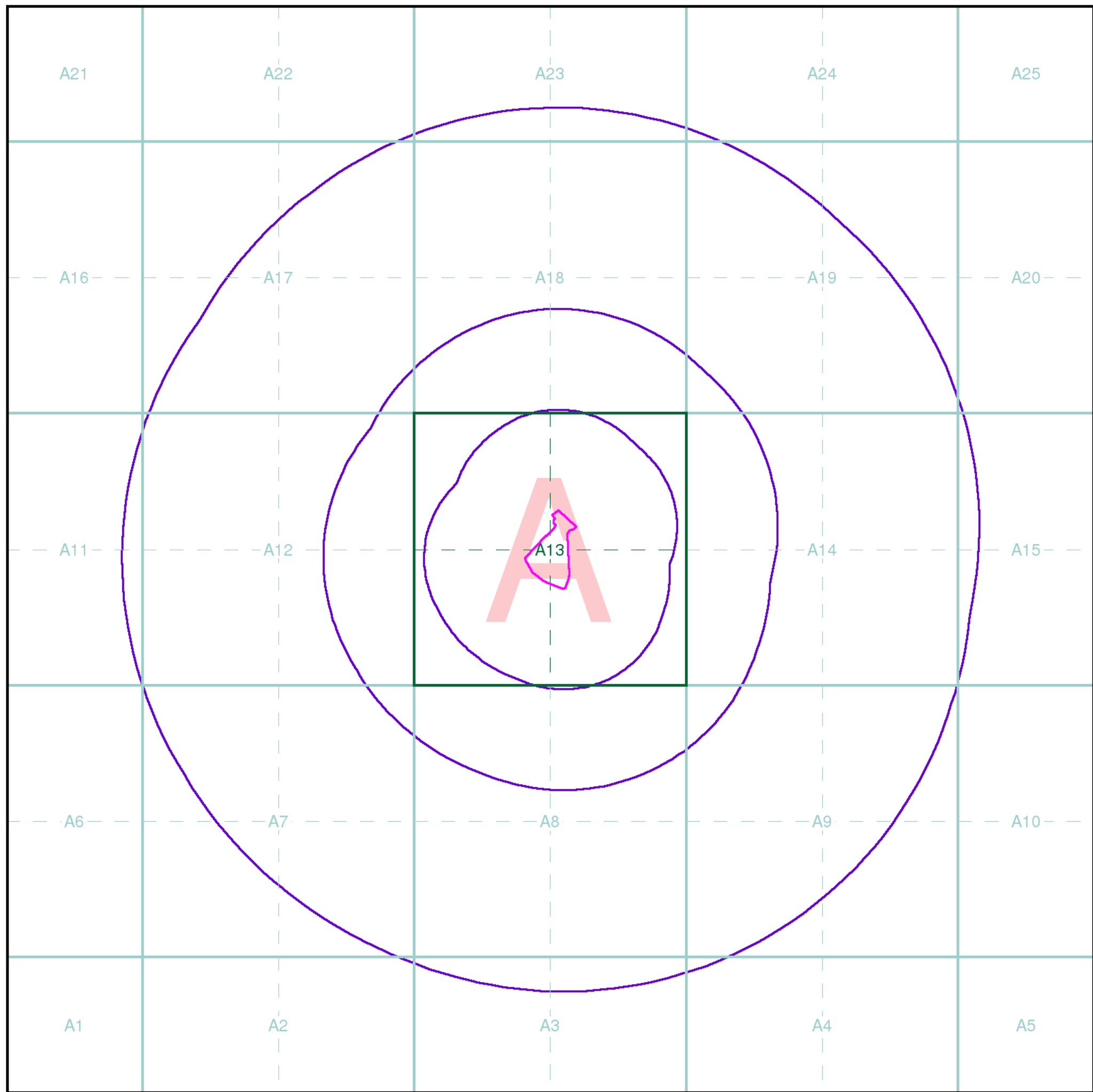
| <b>Mining and Cavities Data</b>                                                                                                                    | <b>Version</b>               | <b>Update Cycle</b>   |
|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|
| <b>BGS Recorded Mineral Sites</b><br>British Geological Survey - National Geoscience Information Service                                           | January 2024                 | Bi-Annually           |
| <b>Coal Mining Affected Areas</b><br>The Coal Authority - Property Searches                                                                        | February 2023                | Annual Rolling Update |
| <b>Man Made Mining Cavities</b><br>Stantec UK Ltd                                                                                                  | December 2023                | Bi-Annually           |
| <b>Mining Instability</b><br>Ove Arup & Partners                                                                                                   | June 1998                    | Not Applicable        |
| <b>Natural Cavities</b><br>Stantec UK Ltd                                                                                                          | December 2023                | Bi-Annually           |
| <b>Non Coal Mining Areas of Great Britain</b><br>British Geological Survey - National Geoscience Information Service                               | May 2015                     | Not Applicable        |
| <b>Historical Land Use Information (1:2,500)</b>                                                                                                   | <b>Version</b>               | <b>Update Cycle</b>   |
| <b>Subterranean Features</b><br>Landmark Information Group Limited                                                                                 | July 2023                    | Bi-Annually           |
| <b>Ground Stability Data (1:50,000)</b>                                                                                                            | <b>Version</b>               | <b>Update Cycle</b>   |
| <b>CBSCB Compensation District</b><br>Cheshire Brine Subsidence Compensation Board (CBSCB)<br>Cheshire Brine Subsidence Compensation Board (CBSCB) | August 2011<br>November 2020 | As notified           |
| <b>Potential for Collapsible Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                   | April 2020                   | As notified           |
| <b>Potential for Compressible Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                  | January 2019                 | As notified           |
| <b>Potential for Ground Dissolution Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                   | January 2019                 | As notified           |
| <b>Potential for Landslide Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                     | January 2019                 | As notified           |
| <b>Potential for Running Sand Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                  | January 2019                 | As notified           |
| <b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service    | January 2019                 | As notified           |
| <b>Brine Subsidence Solution Area</b><br>Johnson Poole & Bloomer                                                                                   | December 2020                |                       |



A selection of organisations who provide data within this report

| Data Supplier             | Data Supplier Logo                                                                                                                                           |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ordnance Survey           |                                                                           |
| British Geological Survey |  <b>British Geological Survey</b><br>NATURAL ENVIRONMENT RESEARCH COUNCIL |
| The Coal Authority        |                                                                           |
| Ove Arup                  |                                                                           |
| Stantec UK Ltd            |                                                                           |
| Wardell Armstrong         |                                                                           |
| Johnson Poole & Bloomer   |                                                                          |

| Contact | Name and Address                                                                                                                                                  | Contact Details                                                                                                                 |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 1       | <b>British Geological Survey - Enquiry Service</b><br>British Geological Survey, Environmental Science Centre, Keyworth,<br>Nottingham, Nottinghamshire, NG12 5GG | Telephone: 0115 936 3143<br>Fax: 0115 936 3276<br>Email: enquiries@bgs.ac.uk<br>Website: www.bgs.ac.uk                          |
| 2       | <b>Ove Arup &amp; Partners</b><br>Central Square, Forth Street, Newcastle upon Tyne, Tyne and Wear, NE1<br>3PL                                                    | Telephone: 0191 261 6080<br>Fax: 0191 261 7879                                                                                  |
| 3       | <b>Stantec UK Ltd</b><br>Caversham Bridge House, Waterman Place, Reading, RG1 8DN                                                                                 | Telephone: 0118 950 0761<br>Email: pba.reading@stantec.com<br>Website: www.stantec.com                                          |
| -       | <b>Landmark Information Group Limited</b><br>Imperium, Imperial Way, Reading, Berkshire, RG2 0TD                                                                  | Telephone: 0844 844 9952<br>Fax: 0844 844 9951<br>Email: customerservices@landmarkinfo.co.uk<br>Website: www.landmarkinfo.co.uk |



## Index Map

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

### Slice

Each slice represents a 1:10,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline), that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

### Segment

A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

### Quadrant

A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located on plots. Therefore a feature that has a quadrant reference of A7NW will be in Slice A, Segment 7 and the NW Quadrant.

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

## Prepared For

Octagon Developments Ltd

## Client Details

MR D Spearman, Southern Testing, Keeble House, Stuart Way, East Grinstead, West Sussex, RH19 4QA

## Order Details

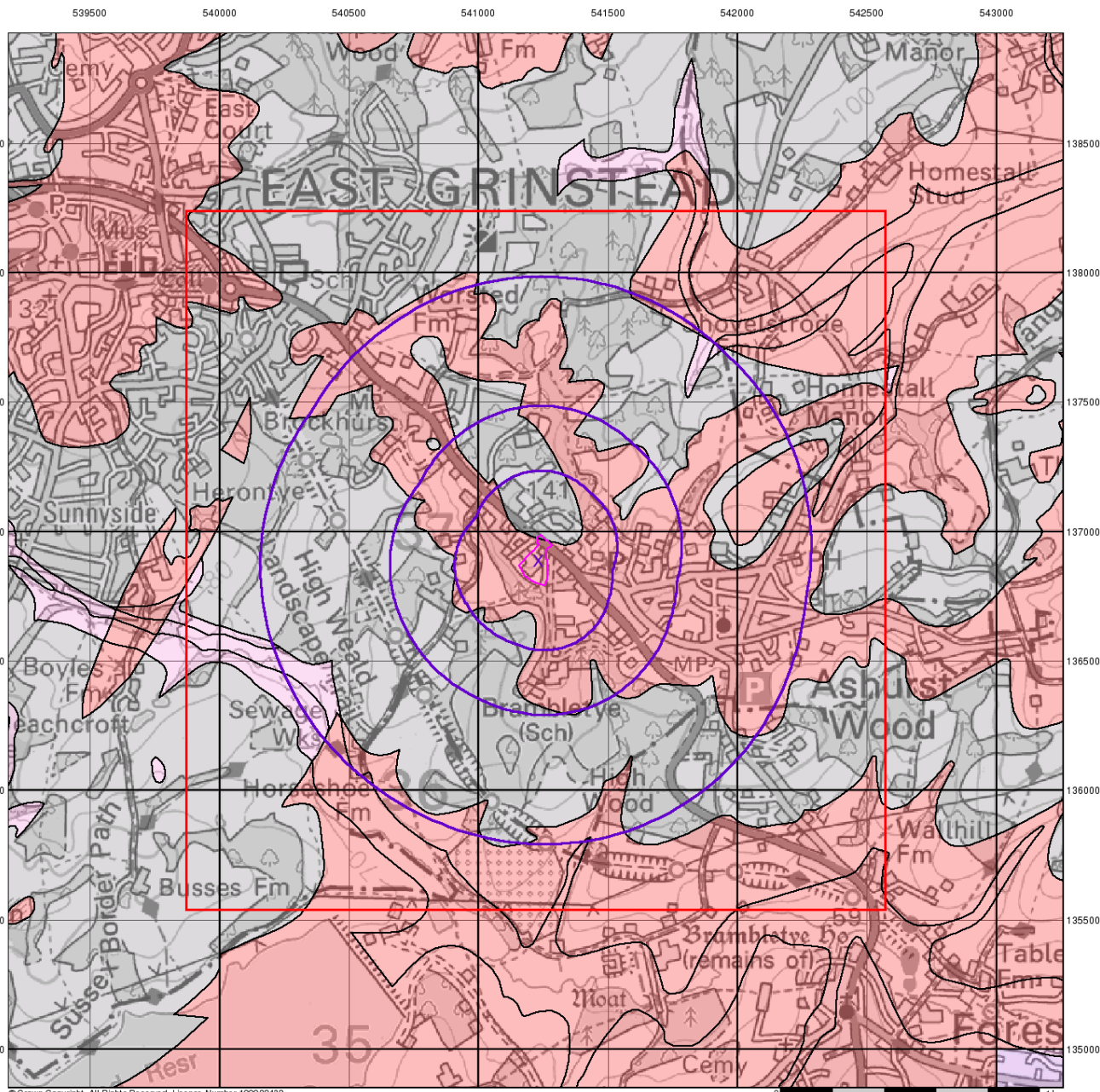
Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136880  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

## Site Details

Wealden House/Former EDF Energy Offices, Lewes Road, EAST GRINSTEAD, RH19 3TB

Full Terms and Conditions can be found on the following link:  
<http://www.landmarkinfo.co.uk/Terms/Show/515>





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## Groundwater Vulnerability

### General

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

### Agency and Hydrological

#### Bedrock Aquifers

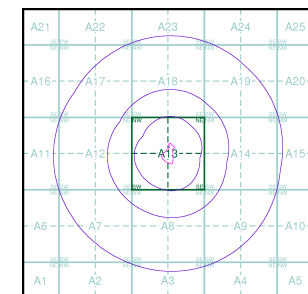
- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

#### Superficial Aquifers

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

- Unproductive Aquifer
- Soluble Rock

### Site Sensitivity Context Map - Slice A

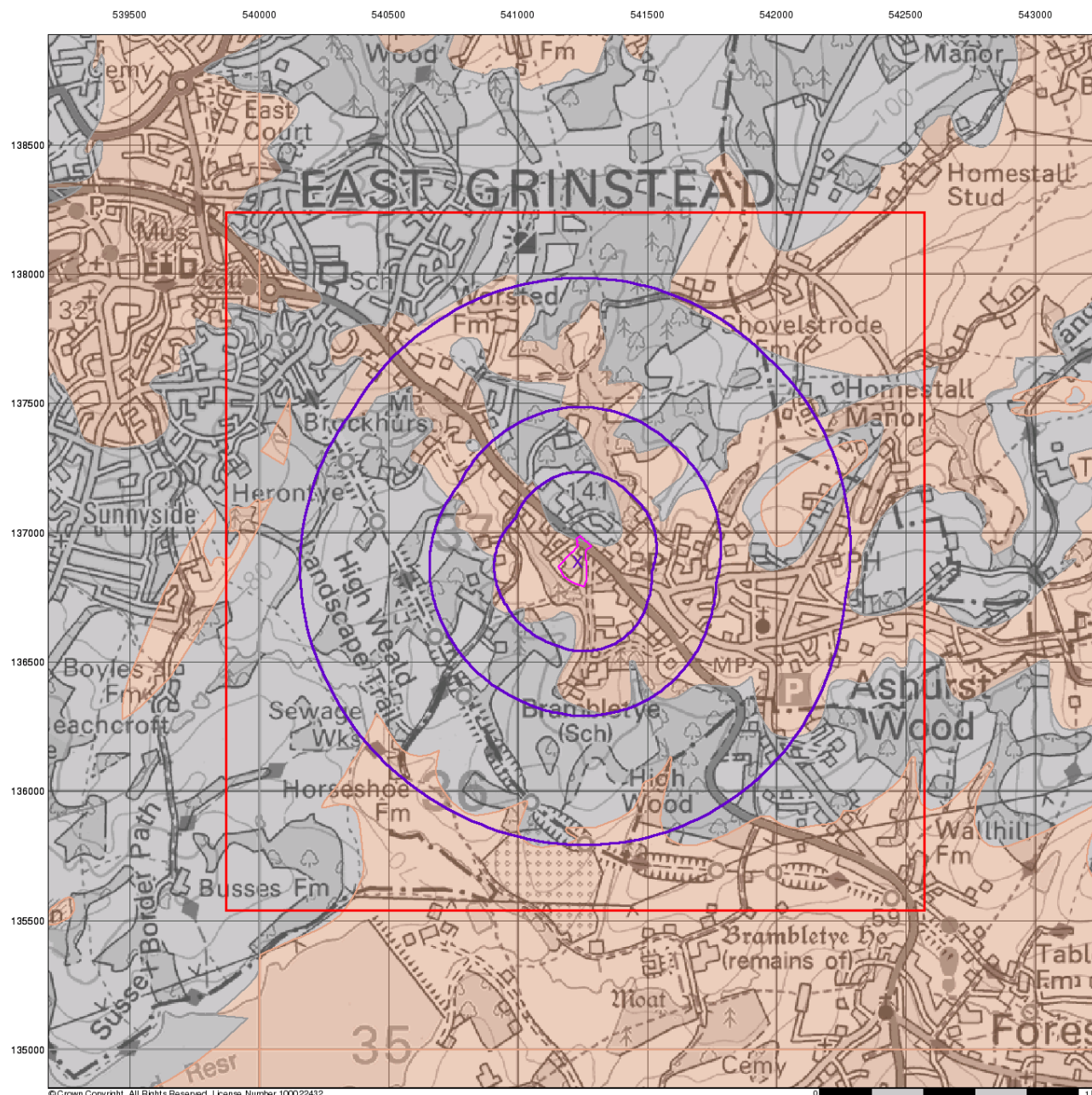


### Order Details

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

### Site Details

Wealden House/Former EDF Energy Offices, Lewes Road, EAST GRINSTEAD, RH19 3TB



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## Bedrock Aquifer Designation

### General

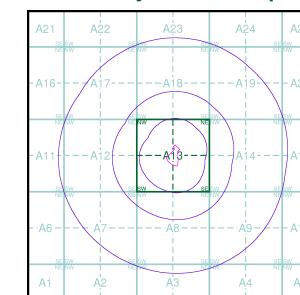
- ◊ Specified Site    ○ Specified Buffer(s)    X Bearing Reference Point
- Slice    B Map ID

### Agency and Hydrological

#### Geological Classes

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

### Site Sensitivity Context Map - Slice A



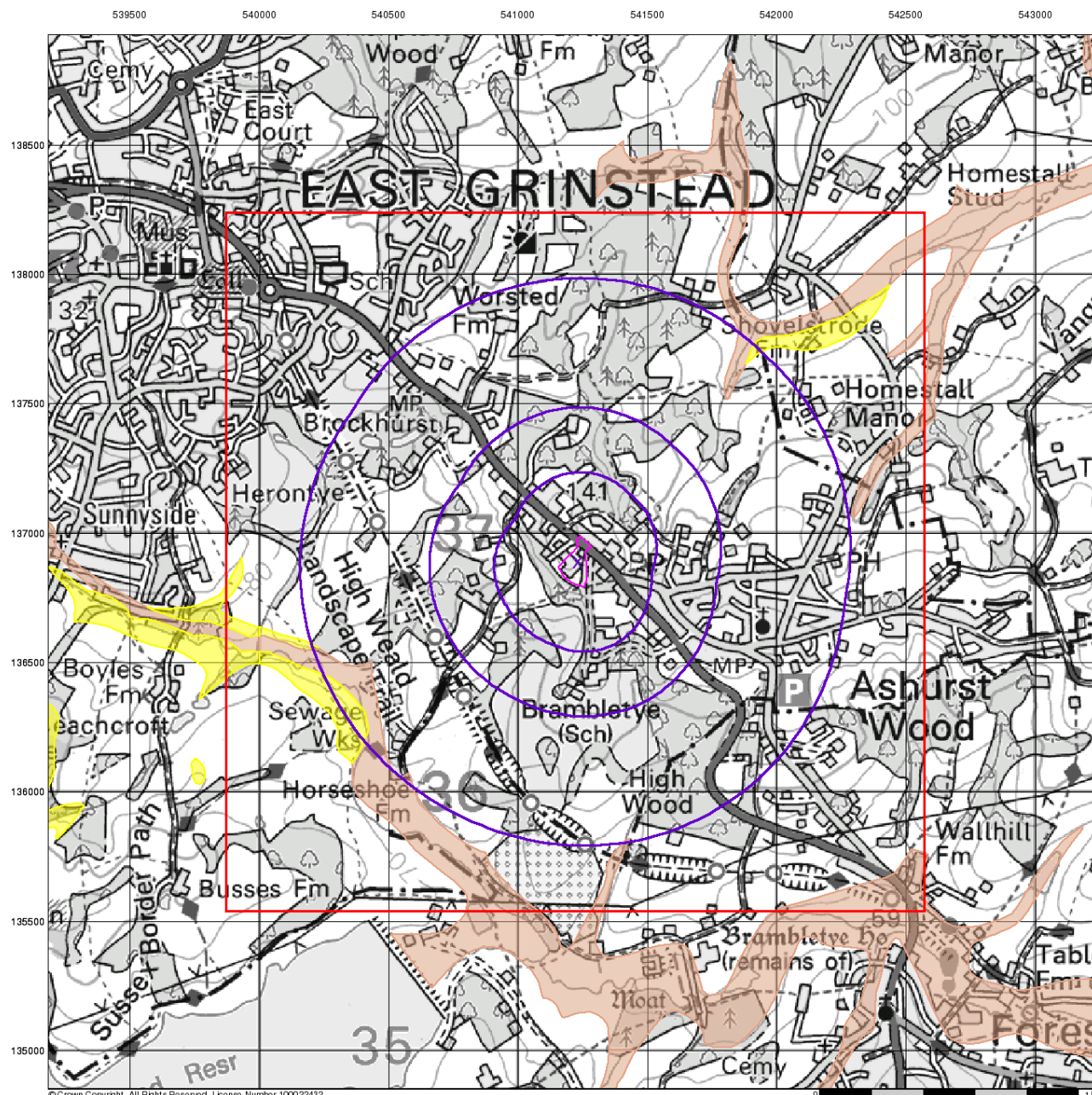
### Order Details

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

### Site Details

Wealden House/Former EDF Energy Offices, Lewes Road, EAST GRINSTEAD, RH19 3TB





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## Superficial Aquifer Designation

### General

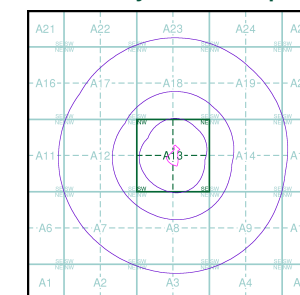
- ◇ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- Ⓜ Map ID

