PROPOSED COMMERCIAL DEVELOPMENT

LAND ADJACENT TO HIGH POST BUSINESS PARK,

SALISBURY, WILTSHIRE

Interpretative Ground Investigation Report

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PREPARED BY

Ground Investigation Limited

UNIT 3
WESTFIELD COURT
BARNS GROUND
KENN
CLEVEDON
BS21 6FQ

TEL: 01275 876903

EMAIL: mail@ground-investigation.com

ON BEHALF OF

Nationwide Engineering Group

Ground Investigation Limited

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			Prepared by	**Checked by**
		Name	Richard Colwill BSc (Hons), MRes, CGeol, FGS	Tim Gillbanks BSc(Hons), CGeol, CSci, FGS
		Signature	[redacted]	[redacted]

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TABLE OF CONTENTS

1. INTRODUCTION 1

1.1 Terms of Reference 1
1.2 Site Location 1
1.3 Proposed Development 1
1.4 Objectives 1
1.5 Scope of Work 2
1.6 Report Structure 2

2. DESK STUDY & WALKOVER SURVEY 4

2.1 General 4
2.2 Sources of Information 4
2.3 Walkover Survey 4
2.4 Recent History 5
2.5 Geology 6
2.6 Hydrology, Hydrogeology and Environmental Setting 7

3. FIELDWORKS & LABORATORY TESTING 9

3.1 General 9
3.2 Intrusive Investigatory Works 9
3.2.1 Lined Dynamic Sampling Boreholes 9
3.2.2 Trial Pits 10
3.2.3 In-situ Soil Infiltration Tests 10
3.3 Laboratory Testing 10
3.3.1 Chemical Tests 11
3.3.2 Geotechnical Classification Tests 11

4. PHYSICAL GROUND & GROUNDWATER CONDITIONS 12

4.1 General 12
4.2 Strata Descriptions 12
4.2.1 Topsoil 12
4.2.2 Made Ground 12
4.2.3 Residual Soil 12
4.2.4 Seaford Chalk Formation 13
4.3 Groundwater 13

5. GROUND AND GROUNDWATER CONTAMINATION 14

5.1 Introduction 14
5.2 Conceptual Site Model 14
5.2.1 Ground and Groundwater Conditions 14

5.2.2 Possible Sources of Contamination 14
5.2.3 Contaminants of Concern 15
5.2.4 Receptors and Pathways 15
5.2.4.1 Chronic Human Health Risks 15
5.2.4.2 Acute Human Health Risks 16
5.2.4.3 Controlled Waters 16
5.3 Assessment of Chronic Human Health Risks 16
5.3.1 Methodology 16
5.3.2 Sampling and Laboratory Testing 17
5.3.3 Risk Assessment 17
5.4 Qualitative Gas Risk Assessment 17
5.5 Waste Acceptance Criteria 18
5.6 Aggressive Chemical Environment for Concrete 19

6. GROUND ENGINEERING 20

6.1 Context 20
6.2 Site Preparation 20
6.3 Foundations 20
6.4 Ground Floor Slabs 21
6.5 Pavement Design 22
6.6 Soakaway Design 22

TABLES

1 Estimation of Chronic Human Health Risks for Standard Commercial Land Use

FIGURES

1 Exploratory Hole Positions – Existing Topography
2 Exploratory Hole Positions – Proposed Layout

APPENDICES

A Historical Ordnance Survey Mapping
B Landmark Geology Report
C Landmark Envirocheck Report
D Engineering Records of Continuous Percussion Boreholes
E Engineering Records of Trial Pits
F Soil Infiltration Test Results
G Results of Chemical Laboratory Tests
H Results of Geotechnical Laboratory Tests
I References

1. Introduction

1.1 Terms of Reference

Ground Investigation Limited has been commissioned by Nationwide Engineering Group, the Client, to carry out a combined desk-study and intrusive ground investigation in connection with the construction of a proposed new commercial development located on a parcel of land adjacent to the High Post Business Park near Salisbury, in Wiltshire.

This report presents the findings of both a Phase 1 desk study and Phase 2 intrusive ground investigation undertaken at the site, and provides advice concerning foundation and ground floor slab design and construction, together with information to aid in the design of surface water drainage and pavements.

A generic quantitative assessment of chronic human health risks associated with the presence of potential ground contamination is also presented, together with brief qualitative assessments of potential risks to controlled waters and risks arising from hazardous ground gas.

1.2 Site Location

The site is located to the west of the High Post Business Park off the A345 Fourmile Hill, some 6 km south-west of Amesbury, and around 7 km north of Salisbury.

The approximate National Grid Reference at the centre of the site is 414620, 136430. The existing site topography is presented as the base to Figure 1.

Further details concerning the site boundaries, together with a description of the site interior, based on a walkover undertaken prior to commencement of the fieldworks, are provided within Section 2.3 of this report.

1.3 Proposed Development

The proposed development is understood to be based on the following:

A hybrid planning application consisting of full planning permission for the erection of 4 buildings amounting to 7,532 sqm GIA (Use Classes E(g), B2 (general industrial), B8 (storage and distribution) with external areas, access, parking, landscaping and associated works, and outline planning permission for 1 Southern Policing Hub amounting up to 3,900 sqm GIA (all matters reserved except access).

1.4 Objectives

The primary objectives of the investigation are summarised as follows.

(i) Examine the physical ground and groundwater conditions at the site.

(ii) Identify potentially significant geo-environmental hazards.

(iii) Consider ground contamination in relation to threats posed to human health and controlled waters.

(iv) Advise on the need for remedial actions, or further investigation, to address potentially unacceptable human health or environmental risks associated with identified ground contamination hazards.

(v) Advise on geotechnical conditions, identify foundation options, and provide advice relating to ground engineering matters in the context of the proposed development.

1.5 Scope of Work

In order to achieve the objectives summarised in Section 1.4 above, the following general scope of work has been carried out.

(i) A desk study involving the review, collation and appraisal of factual historical and environmental data, interpreted in the context of a walkover survey completed prior to commencement of the fieldworks.

(ii) Fieldworks involving the drilling of fourteen continuous percussion boreholes, together with the inspection of nine mechanically excavated trial pits.

(iii) In-situ testing including the completion of standard penetration tests (SPTs), undertaken at regular intervals within the boreholes, together with the completion of CBR tests within the trial pits using a Mexecone penetrometer.

(iv) The completion of infiltration tests within eight of the mechanically excavated trial pits.

(v) The collection of representative soil samples from each of the exploratory holes, together with subsequent laboratory chemical analysis and geotechnical testing of selected samples.

(vi) Preparation of this Interpretative Ground Investigation Report addressing ground engineering issues in the context of the proposed development.

1.6 Report Structure

This report is presented in six sections, the contents of which are summarised below.

- **Section 1** provides an introduction to the report. It identifies the site location, summarises the proposed development, and outlines the objectives of the study and the general scope of work.

- **Section 2** presents a summary of the findings of the desk-based research, together with a description of the site, based on information gathered during a walkover survey undertaken prior to commencement of the intrusive works.

- **Section 3** describes the fieldworks and laboratory testing that have been carried out.

- **Section 4** provides a description of the physical ground and groundwater conditions revealed by the intrusive investigation.

- **Section 5** considers ground contamination hazards in respect of chronic human health risks, risks to controlled waters and risks arising from potentially hazardous ground gases.

- **Section 6** considers the ground conditions at the site in relation to ground engineering and geotechnical matters of likely significance in the context of the proposed development. Preliminary advice is given for the design of foundations, ground floor slabs, pavements and soakaways.

2. Desk Study & Walkover Survey

2.1 General

The desk study has examined information relating to the historical and present-day land uses in the vicinity of the site, together with geological, hydrogeological and environmental conditions from a variety of sources. This section of the report identifies the principal sources of data that have been consulted.

A walkover survey was carried out prior to commencement of the intrusive fieldworks and key observations made are presented.

The information furnished by this desk study is referred to in subsequent sections where it is significant, or has relevance, to consideration of the various issues addressed by this report.

2.2 Sources of Information

The principal sources of information consulted by the desk study are summarised below.

(i)	Present-day Ordnance Survey mapping.	(Ref. 1)
(ii)	Geological mapping.	(Ref. 2)
(iii)	Historical Ordnance Survey Maps.	(Appendix A)
(iv)	Landmark Geology Report.	(Appendix B)
(v)	Landmark Envirocheck Report.	(Appendix C)

2.3 Walkover Survey

The desk-based research has been supplemented by a walkover survey conducted by Ground Investigation Limited, prior to commencement of the fieldworks, on 6th October 2021. Significant observations made during the walkover are noted below.

The parcel of development land comprises the eastern ‘half’ of a roughly trapezoidal shaped parcel of arable land, extending to an area of some 5.2 Ha, with the whole field at least twice this size. The site is elevated, according to the topographic data provided by the Client, at between around 120 and 126 m AOD. It exhibits a gentle slope down to the west, and continues to fall beyond the site boundary towards a low point in the western corner of the larger field, at an elevation of around 114 m AOD.

The eastern margin of the site is typically bounded by a post and wire fence, with the premises of a Wiltshire Council salt store and a further commercial development plot beyond. The existing High Post Business Park is located beyond the salt store and development plot, a short distance further east and is developed mainly with relatively contemporary metal clad warehouse units, accommodating a range of businesses including motor parts distributors, art supplies, offices and a gymnasium, in addition to associated access roads and parking areas. The western boundary of the existing business park is densely vegetated with a thick mature hedgerow.

An unnamed lane bounds the northern side of the site, beyond which lies further arable land. To the north-west of the field in which the development land is located, however, a large expanse of land is given over to 'Chemring Countermeasures UK'. We understand that this is a military and marine pyrotechnics business, manufacturing missile defence systems – it does not directly bound the site, however. Further arable land is located to the west and south of the site.

At the centre of the field containing the site, on the northern boundary (i.e. the north-west corner of the development land), a small copse of mature trees hides a derelict stone structure, which we understand may have historically been a residential property or part of a small farmstead. The southern and western margins of the copse are partially concealed with raised with mounds of spoil, apparently composed of topsoil and chalk etc, with some piles of vegetation, including farm waste and stubble etc. The central part of the copse on the western side of the old building is slightly lower, with a shallow depression between the trees.

Apart from the ruins on the northern boundary, the site is open and undeveloped, comprising an undulating arable field. In this regard, we understand that the field has been recently harvested such that the majority is sparsely vegetated, with Topsoil and flint gravel observed at the surface.

No significant vegetation was present, other than the small copse on the northern boundary, together with the hedgerows that line the field boundaries to the north and south, and a few rows of maize on the southern boundary.

Further afield, the surrounding land is dominated by rural agricultural land with the outskirts of Amesbury to the north and Salisbury to the south.

No evidence of significant mobile contaminant sources, including hydrocarbons or other chemicals was noted during the site walkover.

2.4 Recent History

The history of the site and the surrounding area, as inferred from the examination of historical Ordnance Survey mapping (Appendix A), is summarised below.

- The earliest published OS mapping, dated 1877-1878, shows the vast majority of the site as open agricultural land, which also dominates much of the surrounding area, as existing. However, 'Highpost Buildings' are labelled in the north-western corner of the site, the ruins of which can be seen today, hidden within the copse in the northern corner of the site. This small compound appears to contain three rectangular buildings associated with small paddocks / enclosures, with a circular feature to the east. The unnamed lane immediately north of the site is in its present day alignment, whilst a small circular depression, estimated to have a diameter of some 5 m is recorded near the south-western corner of the site, labelled as an 'Old Chalk Pit'.

- No significant changes are shown until the map edition dated 1925. By this time, the small compound to the north is labelled as 'Highpost Building' and it appears that only one rectangular building remains, which is in the location of the present ruins. A square shaped depression is shown in the north-west of the compound, however, which is latterly labelled as a pond.

- The small chalk pit feature in the south-western area of the site is no longer recorded on the 1:2,500 scale mapping from 1939 onwards, suggesting it has been infilled. It is, however, shown, possibly erroneously, on the 1:10,000 scale mapping from 1961, introducing some uncertainty as to exactly when it was infilled.

- No significant subsequent changes are then shown until the map editions dating from the early 1960s. By this time, a hotel, club house and possible garage building had been constructed to the east of the site. A large 'Factory' is labelled to the north-west, which we understand is the pre-cursor to the existing military and marine pyrotechnics business known as Chemring Countermeasures UK. To the west of the Highpost Building compound at this time, just outside the current site boundary, a number of small rectangular structures are shown. These are likely to comprise temporary features of agricultural use.

- The 1974 map edition shows a large 'Agricultural Merchant's Depot' to the east of the site in the area of the existing High Post Business Park.

- By 2000, the depot to the east has been replaced with the much larger commercial / industrial building, which forms the original eastern part of the existing High Post Business Park. This building has been extended by the time of the most recent map edition to form the current roughly L-shaped building layout in this area. The adjacent buildings which form the salt store are also only recorded on the most recent map edition.

- Aerial photography in the public domain, dating from 2001 to 2020 has been examined to provide further detail regarding the site's recent history. In 2001 the large building labelled as High Post Business Park is present to the east and has been extended to its current L-shaped footprint by 2005. The site itself, together with the immediately adjoining land remains as open, undeveloped, arable land except for the small, wooded copse / compound on the northern boundary. The council salt store premises has been developed over part of the field directly to the east of the site by 2014.

In summary, based on the examination of the available historical mapping and aerial photography, the site has comprised open agricultural land, except for the small copse in the north, which appears to have contained a residential dwelling, possible farm buildings, a pond and some small paddocks / enclosures. A small historic chalk pit was also present in the south-west of the development area according to the early map editions.

2.5 Geology

The geology of the site has been assessed on the basis of an examination of the information included within the geological sheet for the area, the Geology Report and the Envirocheck Report (Ref. 2 and Appendices B and C), as summarised below.

- Both the geological mapping sheet and the Geology Report indicate the site to be directly underlain by the Seaford Chalk Formation. These strata are described by the BGS as: '*Firm white chalk with conspicuous semi-continuous nodular and tabular flint seams. Hardgrounds and thin marls are known from the lowest beds. Some flint nodules are large to very large.*'

- No Made Ground deposits are shown to underlie the site. However, acknowledging the small compound and associated development and pond feature, some amount of Made Ground is expected in this area. Moreover, a small historic chalk pit is believed to be located in the south-west of the site area, which has been infilled. It should be noted in this context that where such artificial deposits are relatively thin, or are of low areal extent, they would not be recorded on mapping of the scale examined.

- A narrow L-shaped tract of Made Ground is recorded to the east of site, associated with the construction of the nearby business park and an associated earth bund which follows its western and southern margins. A further small area of Made Ground is shown just beyond the

south-western corner of the field in which the site lies, some 250 m from the present boundary. This appears to relate to the location of an earth bund associated with a former farmyard, but is no longer present and a new barn has been constructed over its footprint.

- The site is not located within an area deemed to be at risk from mining activities of any type.

- No BGS recorded mineral sites are reported to be located within at least a 2 km radius. As discussed above, however, a very small chalk pit is labelled in the south-western area of the site.

- The site is indicated by the Envirocheck Report to lie in an area of very low hazard potential with regards to collapsible ground and ground dissolution, and a no hazard potential area in relation to compressible ground, landslides, running sand and shrinking/swelling clay.

- According to the Envirocheck report, the site is located within a lower probability radon area. Therefore, no statutory requirement for radon protection measures is identified in the construction of new dwellings and extensions. The same would be expected to apply to a commercial development of the type proposed.

- The underlying chalk is not identified by the BRE (Ref. 3) as potentially containing locally elevated levels of pyrite. Any superficial deposits, including Made Ground, may contain elevated pyrite and/or sulphate, however, depending on their origin.

2.6 Hydrology, Hydrogeology and Environmental Setting

Key points relating to the hydrology of the site, together with its hydrogeology and environmental setting are summarised as follows on the basis of the information included within the Envirocheck report.

- The Seaford Chalk Formation strata are classified as a Principal Aquifer, which is a bedrock Aquifer of high vulnerability. The soluble rock risk, associated with the chalk is considered as a significant risk, but of a low possibility.

- The site lies in a Zone II and a Zone III Environment Agency source protection zone (SPZ). The nearest licensed abstraction is a borehole at ‘Mahle Tennex Filter Systems Limited’ approximately 220 m to the south-east within the High Post Business Park.

- The nearest discharge consents are again associated with High Post Business Park to the east. It appears that a number of historic discharge consents for site drainage and trade waste were revoked and surrendered, although there are current consents for discharge of treated effluent etc via soakaways into groundwater.

- The nearest surface water feature is reportedly a pond just to the north-east of the site, within the grounds of the Council’s salt depot, some 30 m away. This is not regarded as a sensitive water body in the context of the proposed development.

- According to the Envirocheck report, the site lies within an area with limited potential for groundwater flooding to occur, although does not lie on a floodplain. Further consideration of the risk or consequences of flooding is not, however, within the scope of this report. In this regard, however, the site is significantly elevated, such that flooding would not generally be expected to be an issue.

- Considering likely groundwater depths, a record of a nearby borehole at High Post Golf Club, which is available to view on the BGS website indicates groundwater strikes at some 71 and 90 m depth, with a subsequent standing level of 63 m on completion. A standing level of some 69 m below ground level is also recorded for a borehole at the former agricultural depot to the east.

- The site lies within a nitrate vulnerable zone.

- There are no registered or historic landfills within at least a 1 km radius of the site.

- The nearest contemporary trade entries are associated with the nearby business park, and are located some 240 to 330 m distant. These include, art supplies, a car component manufacturer, precision engineers, car dismantlers and a fuel filling station, the latter around 330 m distant.

3. Fieldworks & Laboratory Testing

3.1 General

The general scope of the intrusive works is summarised below:

- The drilling of fourteen dynamic percussive sampler boreholes, extending to depths ranging between 0.9 and 3.0 m below existing ground level.
- The completion of in-situ standard penetration tests (SPTs) at regular intervals within the dynamic percussive sampler boreholes.
- The mechanical excavation of nine trial pits, eight of which were utilised to undertake in-situ soil infiltration tests. In-situ CBR tests were also completed using a Mexecone penetrometer, at nominal depths of 0.5 and 1.0 m.
- The extraction of representative disturbed samples of the strata revealed within the exploratory holes.
- The recording of general observations concerning the incidence and behaviour of groundwater seepages, together with any obvious visual or olfactory evidence of soil or groundwater contamination.
- Laboratory chemical analysis and geotechnical testing, carried out on selected soil samples recovered from the exploratory holes.

This section of the report describes the fieldworks and provides details of the subsequent laboratory testing.

3.2 Intrusive Investigatory Works

The intrusive investigatory works were carried out on the 6th and 7th October 2021, under the supervision of Ground Investigation Limited.

The positions of investigation were agreed with the Client on the basis of the proposed architectural layout, taking into consideration the findings of the desk-based research, site walkover and existing site limitations.

Figure 1 presents the approximate exploratory hole positions. The fieldworks are described below.

3.2.1 Lined Dynamic Sampling Boreholes

A rubber tracked heavy duty Archway Dart rig was used to form the dynamic sampling boreholes, which were intended to provide a detailed record of the near surface subsoils. Lined steel core barrels of 1 m length were percussively driven into the ground, enabling the extraction of virtually continuous disturbed ‘core’ samples of the subsoil within polythene liners. Sub-samples were collected from the liners, sealed in polythene tubs and amber glass jars, as appropriate, and returned to the laboratory for analysis.

Boring commenced initially at approximately 100 mm diameter, reducing progressively with depth to approximately 75 mm. Standard penetration tests (SPTs) were carried out at 1 m intervals. The results of the in-situ tests are included on the individual borehole records.

As the drilling progressed, details of the strata succession were recorded, together with observations concerning the incidence and behaviour of groundwater ingress and any obvious visual or olfactory evidence of soil or groundwater contamination.

Upon completion, the boreholes were backfilled with arisings and topped up with imported gravel as necessary.

The engineering records of the continuous percussion boreholes are presented in Appendix D.

3.2.2 Trial Pits

Nine trial pits were excavated using an 8-tonne tracked excavator, extending to depths of between 1.2 and 1.9 m, eight of which were utilised to undertake in-situ soil infiltration tests.

As the excavation progressed at each position, details of the strata succession were recorded, together with observations concerning the incidence and behaviour of any groundwater seepages, the stability of the trial pit sides, and any visual or olfactory evidence of ground contamination.

Disturbed samples of the soils encountered were collected and sealed in amber glass jars and polythene containers, as appropriate, for laboratory inspection and testing.

Upon completion, the trial pits were backfilled with the excavated spoil, in the approximate reverse order in which it was excavated.

The engineering records of the trial pits are presented in Appendix E.

3.2.3 In-situ Soil Infiltration Tests

In-situ soil infiltration tests were carried out in eight of the trial pits in accordance with BRE Digest 365 methodology (Ref. 4).

The pits were excavated to between 1.2 and 1.9 m depth, measuring some 0.6 m wide, and between 1.2 and 1.6 m in length. The infiltration strata comprised the Seaford Chalk Formation.

The pits were filled rapidly to nominal invert levels with clean water delivered by a tractor towed vacuum tanker and the water level within each pit was then monitored with time. Three test repetitions were undertaken within each pit. Following termination of the infiltration tests, the soakaway trial pits were backfilled with the excavated arisings, and made safe at the surface.

The results of the in-situ soil infiltration tests are presented graphically in Appendix F.

3.3 Laboratory Testing

Geotechnical classification tests have been completed on selected soil samples, together with chemical tests appropriate for the consideration of potentially harmful effects on human health and the environment, and potential aggressive effects towards buried concrete. The types of tests undertaken on the selected samples are summarised below.

3.3.1 Chemical Tests

Chemical analysis has been undertaken as follows, based on the contaminants of concern identified within Section 5.2.3 of this report:

(i) inorganics suite comprising: metals/semi-metals, cyanides, total and water soluble sulphate, pH, asbestos screening;

(ii) organics suite comprising: speciated polycyclic aromatic hydrocarbons (PAHs), speciated petroleum hydrocarbons (TPH) including BTEX, phenols and soil organic matter (SOM); and

(iii) waste acceptance criteria (WAC) analysis undertaken on composite samples of the encountered near surface soils.

The chemical test results are presented in Appendix G.

3.3.2 Geotechnical Classification Tests

The following types of geotechnical classification tests have been undertaken:

(i) Moisture content determinations;

(ii) Atterberg limit determinations; and

(iii) BRE SD1 sulphate and pH suite.

The geotechnical classification test results are presented in Appendix H.

4. Physical Ground & Groundwater Conditions

4.1 General

The exploratory holes have established that within the depth of investigation the site is underlain by the following general sequence of strata (from ground level down).

(i) Topsoil;
(ii) Made Ground;
(iii) Residual Soil; and
(iv) Seaford Chalk Formation.

The general characteristics of these strata, as inferred from field observations are discussed below, whilst the detailed engineering records are presented in Appendices D and E.

4.2 Strata Descriptions

4.2.1 Topsoil

At the surface of the site, Topsoil was generally encountered to between 0.2 and 0.4 m depth, typically comprising brown, slightly gravelly, sandy, silty clay with frequent thin roots or rootlets. The coarse granular constituents typically comprised angular to subrounded flint and chalk.

4.2.2 Made Ground

In the three exploratory holes positioned within the wooded compound on the northern boundary (TP09, WS13, WS14), Made Ground was encountered to depths ranging between 0.3 and 1.1 m.

The Made Ground typically comprised reworked Topsoil-like materials, albeit with inclusions of brick, concrete and other ceramic fragments.

Loose chalk gravel was also encountered at two of the locations, which we have interpreted as Made Ground given the possible relict Topsoil horizon beneath.

No obvious visual or olfactory evidence of contamination was noted within the Made Ground encountered at the selected positions.

Localised further deposits of Made Ground should be anticipated e.g. infilling the old chalk pit in the south-western area of the site. However, based on the historic mapping this appears to be of very limited aerial extent.

4.2.3 Residual Soil

A completely weathered residual soil was recorded beneath the Topsoil / Made Ground, which typically comprised brown silty clay with some sand and gravel of flint and chalk.

The results of the geotechnical classification tests indicate that these residual soil deposits range between low and extremely high plasticity (Refs. 5 & 6), corresponding to a worst-case high volume change potential, as defined by the NHBC (Ref. 7).

4.2.4 Seaford Chalk Formation

The Seaford Chalk Formation was then recorded beneath the Topsoil / Made Ground and residual soil, and subsequently extended beyond the maximum depth achieved by the window sampler boreholes of around 3 m.

Typically, these deposits were initially encountered as a structureless white and light brown chalk, comprising gravel in a silty matrix, tentatively interpreted as CIRIA Grade Dc Chalk (Ref. 8). With increasing depth, the chalk graded to an extremely weak becoming very weak, low to medium and then medium density white chalk with rare brown/black staining, tentatively interpreted as CIRIA Grade C4 to C5 (Ref. 8).

N-values recorded from the SPTs undertaken within these deposits ranged between 18 and >50, confirming the increasingly competent nature and gradation into a less weathered 'bedrock' type material.

The results of the geotechnical classification tests indicate that the Seaford Chalk Formation deposits range between low and intermediate plasticity (Refs. 5 & 6), corresponding to a worst-case low volume change potential, as defined by the NHBC (Ref. 7).

4.3 Groundwater

No groundwater was encountered within the depths achieved by the recent trial pits or boreholes.

Subsequent variations in groundwater and hydrological conditions could occur in response to future seasonal or climatic changes. However, shallow groundwater would not generally be envisaged acknowledging the elevated setting of the site.

In the above regard, as discussed in Section 2, the record of a nearby borehole at High Post Golf Club indicates a groundwater standing level around 63 m below ground level. A resting groundwater level approximately 69 m below the surface is also recorded for a borehole at the former agricultural depot to the east.

5. Ground and Groundwater Contamination

5.1 Introduction

The chemical test results have been considered within a risk assessment framework, whereby a conceptual model of possible pollutant linkage has been developed for the site and is described in the context of the proposed development. This considers the relationship between potential contamination sources, pathways and receptors in the light of the available information concerning the site history, geology, hydrology, and environmental setting, together with details of the proposed development, as set out in the preceding sections of this report.

This section of the report considers the level of risk posed by potential contaminants to human health and controlled waters in the context of the proposed development.

5.2 Conceptual Site Model

5.2.1 Ground and Groundwater Conditions

It is possible to summarise the general ground and groundwater conditions as follows, on the basis of the information contained within the preceding sections of this report.

- Apart from the reworked Topsoil and chalk materials encountered in the wooded compound / copse in the north-eastern corner of the site, the exploratory holes have not encountered any significant Made Ground or any materials of anthropogenic origin. Moreover, no potentially deleterious materials have been encountered during this investigation.

- No direct visual or olfactory evidence of mobile contamination (e.g. hydrocarbons) was encountered during this investigation, nor was there any obvious visual evidence of potential asbestos containing material.

- Naturally deposited chalk ‘rock’ was typically encountered at shallow depths, beneath a veneer of Topsoil and near surface horizon of residual clay soil.

- No significant organic or putrescible deposits were observed within the encountered strata.

- Groundwater was not encountered within the depth of this investigation, or would generally be expected at shallow depths in the site area.

5.2.2 Possible Sources of Contamination

It is possible to make the following comments concerning potential contamination sources present at, and in the vicinity of the site, in light of the findings of the desk-based research, site inspection, and intrusive investigatory works referred to herein.

- The available historical mapping indicates that the development area has comprised agricultural land throughout its known history, apart from the small possibly residential compound or farmstead area in the north-western corner and a small historic chalk pit in the south-west.

- Three former buildings are identified in the wooded area, together with a square shaped feature labelled as a pond. The derelict shell of one of these buildings remains in this area, together with some stockpiles of soil etc.

- No noticeable evidence of hydrocarbon sources or any other contamination was identified during the intrusive works, or in the vicinity of the proposed development site during the site walkover.

- An old chalk pit is shown on the historic mapping up to 1961 and as discussed above, appears to be no more than around 5 m across. This has subsequently been infilled and there is no longer any surface evidence of this feature. The former chalk pit is so small (based on the mapping) that it is not considered to represent a significant potential source of hazardous ground gas in the context of the development.

- The encountered strata underlying the development footprint are not considered a significant source of ground gas in the absence of significant accumulations of degradable or putrescible materials. Whilst chalk deposits are technically considered a low risk source of carbon dioxide gas due to dissolution of the calcium carbonate by acidic water, this would be considered extremely low / negligible in the context of the proposed commercial use and no greater than any other development in this geographical area with similar underlying geology.

- The proposed development should not itself constitute a potentially contaminative land use, provided the new buildings are designed and managed in accordance with contemporary protocols.

5.2.3 Contaminants of Concern

Based on the summary presented in Section 5.2.2 above, as a precautionary measure, the following broad range of potential contaminants has been considered in quantifiable terms by this assessment.

- Metals and semi-metals: arsenic, boron, cadmium, chromium, hexavalent chromium, copper, lead, mercury, nickel, selenium and zinc.

- Organic compounds: phenols, polycyclic aromatic hydrocarbons (PAHs), speciated petroleum hydrocarbons (TPH) and BTEX.

- Inorganic compounds: cyanides and sulphates.

- Asbestos.

In addition to the above, careful vigilance has been exercised throughout the intrusive investigatory works for visual or olfactory evidence of hydrocarbon contamination and/or likely asbestos containing materials.

5.2.4 Receptors and Pathways

5.2.4.1 Chronic Human Health Risks

In respect of chronic human health risks arising from the presence of potentially contaminated soils at the site following completion of the proposed development, the eventual users of the proposed commercial properties (i.e. staff and visitors) are considered to represent the most vulnerable receptors.

The most significant pathways for the purposes of assessing the risk posed to the identified receptors, from the aforementioned list of contaminants, would be considered to be the ingestion of, and dermal contact with soil and fugitive soil dust within soft landscaped areas, and indoor inhalation of soil vapours/gases.

The standard commercial land use has been utilised for screening purposes in the context of this assessment.

5.2.4.2 Acute Human Health Risks

During construction, site workers and members of the public using surrounding land could potentially be exposed to any contaminants present in the ground via a number of pathways, including dermal contact with any contaminated soils or ingestion of airborne particulate matter during bulk earthmoving operations. Such risks will need to be addressed in the context of the pre-construction health and safety plan prepared by the building/groundworks contractor.

The normal precautions anticipated on a development of this nature, in the absence of significant evidence of contamination, would be expected to include the provision of appropriate personal protective equipment and hygiene facilities, together with the suppression of airborne particulate matter during bulk earthmoving activities.

5.2.4.3 Controlled Waters

The Seaford Chalk Formation is classed as a Principal Aquifer by the Environment Agency, with soils of high leaching potential. Furthermore, the site lies within a Zone II and Zone III Environment Agency source protection zone (SPZ), and is thus considered highly sensitive from a controlled waters perspective.

However, there is generally no known history of any commercial, industrial or significantly contaminative land use at the site. Indeed, it is greenfield site other than a localised area of possible domestic / agricultural buildings and a very small localised chalk working. Furthermore, the fieldworks and chemical testing of soil samples did not reveal any evidence of ground contamination. Moreover, the proposed development is expected to be constructed on relatively traditional strips or pads as opposed to any form of deep penetrative foundation, such that these foundations will not create preferential pathways down to the deep underlying groundwater in the Chalk Aquifer.

Based on the aforementioned considerations, we would not expect the proposed development to have a detrimental impact on the identified controlled waters receptors. This conclusion should, however, be discussed and agreed with the regulatory authorities in the context of the planning system.

5.3 Assessment of Chronic Human Health Risks

5.3.1 Methodology

Chronic human health risks associated with possible land contamination at the site have been assessed using the generic quantitative risk assessment (GQRA) methods published by DEFRA and the Environment Agency in CLR 11 (Ref. 9).

At the time of writing, Generic Assessment Criteria (GAC) have been issued from several different sources for the use in generic quantitative risk assessments for contaminated land, currently including the following:

(i) Category 4 Screening Levels (C4SLs) issued by Defra in 2013 for 6 contaminants (Ref. 10);

(ii) Soil Guideline Values (SGVs) issued by the Environment Agency in 2009 for some 11 contaminants (Ref. 11); and

(iii) Suitable 4 Use Levels (S4ULs) issued by the Chartered Institute of Environmental Health (CIEH)/Land Quality Management in 2014 for some 80+ contaminants (Ref. 12).

As an initial first stage risk assessment process, acknowledging the fact that almost all potential contaminants of concern are covered, and that the methodology is the most contemporary, the S4ULs have been used in this GQRA. However, in the case of lead (Pb), only one GAC is presently published, which is the Defra C4SL, such that this value has been used in the GQRA.

The GQRA presented herein is based on the generic commercial land use as described in the Environment Agency publication SR3 (Ref. 13).

5.3.2 Sampling and Laboratory Testing

In order to address potential chronic human health risks arising mainly from exposure to shallow soils at the site, ten selected soil samples were scheduled for analysis. Two of these samples were taken from exploratory holes which targeted the Made Ground in the area of historic buildings in the northern corner of the site, with the remainder distributed randomly across the general site area.

Laboratory test certificates presenting the results of the chemical analyses conducted on the selected soil samples are presented in Appendix G.

5.3.3 Risk Assessment

Our evaluation of chronic human health risks is summarised in Table 1, which illustrates that for all of the potential contaminants of concern, the detected levels are below their respective Generic Assessment Criteria (GAC) for a commercial land use.

On the above basis, taking into consideration the full findings of the desk-based research and associated intrusive investigatory works, it is concluded potential human health risks from ground contamination are very low, and that no further investigation or assessment are warranted in this regard. This conclusion should be discussed and agreed with the regulatory authorities, however.

As with any development site, vigilance should be exercised during the groundworks phase of construction for evidence of contamination, or materials differing to those encountered during the investigation detailed in this report, which could be associated with a requirement for further analysis. The area of the former buildings / pond and old chalk pit should be afforded particular consideration in this regard.

5.4 Qualitative Gas Risk Assessment

Considering potential risks from on-site sources of hazardous ground gas, no significant accumulations of Made Ground were encountered, other than some shallow deposits and soil stockpiles in the northern corner of the site. Moreover, the encountered soils appeared absent of significant quantities of obvious deleterious / putrescible material.

As discussed above, based on the historic mapping, the old chalk pit in the south-western area of the site is very small, such that it would not be expected to represent a significant source of gas generation potential. It should also be appreciated that based on the 1:2,500 scale mapping from 1939, this may have been infilled as long as 80 years ago.

The underlying natural deposits of the Seaford Chalk Formation are technically considered as a potential source of ground gas due to the dissolution of calcium carbonate, however, there is no mechanism to drive such ground gases into above ground construction, or any precedent as far as we are aware, for installing protective measures on uncontaminated sites. In this regard, a certain degree of protection will be afforded by the normal combination of a well-constructed cast in-situ floor slab and damp-proof membrane.

Considering possible off-site sources of gas generation potential, there are no landfills or other waste sites recorded in the vicinity of the site.

Based on the aforementioned considerations, it is our opinion that potential risks from hazardous ground gas are very low, such that no special precautions are envisaged as being necessary. This conclusion should, however, be discussed and agreed with the regulators prior to any construction works commencing.

According to the Envirocheck Report, the site is located within a lower probability radon area, with no requirement for radon protection measures in the construction of new dwellings, which would also be expected to apply to a commercial / industrial development of the type proposed.

5.5 Waste Acceptance Criteria

Waste Acceptance Criteria (WAC) testing was undertaken on samples of the encountered Topsoil, subsoil, Made Ground and chalk for confirmatory purposes. In this regard, chalk re-used in construction would unlikely be classified as waste because it is '*uncontaminated soil and other naturally occurring material excavated in the course of construction activities where it is certain that the material will be used for the purposes of construction in its natural state on the site from which it was excavated*', (Ref. 15). In the context of the above, if excess arisings of Chalk are not used at the site in the construction of the development, and are taken off site, then as the site comprises undeveloped greenfield land, the arisings of Chalk should be classified as '*other soil and stones….*', and therefore as a non-hazardous waste.

Notwithstanding the above, the WAC test results for the samples of natural deposits including Topsoil, subsoil and chalk are all below the Inert Waste Landfill WAC limits.

The WAC test results for the samples of Made Ground are generally below the WAC limits. However, the concentration of Total Organic Carbon (TOC) of 5.5 %, exceeds the Inert Waste Landfill criteria limit of 3.0 %. In this regard, a slightly higher TOC concentration may sometimes be considered by recipients, subject to the dissolved organic carbon (DOC) concentrations meeting the inert waste criteria, as is the case here at only 185 mg/kg.

On the above basis, it is recommended that the Made Ground (in the northern corner of the site) and the natural subsoil materials are carefully separated and individually stockpiled pending disposal to an appropriately licensed facility, or re-use on site as appropriate.

The full results of the site assessment and associated laboratory analyses should be presented to prospective landfill recipients of excavation spoil derived from the site, for consideration in the context of their specific license conditions.

It cannot be discounted in the above context that pockets of differing and/or potentially more contaminated materials could be encountered between the selected positions (e.g. at the location of the infilled chalk pit). Should evidence of more significantly contaminated materials be revealed during

the subsequent groundworks, then these materials should be separated and individually stockpiled pending the completion of further tests.

5.6 Aggressive Chemical Environment for Concrete

The aggressive chemical environment for concrete (ACEC) for the site has been estimated using the methodology described in BRE Special Digest 1 (Ref. 3).

Concentrations of water soluble sulphate, total sulphate and total potential sulphate, together with pH values have been measured in twenty five samples distributed throughout the encountered strata.

Comparison between the total potential sulphate and acid soluble sulphate concentrations indicates that pyrite is unlikely to be present, as the potential oxidisable sulphide exceeds 0.3 % in only one of the samples.

Based on the published guidance, making reference to the water soluble sulphate concentrations established, in the absence of shallow groundwater, concrete conforming to ACEC Class AC-1s, with a design class of DS-1 would be expected to perform satisfactorily below ground level.

6. Ground Engineering

6.1 Context

This section of the report considers the ground conditions in the context of the engineering design and construction of the proposed development.

Preliminary advice is given in relation to the design of the foundations, ground floor slabs, soakaways and pavements.

6.2 Site Preparation

Prior to commencing the earthworks or ground works, any live services on, and in the vicinity of, the proposed development should be accurately located and, if necessary, diverted or protected. The ends of existing drains and sewers no longer required because of alterations to the drainage layout should be effectively sealed so as to prevent any residual or persisting seepages from adversely affecting the integrity and / or stability of the formations and/or foundations.

Subject to ecological considerations and appropriate permission, any vegetation within the footprint of the proposed buildings or hard surfacing (e.g. in the north of the site) should be cleared and root systems grubbed up. It is recommended also that the exact location of the old chalk pit and pond are located and surveyed, and the backfill to these features excavated and replaced or recompacted.

Surface voids resulting from the site preparation work, should be filled with well compacted, acceptable granular material (e.g. DoT Type 1, or similar approved).

6.3 Foundations

Based on the exploratory hole findings, it is concluded that relatively conventional strip, pad or trench fill foundations, constructed in the weathered chalk deposits of the Seaford Chalk Formation should be suitable for use at the site.

The depth of the foundations will need to reflect the variable weathering profile of the Chalk, together with the presence of any localised areas of Made Ground (e.g. in the northern corner of the site and at the location of the infilled chalk pit).

At the selected positions, structureless Chalk was encountered between around 0.4 and 1.0 m below the existing ground surface, whilst the extremely weak in-situ Chalk ‘bedrock’ was encountered at depths ranging between approximately 0.6 and 1.5 m. Based on the encountered ground conditions, making reference to the range of SPT N-values and the published guidance issued by CIRIA and British Standards Institution (Ref. 8 & 14), a presumed bearing value of at least 150 kN/m^2 would be considered appropriate for strip or trench fill foundations constructed within the undisturbed natural Chalk at nominal 1 m depth. This could reasonably be increased to a value of at least 200 kN/m^2 for square pad foundations at similar levels, acknowledging the inherent rigidity of such an arrangement.

At greater depths of around 1.5 m, for foundations constructed wholly within the in-situ Chalk ‘bedrock’ a higher presumed bearing value of at least 200 kN/m^2 would generally be considered appropriate for strip or trench fill foundations, increasing to at least 250 kN/m^2 for square pad foundations.

Bearing values of the magnitude suggested above should ensure that total and differential settlements remain within normal acceptable limits (i.e. total settlements < 25 mm).

Notwithstanding the above, it is recommended the published CIRIA guidance (Ref. 14) is followed in the design and construction of foundations and substructures. Where the ground conditions change within the footprint of a structure, the foundations should be constructed in the same stratum, wherever possible, in order to reduce differential settlements. Should differing soil types be exposed at the formation level (e.g. areas of deeper residual soil or evidence of solution features etc.) the foundations should be extended down into consistent materials. Consideration should be afforded to the use of reinforcement as an additional precaution in this regard, acknowledging the possibility of solution features occurring within strata of this type.

The determination of minimum formation levels should afford consideration to the plasticity and shrinkage potential of the underlying soils in the context of the potential influence of any proposed planting, or nearby trees / hedgerows, for example in the area of the copse to the north and along the boundaries. It is recommended guidelines such as those published by the NHBC for domestic construction (Ref. 7) are consulted. The appended classification test data indicate that the shallow residual soils are of a worst-case high shrinkage potential. However, the underlying chalk is of low shrinkage potential.

In the construction of shallow foundations, it is imperative that concentrations of rainwater percolating into the ground should be avoided. Foundation excavations should be blinded immediately after excavation, and any chalk that has been disturbed, remoulded or 'puttied' by the excavations, should be removed.

The groundwater regime beneath the site may be subject to seasonal, climatic and other variations. The reported observations therefore may not be fully representative of the groundwater regime at the site and different groundwater conditions may be encountered during future investigation or development works. Any water arising from the works should be channelled to, and discharged at, suitable approved locations in accordance with the usual engineering protocols.

All designs and site works should be assessed and supervised by a suitably qualified Geotechnical Engineer.

6.4 Ground Floor Slabs

Subject to the aforementioned considerations and the provision of an appropriately engineered sub-base, it is probable that suitably engineered and articulated ground bearing floor slabs would generally perform satisfactorily.

Prior to construction works commencing, all formations should be proof rolled and inspected by a suitably qualified and experienced engineer. Any soft/loose spots should be excavated and replaced with suitably engineered fill material (e.g. DoT Class 1A, or similar approved) which should be compacted in thin horizontal layers in accordance with the DoT Specification for Highway Works (SHW).

Particular vigilance should be exercised in respect of the possibility of dissolution features or other variations in the weathering profile and it should be acknowledged that the chalk is likely frost-susceptible, such that a minimum construction thickness may be required. As mentioned above, historic features such as the former pond and chalk pit should also be located and considered in this regard. In addition, the floor slab designs should afford consideration to the soil plasticity and the proximity of (or proposed removal of) any trees / vegetation, for example in the north of the site.

Where necessary, subject to engineering advice, floor slabs should be suspended, or partially suspended.

6.5 Pavement Design

CBR tests were performed using a hand portable Mexecone Penetrometer at nominal depths of 0.5 and 1.0 m within the exploratory holes.

The results are presented on the individual trial pit records and indicate significant diversity in the CBR values at 0.5 m depth, which range from 2 % up to the full scale deflection of the instrument at greater than 15 %. In this regard, whilst the lower bound CBR value of 2 % would be recommended for preliminary design purposes, the potential frost susceptibility of the materials may be of overriding significance in terms of establishing required sub-base thicknesses. In this regard, pavement construction within Chalk would ordinarily be expected to be designed to extend at least 450 mm below ground level in order to provide the necessary degree of protection against frost heave.

Prior to constructing the pavements, all formations should be proof rolled and inspected by a suitably qualified and experienced engineer. Any soft/loose spots should be excavated and replaced with well compacted suitable fill material (e.g. DoT Class 1A, or similar approved) which should be compacted in thin horizontal layers in accordance with the DoT Specification for Highway Works (SHW).

6.6 Soakaway Design

In-situ soil infiltration tests were undertaken in eight of the trial pits and their graphical representations are presented in Appendix F.

The results indicate moderate infiltration rates in the order of around 1.8×10^{-5} m/s to 2.4×10^{-4} m/s. In this regard, relatively traditional soakaways are likely to prove suitable for the design of surface water drainage at the site.

Soakaways should be sited well away from the foundations and other substructures in order to ensure that the concentrated ingress of water into the chalk cannot initiate dissolution features. Where the chalk is medium density (or higher), the closest part of the soakaway should be at least 5 m away from any foundations. Within low density materials, soakaways should be sited at least 10 m from foundations. In this context the encountered chalk deposits were typically of low to medium and medium density.

It should be noted that the Environment Agency usually requires that soakaways are constructed within natural ground, with their base at least 1 m above the water table. The latter would be expected to be easily achievable, acknowledging the water table is indicated to lie some 60 m + below ground level based on the records of nearby boreholes presented on the BGS website.

TABLES

LAND ADJACENT HIGH POST BUSINESS PARK, SALISBURY

Table 1 - Estimation of Chronic Human Health Risks for

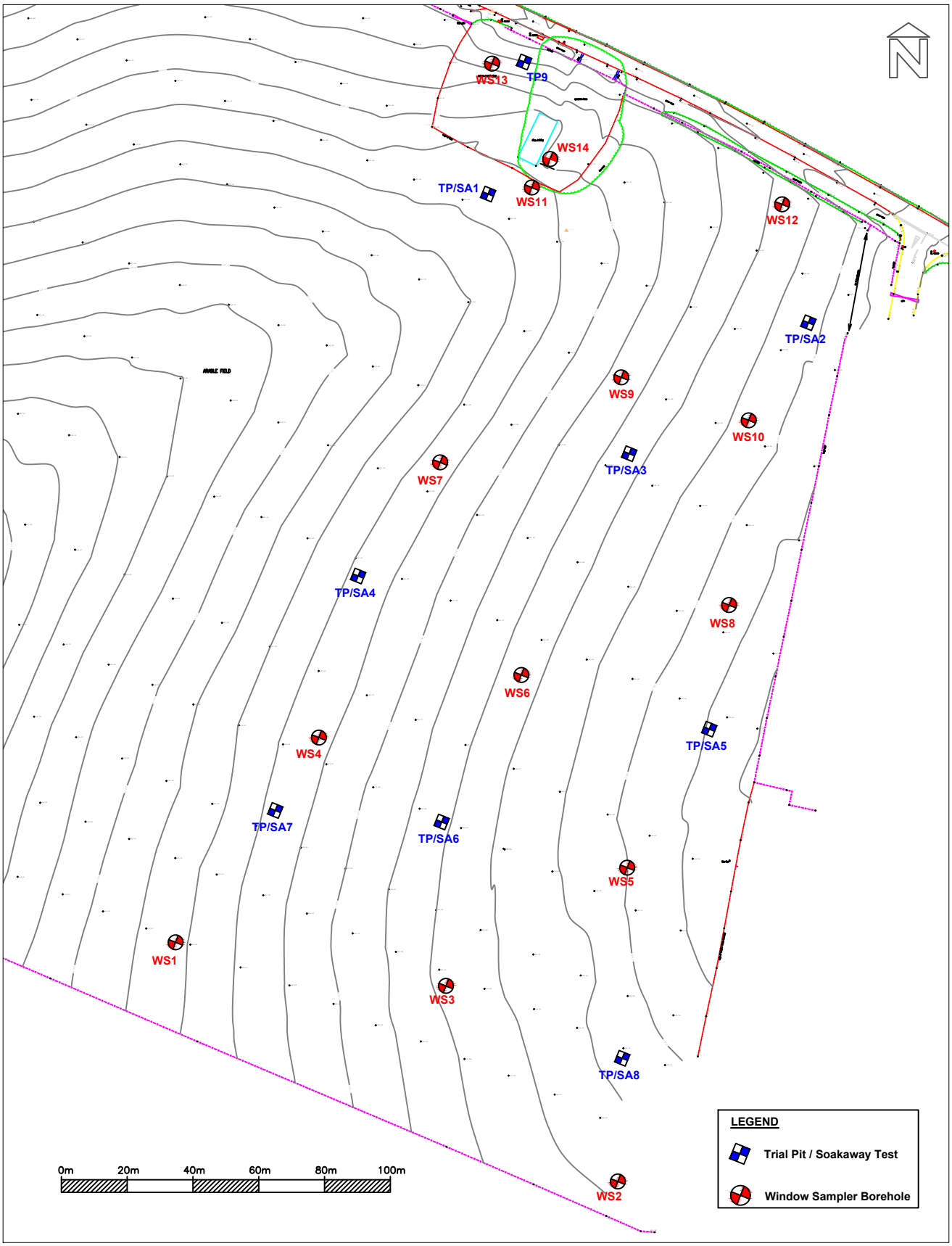
Standard Commercial Land Use (1% SOM)

Contaminant		Units	GAC	Pass criteria?	WS01	WS02	WS04	WS05	WS06	WS07	WS10	WS12	WS14	TP09
					0.20m	0.50m	0.30m	0.20m	1.00m	0.30m	0.30m	0.30m	0.20m	0.50m
pH value		-	-	-	8.1	8.1	7.4	7.2	7.9	7.2	7.0	7.6	7.7	7.5
Soil Organic Matter		%	-	-	2.1	1.2	3.8	2.5	0.2	4.0	2.9	3.6	4.2	14
Asbestos Fibres Screen		-	-	-	NAI	NAI	NAI	NAI	NAI	NAI	NAI	NAI	NAI	NAI
Metals and inorganics	Arsenic	mg/kg	**640**	✓	7.9	9.1	8.2	10.0	< 1.0	8.9	10.3	9.4	21.4	10.6
	Boron	mg/kg	**240,000**	✓	0.9	0.8	1.4	1.1	< 0.5	1.0	1.5	1.0	2.4	2.2
	Cadmium	mg/kg	**190**	✓	0.5	< 0.5	0.6	0.7	0.6	0.9	1.1	1.1	1.5	1.3
	Chromium	mg/kg	**8,600**	✓	23.7	29.8	25.8	34.8	7.0	27.9	33.1	30.7	28.6	27.3
	Chromium (VI)	mg/kg	**33**	✓	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
	Copper	mg/kg	**68,000**	✓	10.3	9.7	12.0	12.2	< 5.0	13.4	14.8	13.7	24.5	53.7
	Lead	mg/kg	**2300**[C4SL]	✓	19.0	17.1	22.4	23.8	< 5.0	29.0	31.8	30.8	106	134
	Inorganic Mercury	mg/kg	**1,100**	✓	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	Nickel	mg/kg	**980**	✓	19.4	25.6	18.7	26.1	< 5.0	20.4	24.1	23.5	28.6	23.2
	Selenium	mg/kg	**12,000**	✓	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	Zinc	mg/kg	**730,000**	✓	55.1	61.8	62.8	74.6	19.7	70.1	76.4	81.6	121	245
	Cyanide	mg/kg	**41**[GI]	✓	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Organics	Phenols	mg/kg	**440**	✓	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
PAHs	Naphthalene	mg/kg	**190**	✓	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.06	0.06
	Acenaphthylene	mg/kg	**83,000**	✓	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02	0.10
	Acenaphthene	mg/kg	**84,000**	✓	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.08
	Fluorene	mg/kg	**63,000**	✓	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	0.06
	Phenanthrene	mg/kg	**22,000**	✓	0.01	0.02	0.01	0.01	< 0.01	0.02	< 0.01	< 0.01	0.18	0.99
	Anthracene	mg/kg	**520,000**	✓	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.03	0.22
	Fluoranthene	mg/kg	**23,000**	✓	0.03	0.03	0.03	0.03	< 0.01	0.04	< 0.01	< 0.01	0.42	4.05
	Pyrene	mg/kg	**54,000**	✓	0.02	0.03	0.02	0.02	< 0.01	0.03	< 0.01	< 0.01	0.35	3.72
	Benzo(a)anthracene	mg/kg	**170**	✓	0.01	0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.27	2.20
	Chrysene	mg/kg	**350**	✓	0.02	0.02	0.02	0.01	< 0.01	0.02	< 0.01	< 0.01	0.34	2.55
	Benzo(b)fluoranthene	mg/kg	**44**	✓	0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.37	3.16
	Benzo(k)fluoranthene	mg/kg	**1,200**	✓	0.02	0.02	0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.40	2.77
	Benzo(a)pyrene	mg/kg	**35**	✓	0.01	0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.23	3.43
	Indeno(1,2,3-c,d)pyrene	mg/kg	**500**	✓	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.16	2.23
	Dibenzo(ah)anthracene	mg/kg	**3.5**	✓	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.07	0.94
	Benzo(g,h,i)perylene	mg/kg	**3,900**	✓	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.16	2.70
BTEX	Benzene	mg/kg	**27**	✓	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	Toluene	mg/kg	**56,000**	✓	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	Ethyl Benzene	mg/kg	**5,700**	✓	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	Xylenes	mg/kg	**5,900**	✓	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
TPHs (Aromatics)	>nC_5-nC_7	mg/kg	**26,000**	✓	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	>nC_7-nC_8	mg/kg	**56,000**	✓	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	>nC_8-nC_{10}	mg/kg	**3,500**	✓	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	>nC_{10}-nC_{12}	mg/kg	**16,000**	✓	< 1.0	< 1.0	< 1.0	< 1.0	^ < 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	>nC_{12}-nC_{16}	mg/kg	**36,000**	✓	< 1.0	1.1	< 1.0	< 1.0	^ < 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.0
	>nC_{16}-nC_{21}	mg/kg	**28,000**	✓	< 1.0	< 1.0	< 1.0	< 1.0	^ < 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.2
	>nC_{21}-nC_{35}	mg/kg	**28,000**	✓	3.6	8.0	< 1.0	< 1.0	^ < 1.0	< 1.0	< 1.0	< 1.0	2.7	49.7
	>nC_{35}-nC_{44}	mg/kg	**28,000**	✓	< 1.0	1.7	< 1.0	< 1.0	^ < 1.0	< 1.0	< 1.0	< 1.0	< 1.0	16.1
TPHs (Aliphatics)	>nC_5-nC_6	mg/kg	**3,200**	✓	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	>nC_6-nC_8	mg/kg	**7,800**	✓	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	>nC_8-nC_{10}	mg/kg	**2,000**	✓	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	>nC_{10}-nC_{12}	mg/kg	**9,700**	✓	< 1.0	< 1.0	< 1.0	< 1.0	^ < 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	>nC_{12}-nC_{16}	mg/kg	**59,000**	✓	< 1.0	< 1.0	< 1.0	< 1.0	^ < 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	>nC_{16}-nC_{21}	mg/kg	**1,600,000**	✓	< 1.0	< 1.0	< 1.0	< 1.0	^ < 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	>nC_{21}-nC_{35}	mg/kg	**1,600,000**	✓	< 1.0	11.8	< 1.0	< 1.0	^ < 1.0	< 1.0	< 1.0	< 1.0	1.6	12.4
	>nC_{35}-nC_{45}	mg/kg	**1,600,000**	✓	< 1.0	< 1.0	< 1.0	< 1.0	^ < 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.3

Notes

GAC	Generic Assessment Criteria. All GAC are S4ULs published by CIEH/LQM in 2014, unless otherwise stated.
C4SL	Catergory 4 Screening Level published by DEFRA in 2013.
GI	GAC derived in-house by GI.
NAI	No asbestos identified
Value	Shaded cells indicate samples in which GAC is exceeded.

FIGURES



Ground Investigation

Unit 3, Westfield Court, Barns Ground, Kenn,
Clevedon, Bristol. BS21 6FQ.
Tel: 01275 876903
Email: mail@ground-investigation.com

SITE: Land Adjacent High Post Business Park, Salisbury

CLIENT: Nationwide Engineering

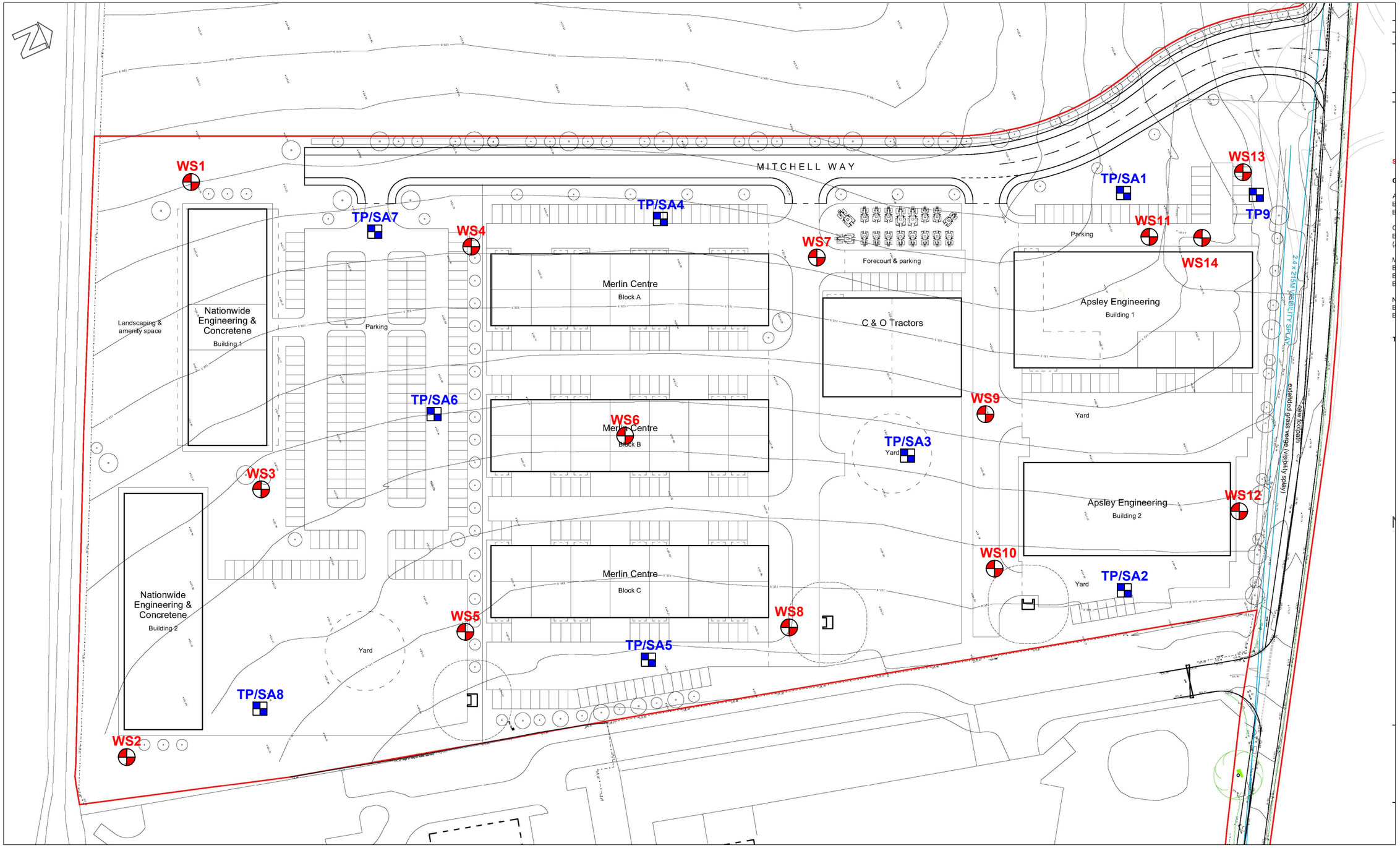
PROJECT ID: P1562 **SCALE:** NTS

FILENAME: P1562.Fig1.dwg

FIGURE 1

Exploratory Hole Positions

Existing Topography



LEGEND

WS1	Window Sampler Borehole
TP/SA1	Trial Pit / Soakaway Test

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Clevedon, BS21 6FQ
TEL: 01275 876903
www.ground-investigation.com

Site:
Land Adjacent High Post Business Park, Salisbury

Client:
Nationwide Engineering

Project No:
P1562

Scale:
1:1,000 (Approx. at A3 size)

Filename:
P1562.Fig2.dwg

FIGURE 2

Exploratory Hole Locations

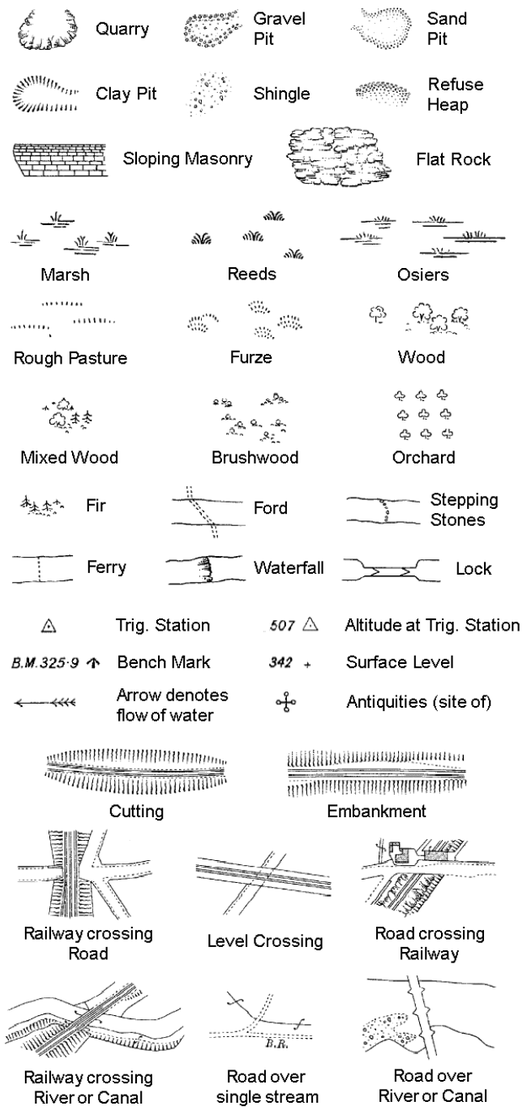
Proposed Layout

APPENDIX A

Historical Ordnance Survey Mapping

Historical Mapping Legends

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



County Boundary (Geographical)

County & Civil Parish Boundary

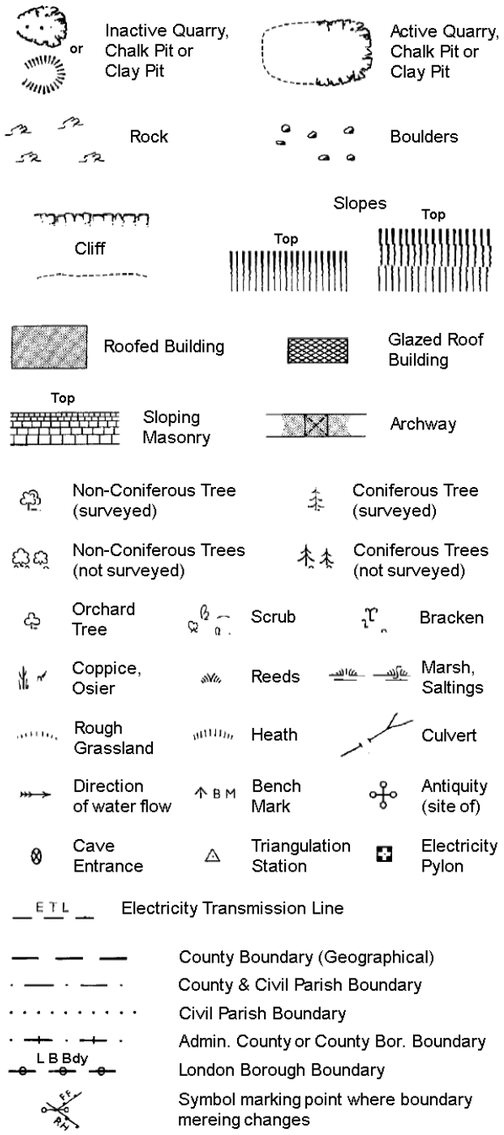
Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

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



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

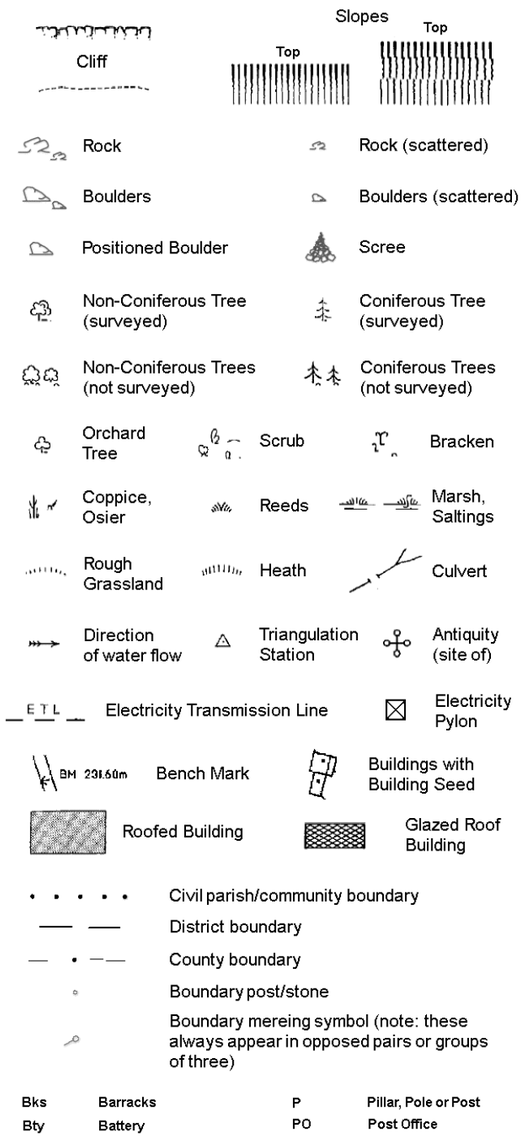
Admin. County or County Bor. Boundary

L B Bdy London Borough Boundary

Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

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

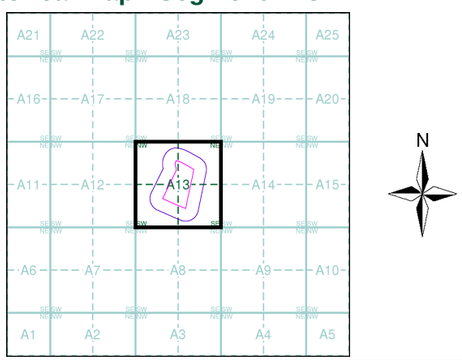
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Wiltshire	1:2,500	1877 - 1878	2
Wiltshire	1:2,500	1901	3
Wiltshire	1:2,500	1925	4
Wiltshire	1:2,500	1939	5
Ordnance Survey Plan	1:2,500	1974	6
Additional SIMs	1:2,500	1984	7
Large-Scale National Grid Data	1:2,500	1994	8

Historical Map - Segment A13

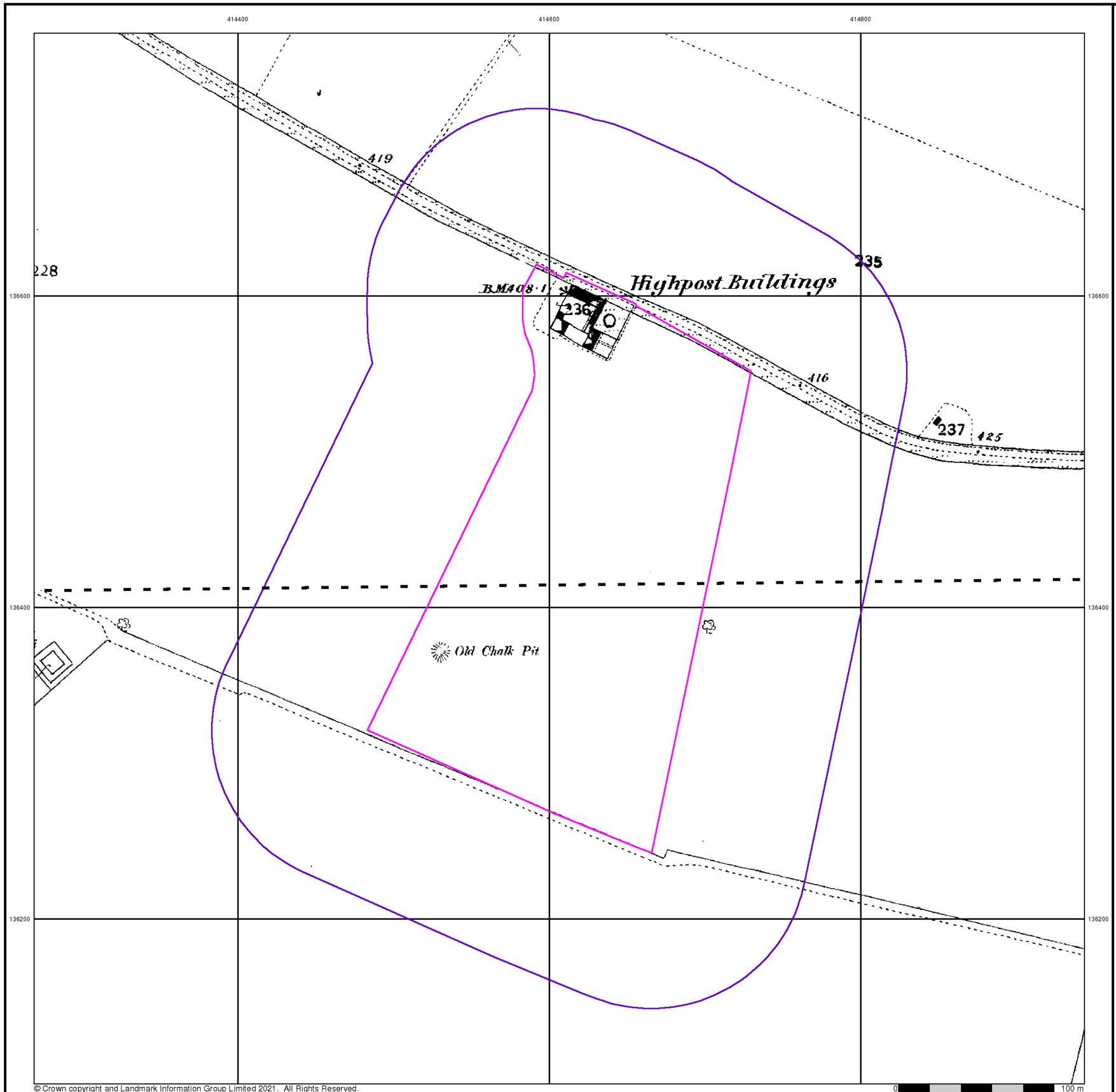


Order Details

Order Number:	285764538_1_1
Customer Ref:	P1562
National Grid Reference:	414620, 136430
Slice:	A
Site Area (Ha):	5.21
Search Buffer (m):	100

Site Details

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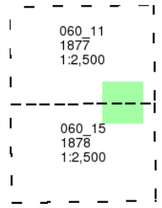
Wiltshire

Published 1877 - 1878

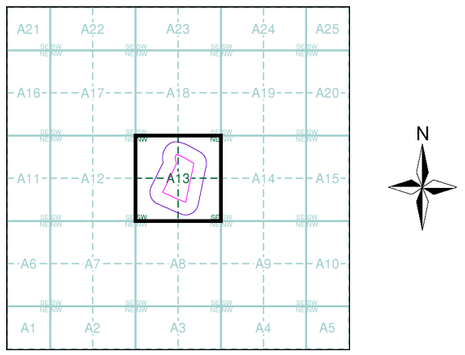
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



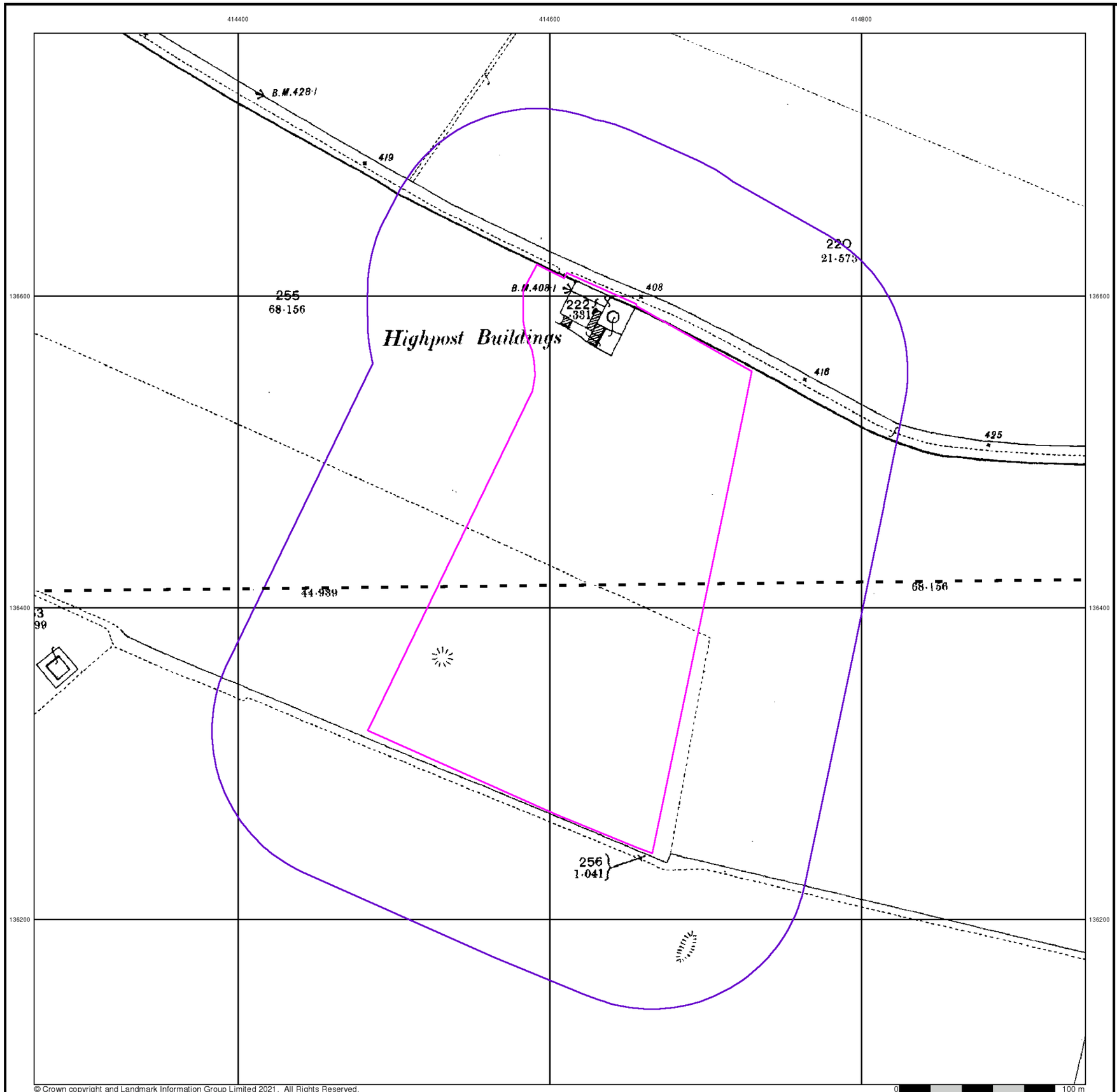
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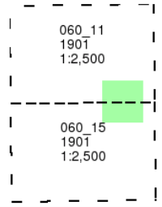
Wiltshire

Published 1901

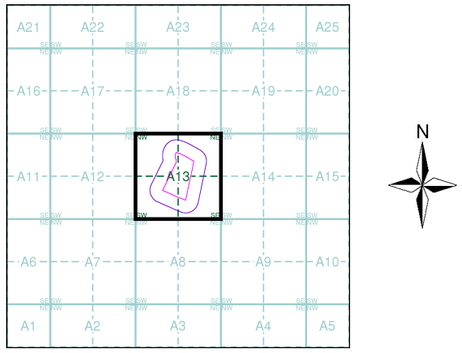
Source map scale - 1:2,500

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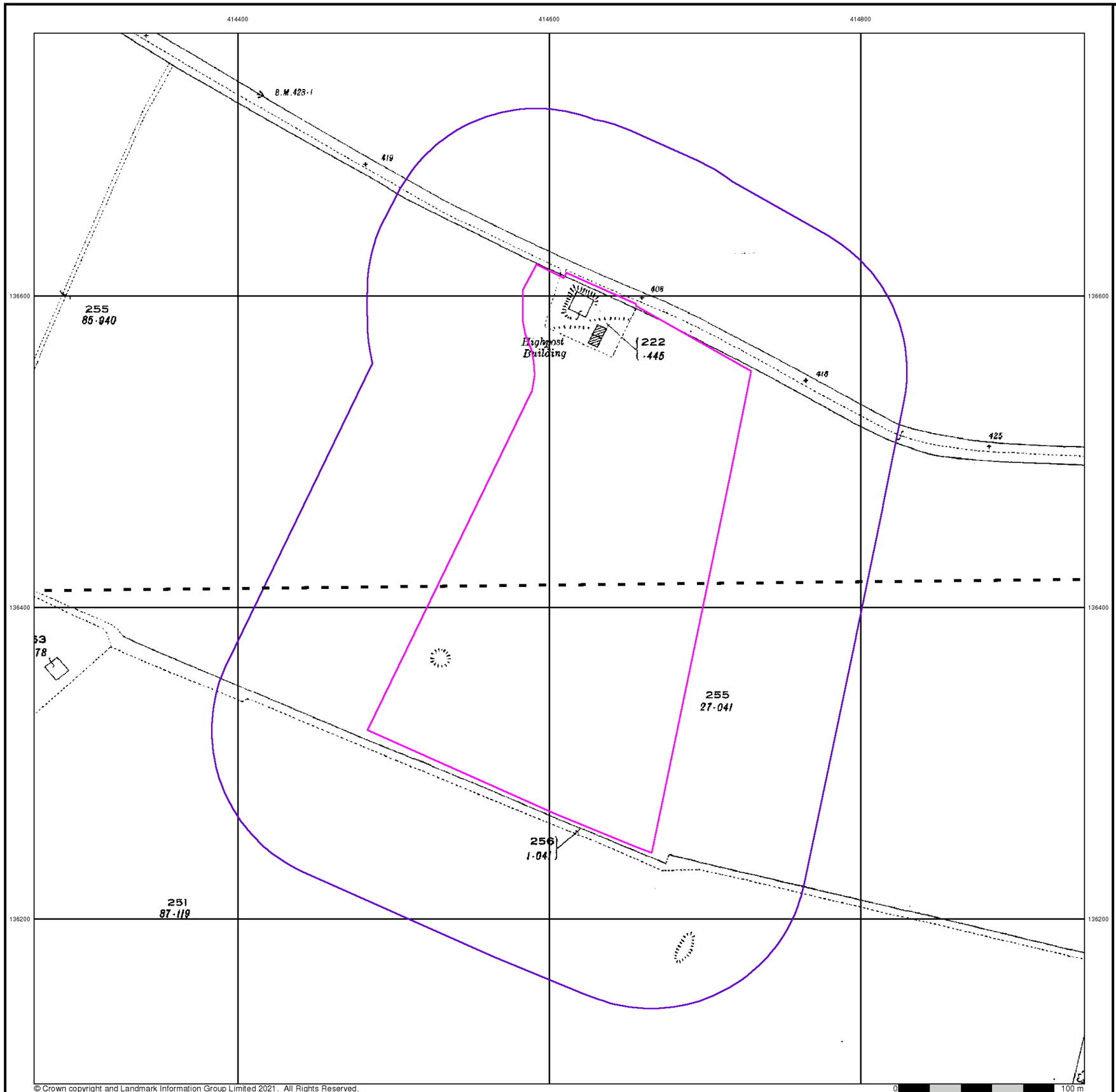
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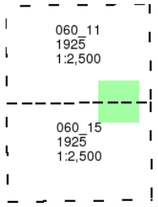
Wiltshire