### Agency and Hydrological

#### Geological Classes

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

### Site Sensitivity Context Map - Slice A



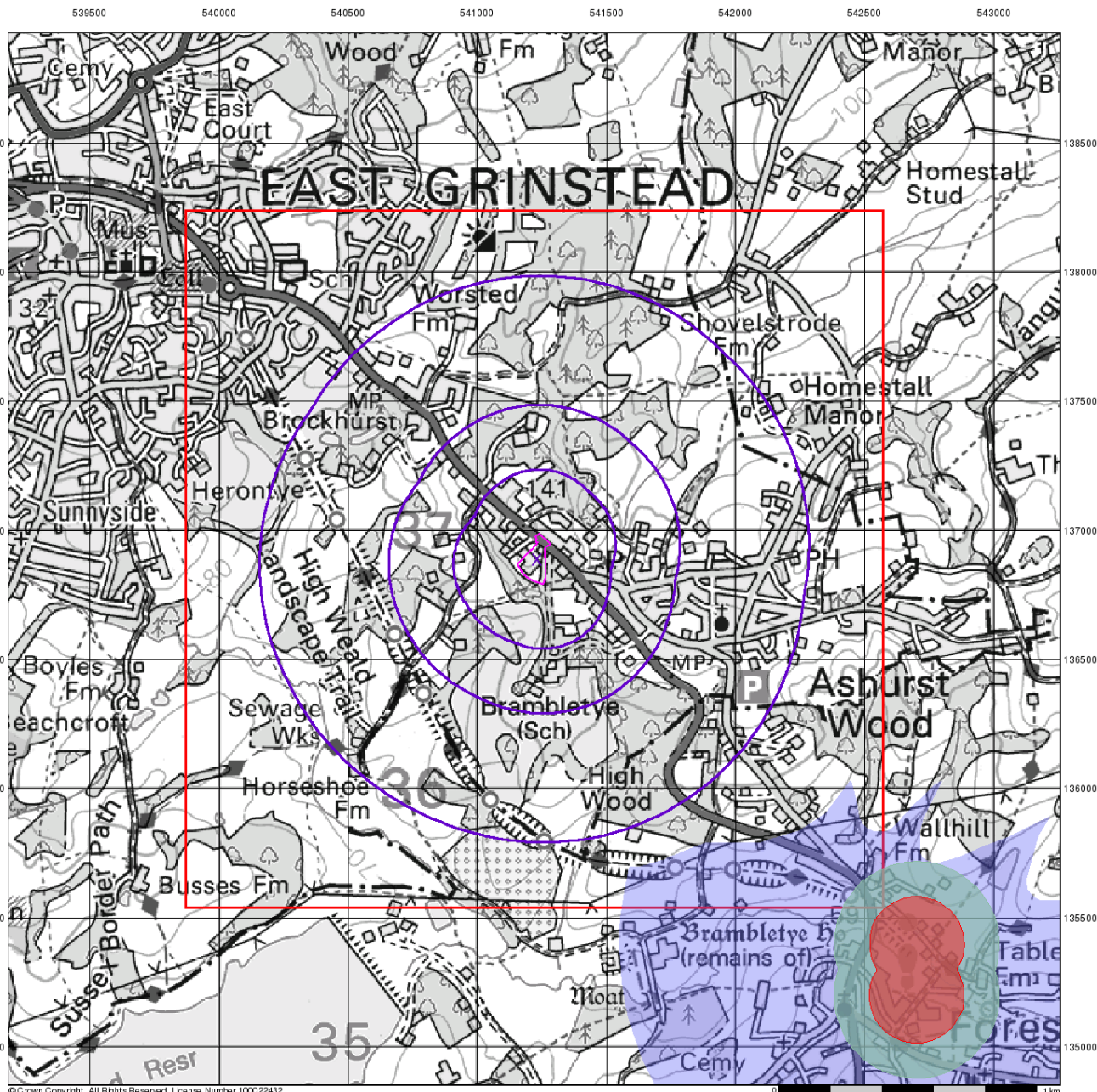
### Order Details

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

### Site Details

Wealden House/Former EDF Energy Offices, Lewes Road, EAST GRINSTEAD, RH19 3TB





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## Source Protection Zones

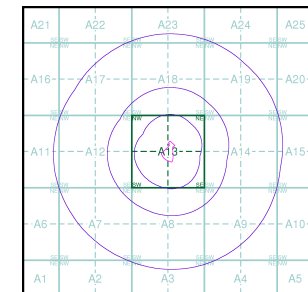
### General

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

### Agency and Hydrological

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

## Site Sensitivity Context Map - Slice A



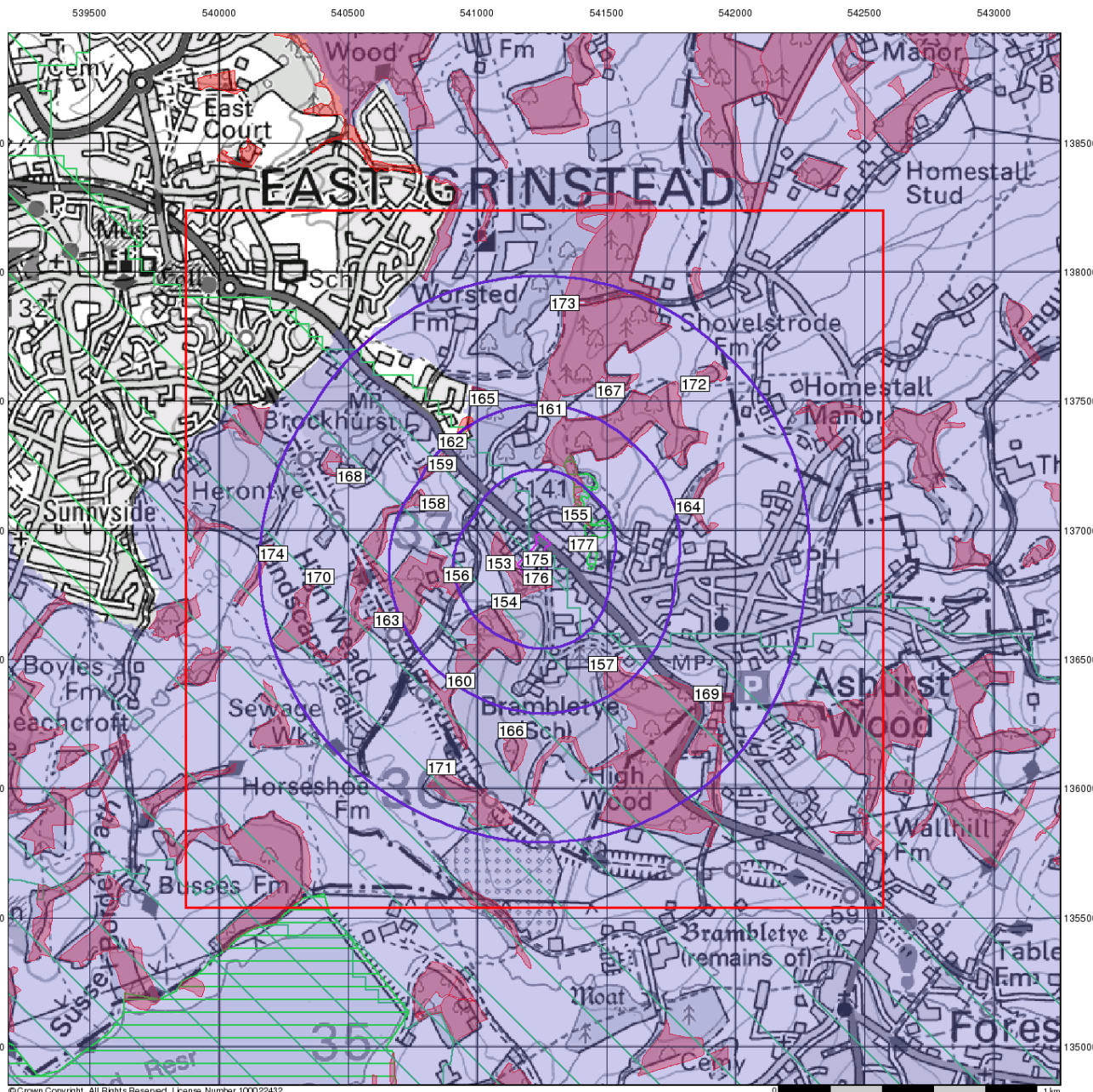
### Order Details

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

### Site Details

Wealden House/Former EDF Energy Offices, Lewes Road, EAST GRINSTEAD, RH19 3TB





## Sensitive Land Uses

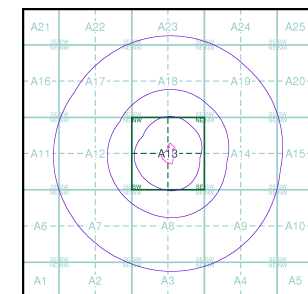
### General

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

### Sensitive Land Uses

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

### Site Sensitivity Context Map - Slice A



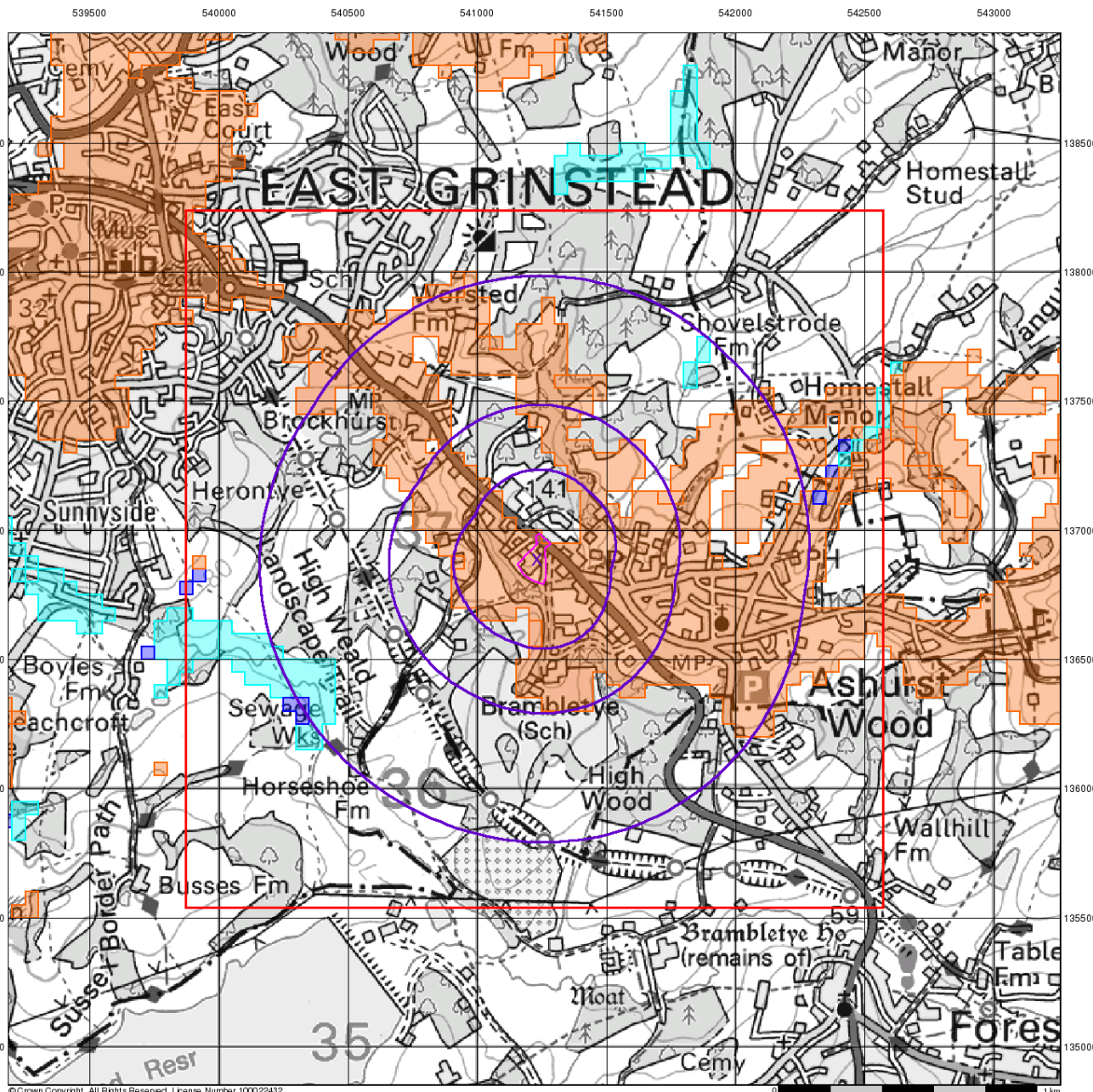
### Order Details

Order Number: 352930749\_1\_1  
 Customer Ref: J15778  
 National Grid Reference: 541230, 136890  
 Slice: A  
 Site Area (Ha): 1.27  
 Search Buffer (m): 1000

### Site Details

Wealden House/Former EDF Energy Offices, Lewes Road, EAST GRINSTEAD, RH19 3TB





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### BGS Flood GFS Data

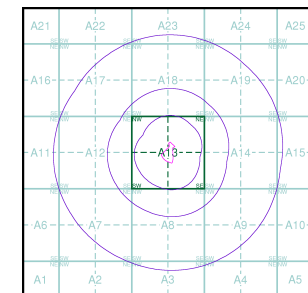
#### General

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

#### Agency and Hydrological (Flood)

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

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

### Site Details

Wealden House/Former EDF Energy Offices, Lewes Road, EAST GRINSTEAD, RH19 3TB



### General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Types at Location
- Pylon
- Overhead Transmission Line

### Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral
- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

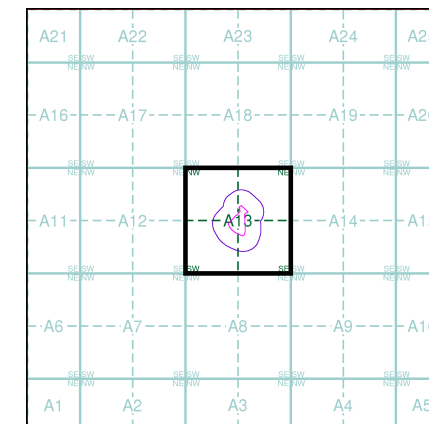
### Hazardous Substances

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

### Geological

- BGS Recorded Mineral Site

### Site Sensitivity Map - Segment A13

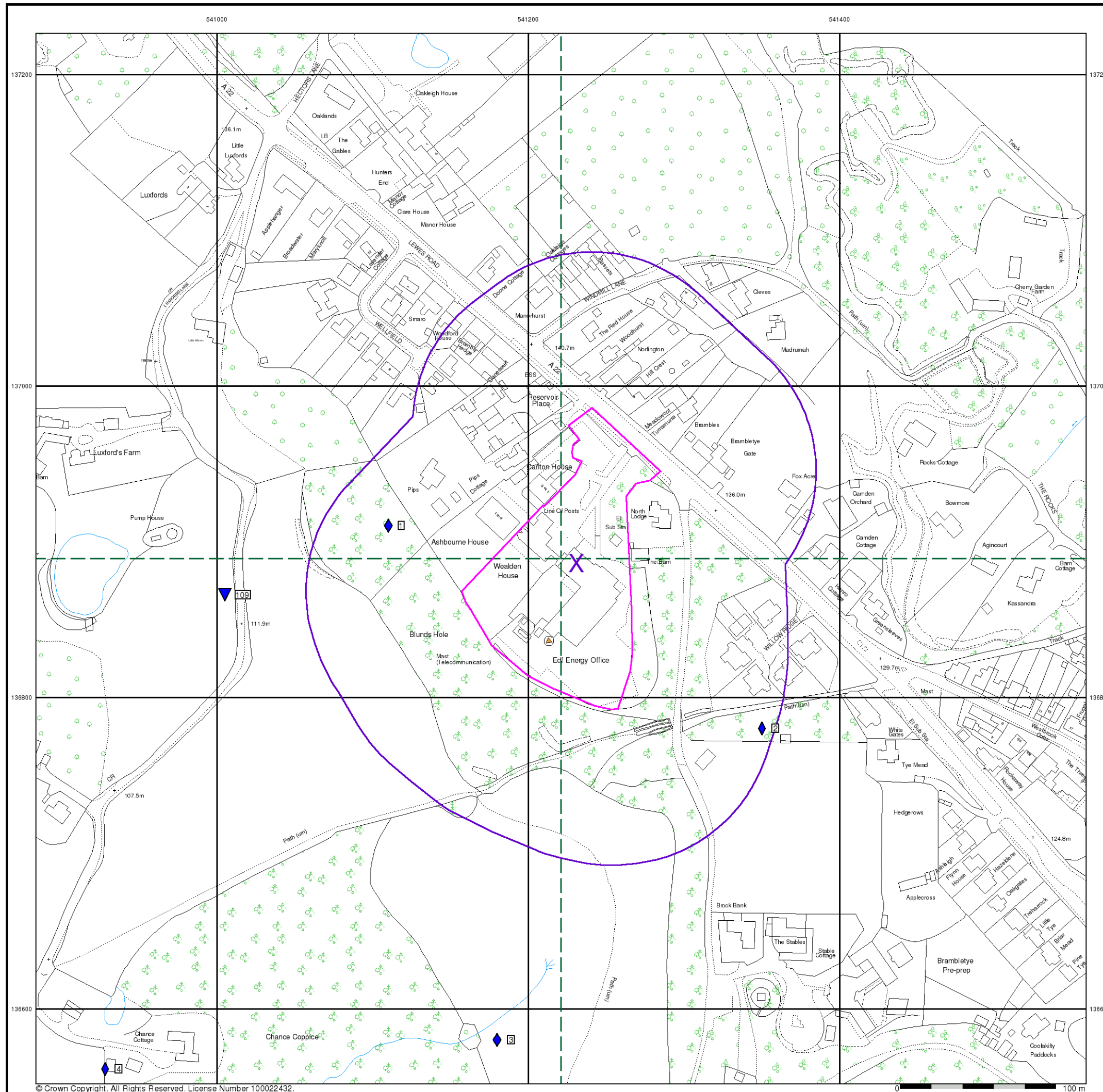


### Order Details

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Plot Buffer (m): 100

### Site Details

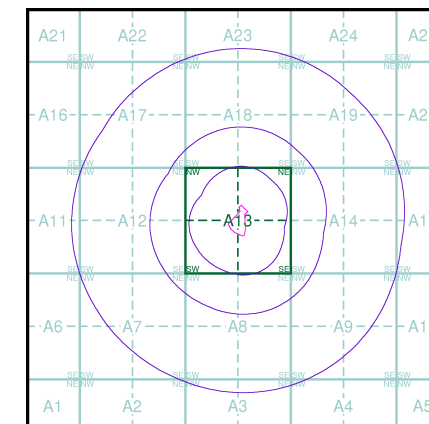
Wealden House/Former EDF Energy Offices, Lewes Road,  
EAST GRINSTEAD, RH19 3TB





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

## Site Sensitivity Map - Slice A



## Order Details

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

## Site Details

Wealden House/Former EDF Energy Offices, Lewes Road,  
EAST GRINSTEAD, RH19 3TB



## Industrial Land Use Map

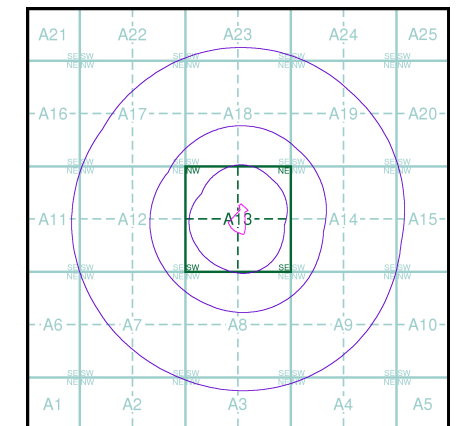
### General

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

### Industrial Land Use

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

## Industrial Land Use Map - Slice A

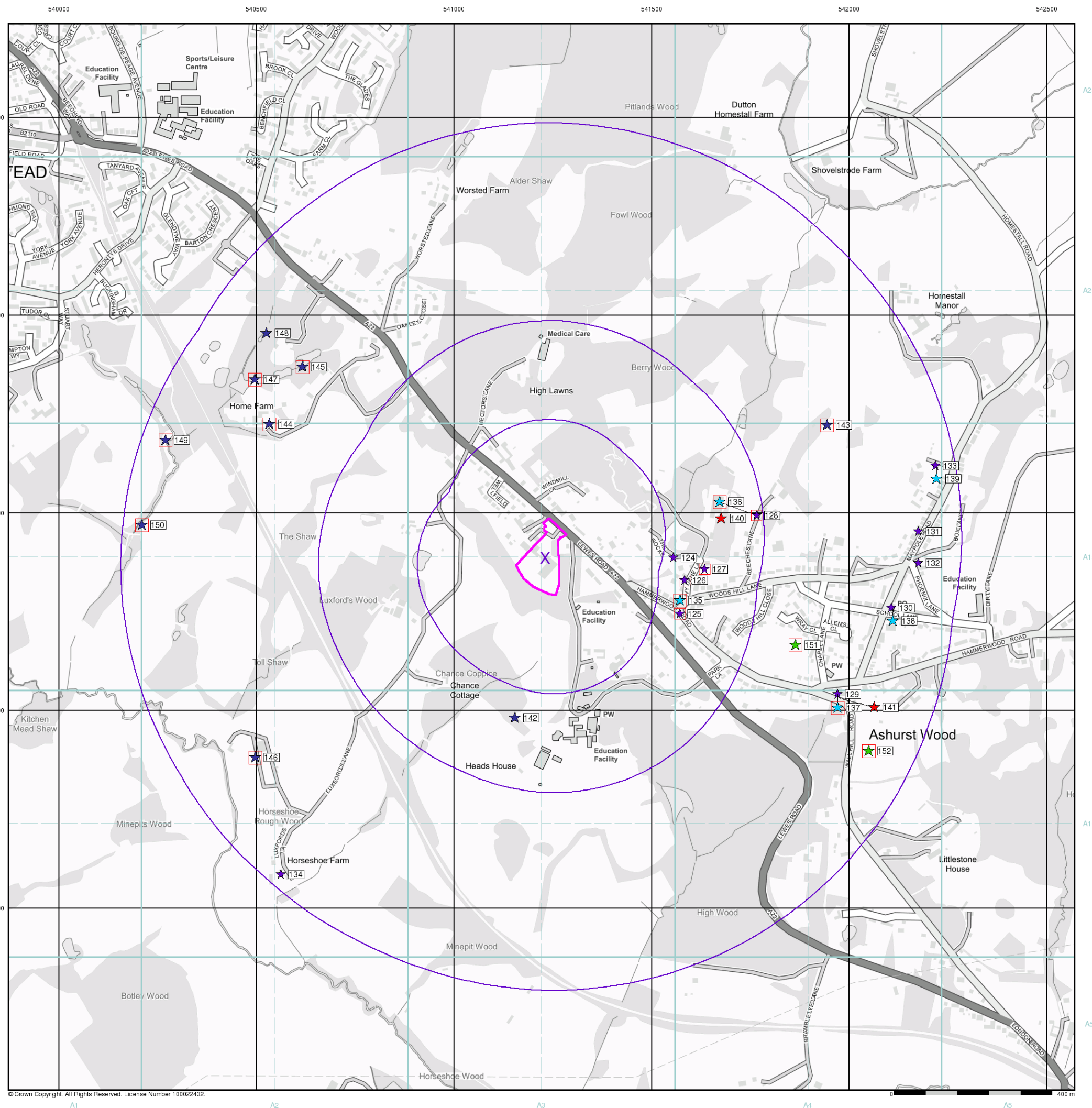


### Order Details

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

### Site Details

Wealden House/Former EDF Energy Offices, Lewes Road,  
EAST GRINSTEAD, RH19 3TB





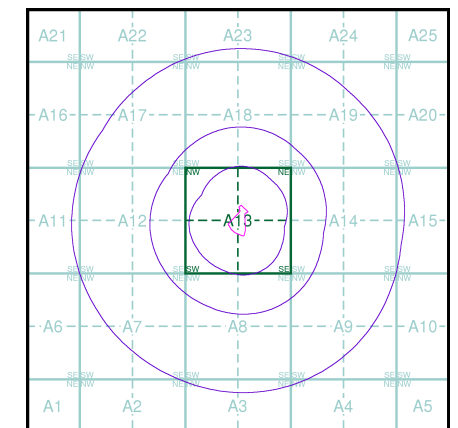
**General**

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

**Agency and Hydrological (Flood)**

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

**Flood Map - Slice A**



**Order Details**

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

**Site Details**

Wealden House/Former EDF Energy Offices, Lewes Road,  
EAST GRINSTEAD, RH19 3TB





### General

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

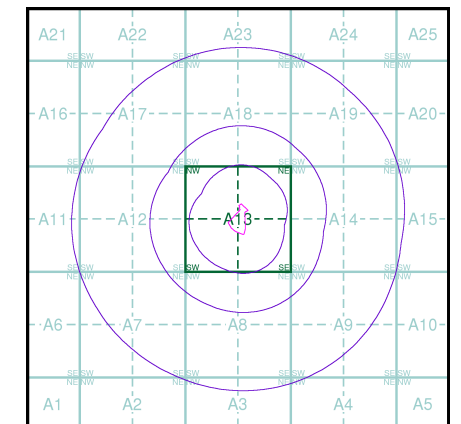
### Agency and Hydrological (Boreholes)

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

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

A copy of the BGS Borehole Ordering Form is available to download from the Support section of [www.envirocheck.co.uk](http://www.envirocheck.co.uk).

### Borehole Map - Slice A

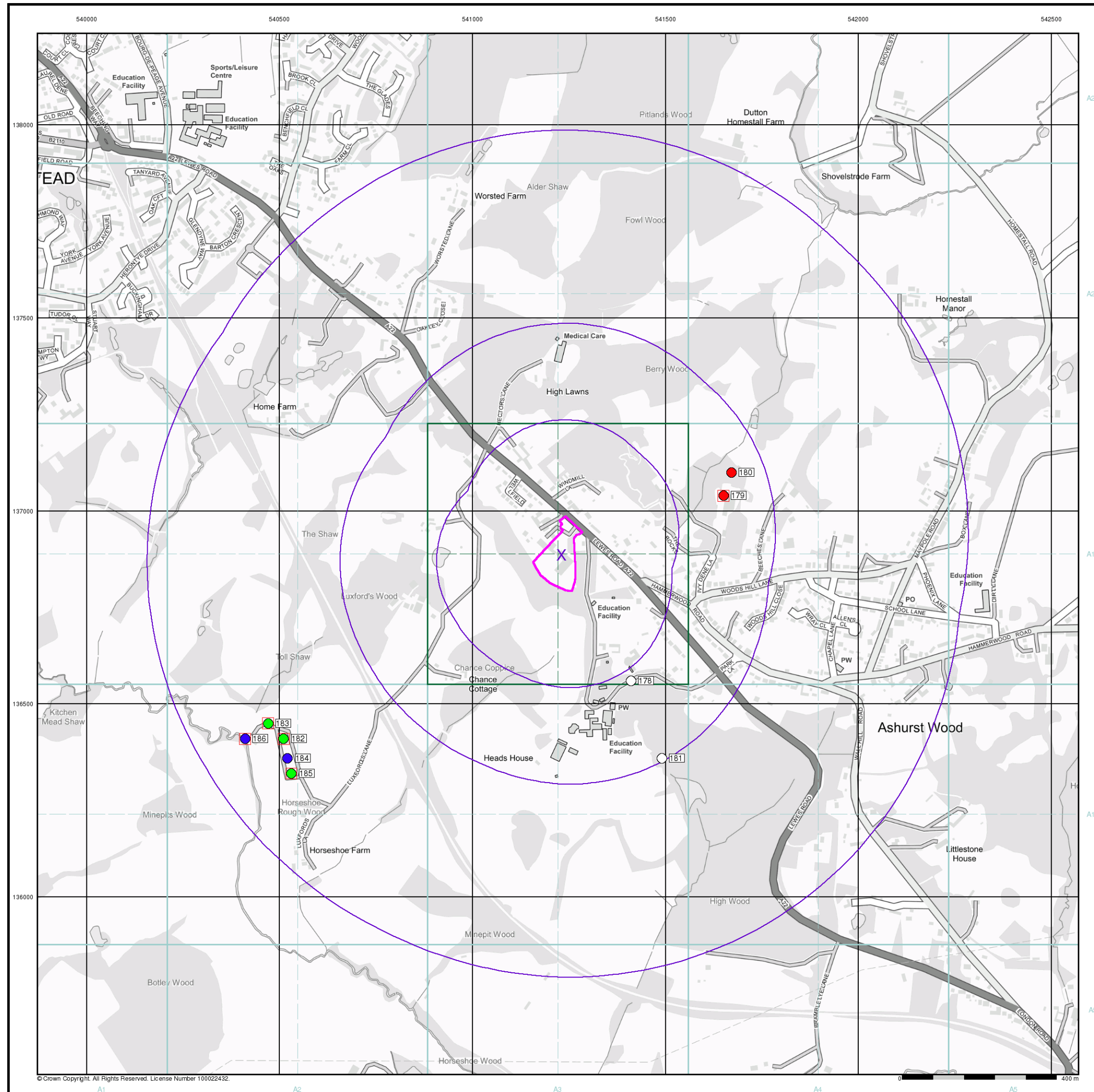


### Order Details

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

### Site Details

Wealden House/Former EDF Energy Offices, Lewes Road,  
EAST GRINSTEAD, RH19 3TB



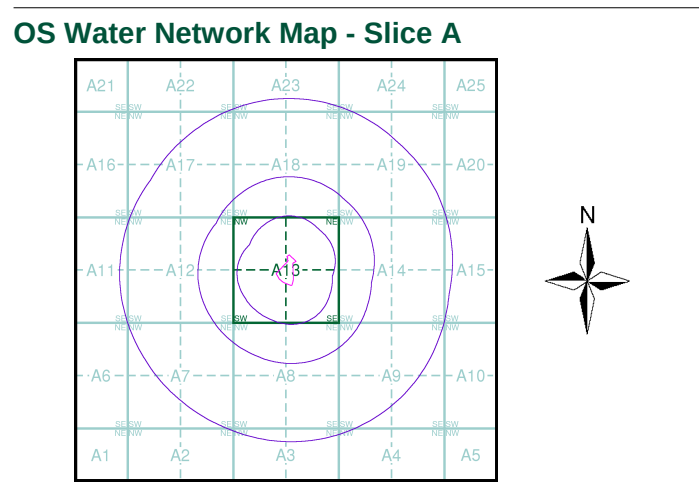




- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point

- OS Water Network Data**
- |              |                         |
|--------------|-------------------------|
| Canal        | Drain                   |
| Reservoir    | Other                   |
| Foreshore    | Lake                    |
| Marsh        | Transfer                |
| Tidal River  | Lock Or Flight Of Locks |
| Inland River | Sea                     |