Published 1925

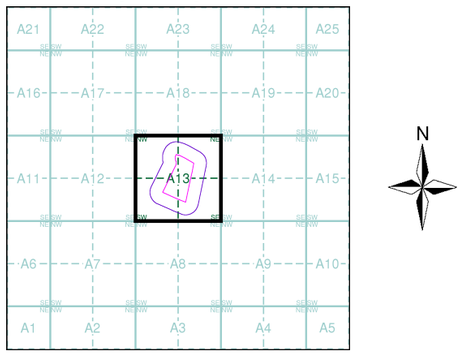
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Historical Map - Segment A13

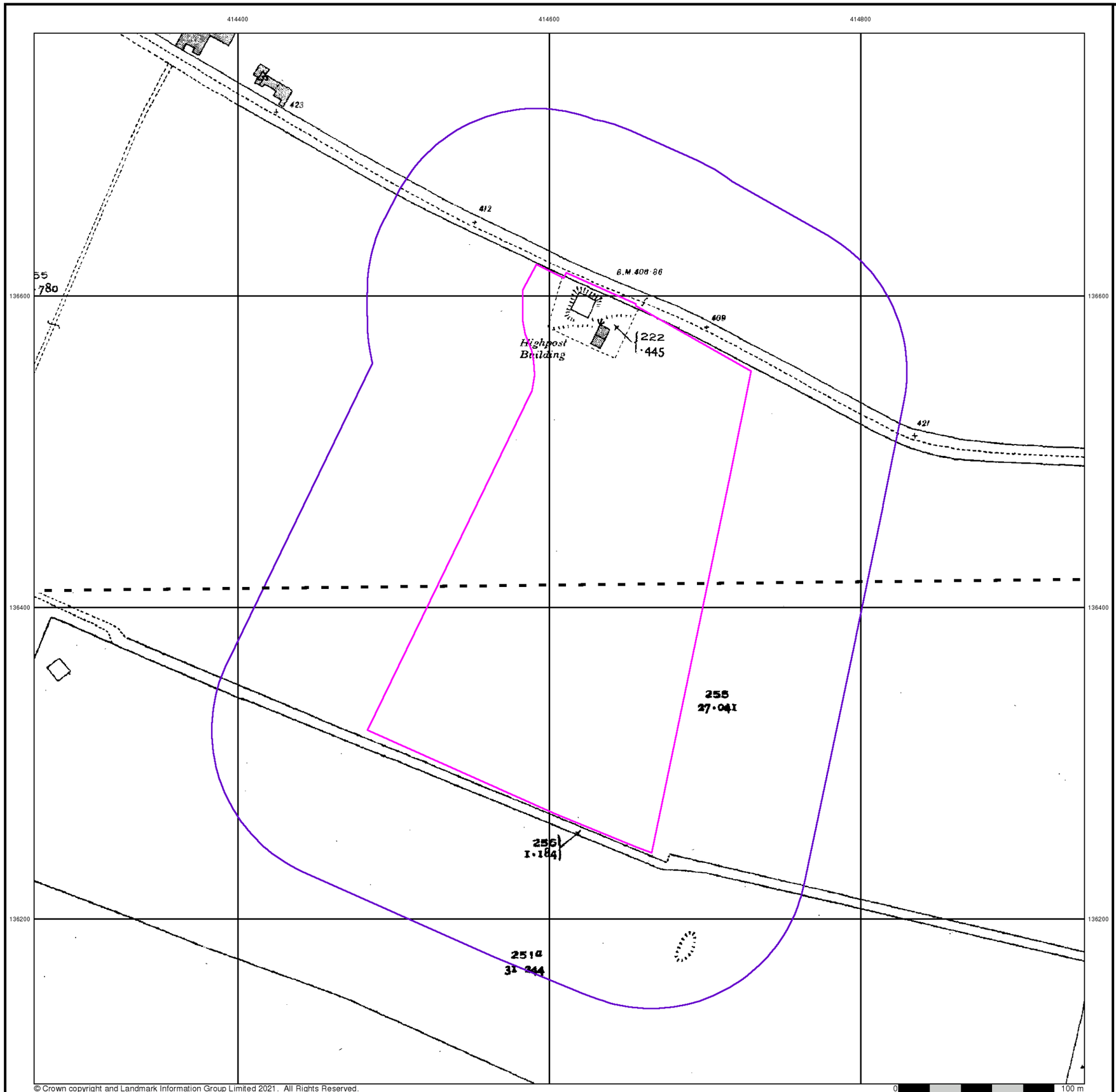


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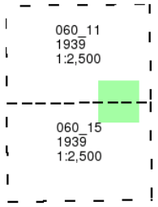
Wiltshire

Published 1939

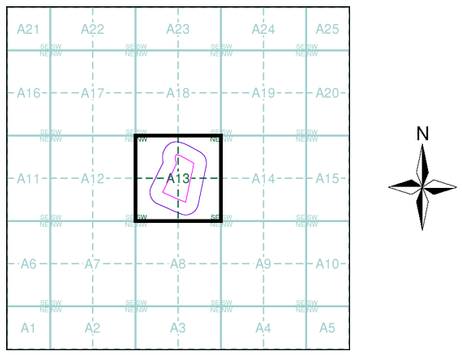
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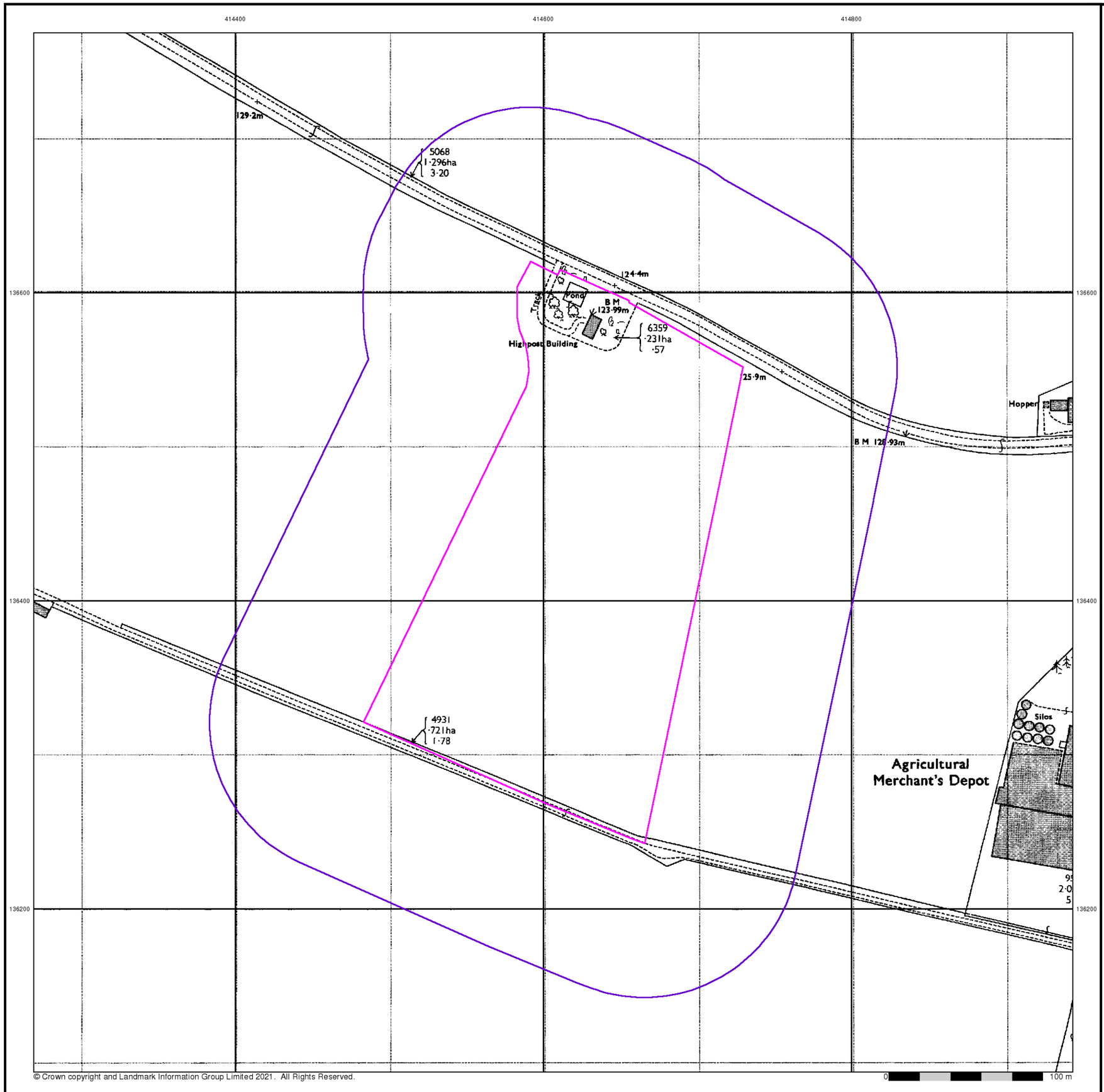


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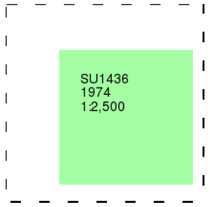
Ordnance Survey Plan

Published 1974

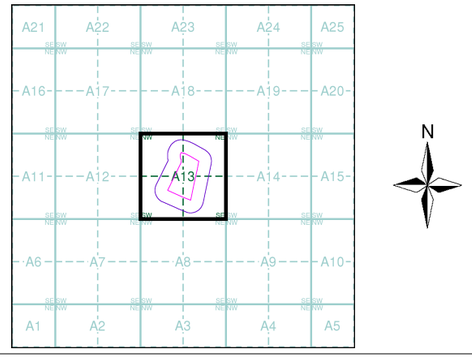
Source map scale - 1:2,500

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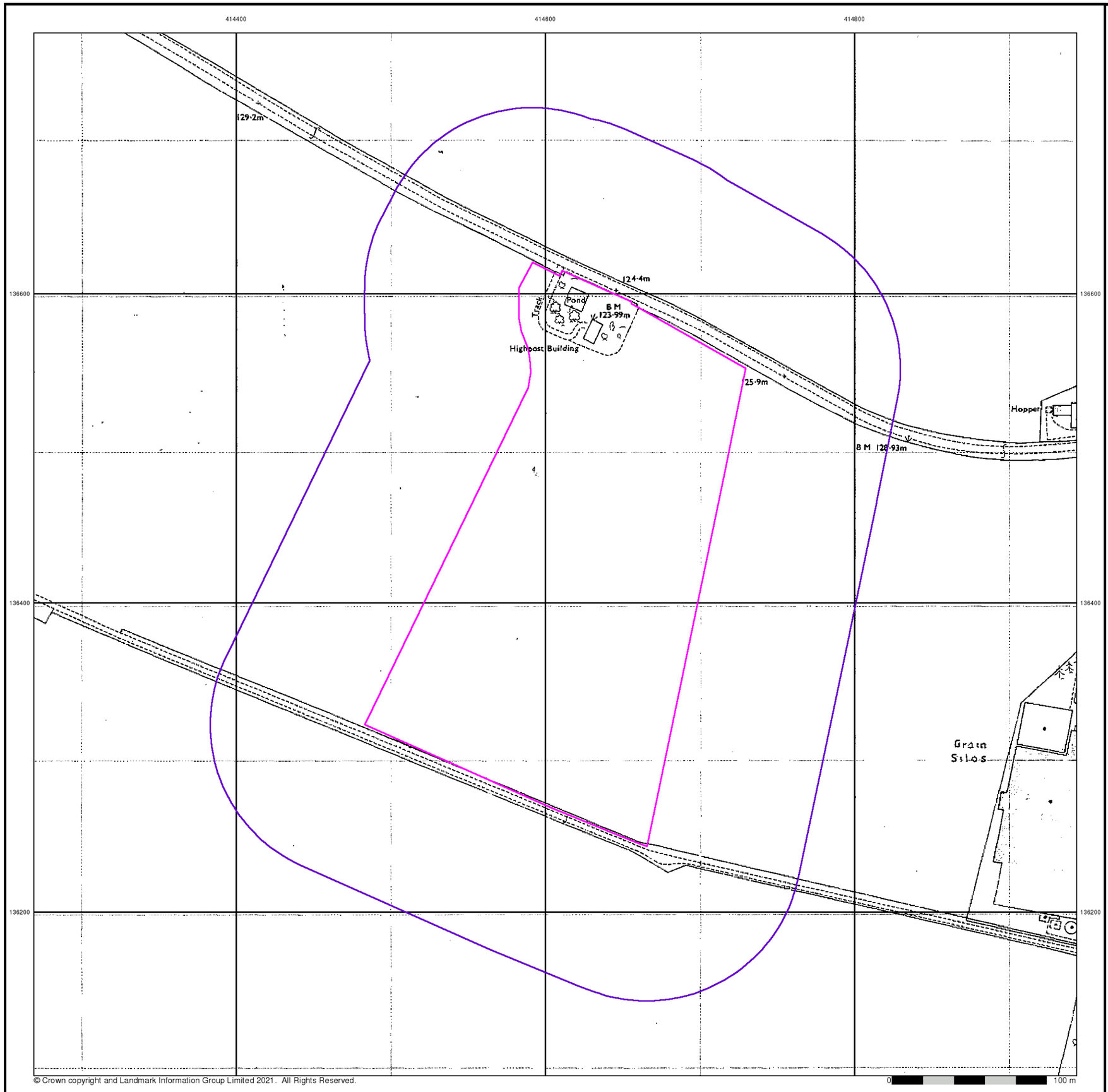
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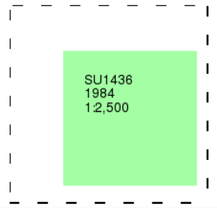
Additional SIMs

Published 1984

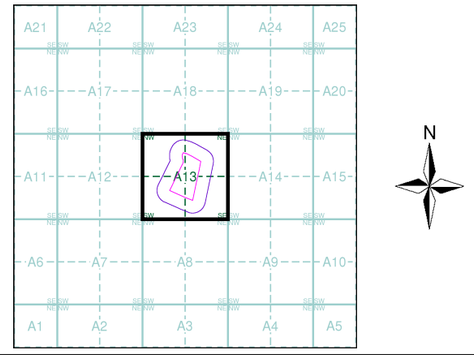
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



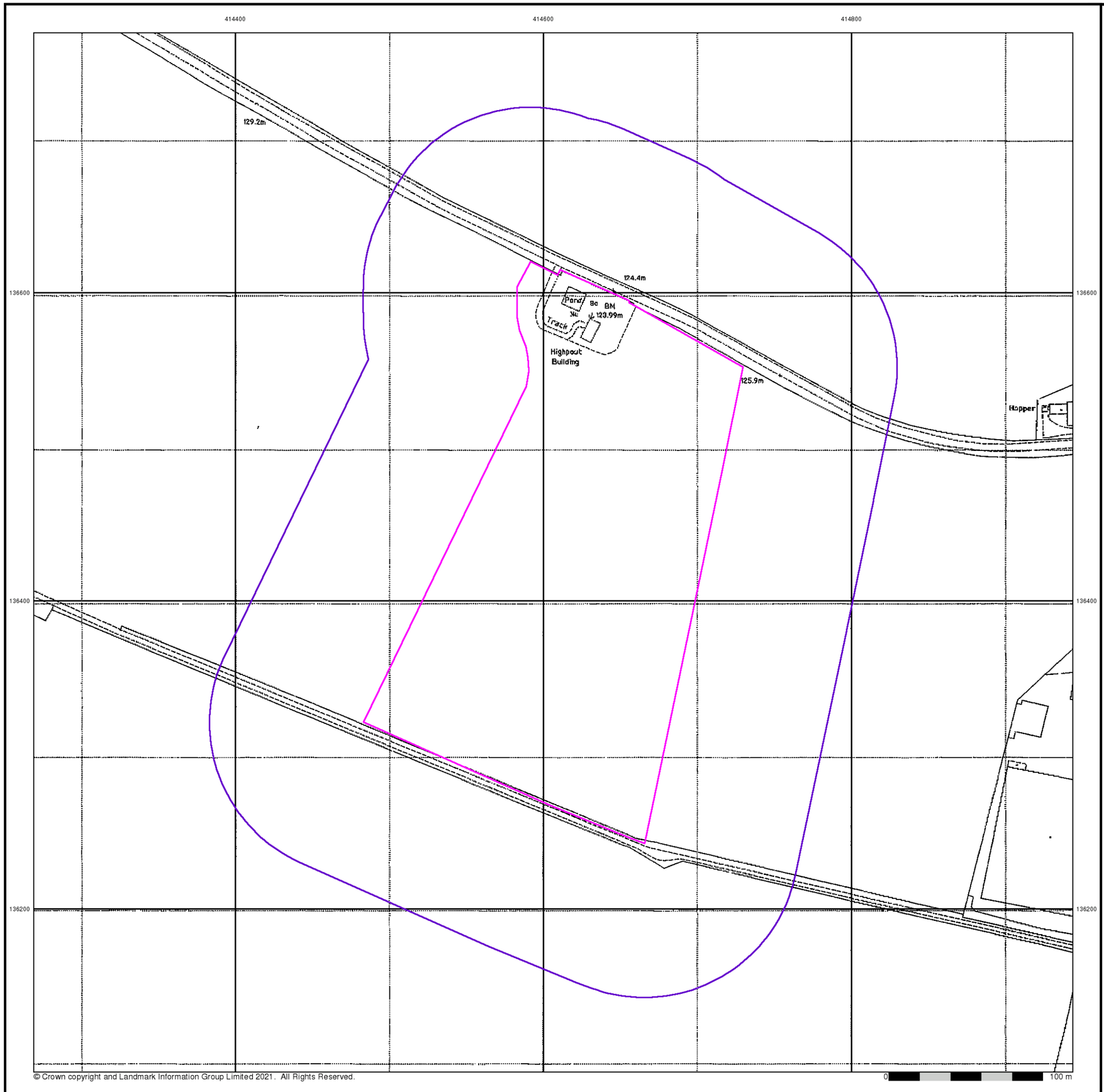
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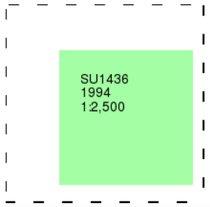
Large-Scale National Grid Data

Published 1994

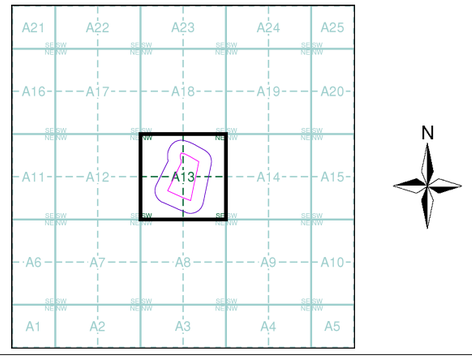
Source map scale - 1:2,500

'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



Order Details

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Customer Ref:	P1562
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Slice:	A
Site Area (Ha):	5.21
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Site Details

High Post Business Park, SALISBURY, SP4 6AT

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Gravel Pit
Sand Pit
Other Pits
Quarry
Shingle
Orchard
Osiers
Reeds
Marsh
Mixed Wood
Deciduous
Brushwood
Fir
Furze
Rough Pasture
Arrow denotes flow of water
Trigonometrical Station
Site of Antiquities
Bench Mark
Pump, Guide Post, Signal Post
Well, Spring, Boundary Post
·285 Surface Level
Sketched Contour
Instrumental Contour
Main Roads
Fenced
Un-Fenced
Minor Roads
Fenced
Un-Fenced
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
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)
R.D. Bdy. 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
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Pylon
Electricity Transmission Line
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
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
Shown only when not coincident with other boundaries
Civil Parish
Shown alternately when coincidence of boundaries occurs

BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1:10,000 Raster Mapping

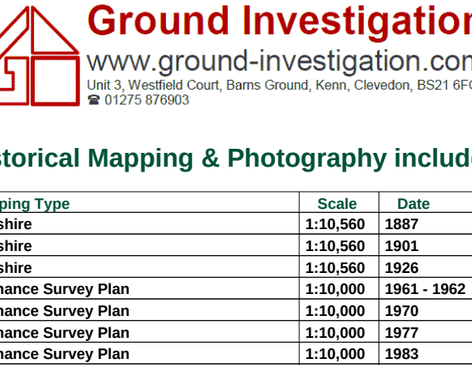
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community 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
MHW(S) Mean high water (springs)
MLW(S) Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m 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

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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Wiltshire	1:10,560	1887	2
Wiltshire	1:10,560	1901	3
Wiltshire	1:10,560	1926	4
Ordnance Survey Plan	1:10,000	1961 - 1962	5
Ordnance Survey Plan	1:10,000	1970	6
Ordnance Survey Plan	1:10,000	1977	7
Ordnance Survey Plan	1:10,000	1983	8
10K Raster Mapping	1:10,000	2000	9
Street View	Variable		10

Historical Map - Slice A



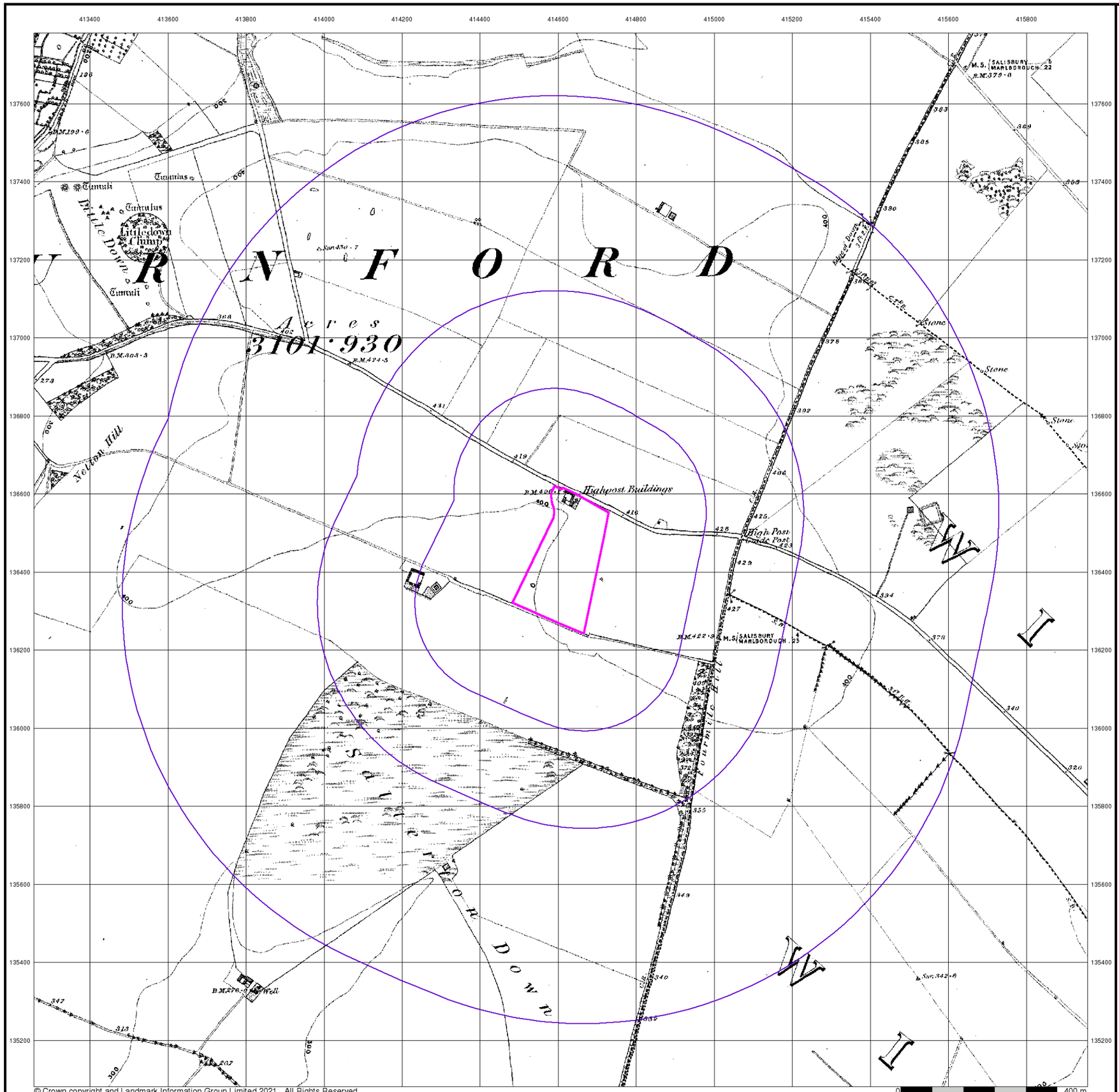
Order Details

Order Number: 285764538_1_1
Customer Ref: P1562
National Grid Reference: 414620, 136430
Slice: A
Site Area (Ha): 5.21
Search Buffer (m): 1000

Site Details

High Post Business Park, SALISBURY, SP4 6AT

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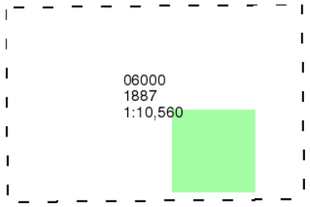
Wiltshire

Published 1887

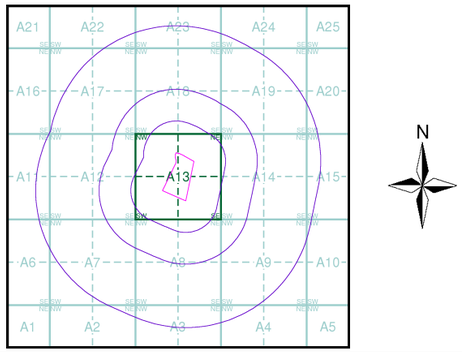
Source map scale - 1:10,560

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

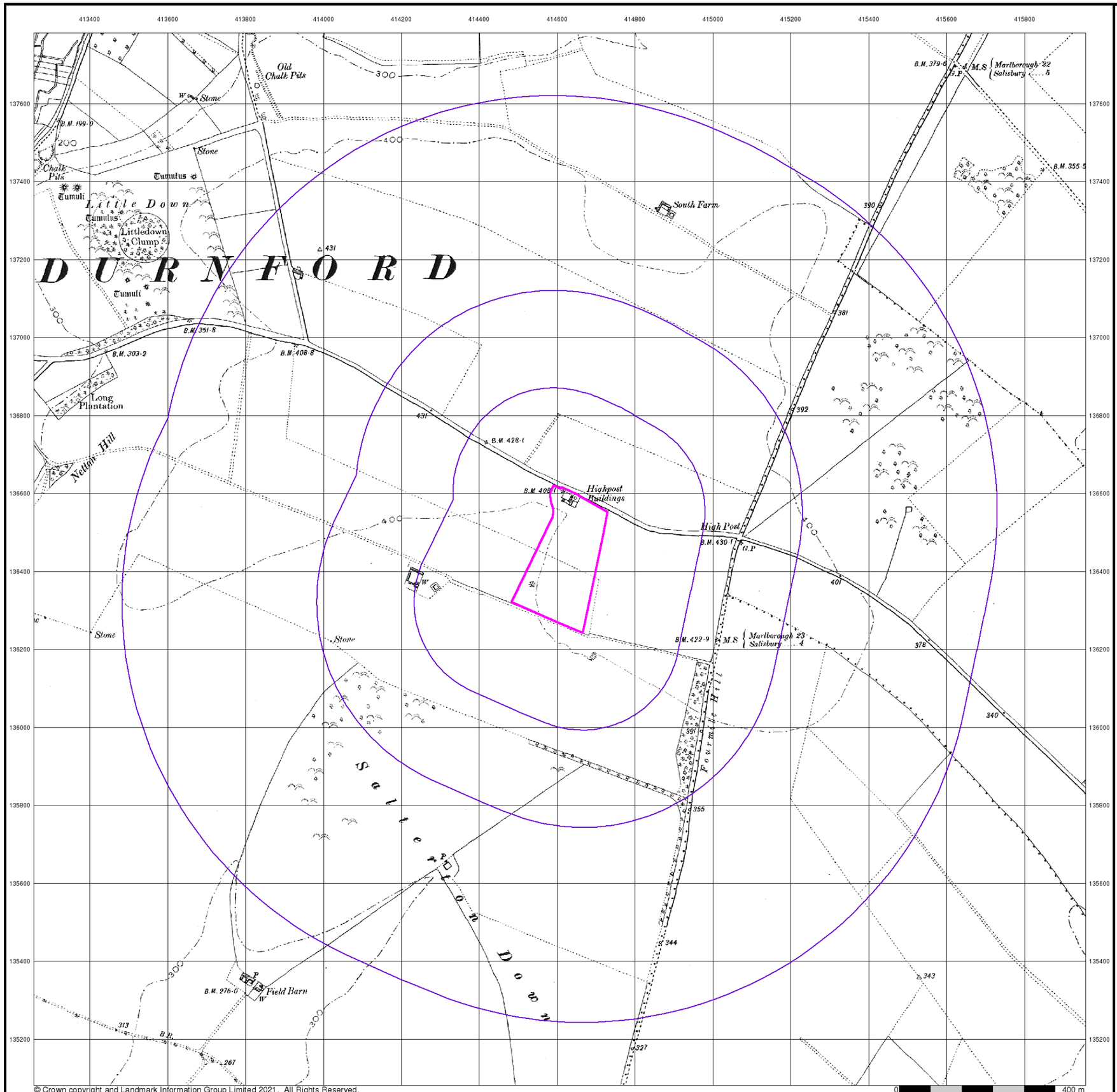


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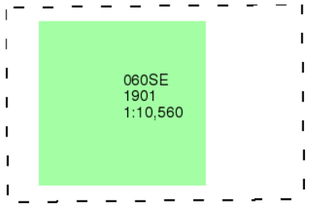
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Published 1901

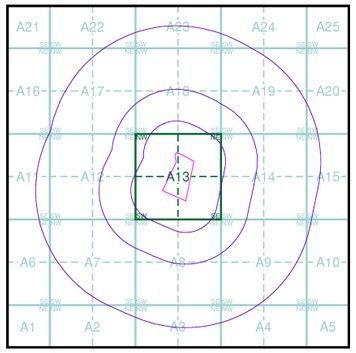
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A

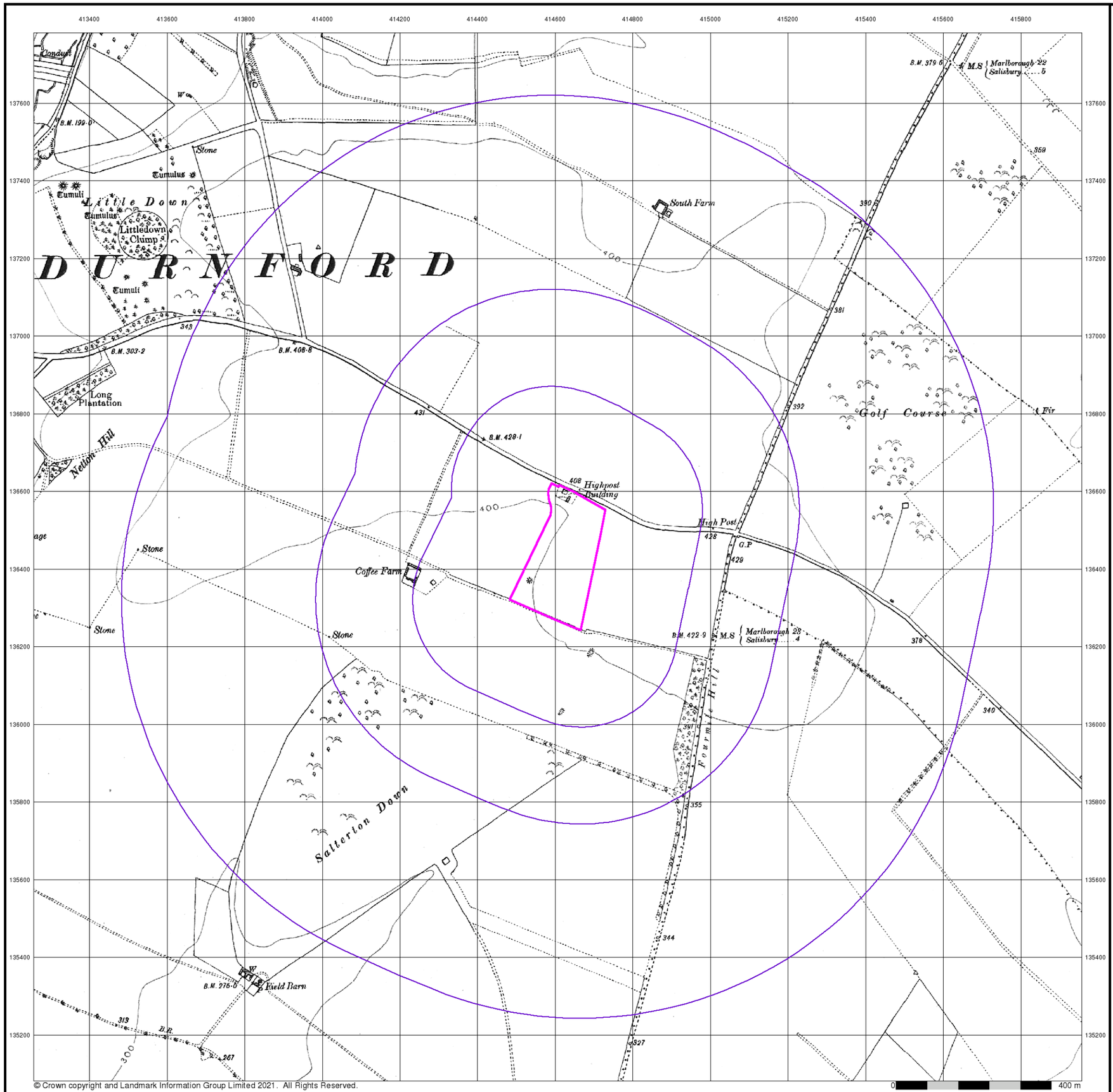


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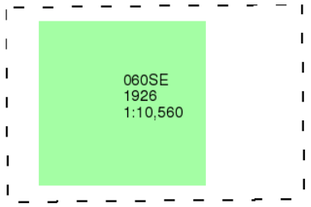
Wiltshire

Published 1926

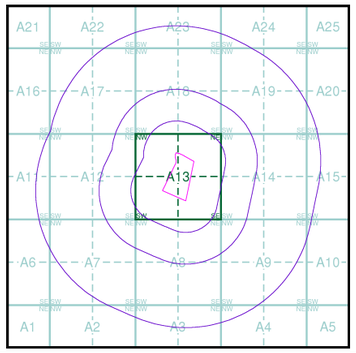
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A

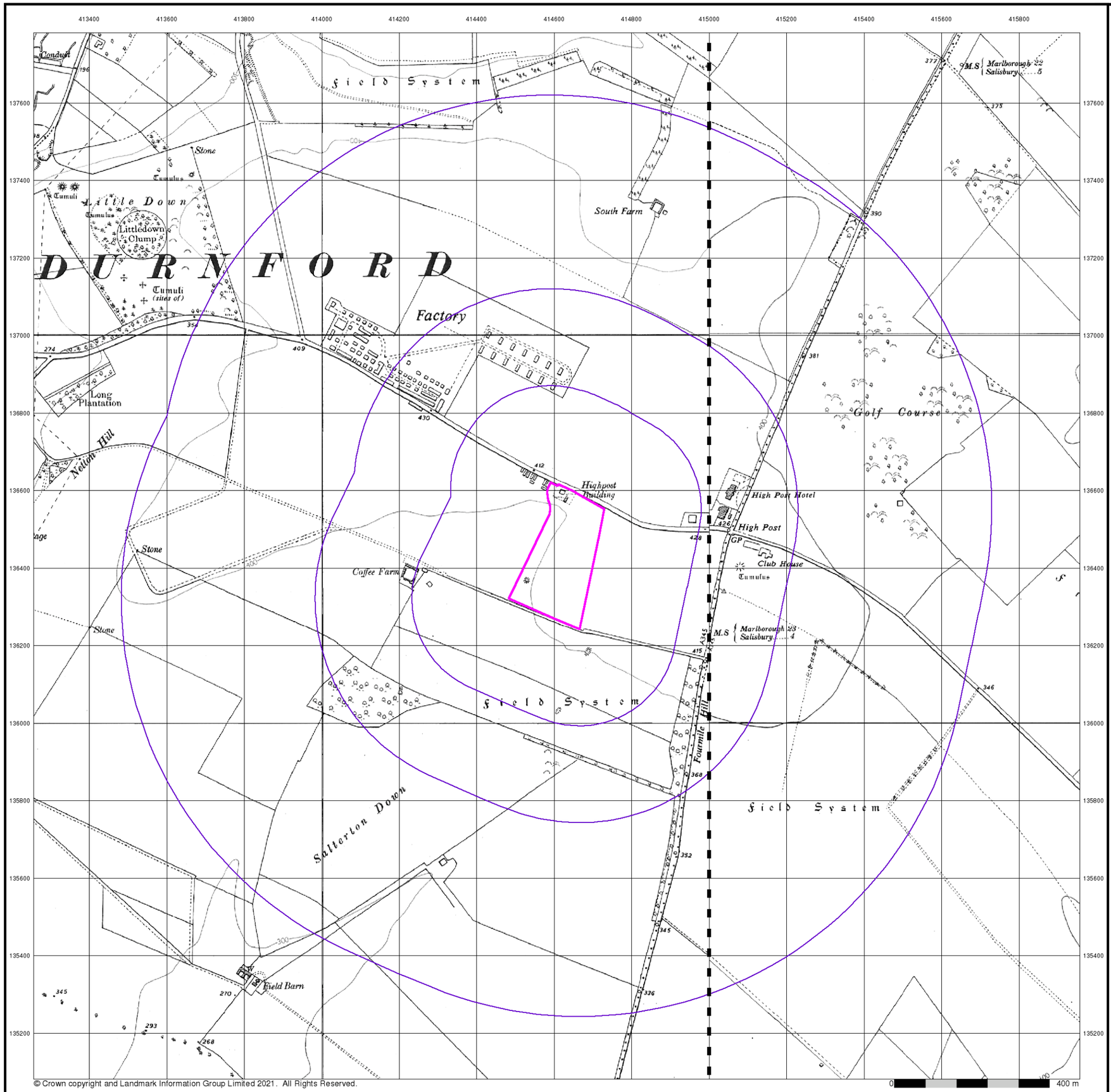


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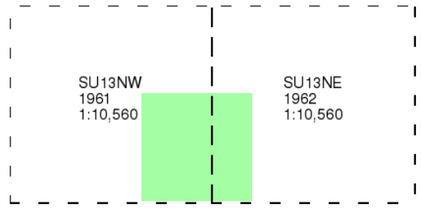
Ordnance Survey Plan

Published 1961 - 1962

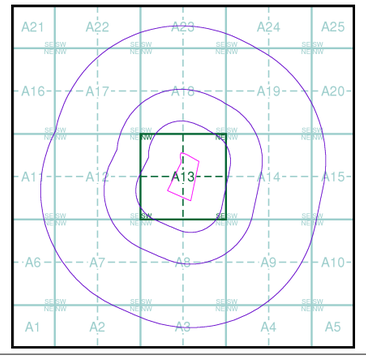
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A