- Contours (height in meters)**
- Standard Contour 105 MLW Mean Low Water
- Master Contour 100 MHW Mean High Water
- Spot Height 167.3



**Order Details**

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

**Site Details**

Wealden House/Former EDF Energy Offices, Lewes Road,  
EAST GRINSTEAD, RH19 3TB



### General

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

### Risk of Flooding from Surface Water

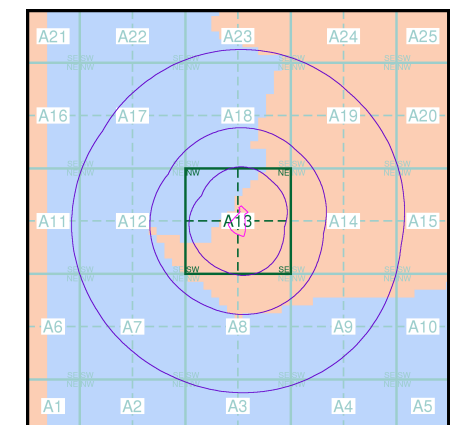
-  High - 30 Year Return
-  Medium - 100 Year Return
-  Low - 1000 Year Return

### Suitability

See the suitability map below

-  National to county
-  County to town
-  Town to street
-  Street to parcels of land
-  Property

### EANRW Suitability Map - Slice A



### Order Details

Order Number: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

### Site Details

Wealden House/Former EDF Energy Offices, Lewes Road,  
EAST GRINSTEAD, RH19 3TB

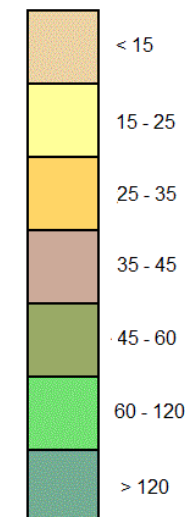


### General

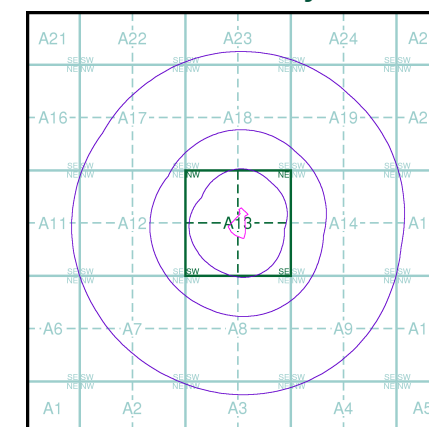
 Specified Site  Specified Buffer(s)  Bearing Reference Point

### Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



### Estimated Soil Chemistry Arsenic - Slice A

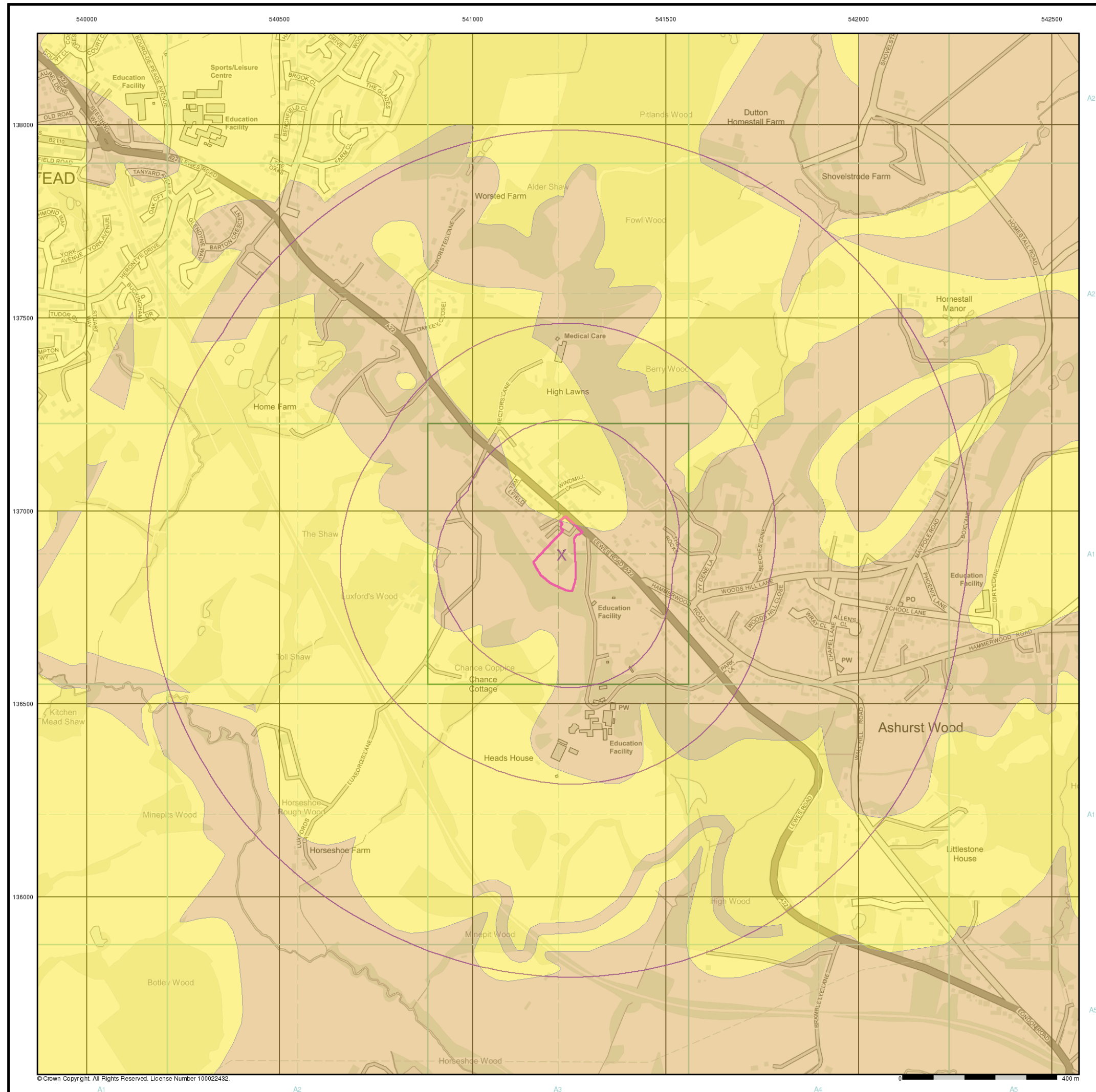


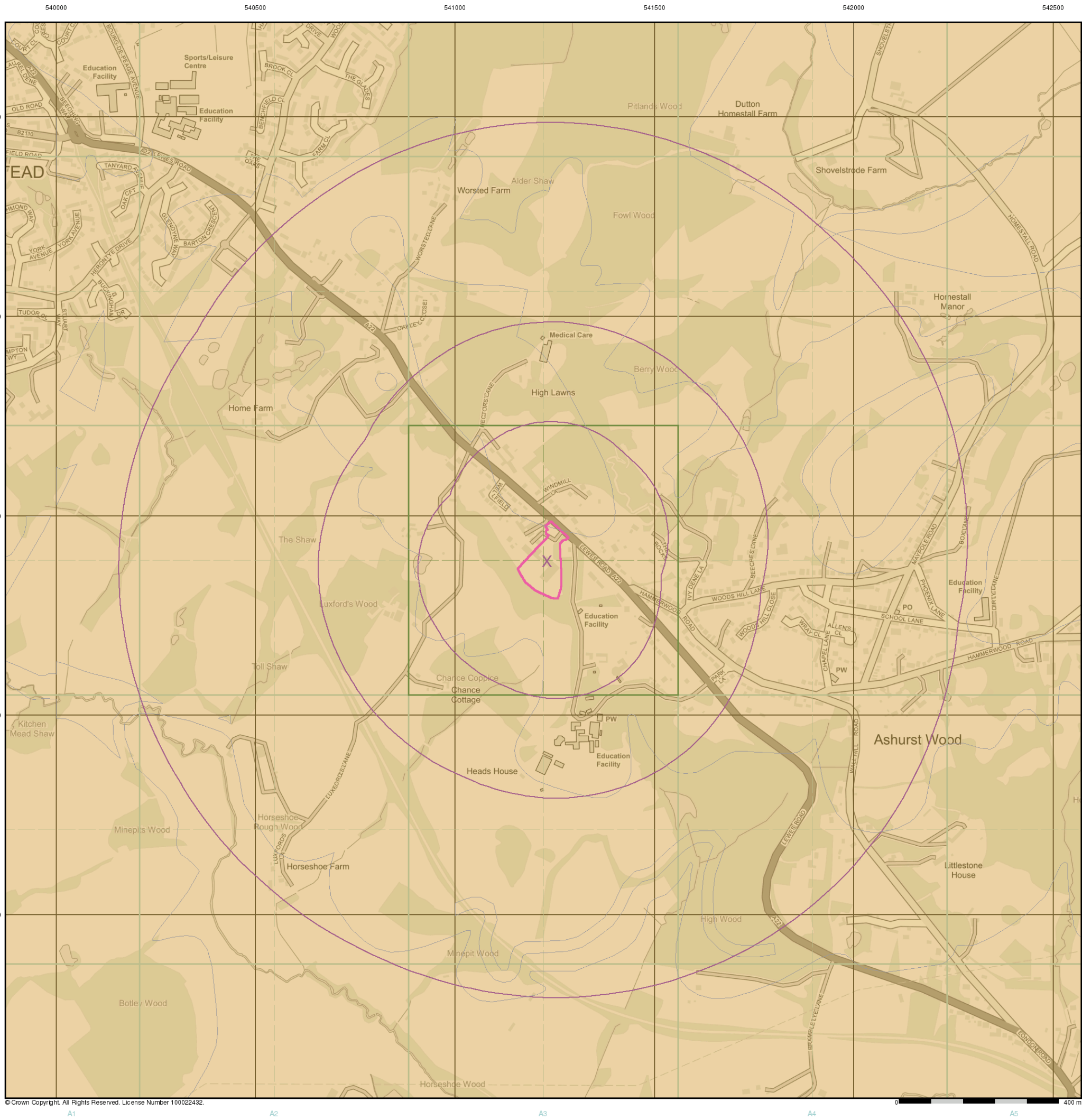
### Order Details

Order Details: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

### Site Details

Wealden House/Former EDF Energy Offices, Lewes Road,  
EAST GRINSTEAD, RH19 3TB



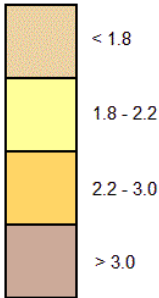


**General**

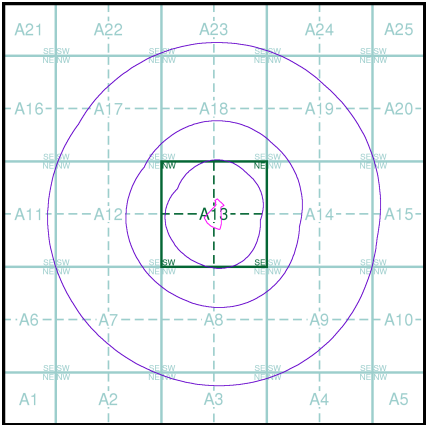
 Specified Site  Specified Buffer(s)  Bearing Reference Point

**Estimated Soil Chemistry Cadmium**

Cadmium Concentrations mg/kg



**Estimated Soil Chemistry Cadmium - Slice A**



**Order Details**

Order Details: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

**Site Details**

Wealden House/Former EDF Energy Offices, Lewes Road,  
EAST GRINSTEAD, RH19 3TB

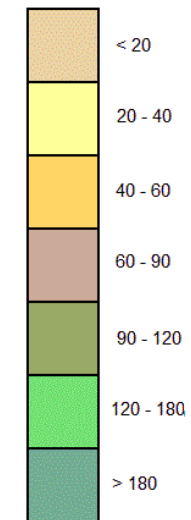


### General

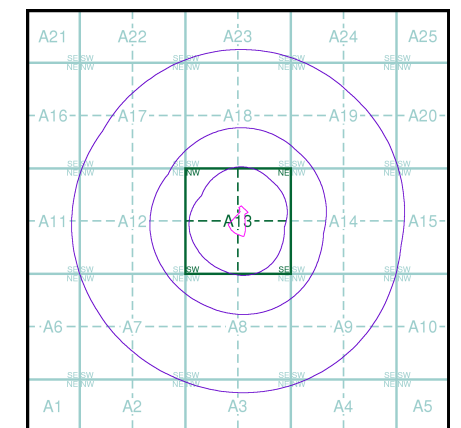
 Specified Site  Specified Buffer(s)  Bearing Reference Point

### Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



### Estimated Soil Chemistry Chromium - Slice A

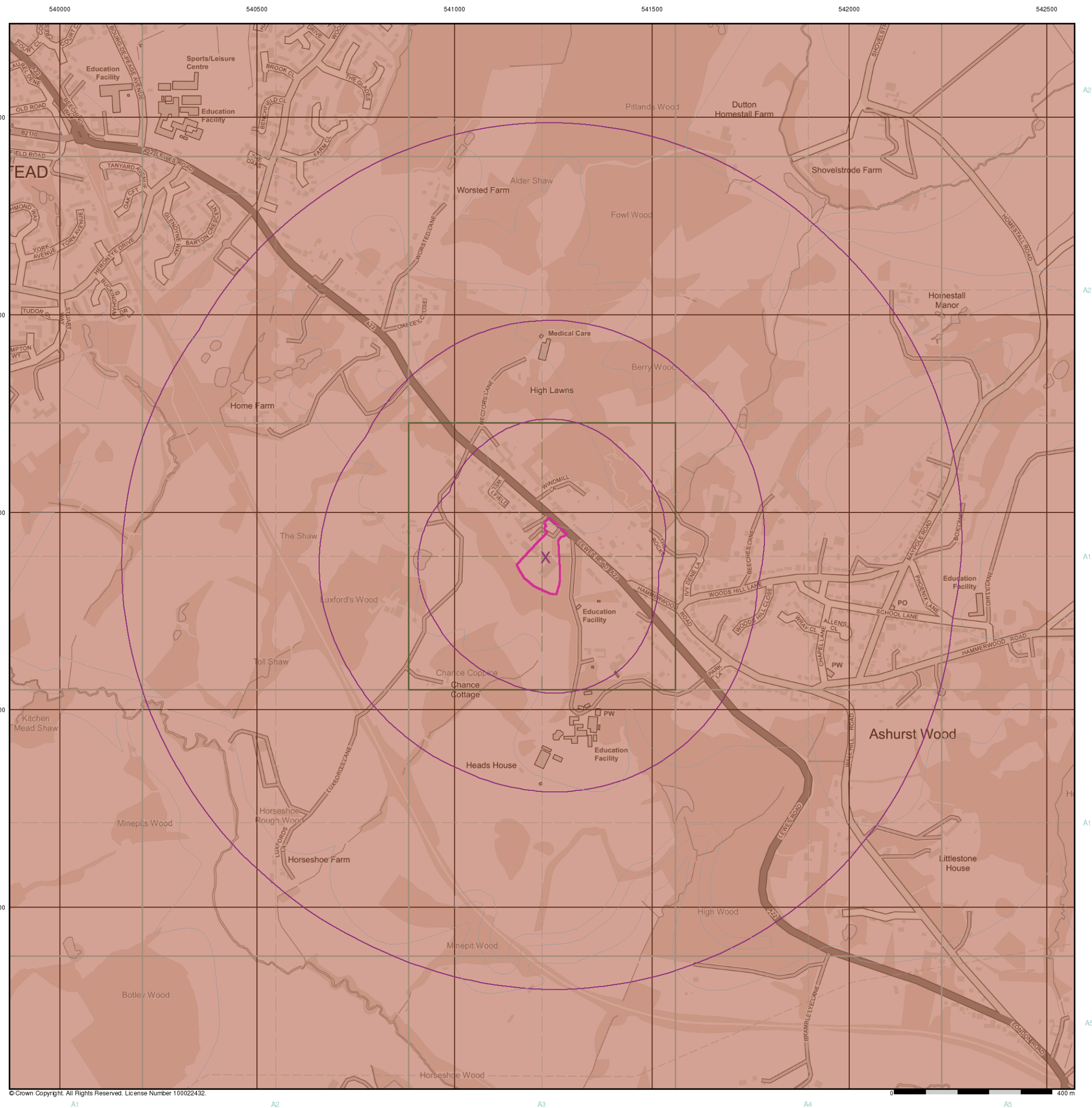


### Order Details

Order Details: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

### Site Details

Wealden House/Former EDF Energy Offices, Lewes Road,  
EAST GRINSTEAD, RH19 3TB

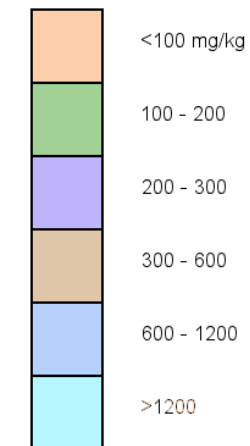


### General

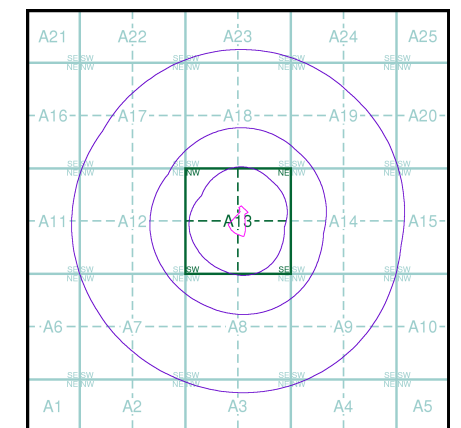
 Specified Site  Specified Buffer(s)  Bearing Reference Point

### Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



### Estimated Soil Chemistry Lead - Slice A



### Order Details

Order Details: 352930749\_1\_1  
Customer Ref: J15778  
National Grid Reference: 541230, 136890  
Slice: A  
Site Area (Ha): 1.27  
Search Buffer (m): 1000

### Site Details

Wealden House/Former EDF Energy Offices, Lewes Road,  
EAST GRINSTEAD, RH19 3TB







# Envirocheck<sup>®</sup> Report:

## Datasheet

### Order Details:

**Order Number:**

352930749\_1\_1

**Customer Reference:**

J15778

**National Grid Reference:**

541230, 136890

**Slice:**

A

**Site Area (Ha):**

1.27

**Search Buffer (m):**

1000

### Site Details:

Wealden House/Former EDF Energy Offices  
Lewes Road  
EAST GRINSTEAD  
RH19 3TB

### Client Details:

MR D Spearman  
Southern Testing  
Keeble House  
Stuart Way  
East Grinstead  
West Sussex  
RH19 4QA

### Prepared For:

Octagon Developments Ltd

| Report Section        | Page Number |
|-----------------------|-------------|
| Summary               | -           |
| Agency & Hydrological | 1           |
| Waste                 | 23          |
| Hazardous Substances  | -           |
| Geological            | 24          |
| Industrial Land Use   | 33          |
| Sensitive Land Use    | 39          |
| Data Currency         | 41          |
| Data Suppliers        | 48          |
| Useful Contacts       | 49          |

## Introduction

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

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## Report Version v53.0

| Data Type                                                     | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---------------------------------------------------------------|-------------|---------|-----------|-------------|-----------------------------|
| <b>Agency &amp; Hydrological</b>                              |             |         |           |             |                             |
| BGS Groundwater Flooding Susceptibility                       | pg 1        | Yes     | Yes       | Yes         | n/a                         |
| Contaminated Land Register Entries and Notices                |             |         |           |             |                             |
| Discharge Consents                                            | pg 1        |         | 3         | 2           | 33                          |
| Prosecutions Relating to Controlled Waters                    |             |         | n/a       | n/a         | n/a                         |
| Enforcement and Prohibition Notices                           |             |         |           |             |                             |
| Integrated Pollution Controls                                 |             |         |           |             |                             |
| Integrated Pollution Prevention And Control                   |             |         |           |             |                             |
| Local Authority Integrated Pollution Prevention And Control   |             |         |           |             |                             |
| Local Authority Pollution Prevention and Controls             |             |         |           |             |                             |
| Local Authority Pollution Prevention and Control Enforcements |             |         |           |             |                             |
| Nearest Surface Water Feature                                 | pg 10       |         | Yes       |             |                             |
| Pollution Incidents to Controlled Waters                      | pg 10       |         |           |             | 1                           |
| Prosecutions Relating to Authorised Processes                 |             |         |           |             |                             |
| Registered Radioactive Substances                             |             |         |           |             |                             |
| River Quality                                                 | pg 10       |         |           |             | 1                           |
| River Quality Biology Sampling Points                         | pg 11       |         |           |             | 1                           |
| River Quality Chemistry Sampling Points                       |             |         |           |             |                             |
| Substantiated Pollution Incident Register                     |             |         |           |             |                             |
| Water Abstractions                                            | pg 11       |         |           |             | (*3)                        |
| Water Industry Act Referrals                                  |             |         |           |             |                             |
| Groundwater Vulnerability Map                                 | pg 12       | Yes     | n/a       | n/a         | n/a                         |
| Groundwater Vulnerability - Soluble Rock Risk                 |             |         | n/a       | n/a         | n/a                         |
| Groundwater Vulnerability - Local Information                 |             |         | n/a       | n/a         | n/a                         |
| Bedrock Aquifer Designations                                  | pg 12       | Yes     | n/a       | n/a         | n/a                         |
| Superficial Aquifer Designations                              |             |         | n/a       | n/a         | n/a                         |
| Source Protection Zones                                       |             |         |           |             |                             |
| Extreme Flooding from Rivers or Sea without Defences          |             |         |           | n/a         | n/a                         |
| Flooding from Rivers or Sea without Defences                  |             |         |           | n/a         | n/a                         |
| Areas Benefiting from Flood Defences                          |             |         |           | n/a         | n/a                         |
| Flood Water Storage Areas                                     |             |         |           | n/a         | n/a                         |
| Flood Defences                                                |             |         |           | n/a         | n/a                         |
| OS Water Network Lines                                        | pg 12       |         | 2         | 8           | 77                          |



| Data Type                                                           | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---------------------------------------------------------------------|-------------|---------|-----------|-------------|-----------------------------|
| <b>Waste</b>                                                        |             |         |           |             |                             |
| BGS Recorded Landfill Sites                                         |             |         |           |             |                             |
| Historical Landfill Sites                                           | pg 23       |         |           | 1           |                             |
| Integrated Pollution Control Registered Waste Sites                 |             |         |           |             |                             |
| Licensed Waste Management Facilities (Landfill Boundaries)          |             |         |           |             |                             |
| Licensed Waste Management Facilities (Locations)                    |             |         |           |             |                             |
| Local Authority Landfill Coverage                                   | pg 23       | 2       | n/a       | n/a         | n/a                         |
| Local Authority Recorded Landfill Sites                             | pg 23       |         |           | 1           |                             |
| Potentially Infilled Land (Non-Water)                               | pg 23       |         | 1         |             |                             |
| Potentially Infilled Land (Water)                                   | pg 23       |         |           |             | 3                           |
| Registered Landfill Sites                                           |             |         |           |             |                             |
| Registered Waste Transfer Sites                                     |             |         |           |             |                             |
| Registered Waste Treatment or Disposal Sites                        |             |         |           |             |                             |
| <b>Hazardous Substances</b>                                         |             |         |           |             |                             |
| Control of Major Accident Hazards Sites (COMAH)                     |             |         |           |             |                             |
| Explosive Sites                                                     |             |         |           |             |                             |
| Notification of Installations Handling Hazardous Substances (NIHHS) |             |         |           |             |                             |
| Planning Hazardous Substance Consents                               |             |         |           |             |                             |
| Planning Hazardous Substance Enforcements                           |             |         |           |             |                             |

| Data Type                                                         | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|-------------------------------------------------------------------|-------------|---------|-----------|-------------|-----------------------------|
| <b>Geological</b>                                                 |             |         |           |             |                             |
| BGS 1:625,000 Solid Geology                                       | pg 24       | Yes     | n/a       | n/a         | n/a                         |
| BGS Estimated Soil Chemistry                                      | pg 24       | Yes     | Yes       |             | Yes                         |
| BGS Recorded Mineral Sites                                        | pg 25       |         | 1         | 1           | 33                          |
| BGS Urban Soil Chemistry                                          |             |         |           |             |                             |
| BGS Urban Soil Chemistry Averages                                 |             |         |           |             |                             |
| CBSCB Compensation District                                       |             |         | n/a       | n/a         | n/a                         |
| Coal Mining Affected Areas                                        |             |         | n/a       | n/a         | n/a                         |
| Mining Instability                                                |             |         | n/a       | n/a         | n/a                         |
| Man-Made Mining Cavities                                          |             |         |           |             |                             |
| Natural Cavities                                                  | pg 31       |         |           |             | 2                           |
| Non Coal Mining Areas of Great Britain                            | pg 31       |         | Yes       | n/a         | n/a                         |
| Potential for Collapsible Ground Stability Hazards                | pg 31       | Yes     |           | n/a         | n/a                         |
| Potential for Compressible Ground Stability Hazards               |             |         |           | n/a         | n/a                         |
| Potential for Ground Dissolution Stability Hazards                |             |         |           | n/a         | n/a                         |
| Potential for Landslide Ground Stability Hazards                  | pg 31       | Yes     | Yes       | n/a         | n/a                         |
| Potential for Running Sand Ground Stability Hazards               | pg 32       | Yes     |           | n/a         | n/a                         |
| Potential for Shrinking or Swelling Clay Ground Stability Hazards | pg 32       | Yes     | Yes       | n/a         | n/a                         |
| Radon Potential - Radon Affected Areas                            |             |         | n/a       | n/a         | n/a                         |
| Radon Potential - Radon Protection Measures                       |             |         | n/a       | n/a         | n/a                         |
| <b>Industrial Land Use</b>                                        |             |         |           |             |                             |
| Contemporary Trade Directory Entries                              | pg 33       |         |           | 17          | 6                           |
| Fuel Station Entries                                              |             |         |           |             |                             |
| Points of Interest - Commercial Services                          | pg 35       |         |           | 8           | 4                           |
| Points of Interest - Education and Health                         |             |         |           |             |                             |
| Points of Interest - Manufacturing and Production                 | pg 36       |         |           | 1           | 1                           |
| Points of Interest - Public Infrastructure                        | pg 36       |         |           | 1           | 26                          |
| Points of Interest - Recreational and Environmental               | pg 38       |         |           |             | 4                           |
| Gas Pipelines                                                     |             |         |           |             |                             |
| Underground Electrical Cables                                     |             |         |           |             |                             |

| Data Type                            | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m<br>(*up to 2000m) |
|--------------------------------------|-------------|---------|-----------|-------------|--------------------------------|
| <b>Sensitive Land Use</b>            |             |         |           |             |                                |
| Ancient Woodland                     | pg 39       | 1       | 3         | 6           | 12                             |
| Areas of Adopted Green Belt          |             |         |           |             |                                |
| Areas of Unadopted Green Belt        |             |         |           |             |                                |
| Areas of Outstanding Natural Beauty  | pg 40       | 1       |           |             |                                |
| Environmentally Sensitive Areas      |             |         |           |             |                                |
| Forest Parks                         |             |         |           |             |                                |
| Local Nature Reserves                |             |         |           |             |                                |
| Marine Nature Reserves               |             |         |           |             |                                |
| National Nature Reserves             |             |         |           |             |                                |
| National Parks                       |             |         |           |             |                                |
| Nitrate Sensitive Areas              |             |         |           |             |                                |
| Nitrate Vulnerable Zones             | pg 40       | 1       |           |             |                                |
| Ramsar Sites                         |             |         |           |             |                                |
| Sites of Special Scientific Interest | pg 40       |         | 1         |             |                                |
| Special Areas of Conservation        |             |         |           |             |                                |
| Special Protection Areas             |             |         |           |             |                                |
| World Heritage Sites                 |             |         |           |             |                                |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A13SE (SW)                             | 0                            | 1       | 541231 136886 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A13SE (S)                              | 143                          | 1       | 541231 136650 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A13SW (W)                              | 207                          | 1       | 540950 136886 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A14NW (NE)                             | 444                          | 1       | 541700 137100 |
| 1      | <b>Discharge Consents</b><br>Operator: D Edmonds<br>Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE)<br>Location: Pips,Lewes Road,East Grinstead Pips, Lewes Road, East Grinstead, East Sussex, Rh19 3tb<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Medway<br>Reference: P20113<br>Permit Version: 1<br>Effective Date: 16th June 2004<br>Issued Date: 16th June 2004<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Land/Soakaway<br>Environment:<br>Receiving Water: Discharging To Underground Str<br><b>Status:</b> New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)<br>Positional Accuracy: Located by supplier to within 10m | A13NW (W)                              | 63                           | 2       | 541110 136910 |
| 2      | <b>Discharge Consents</b><br>Operator: Brambletye School Trust<br>Property Type: EDUCATION/NURSERY/SCHOOL/COLLEGE/UNI/TRAINING VENUE<br>Location: Brambletye School, Lewes Road, East Grinstead, West Sussex, Rh19 3pd<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Not Given<br>Reference: P03908<br>Permit Version: 1<br>Effective Date: 12th November 1991<br>Issued Date: 12th November 1991<br>Revocation Date: 31st March 1997<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Land/Soakaway<br>Environment:<br>Receiving Water: Into Land<br><b>Status:</b> Lapsed (under Environment Act 1995, Schedule 23)<br>Positional Accuracy: Located by supplier to within 100m                                                       | A13SE (SE)                             | 93                           | 2       | 541350 136780 |
| 3      | <b>Discharge Consents</b><br>Operator: Brambletye School Ltd<br>Property Type: EDUCATION/NURSERY/SCHOOL/COLLEGE/UNI/TRAINING VENUE<br>Location: Brambletye School, Parish Of Forest Row, East Grinstead, West Sussex<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Not Supplied<br>Reference: K01559<br>Permit Version: 1<br>Effective Date: 22nd June 1966<br>Issued Date: 22nd June 1966<br>Revocation Date: 4th November 1992<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Freshwater River<br><b>Status:</b> Pre National Rivers Authority Legislation where issue date < 01/09/1989<br>Positional Accuracy: Located by supplier to within 10m                     | A13SW (S)                              | 224                          | 2       | 541180 136580 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
| 4      | <b>Discharge Consents</b><br>Operator: Mr Stuart Wood<br>Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE)<br>Location: A Stp Serving Chance Cottage, Luxfords Lane, East Grinstead, West Sussex, Rh19 4hl<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Medway<br>Reference: Npswqd003387<br>Permit Version: 1<br>Effective Date: 22nd September 2008<br>Issued Date: 22nd September 2008<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Unnamed Trib Of River Medway<br><b>Status:</b> <b>New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 10m           | A13SW (SW)                             | 369                          | 2       | 540928 136561 |
| 5      | <b>Discharge Consents</b><br>Operator: R.C.Mellor Esq.<br>Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE)<br>Location: Brockhurst Lodge, Lewes Road, East Grinstead West Sussex<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Not Supplied<br>Reference: P01082<br>Permit Version: 1<br>Effective Date: 9th July 1987<br>Issued Date: 9th July 1987<br>Revocation Date: 31st August 1995<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Land/Soakaway<br>Environment:<br>Receiving Water: Into Land<br><b>Status:</b> <b>Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b><br>Positional Accuracy: Located by supplier to within 10m                                                                                                      | A17SE (NW)                             | 468                          | 2       | 540880 137290 |
| 6      | <b>Discharge Consents</b><br>Operator: Mr R Mellor<br>Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE)<br>Location: Brockhurst Lodge, Lewes Road, East Grinstead, West Sussex, Rh19 3un<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Not Given<br>Reference: P05795<br>Permit Version: 1<br>Effective Date: 12th May 1995<br>Issued Date: 12th May 1995<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Land/Soakaway<br>Environment:<br>Receiving Water: Into Land<br><b>Status:</b> <b>Post National Rivers Authority Legislation where issue date &gt; 31/08/1989</b><br>Positional Accuracy: Located by supplier to within 100m                                                                                                    | A17SE (NW)                             | 536                          | 2       | 540800 137300 |
| 7      | <b>Discharge Consents</b><br>Operator: Mr & Mrs D Mahoney<br>Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE)<br>Location: Ashurst, Lewes Road, Ashurst Wood Lewes Road, Ashurst Wood, East Grinstead, West Sussex, Rh19 3te<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Medway<br>Reference: P20778<br>Permit Version: 1<br>Effective Date: 24th October 2005<br>Issued Date: 24th October 2005<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Tributary Of The River Medway<br><b>Status:</b> <b>New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 10m | A9NW (SE)                              | 559                          | 2       | 541720 136480 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|------------------|
| 7      | <b>Discharge Consents</b><br>Operator: Mr Fletcher<br>Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES)<br>Location: Ashurst And Linden, Lewes Road Ashurst And Linden, Lewes Road, East Grinstead, West Sussex, Rh19 3te<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Medway<br>Reference: P20778a<br>Permit Version: 1<br>Effective Date: 25th January 2006<br>Issued Date: 25th January 2006<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge Land/Soakaway<br>Environment:<br>Receiving Water: Tributary Of The River Medway<br><b>Status:</b> <b>New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 10m     | A9NW (SE)                              | 562                          | 2       | 541730<br>136490 |
| 7      | <b>Discharge Consents</b><br>Operator: Mr Mahoney<br>Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES)<br>Location: Ashurst And Linden, Lewes Road Ashurst And Linden, Lewes Road, East Grinstead, West Sussex, Rh19 3te<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Medway<br>Reference: P20778a<br>Permit Version: 1<br>Effective Date: 25th January 2006<br>Issued Date: 25th January 2006<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge Land/Soakaway<br>Environment:<br>Receiving Water: Tributary Of The River Medway<br><b>Status:</b> <b>New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 10m      | A9NW (SE)                              | 562                          | 2       | 541730<br>136490 |
| 7      | <b>Discharge Consents</b><br>Operator: Mr C J Fletcher<br>Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE)<br>Location: Linden, Lewes Road, Ashurst Wood Linden, Lewes Road, Ashurst Wood, East Grinstead, West Sussex, Rh19 3te<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Medway<br>Reference: P20799<br>Permit Version: 1<br>Effective Date: 7th November 2005<br>Issued Date: 7th November 2005<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge Land/Soakaway<br>Environment:<br>Receiving Water: Tributary Of The River Medway<br><b>Status:</b> <b>New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 10m | A9NW (SE)                              | 595                          | 2       | 541750<br>136460 |
| 8      | <b>Discharge Consents</b><br>Operator: Mr P Holden<br>Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE)<br>Location: Holly Lodge, Lewes Road, East Grinstead, West Sussex, Rh19 3un<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Not Given<br>Reference: P05835<br>Permit Version: 1<br>Effective Date: 9th June 1995<br>Issued Date: 9th June 1995<br>Revocation Date: 31st March 1997<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge Land/Soakaway<br>Environment:<br>Receiving Water: Into Land<br><b>Status:</b> <b>Lapsed (under Environment Act 1995, Schedule 23)</b><br>Positional Accuracy: Located by supplier to within 100m                                                                                                                           | A17SE (NW)                             | 597                          | 2       | 540840<br>137430 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 9      | <b>Discharge Consents</b><br>Operator: Mrs M G Halpern<br>Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE)<br>Location: Little Manor, Lewes Raod, East Grinstead, West Sussex, Rh19 3un<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Not Given<br>Reference: P05912<br>Permit Version: 1<br>Effective Date: 6th September 1995<br>Issued Date: 6th September 1995<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge Land/Soakaway<br>Environment:<br>Receiving Water: Into Land<br><b>Status:</b> Post National Rivers Authority Legislation where issue date > 31/08/1989<br>Positional Accuracy: Located by supplier to within 100m                                   | A17SE (NW)                             | 677                          | 2       | 540700<br>137400 |
| 9      | <b>Discharge Consents</b><br>Operator: Mrs V A Gilmour<br>Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE)<br>Location: Land At Brockhurst, Lewes Road, East Grinstead, West Sussex<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Not Given<br>Reference: P05535<br>Permit Version: 1<br>Effective Date: 5th April 1995<br>Issued Date: 5th April 1995<br>Revocation Date: 31st March 1997<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge Freshwater Stream/River<br>Environment:<br>Receiving Water: Freshwater River<br><b>Status:</b> Lapsed (under Environment Act 1995, Schedule 23)<br>Positional Accuracy: Located by supplier to within 100m                                                   | A17SE (NW)                             | 677                          | 2       | 540700<br>137400 |
| 10     | <b>Discharge Consents</b><br>Operator: Mr & Mrs Lloyd-Eley<br>Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE)<br>Location: Land At Luxfords Farm, Luxfords Lane, East Grinstead, West Sussex, Rh19 4hl<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Not Given<br>Reference: P03651<br>Permit Version: 1<br>Effective Date: 17th June 1991<br>Issued Date: 17th June 1991<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge Freshwater Stream/River<br>Environment:<br>Receiving Water: Freshwater River<br><b>Status:</b> Post National Rivers Authority Legislation where issue date > 31/08/1989<br>Positional Accuracy: Located by supplier to within 100m          | A7NW (SW)                              | 754                          | 2       | 540510<br>136480 |
| 11     | <b>Discharge Consents</b><br>Operator: Southern Water Services Ltd (S)<br>Property Type: Sewage Disposal Works - Water Company<br>Location: Luxford Ln-East Grinstead S.T.W., East Grinstead, West Sussex, Rh19<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Medway<br>Reference: A00532<br>Permit Version: 6<br>Effective Date: 23rd March 2010<br>Issued Date: 23rd March 2010<br>Revocation Date: 30th March 2014<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company<br>Discharge Freshwater Stream/River<br>Environment:<br>Receiving Water: The Sunnyside Stream<br><b>Status:</b> Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)<br>Positional Accuracy: Located by supplier to within 10m | A7NW (SW)                              | 860                          | 2       | 540440<br>136390 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|------------------|
| 11     | <b>Discharge Consents</b><br>Operator: Southern Water Services Ltd (S)<br>Property Type: Sewage Disposal Works - Water Company<br>Location: Luxford Ln-East Grinstead S.T.W., East Grinstead, West Sussex, Rh19<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Medway<br>Reference: A00532<br>Permit Version: 7<br>Effective Date: 31st March 2014<br>Issued Date: 23rd March 2010<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: The Sunnyside Stream<br><b>Status:</b> <b>Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 10m          | A7NW (SW)                              | 860                          | 2       | 540440<br>136390 |
| 11     | <b>Discharge Consents</b><br>Operator: Southern Water Services Ltd (S)<br>Property Type: Sewage Disposal Works - Water Company<br>Location: Luxford Ln-East Grinstead S.T.W., East Grinstead, West Sussex, Rh19<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Medway<br>Reference: A00532<br>Permit Version: 5<br>Effective Date: 1st April 2009<br>Issued Date: 14th October 2008<br>Revocation Date: 22nd March 2010<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: The Sunnyside Stream<br><b>Status:</b> <b>Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 10m      | A7NW (SW)                              | 860                          | 2       | 540440<br>136390 |
| 11     | <b>Discharge Consents</b><br>Operator: Southern Water Services Ltd (S)<br>Property Type: Sewage Disposal Works - Water Company<br>Location: Luxford Ln-East Grinstead S.T.W., East Grinstead, West Sussex, Rh19<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Medway<br>Reference: A00532<br>Permit Version: 4<br>Effective Date: 23rd December 2005<br>Issued Date: 23rd December 2005<br>Revocation Date: 31st March 2009<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: The Sunnyside Stream<br><b>Status:</b> <b>Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 10m | A7NW (SW)                              | 860                          | 2       | 540440<br>136390 |
| 11     | <b>Discharge Consents</b><br>Operator: Mr A Jones<br>Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES)<br>Location: Sunnyside Sewage Disposal Works, Luxfords Lane, East Grinstead, Sussex<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Not Supplied<br>Reference: K02119<br>Permit Version: 1<br>Effective Date: 24th May 1966<br>Issued Date: 24th May 1966<br>Revocation Date: 9th November 1989<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Freshwater River<br><b>Status:</b> <b>Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b><br>Positional Accuracy: Located by supplier to within 10m                | A7NW (SW)                              | 873                          | 2       | 540450<br>136350 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|------------------|
| 11     | <b>Discharge Consents</b><br>Operator: Mr A Jones<br>Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES)<br>Location: Sunnyside Sewage Disposal Works, Luxfords Lane, East Grinstead, Sussex<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Not Supplied<br>Reference: K02119<br>Permit Version: 1<br>Effective Date: 24th May 1966<br>Issued Date: 24th May 1966<br>Revocation Date: 9th November 1989<br>Discharge Type: Storm sewage overflow discharge<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Freshwater River<br><b>Status:</b> Pre National Rivers Authority Legislation where issue date < 01/09/1989<br>Positional Accuracy: Located by supplier to within 10m           | A7NW (SW)                              | 873                          | 2       | 540450<br>136350 |
| 12     | <b>Discharge Consents</b><br>Operator: Southern Water Services Limited<br>Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY)<br>Location: Luxford Ln-East Grinstead Wwtw, Luxfords Lane, East Grinstead, West Sussex, Rh19 4hl<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Medway<br>Reference: A00532<br>Permit Version: 9<br>Effective Date: 31st March 2025<br>Issued Date: 1st December 2022<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: The Sunnyside Stream<br><b>Status:</b> Varied under EPR 2010<br>Positional Accuracy: Located by supplier to within 10m        | A7NW (SW)                              | 895                          | 2       | 540430<br>136340 |
| 12     | <b>Discharge Consents</b><br>Operator: Southern Water Services Limited<br>Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY)<br>Location: Luxford Ln-East Grinstead Wwtw, Luxfords Lane, East Grinstead, West Sussex, Rh19 4hl<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Medway<br>Reference: A00532<br>Permit Version: 8<br>Effective Date: 1st December 2022<br>Issued Date: 1st December 2022<br>Revocation Date: 30th March 2025<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: The Sunnyside Stream<br><b>Status:</b> Varied under EPR 2010<br>Positional Accuracy: Located by supplier to within 10m   | A7NW (SW)                              | 895                          | 2       | 540430<br>136340 |
| 12     | <b>Discharge Consents</b><br>Operator: Southern Water Services Limited<br>Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY)<br>Location: Luxford Ln-East Grinstead Wwtw, Luxfords Lane, East Grinstead, West Sussex, Rh19 4hl<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Medway<br>Reference: A00532<br>Permit Version: 9<br>Effective Date: 31st March 2025<br>Issued Date: 1st December 2022<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: The Sunnyside Stream<br><b>Status:</b> Varied under EPR 2010<br>Positional Accuracy: Located by supplier to within 10m | A7NW (SW)                              | 916                          | 2       | 540440<br>136290 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 12     | <b>Discharge Consents</b><br>Operator: Southern Water Services Limited<br>Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY)<br>Location: Luxford Ln-East Grinstead Wwtw, Luxfords Lane, East Grinstead, West Sussex, Rh19 4hl<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Medway<br>Reference: A00532<br>Permit Version: 8<br>Effective Date: 1st December 2022<br>Issued Date: 1st December 2022<br>Revocation Date: 30th March 2025<br>Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: The Sunnyside Stream<br><b>Status:</b> Varied under <b>EPR 2010</b><br>Positional Accuracy: Located by supplier to within 10m                                                        | A7NW (SW)                              | 916                          | 2       | 540440<br>136290 |
| 12     | <b>Discharge Consents</b><br>Operator: Southern Water Services Limited<br>Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY)<br>Location: Luxford Ln-East Grinstead Wwtw, Luxfords Lane, East Grinstead, West Sussex, Rh19 4hl<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Medway<br>Reference: A00532<br>Permit Version: 6<br>Effective Date: 23rd March 2010<br>Issued Date: 23rd March 2010<br>Revocation Date: 30th March 2014<br>Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: The Sunnyside Stream<br><b>Status:</b> Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)<br>Positional Accuracy: Located by supplier to within 100m    | A7NW (SW)                              | 942                          | 2       | 540400<br>136300 |
| 12     | <b>Discharge Consents</b><br>Operator: Southern Water Services Limited<br>Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY)<br>Location: Luxford Ln-East Grinstead Wwtw, Luxfords Lane, East Grinstead, West Sussex, Rh19 4hl<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Medway<br>Reference: A00532<br>Permit Version: 7<br>Effective Date: 31st March 2014<br>Issued Date: 23rd March 2010<br>Revocation Date: 30th November 2022<br>Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: The Sunnyside Stream<br><b>Status:</b> Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)<br>Positional Accuracy: Located by supplier to within 100m | A7NW (SW)                              | 942                          | 2       | 540400<br>136300 |
| 12     | <b>Discharge Consents</b><br>Operator: Southern Water Services Limited<br>Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY)<br>Location: Luxford Ln-East Grinstead Wwtw, Luxfords Lane, East Grinstead, West Sussex, Rh19 4hl<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Medway<br>Reference: A00532<br>Permit Version: 5<br>Effective Date: 1st April 2009<br>Issued Date: 14th October 2008<br>Revocation Date: 22nd March 2010<br>Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: The Sunnyside Stream<br><b>Status:</b> Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)<br>Positional Accuracy: Located by supplier to within 100m   | A7NW (SW)                              | 942                          | 2       | 540400<br>136300 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|------------------|
| 12     | <b>Discharge Consents</b><br>Operator: Southern Water Services Limited<br>Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY)<br>Location: Luxford Ln-East Grinstead Wwtw, Luxfords Lane, East Grinstead, West Sussex, Rh19 4hl<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Medway<br>Reference: A00532<br>Permit Version: 4<br>Effective Date: 23rd December 2005<br>Issued Date: 23rd December 2005<br>Revocation Date: 31st March 2009<br>Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: The Sunnyside Stream<br><b>Status:</b> <b>Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 100m | A7NW (SW)                              | 942                          | 2       | 540400<br>136300 |
| 12     | <b>Discharge Consents</b><br>Operator: Southern Water Services Limited<br>Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY)<br>Location: Luxford Ln-East Grinstead Wwtw, Luxfords Lane, East Grinstead, West Sussex, Rh19 4hl<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Medway<br>Reference: A00532<br>Permit Version: 3<br>Effective Date: 7th March 2005<br>Issued Date: 7th March 2005<br>Revocation Date: 22nd December 2005<br>Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: The Sunnyside Stream<br><b>Status:</b> <b>Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 100m      | A7NW (SW)                              | 942                          | 2       | 540400<br>136300 |
| 12     | <b>Discharge Consents</b><br>Operator: Southern Water Services Limited<br>Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY)<br>Location: Luxford Ln-East Grinstead Wwtw, Luxfords Lane, East Grinstead, West Sussex, Rh19 4hl<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Medway<br>Reference: A00532<br>Permit Version: 2<br>Effective Date: 12th March 1996<br>Issued Date: 12th March 1996<br>Revocation Date: 6th March 2005<br>Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Sunnyside Stream<br><b>Status:</b> <b>Post National Rivers Authority Legislation where issue date &gt; 31/08/1989</b><br>Positional Accuracy: Located by supplier to within 100m                    | A7NW (SW)                              | 942                          | 2       | 540400<br>136300 |
| 12     | <b>Discharge Consents</b><br>Operator: Southern Water Services Limited<br>Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY)<br>Location: Luxford Ln-East Grinstead Wwtw, Luxfords Lane, East Grinstead, West Sussex, Rh19 4hl<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Medway<br>Reference: A00532<br>Permit Version: 6<br>Effective Date: 23rd March 2010<br>Issued Date: 23rd March 2010<br>Revocation Date: 30th March 2014<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: The Sunnyside Stream<br><b>Status:</b> <b>Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 10m               | A7NW (SW)                              | 972                          | 2       | 540400<br>136250 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 12     | <b>Discharge Consents</b><br>Operator: Southern Water Services Limited<br>Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY)<br>Location: Luxford Ln-East Grinstead Wwtw, Luxfords Lane, East Grinstead, West Sussex, Rh19 4hl<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Medway<br>Reference: A00532<br>Permit Version: 7<br>Effective Date: 31st March 2014<br>Issued Date: 23rd March 2010<br>Revocation Date: 30th November 2022<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: The Sunnyside Stream<br><b>Status:</b> <b>Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 10m    | A7NW (SW)                              | 972                          | 2       | 540400<br>136250 |
| 12     | <b>Discharge Consents</b><br>Operator: Southern Water Services Limited<br>Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY)<br>Location: Luxford Ln-East Grinstead Wwtw, Luxfords Lane, East Grinstead, West Sussex, Rh19 4hl<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Medway<br>Reference: A00532<br>Permit Version: 5<br>Effective Date: 1st April 2009<br>Issued Date: 14th October 2008<br>Revocation Date: 22nd March 2010<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: The Sunnyside Stream<br><b>Status:</b> <b>Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 10m      | A7NW (SW)                              | 972                          | 2       | 540400<br>136250 |
| 12     | <b>Discharge Consents</b><br>Operator: Southern Water Services Limited<br>Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY)<br>Location: Luxford Ln-East Grinstead Wwtw, Luxfords Lane, East Grinstead, West Sussex, Rh19 4hl<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Medway<br>Reference: A00532<br>Permit Version: 4<br>Effective Date: 23rd December 2005<br>Issued Date: 23rd December 2005<br>Revocation Date: 31st March 2009<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: The Sunnyside Stream<br><b>Status:</b> <b>Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 10m | A7NW (SW)                              | 972                          | 2       | 540400<br>136250 |
| 12     | <b>Discharge Consents</b><br>Operator: Southern Water Services Limited<br>Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY)<br>Location: Luxford Ln-East Grinstead Wwtw, Luxfords Lane, East Grinstead, West Sussex, Rh19 4hl<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Medway<br>Reference: A00532<br>Permit Version: 3<br>Effective Date: 7th March 2005<br>Issued Date: 7th March 2005<br>Revocation Date: 22nd December 2005<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: The Sunnyside Stream<br><b>Status:</b> <b>Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 10m      | A7NW (SW)                              | 972                          | 2       | 540400<br>136250 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 12     | <b>Discharge Consents</b><br>Operator: Southern Water Services Limited<br>Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY)<br>Location: Luxford Ln-East Grinstead Wwtw, Luxfords Lane, East Grinstead, West Sussex, Rh19 4hl<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Medway<br>Reference: A00532<br>Permit Version: 2<br>Effective Date: 12th March 1996<br>Issued Date: 12th March 1996<br>Revocation Date: 6th March 2005<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Sunnyside Stream<br><b>Status:</b> Post National Rivers Authority Legislation where issue date > 31/08/1989<br>Positional Accuracy: Located by supplier to within 10m          | A7NW (SW)                              | 972                          | 2       | 540400<br>136250 |
| 12     | <b>Discharge Consents</b><br>Operator: Southern Water Services Limited<br>Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY)<br>Location: Luxford Ln-East Grinstead Wwtw, Luxfords Lane, East Grinstead, West Sussex, Rh19 4hl<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Medway<br>Reference: A00532<br>Permit Version: 1<br>Effective Date: 9th November 1989<br>Issued Date: 9th November 1989<br>Revocation Date: 12th March 1996<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: The Sunnyside Stream<br><b>Status:</b> Post National Rivers Authority Legislation where issue date > 31/08/1989<br>Positional Accuracy: Located by supplier to within 10m | A7NW (SW)                              | 972                          | 2       | 540400<br>136250 |
| 13     | <b>Discharge Consents</b><br>Operator: Mr N Fenner<br>Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE)<br>Location: Dutton Homestall Cottage, Shovelstrobe Lane, Ashurst Wood, East Grinstead, West Sussex<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Not Supplied<br>Reference: P09295<br>Permit Version: 1<br>Effective Date: 28th September 2000<br>Issued Date: 28th September 2000<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Freshwater River<br><b>Status:</b> Pre National Rivers Authority Legislation where issue date < 01/09/1989<br>Positional Accuracy: Located by supplier to within 10m            | A19NW (NE)                             | 980                          | 2       | 541720<br>137840 |
|        | <b>Nearest Surface Water Feature</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | A13SW (S)                              | 165                          | -       | 541216<br>136632 |
| 14     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Road<br>Location: Lewes Road, EAST GRINSTEAD<br>Authority: Environment Agency, Southern Region<br>Pollutant: Oils - Other Oil<br>Note: Road Traffic Accident - Oil Antifreeze Spill<br>Incident Date: 1st July 1992<br>Incident Reference: 92T263<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Miscellaneous/Other Pollution Type<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                                                                                                                                                                                                                                      | A17NW (NW)                             | 964                          | 2       | 540510<br>137620 |
|        | <b>River Quality</b><br>Name: Sunnyside Strm<br>GQA Grade: River Quality C<br>Reach: Medway Conf - Luxford Lane Stw<br>Estimated Distance (km): 1.5<br>Flow Rate: Flow less than 0.62 cumecs<br>Flow Type: River<br>Year: 2000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | A7NW (SW)                              | 892                          | 2       | 540399<br>136396 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|------------------|
| 15     | <b>River Quality Biology Sampling Points</b><br>Name: Sunnyside Stream<br>Reach: River Medway Confluence To Luxford Lane Stw<br>Estimated Distance: 1.50<br>Positional Accuracy: Located by supplier to within 100m<br>Year: 1990<br>GQA Grade: River Quality Biology GQA Grade D - Fair<br>Year: 1995<br>GQA Grade: River Quality Biology GQA Grade A - Very Good<br>Year: 2000<br>GQA Grade: River Quality Biology GQA Grade C - Fairly Good<br>Year: 2002<br>GQA Grade: River Quality Biology GQA Grade C - Fairly Good<br>Year: 2003<br>GQA Grade: River Quality Biology GQA Grade C - Fairly Good<br>Year: 2004<br>GQA Grade: River Quality Biology GQA Grade B - Good<br>Year: 2005<br>GQA Grade: River Quality Biology GQA Grade B - Good<br>Year: 2006<br>GQA Grade: River Quality Biology GQA Grade B - Good<br>Year: 2007<br>GQA Grade: River Quality Biology GQA Grade C - Fairly Good<br>Year: 2008<br>GQA Grade: River Quality Biology GQA Grade C - Fairly Good<br>Year: 2009<br>GQA Grade: River Quality Biology GQA Grade C - Fairly Good | A7NW (SW)                              | 889                          | 2       | 540400<br>136400 |
|        | <b>Water Abstractions</b><br>Operator: Southern Water Services Ltd<br>Licence Number: 9/40/03/0387/Sr<br>Permit Version: 100<br>Location: Point A At Weir Wood Reservoir, Forest Row<br>Authority: Environment Agency, Southern Region<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: N/A<br>Authorised Start: 01 October<br>Authorised End: 30 September<br>Permit Start Date: 5th January 1967<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                                                                                                                                                                                                                                                                                                                                                                        | (S)                                    | 1729                         | 2       | 540680<br>135160 |
|        | <b>Water Abstractions</b><br>Operator: South East Water Ltd<br>Licence Number: 9/40/03/0375/Gr<br>Permit Version: 101<br>Location: Boreholes At Forest Row Ps<br>Authority: Environment Agency, Southern Region<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from any point within an area<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: N/A<br>Authorised Start: 01 October<br>Authorised End: 30 September<br>Permit Start Date: 27th October 2010<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                                                                                                                                                                                                                                                                                                                                                                               | A5SE (SE)                              | 1938                         | 2       | 542700<br>135500 |
|        | <b>Water Abstractions</b><br>Operator: South East Water Plc<br>Licence Number: 9/40/03/0375/Gr<br>Permit Version: 100<br>Location: Boreholes At Forest Row Ps<br>Authority: Environment Agency, Southern Region<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from any point within an area<br>Source: Groundwater<br>Daily Rate (m3): 6364<br>Yearly Rate (m3): 925111<br>Details: N/A<br>Authorised Start: 01 October<br>Authorised End: 30 September<br>Permit Start Date: 7th December 2006<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                                                                                                                                                                                                                                                                                                                                                                                              | A5SE (SE)                              | 1938                         | 2       | 542700<br>135500 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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|        | <b>Groundwater Vulnerability Map</b><br>Combined Unproductive Aquifer (may have productive aquifer beneath)<br>Classification: Unproductive<br>Combined Vulnerability: Unproductive Bedrock Aquifer, No Superficial Aquifer<br>Pollutant Speed: Intermediate<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: 40-70%<br>Superficial <90%<br>Patchiness: <3m<br>Superficial Thickness: No Data<br>Superficial Recharge: | A13NE (N)                              | 0                            | 3       | 541253<br>136968 |
|        | <b>Groundwater Vulnerability Map</b><br>Combined Secondary Bedrock Aquifer - High Vulnerability<br>Classification: High<br>Combined Vulnerability: Productive Bedrock Aquifer, No Superficial Aquifer<br>Pollutant Speed: Intermediate<br>Bedrock Flow: Well Connected Fractures<br>Dilution: 300-550 mm/year<br>Baseflow Index: 40-70%<br>Superficial <90%<br>Patchiness: <3m<br>Superficial Thickness: No Data<br>Superficial Recharge:                       | A13SE (SW)                             | 0                            | 3       | 541231<br>136886 |
|        | <b>Groundwater Vulnerability - Soluble Rock Risk</b><br>None                                                                                                                                                                                                                                                                                                                                                                                                    |                                        |                              |         |                  |
|        | <b>Bedrock Aquifer Designations</b><br>Aquifer Designation: Secondary Aquifer - A                                                                                                                                                                                                                                                                                                                                                                               | A13SE (SW)                             | 0                            | 3       | 541231<br>136886 |
|        | <b>Bedrock Aquifer Designations</b><br>Aquifer Designation: Unproductive Strata                                                                                                                                                                                                                                                                                                                                                                                 | A13NE (N)                              | 0                            | 3       | 541253<br>136968 |
|        | <b>Superficial Aquifer Designations</b><br>No Data Available                                                                                                                                                                                                                                                                                                                                                                                                    |                                        |                              |         |                  |
|        | <b>Extreme Flooding from Rivers or Sea without Defences</b><br>None                                                                                                                                                                                                                                                                                                                                                                                             |                                        |                              |         |                  |
|        | <b>Flooding from Rivers or Sea without Defences</b><br>None                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                              |         |                  |
|        | <b>Areas Benefiting from Flood Defences</b><br>None                                                                                                                                                                                                                                                                                                                                                                                                             |                                        |                              |         |                  |
|        | <b>Flood Water Storage Areas</b><br>None                                                                                                                                                                                                                                                                                                                                                                                                                        |                                        |                              |         |                  |
|        | <b>Flood Defences</b><br>None                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                        |                              |         |                  |
| 16     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 359.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1                                                                                                                                                                                                                               | A13SW (S)                              | 173                          | 4       | 541212<br>136625 |
| 17     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 44.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1                                                                                                                                                                                                                                | A13NE (E)                              | 249                          | 4       | 541534<br>136952 |