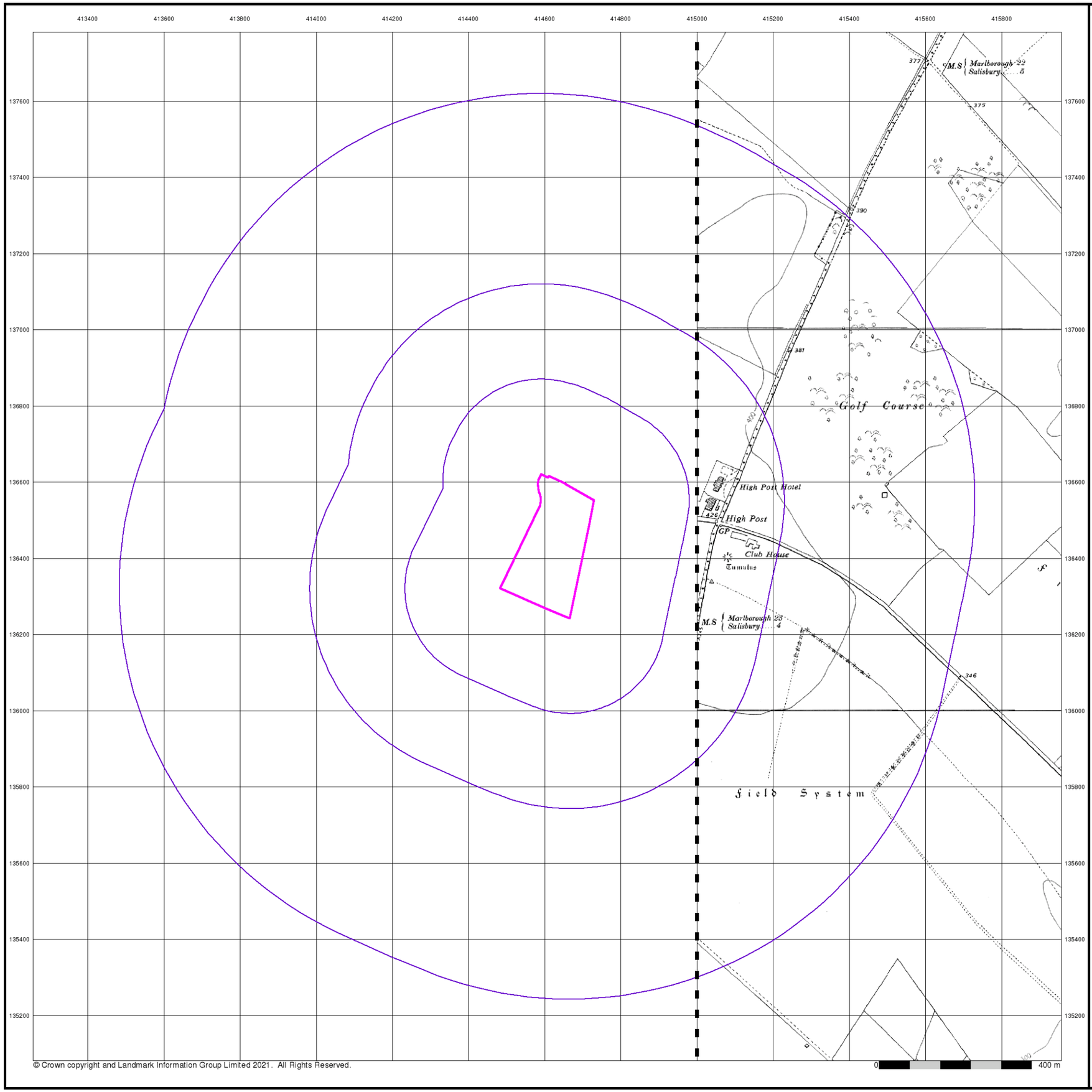
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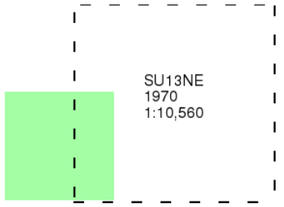
Ordnance Survey Plan

Published 1970

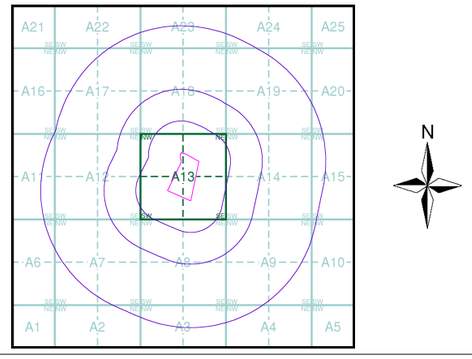
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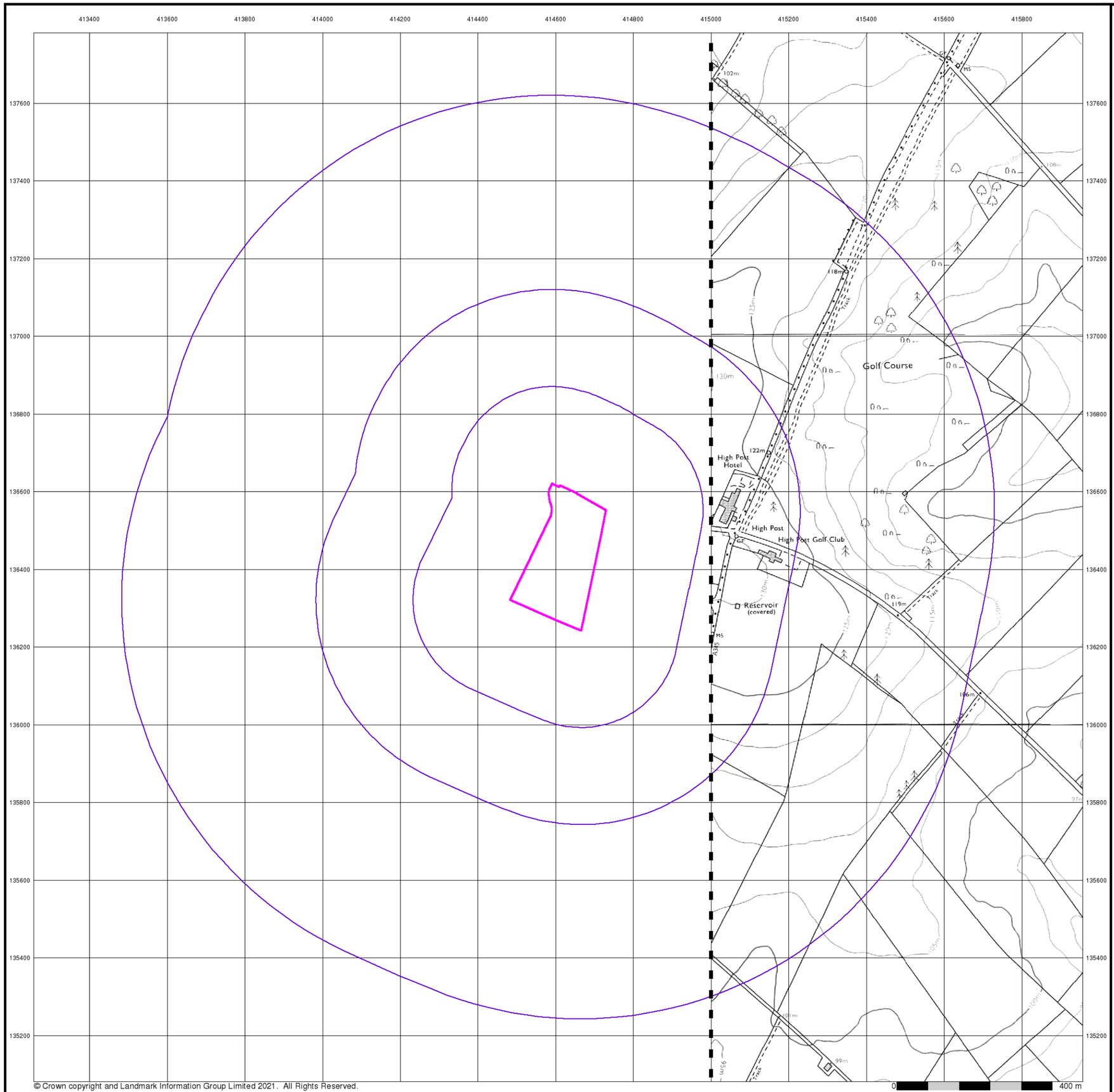
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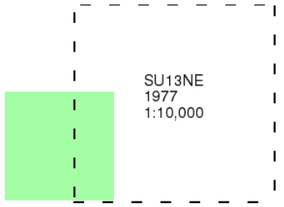
Ordnance Survey Plan

Published 1977

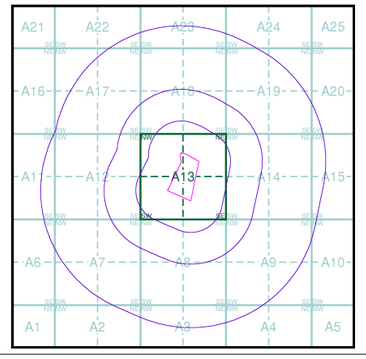
Source map scale - 1:10,000

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Historical Map - Slice A



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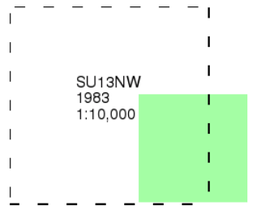
Ordnance Survey Plan

Published 1983

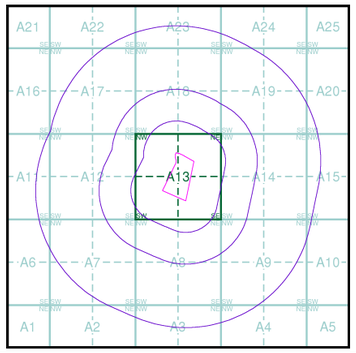
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Map Name(s) and Date(s)



Historical Map - Slice A

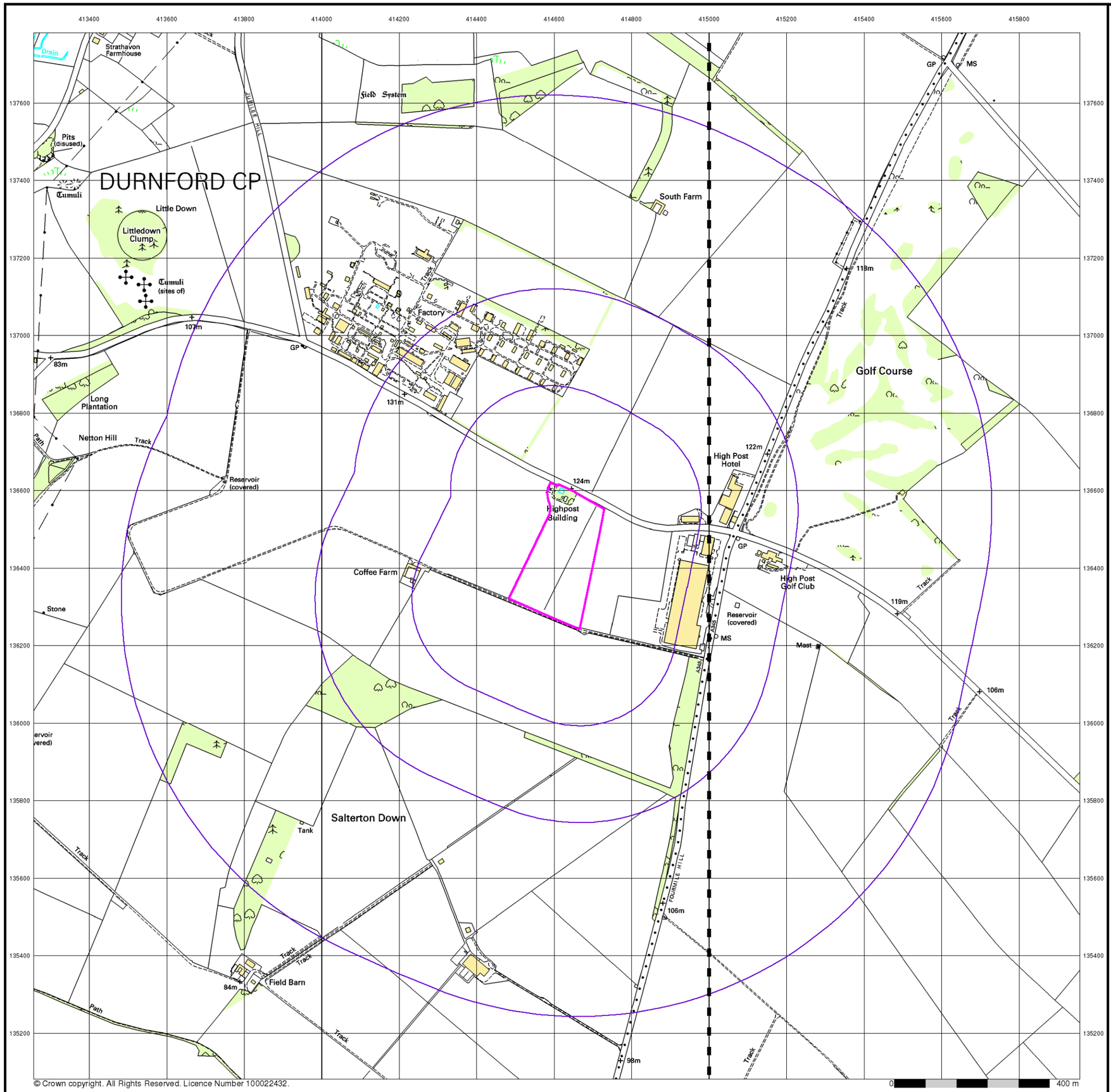


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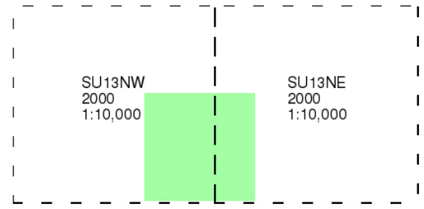
10k Raster Mapping

Published 2000

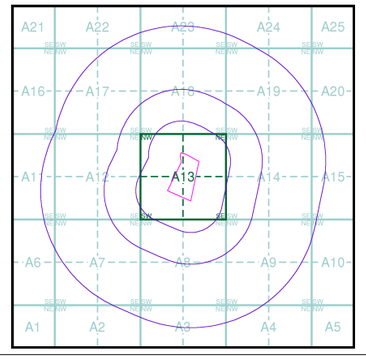
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A

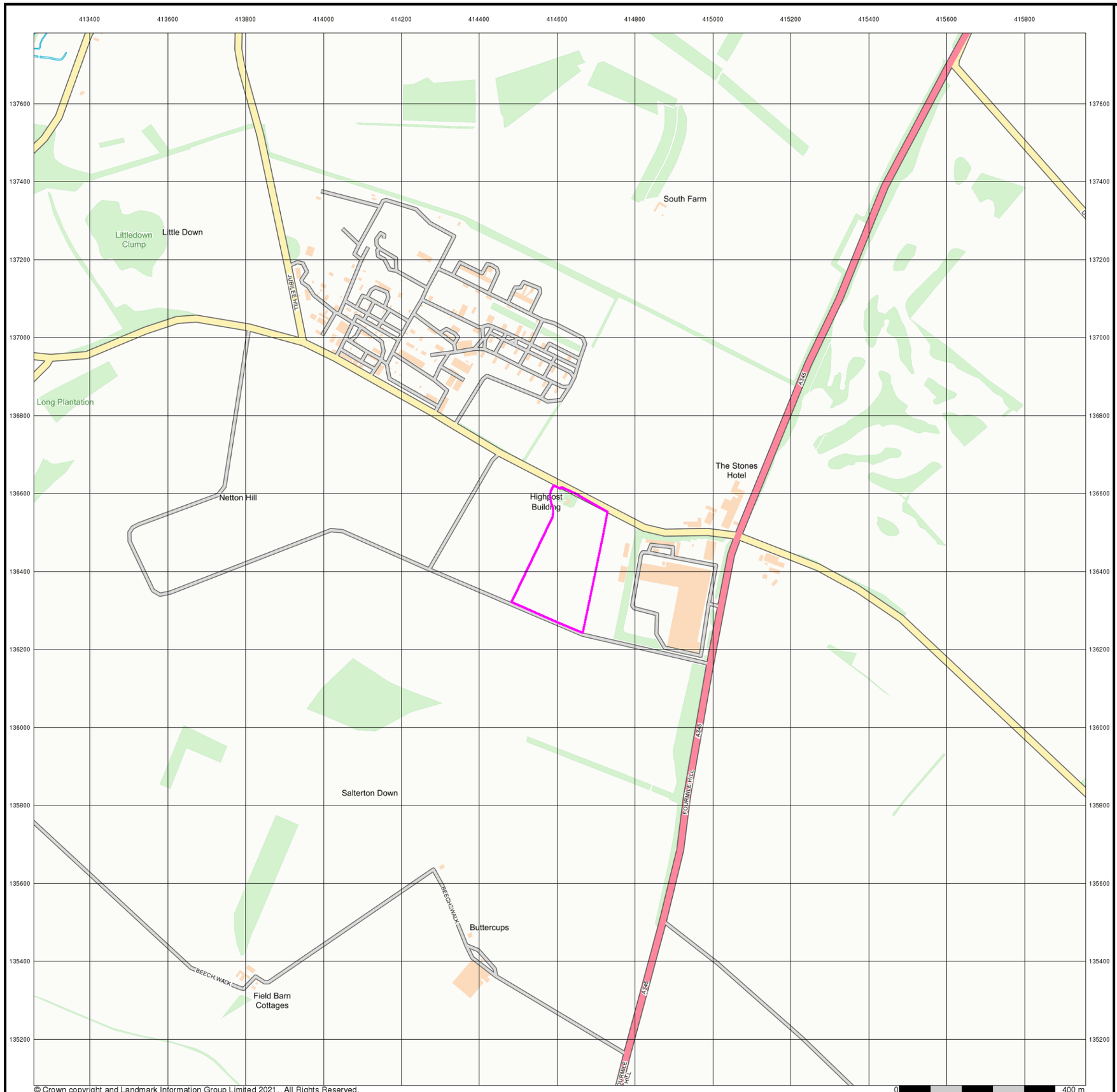


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Street View

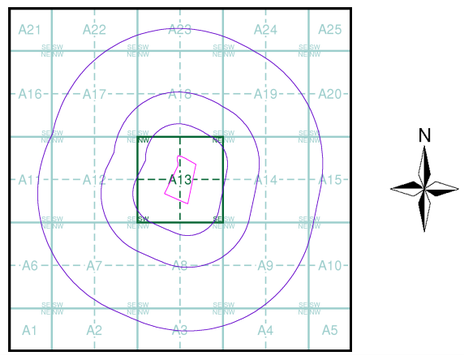
Published 2021

Source map scale - 1:10,000

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

Map Name(s) and Date(s)

Street View Map - Slice A



Order Details

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APPENDIX B

Landmark Geology Report

Geology 1:10,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	MGR	Made Ground (Undivided)	Artificial Deposit	Holocene - Holocene
	WGR	Worked Ground (Undivided)	Void	Holocene - Holocene

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Sand and Gravel	Flandrian - Pleistocene
	HEAD	Head	Clay, Silt, Sand and Gravel	Quaternary - Ryazanian
	HEAD1	Head, 1	Clay, Silt, Sand and Gravel	Quaternary - Ryazanian
	HEAD1	Head, 1	Gravel	Quaternary - Ryazanian

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	STRK	Stockbridge Rock Member	Limestone	Santonian - Santonian
	NCK	Newhaven Chalk Formation	Chalk	Campanian - Santonian
	SECK	Seaford Chalk Formation	Chalk	Santonian - Coniacian

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Geology 1:10,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:10,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around a site. This mapping may be more up to date than previously published paper maps.

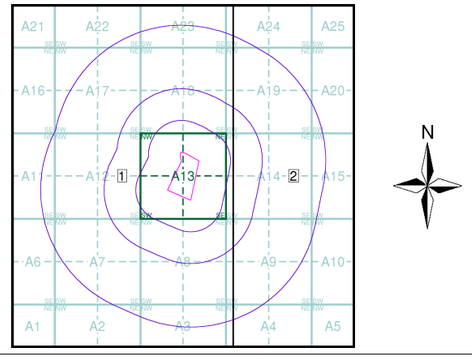
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page.

Please Note: Not all of the layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:10,000 Maps Coverage

Map ID:	2	**Map ID:**	1
Map Name:	SU13NE	**Map Name:**	SU13NW
Map Date:	2007	**Map Date:**	2007
Bedrock Geology:	Available	**Bedrock Geology:**	Available
Superficial Geology:	Available	**Superficial Geology:**	Available
Artificial Geology:	Available	**Artificial Geology:**	Available
Faults:	Available	**Faults:**	Available
Landslip:	Not Available	**Landslip:**	Not Available
Rock Segments:	Not Available	**Rock Segments:**	Not Available

Geology 1:10,000 Maps - Slice A

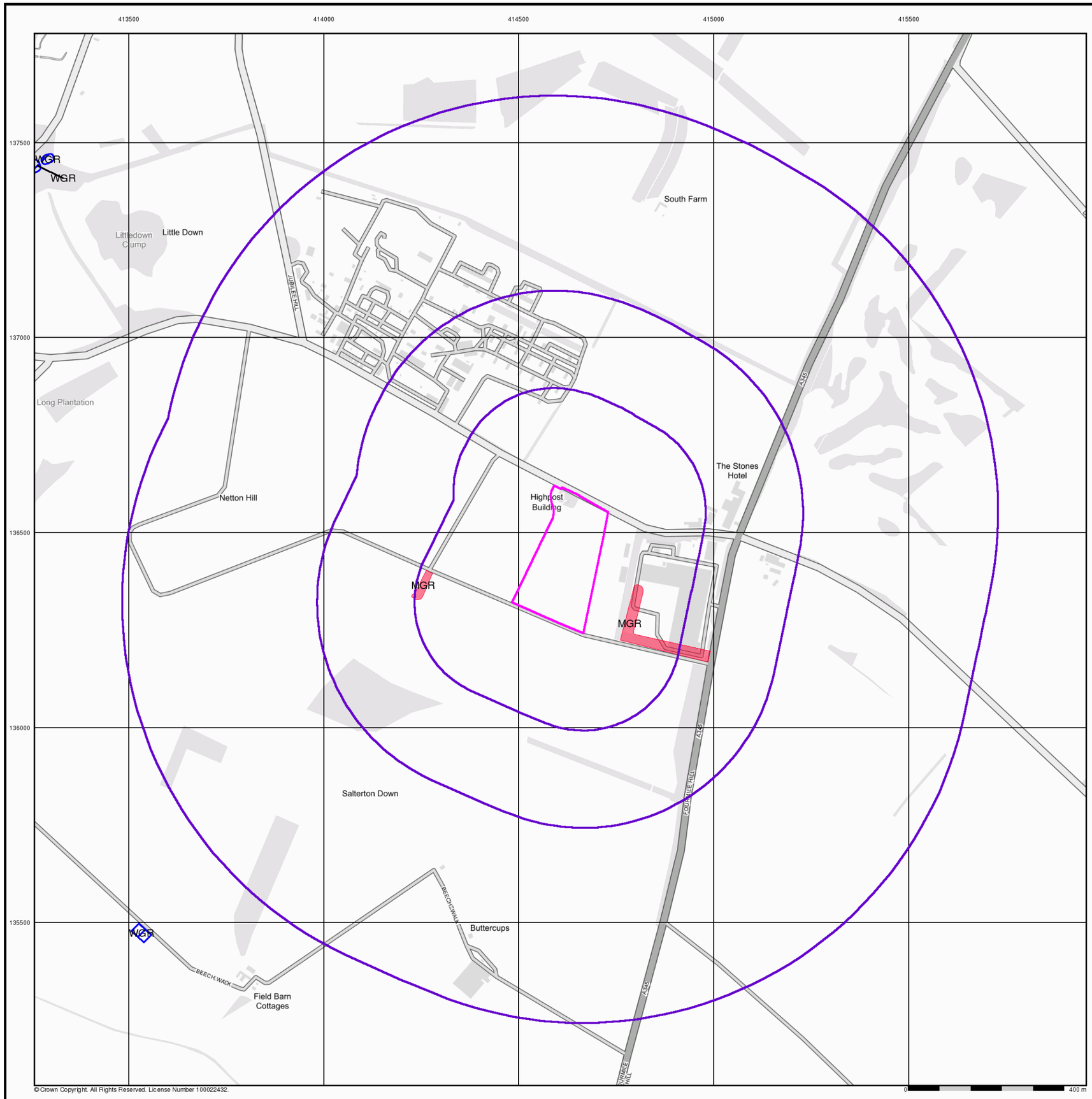


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National Grid Reference:	414620, 136430
Slice:	A
Site Area (Ha):	5.21
Search Buffer (m):	1000

Site Details

High Post Business Park, SALISBURY, SP4 6AT



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Artificial Ground and Landslip

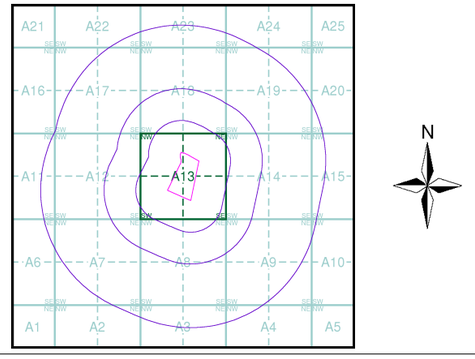
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

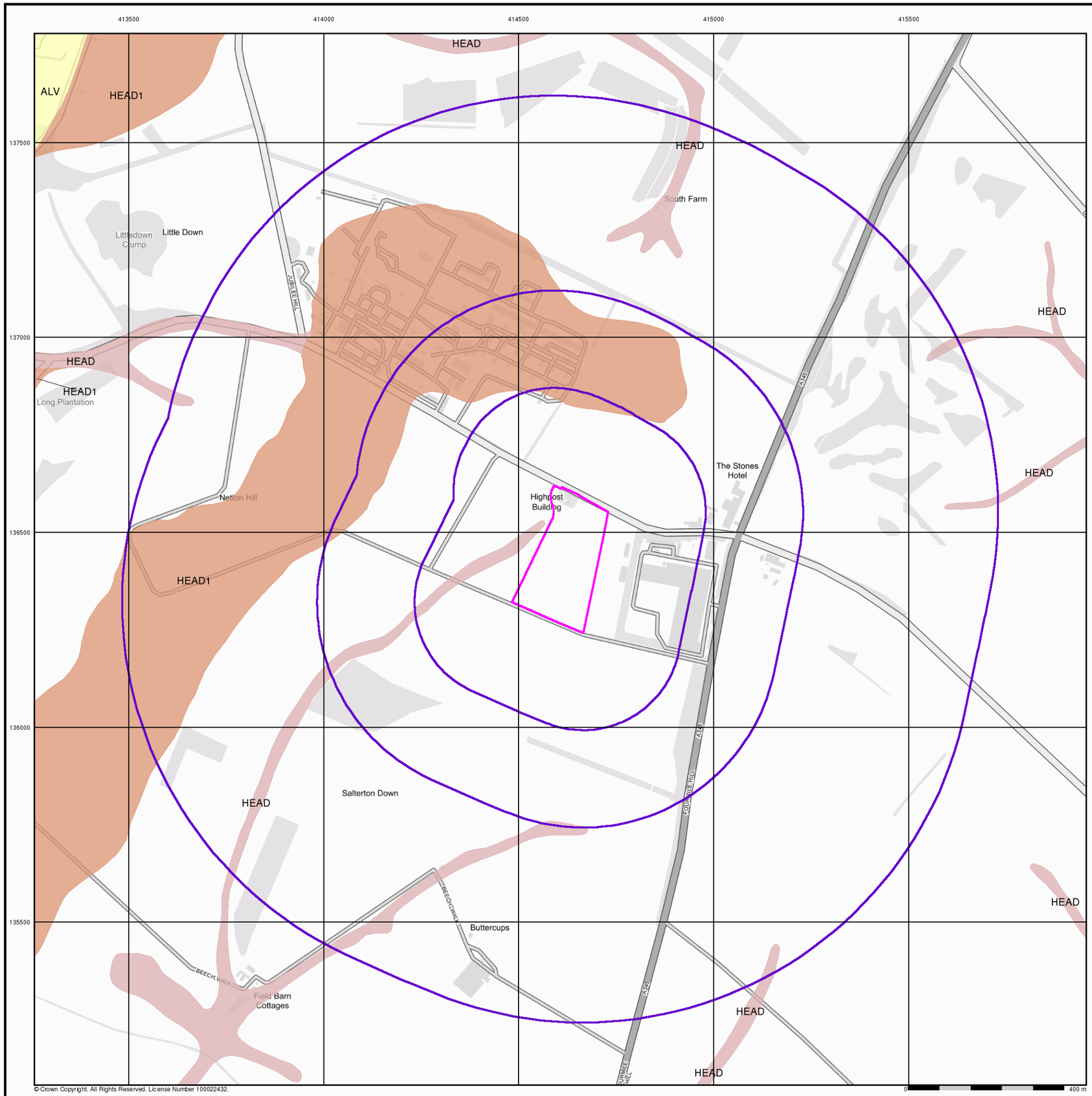


Order Details

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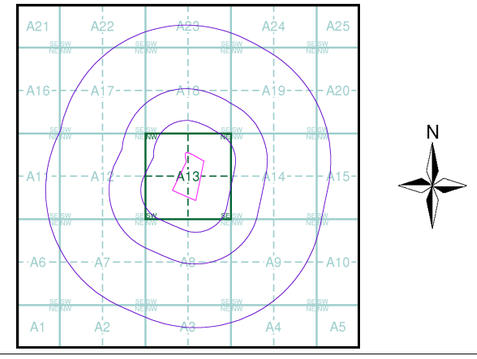
Superficial Geology

BGS 1:10,000 Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, 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

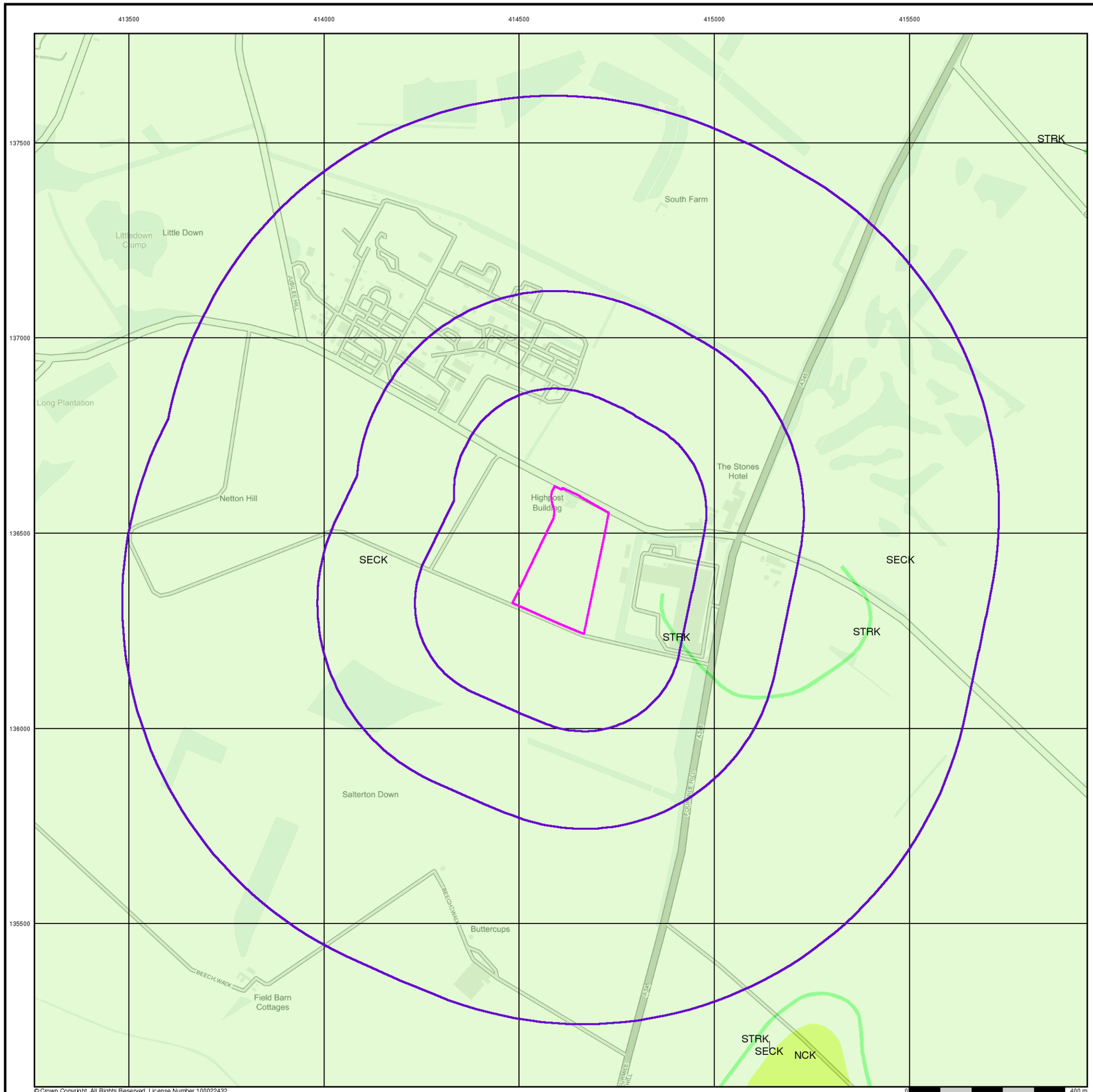


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Bedrock and Faults

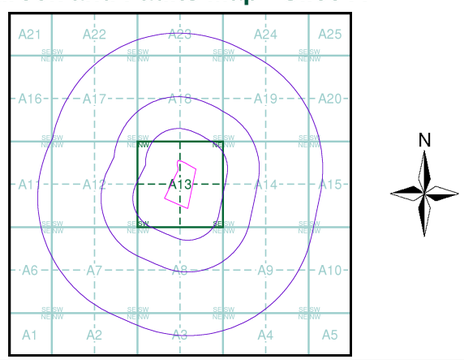
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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 and thin beds mapped as lines such as coal seams and mineral veins. These are not restricted by age and could relate to features of any of the 1:10,000 geology datasets.