| Map ID | Details                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 18     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 4.0<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1         | A14NW (E)                              | 282                          | 4       | 541563<br>136986 |
| 19     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 122.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1 | A14NW (E)                              | 285                          | 4       | 541566<br>136989 |
| 20     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 39.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1  | A14NW (NE)                             | 335                          | 4       | 541572<br>137116 |
| 21     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 108.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1 | A14NW (NE)                             | 357                          | 4       | 541607<br>137099 |
| 22     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 3.6<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1         | A14NW (NE)                             | 458                          | 4       | 541687<br>137165 |
| 23     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 89.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1  | A14NW (NE)                             | 462                          | 4       | 541690<br>137167 |
| 24     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 10.9<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1        | A8NW (SW)                              | 469                          | 4       | 540933<br>136429 |
| 25     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 78.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1  | A8NW (SW)                              | 479                          | 4       | 540923<br>136424 |
| 26     | <b>OS Water Network Lines</b><br>Watercourse Form: Lake<br>Watercourse Length: 7.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1           | A14NW (NE)                             | 524                          | 4       | 541730<br>137220 |

| Map ID | Details                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 27     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 23.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1  | A14NW (NE)                             | 531                          | 4       | 541738<br>137221 |
| 28     | <b>OS Water Network Lines</b><br>Watercourse Form: Lake<br>Watercourse Length: 11.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1          | A19SW (NE)                             | 533                          | 4       | 541723<br>137247 |
| 29     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 16.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1  | A8NE (SE)                              | 540                          | 4       | 541513<br>136318 |
| 30     | <b>OS Water Network Lines</b><br>Watercourse Form: Lake<br>Watercourse Length: 11.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1          | A19SW (NE)                             | 544                          | 4       | 541732<br>137254 |
| 31     | <b>OS Water Network Lines</b><br>Watercourse Form: Lake<br>Watercourse Length: 13.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1          | A19SW (NE)                             | 544                          | 4       | 541732<br>137254 |
| 32     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 5.8<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1         | A19SW (NE)                             | 553                          | 4       | 541734<br>137266 |
| 33     | <b>OS Water Network Lines</b><br>Watercourse Form: Lake<br>Watercourse Length: 50.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1          | A8NE (SE)                              | 554                          | 4       | 541526<br>136308 |
| 34     | <b>OS Water Network Lines</b><br>Watercourse Form: Lake<br>Watercourse Length: 10.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1          | A7NE (SW)                              | 554                          | 4       | 540881<br>136361 |
| 35     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 168.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1 | A19SW (NE)                             | 558                          | 4       | 541738<br>137270 |

| Map ID | Details                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 36     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 20.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1  | A7NE (SW)                              | 564                          | 4       | 540874<br>136354 |
| 37     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 32.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1  | A12SE (W)                              | 579                          | 4       | 540612<br>136673 |
| 38     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 66.8<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1        | A7NE (SW)                              | 583                          | 4       | 540869<br>136335 |
| 39     | <b>OS Water Network Lines</b><br>Watercourse Form: Lake<br>Watercourse Length: 22.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1          | A9NW (SE)                              | 603                          | 4       | 541561<br>136273 |
| 40     | <b>OS Water Network Lines</b><br>Watercourse Form: Lake<br>Watercourse Length: 36.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1          | A9NW (SE)                              | 603                          | 4       | 541561<br>136273 |
| 41     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 5.3<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1         | A12SE (W)                              | 607                          | 4       | 540590<br>136654 |
| 42     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 273.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1 | A12SE (W)                              | 612                          | 4       | 540585<br>136652 |
| 43     | <b>OS Water Network Lines</b><br>Watercourse Form: Lake<br>Watercourse Length: 30.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1          | A9NW (SE)                              | 623                          | 4       | 541563<br>136250 |
| 44     | <b>OS Water Network Lines</b><br>Watercourse Form: Lake<br>Watercourse Length: 13.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1          | A9NW (SE)                              | 623                          | 4       | 541563<br>136250 |



| Map ID | Details                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 45     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 19.9<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1        | A9NW (SE)                              | 631                          | 4       | 541575<br>136248 |
| 46     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 167.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1 | A7NE (SW)                              | 650                          | 4       | 540829<br>136281 |
| 47     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 114.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1 | A9NW (SE)                              | 651                          | 4       | 541582<br>136229 |
| 48     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 15.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1  | A19SW (NE)                             | 656                          | 4       | 541582<br>137546 |
| 49     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 5.6<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1         | A19SW (NE)                             | 659                          | 4       | 541596<br>137540 |
| 50     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 12.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1  | A19SW (NE)                             | 660                          | 4       | 541602<br>137538 |
| 51     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 136.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1 | A19SW (NE)                             | 689                          | 4       | 541799<br>137404 |
| 52     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 102.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1 | A19SW (NE)                             | 701                          | 4       | 541816<br>137401 |
| 53     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 14.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1  | A12NW (NW)                             | 710                          | 4       | 540527<br>137194 |

| Map ID | Details                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 54     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 3.0<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1         | A12NW (NW)                             | 723                          | 4       | 540513<br>137196 |
| 55     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 94.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1  | A12NW (NW)                             | 726                          | 4       | 540510<br>137197 |
| 56     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 17.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1  | A17SE (NW)                             | 734                          | 4       | 540606<br>137367 |
| 57     | <b>OS Water Network Lines</b><br>Watercourse Form: Lake<br>Watercourse Length: 127.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1         | A17SE (NW)                             | 745                          | 4       | 540589<br>137361 |
| 58     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 109.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1 | A9NE (SE)                              | 749                          | 4       | 541937<br>136480 |
| 59     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 296.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1 | A9NW (SE)                              | 750                          | 4       | 541834<br>136305 |
| 60     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 11.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1  | A9SW (SE)                              | 754                          | 4       | 541613<br>136129 |
| 61     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 78.9<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1        | A9NW (SE)                              | 756                          | 4       | 541883<br>136367 |
| 62     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 12.9<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1        | A9NW (SE)                              | 757                          | 4       | 541883<br>136367 |

| Map ID | Details                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 63     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 17.2<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1        | A9NW (SE)                              | 757                          | 4       | 541885<br>136370 |
| 64     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 4.7<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1         | A9SW (SE)                              | 763                          | 4       | 541612<br>136118 |
| 65     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 204.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1 | A9SW (SE)                              | 765                          | 4       | 541609<br>136114 |
| 66     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 97.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1  | A9NW (SE)                              | 766                          | 4       | 541896<br>136370 |
| 67     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 6.2<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1         | A19SW (NE)                             | 772                          | 4       | 541820<br>137502 |
| 68     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 326.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1 | A19SW (NE)                             | 778                          | 4       | 541822<br>137508 |
| 69     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 6.9<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1         | A7SE (SW)                              | 802                          | 4       | 540730<br>136164 |
| 70     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 61.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1  | A8SE (S)                               | 806                          | 4       | 541473<br>136017 |
| 71     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 165.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1 | A7SE (SW)                              | 809                          | 4       | 540724<br>136161 |



| Map ID | Details                                                                                                                                                                                                                          | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 72     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 83.8<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1       | A7NW (SW)                              | 816                          | 4       | 540440<br>136477 |
| 73     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 70.6<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1       | A12NW (W)                              | 817                          | 4       | 540419<br>137217 |
| 74     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 89.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1 | A12NW (W)                              | 817                          | 4       | 540419<br>137217 |
| 75     | <b>OS Water Network Lines</b><br>Watercourse Form: Lake<br>Watercourse Length: 21.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1         | A17SW (NW)                             | 827                          | 4       | 540468<br>137324 |
| 76     | <b>OS Water Network Lines</b><br>Watercourse Form: Lake<br>Watercourse Length: 145.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1        | A17SW (NW)                             | 827                          | 4       | 540468<br>137324 |
| 77     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 5.8<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1        | A17SW (NW)                             | 830                          | 4       | 540453<br>137307 |
| 78     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 19.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1 | A17SW (NW)                             | 831                          | 4       | 540449<br>137303 |
| 79     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 22.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1 | A17SW (NW)                             | 836                          | 4       | 540435<br>137290 |
| 80     | <b>OS Water Network Lines</b><br>Watercourse Form: Lake<br>Watercourse Length: 15.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1         | A17SW (NW)                             | 854                          | 4       | 540522<br>137459 |

| Map ID | Details                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 81     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 5.8<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1         | A17SW (NW)                             | 854                          | 4       | 540519 137454 |
| 82     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 43.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1  | A17SW (NW)                             | 858                          | 4       | 540533 137481 |
| 83     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 126.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1 | A8SE (S)                               | 860                          | 4       | 541518 135974 |
| 84     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 269.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1 | A7NW (SW)                              | 879                          | 4       | 540416 136394 |
| 85     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 33.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1  | A12NW (W)                              | 880                          | 4       | 540348 137213 |
| 86     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 666.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1 | A7NW (SW)                              | 882                          | 4       | 540404 136406 |
| 87     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 108.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1 | A12NW (W)                              | 893                          | 4       | 540301 137118 |
| 88     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 2.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1   | A12NW (W)                              | 897                          | 4       | 540291 137102 |
| 89     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 4.9<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1         | A12NW (W)                              | 898                          | 4       | 540323 137199 |

| Map ID | Details                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 90     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 214.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1 | A12NW (W)                              | 899                          | 4       | 540289<br>137102 |
| 91     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 35.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1  | A12NW (W)                              | 901                          | 4       | 540318<br>137197 |
| 92     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 326.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1 | A12NW (W)                              | 927                          | 4       | 540291<br>137197 |
| 93     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 117.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1 | A19NW (NE)                             | 935                          | 4       | 541687<br>137808 |
| 94     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 5.7<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1         | A3NE (S)                               | 953                          | 4       | 541467<br>135863 |
| 95     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 104.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1 | A3NE (S)                               | 958                          | 4       | 541466<br>135858 |
| 96     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 6.0<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1         | A7SE (SW)                              | 962                          | 4       | 540605<br>136058 |
| 97     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 74.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1  | A7SE (SW)                              | 968                          | 4       | 540602<br>136053 |
| 98     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 246.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1 | A11NE (W)                              | 974                          | 4       | 540184<br>136905 |



| Map ID | Details                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 99     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 5.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1   | A11NE (W)                              | 979                          | 4       | 540180<br>136925 |
| 100    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 11.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1  | A11NE (W)                              | 979                          | 4       | 540180<br>136925 |
| 101    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 6.9<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1         | A11NE (W)                              | 983                          | 4       | 540176<br>136928 |
| 102    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 140.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Medway<br>Primacy: 1 | A11NE (W)                              | 988                          | 4       | 540171<br>136933 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 103    | <b>Historical Landfill Sites</b><br>Licence Holder: Not Supplied<br>Location: Ivy Dene Lane, Ashurst<br>Name: Ashurstwood<br>Operator Location: Not Supplied<br>Boundary Accuracy: As Supplied<br>Provider Reference: EAHLD19178<br>First Input Date: Not Supplied<br>Last Input Date: Not Supplied<br>Specified Waste: Not Supplied<br>Type:<br>EA Waste Ref: 0<br>Regis Ref: Not Supplied<br>WRC Ref: Not Supplied<br>BGS Ref: Not Supplied<br>Other Ref: WD27/91 | A14NW (NE)                             | 359                          | 2       | 541625<br>137057 |
|        | <b>Local Authority Landfill Coverage</b><br>Name: Mid Sussex District Council<br>- Has supplied landfill data                                                                                                                                                                                                                                                                                                                                                       |                                        | 0                            | 5       | 541231<br>136886 |
|        | <b>Local Authority Landfill Coverage</b><br>Name: West Sussex County Council<br>- Has supplied landfill data                                                                                                                                                                                                                                                                                                                                                        |                                        | 0                            | 6       | 541231<br>136886 |
|        | <b>Local Authority Landfill Coverage</b><br>Name: East Sussex County Council<br>- Has supplied landfill data                                                                                                                                                                                                                                                                                                                                                        |                                        | 539                          | 8       | 540766<br>136485 |
|        | <b>Local Authority Landfill Coverage</b><br>Name: Wealden District Council<br>- Has supplied landfill data                                                                                                                                                                                                                                                                                                                                                          |                                        | 539                          | 7       | 540766<br>136485 |
| 104    | <b>Local Authority Recorded Landfill Sites</b><br>Location: Ivydene Lane, Ashurst Wood<br>Reference: GR/121/74<br>Authority: West Sussex County Council, Environment & Development<br><b>Last Reported Status:</b> Unknown<br>Types of Waste: Not Supplied<br>Date of Closure: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m<br>Boundary Quality: Not Applicable                                                                          | A14NW (E)                              | 419                          | 6       | 541700<br>137000 |
| 105    | <b>Potentially Infilled Land (Non-Water)</b><br>Bearing Ref: W<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1980                                                                                                                                                                                                                                                                                                                             | A13SW (W)                              | 149                          | -       | 541009<br>136862 |
| 106    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1961                                                                                                                                                                                                                                                                                                                              | A14SE (E)                              | 709                          | -       | 541990<br>136881 |
| 107    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1961                                                                                                                                                                                                                                                                                                                              | A17NE (NW)                             | 788                          | -       | 540795<br>137635 |
| 108    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1961                                                                                                                                                                                                                                                                                                                              | A14NE (E)                              | 897                          | -       | 542169<br>137092 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                        | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>BGS 1:625,000 Solid Geology</b><br>Description: Wealden Group                                                                                                                                                                                                                                                                               | A13SE (SW)                             | 0                            | 1       | 541231 136886 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Sediment<br>Arsenic Concentration: 15 - 25 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: <100 mg/kg<br>Nickel Concentration: 15 - 30 mg/kg | A13NE (N)                              | 0                            | 1       | 541253 136968 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Sediment<br>Arsenic Concentration: <15 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: <100 mg/kg<br>Nickel Concentration: 15 - 30 mg/kg     | A13SE (SW)                             | 0                            | 1       | 541231 136886 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Sediment<br>Arsenic Concentration: 15 - 25 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: <100 mg/kg<br>Nickel Concentration: 15 - 30 mg/kg | A13SW (S)                              | 117                          | 1       | 541191 136690 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Sediment<br>Arsenic Concentration: 15 - 25 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: <100 mg/kg<br>Nickel Concentration: 15 - 30 mg/kg | A17SE (NW)                             | 512                          | 1       | 540846 137317 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Sediment<br>Arsenic Concentration: 15 - 25 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: <100 mg/kg<br>Nickel Concentration: 15 - 30 mg/kg | A14NE (E)                              | 603                          | 1       | 541897 136925 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Sediment<br>Arsenic Concentration: <15 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: <100 mg/kg<br>Nickel Concentration: 15 - 30 mg/kg     | A14NE (E)                              | 667                          | 1       | 541941 137064 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Sediment<br>Arsenic <15 mg/kg<br>Concentration:<br>Cadmium <1.8 mg/kg<br>Concentration:<br>Chromium 60 - 90 mg/kg<br>Concentration:<br>Lead Concentration: <100 mg/kg<br>Nickel 15 - 30 mg/kg<br>Concentration:                                                                                                                                    | A9SW (SE)                              | 675                          | 1       | 541584 136202 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Sediment<br>Arsenic <15 mg/kg<br>Concentration:<br>Cadmium <1.8 mg/kg<br>Concentration:<br>Chromium 60 - 90 mg/kg<br>Concentration:<br>Lead Concentration: <100 mg/kg<br>Nickel 15 - 30 mg/kg<br>Concentration:                                                                                                                                    | A7NW (SW)                              | 809                          | 1       | 540436 136500 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Sediment<br>Arsenic <15 mg/kg<br>Concentration:<br>Cadmium <1.8 mg/kg<br>Concentration:<br>Chromium 60 - 90 mg/kg<br>Concentration:<br>Lead Concentration: <100 mg/kg<br>Nickel 15 - 30 mg/kg<br>Concentration:                                                                                                                                    | A7NW (W)                               | 952                          | 1       | 540267 136529 |
| 109    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Luxford'S Wood<br>Location: Ashurst Wood, East Grinstead, Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 150531<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Lower Tunbridge Wells Sand<br>Commodity: Sandstone<br>Positional Accuracy: Located by supplier to within 10m     | A13SW (W)                              | 153                          | 1       | 541005 136867 |
| 110    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Ashurst Wood<br>Location: Ashurst Wood, East Grinstead, Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 150530<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Lower Tunbridge Wells Sand<br>Commodity: Sandstone<br>Positional Accuracy: Located by supplier to within 10m       | A14SW (E)                              | 500                          | 1       | 541764 136778 |
| 111    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Fowl Wood Sand Pit<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 150526<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Lower Tunbridge Wells Sand<br>Commodity: Sand<br>Positional Accuracy: Located by supplier to within 10m | A18NE (N)                              | 595                          | 1       | 541247 137581 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 112    | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127107<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m    | A9SW (SE)                              | 801                          | 1       | 541666<br>136104 |
| 112    | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127108<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m    | A9SW (SE)                              | 818                          | 1       | 541664<br>136084 |
| 112    | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127109<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m    | A9SW (SE)                              | 834                          | 1       | 541661<br>136063 |
| 113    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Minepit Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127088<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A8SW (S)                               | 843                          | 1       | 541007<br>135986 |
| 113    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Minepit Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127089<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A8SW (S)                               | 851                          | 1       | 541018<br>135974 |
| 113    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Minepit Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127087<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A8SW (S)                               | 874                          | 1       | 540981<br>135961 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 114    | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127106<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A8SE (S)                               | 857                          | 1       | 541399 135948 |
| 114    | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127105<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A8SE (S)                               | 878                          | 1       | 541394 135926 |
| 115    | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127101<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A8SE (S)                               | 858                          | 1       | 541341 135939 |
| 115    | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127103<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A8SE (S)                               | 861                          | 1       | 541371 135940 |
| 115    | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127100<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A8SE (S)                               | 863                          | 1       | 541324 135933 |
| 115    | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127102<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A8SE (S)                               | 873                          | 1       | 541358 135926 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 115    | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127104<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A8SE (S)                               | 874                          | 1       | 541371<br>135927 |
| 116    | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127099<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A8SE (S)                               | 863                          | 1       | 541293<br>135931 |
| 116    | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127098<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A8SE (S)                               | 866                          | 1       | 541272<br>135927 |
| 116    | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127097<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A8SE (S)                               | 883                          | 1       | 541264<br>135910 |
| 117    | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127094<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A8SW (S)                               | 872                          | 1       | 541214<br>135922 |
| 117    | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127096<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A8SE (S)                               | 879                          | 1       | 541242<br>135914 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 117    | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127095<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m    | A8SE (S)                               | 885                          | 1       | 541228<br>135908 |
| 118    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Minepit Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127086<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A8SW (S)                               | 879                          | 1       | 540945<br>135968 |
| 118    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Minepit Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127085<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A8SW (S)                               | 882                          | 1       | 540906<br>135980 |
| 119    | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127110<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m    | A9SW (SE)                              | 880                          | 1       | 541668<br>136015 |
| 120    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Minepit Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127083<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A7SE (SW)                              | 883                          | 1       | 540855<br>136000 |
| 120    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Minepit Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127084<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A7SE (S)                               | 890                          | 1       | 540876<br>135984 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 121    | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127111<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m    | A9SW (SE)                              | 930                          | 1       | 541665 135957 |
| 121    | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127112<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m    | A9SW (SE)                              | 954                          | 1       | 541656 135927 |
| 121    | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127113<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m    | A9SW (SE)                              | 971                          | 1       | 541681 135920 |
| 122    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Minepit Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127092<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A3NW (S)                               | 941                          | 1       | 541115 135862 |
| 122    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Minepit Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127091<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A3NW (S)                               | 945                          | 1       | 541084 135863 |
| 122    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Minepit Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127090<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A3NW (S)                               | 946                          | 1       | 541067 135865 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 122    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Minepit Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127093<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m | A3NW (S)                               | 957                          | 1       | 541092<br>135849 |
| 123    | <b>BGS Recorded Mineral Sites</b><br>Site Name: High Wood Ironstone Pits<br>Location: Ashurst Wood, East Grinstead, West Sussex<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 127114<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: Wadhurst Clay Formation<br>Commodity: Iron Ore - Ironstone<br>Positional Accuracy: Located by supplier to within 10m    | A9SW (SE)                              | 987                          | 1       | 541702<br>135912 |
|        | <b>BGS Measured Urban Soil Chemistry</b><br>No data available                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                        |                              |         |                  |
|        | <b>BGS Urban Soil Chemistry Averages</b><br>No data available                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                        |                              |         |                  |
|        | <b>Coal Mining Affected Areas</b><br>In an area that might not be affected by coal mining                                                                                                                                                                                                                                                                                                                                                                                                                          |                                        |                              |         |                  |
|        | <b>Natural Cavities</b><br>Easting: 542000<br>Northing: 136300<br>Distance: 892<br>Quadrant Reference: A9<br>Quadrant Reference: NE<br>Bearing Ref: SE<br>Cavity Type: Gulls/Fissures due to Cambering<br>Solid Geology Detail: Tunbridge Wells Sand Formation, Wadhurst Clay Formation<br>Superficial Geology No Details<br>Detail:                                                                                                                                                                               | A9NE (SE)                              | 892                          | 9       | 542000<br>136300 |
|        | <b>Natural Cavities</b><br>Easting: 542000<br>Northing: 136300<br>Distance: 892<br>Quadrant Reference: A9<br>Quadrant Reference: NE<br>Bearing Ref: SE<br>Cavity Type: Gulls/Fissures due to Cambering<br>Solid Geology Detail: Tunbridge Wells Sand Formation, Wadhurst Clay Formation<br>Superficial Geology No Details<br>Detail:                                                                                                                                                                               | A9NE (SE)                              | 892                          | 9       | 542000<br>136300 |
|        | <b>Non Coal Mining Areas of Great Britain</b><br>Risk: Highly Unlikely<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                                                                                                                                                                                                                                                                               | A13SW (S)                              | 117                          | 1       | 541191<br>136690 |
|        | <b>Potential for Collapsible Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                                                                                                                                                                                                                                                              | A13SE (SW)                             | 0                            | 1       | 541231<br>136886 |
|        | <b>Potential for Compressible Ground Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                                                                                                                                                                                                                                                            | A13SE (SW)                             | 0                            | 1       | 541231<br>136886 |
|        | <b>Potential for Ground Dissolution Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                                                                                                                                                                                                                                                             | A13SE (SW)                             | 0                            | 1       | 541231<br>136886 |
|        | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                                                                                                                                                                                                                                                                | A13SE (SW)                             | 0                            | 1       | 541231<br>136886 |

| Map ID | Details                                                                                                                                                                                                                                                                   | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                            | A13NE (NE)                             | 98                           | 1       | 541380 136964 |
|        | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Moderate<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                       | A13SW (S)                              | 117                          | 1       | 541191 136690 |
|        | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                            | A13SW (S)                              | 119                          | 1       | 541182 136692 |
|        | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Moderate<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                       | A13SW (S)                              | 191                          | 1       | 541151 136626 |
|        | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Moderate<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                       | A13SW (SW)                             | 221                          | 1       | 541023 136675 |
|        | <b>Potential for Running Sand Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                    | A13SE (SW)                             | 0                            | 1       | 541231 136886 |
|        | <b>Potential for Running Sand Ground Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                   | A13NE (N)                              | 0                            | 1       | 541253 136968 |
|        | <b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                      | A13NE (N)                              | 0                            | 1       | 541253 136968 |
|        | <b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service                                                                                     | A13SE (SW)                             | 0                            | 1       | 541231 136886 |
|        | <b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b><br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                           | A13SW (S)                              | 117                          | 1       | 541191 136690 |
|        | <b>Radon Potential - Radon Affected Areas</b><br>Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level).<br>Source: British Geological Survey, National Geoscience Information Service | A13SE (SW)                             | 0                            | 1       | 541231 136886 |
|        | <b>Radon Potential - Radon Protection Measures</b><br>Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions<br>Source: British Geological Survey, National Geoscience Information Service                     | A13SE (SW)                             | 0                            | 1       | 541231 136886 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 124    | <b>Contemporary Trade Directory Entries</b><br>Name: Motorcycle Doctor Sussex<br>Location: 3 Ivy Dene Lane, Ashurst Wood, East Grinstead, West Sussex, RH19 3TN<br>Classification: Mot Testing Centres<br><b>Status: Active</b><br>Positional Accuracy: Manually positioned within the geographical locality                           | A13SE (E)                              | 277                          | -       | 541555<br>136887 |
| 125    | <b>Contemporary Trade Directory Entries</b><br>Name: Abbeywood Auto Services<br>Location: 1, Frugal Cottages, Ivy Dene Lane, Ashurst Wood, East Grinstead, West Sussex, RH19 3TN<br>Classification: Car Body Repairs<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                        | A14SW (E)                              | 309                          | -       | 541572<br>136778 |
| 125    | <b>Contemporary Trade Directory Entries</b><br>Name: Carewell<br>Location: 1, Frugal Cottages, Ivy Dene Lane, Ashurst Wood, East Grinstead, West Sussex, RH19 3TN<br>Classification: Garage Services<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                                        | A14SW (E)                              | 309                          | -       | 541572<br>136778 |
| 126    | <b>Contemporary Trade Directory Entries</b><br>Name: Easterbrook Cleaning Services<br>Location: Dene House, Ivy Dene Lane, Ashurst Wood, East Grinstead, West Sussex, RH19 3TN<br>Classification: Cleaning Services - Commercial<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address            | A14SW (E)                              | 317                          | -       | 541583<br>136841 |
| 126    | <b>Contemporary Trade Directory Entries</b><br>Name: M A Sports Ltd<br>Location: Ivy Dene Lane, Ashurst Wood, East Grinstead, West Sussex, RH19 3TN<br>Classification: Sports Equipment Manufacturers & Distributors<br><b>Status: Inactive</b><br>Positional Accuracy: Manually positioned to the road within the address or location | A14SW (E)                              | 326                          | -       | 541592<br>136825 |
| 126    | <b>Contemporary Trade Directory Entries</b><br>Name: All Ways Electrical Services<br>Location: Ivy Dene La, Ashurst Wood, East Grinstead, West Sussex, RH19 3TN<br>Classification: Electrical Engineers<br><b>Status: Inactive</b><br>Positional Accuracy: Manually positioned to the road within the address or location              | A14SW (E)                              | 335                          | -       | 541606<br>136852 |
| 126    | <b>Contemporary Trade Directory Entries</b><br>Name: Motorcycle Doctor Sussex<br>Location: 2, Ivy Dene Lane, Ashurst Wood, East Grinstead, West Sussex, RH19 3TN<br>Classification: Motor Cycle Repairs<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                                     | A14SW (E)                              | 357                          | -       | 541624<br>136836 |
| 126    | <b>Contemporary Trade Directory Entries</b><br>Name: A P I Ltd<br>Location: 2, Ivy Dene Lane, Ashurst Wood, EAST GRINSTEAD, West Sussex, RH19 3TN<br>Classification: Office Furniture & Equipment<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                                           | A14SW (E)                              | 357                          | -       | 541624<br>136836 |
| 126    | <b>Contemporary Trade Directory Entries</b><br>Name: Ashurst Wood Mot Centre Ltd<br>Location: 2, Ivy Dene Ind Est, Ivy Dene Lane, Ashurst Wood, East Grinstead, West Sussex, RH19 3TN<br>Classification: Mot Testing Centres<br><b>Status: Inactive</b><br>Positional Accuracy: Manually positioned to the address or location         | A14SW (E)                              | 357                          | -       | 541624<br>136836 |
| 126    | <b>Contemporary Trade Directory Entries</b><br>Name: Ashurst Wood M O T Centre<br>Location: 2, IVY DENE LANE, ASHURST WOOD, RH19 3TN<br>Classification: Mot Testing Centres<br><b>Status: Active</b><br>Positional Accuracy: Automatically positioned to the address                                                                   | A14SW (E)                              | 358                          | -       | 541625<br>136837 |
| 127    | <b>Contemporary Trade Directory Entries</b><br>Name: No More Ironing<br>Location: 8, Ivy Dene Lane, Ashurst Wood, East Grinstead, West Sussex, RH19 3TN<br>Classification: Ironing & Home Laundry Services<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                                  | A14SW (E)                              | 360                          | -       | 541634<br>136858 |



| Map ID | Details                                                                                                                                                                                                                                                                                                          | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 127    | <b>Contemporary Trade Directory Entries</b><br>Name: Dentons Electrics<br>Location: 7, WOODS HILL LANE, ASHURST WOOD, RH19 3RW<br>Classification: Electrical Engineers<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                                | A14SW (E)                              | 367                          | -       | 541633<br>136810 |
| 128    | <b>Contemporary Trade Directory Entries</b><br>Name: J V Auto Clinic<br>Location: Unit 1, Ivy Dene Lane, Ashurst Wood, East Grinstead, RH19 3TN<br>Classification: Garage Services<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                    | A14NW (E)                              | 386                          | -       | 541664<br>137012 |
| 128    | <b>Contemporary Trade Directory Entries</b><br>Name: Ashurstwood Mot Centre<br>Location: Unit 2, Ivy Dene Lane, Ashurst Wood, East Grinstead, West Sussex, RH19 3TN<br>Classification: Mot Testing Centres<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address            | A14NW (E)                              | 396                          | -       | 541672<br>137027 |
| 128    | <b>Contemporary Trade Directory Entries</b><br>Name: Baxford Engineering<br>Location: Unit 5, Ivy Dene Lane, Ashurst Wood, East Grinstead, West Sussex, RH19 3TN<br>Classification: Car Manufacturers<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                 | A14NW (E)                              | 396                          | -       | 541672<br>137027 |
| 128    | <b>Contemporary Trade Directory Entries</b><br>Name: Ivydene Ventilation<br>Location: Unit 2, Ivy Dene Lane, Ashurst Wood, East Grinstead, West Sussex, RH19 3TN<br>Classification: Ventilators & Ventilation Systems<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address | A14NW (E)                              | 396                          | -       | 541672<br>137027 |
| 128    | <b>Contemporary Trade Directory Entries</b><br>Name: A C Autos<br>Location: Unit 7, Ivy Dene Lane, Ashurst Wood, East Grinstead, West Sussex, RH19 3TN<br>Classification: Garage Services<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                             | A14NW (E)                              | 396                          | -       | 541672<br>137027 |
| 129    | <b>Contemporary Trade Directory Entries</b><br>Name: Eric Lamprell Blacksmith<br>Location: 1, The Forge, Wall Hill Road, Ashurst Wood, East Grinstead, West Sussex, RH19 3TQ<br>Classification: Wrought Ironwork<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address      | A9NE (SE)                              | 757                          | -       | 541970<br>136541 |
| 130    | <b>Contemporary Trade Directory Entries</b><br>Name: A S M G Transport<br>Location: Maypole Road, Ashurst Wood, East Grinstead, West Sussex, RH19 3QY<br>Classification: Freight Forwarders<br><b>Status:</b> Active<br>Positional Accuracy: Manually positioned to the address or location                      | A14SE (E)                              | 843                          | -       | 542106<br>136759 |
| 131    | <b>Contemporary Trade Directory Entries</b><br>Name: Heritage Antique Restoration<br>Location: 55, Maypole Road, Ashurst Wood, East Grinstead, RH19 3RB<br>Classification: Antiques - Repairing & Restoring<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address             | A14NE (E)                              | 891                          | -       | 542175<br>136953 |
| 132    | <b>Contemporary Trade Directory Entries</b><br>Name: Ashurst Wood Garage Services<br>Location: Phoenix Lane, Ashurst Wood, East Grinstead, West Sussex, RH19 3QZ<br>Classification: Garage Services<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                   | A14SE (E)                              | 894                          | -       | 542175<br>136872 |
| 133    | <b>Contemporary Trade Directory Entries</b><br>Name: Coastal Vale Ltd<br>Location: 107, Maypole Road, Ashurst Wood, East Grinstead, West Sussex, RH19 3RB<br>Classification: Freight Forwarders<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                       | A14NE (E)                              | 949                          | -       | 542218<br>137119 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                        | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 134    | <b>Contemporary Trade Directory Entries</b><br>Name: Chantrek Ltd<br>Location: Horseshoe Farm, Luxfords Lane, East Grinstead, West Sussex, RH19 4HL<br>Classification: Lifting Equipment<br>Status: <b>Inactive</b><br>Positional Accuracy: Automatically positioned to the address                                            | A7SE (SW)                              | 969                          | -       | 540562 136085 |
| 135    | <b>Points of Interest - Commercial Services</b><br>Name: Abbeywood Auto Services<br>Location: 1 Frugal Cottages, Ivy Dene Lane, Ashurst Wood, East Grinstead, RH19 3TN<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location        | A14SW (E)                              | 309                          | 10      | 541572 136778 |
| 135    | <b>Points of Interest - Commercial Services</b><br>Name: Ashurst Wood M O T Centre<br>Location: 2 Ivy Dene Lane, Ashurst Wood, RH19 3TN<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location                                       | A14SW (E)                              | 358                          | 10      | 541625 136837 |
| 136    | <b>Points of Interest - Commercial Services</b><br>Name: Motorcycle Doctor Sussex<br>Location: Units 2 and 3 Ivydene Industrial Estate, Ivy Dene Lane, Ashurst Wood, RH19 3TN<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A14NW (E)                              | 386                          | 10      | 541664 137012 |
| 136    | <b>Points of Interest - Commercial Services</b><br>Name: Auto Design Inc<br>Location: Unit 1, Ivy Dene Lane, Ashurst Wood, East Grinstead, RH19 3TN<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location                           | A14NW (E)                              | 396                          | 10      | 541672 137027 |
| 136    | <b>Points of Interest - Commercial Services</b><br>Name: J V Auto Clinic<br>Location: Unit 1a, Ivy Dene Lane, Ashurst Wood, East Grinstead, RH19 3TN<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location                          | A14NW (E)                              | 396                          | 10      | 541672 137027 |
| 136    | <b>Points of Interest - Commercial Services</b><br>Name: Ashurst Wood MOT Centre<br>Location: Unit 2, Ivy Dene Lane, Ashurst Wood, East Grinstead, RH19 3TN<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location                   | A14NW (E)                              | 396                          | 10      | 541672 137027 |
| 136    | <b>Points of Interest - Commercial Services</b><br>Name: L M Coachworks<br>Location: Unit 7, Ivy Dene Lane, Ashurst Wood, East Grinstead, RH19 3TN<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location                            | A14NW (E)                              | 396                          | 10      | 541672 137027 |
| 136    | <b>Points of Interest - Commercial Services</b><br>Name: A R C<br>Location: Unit 1, Ivy Dene Lane, Ashurst Wood, East Grinstead, RH19 3TN<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location                                     | A14NW (E)                              | 396                          | 10      | 541672 137027 |
| 137    | <b>Points of Interest - Commercial Services</b><br>Name: Eric Lamprell<br>Location: 1 The Forge, Wall Hill Road, Ashurst Wood, East Grinstead, RH19 3TQ<br>Category: Construction Services<br>Class Code: Metalworkers Including Blacksmiths<br>Positional Accuracy: Positioned to address or location                         | A9NE (SE)                              | 757                          | 10      | 541970 136541 |
| 137    | <b>Points of Interest - Commercial Services</b><br>Name: Eric Lamprell Blacksmith<br>Location: 1 The Forge, Wall Hill Road, Ashurst Wood, East Grinstead, RH19 3TQ<br>Category: Construction Services<br>Class Code: Metalworkers Including Blacksmiths<br>Positional Accuracy: Positioned to address or location              | A9NE (SE)                              | 760                          | 10      | 541974 136541 |
| 138    | <b>Points of Interest - Commercial Services</b><br>Name: A S M G Transport<br>Location: Maypole Road, Ashurst Wood, East Grinstead, RH19 3QY<br>Category: Transport, Storage and Delivery<br>Class Code: Distribution and Haulage<br>Positional Accuracy: Positioned to address or location                                    | A14SE (E)                              | 847                          | 10      | 542110 136756 |

| Map ID | Details                                                                                                                                                                                                                                                                        | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 139    | <b>Points of Interest - Commercial Services</b><br>Name: Coastal Vale Ltd<br>Location: 107 Maypole Road, Ashurst Wood, RH19 3RB<br>Category: Transport, Storage and Delivery<br>Class Code: Distribution and Haulage<br>Positional Accuracy: Positioned to address or location | A14NE (E)                              | 952                          | 10      | 542221 137116 |
| 140    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Ivydene Industrial Estate<br>Location: RH19<br>Category: Industrial Features<br>Class Code: Business Parks and Industrial Estates<br>Positional Accuracy: Positioned to an adjacent address or location      | A14NW (E)                              | 394                          | 10      | 541676 136986 |
| 141    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Works<br>Location: Not Supplied<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location                         | A9NE (SE)                              | 771                          | 10      | 541982 136530 |
| 142    | <b>Points of Interest - Public Infrastructure</b><br>Name: Filter Bed<br>Location: RH19<br>Category: Infrastructure and Facilities<br>Class Code: Waste Storage, Processing and Disposal<br>Positional Accuracy: Positioned to an adjacent address or location                 | A8NW (S)                               | 326                          | 10      | 541153 136481 |
| 143    | <b>Points of Interest - Public Infrastructure</b><br>Name: Sewage Pumping Station<br>Location: RH19<br>Category: Infrastructure and Facilities<br>Class Code: Waste Storage, Processing and Disposal<br>Positional Accuracy: Positioned to an adjacent address or location     | A14NE (NE)                             | 715                          | 10      | 541944 137222 |
| 143    | <b>Points of Interest - Public Infrastructure</b><br>Name: Sewage Pumping Station<br>Location: RH19<br>Category: Infrastructure and Facilities<br>Class Code: Waste Storage, Processing and Disposal<br>Positional Accuracy: Positioned to an adjacent address or location     | A14NE (NE)                             | 716                          | 10      | 541944 137223 |
| 144    | <b>Points of Interest - Public Infrastructure</b><br>Name: Sluice<br>Location: RH19<br>Category: Water<br>Class Code: Weirs, Sluices and Dams<br>Positional Accuracy: Positioned to an adjacent address or location                                                            | A12NW (NW)                             | 719                          | 10      | 540533 137224 |
| 144    | <b>Points of Interest - Public Infrastructure</b><br>Name: Sluice<br>Location: RH19<br>Category: Water<br>Class Code: Weirs, Sluices and Dams<br>Positional Accuracy: Positioned to an adjacent address or location                                                            | A12NW (NW)                             | 723                          | 10      | 540529 137225 |
| 145    | <b>Points of Interest - Public Infrastructure</b><br>Name: Sluice<br>Location: RH19<br>Category: Water<br>Class Code: Weirs, Sluices and Dams<br>Positional Accuracy: Positioned to an adjacent address or location                                                            | A17SE (NW)                             | 726                          | 10      | 540616 137369 |
| 145    | <b>Points of Interest - Public Infrastructure</b><br>Name: Sluice<br>Location: RH19<br>Category: Water<br>Class Code: Weirs, Sluices and Dams<br>Positional Accuracy: Positioned to an adjacent address or location                                                            | A17SE (NW)                             | 730                          | 10      | 540611 137367 |
| 146    | <b>Points of Interest - Public Infrastructure</b><br>Name: Sludge Tank<br>Location: RH19<br>Category: Infrastructure and Facilities<br>Class Code: Waste Storage, Processing and Disposal<br>Positional Accuracy: Positioned to an adjacent address or location                | A7NW (SW)                              | 767                          | 10      | 540501 136468 |
| 146    | <b>Points of Interest - Public Infrastructure</b><br>Name: Sewage Works<br>Location: RH19<br>Category: Infrastructure and Facilities<br>Class Code: Waste Storage, Processing and Disposal<br>Positional Accuracy: Positioned to an adjacent address or location               | A7NW (SW)                              | 775                          | 10      | 540496 136461 |



| Map ID | Details                                                                                                                                                                                                                                              | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 146    | <b>Points of Interest - Public Infrastructure</b><br>Name: Sewage Works<br>Location: RH19<br>Category: Infrastructure and Facilities<br>Class Code: Waste Storage, Processing and Disposal<br>Positional Accuracy: Positioned to address or location | A7NW (SW)                              | 817                          | 10      | 540497 136381 |
| 147    | <b>Points of Interest - Public Infrastructure</b><br>Name: Sluice<br>Location: RH19<br>Category: Water<br>Class Code: Weirs, Sluices and Dams<br>Positional Accuracy: Positioned to an adjacent address or location                                  | A17SW (NW)                             | 783                          | 10      | 540538 137348 |
| 147    | <b>Points of Interest - Public Infrastructure</b><br>Name: Sluice<br>Location: RH19<br>Category: Water<br>Class Code: Weirs, Sluices and Dams<br>Positional Accuracy: Positioned to an adjacent address or location                                  | A17SW (NW)                             | 786                          | 10      | 540534 137347 |
| 147    | <b>Points of Interest - Public Infrastructure</b><br>Name: Sluice<br>Location: RH19<br>Category: Water<br>Class Code: Weirs, Sluices and Dams<br>Positional Accuracy: Positioned to an adjacent address or location                                  | A17SW (NW)                             | 811                          | 10      | 540496 137338 |
| 147    | <b>Points of Interest - Public Infrastructure</b><br>Name: Sluices<br>Location: RH19<br>Category: Water<br>Class Code: Weirs, Sluices and Dams<br>Positional Accuracy: Positioned to an adjacent address or location                                 | A17SW (NW)                             | 837                          | 10      | 540445 137307 |
| 147    | <b>Points of Interest - Public Infrastructure</b><br>Name: Sluices<br>Location: RH19<br>Category: Water<br>Class Code: Weirs, Sluices and Dams<br>Positional Accuracy: Positioned to an adjacent address or location                                 | A17SW (NW)                             | 840                          | 10      | 540441 137307 |
| 147    | <b>Points of Interest - Public Infrastructure</b><br>Name: Weirs<br>Location: RH19<br>Category: Water<br>Class Code: Weirs, Sluices and Dams<br>Positional Accuracy: Positioned to an adjacent address or location                                   | A17SW (NW)                             | 859                          | 10      | 540473 137387 |
| 147    | <b>Points of Interest - Public Infrastructure</b><br>Name: Weirs<br>Location: RH19<br>Category: Water<br>Class Code: Weirs, Sluices and Dams<br>Positional Accuracy: Positioned to an adjacent address or location                                   | A17SW (NW)                             | 859                          | 10      | 540473 137388 |
| 148    | <b>Points of Interest - Public Infrastructure</b><br>Name: Sluice<br>Location: RH19<br>Category: Water<br>Class Code: Weirs, Sluices and Dams<br>Positional Accuracy: Positioned to an adjacent address or location                                  | A17SW (NW)                             | 849                          | 10      | 540525 137454 |
| 149    | <b>Points of Interest - Public Infrastructure</b><br>Name: Weir<br>Location: RH19<br>Category: Water<br>Class Code: Weirs, Sluices and Dams<br>Positional Accuracy: Positioned to an adjacent address or location                                    | A12NW (W)                              | 907                          | 10      | 540282 137105 |
| 149    | <b>Points of Interest - Public Infrastructure</b><br>Name: Weir<br>Location: RH19<br>Category: Water<br>Class Code: Weirs, Sluices and Dams<br>Positional Accuracy: Positioned to an adjacent address or location                                    | A12NW (W)                              | 917                          | 10      | 540283 137143 |
| 149    | <b>Points of Interest - Public Infrastructure</b><br>Name: Weir<br>Location: RH19<br>Category: Water<br>Class Code: Weirs, Sluices and Dams<br>Positional Accuracy: Positioned to an adjacent address or location                                    | A12NW (W)                              | 921                          | 10      | 540279 137143 |