Bedrock and Faults Map - Slice A

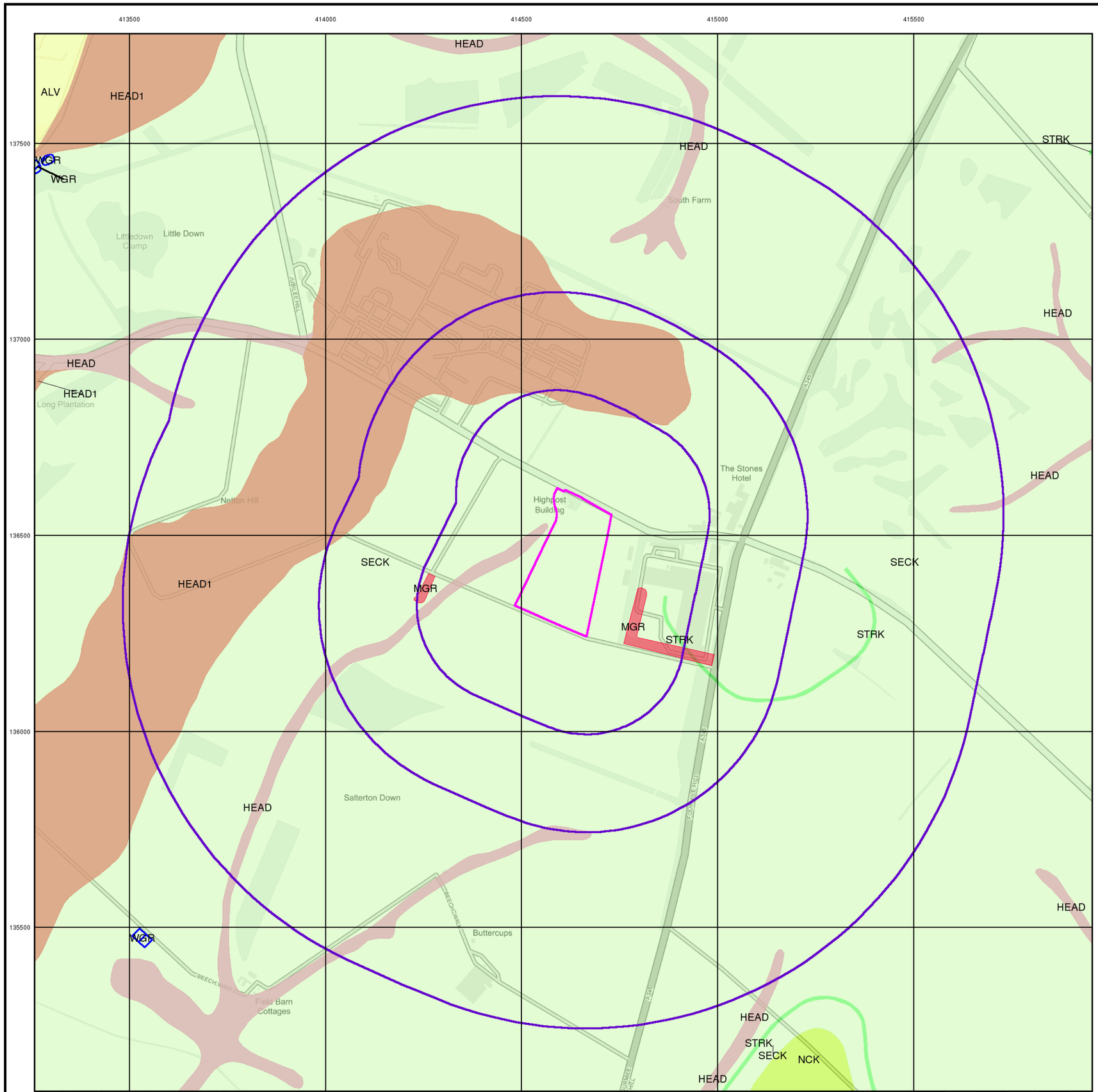


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Site Details

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Combined Surface Geology

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

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

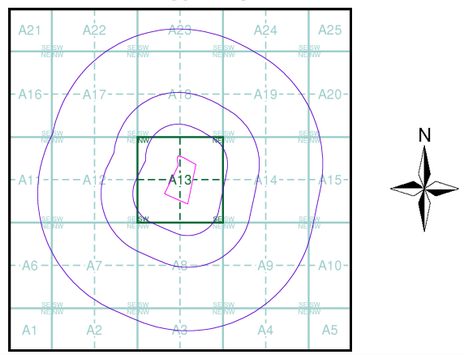
Additional Information

More information on 1:10,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

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

Combined Geology Map - Slice A



Order Details

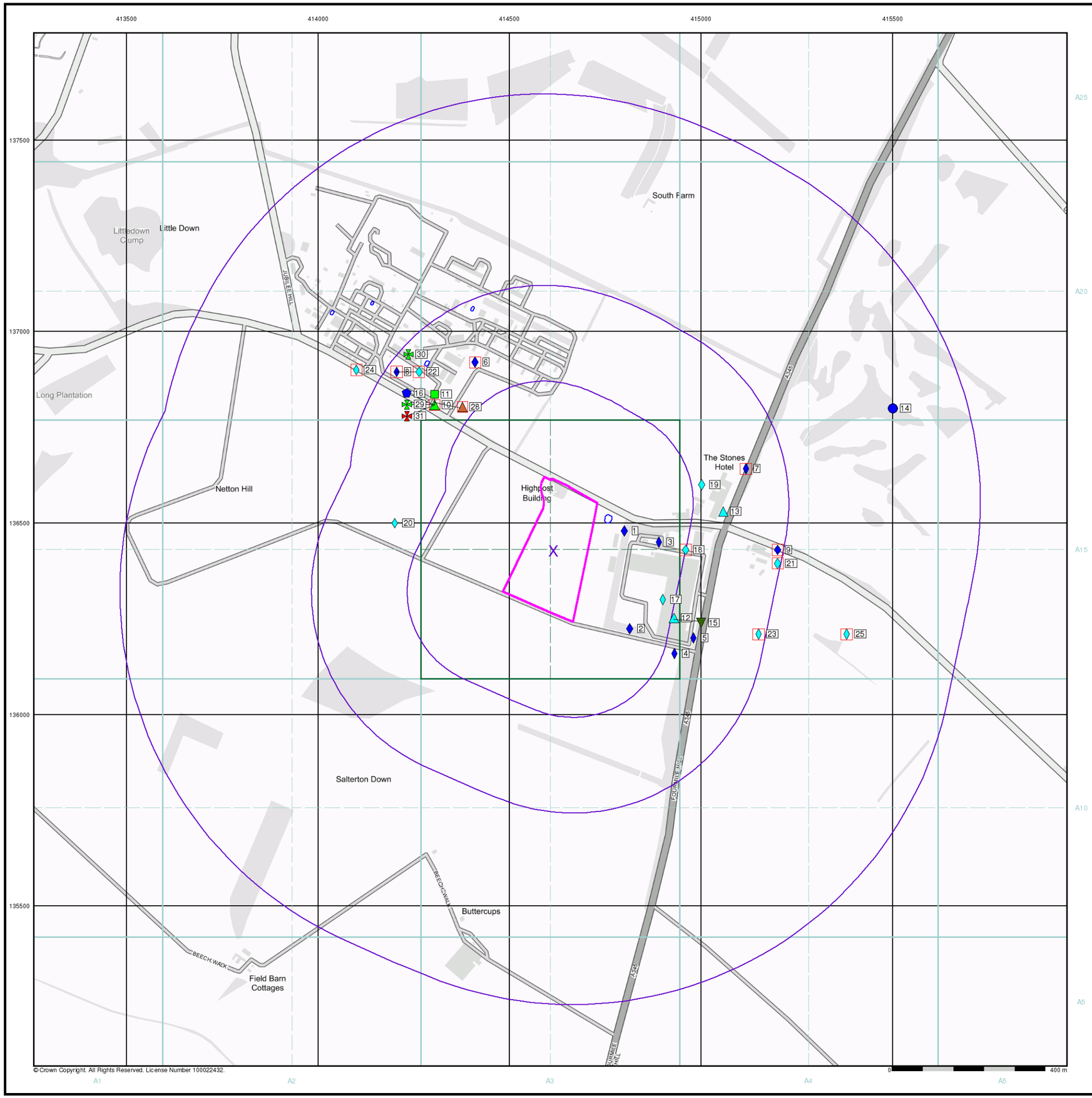
Order Number:	285764538_1_1
Customer Ref:	P1562
National Grid Reference:	414620, 136430
Slice:	A
Site Area (Ha):	5.21
Search Buffer (m):	1000

Site Details

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APPENDIX C

Landmark Envirocheck Report



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General

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

Agency and Hydrological

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

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

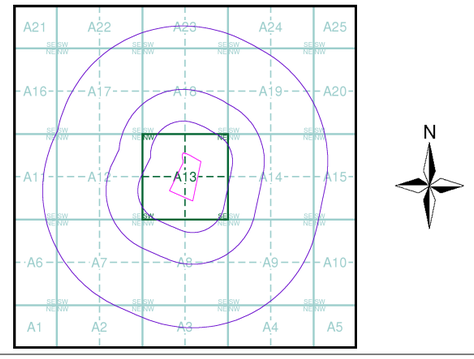
Waste

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

Hazardous Substances

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

Site Sensitivity Map - Slice A



Order Details

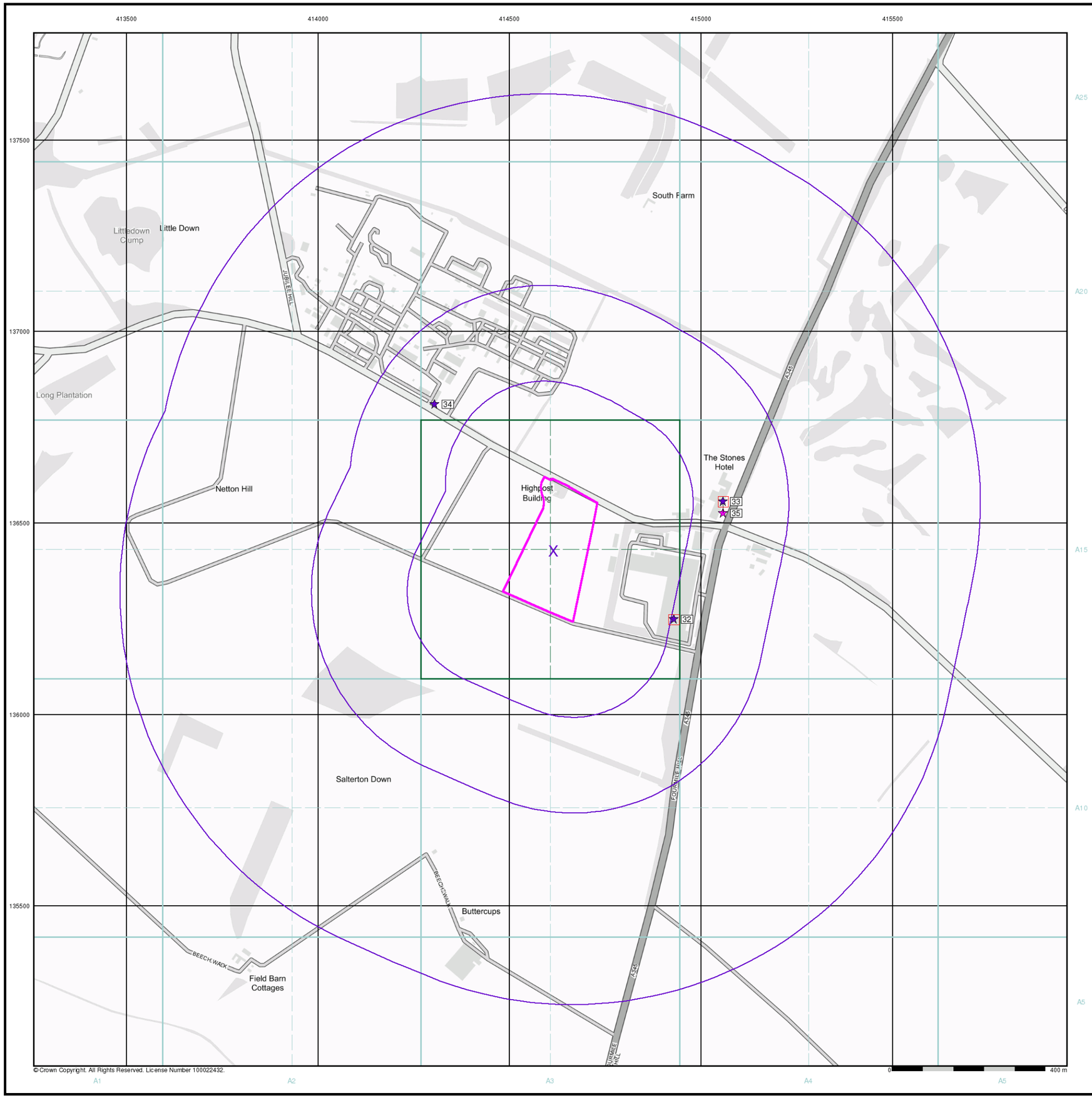
Order Number:	285764538_1_1
Customer Ref:	P1562
National Grid Reference:	414620, 136430
Slice:	A
Site Area (Ha):	5.21
Search Buffer (m):	1000

Site Details

High Post Business Park, SALISBURY, SP4 6AT

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Industrial Land Use Map

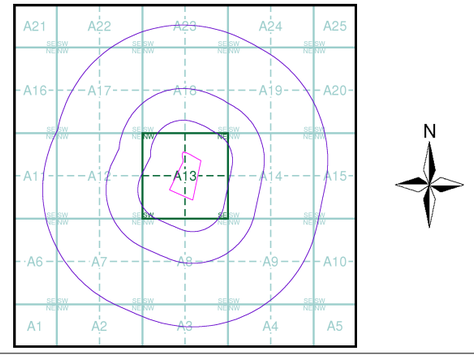
General

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

Industrial Land Use

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

Industrial Land Use Map - Slice A



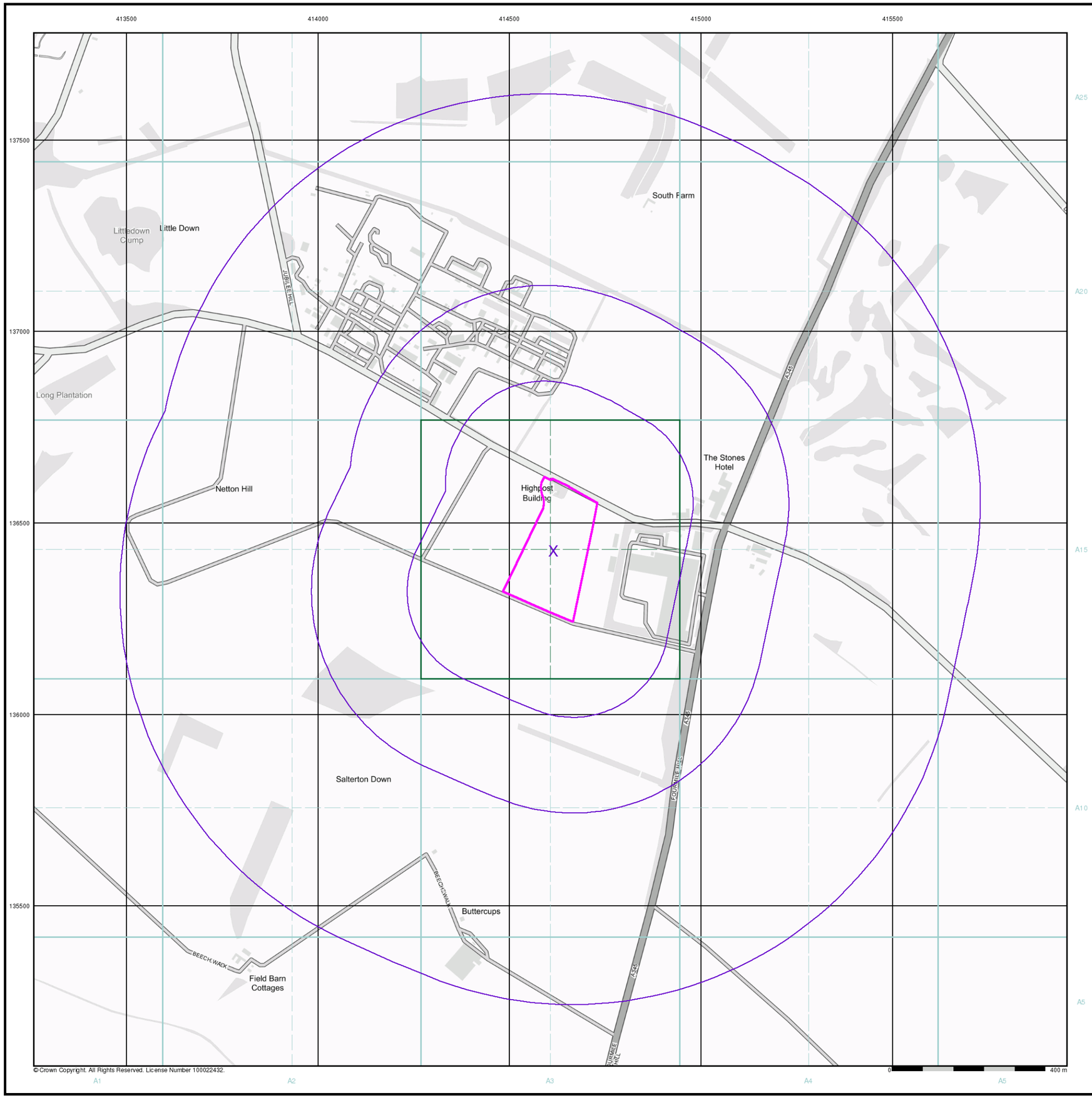
Order Details

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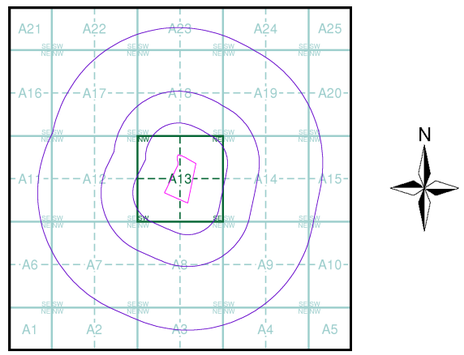
General

- Specified Site
- Specified Buffer(s)
- X 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



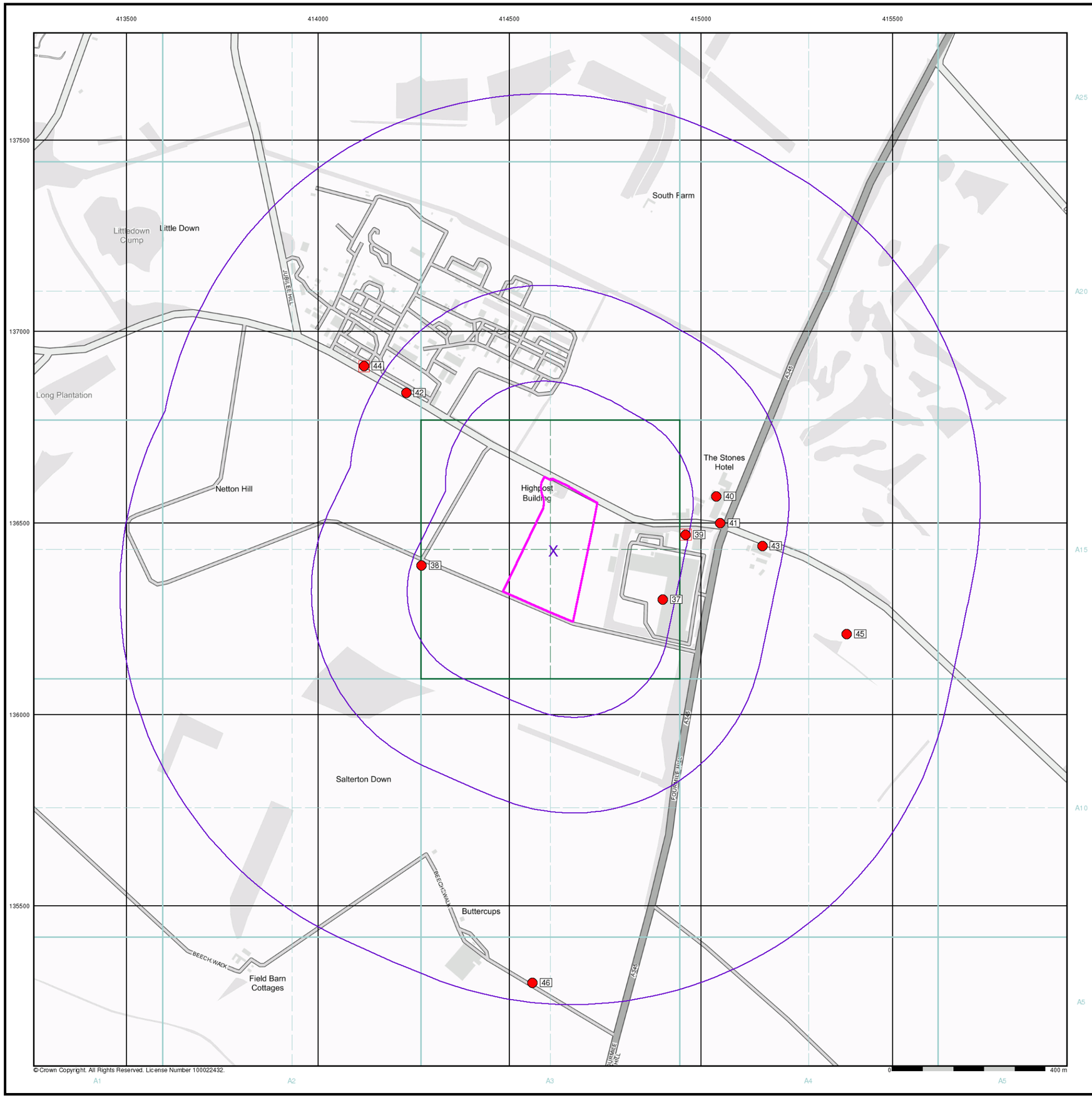
Order Details

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General

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

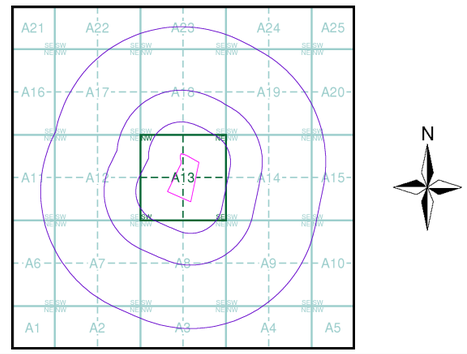
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A

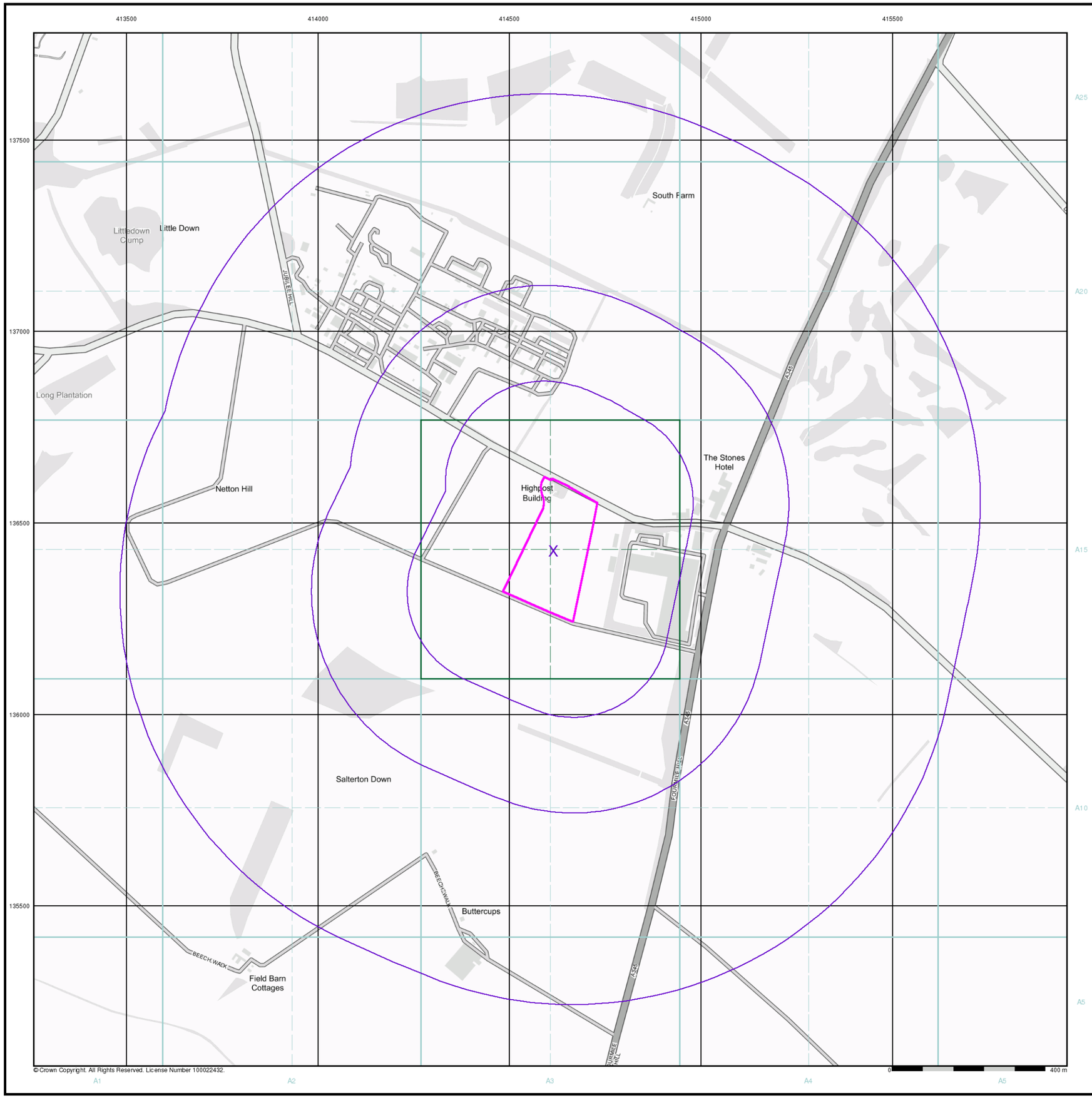


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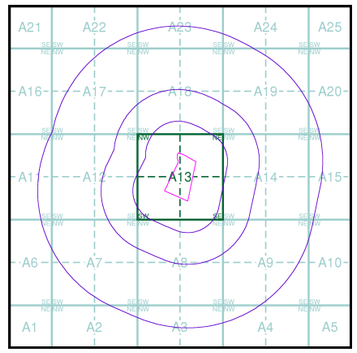
General

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

OS Water Network Data

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

OS Water Network Map - Slice A



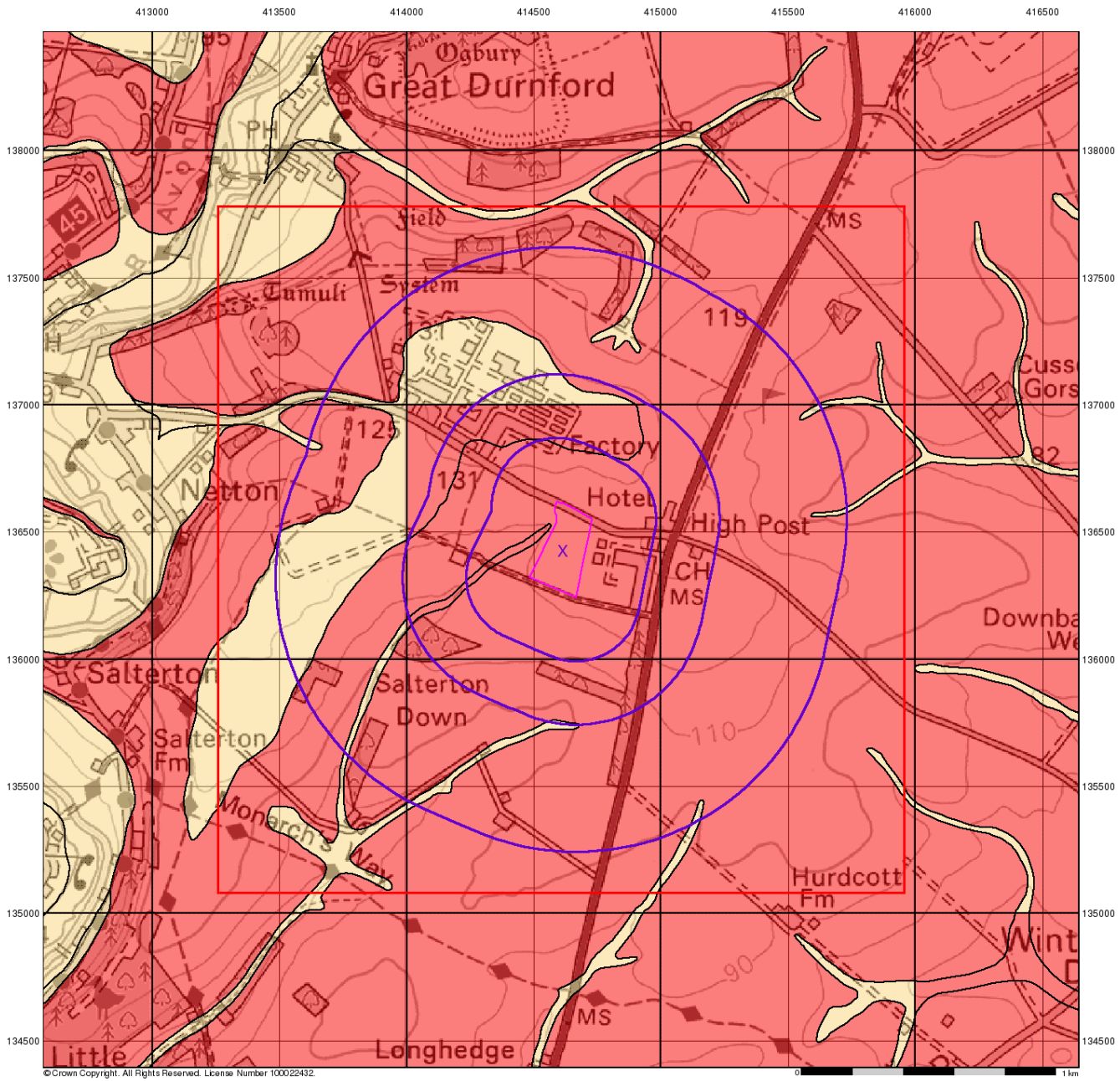
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Groundwater Vulnerability

General

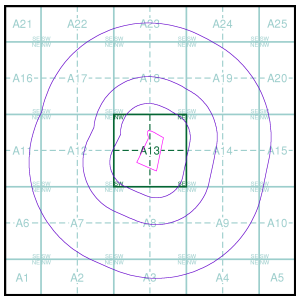
Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Agency and Hydrological

Bedrock Aquifers	Superficial Aquifers
High Vulnerability, Principal Aquifer	High Vulnerability, Principal Aquifer
High Vulnerability, Secondary Aquifer	High Vulnerability, Secondary Aquifer
Medium Vulnerability, Principal Aquifer	Medium Vulnerability, Principal Aquifer
Medium Vulnerability, Secondary Aquifer	Medium Vulnerability, Secondary Aquifer
Low Vulnerability, Principal Aquifer	Low Vulnerability, Principal Aquifer
Low Vulnerability, Secondary Aquifer	Low Vulnerability, Secondary Aquifer

Unproductive Aquifer
Soluble Rock

Site Sensitivity Context Map - Slice A

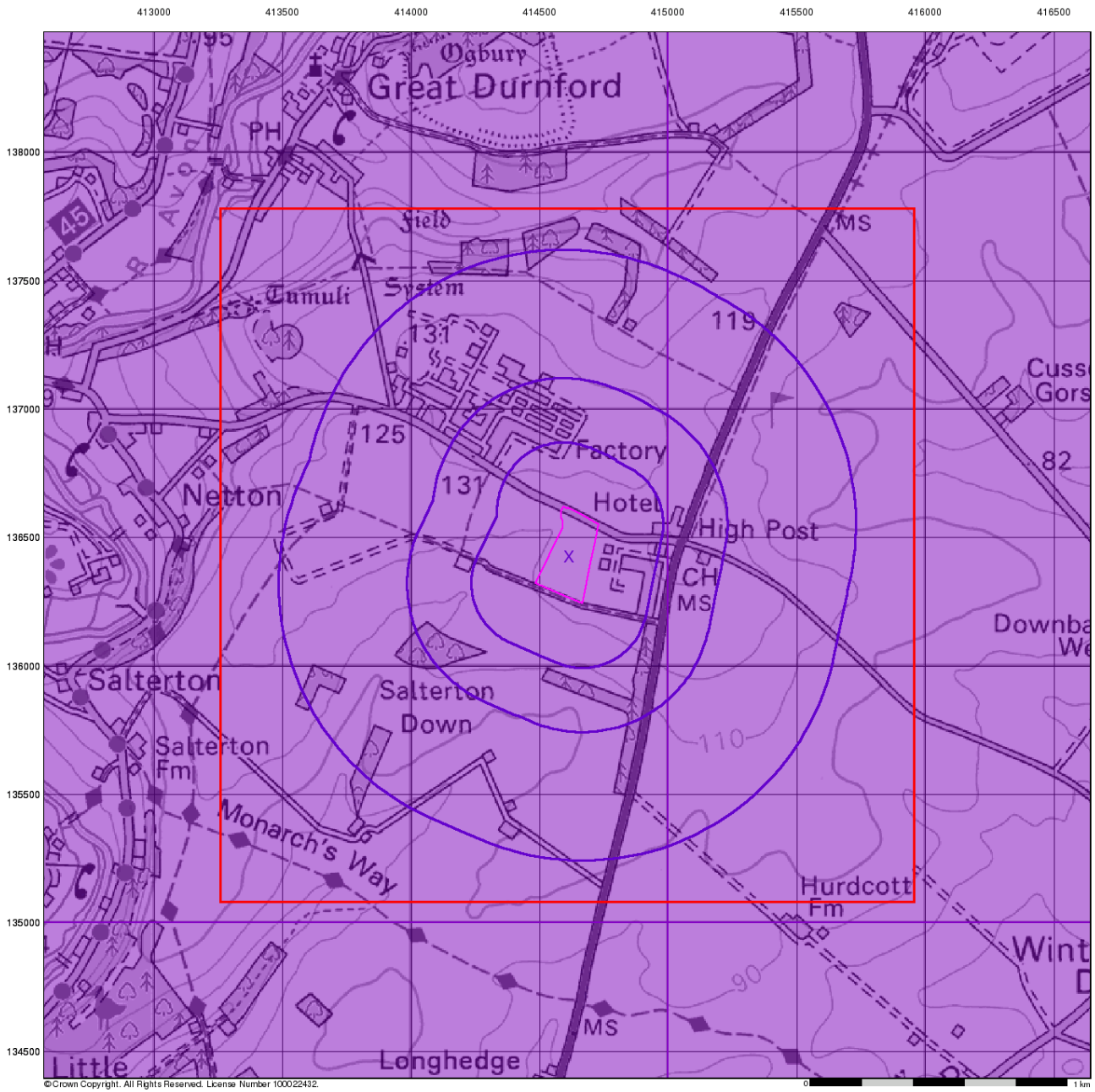


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Bedrock Aquifer Designation

General

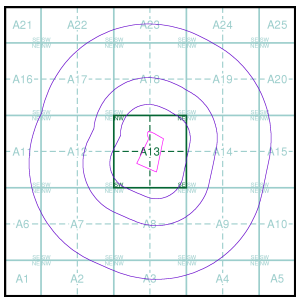
Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A

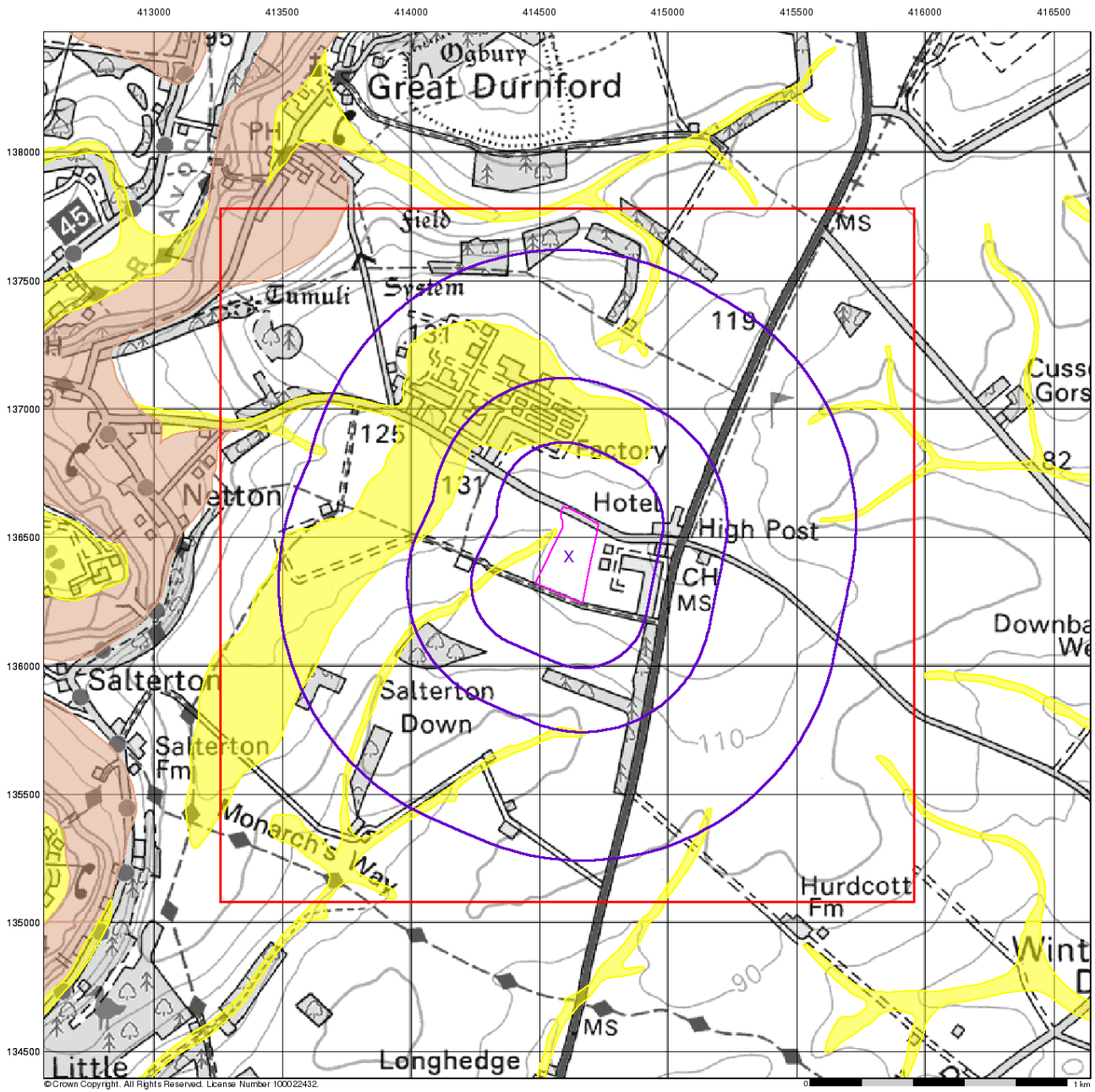


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Superficial Aquifer Designation

General

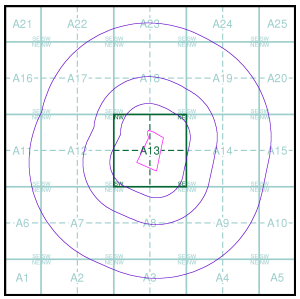
Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A