| Map ID | Details                                                                                                                                                                                                                             | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 149    | <b>Points of Interest - Public Infrastructure</b><br>Name: Weir<br>Location: RH19<br>Category: Water<br>Class Code: Weirs, Sluices and Dams<br>Positional Accuracy: Positioned to an adjacent address or location                   | A12NW (W)                              | 942                          | 10      | 540279<br>137209 |
| 149    | <b>Points of Interest - Public Infrastructure</b><br>Name: Weir<br>Location: RH19<br>Category: Water<br>Class Code: Weirs, Sluices and Dams<br>Positional Accuracy: Positioned to an adjacent address or location                   | A12NW (W)                              | 943                          | 10      | 540269<br>137184 |
| 149    | <b>Points of Interest - Public Infrastructure</b><br>Name: Weir<br>Location: RH19<br>Category: Water<br>Class Code: Weirs, Sluices and Dams<br>Positional Accuracy: Positioned to an adjacent address or location                   | A17SW (W)                              | 963                          | 10      | 540265<br>137229 |
| 149    | <b>Points of Interest - Public Infrastructure</b><br>Name: Weir<br>Location: RH19<br>Category: Water<br>Class Code: Weirs, Sluices and Dams<br>Positional Accuracy: Positioned to an adjacent address or location                   | A17SW (W)                              | 965                          | 10      | 540263<br>137230 |
| 150    | <b>Points of Interest - Public Infrastructure</b><br>Name: Weirs<br>Location: RH19<br>Category: Water<br>Class Code: Weirs, Sluices and Dams<br>Positional Accuracy: Positioned to an adjacent address or location                  | A12NW (W)                              | 953                          | 10      | 540210<br>136969 |
| 150    | <b>Points of Interest - Public Infrastructure</b><br>Name: Weirs<br>Location: RH19<br>Category: Water<br>Class Code: Weirs, Sluices and Dams<br>Positional Accuracy: Positioned to an adjacent address or location                  | A11NE (W)                              | 959                          | 10      | 540204<br>136968 |
| 151    | <b>Points of Interest - Recreational and Environmental</b><br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A14SW (E)                              | 618                          | 10      | 541864<br>136665 |
| 151    | <b>Points of Interest - Recreational and Environmental</b><br>Name: Playground<br>Location: Chapel Lane, RH19<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to address or location        | A14SW (E)                              | 644                          | 10      | 541890<br>136664 |
| 152    | <b>Points of Interest - Recreational and Environmental</b><br>Name: Playground<br>Location: Wall Hill Road, RH19<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to address or location     | A9NE (SE)                              | 882                          | 10      | 542046<br>136400 |
| 152    | <b>Points of Interest - Recreational and Environmental</b><br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A9NE (SE)                              | 885                          | 10      | 542049<br>136398 |

| Map ID | Details                                                                                                                                     | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 153    | <b>Ancient Woodland</b><br>Name: Blunds Hole<br>Reference: 1480316<br>Area(m²): 16599.51<br>Type: Ancient and Semi-Natural Woodland         | A13SW (SW)                             | 0                            | 11      | 541170<br>136846 |
| 154    | <b>Ancient Woodland</b><br>Name: Chance Coppice<br>Reference: 1480283<br>Area(m²): 38186.38<br>Type: Ancient and Semi-Natural Woodland      | A13SW (SW)                             | 128                          | 11      | 541111<br>136722 |
| 155    | <b>Ancient Woodland</b><br>Name: Berry Wood<br>Reference: 1480504<br>Area(m²): 102552.94<br>Type: Ancient and Semi-Natural Woodland         | A13NE (NE)                             | 154                          | 11      | 541385<br>137062 |
| 156    | <b>Ancient Woodland</b><br>Name: Luxfords Wood<br>Reference: 1480317<br>Area(m²): 45266.11<br>Type: Ancient and Semi-Natural Woodland       | A13SW (W)                              | 236                          | 11      | 540926<br>136826 |
| 157    | <b>Ancient Woodland</b><br>Name: High Wood<br>Reference: 1482446<br>Area(m²): 181741.51<br>Type: Ancient and Semi-Natural Woodland          | A8NE (SE)                              | 385                          | 11      | 541485<br>136483 |
| 158    | <b>Ancient Woodland</b><br>Name: The Shaw<br>Reference: 1480489<br>Area(m²): 15114.47<br>Type: Ancient and Semi-Natural Woodland            | A12NE (NW)                             | 403                          | 11      | 540831<br>137104 |
| 159    | <b>Ancient Woodland</b><br>Name: The Lodge Shaw<br>Reference: 1480591<br>Area(m²): 4361.7<br>Type: Ancient and Semi-Natural Woodland        | A17SE (NW)                             | 455                          | 11      | 540863<br>137256 |
| 160    | <b>Ancient Woodland</b><br>Name: Chance Cottage Shaw<br>Reference: 1480275<br>Area(m²): 9220.03<br>Type: Ancient and Semi-Natural Woodland  | A8NW (SW)                              | 478                          | 11      | 540933<br>136418 |
| 161    | <b>Ancient Woodland</b><br>Name: Fowl Wood<br>Reference: 1480562<br>Area(m²): 109815.14<br>Type: Plantation on Ancient Woodland             | A18SE (N)                              | 486                          | 11      | 541288<br>137469 |
| 162    | <b>Ancient Woodland</b><br>Name: The Lodge Shawe<br>Reference: 1480496<br>Area(m²): 3122.72<br>Type: Ancient and Semi-Natural Woodland      | A18SW (NW)                             | 487                          | 11      | 540903<br>137344 |
| 163    | <b>Ancient Woodland</b><br>Name: Toll Shaw<br>Reference: 1480293<br>Area(m²): 22675.36<br>Type: Ancient and Semi-Natural Woodland           | A12SE (W)                              | 546                          | 11      | 540656<br>136653 |
| 164    | <b>Ancient Woodland</b><br>Name: Beeches Farm Shaw<br>Reference: 1480492<br>Area(m²): 8387.53<br>Type: Ancient and Semi-Natural Woodland    | A14NW (E)                              | 556                          | 11      | 541821<br>137091 |
| 165    | <b>Ancient Woodland</b><br>Name: Worsted Shaw2<br>Reference: 1480502<br>Area(m²): 2172.41<br>Type: Ancient and Semi-Natural Woodland        | A18SW (N)                              | 567                          | 11      | 541024<br>137509 |
| 166    | <b>Ancient Woodland</b><br>Name: Chance Cottage Shaw2<br>Reference: 1480265<br>Area(m²): 9616.05<br>Type: Ancient and Semi-Natural Woodland | A8NW (S)                               | 580                          | 11      | 541136<br>136225 |



| Map ID | Details                                                                                                                                                                                                                                                                                        | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 167    | <b>Ancient Woodland</b><br>Name: Fowl Wood<br>Reference: 1480505<br>Area(m²): 5111.98<br>Type: Ancient and Semi-Natural Woodland                                                                                                                                                               | A18SE (NE)                             | 619                          | 11      | 541512<br>137542 |
| 168    | <b>Ancient Woodland</b><br>Name: Home Farm Shaw<br>Reference: 1480582<br>Area(m²): 3748.26<br>Type: Ancient and Semi-Natural Woodland                                                                                                                                                          | A12NW (NW)                             | 731                          | 11      | 540511<br>137210 |
| 169    | <b>Ancient Woodland</b><br>Name: High Wood 2<br>Reference: 1482494<br>Area(m²): 25469.75<br>Type: Ancient and Semi-Natural Woodland                                                                                                                                                            | A9NW (SE)                              | 765                          | 11      | 541893<br>136368 |
| 170    | <b>Ancient Woodland</b><br>Name: Toll Wood2<br>Reference: 1480640<br>Area(m²): 19109.72<br>Type: Ancient and Semi-Natural Woodland                                                                                                                                                             | A12SW (W)                              | 770                          | 11      | 540389<br>136821 |
| 171    | <b>Ancient Woodland</b><br>Name: Minepit Wood<br>Reference: 1482509<br>Area(m²): 28784.08<br>Type: Ancient and Semi-Natural Woodland                                                                                                                                                           | A7SE (SW)                              | 806                          | 11      | 540860<br>136083 |
| 172    | <b>Ancient Woodland</b><br>Name: Shovelstrode Shaw<br>Reference: 1480507<br>Area(m²): 6617.31<br>Type: Ancient and Semi-Natural Woodland                                                                                                                                                       | A19NW (NE)                             | 834                          | 11      | 541842<br>137565 |
| 173    | <b>Ancient Woodland</b><br>Name: Pittlands Wood<br>Reference: 1480531<br>Area(m²): 84900.76<br>Type: Plantation on Ancient Woodland                                                                                                                                                            | A18NE (N)                              | 900                          | 11      | 541337<br>137880 |
| 174    | <b>Ancient Woodland</b><br>Name: Great Harwoods Farm Shaw2<br>Reference: 1480295<br>Area(m²): 8407.61<br>Type: Ancient and Semi-Natural Woodland                                                                                                                                               | A12NW (W)                              | 949                          | 11      | 540210<br>136911 |
| 175    | <b>Areas of Outstanding Natural Beauty</b><br>Name: High Weald<br>Multiple Areas: Y<br>Total Area (m2): 1461737820.6571908<br>Designation Date: 30th October 1983<br>Source: Natural England                                                                                                   | A13SE (SW)                             | 0                            | 11      | 541231<br>136886 |
| 176    | <b>Nitrate Vulnerable Zones</b><br>Name: Medway At Weir Wood Nvz<br>Description: Surface Water<br>Source: Environment Agency, Head Office                                                                                                                                                      | A13SE (SW)                             | 0                            | 3       | 541231<br>136886 |
| 177    | <b>Sites of Special Scientific Interest</b><br>Name: Mills Rocks<br>Multiple Areas: N<br>Total Area (m2): 19084.41<br>Source: Natural England<br>Reference: 1000560<br>Designation Details: Site Of Special Scientific Interest<br>Designation Date: 10th December 1985<br>Date Type: Notified | A13NE (E)                              | 117                          | 11      | 541407<br>136946 |

| Agency & Hydrological                                                                                                                                                                                                                                                                                                                                   | Version                                                                       | Update Cycle                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Contaminated Land Register Entries and Notices</b><br>Environment Agency - Head Office<br>Mid Sussex District Council - Environmental Services Section<br>Sevenoaks District Council - Environmental Health Department<br>Tandridge District Council - Environmental Health Department<br>Wealden District Council - Environmental Health Department | November 2023<br>October 2017<br>October 2017<br>October 2017<br>October 2017 | Annually<br>Annual Rolling Update<br>Annual Rolling Update<br>Annual Rolling Update<br>Annual Rolling Update |
| <b>Discharge Consents</b><br>Environment Agency - Southern Region                                                                                                                                                                                                                                                                                       | April 2024                                                                    | Quarterly                                                                                                    |
| <b>Enforcement and Prohibition Notices</b><br>Environment Agency - Southern Region                                                                                                                                                                                                                                                                      | March 2013                                                                    |                                                                                                              |
| <b>Integrated Pollution Controls</b><br>Environment Agency - Southern Region                                                                                                                                                                                                                                                                            | January 2009                                                                  |                                                                                                              |
| <b>Integrated Pollution Prevention And Control</b><br>Environment Agency - South East Region - Kent & South London Area<br>Environment Agency - South East Region - Solent & South Downs Area<br>Environment Agency - South East Region - West Thames Area<br>Environment Agency - Southern Region                                                      | October 2023<br>October 2023<br>October 2023<br>October 2023                  | Quarterly<br>Quarterly<br>Quarterly<br>Quarterly                                                             |
| <b>Local Authority Integrated Pollution Prevention And Control</b><br>Mid Sussex District Council - Environmental Services Section<br>Wealden District Council - Environmental Health Department<br>Tandridge District Council - Environmental Health Department<br>Sevenoaks District Council - Environmental Health Department                        | December 2020<br>December 2020<br>July 2015<br>September 2014                 | Variable<br>Variable<br>Variable<br>Variable                                                                 |
| <b>Local Authority Pollution Prevention and Controls</b><br>Mid Sussex District Council - Environmental Services Section<br>Wealden District Council - Environmental Health Department<br>Tandridge District Council - Environmental Health Department<br>Sevenoaks District Council - Environmental Health Department                                  | December 2020<br>December 2020<br>July 2015<br>September 2014                 | Annual Rolling Update<br>Annual Rolling Update<br>Annual Rolling Update<br>Annual Rolling Update             |
| <b>Local Authority Pollution Prevention and Control Enforcements</b><br>Tandridge District Council - Environmental Health Department<br>Wealden District Council - Environmental Health Department<br>Mid Sussex District Council - Environmental Services Section<br>Sevenoaks District Council - Environmental Health Department                      | July 2015<br>June 2014<br>September 2014<br>September 2014                    | Variable<br>Variable<br>Variable<br>Variable                                                                 |
| <b>Nearest Surface Water Feature</b><br>Ordnance Survey                                                                                                                                                                                                                                                                                                 | April 2024                                                                    |                                                                                                              |
| <b>Pollution Incidents to Controlled Waters</b><br>Environment Agency - Southern Region                                                                                                                                                                                                                                                                 | December 1999                                                                 |                                                                                                              |
| <b>Prosecutions Relating to Authorised Processes</b><br>Environment Agency - Southern Region                                                                                                                                                                                                                                                            | July 2015                                                                     |                                                                                                              |
| <b>Prosecutions Relating to Controlled Waters</b><br>Environment Agency - Southern Region                                                                                                                                                                                                                                                               | March 2013                                                                    |                                                                                                              |
| <b>Registered Radioactive Substances</b><br>Environment Agency - Southern Region<br>Environment Agency - Head Office                                                                                                                                                                                                                                    | May 2023<br>May 2023                                                          | As notified<br>Quarterly                                                                                     |
| <b>River Quality</b><br>Environment Agency - Head Office                                                                                                                                                                                                                                                                                                | November 2001                                                                 | Not Applicable                                                                                               |
| <b>River Quality Biology Sampling Points</b><br>Environment Agency - Head Office                                                                                                                                                                                                                                                                        | April 2012                                                                    |                                                                                                              |
| <b>River Quality Chemistry Sampling Points</b><br>Environment Agency - Head Office                                                                                                                                                                                                                                                                      | April 2012                                                                    |                                                                                                              |

| Agency & Hydrological                                               | Version        | Update Cycle |
|---------------------------------------------------------------------|----------------|--------------|
| <b>Substantiated Pollution Incident Register</b>                    |                |              |
| Environment Agency - South East Region - Kent & South London Area   | April 2024     | Quarterly    |
| Environment Agency - South East Region - Solent & South Downs Area  | April 2024     | Quarterly    |
| Environment Agency - South East Region - West Thames Area           | April 2024     | Quarterly    |
| Environment Agency - Southern Region - Kent Area                    | April 2024     | Quarterly    |
| Environment Agency - Southern Region - Kent and East Sussex         | April 2024     | Quarterly    |
| Environment Agency - Southern Region - Solent and South Downs       | April 2024     | Quarterly    |
| Environment Agency - Southern Region - Sussex Area                  | April 2024     | Quarterly    |
| <b>Water Abstractions</b>                                           |                |              |
| Environment Agency - Southern Region                                | April 2024     | Quarterly    |
| <b>Water Industry Act Referrals</b>                                 |                |              |
| Environment Agency - Southern Region                                | October 2017   |              |
| <b>Groundwater Vulnerability Map</b>                                |                |              |
| Environment Agency - Head Office                                    | June 2018      | As notified  |
| <b>Bedrock Aquifer Designations</b>                                 |                |              |
| Environment Agency - Head Office                                    | January 2018   | As notified  |
| <b>Superficial Aquifer Designations</b>                             |                |              |
| Environment Agency - Head Office                                    | January 2018   | As notified  |
| <b>Source Protection Zones</b>                                      |                |              |
| Environment Agency - Head Office                                    | September 2022 | Bi-Annually  |
| <b>Extreme Flooding from Rivers or Sea without Defences</b>         |                |              |
| Environment Agency - Head Office                                    | December 2023  | Quarterly    |
| <b>Flooding from Rivers or Sea without Defences</b>                 |                |              |
| Environment Agency - Head Office                                    | December 2023  | Quarterly    |
| <b>Areas Benefiting from Flood Defences</b>                         |                |              |
| Environment Agency - Head Office                                    | February 2023  |              |
| <b>Flood Water Storage Areas</b>                                    |                |              |
| Environment Agency - Head Office                                    | January 2024   | Quarterly    |
| <b>Flood Defences</b>                                               |                |              |
| Environment Agency - Head Office                                    | August 2022    |              |
| <b>OS Water Network Lines</b>                                       |                |              |
| Ordnance Survey                                                     | April 2024     | Quarterly    |
| <b>Surface Water 1 in 30 year Flood Extent</b>                      |                |              |
| Environment Agency - Head Office                                    | May 2018       | Annually     |
| <b>Surface Water 1 in 100 year Flood Extent</b>                     |                |              |
| Environment Agency - Head Office                                    | May 2018       | Annually     |
| <b>Surface Water 1 in 1000 year Flood Extent</b>                    |                |              |
| Environment Agency - Head Office                                    | May 2018       | Annually     |
| <b>Surface Water Suitability</b>                                    |                |              |
| Environment Agency - Head Office                                    | February 2016  | Annually     |
| <b>BGS Groundwater Flooding Susceptibility</b>                      |                |              |
| British Geological Survey - National Geoscience Information Service | May 2013       | As notified  |



| Waste                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Version                                                                                                                              | Update Cycle                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>BGS Recorded Landfill Sites</b><br>British Geological Survey - National Geoscience Information Service                                                                                                                                                                                                                                                                                                                                                                                                           | November 2002                                                                                                                        | As notified                                                                                                                                  |
| <b>Historical Landfill Sites</b><br>Environment Agency - Head Office                                                                                                                                                                                                                                                                                                                                                                                                                                                | May 2024                                                                                                                             | Quarterly                                                                                                                                    |
| <b>Integrated Pollution Control Registered Waste Sites</b><br>Environment Agency - Southern Region                                                                                                                                                                                                                                                                                                                                                                                                                  | January 2009                                                                                                                         | Not Applicable                                                                                                                               |
| <b>Licensed Waste Management Facilities (Landfill Boundaries)</b><br>Environment Agency - South East Region - Kent & South London Area<br>Environment Agency - South East Region - Solent & South Downs Area<br>Environment Agency - South East Region - West Thames Area<br>Environment Agency - Southern Region - Kent Area<br>Environment Agency - Southern Region - Kent and East Sussex<br>Environment Agency - Southern Region - Solent and South Downs<br>Environment Agency - Southern Region - Sussex Area | May 2024<br>May 2024<br>May 2024<br>May 2024<br>May 2024<br>May 2024<br>May 2024                                                     | Quarterly<br>Quarterly<br>Quarterly<br>Quarterly<br>Quarterly<br>Quarterly<br>Quarterly                                                      |
| <b>Licensed Waste Management Facilities (Locations)</b><br>Environment Agency - South East Region - Kent & South London Area<br>Environment Agency - South East Region - Solent & South Downs Area<br>Environment Agency - South East Region - West Thames Area<br>Environment Agency - Southern Region - Kent Area<br>Environment Agency - Southern Region - Kent and East Sussex<br>Environment Agency - Southern Region - Solent and South Downs<br>Environment Agency - Southern Region - Sussex Area           | January 2023<br>January 2023<br>January 2023<br>January 2023<br>January 2023<br>January 2023<br>January 2023                         | Quarterly<br>Quarterly<br>Quarterly<br>Quarterly<br>Quarterly<br>Quarterly<br>Quarterly                                                      |
| <b>Local Authority Landfill Coverage</b><br>East Sussex County Council - Waste Management Group<br>Kent County Council - Waste Management Group<br>Mid Sussex District Council - Environmental Services Section<br>Sevenoaks District Council<br>Surrey County Council<br>Tandridge District Council - Environmental Health Department<br>Wealden District Council - Environmental Health Department<br>West Sussex County Council - Environment & Development                                                      | February 2003<br>February 2003<br>February 2003<br>February 2003<br>February 2003<br>February 2003<br>February 2003<br>February 2003 | Not Applicable<br>Not Applicable<br>Not Applicable<br>Not Applicable<br>Not Applicable<br>Not Applicable<br>Not Applicable<br>Not Applicable |
| <b>Local Authority Recorded Landfill Sites</b><br>East Sussex County Council - Waste Management Group<br>Kent County Council - Waste Management Group<br>Mid Sussex District Council - Environmental Services Section<br>Sevenoaks District Council<br>Surrey County Council<br>Tandridge District Council - Environmental Health Department<br>Wealden District Council - Environmental Health Department<br>West Sussex County Council - Environment & Development                                                | October 2018<br>October 2018<br>October 2018<br>October 2018<br>October 2018<br>October 2018<br>October 2018<br>October 2018         |                                                                                                                                              |
| <b>Potentially Infilled Land (Non-Water)</b><br>Landmark Information Group Limited                                                                                                                                                                                                                                                                                                                                                                                                                                  | December 1999                                                                                                                        |                                                                                                                                              |
| <b>Potentially Infilled Land (Water)</b><br>Landmark Information Group Limited                                                                                                                                                                                                                                                                                                                                                                                                                                      | December 1999                                                                                                                        |                                                                                                                                              |
| <b>Registered Landfill Sites</b><br>Environment Agency - Southern Region - Kent Area<br>Environment Agency - Southern Region - Kent and East Sussex<br>Environment Agency - Southern Region - Solent and South Downs<br>Environment Agency - Southern Region - Sussex Area                                                                                                                                                                                                                                          | March 2006<br>March 2006<br>March 2006<br>March 2006                                                                                 | Not Applicable<br>Not Applicable<br>Not Applicable<br>Not Applicable                                                                         |
| <b>Registered Waste Transfer Sites</b><br>Environment Agency - Southern Region - Kent Area<br>Environment Agency - Southern Region - Kent and East Sussex<br>Environment Agency - Southern Region - Solent and South Downs<br>Environment Agency - Southern Region - Sussex Area                                                                                                                                                                                                                                    | April 2018<br>April 2018<br>April 2018<br>April 2018                                                                                 |                                                                                                                                              |

| Waste                                                                                                                                                                                                                                                                                                                                          | Version                                                                                                                           | Update Cycle                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>Registered Waste Treatment or Disposal Sites</b><br>Environment Agency - Southern Region - Kent Area<br>Environment Agency - Southern Region - Kent and East Sussex<br>Environment Agency - Southern Region - Solent and South Downs<br>Environment Agency - Southern Region - Sussex Area                                                  | June 2015<br>June 2015<br>June 2015<br>June 2015                                                                                  |                                                                                                           |
| Hazardous Substances                                                                                                                                                                                                                                                                                                                           | Version                                                                                                                           | Update Cycle                                                                                              |
| <b>Control of Major Accident Hazards Sites (COMAH)</b><br>Health and Safety Executive                                                                                                                                                                                                                                                          | January 2024                                                                                                                      | Bi-Annually                                                                                               |
| <b>Explosive Sites</b><br>Health and Safety Executive                                                                                                                                                                                                                                                                                          | March 2017                                                                                                                        |                                                                                                           |
| <b>Notification of Installations Handling Hazardous Substances (NIHHS)</b><br>Health and Safety Executive                                                                                                                                                                                                                                      | August 2001                                                                                                                       |                                                                                                           |
| <b>Planning Hazardous Substance Enforcements</b><br>Tandridge District Council<br>Wealden District Council<br>East Sussex County Council - Development Minerals & Waste<br>Mid Sussex District Council<br>Sevenoaks District Council<br>Surrey County Council<br>Kent County Council<br>West Sussex County Council - Environment & Development | February 2016<br>February 2016<br>February 2023<br>January 2016<br>June 2023<br>June 2023<br>May 2023<br>October 2006             | Variable<br>Variable<br>Variable<br>Variable<br>Variable<br>Variable<br>Variable<br>Annual Rolling Update |
| <b>Planning Hazardous Substance Consents</b><br>Sevenoaks District Council<br>Surrey County Council<br>Tandridge District Council<br>Wealden District Council<br>East Sussex County Council - Development Minerals & Waste<br>Kent County Council<br>Mid Sussex District Council<br>West Sussex County Council - Environment & Development     | February 2016<br>February 2016<br>February 2016<br>February 2016<br>February 2023<br>January 2016<br>January 2016<br>October 2006 | Variable<br>Variable<br>Variable<br>Variable<br>Variable<br>Variable<br>Variable<br>Annual Rolling Update |