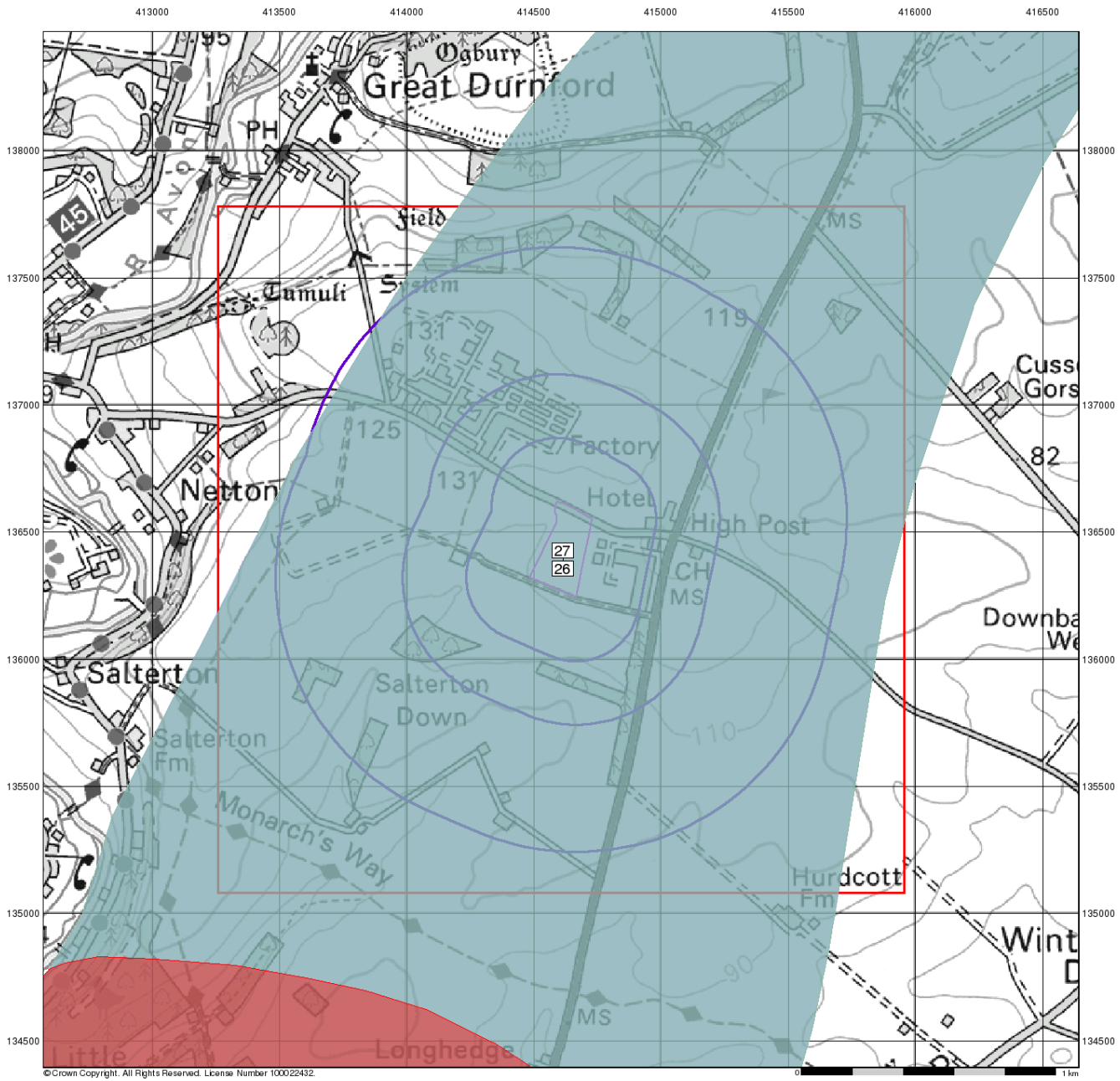


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Source Protection Zones

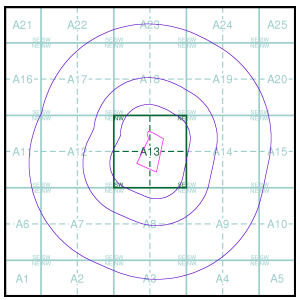
General

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

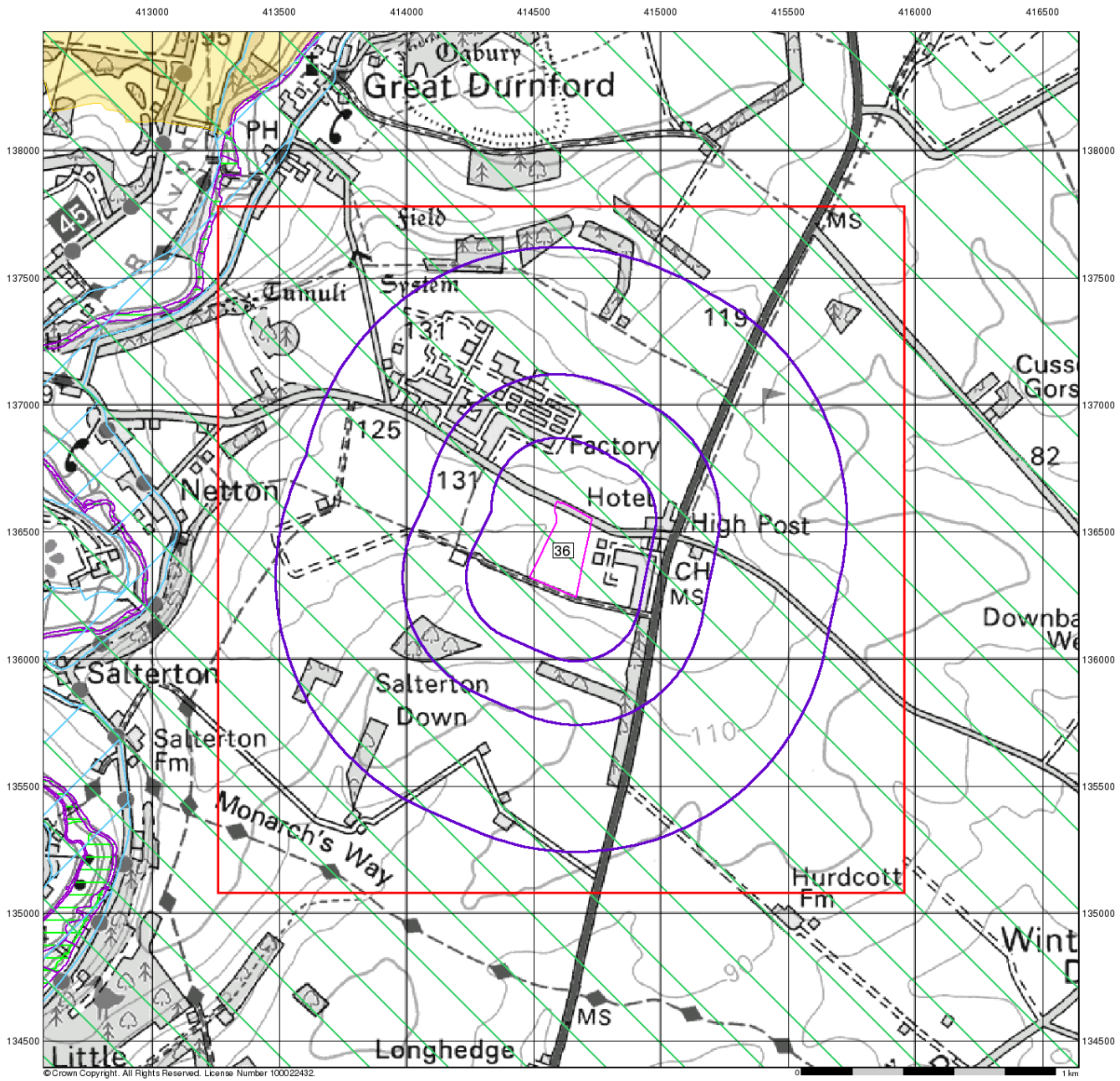


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Sensitive Land Uses

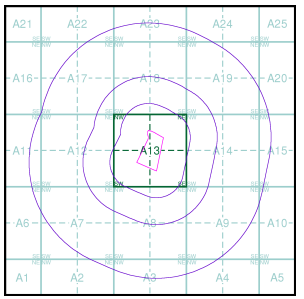
General

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

Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

Site Sensitivity Context Map - Slice A

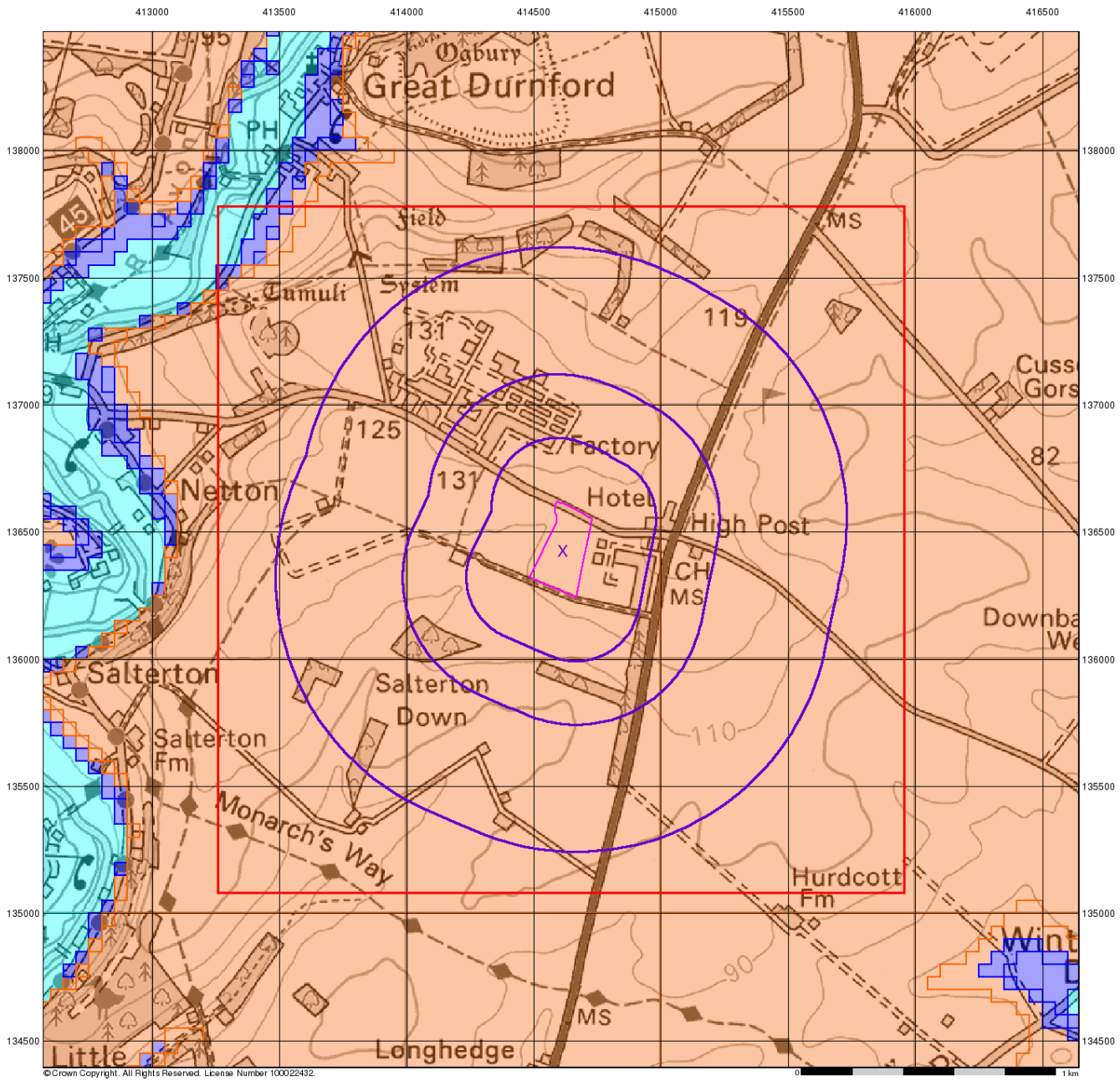


Order Details

Order Number:	285764538_1_1
Customer Ref:	P1562
National Grid Reference:	414620, 136430
Slice:	A
Site Area (Ha):	5.21
Search Buffer (m):	1000

Site Details

High Post Business Park, SALISBURY, SP4 6AT



Ground Investigation

www.ground-investigation.com
Unit 3, Westfield Court, Barns Ground, Kenn, Clevedon, BS21 6FQ
☎ 01275 876903

BGS Flood GFS Data

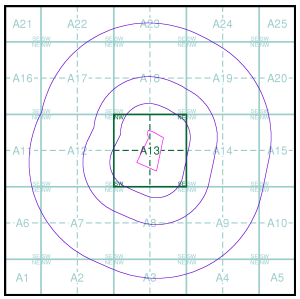
General

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:	285764538_1_1
Customer Ref:	P1562
National Grid Reference:	414620, 136430
Slice:	A
Site Area (Ha):	5.21
Search Buffer (m):	1000

Site Details

High Post Business Park, SALISBURY, SP4 6AT

Ground Investigation
www.ground-investigation.com
Unit 3, Westfield Court, Barns Ground, Kenn, Clevedon, BS21 6FQ
☎ 01275 876903

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
285764538_1_1

Customer Reference:
P1562

National Grid Reference:
414620, 136430

Slice:
A

Site Area (Ha):
5.21

Search Buffer (m):
1000

Site Details:

High Post Business Park
SALISBURY
SP4 6AT

Client Details:

Mr T Gillbanks
Ground Investigation Ltd
Unit 3
Westfield Court
Barns Ground
Kenn
Clevedon
BS21 6FQ

Ground Investigation
www.ground-investigation.com
Unit 3, Westfield Court, Barns Ground, Kenn, Clevedon, BS21 6FQ
☎ 01275 876903

Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	13
Hazardous Substances	14
Geological	15
Industrial Land Use	17
Sensitive Land Use	18
Data Currency	19
Data Suppliers	23
Useful Contacts	24

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

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes		Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		3	10	
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls	pg 4			2	
Integrated Pollution Prevention And Control	pg 4			1	
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 4			2	
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 5		Yes		
Pollution Incidents to Controlled Waters	pg 5				1
Prosecutions Relating to Authorised Processes	pg 5			1	
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 5			1	
Water Abstractions	pg 5		3	9	6 (*7)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 11	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 11	1	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 11	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones	pg 12	2			
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					

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites	pg 13			2	
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 13	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)	pg 14			2	
Explosive Sites	pg 14			1	
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 15	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 15	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 15	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 15		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 15	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 15		Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 15		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 15		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

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 17		1	8	
Fuel Station Entries	pg 17			1	
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 18	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (NW)	0	1	414616 136428
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	271	1	415000 136428
1	**Discharge Consents** Operator: Mahle Filter Systems Uk Ltd Property Type: REAL ESTATE ACTIVITIES/BUYING/SELLING/RENTING Location: Tennex Europe Limited, High Post, Salisbury, Wiltshire, Sp4 6at Authority: Environment Agency, South West Region Catchment Area: Avon - Above Salisbury Reference: 401817 Permit Version: 1 Effective Date: 2nd December 2004 Issued Date: 2nd December 2004 Revocation Date: 1st January 2013 Discharge Type: Trade Discharges - Site Drainage (Contam Surface Water, Not Waste Site) Discharge Environment: Land/Soakaway Receiving Water: Ground-2class1 Intercept.S/A **Status: Surrendered under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A13NE (E)	84	2	414800 136480
2	**Discharge Consents** Operator: M7 Real Estate Llp Property Type: OFFICES ADMIN + SUPPORT Location: Highpost Business Park, Highpost, Salisbury, Wiltshire, Sp4 6at Authority: Environment Agency, South West Region Catchment Area: Not Supplied Reference: Eprpp3722xe Permit Version: 1 Effective Date: 15th May 2012 Issued Date: 15th May 2012 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Groundwater **Status: New issued under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	148	2	414813 136225
3	**Discharge Consents** Operator: Mahle Filter Systems Uk Ltd Property Type: REAL ESTATE ACTIVITIES/BUYING/SELLING/RENTING Location: Tennex Europe Limited, High Post, Salisbury, Wiltshire, Sp4 6at Authority: Environment Agency, South West Region Catchment Area: Avon - Above Salisbury Reference: 401817 Permit Version: 1 Effective Date: 2nd December 2004 Issued Date: 2nd December 2004 Revocation Date: 1st January 2013 Discharge Type: Trade Discharges - Site Drainage (Contam Surface Water, Not Waste Site) Discharge Environment: Land/Soakaway Receiving Water: Ground-2class1 Intercept.S/A **Status: Surrendered under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A13NE (E)	178	2	414890 136450
4	**Discharge Consents** Operator: Mahle Filter Systems Limited Property Type: REAL ESTATE ACTIVITIES/BUYING/SELLING/RENTING Location: Tennex Europe Limited, High Post, Salisbury, Wiltshire, Sp4 6at Authority: Environment Agency, South West Region Catchment Area: Avon - Above Salisbury Reference: 400803 Permit Version: 1 Effective Date: 21st September 1999 Issued Date: 24th September 1999 Revocation Date: 26th July 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Soakaway **Status: Surrendered under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	277	2	414930 136160

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	**Discharge Consents** Operator: Tennex Europe Ltd Property Type: REAL ESTATE ACTIVITIES/BUYING/SELLING/RENTING Location: Tennex Europe Limited, High Post, Salisbury, Wiltshire, Sp4 6at Authority: Environment Agency, South West Region Catchment Area: Avon - Above Salisbury Reference: 041458 Permit Version: 1 Effective Date: 1st February 1990 Issued Date: Not Supplied Revocation Date: 21st September 1999 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Discharge To Soakaway **Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 100m	A14SW (SE)	317	2	414980 136200
6	**Discharge Consents** Operator: Chemring Countermeasures Limited Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Dwelling At Chemring Countermeasure, High Post, Salisbury, Wiltshire, Sp4 6as Authority: Environment Agency, South West Region Catchment Area: Avon - Above Salisbury Reference: 400593 Permit Version: 2 Effective Date: 17th December 2012 Issued Date: 17th December 2012 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Soakaway **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A18SW (NW)	351	2	414410 136920
6	**Discharge Consents** Operator: Chemring Countermeasures Limited Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Dwelling At Chemring Countermeasure, High Post, Salisbury, Wiltshire, Sp4 6as Authority: Environment Agency, South West Region Catchment Area: Avon - Above Salisbury Reference: 400593 Permit Version: 1 Effective Date: 27th August 1998 Issued Date: 14th December 1998 Revocation Date: 16th December 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Soakaway **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	351	2	414410 136920
7	**Discharge Consents** Operator: The Stones Hotel Property Type: HOLIDAY ACCOM/CAMP SITE/CARAVAN SITE/HOTEL/HOSTEL Location: The Stones Hotel, High Post, Salisbury, Wiltshire, Sp4 6at Authority: Environment Agency, South West Region Catchment Area: Not Supplied Reference: Eprbb3797er Permit Version: 1 Effective Date: 13th March 2015 Issued Date: 13th March 2015 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Groundwater **Status: New issued under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	385	2	415103 136645

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Discharge Consents** Operator: The Stones Hotel Property Type: HOLIDAY ACCOM/CAMP SITE/CARAVAN SITE/HOTEL/HOSTEL Location: The Stones Hotel, High Post, Salisbury, Wiltshire, Sp4 6at Authority: Environment Agency, South West Region Catchment Area: Not Supplied Reference: Eprbb3797er Permit Version: 1 Effective Date: 13th March 2015 Issued Date: 13th March 2015 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Groundwater **Status: New issued under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	398	2	415117 136642
8	**Discharge Consents** Operator: Chemring Countermeasures Limited Property Type: MAKING OF FABRICATED METAL PRODUCTS/CUTLERY/TOOLS Location: Chemring Countermeasures Limited, High Post, Salisbury, Wiltshire, Sp4 6as Authority: Environment Agency, South West Region Catchment Area: Avon - Above Salisbury Reference: 050624 Permit Version: 1 Effective Date: 26th January 1979 Issued Date: 21st August 1985 Revocation Date: 16th December 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Soakaway **Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961** Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	475	2	414205 136895
8	**Discharge Consents** Operator: Chemring Countermeasures Limited Property Type: MAKING OF FABRICATED METAL PRODUCTS/CUTLERY/TOOLS Location: Chemring Countermeasures Limited, High Post, Salisbury, Wiltshire, Sp4 6as Authority: Environment Agency, South West Region Catchment Area: Avon - Above Salisbury Reference: 050624 Permit Version: 2 Effective Date: 17th December 2012 Issued Date: 17th December 2012 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Soakaway **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	482	2	414200 136900
9	**Discharge Consents** Operator: High Post Golf Club Ltd Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: High Post Golf Club And Two Domestic Properties, Great Durnford, Salisbury, Wiltshire, Sp4 6at Authority: Environment Agency, South West Region Catchment Area: Avon - Above Salisbury Reference: 402481 Permit Version: 2 Effective Date: 8th November 2011 Issued Date: 8th November 2011 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Groundwater Via Soakaway **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A14SW (E)	486	2	415200 136430

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	**Discharge Consents** Operator: High Post Golf Club Ltd Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: High Post Golf Club And Two Domestic Properties, Great Durnford, Salisbury, Wiltshire, Sp4 6at Authority: Environment Agency, South West Region Catchment Area: Avon - Above Salisbury Reference: 402481 Permit Version: 1 Effective Date: 11th September 2007 Issued Date: 11th September 2007 Revocation Date: 7th November 2011 Discharge Type: Sewage And Trade Combined - Unspecified Discharge Environment: Land/Soakaway Receiving Water: Groundwater Via Soakaway **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A14SW (E)	486	2	415200 136430
10	**Integrated Pollution Controls** Name: Pains Wessex Ltd Location: High Post, SALISBURY, Wiltshire, SP4 6AS Authority: Environment Agency, South West Region Permit Reference: AJ4057 Dated: 25th April 1994 Process Type: IPC new application Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	338	2	414309 136805
10	**Integrated Pollution Controls** Name: Pains Wessex Ltd Location: High Post, SALISBURY, Wiltshire, SP4 6AS Authority: Environment Agency, South West Region Permit Reference: AP8705 Dated: 1st May 1995 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Application has been authorised and any conditions apply to the operator** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	342	2	414304 136805
11	**Integrated Pollution Prevention And Control** Name: Chemring Countermeasures Limited Location: High Post, SALISBURY, SP4 6AS Authority: Environment Agency, South West Region Permit Reference: Pp3333lj Original Permit Ref: Pp3333lj Effective Date: 16th January 2006 **Status: Effective** Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 3.3 A(1) (A) Activity Description: Glass And Glass Fibre; Glass Fibre Manufacture Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N	A18SW (NW)	345	2	414304 136810
12	**Local Authority Pollution Prevention and Controls** Name: Mahle Filter Systems Uk Location: High Post, Durnford, SALISBURY, Wiltshire, SP4 6AT Authority: Wiltshire Council, Environmental Health Department Permit Reference: WCS/EP19 Dated: 1st April 1997 Process Type: Local Authority Air Pollution Control Description: PG6/29 Di-isocyanate processes **Status: Authorised** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	257	3	414929 136248
13	**Local Authority Pollution Prevention and Controls** Name: High Post Filling Station Location: Amesbury Road, SALISBURY, Wiltshire, SP4 6AT Authority: Wiltshire Council, Environmental Health Department Permit Reference: WCS/202 Dated: 23rd September 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorised** Positional Accuracy: Automatically positioned to the address	A14NW (E)	330	3	415058 136527

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Nearest Surface Water Feature	A13NE (NE)	28	-	414750 136503
14	**Pollution Incidents to Controlled Waters** Property Type: Industrial: Other Location: Alders Warehouse, Nursling Industrial Estate Authority: Environment Agency, Southern Region Pollutant: Miscellaneous - Fire water / Foam Note: 3 Pump Fire; Industrial: Other Incident Date: 15th September 1995 Incident Reference: 2072 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Sewage - Other Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	810	2	415500 136800
15	**Prosecutions Relating to Authorised Processes** Location: Premises, SALISBURY, . Prosecution Text: Failure To Register Under The Packaging Regualtions. Prosecution Act: Pro97 Hearing Date: 15th March 2001 Verdict: Guilty Fine: 3850 Costs: 0 Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	256	2	414928 136248
16	**Substantiated Pollution Incident Register** Authority: Environment Agency - South West Region, Wessex Area Incident Date: 10th August 2018 Incident Reference: 1643018 Water Impact: Category 4 - No Impact Air Impact: Category 1 - Major Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants and Effects: Smoke	A18SW (NW)	344	2	414304 136809
17	**Water Abstractions** Operator: Mahle Tennex Filter Systems Ltd Licence Number: 13/43/021/G/244 Permit Version: 100 Location: Borehole At Tennex Europe Ltd Point #1 Authority: Environment Agency, South West Region Abstraction: Commercial/Industrial/Public Services: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Tennex Europe Ltd, As Outlined In Red On License Map Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 26th June 1997 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	218	2	414900 136300
18	**Water Abstractions** Operator: Mahle Tennex Filter Systems Ltd Licence Number: 13/43/021/G/256 Permit Version: 100 Location: High Post Borehole Point A Authority: Environment Agency, South West Region Abstraction: Other Industrial/Commercial/Public Services: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Tennex Europe Ltd, High Post Outlined Red On Licence Map Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 12th July 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SW (E)	250	2	414960 136430

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	**Water Abstractions** Operator: Mahle Tennex Filter Systems Ltd Licence Number: 13/43/021/G/256 Permit Version: 100 Location: High Post Borehole Point A Authority: Environment Agency, South West Region Abstraction: Other Industrial/Commercial/Public Services: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Tennex Europe Ltd, High Post Outlined Red On Licence Map Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 12th July 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SW (E)	250	2	414960 136430
19	**Water Abstractions** Operator: Mr & Mrs V Sgueglia Licence Number: 13/43/024/G/016 Permit Version: 100 Location: Well At High Post Hotel, Durnford #1 Authority: Environment Agency, South West Region Abstraction: Hotels; Public Houses And Conference Centres: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: On The Premises At High Post Hotel, Durnford Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 24th February 1987 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14NW (NE)	276	2	415001 136601
20	**Water Abstractions** Operator: Mr T W Baird Licence Number: 13/43/021/G/230 Permit Version: 100 Location: Coffee Barn Farm Borehole Point 1 Authority: Environment Agency, South West Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Lands At Coffee Farm Outlined Red On Licence Map Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 3rd May 1983 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A12NE (W)	333	2	414200 136500
21	**Water Abstractions** Operator: High Post Golf Club Ltd Licence Number: Sw/043/0024/004 Permit Version: 1 Location: High Post Golf Club Borehole B Authority: Environment Agency, South West Region Abstraction: Golf Courses: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: High Post Golf Club, Great Durnford Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st April 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SW (E)	474	2	415187 136425

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	**Water Abstractions** Operator: High Post Golf Club Ltd Licence Number: 13/43/021/G/205 Permit Version: 100 Location: High Post Golf Club Borehole #1 Authority: Environment Agency, South West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Golf Course At Great Durnford Outlined Red On Licence Map Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 10th December 1991 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14SW (E)	492	2	415200 136395
22	**Water Abstractions** Operator: Pains Wessex Ltd Licence Number: 13/43/021/G/232 Permit Version: 100 Location: High Post, Durnford Borehole #1 Authority: Environment Agency, South West Region Abstraction: Other Industrial/Commercial/Public Services: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Industrial Area To The South Of Great Durnford Outlined Red On Licence Plan #4 Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 4th April 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	479	2	414200 136895
22	**Water Abstractions** Operator: Chemring Countermeasures Limited Licence Number: 13/43/021/G/232 Permit Version: 101 Location: High Post, Durnford Borehole #1 Authority: Environment Agency, South West Region Abstraction: Other Industrial/Commercial/Public Services: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Industrial Area To The South Of Great Durnford Outlined Red On Licence Plan #4 Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 7th November 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	482	2	414200 136900
23	**Water Abstractions** Operator: High Post Golf Club Ltd Licence Number: 13/43/024/G/116 Permit Version: 103 Location: High Post Golf Club Borehole #1 Authority: Environment Agency, South West Region Abstraction: Golf Courses: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At High Post Golf Club Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SW (E)	481	2	415150 136210

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	**Water Abstractions** Operator: High Post Golf Club Ltd Licence Number: 13/43/024/G/117 Permit Version: 101 Location: High Post Golf Club Borehole #1 Authority: Environment Agency, South West Region Abstraction: Golf Courses: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At High Post Golf Course Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 26th July 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SW (E)	481	2	415150 136210
23	**Water Abstractions** Operator: G & M H Aymes Licence Number: 13/43/021/G/241 Permit Version: 100 Location: High Post Golf Club Borehole #1 Authority: Environment Agency, South West Region Abstraction: Retail: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At High Post, Durnford Outlined Red On Licence Map Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 8th February 1989 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SW (E)	481	2	415150 136210
24	**Water Abstractions** Operator: Chemring Countermeasures Limited Licence Number: 13/43/021/G/232 Permit Version: 101 Location: High Post, Durnford Borehole #2 Authority: Environment Agency, South West Region Abstraction: Other Industrial/Commercial/Public Services: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Industrial Area To The South Of Great Durnford Outlined Red On Licence Plan #4 Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 7th November 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	566	2	414100 136900
24	**Water Abstractions** Operator: Pains Wessex Ltd Licence Number: 13/43/021/G/232 Permit Version: 100 Location: High Post, Durnford Borehole #2 Authority: Environment Agency, South West Region Abstraction: Other Industrial/Commercial/Public Services: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Industrial Area To The South Of Great Durnford Outlined Red On Licence Plan #4 Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 4th April 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	566	2	414100 136900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	**Water Abstractions** Operator: High Post Golf Club Ltd Licence Number: Sw/043/0024/004 Permit Version: 1 Location: High Post Golf Club Borehole A Authority: Environment Agency, South West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At High Post Golf Club, Great Durnford Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st April 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SE (E)	699	2	415371 136202
25	**Water Abstractions** Operator: High Post Golf Club Ltd Licence Number: 13/43/024/G/116 Permit Version: 103 Location: High Post Golf Club Borehole #2 Authority: Environment Agency, South West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At High Post Golf Club Authorised Start: 04 April Authorised End: 31 October Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SE (E)	706	2	415380 136210
25	**Water Abstractions** Operator: High Post Golf Club Ltd Licence Number: 13/43/024/G/116 Permit Version: 102 Location: High Post Golf Club Borehole #2 Authority: Environment Agency, South West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At High Post Golf Club Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 25th July 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SE (E)	706	2	415380 136210
25	**Water Abstractions** Operator: High Post Golf Club Ltd Licence Number: 13/43/024/G/116 Permit Version: 101 Location: High Post Golf Club Borehole #2 Authority: Environment Agency, South West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At High Post Golf Club Shown On The Licence Map Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 26th July 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SE (E)	706	2	415380 136210

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mr G C Langdon Licence Number: 13/43/021/G/207 Permit Version: 100 Location: Salterton Farm, Durnford Borehole Authority: Environment Agency, South West Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Lands At Durnford Outlined Red On Licence Map Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 29th October 1973 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3NW (S)	1011	2	414300 135300
	Water Abstractions Operator: Sir S A C Rasch Bt Licence Number: 13/43/021/G/028 Permit Version: 100 Location: Upper Woodford Borehole #1 Authority: Environment Agency, South West Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Durnford Outlined Red On Licence Map Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st May 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11NW (W)	1494	2	413000 136500
	Water Abstractions Operator: Mr G C Langdon Licence Number: 13/43/021/G/226 Permit Version: 100 Location: Salterton Farm Borehole #1 Authority: Environment Agency, South West Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Lands At Salerton Farm, Middle Woodford, Salisbury Outlined Red On Licence Map Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A6NW (W)	1574	2	413000 135795
	Water Abstractions Operator: Lord Chichester Licence Number: 13/43/024/G/035 Permit Version: 100 Location: Hurdcott Field Barn Well #1 Authority: Environment Agency, South West Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Lands At Winterbourne Outlined Red On Licence Map Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 29th September 1976 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A4SE (SE)	1581	2	415500 134900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Great Durnford Estate Licence Number: 13/43/021/G/069 Permit Version: 102 Location: Great Durnford Well Point 1 Authority: Environment Agency, South West Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Lands At Great Durnford Outlined Red On Licence Map Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 22nd May 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1817	2	413900 138300
	Water Abstractions Operator: Wilsford & Durnford Estates Ltd Licence Number: 13/43/021/G/069 Permit Version: 101 Location: Great Durnford Well Point 1 Authority: Environment Agency, South West Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Lands At Great Durnford Outlined Red On Licence Map Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st March 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1817	2	413900 138300
	Water Abstractions Operator: Lord Tryon Licence Number: 13/43/021/G/069 Permit Version: 100 Location: Great Durnford Well Point 1 Authority: Environment Agency, South West Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Lands At Great Durnford Outlined Red On Licence Map Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 29th September 1991 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1817	2	413900 138300
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	A13SE (NW)	0	4	414616 136428
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	A13SE (NW)	0	4	414616 136428
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13SE (NW)	0	4	414616 136428
	Superficial Aquifer Designations No Data Available				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A13SE (NW)	0	2	414616 136428
27	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	A13SE (NW)	0	2	414616 136428
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
	OS Water Network Lines None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	**Integrated Pollution Control Registered Waste Sites** Name: Pains Wessex Ltd Location: High Post, SALISBURY, Wiltshire, SP4 6AS Authority: Environment Agency, South West Region Permit Reference: AP8772 Dated: 1st May 1995 Process Type: IPC minor (non-substantial) variation to previous variation Description: 5.1 A (A) Incineration within the Waste Disposal Industry **Status: Application has been authorised and any conditions apply to the operator** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	347	2	414304 136815
28	**Integrated Pollution Control Registered Waste Sites** Name: Pains Wessex Ltd Location: High Post, SALISBURY, Wiltshire, SP4 6AS Authority: Environment Agency, South West Region Permit Reference: AI1663 Dated: 25th April 1994 Process Type: IPC new application Description: 5.1 A (A) Incineration within the Waste Disposal Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	351	2	414299 136815
	Local Authority Landfill Coverage Name: Wiltshire County Council - Has supplied landfill data		0	6	414616 136428
	Local Authority Landfill Coverage Name: Salisbury District Council - Landfill data has been supplied by another authority		0	5	414616 136428

Hazardous Substances

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	**Control of Major Accident Hazards Sites (COMAH)** Name: Pains Wessex Ltd Location: High Post, Salisbury, SP4 6AS Reference: 1032851 Type: Upper Tier **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	345	7	414304 136810
30	**Control of Major Accident Hazards Sites (COMAH)** Name: Chemring Countermeasures Limited Location: Salisbury, High Post, Salisbury, Wiltshire, SP4 6AS Reference: Not Supplied Type: Upper Tier **Status: Active** Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	479	7	414236 136941
31	**Explosive Sites** Name: Salisbury/Chemring Countermeasures Ltd Location: HIGH POST, Middle Woodford, SALISBURY, Wiltshire, SP4 6AS **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	344	7	414304 136809

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: White Chalk Subgroup	A13SE (NW)	0	1	414616 136428
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	414616 136428
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	414616 136428
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	414616 136428
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	97	1	414796 136363
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	414616 136428
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	12	1	414547 136497
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A18SE (N)	209	1	414664 136819
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	414616 136428
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	12	1	414547 136497
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	97	1	414796 136363
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A18SE (N)	209	1	414664 136819
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	414616 136428
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	12	1	414547 136497
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	97	1	414796 136363
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	414616 136428
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	12	1	414547 136497
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A18SE (N)	209	1	414664 136819
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	414616 136428

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	414616 136428

Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	**Contemporary Trade Directory Entries** Name: Global Art Supplies Location: Unit 2, High Post Business Park, High Post, Salisbury, SP4 6AT Classification: Distribution Services **Status: Active** Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	237	-	414913 136268
32	**Contemporary Trade Directory Entries** Name: Mahle Filter Systems (Uk) Ltd Location: High Post, Salisbury, SP4 6AT Classification: Car Component Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	257	-	414929 136248
33	**Contemporary Trade Directory Entries** Name: Apsley Precision Engineering Ltd Location: High Post, Salisbury, SP4 6AT Classification: Precision Engineers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	318	-	415047 136541
33	**Contemporary Trade Directory Entries** Name: Murco Service Station Location: High Post, Salisbury, Wiltshire, SP4 6AT Classification: Petrol Filling Stations **Status: Active** Positional Accuracy: Manually positioned to the address or location	A14NW (E)	326	-	415054 136524
33	**Contemporary Trade Directory Entries** Name: Scrap Yard In Salisbury Location: High Post, Salisbury, Wiltshire, SP4 6AT Classification: Car Breakers & Dismantlers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A14NW (E)	330	-	415058 136527
33	**Contemporary Trade Directory Entries** Name: Fast Cash 4 Scrap Cars Salisbury Aeg Location: High Post, Salisbury, Wiltshire, SP4 6AT Classification: Car Breakers & Dismantlers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A14NW (E)	330	-	415058 136527
33	**Contemporary Trade Directory Entries** Name: Car Scraping Scrap Yards In Salisbury Location: High Post, Salisbury, Wiltshire, sp4 6at Classification: Car Breakers & Dismantlers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A14NW (E)	330	-	415058 136527
33	**Contemporary Trade Directory Entries** Name: The Highpost Filling Station Location: High Post, Salisbury, SP4 6AT Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	330	-	415058 136527
34	**Contemporary Trade Directory Entries** Name: Chemring Counter Measures Ltd Location: High Post, Salisbury, SP4 6AS Classification: Marine Equipment & Supplies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	345	-	414304 136810
35	**Fuel Station Entries** Name: High Post Filling Station Location: Amesbury Road Netton Road, High Post , Salisbury, Wiltshire, SP4 6AT Brand: Murco Premises Type: Petrol Station **Status: Open** Positional Accuracy: Automatically positioned to the address	A14NW (E)	329	-	415057 136526

Sensitive Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	**Nitrate Vulnerable Zones** Name: South Wessex Description: Groundwater Source: Environment Agency, Head Office	A13SE (NW)	0	4	414616 136428

Data Currency

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Salisbury District Council (now part of Wiltshire Council) - Environmental Health Department	December 2008	Not Applicable
Environment Agency - Head Office	June 2020	Annually
Wiltshire Council - Environmental Health Department	October 2017	Annually
Discharge Consents		
Environment Agency - South West Region	July 2021	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - South West Region	March 2013	
Integrated Pollution Controls		
Environment Agency - South West Region	January 2009	
Integrated Pollution Prevention And Control		
Environment Agency - South West Region	July 2021	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Salisbury District Council (now part of Wiltshire Council) - Environmental Health Department	January 2009	Not Applicable
Wiltshire Council - Environmental Health Department	July 2015	Variable
Local Authority Pollution Prevention and Controls		
Salisbury District Council (now part of Wiltshire Council) - Environmental Health Department	January 2009	Not Applicable
Wiltshire Council - Environmental Health Department	July 2015	Annually
Local Authority Pollution Prevention and Control Enforcements		
Salisbury District Council (now part of Wiltshire Council) - Environmental Health Department	January 2009	Not Applicable
Wiltshire Council - Environmental Health Department	July 2015	Variable
Nearest Surface Water Feature		
Ordnance Survey	March 2021	
Pollution Incidents to Controlled Waters		
Environment Agency - Southern Region	December 1999	
Environment Agency - South West Region	September 1999	
Prosecutions Relating to Authorised Processes		
Environment Agency - South West Region	July 2015	
Prosecutions Relating to Controlled Waters		
Environment Agency - South West Region	March 2013	
Registered Radioactive Substances		
Environment Agency - South West Region	June 2016	Annually
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	April 2012	Annually
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	April 2012	Annually
Substantiated Pollution Incident Register		
Environment Agency - South West Region - South Wessex Area	July 2021	Quarterly
Environment Agency - South West Region - Wessex Area	July 2021	Quarterly
Water Abstractions		
Environment Agency - South West Region	July 2021	Quarterly
Water Industry Act Referrals		
Environment Agency - South West Region	October 2017	Quarterly
Groundwater Vulnerability Map		
Environment Agency - Head Office	June 2018	As notified
Groundwater Vulnerability - Soluble Rock Risk		
Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations		
Environment Agency - Head Office	January 2018	Annually

Data Currency

Agency & Hydrological	Version	Update Cycle
Superficial Aquifer Designations		
Environment Agency - Head Office	January 2018	Annually
Source Protection Zones		
Environment Agency - Head Office	May 2021	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	August 2021	Quarterly
Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	March 2021	Quarterly
Areas Benefiting from Flood Defences		
Environment Agency - Head Office	March 2021	Quarterly
Flood Water Storage Areas		
Environment Agency - Head Office	March 2021	Quarterly
Flood Defences		
Environment Agency - Head Office	March 2021	Quarterly
OS Water Network Lines		
Ordnance Survey	July 2021	Quarterly
BGS Groundwater Flooding Susceptibility		
British Geological Survey - National Geoscience Information Service	May 2013	Annually
Waste	**Version**	**Update Cycle**
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	November 2002	Not Applicable
Historical Landfill Sites		
Environment Agency - Head Office	May 2021	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - South West Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - South West Region - South Wessex Area	July 2021	Quarterly
Environment Agency - South West Region - Wessex Area	July 2021	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - South West Region - South Wessex Area	July 2021	Quarterly
Environment Agency - South West Region - Wessex Area	July 2021	Quarterly
Local Authority Landfill Coverage		
Salisbury District Council (now part of Wiltshire Council) - Environmental Health Department	February 2003	Not Applicable
Wiltshire County Council (now part of Wiltshire Council)	February 2003	Not Applicable
Local Authority Recorded Landfill Sites		
Salisbury District Council (now part of Wiltshire Council) - Environmental Health Department	October 2018	
Wiltshire County Council (now part of Wiltshire Council)	October 2018	
Registered Landfill Sites		
Environment Agency - South West Region - South Wessex Area	March 2006	Not Applicable
Environment Agency - South West Region - Wessex Area	March 2006	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - South West Region - South Wessex Area	April 2018	
Environment Agency - South West Region - Wessex Area	April 2018	
Registered Waste Treatment or Disposal Sites		
Environment Agency - South West Region - South Wessex Area	June 2015	
Environment Agency - South West Region - Wessex Area	June 2015	

Data Currency

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites		
Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements		
Wiltshire County Council (now part of Wiltshire Council)	December 2008	Annual Rolling Update
Wiltshire Council - Planning Department	February 2016	Variable
Salisbury District Council (now part of Wiltshire Council)	July 2009	Not Applicable
Planning Hazardous Substance Consents		
Wiltshire County Council (now part of Wiltshire Council)	December 2008	Annual Rolling Update
Wiltshire Council - Planning Department	February 2016	Variable
Salisbury District Council (now part of Wiltshire Council)	July 2009	Not Applicable
Geological	**Version**	**Update Cycle**
BGS 1:625,000 Solid Geology		
British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	May 2021	Bi-Annually
CBSCB Compensation District		
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	As notified
Coal Mining Affected Areas		
The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability		
Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain		
British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	April 2020	Annually
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas		
British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures		
British Geological Survey - National Geoscience Information Service	July 2011	Annually

Data Currency

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

Data Suppliers

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	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	**Wiltshire Council - Environmental Health Department** County Hall, Bythesea Road, Trowbridge, Wiltshire, BA14 8JN	Telephone: 01225 713000 Email: customerservices@wiltshire.gov.uk Website: www.wiltshire.gov.uk
4	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	**Salisbury District Council (now part of Wiltshire Council) - Environmental Health Department** County Hall, Bythsea Road, Trowbridge, Wiltshire, BA14 8JN	Telephone: 0300 456 0100 Website: www.wiltshire.gov.uk
6	**Wiltshire County Council (now part of Wiltshire Council)** County Hall, Bythesea Road, Trowbridge, Wiltshire, BA14 8JN	Telephone: 01225 713000 Email: communications@wiltshire.gov.uk Website: www.wiltshire.gov.uk
7	**Health and Safety Executive** 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
8	**Natural England** County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
9	**Historic England** 1 Waterhouse Square, 138 - 142 Holborn, London, EC1N 2ST	Telephone: 0370 333 0607 Email: customers@historicengland.org.uk Website: www.historicengland.org.uk
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

APPENDIX D

Engineering Records of Window Sampler Boreholes

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Ground Investigation

Continuous Percussion Borehole Record

Hole ID
WS01
Sheet 1 of 1 (0.00m-4.00m)
All dimensions in metres
Scale 1:20

Site: High Post, Salisbury
Client: Nationwide Engineering Group
Job No: P1562

Method/Plant Used: Heavy Duty Archway Competitor
Start date: 07/10/21 **End Date:** 07/10/21 **Logged By:** DJH
Easting: 414,519.00 **Northing:** 136,332.00 **Elevation:** 120.700

SAMPLES & IN-SITU TESTS				STRATA			
Depth	Type / No	Result / Remark	Water	Legend	Depth (thick.)	Description	Backfill & Inst
0.20	ES/1				(0.30) 0.30	Overgown vegetation over soft to firm friable brown slightly gravelly sandy silty clay TOPSOIL. Gravel is angular to subrounded fine to coarse flint. Frequent rootlets. **TOPSOIL**	
					(0.70) 1.00	Stiff brown slightly sandy slightly gravelly silty CLAY. Gravel is angular to subrounded fine to coarse flint and rare chalk. **RESIDUAL SOIL**	
1.00 1.00-1.45	D/1 C	N=25 (3,5:5,6,7,7)			(0.25) 1.25	Structureless CHALK composed of medium dense slightly sandy very silty subangular and subrounded fine to coarse GRAVEL. Clasts are extremely weak and very weak low locally medium density white with rare black specks. Matrix is white mottled brown. (possibly CIRIA Grade Dc) **SEAFORD CHALK FORMATION**	
					(0.40) 1.65	Extremely weak low and medium density white with rare black specks CHALK with rare angular medium gravel sized black rinded off-white flints. (possibly CIRIA Grade C4) **SEAFORD CHALK FORMATION**	
1.80-2.00	D/2				(0.35) 2.00	Very weak medium density white with rare black specks CHALK. (possibly CIRIA Grade C5 to C4) **SEAFORD CHALK FORMATION**	
2.00-2.45		N=50 (7,10:12,15,17,6)					

Boring Progress and Water Observations

Date	Time	Hole Depth	Casing Depth	Water Depth
07/10/21	13:00	2.00	Nil	Dry

Water Strikes

Strike Depth	Flow Rate	Post Strike Depth	Elapsed Minutes	Depth Sealed

Hole Diameter

Depth	Diameter (mm)
1.00	98
2.00	87

Casing Diameter

Depth	Diameter (mm)

General Remarks:

1) All recorded strengths and densities based on in-situ tests, or basic field tests and visual observations of penetration rate where tests have not been completed. Square brackets indicate approximation within made Ground.
2) No direct visual or olfactory evidence of mobile contamination.
3) Groundwater was not encountered.
4) Borehole terminated at 2.00m due to effective 'refusal' within structured chalk.
5) On completion, the borehole was backfilled with arisings.

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Ground Investigation

Continuous Percussion Borehole Record

Hole ID
WS02
Sheet 1 of 1 (0.00m-4.00m)
All dimensions in metres
Scale 1:20

Site: High Post, Salisbury
Client: Nationwide Engineering Group
Job No: P1562

Method/Plant Used: Heavy Duty Archway Competitor
Start date: 07/10/21 **End Date:** 07/10/21 **Logged By:** DJH
Easting: 414,653.00 **Northing:** 136,259.00 **Elevation:** 124.100

SAMPLES & IN-SITU TESTS				Water	STRATA			Backfill & Inst
Depth	Type / No		Result / Remark		Legend	Depth (thick.)	Description	
						(0.20) 0.20	Overgown vegetation over soft to firm friable brown slightly gravelly sandy silty clay TOPSOIL. Gravel is angular to subrounded fine to coarse flint. Frequent rootlets. **TOPSOIL**	
0.50	ES/1					(0.60) 0.80	Stiff brown slightly sandy slightly gravelly silty CLAY. Gravel is angular to subrounded fine to coarse flint and rare chalk. **RESIDUAL SOIL**	
0.80	D/1					(0.20) 1.00	Structureless CHALK composed of medium dense slightly sandy very silty GRAVEL. Clasts are extremely weak low density locally very weak medium density white stained brown. Matrix is off-white mottled brown. (possibly CIRIA Grade Dc) **SEAFORD CHALK FORMATION**	
1.00-1.45	C		N>50 (5,9:12,11,14,13/70mm)					
1.20	D/2					(0.50) 1.50	Very weak medium density white with rare black specks CHALK. (possibly CIRIA Grade C5 to C4) **SEAFORD CHALK FORMATION**	
1.50-1.86	C		N>50 (18,7:15,15,15,5/5mm)					

Boring Progress and Water Observations

Date	Time	Hole Depth	Casing Depth	Water Depth
07/10/21	12:15	1.50	Nil	Dry

Water Strikes

Strike Depth	Flow Rate	Post Strike Depth	Elapsed Minutes	Depth Sealed

Hole Diameter

Depth	Diameter (mm)
1.00	98
1.50	87

Casing Diameter

Depth	Diameter (mm)

General Remarks:

1) All recorded strengths and densities based on in-situ tests, or basic field tests and visual observations of penetration rate where tests have not been completed. Square brackets indicate approximation within made Ground.
2) No direct visual or olfactory evidence of mobile contamination.
3) Groundwater was not encountered.
4) Borehole terminated at 1.50m due to effective 'refusal' within structured chalk.
5) On completion, the borehole was backfilled with arisings.

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Ground Investigation

Continuous Percussion Borehole Record

Hole ID
WS03
Sheet 1 of 1 (0.00m-4.00m)
All dimensions in metres
Scale 1:20

Site: High Post, Salisbury
Client: Nationwide Engineering Group
Job No: P1562

Method/Plant Used: Heavy Duty Archway Competitor
Start date: 07/10/21 **End Date:** 07/10/21 **Logged By:** DJH
Easting: 414,601.00 **Northing:** 136,319.00 **Elevation:** 123.600

SAMPLES & IN-SITU TESTS				STRATA			
Depth	Type / No	Result / Remark	Water	Legend	Depth (thick.)	Description	Backfill & Inst
0.20	ES/1				(0.30) 0.30	Overgown vegetation over soft to firm friable brown slightly gravelly sandy silty clay TOPSOIL. Gravel is angular to subrounded fine to coarse flint. Frequent rootlets. **TOPSOIL**	
0.95	D/1				(0.70) 1.00	Stiff brown slightly sandy slightly gravelly silty CLAY. Gravel is angular to subrounded fine to coarse flint and rare chalk. **RESIDUAL SOIL**	
1.00-1.45	C	N=21 (3,3:4,6,5,6)			(0.20) 1.20	Structureless CHALK composed of medium dense slightly sandy very silty subangular and subrounded fine to coarse GRAVEL. Clasts are extremely weak and very weak low locally medium density white with rare black specks. Matrix is white mottled brown. (possibly CIRIA Grade Dc) **SEAFORD CHALK FORMATION**	
					(0.50) 1.70	Extremely weak low and medium density white with rare black specks CHALK. (possibly CIRIA Grade C4) **SEAFORD CHALK FORMATION**	
1.80-2.00	D/2				(0.30) 2.00	Very weak medium density white with rare black specks CHALK. (possibly CIRIA Grade C5 to C4) **SEAFORD CHALK FORMATION**	
2.00-2.43	C	N>50 (7,10:13,13,14,10/55mm)					

Boring Progress and Water Observations

Date	Time	Hole Depth	Casing Depth	Water Depth
07/10/21	11:30	2.00	Nil	Dry

Water Strikes

Strike Depth	Flow Rate	Post Strike Depth	Elapsed Minutes	Depth Sealed

Hole Diameter

Depth	Diameter (mm)
1.00	98
2.00	87

Casing Diameter

Depth	Diameter (mm)

General Remarks:

1) All recorded strengths and densities based on in-situ tests, or basic field tests and visual observations of penetration rate where tests have not been completed. Square brackets indicate approximation within made Ground.
2) No direct visual or olfactory evidence of mobile contamination.
3) Groundwater was not encountered.
4) Borehole terminated at 2.00m due to effective 'refusal' within structured chalk.
5) On completion, the borehole was backfilled with arisings.

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Ground Investigation

Continuous Percussion Borehole Record

Hole ID
WS04
Sheet 1 of 1 (0.00m-4.00m)
All dimensions in metres
Scale 1:20

Site: High Post, Salisbury
Client: Nationwide Engineering Group
Job No: P1562

Method/Plant Used: Heavy Duty Archway Competitor
Start date: 07/10/21 **End Date:** 07/10/21 **Logged By:** DJH
Easting: 414,563.00 **Northing:** 136,394.00 **Elevation:** 121.700

SAMPLES & IN-SITU TESTS				STRATA			
Depth	Type / No	Result / Remark	Water	Legend	Depth (thick.)	Description	Backfill & Inst
					(0.25) 0.25	Sparse vegetation and sporadic grass over soft to firm friable brown slightly gravelly sandy silty clay TOPSOIL. Gravel is angular to subrounded fine to coarse flint. Frequent rootlets. **TOPSOIL**	
0.30	ES/1				(0.75)	Stiff brown slightly sandy slightly gravelly silty CLAY. Gravel is angular to subrounded fine to coarse flint and rare chalk. **RESIDUAL SOIL**	
0.90	D/1				1.00	0.90-1.00m: Mottled off-white and light grey.	
1.00-1.45	C	N=22 (4,5:5,6,5,6)			(0.20) 1.20	Structureless CHALK composed of medium dense slightly sandy very silty subangular and subrounded fine to coarse GRAVEL. Clasts are extremely weak and very weak low locally medium density white with rare black specks. Matrix is white mottled brown. (possibly CIRIA Grade Dc) **SEAFORD CHALK FORMATION**	
					(0.60) 1.80	Extremely weak low and medium density white with rare black specks CHALK. (possibly CIRIA Grade C4) **SEAFORD CHALK FORMATION**	
1.80-2.00	D/2				(0.20) 2.00	Very weak medium density white with rare black specks locally stained orangish brown CHALK. (possibly CIRIA Grade C5 to C4) **SEAFORD CHALK FORMATION**	
2.00-2.45	C	N>50 (7,9:12,13,13,12/70mm)					

Boring Progress and Water Observations

Date	Time	Hole Depth	Casing Depth	Water Depth
07/10/21	10:45	2.00	Nil	Dry

Water Strikes

Strike Depth	Flow Rate	Post Strike Depth	Elapsed Minutes	Depth Sealed

Hole Diameter

Depth	Diameter (mm)
1.00	98
2.00	87

Casing Diameter

Depth	Diameter (mm)

General Remarks:

1) All recorded strengths and densities based on in-situ tests, or basic field tests and visual observations of penetration rate where tests have not been completed. Square brackets indicate approximation within made Ground.
2) No direct visual or olfactory evidence of mobile contamination.
3) Groundwater was not encountered.
4) Borehole terminated at 2.00m due to effective 'refusal' within structured chalk.
5) On completion, the borehole was backfilled with arisings.

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Ground Investigation

Continuous Percussion Borehole Record

Hole ID
WS05
Sheet 1 of 1 (0.00m-4.00m)
All dimensions in metres
Scale 1:20

Site: High Post, Salisbury
Client: Nationwide Engineering Group
Job No: P1562
Method/Plant Used: Heavy Duty Archway Competitor
Start date: 07/10/21 **End Date:** 07/10/21 **Logged By:** DJH
Easting: 414,656.00 **Northing:** 136,355.00 **Elevation:** 125.000

SAMPLES & IN-SITU TESTS				STRATA			
Depth	Type / No	Result / Remark	Water	Legend	Depth (thick.)	Description	Backfill & Inst
					(0.25) 0.25	Sparse vegetation and sporadic grass over soft to firm friable brown slightly gravelly sandy silty clay TOPSOIL. Gravel is angular to subrounded fine to coarse flint. Frequent rootlets. **TOPSOIL**	
0.20	ES/1				(0.45) 0.70	Stiff brown slightly sandy slightly gravelly silty CLAY. Gravel is angular to subrounded fine to coarse flint and rare chalk. **RESIDUAL SOIL**	
1.00 1.00-1.45	D/1 C	N=22 (4,5:5,5,6,6)			(0.40) 1.10	Structureless CHALK composed of medium dense slightly sandy very silty subangular and subrounded fine to coarse GRAVEL. Clasts are extremely weak and very weak low locally medium density white with rare black specks. Matrix is white mottled brown. (possibly CIRIA Grade Dc) **SEAFORD CHALK FORMATION**	
					(0.60) 1.70	Extremely weak low and medium density white with rare black specks CHALK. (possibly CIRIA Grade C4) **SEAFORD CHALK FORMATION**	
					(0.30) 2.00	Very weak medium density white with rare black specks CHALK. (possibly CIRIA Grade C5 to C4) **SEAFORD CHALK FORMATION**	
2.00 2.00-2.35	D/2 C	N>50 (12,13:17,17,16/60mm)					

Boring Progress and Water Observations

Date	Time	Hole Depth	Casing Depth	Water Depth
07/10/21	10:00	2.00	Nil	Dry

Water Strikes

Strike Depth	Flow Rate	Post Strike Depth	Elapsed Minutes	Depth Sealed

Hole Diameter

Depth	Diameter (mm)
1.00	98
2.00	87

Casing Diameter

Depth	Diameter (mm)

General Remarks:

1) All recorded strengths and densities based on in-situ tests, or basic field tests and visual observations of penetration rate where tests have not been completed. Square brackets indicate approximation within made Ground.
2) No direct visual or olfactory evidence of mobile contamination.
3) Groundwater was not encountered.
4) Borehole terminated at 2.00m due to effective 'refusal' within structured chalk.
5) On completion, the borehole was backfilled with arisings.

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Ground Investigation

Continuous Percussion Borehole Record

Hole ID
WS06
Sheet 1 of 1 (0.00m-4.00m)
All dimensions in metres
Scale 1:20

Site: High Post, Salisbury
Client: Nationwide Engineering Group
Job No: P1562

Method/Plant Used: Heavy Duty Archway Competitor
Start date: 06/10/21 **End Date:** 06/10/21 **Logged By:** DJH
Easting: 414,624.00 **Northing:** 136,413.00 **Elevation:** 123.900

SAMPLES & IN-SITU TESTS				STRATA			
Depth	Type / No	Result / Remark	Water	Legend	Depth (thick.)	Description	Backfill & Inst
0.20	ES/1				(0.30) 0.30	Sparse vegetation and sporadic grass over soft to firm friable brown slightly gravelly sandy silty clay TOPSOIL. Gravel is angular to subrounded fine to coarse flint. Frequent rootlets. **TOPSOIL**	
0.90	D/1				(0.70) 1.00	Stiff brown slightly sandy slightly gravelly silty CLAY. Gravel is angular to subrounded fine to coarse flint and rare chalk. **RESIDUAL SOIL**	
1.00-1.45	C	N=43 (3,4:10,13,10,10)			(0.20) 1.20	Structureless CHALK composed of medium dense slightly sandy very silty subangular and subrounded fine to coarse GRAVEL. Clasts are extremely weak and very weak low locally medium density white with rare black specks. Matrix is white mottled brown. (possibly CIRIA Grade Dc) **SEAFORD CHALK FORMATION**	
					(0.50) 1.70	Extremely weak low and medium density white with rare black specks CHALK. (possibly CIRIA Grade C4) **SEAFORD CHALK FORMATION**	
2.00	D/2				(0.30) 2.00	Very weak medium density white with rare black specks CHALK. (possibly CIRIA Grade C5 to C4) **SEAFORD CHALK FORMATION**	
2.00-2.44	C	N>50 (11,13:12,12,14,12/60mm)					

Boring Progress and Water Observations

Date	Time	Hole Depth	Casing Depth	Water Depth
06/10/21	15:45	2.00	Nil	Dry

Water Strikes

Strike Depth	Flow Rate	Post Strike Depth	Elapsed Minutes	Depth Sealed

Hole Diameter

Depth	Diameter (mm)
1.00	98
2.00	87

Casing Diameter

Depth	Diameter (mm)

General Remarks:

1) All recorded strengths and densities based on in-situ tests, or basic field tests and visual observations of penetration rate where tests have not been completed. Square brackets indicate approximation within made Ground.
2) No direct visual or olfactory evidence of mobile contamination.
3) Groundwater was not encountered.
4) Borehole terminated at 2.00m due to effective 'refusal' within structured chalk.
5) On completion, the borehole was backfilled with arisings.

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Ground Investigation

Continuous Percussion Borehole Record

Hole ID
WS07
Sheet 1 of 1 (0.00m-4.00m)
All dimensions in metres
Scale 1:20

Site: High Post, Salisbury
Client: Nationwide Engineering Group
Job No: P1562
Method/Plant Used: Heavy Duty Archway Competitor
Start date: 06/10/21 **End Date:** 06/10/21 **Logged By:** DJH
Easting: 414,599.00 **Northing:** 136,478.00 **Elevation:** 121.900

SAMPLES & IN-SITU TESTS				STRATA			
Depth	Type / No	Result / Remark	Water	Legend	Depth (thick.)	Description	Backfill & Inst
					(0.30) 0.30	Sparse vegetation and sporadic grass over soft to firm friable brown slightly gravelly sandy silty clay TOPSOIL. Gravel is angular to subrounded fine to coarse flint. Frequent rootlets. **TOPSOIL**	
0.30	ES/1				(0.60) 0.90	Stiff brown slightly sandy slightly gravelly silty CLAY. Gravel is angular to subrounded fine to coarse flint and rare chalk. **RESIDUAL SOIL**	
1.00 1.00-1.45	D/1 C	N=23 (4,5:5,6,6,6)			(0.30) 1.20	Structureless CHALK composed of medium dense slightly sandy very silty subangular and subrounded fine to coarse GRAVEL. Clasts are extremely weak and very weak low locally medium density white with rare black specks. Matrix is white mottled brown. (possibly CIRIA Grade Dc) **SEAFORD CHALK FORMATION**	
					(0.50) 1.70	Extremely weak low and medium density white with rare black specks CHALK. (possibly CIRIA Grade C4) **SEAFORD CHALK FORMATION**	
					(0.30) 2.00	Very weak medium density white with rare black specks CHALK. (possibly CIRIA Grade C5 to C4) **SEAFORD CHALK FORMATION**	
2.00 2.00-2.41	D/2 C	N>50 (14,11:14,15,13,8/50mm)					

Boring Progress and Water Observations

Date	Time	Hole Depth	Casing Depth	Water Depth
06/10/21	14:45	2.00	Nil	Dry

Water Strikes

Strike Depth	Flow Rate	Post Strike Depth	Elapsed Minutes	Depth Sealed

Hole Diameter

Depth	Diameter (mm)
1.00	98
2.00	87

Casing Diameter

Depth	Diameter (mm)

General Remarks:

1) All recorded strengths and densities based on in-situ tests, or basic field tests and visual observations of penetration rate where tests have not been completed. Square brackets indicate approximation within made Ground.
2) No direct visual or olfactory evidence of mobile contamination.
3) Groundwater was not encountered.
4) Borehole terminated at 2.00m due to effective 'refusal' within structured chalk.
5) On completion, the borehole was backfilled with arisings.

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Ground Investigation

Continuous Percussion Borehole Record

Hole ID
WS08
Sheet 1 of 1 (0.00m-4.00m)
All dimensions in metres
Scale 1:20

Site: High Post, Salisbury
Client: Nationwide Engineering Group
Job No: P1562
Method/Plant Used: Heavy Duty Archway Competitor
Start date: 06/10/21 **End Date:** 06/10/21 **Logged By:** DJH
Easting: 414,687.00 **Northing:** 136,435.00 **Elevation:** 125.300

SAMPLES & IN-SITU TESTS				Water	STRATA			Backfill & Inst
Depth	Type / No		Result / Remark		Legend	Depth (thick.)	Description	
						(0.20) 0.20	Sparse vegetation and sporadic grass over soft to firm friable brown slightly gravelly sandy silty clay TOPSOIL. Gravel is angular to subrounded fine to coarse flint. Frequent rootlets. **TOPSOIL**	
0.20	ES/1					(0.30) 0.50	Stiff brown slightly sandy slightly gravelly silty CLAY. Gravel is angular to subrounded fine to coarse flint and rare chalk. **RESIDUAL SOIL**	
						0.60	Structureless CHALK composed of medium dense slightly sandy very silty subangular and subrounded fine to coarse GRAVEL. Clasts are extremely weak and very weak low locally medium density white with rare black specks. Matrix is white mottled brown. (possibly CIRIA Grade Dc) **SEAFORD CHALK FORMATION**	
0.80	D/1					(0.60)	Extremely weak low and medium density white with rare black specks CHALK. (possibly CIRIA Grade C4) **SEAFORD CHALK FORMATION**	
1.00-1.34	C		N>50 (5,13:22,17,11/35mm)			1.20		
						(0.30) 1.50	Very weak medium density white with rare black specks CHALK. (possibly CIRIA Grade C5 to C4) **SEAFORD CHALK FORMATION**	
1.50	D/2							
1.50-1.87	C		N>50 (10,15:18,17,15/70mm)					

Boring Progress and Water Observations

Date	Time	Hole Depth	Casing Depth	Water Depth
06/10/21	13:45	1.50	Nil	Dry

Water Strikes

Strike Depth	Flow Rate	Post Strike Depth	Elapsed Minutes	Depth Sealed

Hole Diameter

Depth	Diameter (mm)
1.00	98
1.50	87

Casing Diameter

Depth	Diameter (mm)

General Remarks:

1) All recorded strengths and densities based on in-situ tests, or basic field tests and visual observations of penetration rate where tests have not been completed. Square brackets indicate approximation within made Ground.
2) No direct visual or olfactory evidence of mobile contamination.
3) Groundwater was not encountered.
4) Borehole terminated at 1.50m due to effective 'refusal' within structured chalk.
5) On completion, the borehole was backfilled with arisings.

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Ground Investigation

Continuous Percussion Borehole Record

Hole ID
WS09
Sheet 1 of 1 (0.00m-4.00m)
All dimensions in metres
Scale 1:20

Site: High Post, Salisbury
Client: Nationwide Engineering Group
Job No: P1562

Method/Plant Used: Heavy Duty Archway Competitor
Start date: 06/10/21 **End Date:** 06/10/21 **Logged By:** DJH
Easting: 414,655.00 **Northing:** 136,504.00 **Elevation:** 123.100

SAMPLES & IN-SITU TESTS				Water	STRATA			Backfill & Inst
Depth	Type / No		Result / Remark		Legend	Depth (thick.)	Description	
						(0.25)	Sparse vegetation and sporadic grass over soft to firm friable brown slightly gravelly sandy silty clay TOPSOIL. Gravel is angular to subrounded fine to coarse flint. Frequent rootlets. **TOPSOIL**	
0.20	ES/1					0.25		
						(0.60)	Stiff brown slightly sandy slightly gravelly silty CLAY. Gravel is angular to subrounded fine to coarse flint and rare chalk. **RESIDUAL SOIL**	
0.80	D/1					0.85		
1.00-1.45	C		N=18 (4,5:5,4,4,5)			(0.35)	Structureless CHALK composed of medium dense slightly sandy very silty subangular and subrounded fine to coarse GRAVEL. Clasts are extremely weak and very weak low locally medium density white with rare black specks. Matrix is white mottled brown. (possibly CIRIA Grade Dc) **SEAFORD CHALK FORMATION**	
						1.20		
						(1.30)	Extremely weak low and medium density white with rare black specks CHALK. (possibly CIRIA Grade C4) **SEAFORD CHALK FORMATION**	
1.80-2.00	D/2							
2.00-2.45	C		N=32 (7,9:9,8,8,7)					
						2.50		
						(0.50)	Very weak medium density white with rare black specks CHALK. (possibly CIRIA Grade C5 to C4) **SEAFORD CHALK FORMATION**	
2.80-3.00	D/3					3.00		
3.00-3.37	C		N>50 (14,11:14,15,14,7/10mm)					

Boring Progress and Water Observations

Date	Time	Hole Depth	Casing Depth	Water Depth
06/10/21	12:30	3.00	Nil	Dry

Water Strikes

Strike Depth	Flow Rate	Post Strike Depth	Elapsed Minutes	Depth Sealed

Hole Diameter

Depth	Diameter (mm)
1.00	98
2.00	87
3.00	76

Casing Diameter

Depth	Diameter (mm)

General Remarks:

1) All recorded strengths and densities based on in-situ tests, or basic field tests and visual observations of penetration rate where tests have not been completed. Square brackets indicate approximation within made Ground.
2) No direct visual or olfactory evidence of mobile contamination.
3) Groundwater was not encountered.
4) Borehole terminated at 3.00m due to effective 'refusal' within structured chalk.
5) On completion, the borehole was backfilled with arisings.

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Ground Investigation

Continuous Percussion Borehole Record

Hole ID
WS10
Sheet 1 of 1 (0.00m-4.00m)
All dimensions in metres
Scale 1:20

Site: High Post, Salisbury
Client: Nationwide Engineering Group
Job No: P1562
Method/Plant Used: Heavy Duty Archway Competitor
Start date: 06/10/21 **End Date:** 06/10/21 **Logged By:** DJH
Easting: 414,693.00 **Northing:** 136,491.00 **Elevation:** 124.700

SAMPLES & IN-SITU TESTS				Water	STRATA			Backfill & Inst
Depth	Type / No		Result / Remark		Legend	Depth (thick.)	Description	
						(0.25) 0.25	Sparse vegetation and sporadic grass over soft to firm friable brown slightly gravelly sandy silty clay TOPSOIL. Gravel is angular to subrounded fine to coarse flint. Frequent rootlets. **TOPSOIL**	
0.30	ES/1					0.40	Stiff brown slightly sandy slightly gravelly silty CLAY. Gravel is angular to subrounded fine to coarse flint and rare chalk. **RESIDUAL SOIL**	
						(0.30) 0.70	Structureless CHALK composed of medium dense slightly sandy very silty subangular and subrounded fine to coarse GRAVEL. Clasts are extremely weak and very weak low locally medium density white with rare black specks. Matrix is white mottled brown. (possibly CIRIA Grade Dc) **SEAFORD CHALK FORMATION**	
						(0.40) 1.10	Extremely weak low and medium density white with rare black specks CHALK. (possibly CIRIA Grade C4) **SEAFORD CHALK FORMATION**	
1.00 1.00-1.45	D/1 C		N=24 (4,5:6,6,6,6)					
						(0.90) 2.00	Very weak medium density white with rare black specks CHALK. (possibly CIRIA Grade C5 to C4) **SEAFORD CHALK FORMATION** 1.70m: Black rinded off-white flint cobble recovered as angular fine to coarse gravel.	
2.00 2.00-2.43	D/2 C		N>50 (11,11:12,13,14,11/55mm)					

Boring Progress and Water Observations

Date	Time	Hole Depth	Casing Depth	Water Depth
06/10/21	11:30	2.00	Nil	Dry

Water Strikes

Strike Depth	Flow Rate	Post Strike Depth	Elapsed Minutes	Depth Sealed

Hole Diameter

Depth	Diameter (mm)
1.00	98
2.00	87

Casing Diameter

Depth	Diameter (mm)

General Remarks:

1) All recorded strengths and densities based on in-situ tests, or basic field tests and visual observations of penetration rate where tests have not been completed. Square brackets indicate approximation within made Ground.
2) No direct visual or olfactory evidence of mobile contamination.
3) Groundwater was not encountered.
4) Borehole terminated at 2.00m due to effective 'refusal' within structured chalk.
5) On completion, the borehole was backfilled with arisings.

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Ground Investigation

Continuous Percussion Borehole Record

Hole ID
WS11
Sheet 1 of 1 (0.00m-4.00m)
All dimensions in metres
Scale 1:20

Site: High Post, Salisbury
Client: Nationwide Engineering Group
Job No: P1562

Method/Plant Used: Heavy Duty Archway Competitor
Start date: 06/10/21 **End Date:** 06/10/21 **Logged By:** DJH
Easting: 414,627.00 **Northing:** 136,561.00 **Elevation:** 121.900

SAMPLES & IN-SITU TESTS				Water	STRATA			Backfill & Inst
Depth	Type / No		Result / Remark		Legend	Depth (thick.)	Description	
						(0.20) 0.20	Sparse vegetation and sporadic grass over soft to firm friable brown slightly gravelly sandy silty clay TOPSOIL. Gravel is angular to subrounded fine to coarse flint. Frequent rootlets. **TOPSOIL**	
0.20	ES/1					(0.30) 0.50	Stiff brown slightly sandy slightly gravelly silty CLAY. Gravel is angular to subrounded fine to coarse flint and rare chalk. **RESIDUAL SOIL**	
						(0.30) 0.80	Structureless CHALK composed of medium dense slightly sandy very silty subangular and subrounded fine to coarse GRAVEL. Clasts are extremely weak and very weak low locally medium density white with rare black specks. Matrix is white mottled brown. (possibly CIRIA Grade Dc) **SEAFORD CHALK FORMATION**	
1.00 1.00-1.45	D/1 C		N=21 (3,5:5,5,5,6)			(1.40) 2.20	Extremely weak low and medium density white with rare black specks CHALK. (possibly CIRIA Grade C4) **SEAFORD CHALK FORMATION**	
2.00 2.00-2.45	D/2 C		N=32 (7,7:8,8,8,8)					
						(0.80) 3.00	Very weak medium density white with rare black specks CHALK. (possibly CIRIA Grade C5 to C4) **SEAFORD CHALK FORMATION**	
3.00 3.00-3.37	D/3 C		N>50 (14,11:17,14,14,5/20mm)					

Boring Progress and Water Observations

Date	Time	Hole Depth	Casing Depth	Water Depth
06/10/21	10:00	3.00	Nil	Dry

Water Strikes

Strike Depth	Flow Rate	Post Strike Depth	Elapsed Minutes	Depth Sealed

Hole Diameter

Depth	Diameter (mm)
1.00	98
2.00	87
3.00	76

Casing Diameter

Depth	Diameter (mm)

General Remarks:

1) All recorded strengths and densities based on in-situ tests, or basic field tests and visual observations of penetration rate where tests have not been completed. Square brackets indicate approximation within made Ground.
2) No direct visual or olfactory evidence of mobile contamination.
3) Groundwater was not encountered.
4) Borehole terminated at 3.00m due to effective 'refusal' within structured chalk.
5) On completion, the borehole was backfilled with arisings.

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Ground Investigation

Continuous Percussion Borehole Record

Hole ID
WS12
Sheet 1 of 1 (0.00m-4.00m)
All dimensions in metres
Scale 1:20

Site: High Post, Salisbury
Client: Nationwide Engineering Group
Job No: P1562
Method/Plant Used: Heavy Duty Archway Competitor
Start date: 06/10/21 **End Date:** 06/10/21 **Logged By:** DJH
Easting: 414,703.00 **Northing:** 136,556.00 **Elevation:** 124.200

SAMPLES & IN-SITU TESTS				STRATA			
Depth	Type / No	Result / Remark	Water	Legend	Depth (thick.)	Description	Backfill & Inst
					(0.30) 0.30	Sparse vegetation and sporadic grass over soft to firm friable brown slightly gravelly sandy silty clay TOPSOIL. Gravel is angular to subrounded fine to coarse flint. Frequent rootlets. **TOPSOIL**	
0.30	ES/1				(0.60) 0.90	Stiff brown slightly sandy slightly gravelly silty CLAY. Gravel is angular to subrounded fine to coarse flint and rare chalk. **RESIDUAL SOIL**	
1.00 1.00-1.45	D/1 C	N=19 (4,5:4,4,5,6)			(0.20) 1.10	Structureless CHALK composed of medium dense slightly sandy very silty subangular and subrounded fine to coarse GRAVEL. Clasts are extremely weak and very weak low locally medium density white with rare black specks. Matrix is white mottled brown. (possibly CIRIA Grade Dc) **SEAFORD CHALK FORMATION**	
					(0.40) 1.50	Extremely weak low and medium density white with rare black specks CHALK. (possibly CIRIA Grade C4) **SEAFORD CHALK FORMATION**	
					(0.50) 2.00	Very weak medium density white with rare black specks CHALK. (possibly CIRIA Grade C5 to C4) **SEAFORD CHALK FORMATION**	
2.00 2.00-2.40	D/2 C	N>50 (8,6:16,15,14,5/20mm)					

Boring Progress and Water Observations

Date	Time	Hole Depth	Casing Depth	Water Depth
06/10/21	09:00	2.00	Nil	Dry

Water Strikes

Strike Depth	Flow Rate	Post Strike Depth	Elapsed Minutes	Depth Sealed

Hole Diameter

Depth	Diameter (mm)
1.00	98
2.00	87

Casing Diameter

Depth	Diameter (mm)

General Remarks:

1) All recorded strengths and densities based on in-situ tests, or basic field tests and visual observations of penetration rate where tests have not been completed. Square brackets indicate approximation within made Ground.
2) No direct visual or olfactory evidence of mobile contamination.
3) Groundwater was not encountered.
4) Borehole terminated at 2.00m due to effective 'refusal' within structured chalk.
5) On completion, the borehole was backfilled with arisings.

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Ground Investigation

Continuous Percussion Borehole Record

Hole ID
WS13
Sheet 1 of 1 (0.00m-4.00m)
All dimensions in metres
Scale 1:20

Site: High Post, Salisbury
Client: Nationwide Engineering Group
Job No: P1562

Method/Plant Used: Heavy Duty Archway Competitor
Start date: 06/10/21 **End Date:** 06/10/21 **Logged By:** DJH
Easting: 414,615.00 **Northing:** 136,599.00 **Elevation:** 123.600

SAMPLES & IN-SITU TESTS				Water	STRATA			Backfill & Inst
Depth	Type / No		Result / Remark		Legend	Depth (thick.)	Description	
						(0.50) 0.50	Vegetation over [firm] friable dark greyish brown sandy gravelly silty clay TOPSOIL. Gravel is brick, flint, concrete and ceramic. Rare roots and rootlets. **TOPSOIL / MADE GROUND**	
0.40	ES/1					(0.30) 0.80	[Loose to medium dense] off-white and brown locally dark brown slightly sandy very silty chalk GRAVEL. **MADE GROUND (Reworked Seaford Chalk Formation)**	
0.90-0.97	C	↓	N>50 (25/25mm50/40mm)			0.90	[Soft to firm] friable brown slightly gravelly sandy silty clay TOPSOIL. Gravel is flint and chalk. Frequent rootlets are rare roots. **TOPSOIL / MADE GROUND**	

Boring Progress and Water Observations

Date	Time	Hole Depth	Casing Depth	Water Depth
06/10/21	10:30	0.90	Nil	Dry

Water Strikes

Strike Depth	Flow Rate	Post Strike Depth	Elapsed Minutes	Depth Sealed

Hole Diameter

Depth	Diameter (mm)
0.90	98

Casing Diameter

Depth	Diameter (mm)

General Remarks:

1) All recorded strengths and densities based on in-situ tests, or basic field tests and visual observations of penetration rate where tests have not been completed. Square brackets indicate approximation within made Ground.
2) No direct visual or olfactory evidence of mobile contamination.
3) Groundwater was not encountered.
4) Borehole terminated at 0.80m on obstruction - drill rods and barrel appeared to 'bounce'.
5) On completion, the borehole was backfilled with arisings.

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Ground Investigation

Continuous Percussion Borehole Record

Hole ID
WS14
Sheet 1 of 1 (0.00m-4.00m)
All dimensions in metres
Scale 1:20

Site: High Post, Salisbury
Client: Nationwide Engineering Group
Job No: P1562

Method/Plant Used: Heavy Duty Archway Competitor
Start date: 07/10/21 **End Date:** 07/10/21 **Logged By:** DJH
Easting: 414,633.00 **Northing:** 136,570.00 **Elevation:** 122.500

SAMPLES & IN-SITU TESTS				Water	STRATA			Backfill & Inst
Depth	Type / No		Result / Remark		Legend	Depth (thick.)	Description	
						(0.30)	Scatterings of brick and sparse vegetation over dark greyish brown slightly gravelly sandy silty clay TOPSOIL. Gravel is flint. Frequent roots and rootlets. **TOPSOIL / MADE GROUND**	
0.20	ES/1					0.30		
						(0.20)	Stiff brown slightly sandy slightly gravelly silty CLAY. Gravel is angular to subrounded fine to coarse flint and rare chalk. **RESIDUAL SOIL**	
						0.50		
						(0.45)	Stiff friable brown mottled white slightly sandy gravelly clayey SILT. Gravel is subangular and subrounded fine and medium low density chalk, and angular and subangular fine to coarse flint. Rare roots and rootlets. (Completely weathered - residual soil) **SEAFORD CHALK FORMATION**	
0.80	D/1					0.95		
1.00-1.32	C		N>50 (9,14:19,23,8/20mm)			(0.45)	Very weak medium density white with rare black specks CHALK. (possibly CIRIA Grade C5 to C4) **SEAFORD CHALK FORMATION**	
1.20	D/2					1.40		
1.40-1.63	C		N>50 (20,5:22,28/75mm)					

Boring Progress and Water Observations

Date	Time	Hole Depth	Casing Depth	Water Depth
07/10/21	13:45	1.40	Nil	Dry

Water Strikes

Strike Depth	Flow Rate	Post Strike Depth	Elapsed Minutes	Depth Sealed

Hole Diameter

Depth	Diameter (mm)
1.00	98
1.40	87

Casing Diameter

Depth	Diameter (mm)

General Remarks:

1) All recorded strengths and densities based on in-situ tests, or basic field tests and visual observations of penetration rate where tests have not been completed. Square brackets indicate approximation within made Ground.
2) No direct visual or olfactory evidence of mobile contamination.
3) Groundwater was not encountered.
4) Borehole terminated at 1.40m due to effective 'refusal' within structured chalk.
5) On completion, the borehole was backfilled with arisings.

APPENDIX E

Engineering Record of Trial Pits

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Ground Investigation

Trial Pit Record

Hole ID
TP/SA1
Sheet 1 of 1 (0.00m-0.00m)
All dimensions in metres
Scale 1:20

Site: High Post, Salisbury
Client: Nationwide Engineering Group
Job No: P1562

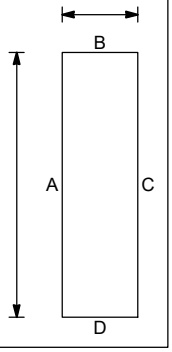
Method/Plant Used: Mechanical Excavator
Start date: 06/10/21 **End Date:** 06/10/21 **Logged By:** RC
Easting: 414,655.00 **Northing:** 136,297.00 **Elevation:** 121.600

SAMPLES & IN-SITU TESTS			WATER	STRATA		
Depth	Type / No	Results / Remarks		Legend	Depth	Description
0.20-0.40	ES				(0.40) 0.40	Sparse vegetation and sporadic grass over soft to firm friable brown slightly gravelly sandy silty clay TOPSOIL. Gravel is angular to subrounded fine to coarse flint. Frequent rootlets. **TOPSOIL**
0.50	CBR	12->14%			(0.40) 0.80	Stiff brown slightly sandy slightly gravelly silty CLAY. Gravel is angular to subrounded fine to coarse flint and rare chalk. **RESIDUAL SOIL**
1.00-1.50	D				(0.70) 1.50	Structureless CHALK composed of medium dense slightly sandy very silty subangular and subrounded fine to coarse GRAVEL. Clasts are extremely weak and very weak low locally medium density white with rare black specks. Matrix is white mottled brown. (possibly CIRIA Grade Dc) **SEAFORD CHALK FORMATION**
					(0.40) 1.90	Extremely weak low and medium density white with rare black specks CHALK. (possibly CIRIA Grade C4) **SEAFORD CHALK FORMATION**

Groundwater Observations

Strike Depth	Flow Rate Remarks

Shoring/Support: None.
Side Stability: Stable.



General Remarks
1) All recorded strengths and densities based on in-situ tests, basic field tests or visual observations of ease of excavation. Square brackets indicate approximation within made Ground.
2) No direct visual or olfactory evidence of mobile contamination.
3) Groundwater was not encountered.
4) Trial pit terminated at 1.9m within chalk.
5) In-situ soakaway test undertaken in pit.
6) On completion, the trial pit was backfilled with arisings and made safe at the surface.