| Geological                                                                                                                                         | Version                      | Update Cycle          |
|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|
| <b>BGS 1:625,000 Solid Geology</b><br>British Geological Survey - National Geoscience Information Service                                          | January 2009                 | As notified           |
| <b>BGS Estimated Soil Chemistry</b><br>British Geological Survey - National Geoscience Information Service                                         | December 2015                | As notified           |
| <b>BGS Recorded Mineral Sites</b><br>British Geological Survey - National Geoscience Information Service                                           | January 2024                 | Bi-Annually           |
| <b>CBSCB Compensation District</b><br>Cheshire Brine Subsidence Compensation Board (CBSCB)<br>Cheshire Brine Subsidence Compensation Board (CBSCB) | August 2011<br>November 2020 | As notified           |
| <b>Coal Mining Affected Areas</b><br>The Coal Authority - Property Searches                                                                        | February 2023                | Annual Rolling Update |
| <b>Mining Instability</b><br>Ove Arup & Partners                                                                                                   | June 1998                    | Not Applicable        |
| <b>Non Coal Mining Areas of Great Britain</b><br>British Geological Survey - National Geoscience Information Service                               | May 2015                     | Not Applicable        |
| <b>Potential for Collapsible Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                   | April 2020                   | As notified           |
| <b>Potential for Compressible Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                  | January 2019                 | As notified           |
| <b>Potential for Ground Dissolution Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                   | January 2019                 | As notified           |
| <b>Potential for Landslide Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                     | January 2019                 | As notified           |
| <b>Potential for Running Sand Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                  | January 2019                 | As notified           |
| <b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service    | January 2019                 | As notified           |
| <b>Radon Potential - Radon Affected Areas</b><br>British Geological Survey - National Geoscience Information Service                               | October 2023                 | Annually              |
| <b>Radon Potential - Radon Protection Measures</b><br>British Geological Survey - National Geoscience Information Service                          | October 2023                 | Annually              |



| Industrial Land Use                                                  | Version       | Update Cycle |
|----------------------------------------------------------------------|---------------|--------------|
| <b>Contemporary Trade Directory Entries</b><br>Thomson Directories   | June 2024     | Quarterly    |
| <b>Fuel Station Entries</b><br>Catalist Ltd - Experian               | February 2024 | Quarterly    |
| <b>Gas Pipelines</b><br>National Grid                                | October 2021  | Bi-Annually  |
| <b>Points of Interest - Commercial Services</b><br>PointX            | June 2024     | Quarterly    |
| <b>Points of Interest - Education and Health</b><br>PointX           | June 2024     | Quarterly    |
| <b>Points of Interest - Manufacturing and Production</b><br>PointX   | June 2024     | Quarterly    |
| <b>Points of Interest - Public Infrastructure</b><br>PointX          | June 2024     | Quarterly    |
| <b>Points of Interest - Recreational and Environmental</b><br>PointX | June 2024     | Quarterly    |
| <b>Underground Electrical Cables</b><br>National Grid                | January 2024  | Bi-Annually  |

| Sensitive Land Use                                                                                                                                          | Version                                          | Update Cycle                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| <b>Ancient Woodland</b><br>Natural England                                                                                                                  | April 2024                                       | Bi-Annually                                      |
| <b>Areas of Adopted Green Belt</b><br>Mid Sussex District Council<br>Sevenoaks District Council<br>Tandridge District Council<br>Wealden District Council   | July 2024<br>July 2024<br>July 2024<br>July 2024 | Quarterly<br>Quarterly<br>Quarterly<br>Quarterly |
| <b>Areas of Unadopted Green Belt</b><br>Mid Sussex District Council<br>Sevenoaks District Council<br>Tandridge District Council<br>Wealden District Council | July 2024<br>July 2024<br>July 2024<br>July 2024 | Quarterly<br>Quarterly<br>Quarterly<br>Quarterly |
| <b>Areas of Outstanding Natural Beauty</b><br>Natural England                                                                                               | May 2024                                         | Bi-Annually                                      |
| <b>Environmentally Sensitive Areas</b><br>Natural England                                                                                                   | August 2023                                      |                                                  |
| <b>Forest Parks</b><br>Forestry Commission                                                                                                                  | May 2023                                         | Not Applicable                                   |
| <b>Local Nature Reserves</b><br>Natural England                                                                                                             | February 2024                                    | Bi-Annually                                      |
| <b>Marine Nature Reserves</b><br>Natural England                                                                                                            | February 2024                                    | Bi-Annually                                      |
| <b>National Nature Reserves</b><br>Natural England                                                                                                          | February 2024                                    | Bi-Annually                                      |
| <b>National Parks</b><br>Natural England                                                                                                                    | February 2018                                    | Bi-Annually                                      |
| <b>Nitrate Sensitive Areas</b><br>Natural England                                                                                                           | April 2023                                       | Not Applicable                                   |
| <b>Nitrate Vulnerable Zones</b><br>Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)<br>Environment Agency - Head Office           | April 2016<br>April 2024                         | Bi-Annually                                      |
| <b>Ramsar Sites</b><br>Natural England                                                                                                                      | February 2024                                    | Bi-Annually                                      |
| <b>Sites of Special Scientific Interest</b><br>Natural England                                                                                              | April 2024                                       | Bi-Annually                                      |
| <b>Special Areas of Conservation</b><br>Natural England                                                                                                     | April 2024                                       | Bi-Annually                                      |
| <b>Special Protection Areas</b><br>Natural England                                                                                                          | April 2024                                       | Bi-Annually                                      |

A selection of organisations who provide data within this report

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



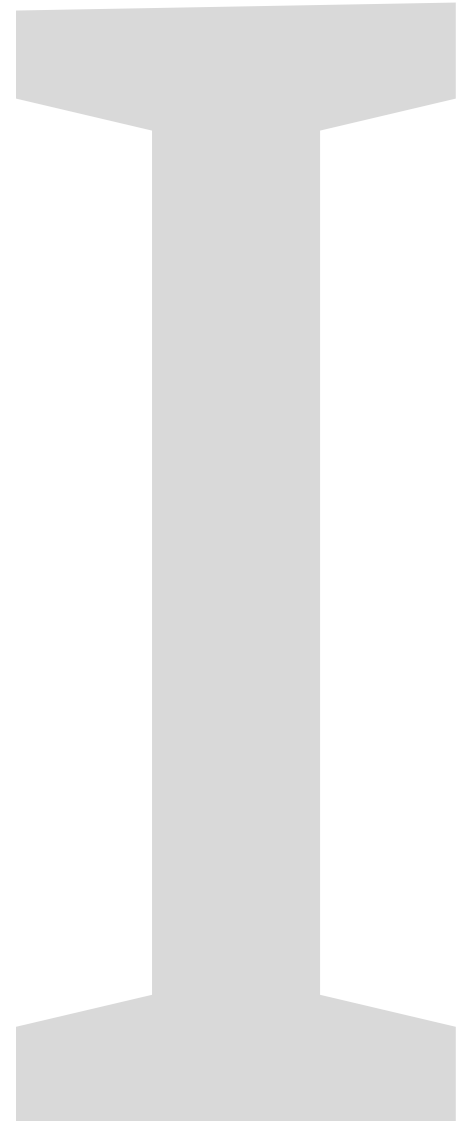
| Contact | Name and Address                                                                                                                                               | Contact Details                                                                                                                 |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 1       | <b>British Geological Survey - Enquiry Service</b><br>British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG | Telephone: 0115 936 3143<br>Fax: 0115 936 3276<br>Email: enquiries@bgs.ac.uk<br>Website: www.bgs.ac.uk                          |
| 2       | <b>Environment Agency - National Customer Contact Centre (NCCC)</b><br>PO Box 544, Templeborough, Rotherham, S60 1BY                                           | Telephone: 03708 506 506<br>Email: enquiries@environment-agency.gov.uk                                                          |
| 3       | <b>Environment Agency - Head Office</b><br>Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD                                        | Telephone: 01454 624400<br>Fax: 01454 624409                                                                                    |
| 4       | <b>Ordnance Survey</b><br>Adanac Drive, Southampton, Hampshire, SO16 0AS                                                                                       | Telephone: 03456 05 05 05<br>Email: customerservices@ordnancesurvey.co.uk<br>Website: www.ordnancesurvey.gov.uk                 |
| 5       | <b>Mid Sussex District Council - Environmental Services Section</b><br>The Oaklands, Oaklands Road, Haywards Heath, West Sussex, RH16 1SS                      | Telephone: 01444 458166 extn 2288<br>Fax: 01444 450027<br>Website: www.midsussex.gov.uk                                         |
| 6       | <b>West Sussex County Council - Environment &amp; Development</b><br>County Hall, Tower hall, Chichester, West Sussex, PO19 1RH                                | Telephone: 01243 777100<br>Website: www.westsussex.gov.uk                                                                       |
| 7       | <b>Wealden District Council - Environmental Health Department</b><br>Council Offices, Vicarage Lane, Hailsham, East Sussex, BN27 2AX                           | Telephone: 01323 442666<br>Fax: 01323 443333<br>Website: www.wealden.gov.uk                                                     |
| 8       | <b>East Sussex County Council - Waste Management Group</b><br>St. Annes Crescent, Lewes, East Sussex, BN7 1UE                                                  | Telephone: 01273 481000<br>Website: www.eastsussexcc.gov.uk                                                                     |
| 9       | <b>Stantec UK Ltd</b><br>Caversham Bridge House, Waterman Place, Reading, RG1 8DN                                                                              | Telephone: 0118 950 0761<br>Email: pba.reading@stantec.com<br>Website: www.stantec.com                                          |
| 10      | <b>PointX</b><br>5-6 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY                                                                                    | Website: www.pointx.co.uk                                                                                                       |
| 11      | <b>Natural England</b><br>County Hall, Spetchley Road, Worcester, WR5 2NP                                                                                      | Telephone: 0300 060 3900<br>Email: enquiries@naturalengland.org.uk<br>Website: www.naturalengland.org.uk                        |
| -       | <b>Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards</b><br>Chilton, Didcot, Oxfordshire, OX11 0RQ                | Telephone: 01235 822622<br>Fax: 01235 833891<br>Email: radon@phe.gov.uk<br>Website: www.ukradon.org                             |
| -       | <b>Landmark Information Group Limited</b><br>Imperium, Imperial Way, Reading, Berkshire, RG2 0TD                                                               | Telephone: 0844 844 9952<br>Fax: 0844 844 9951<br>Email: customerservices@landmarkinfo.co.uk<br>Website: www.landmarkinfo.co.uk |

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



## Appendix I

### Classification of Consequence



# Classification of consequence, probability and risk, based on CIRIA C552 Contaminated Land Risk Assessment – A Guide to Good Practice (London 2001)

## Classification of Consequences

| Score | Classification | Definition                                                                                                                                                                                                                                                                                                                                                                                      |
|-------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | Minor          | Harm, although not necessarily significant, which may result in financial loss, or expenditure to resolve.<br>No permanent effect to human health.<br>Easily repairable effects of damage to buildings, structures and services.                                                                                                                                                                |
| 2     | Mild           | Pollution of non-sensitive water resources.<br>Significant damage to crops, buildings (e.g. making it unsafe to occupy), structures and services.<br>Damage to sensitive buildings, structures, services or the environment.                                                                                                                                                                    |
| 3     | Medium         | Significant harm to human health – the concentrations of contaminants are above the generic assessment criteria or site specific assessment criteria.<br>Pollution of sensitive water resources – leaching to a major or minor aquifer.<br>Significant changes in a particular ecosystem or organism forming part of such an ecosystem (death of a species within a designated nature reserve). |
| 4     | Severe         | Short term (acute) risk to human health, likely to result in ‘significant harm’.<br>Short term risk of pollution of a sensitive water resource.<br>Catastrophic damage to buildings and property.<br>A short term risk to a particular ecosystem or organism forming part of such an ecosystem.                                                                                                 |

## Classification of Probability

| Score | Classification | Definition                                                                                                                                                                                                                                                         |
|-------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | Unlikely       | There is a pollution linkage but circumstances are such that it is improbable that an event could occur.                                                                                                                                                           |
| 2     | Low Likelihood | There is a pollutant linkage and circumstances are possible under which an event could occur. However, it is by no means certain, even over a long period, such an event would take place, and it is less likely in the short term.                                |
| 3     | Likely         | There is a pollutant linkage and all elements are present and in the right place, which means it is probable that an event will occur.<br>Circumstances are such that an event is not inevitable, but possible in the short term, and likely over the longer term. |
| 4     | Highly Likely  | There is a pollutant linkage and an event that either appears very likely in the short term and almost inevitable over the long term, or there is evidence at the receptor of harm or pollution.                                                                   |



### Classification of Risks & Likely Required Action

|             |                     | Consequence       |                   |                   |                   |
|-------------|---------------------|-------------------|-------------------|-------------------|-------------------|
|             |                     | Minor<br>1        | Mild<br>2         | Medium<br>3       | Severe<br>4       |
| Probability | Highly Likely<br>4  | Moderate/Low Risk | Moderate Risk     | High Risk         | Very High Risk    |
|             | Likely<br>3         | Low Risk          | Moderate/Low Risk | Moderate Risk     | High Risk         |
|             | Low Likelihood<br>2 | Very Low Risk     | Low Risk          | Moderate/Low Risk | Moderate Risk     |
|             | Unlikely<br>1       | Very Low Risk     | Very Low Risk     | Low Risk          | Moderate/Low Risk |

| Score | Risk           | Classification                                                                                                                                                               | Likely Action Required                                                                                                         |
|-------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 1 – 3 | Very Low Risk  | There is a low possibility that harm could arise to a receptor. If harm does arise, it is likely to be mild.                                                                 | Action unlikely to be required.                                                                                                |
| 3 – 6 | Low Risk       | Harm to a designated receptor could arise from an identified hazard. However, it is likely the harm would be mild.                                                           | Action may be required.                                                                                                        |
| 8 – 9 | Moderate Risk  | Harm to a designated receptor from an identified hazard is possible. However, it is relatively unlikely harm would be severe, or any harm to occur would be relatively mild. | Investigation is required to clarify the risk/s.<br>Remediation may be required in the longer term.                            |
| 12    | High Risk      | Harm is likely to arise to a receptor/s from an identified risk. The consequences of the risk would likely be substantial.                                                   | Investigation is required in the short term. Remediation work may be necessary in the short term, but likely in the long term. |
| 16    | Very High Risk | A high probability that severe harm has already happened. The consequences of the risk would be substantial.                                                                 | Immediate action, urgent investigation and/or remediation is required.                                                         |



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A collage of six images related to geotechnical engineering: a large concrete pipe, a soil profile with a pressure gauge, a red drilling rig, a worker in a high-visibility suit, a red truck with 'Southern' branding, and a person using a tool on soil.

## APPENDIX B

### Site Plans

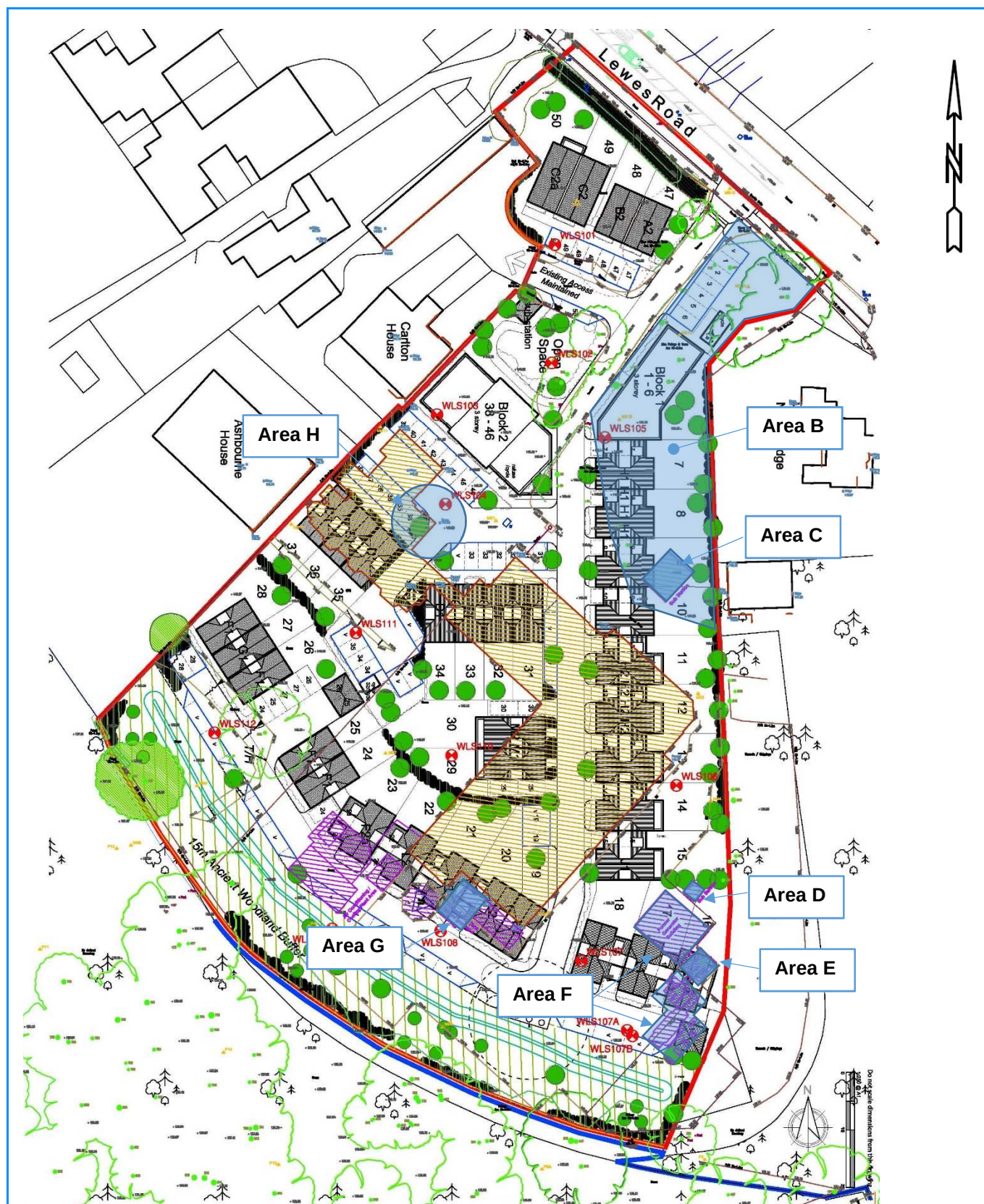
B





|          |                                              |            |            |
|----------|----------------------------------------------|------------|------------|
| Site:    | Wealden House, East Grinstead RH19 3TB       | Project ID | J16139     |
| Figure 1 | Site plan showing known area for remediation | Date:      | 02/12/2025 |

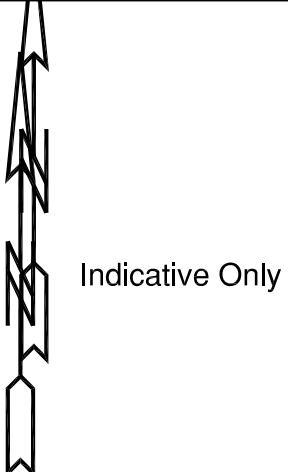




NB: Positions of exploratory holes / test positions are only indicative unless dimensioned.

|          |                                                   |            |            |
|----------|---------------------------------------------------|------------|------------|
| Site:    | Wealden House, East Grinstead RH19 3TB            | Project ID | J16139     |
| Figure 2 | Site plan showing areas for further investigation | Date:      | 02/12/2025 |





Indicative Only

**NOTES**  
Base drawing (AG/1710036/1, 03/18) prepared by CD Surveys Ltd.  
Proposed Site Plan (2053\_53, 05/24) provided by Octagon Developments Ltd.  
Windowless Sampler and Trial Pit locations added by Southern Testing.  
Exploratory hole positions are only indicative unless dimensioned.  
 Historical detailed added by Southern Testing.

| Revisions: |         |
|------------|---------|
|            |         |
|            |         |
|            |         |
|            |         |
|            |         |
|            |         |
|            |         |
| REV        | DATE    |
|            | DETAILS |



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**Client:**  
Octagon Developments Ltd

**Job Title:**  
Wealden House

**Description:**  
Ground Investigation Layout  
Topographic & Proposed Overlay

**Drawing No:**  
Figure 2B

| Drawing Status:  |                 |
|------------------|-----------------|
| Scale: 1:500     | Paper Size: A1  |
| Drawn by: DS     | Checked by: SKT |
| Date: 05 08 2024 |                 |





**APPENDIX C**  
Assessment Criteria



These screening values are valid at the time of writing but may be subject to change and any such changes will have implications for the assessments based on them. Their validity should be confirmed at the time of site development.

| Table 1 – Tier 1 Screening Values |       |                                                 |                                                    |                            |                     |            |                         |
|-----------------------------------|-------|-------------------------------------------------|----------------------------------------------------|----------------------------|---------------------|------------|-------------------------|
| Contaminant                       | Units | Proposed Land Use                               |                                                    |                            |                     |            |                         |
|                                   |       | Residential with home grown produce consumption | Residential without home grown produce consumption | Open Space * (Residential) | Open Space * (Park) | Allotments | Commercial / Industrial |
| Arsenic (As) [2]                  | mg/kg | 37                                              | 40                                                 | 79                         | 170                 | 43         | 640                     |
| Cadmium (Cd) [2]                  | mg/kg | 11                                              | 85                                                 | 120                        | 555                 | 1.9        | 190                     |
| Trivalent Chromium (CrIII) [2]    | mg/kg | 910                                             | 910                                                | 1,500                      | 33,000              | 18,000     | 8600                    |
| Hexavalent Chromium (CrVI) [2]    | mg/kg | 6                                               | 6                                                  | 7.7                        | 220                 | 1.8        | 33                      |
| Lead (Pb) [3]                     | mg/kg | 200                                             | 310                                                | 630                        | 1300                | 80         | 2330                    |
| Mercury (Hg) [1,2,7]              | mg/kg | 7.6-11                                          | 9.2-15                                             | 40                         | 68-71               | 6.0        | 29-320                  |
| Selenium (Se) [2]                 | mg/kg | 250                                             | 430                                                | 1,100                      | 1,800               | 88         | 12,000                  |
| Nickel (Ni) [2,4]                 | mg/kg | 130                                             | 180                                                | 230                        | 800                 | 53         | 980                     |
| Copper (Cu) [2,4]                 | mg/kg | 2,400                                           | 7,100                                              | 12,000                     | 44,000              | 520        | 68,000                  |
| Zinc (Zn) [2,4]                   | mg/kg | 3,700                                           | 40,000                                             | 81,000                     | 170,000             | 620        | 730,000                 |
| Phenol [1,2]                      | mg/kg | 120-380                                         | 440-1200                                           | 440-1300                   | 440-1300            | 23-83      | 440-1300                |
| Benzo[a]pyrene [1,5]              | mg/kg | 1.7-2.4                                         | 2.6                                                | 4.9                        | 10                  | 0.67-2.7   | 36                      |
| Naphthalene [1,2]                 | mg/kg | 2.3-13                                          | 2.3-13                                             | 77-430*                    | 77-430*             | 4.1-24     | 77-430*                 |
| Total Cyanide (CN) [6]            | mg/kg | /                                               | /                                                  | /                          | /                   | /          | /                       |
| Free Cyanide [6]                  | mg/kg | /                                               | /                                                  | /                          | /                   | /          | /                       |
| Complex Cyanides [6]              | mg/kg | /                                               | /                                                  | /                          | /                   | /          | /                       |
| Thiocyanate [6]                   | mg/kg | /                                               | /                                                  | /                          | /                   | /          | /                       |

#### Notes:

\* Open Space levels calculated on the basis of the exposure modelling developed in the C4SL research.

+ Screening values constrained to saturation limit. Higher values may be acceptable on a site specific basis.

[1] Where ranges of values are given for organic contaminants the screening value is dependent on the Soil +Organic Matter.

[2] LQM/CIEH S4UL (2014). Copyright Land Quality Management Ltd. reproduced with permission; Publication Number S4UL 3116. All rights reserved.

[3] C4SL (DEFRA 2014).

[4] Copper, Zinc and Nickel may have phototoxic effects at the given concentrations. Alternative criteria should be adopted for importation of Topsoil or other soils for cultivation. BS3882:2015 and BS8601:2013 suggest values of 200 to 300mg/kg for Zn, 100 to 200mg/kg for Cu, and 60 to 110mg/kg for Ni, for topsoil and subsoil, depending on pH.

[5] Based on the Surrogate Marker approach and modelled using the modified exposure parameters of C4SL but retaining 'minimal risk' HCV.

[6] Screening criteria derived on a site specific basis if test results indicate.

[7] S4UL for Methyl Mercury, higher concentrations may be tolerable if inorganic mercury is the only species present. Lower concentrations apply for elemental Mercury.



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