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Ground Investigation

Trial Pit Record

Hole ID
TP/SA2
Sheet 1 of 1 (0.00m-4.00m)
All dimensions in metres
Scale 1:20

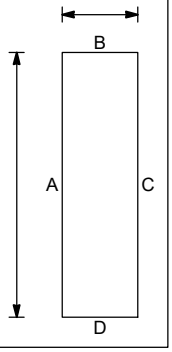
Site: High Post, Salisbury
Client: Nationwide Engineering Group
Job No: P1562
Method/Plant Used: Mechanical Excavator
Start date: 06/10/21 **End Date:** 06/10/21 **Logged By:** RC
Easting: 414,548.00 **Northing:** 136,372.00 **Elevation:** 124.700

SAMPLES & IN-SITU TESTS			WATER	STRATA		
Depth	Type / No	Results / Remarks		Legend	Depth	Description
0.10-0.30	ES				(0.30) 0.30	Sparse vegetation and sporadic grass over soft to firm friable brown slightly gravelly sandy silty clay TOPSOIL. Gravel is angular to subrounded fine to coarse flint. Frequent rootlets. **TOPSOIL**
0.50	CBR	10-14%			(0.40) 0.70	Stiff brown slightly sandy slightly gravelly silty CLAY. Gravel is angular to subrounded fine to coarse flint and rare chalk. **RESIDUAL SOIL**
0.80-1.00	D				(0.80) 1.50	Structureless CHALK composed of medium dense slightly sandy very silty subangular and subrounded fine to coarse GRAVEL. Clasts are extremely weak and very weak low locally medium density white with rare black specks. Matrix is white mottled brown. (possibly CIRIA Grade Dc) **SEAFORD CHALK FORMATION**

Groundwater Observations

Strike Depth	Flow Rate Remarks

Shoring/Support: None.
Side Stability: Stable.



General Remarks
1) All recorded strengths and densities based on in-situ tests, basic field tests or visual observations of ease of excavation. Square brackets indicate approximation within made Ground.
2) No direct visual or olfactory evidence of mobile contamination.
3) Groundwater was not encountered.
4) Trial pit terminated at 1.5m within chalk.
5) In-situ soakaway test undertaken in pit.
6) On completion, the trial pit was backfilled with arisings and made safe at the surface.

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Ground Investigation

Trial Pit Record

Hole ID
TP/SA3
Sheet 1 of 1 (0.00m-4.00m)
All dimensions in metres
Scale 1:20

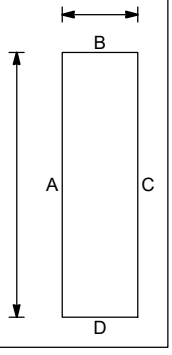
Site: High Post, Salisbury	**Method/Plant Used:** Mechanical Excavator		
Client: Nationwide Engineering Group	**Start date:** 06/10/21	**End Date:** 06/10/21	**Logged By:** RC
Job No: P1562	**Easting:** 414,600.00	**Northing:** 136,369.00	**Elevation:** 123.600

SAMPLES & IN-SITU TESTS			WATER	STRATA		
Depth	**Type / No**	**Results / Remarks**		**Legend**	**Depth**	**Description**
0.20-0.40	ES				(0.40) 0.40	Sparse vegetation and sporadic grass over soft to firm friable brown slightly gravelly sandy silty clay TOPSOIL. Gravel is angular to subrounded fine to coarse flint. Frequent rootlets. **TOPSOIL**
0.50	CBR	3-8%			(0.50) 0.90	Stiff brown slightly sandy slightly gravelly silty CLAY. Gravel is angular to subrounded fine to coarse flint and rare chalk. **RESIDUAL SOIL**
1.00 1.00-1.20	CBR D	12-14%			(0.30) 1.20	Structureless CHALK composed of medium dense slightly sandy very silty subangular and subrounded fine to coarse GRAVEL. Clasts are extremely weak and very weak low locally medium density white with rare black specks. Matrix is white mottled brown. (possibly CIRIA Grade Dc) **SEAFORD CHALK FORMATION**
					(0.30) 1.50	Extremely weak low and medium density white with rare black specks CHALK. (possibly CIRIA Grade C4) **SEAFORD CHALK FORMATION**

Groundwater Observations

Strike Depth	Flow Rate Remarks

Shoring/Support: None.
Side Stability: Stable.



General Remarks
1) All recorded strengths and densities based on in-situ tests, basic field tests or visual observations of ease of excavation. Square brackets indicate approximation within made Ground.
2) No direct visual or olfactory evidence of mobile contamination.
3) Groundwater was not encountered.
4) Trial pit terminated at 1.5m within chalk.
5) In-situ soakaway test undertaken in pit.
6) On completion, the trial pit was backfilled with arisings and made safe at the surface.

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Ground Investigation

Trial Pit Record

Hole ID
TP/SA4
Sheet 1 of 1 (0.00m-4.00m)
All dimensions in metres
Scale 1:20

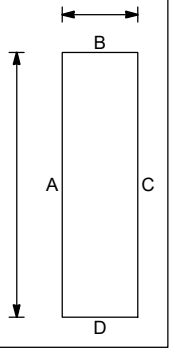
Site: High Post, Salisbury
Client: Nationwide Engineering Group
Job No: P1562
Method/Plant Used: Mechanical Excavator
Start date: 06/10/21 **End Date:** 06/10/21 **Logged By:** RC
Easting: 414,575.00 **Northing:** 136,443.00 **Elevation:** 121.600

SAMPLES & IN-SITU TESTS			WATER	STRATA		
Depth	Type / No	Results / Remarks		Legend	Depth	Description
					(0.30) 0.30	Overgown vegetation over soft to firm friable brown slightly gravelly sandy silty clay TOPSOIL. Gravel is angular to subrounded fine to coarse flint. Frequent rootlets. **TOPSOIL**
0.30-0.50	ES				(0.40) 0.70	Stiff brown slightly sandy slightly gravelly silty CLAY. Gravel is angular to subrounded fine to coarse flint and rare chalk. **RESIDUAL SOIL**
0.50	CBR	3-5%			(0.30) 1.00	Structureless CHALK composed of medium dense slightly sandy very silty subangular and subrounded fine to coarse GRAVEL. Clasts are extremely weak and very weak low locally medium density white with rare black specks. Matrix is white mottled brown. (possibly CIRIA Grade Dc) **SEAFORD CHALK FORMATION**
1.00	CBR	>14%			(0.20) 1.20	Extremely weak low and medium density white with rare black specks CHALK. (possibly CIRIA Grade C4) **SEAFORD CHALK FORMATION**
1.10-1.20	D					

Groundwater Observations

Strike Depth	Flow Rate Remarks

Shoring/Support: None.
Side Stability: Stable.



General Remarks
1) All recorded strengths and densities based on in-situ tests, basic field tests or visual observations of ease of excavation. Square brackets indicate approximation within made Ground.
2) No direct visual or olfactory evidence of mobile contamination.
3) Groundwater was not encountered.
4) Trial pit terminated at 1.2m within chalk.
5) In-situ soakaway test undertaken in pit.
6) On completion, the trial pit was backfilled with arisings and made safe at the surface.

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Ground Investigation

Trial Pit Record

Hole ID
TP/SA5
Sheet 1 of 1 (0.00m-4.00m)
All dimensions in metres
Scale 1:20

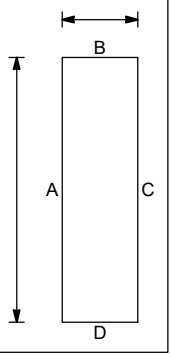
Site: High Post, Salisbury	**Method/Plant Used:** Mechanical Excavator		
Client: Nationwide Engineering Group	**Start date:** 07/10/21	**End Date:** 07/10/21	**Logged By:** RC
Job No: P1562	**Easting:** 414,681.00	**Northing:** 136,397.00	**Elevation:** 125.500

SAMPLES & IN-SITU TESTS			WATER	STRATA		
Depth	**Type / No**	**Results / Remarks**		**Legend**	**Depth**	**Description**
					(0.30) 0.30	Overgown vegetation over soft to firm friable brown slightly gravelly sandy silty clay TOPSOIL. Gravel is angular to subrounded fine to coarse flint. Frequent rootlets. **TOPSOIL**
0.50 0.50-0.60	CBR ES	3-7%			(0.30) 0.60	Stiff brown slightly sandy slightly gravelly silty CLAY. Gravel is angular to subrounded fine to coarse flint and rare chalk. **RESIDUAL SOIL**
					(0.30) 0.90	Structureless CHALK composed of medium dense slightly sandy very silty subangular and subrounded fine to coarse GRAVEL. Clasts are extremely weak and very weak low locally medium density white with rare black specks. Matrix is white mottled brown. (possibly CIRIA Grade Dc) **SEAFORD CHALK FORMATION**
1.00 1.00-1.20	CBR D	10-13%			(0.30) 1.20	Extremely weak low and medium density white with rare black specks CHALK. (possibly CIRIA Grade C4) **SEAFORD CHALK FORMATION**
					1.30	Very weak medium density white with rare black specks CHALK. (possibly CIRIA Grade C5 to C4) **SEAFORD CHALK FORMATION**

Groundwater Observations

Strike Depth	Flow Rate Remarks

Shoring/Support: None.
Side Stability: Stable.



General Remarks
1) All recorded strengths and densities based on in-situ tests, basic field tests or visual observations of ease of excavation. Square brackets indicate approximation within made Ground.
2) No direct visual or olfactory evidence of mobile contamination.
3) Groundwater was not encountered.
4) Trial pit terminated at 1.3m within chalk.
5) In-situ soakaway test undertaken in pit.
6) On completion, the trial pit was backfilled with arisings and made safe at the surface.

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Ground Investigation

Trial Pit Record

Hole ID
TP/SA6
Sheet 1 of 1 (0.00m-4.00m)
All dimensions in metres
Scale 1:20

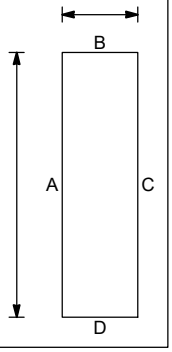
Site: High Post, Salisbury	**Method/Plant Used:** Mechanical Excavator		
Client: Nationwide Engineering Group	**Start date:** 07/10/21	**End Date:** 07/10/21	**Logged By:** RC
Job No: P1562	**Easting:** 414,657.00	**Northing:** 136,481.00	**Elevation:** 123.400

SAMPLES & IN-SITU TESTS			WATER	STRATA		
Depth	**Type / No**	**Results / Remarks**		**Legend**	**Depth**	**Description**
					(0.30) 0.30	Overgown vegetation over soft to firm friable brown slightly gravelly sandy silty clay TOPSOIL. Gravel is angular to subrounded fine to coarse flint. Frequent rootlets. **TOPSOIL**
0.30-0.50	ES					
0.50	CBR	2-7%			(0.50) 0.80	Stiff brown slightly sandy slightly gravelly silty CLAY. Gravel is angular to subrounded fine to coarse flint and rare chalk. **RESIDUAL SOIL**
					(0.20) 1.00	Structureless CHALK composed of medium dense slightly sandy very silty subangular and subrounded fine to coarse GRAVEL. Clasts are extremely weak and very weak low locally medium density white with rare black specks. Matrix is white mottled brown. (possibly CIRIA Grade Dc) **SEAFORD CHALK FORMATION**
1.00	CBR	12-14%			(0.20) 1.20	Extremely weak low and medium density white with rare black specks CHALK. (possibly CIRIA Grade C4) **SEAFORD CHALK FORMATION**
					(0.30) 1.50	Very weak medium density white with rare black specks CHALK. (possibly CIRIA Grade C5 to C4) **SEAFORD CHALK FORMATION**
1.40-1.50	D					

Groundwater Observations

Strike Depth	Flow Rate Remarks

Shoring/Support: None.
Side Stability: Stable.



General Remarks
1) All recorded strengths and densities based on in-situ tests, basic field tests or visual observations of ease of excavation. Square brackets indicate approximation within made Ground.
2) No direct visual or olfactory evidence of mobile contamination.
3) Groundwater was not encountered.
4) Trial pit terminated at 1.5m within chalk.
5) In-situ soakaway test undertaken in pit.
6) On completion, the trial pit was backfilled with arisings and made safe at the surface.

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Ground Investigation

Trial Pit Record

Hole ID
TP/SA7
Sheet 1 of 1 (0.00m-4.00m)
All dimensions in metres
Scale 1:20

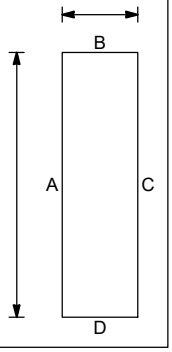
Site: High Post, Salisbury	**Method/Plant Used:** Mechanical Excavator		
Client: Nationwide Engineering Group	**Start date:** 07/10/21	**End Date:** 07/10/21	**Logged By:** RC
Job No: P1562	**Easting:** 414,614.00	**Northing:** 136,559.00	**Elevation:** 121.700

SAMPLES & IN-SITU TESTS			WATER	STRATA		
Depth	Type / No	Results / Remarks		Legend	Depth	Description
					(0.30) 0.30	Overgown vegetation over soft to firm friable brown slightly gravelly sandy silty clay TOPSOIL. Gravel is angular to subrounded fine to coarse flint. Frequent rootlets. **TOPSOIL**
0.30-0.60	ES					
0.50	CBR	2-4%			(0.70) 1.00	Stiff brown slightly sandy slightly gravelly silty CLAY. Gravel is angular to subrounded fine to coarse flint and rare chalk. **RESIDUAL SOIL**
1.00	CBR	10-12%			(0.20) 1.20	Structureless CHALK composed of medium dense slightly sandy very silty subangular and subrounded fine to coarse GRAVEL. Clasts are extremely weak and very weak low locally medium density white with rare black specks. Matrix is white mottled brown. (possibly CIRIA Grade Dc) **SEAFORD CHALK FORMATION**
					(0.30) 1.50	Extremely weak low and medium density white with rare black specks CHALK. (possibly CIRIA Grade C4) **SEAFORD CHALK FORMATION**
1.50-1.70	D				(0.20) 1.70	Very weak medium density white with rare black specks CHALK. (possibly CIRIA Grade C5 to C4) **SEAFORD CHALK FORMATION**

Groundwater Observations

Strike Depth	Flow Rate Remarks

Shoring/Support: None.
Side Stability: Stable.



General Remarks
1) All recorded strengths and densities based on in-situ tests, basic field tests or visual observations of ease of excavation. Square brackets indicate approximation within made Ground.
2) No direct visual or olfactory evidence of mobile contamination.
3) Groundwater was not encountered.
4) Trial pit terminated at 1.7m within chalk.
5) In-situ soakaway test undertaken in pit.
6) On completion, the trial pit was backfilled with arisings and made safe at the surface.

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Ground Investigation

Trial Pit Record

Hole ID
TP/SA8
Sheet 1 of 1 (0.00m-4.00m)
All dimensions in metres
Scale 1:20

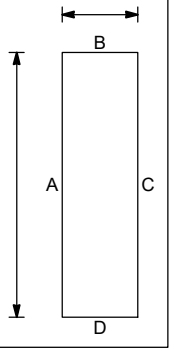
Site: High Post, Salisbury	**Method/Plant Used:** Mechanical Excavator		
Client: Nationwide Engineering Group	**Start date:** 07/10/21	**End Date:** 07/10/21	**Logged By:** RC
Job No: P1562	**Easting:** 414,711.00	**Northing:** 136,520.00	**Elevation:** 124.700

SAMPLES & IN-SITU TESTS			WATER	STRATA		
Depth	**Type / No**	**Results / Remarks**		**Legend**	**Depth**	**Description**
					(0.20) 0.20	Overgown vegetation over soft to firm friable brown slightly gravelly sandy silty clay TOPSOIL. Gravel is angular to subrounded fine to coarse flint. Frequent rootlets. **TOPSOIL**
0.20-0.40	ES					Stiff brown slightly sandy slightly gravelly silty CLAY. Gravel is angular to subrounded fine to coarse flint and rare chalk. **RESIDUAL SOIL**
0.50	CBR	3-4%			(0.80) 1.00	
1.00	CBR	>14%			(0.20) 1.20	Structureless CHALK composed of medium dense slightly sandy very silty subangular and subrounded fine to coarse GRAVEL. Clasts are extremely weak and very weak low locally medium density white with rare black specks. Matrix is white mottled brown. (possibly CIRIA Grade Dc) **SEAFORD CHALK FORMATION**
1.10-1.30	D				(0.30) 1.50	Extremely weak low and medium density white with rare black specks CHALK. (possibly CIRIA Grade C4) **SEAFORD CHALK FORMATION**
					1.60	Very weak medium density white with rare black specks CHALK. (possibly CIRIA Grade C5 to C4) **SEAFORD CHALK FORMATION**

Groundwater Observations

Strike Depth	Flow Rate Remarks

Shoring/Support: None.
Side Stability: Stable.



General Remarks
1) All recorded strengths and densities based on in-situ tests, basic field tests or visual observations of ease of excavation. Square brackets indicate approximation within made Ground.
2) No direct visual or olfactory evidence of mobile contamination.
3) Groundwater was not encountered.
4) Trial pit terminated at 1.6m within chalk.
5) In-situ soakaway test undertaken in pit.
6) On completion, the trial pit was backfilled with arisings and made safe at the surface.

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Ground Investigation

Trial Pit Record

Hole ID
TP9
Sheet 1 of 1 (0.00m-2.50m)
All dimensions in metres
Scale 1:13

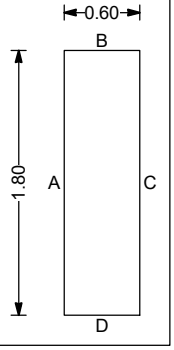
Site: High Post, Salisbury	**Method/Plant Used:** Mechanical Excavator		
Client: Nationwide Engineering Group	**Start date:** 06/10/21	**End Date:** 06/10/21	**Logged By:** DJH
Job No: P1562	**Easting:** 414,625.00	**Northing:** 136,600.00	**Elevation:** 124.000

SAMPLES & IN-SITU TESTS			WATER	STRATA		
Depth	Type / No	Results / Remarks		Legend	Depth	Description
0.50	ES-1				(0.90) 0.90	[Soft to firm] friable brown to dark greyish brown slightly gravelly sandy silty clay TOPSOIL. Gravel is flint with rare brick and concrete. Frequent rootlets and rare roots. **TOPSOIL / MADE GROUND**
1.00	ES-2				(0.20) 1.10	[Loose to medium dense] off-white and brown locally dark brown slightly sandy very silty chalk GRAVEL. **MADE GROUND (Reworked Seaford Chalk Formation)**
					(0.20) 1.30	Firm friable brown slightly gravelly sandy silty clay TOPSOIL. Gravel is angular to subrounded fine to coarse flint. Frequent rootlets and rare roots. **TOPSOIL**
					(0.20) 1.50	Structureless CHALK composed of medium dense slightly sandy very silty subangular and subrounded fine to coarse GRAVEL. Clasts are extremely weak and very weak low locally medium density white with rare black specks. Matrix is white mottled brown. (possibly CIRIA Grade Dc) **SEAFORD CHALK FORMATION**
					(0.20) 1.70	Extremely weak low and medium density white with rare black specks CHALK. (possibly CIRIA Grade C4) **SEAFORD CHALK FORMATION**

Groundwater Observations

Strike Depth	Flow Rate Remarks

Shoring/Support: None.
Side Stability: Minor instability within shallow Made Ground, stable thereafter.



General Remarks
1) All recorded strengths and densities based on in-situ tests, basic field tests or visual observations of ease of excavation. Square brackets indicate approximation within made Ground.
2) No direct visual or olfactory evidence of mobile contamination.
3) Groundwater was not encountered.
4) Trial pit terminated at 1.70m within chalk.
5) On completion, the trial pit was backfilled with arisings and made safe at the surface.

APPENDIX F

Soil Infiltration Test Results

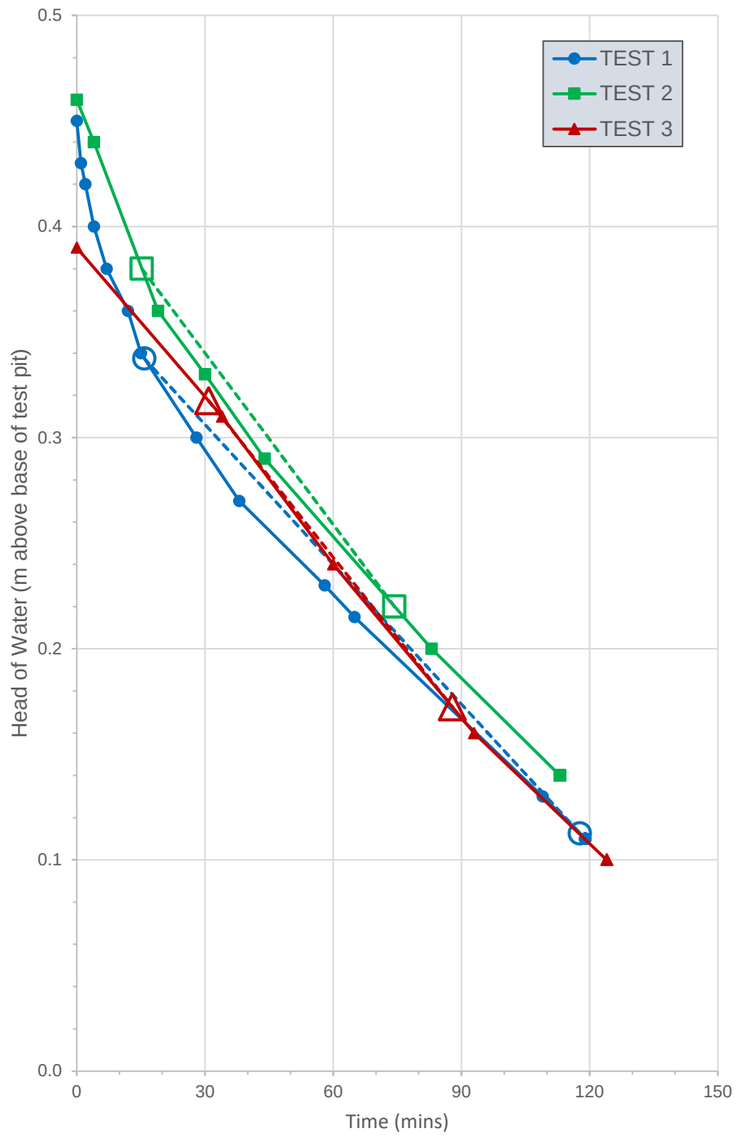
High Post, Salisbury — Test Location: TP/SA1

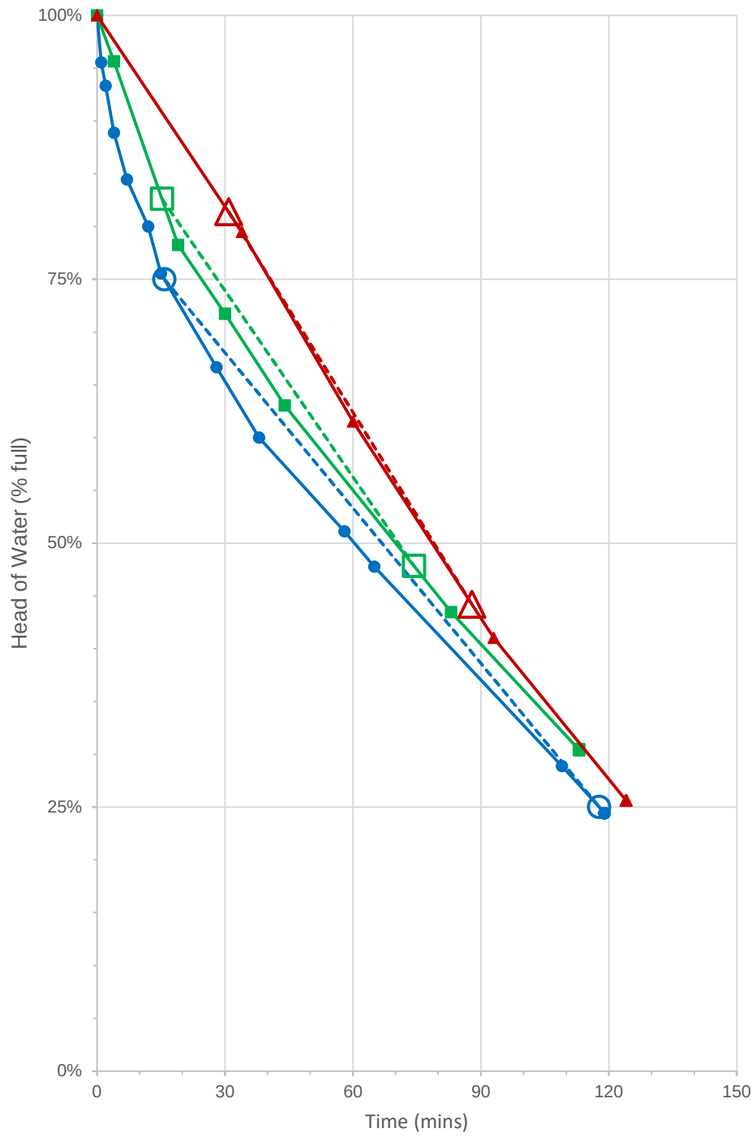
TEST PIT DIMENSIONS

Length		Width		Depth	
1.50	m	0.60	m	1.90	m

Comments:

	TEST 1		TEST 2		TEST 3	
Observation No.	Time (min)	Head (m)	Time (min)	Head (m)	Time (min)	Head (m)
1	0.00	0.450	0.00	0.460	0.00	0.390
2	1.00	0.430	4.00	0.440	34.00	0.310
3	2.00	0.420	19.00	0.360	60.00	0.240
4	4.00	0.400	30.00	0.330	93.00	0.160
5	7.00	0.380	44.00	0.290	124.00	0.100
6	12.00	0.360	83.00	0.200	-	-
7	15.00	0.340	113.00	0.140	-	-
8	28.00	0.300	-	-	-	-
9	38.00	0.270	-	-	-	-
10	58.00	0.230	-	-	-	-
11	65.00	0.215	-	-	-	-
12	109.00	0.130	-	-	-	-
13	119.00	0.110	-	-	-	-
14	-	-	-	-	-	-
15	-	-	-	-	-	-
16	-	-	-	-	-	-
17	-	-	-	-	-	-
18	-	-	-	-	-	-
19	-	-	-	-	-	-
20	-	-	-	-	-	-
21	-	-	-	-	-	-
22	-	-	-	-	-	-
23	-	-	-	-	-	-
24	-	-	-	-	-	-
25	-	-	-	-	-	-
$V_{p75\text{-}25}$ (m^3)	0.203		0.144		0.131	
a_{p50} (m^2)	1.845		2.160		1.929	
$t_{p75\text{-}25}$ (sec)	6,116		3,545		3,422	
f (m/sec)	0.000017945	1.79E-05	0.000018806	1.88E-05	0.000019770	1.98E-05





Soil infiltration rate, $f = \frac{V_{p75-25}}{a_{p50} \times t_{p75-25}}$

Ground Investigation
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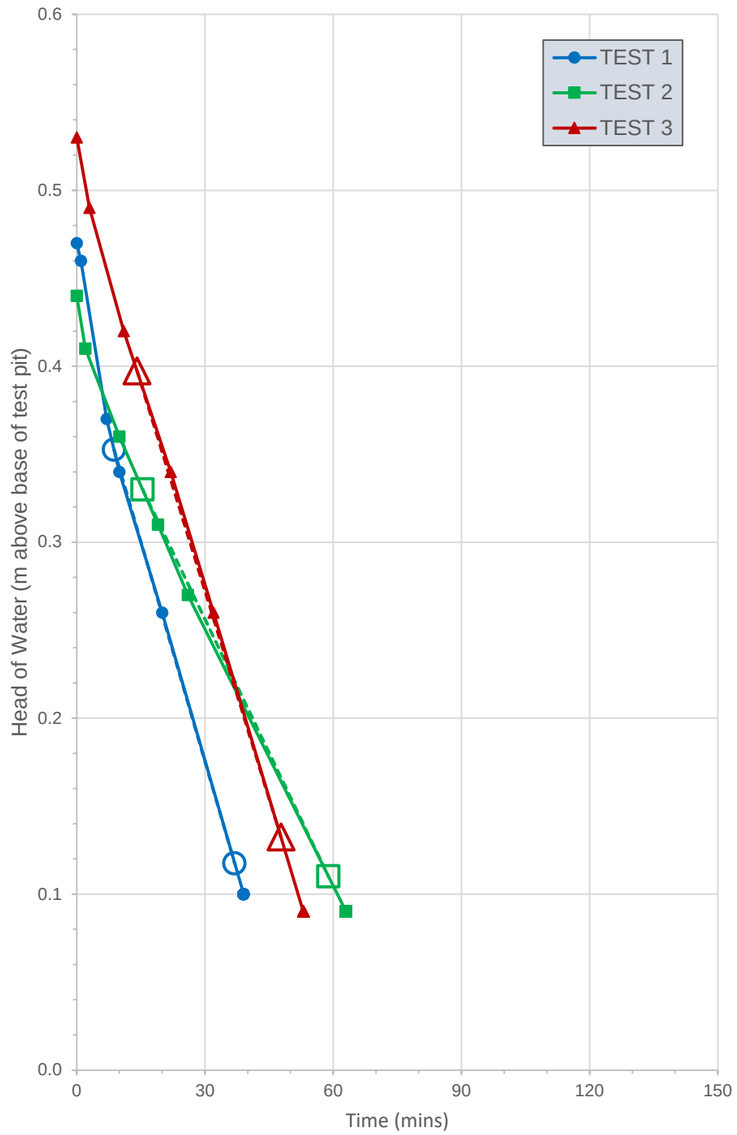
High Post, Salisbury — Test Location: TP/SA2

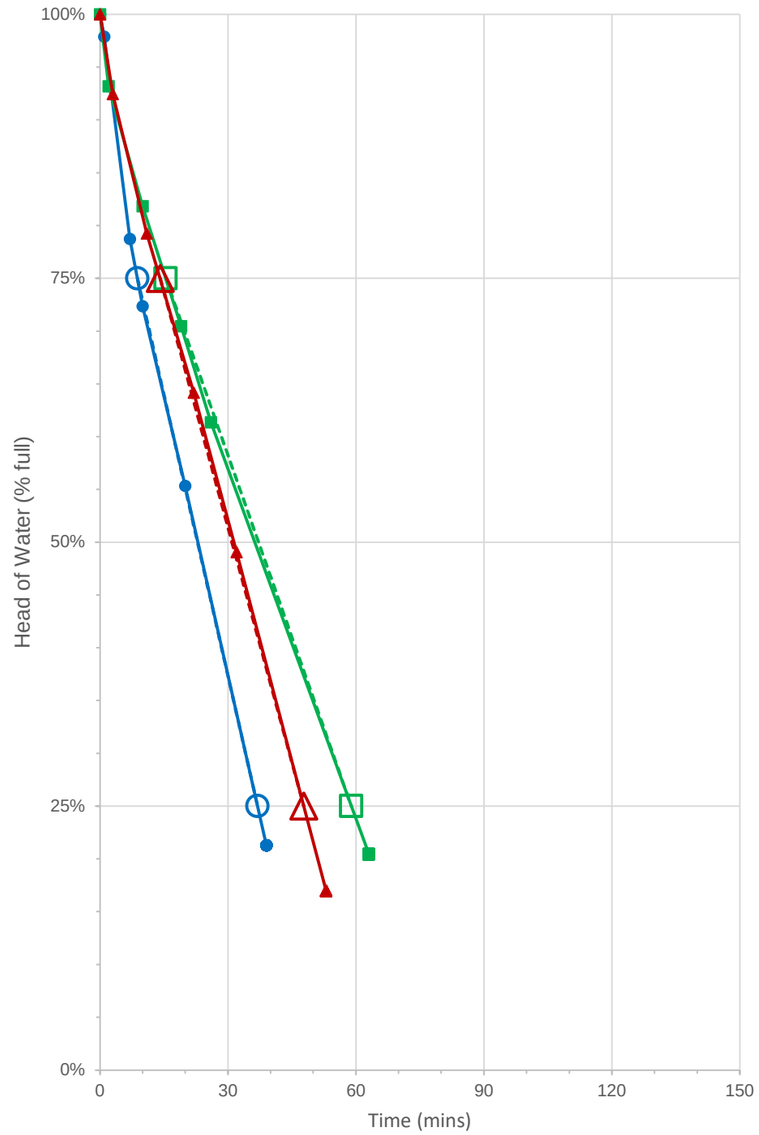
TEST PIT DIMENSIONS

Length		Width		Depth	
1.30	m	0.60	m	1.50	m

Comments:

	TEST 1		TEST 2		TEST 3	
Observation No.	Time (min)	Head (m)	Time (min)	Head (m)	Time (min)	Head (m)
1	0.00	0.470	0.00	0.440	0.00	0.530
2	1.00	0.460	2.00	0.410	3.00	0.490
3	7.00	0.370	10.00	0.360	11.00	0.420
4	10.00	0.340	19.00	0.310	22.00	0.340
5	20.00	0.260	26.00	0.270	32.00	0.260
6	39.00	0.100	63.00	0.090	53.00	0.090
7	-	-	-	-	-	-
8	-	-	-	-	-	-
9	-	-	-	-	-	-
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	-	-	-	-	-
13	-	-	-	-	-	-
14	-	-	-	-	-	-
15	-	-	-	-	-	-
16	-	-	-	-	-	-
17	-	-	-	-	-	-
18	-	-	-	-	-	-
19	-	-	-	-	-	-
20	-	-	-	-	-	-
21	-	-	-	-	-	-
22	-	-	-	-	-	-
23	-	-	-	-	-	-
24	-	-	-	-	-	-
25	-	-	-	-	-	-
$V_{p75\text{-}25}$ (m^3)	0.183		0.172		0.207	
a_{p50} (m^2)	1.673		1.616		1.787	
$t_{p75\text{-}25}$ (sec)	1,690		2,609		2,019	
f (m/sec)	0.000064819	6.48E-05	0.000040695	4.07E-05	0.000057279	5.73E-05





Soil infiltration rate, $f = \frac{V_{p75-25}}{a_{p50} \times t_{p75-25}}$

Ground Investigation
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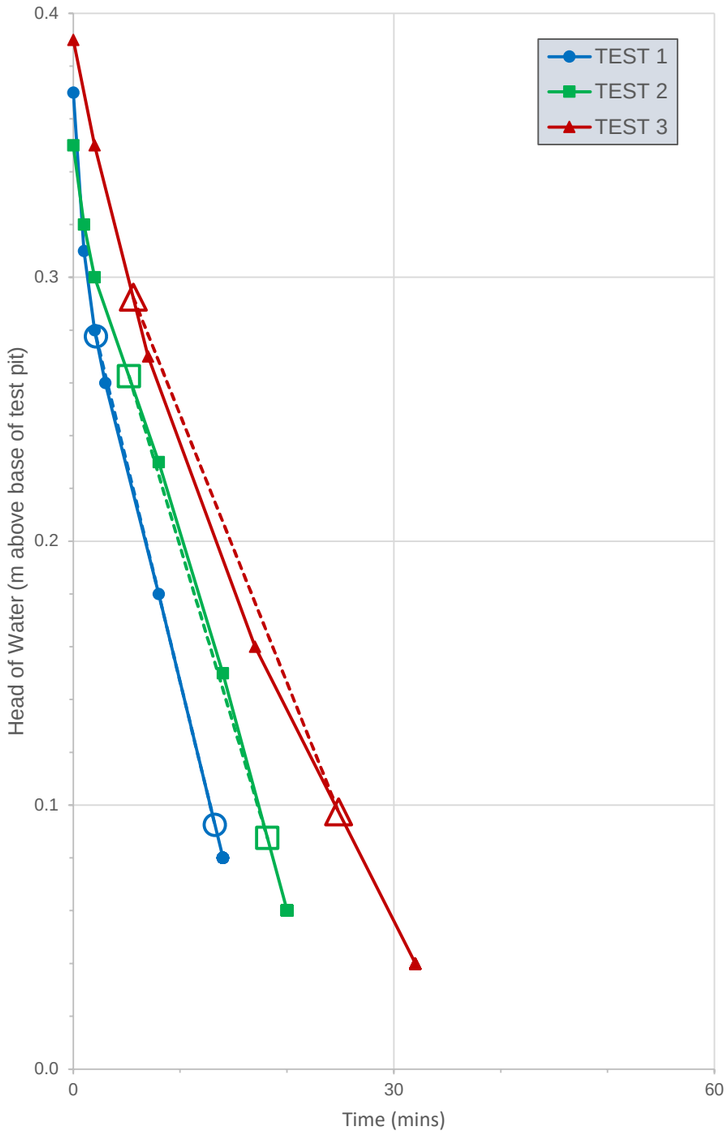
High Post, Salisbury — Test Location: TP/SA3

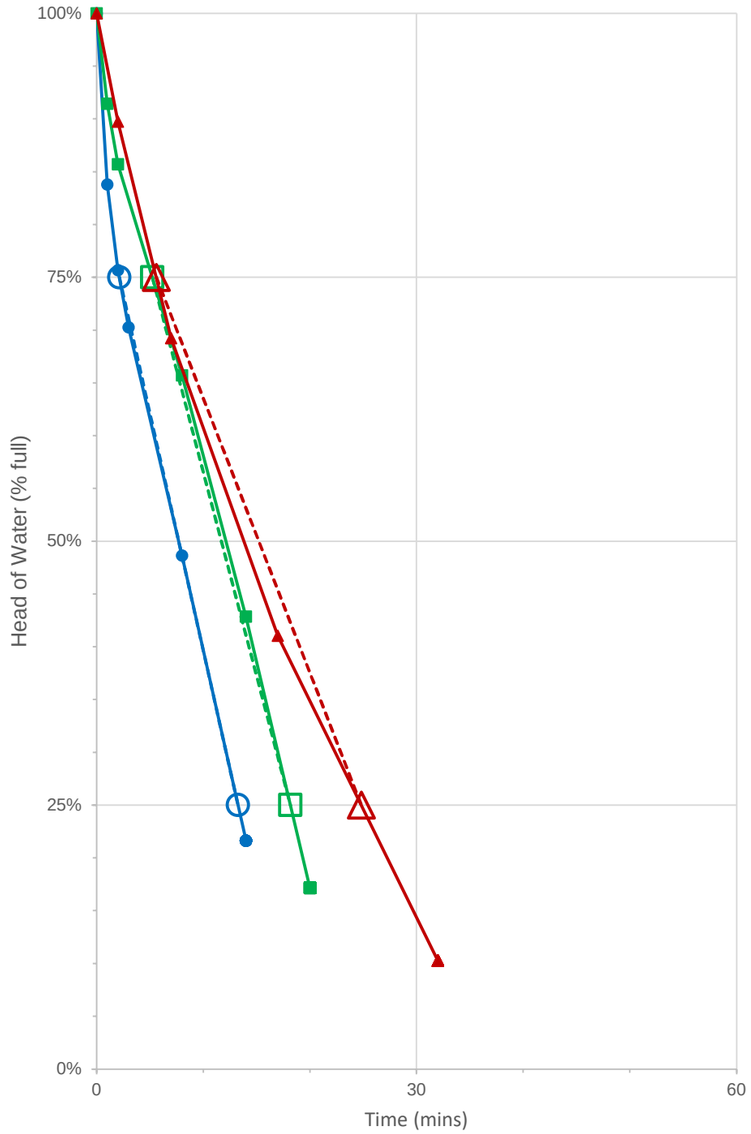
TEST PIT DIMENSIONS

Length		Width		Depth	
1.40	m	0.60	m	1.50	m

Comments:

	TEST 1		TEST 2		TEST 3	
Observation No.	Time (min)	Head (m)	Time (min)	Head (m)	Time (min)	Head (m)
1	0.00	0.370	0.00	0.350	0.00	0.390
2	1.00	0.310	1.00	0.320	2.00	0.350
3	2.00	0.280	2.00	0.300	7.00	0.270
4	3.00	0.260	8.00	0.230	17.00	0.160
5	8.00	0.180	14.00	0.150	32.00	0.040
6	14.00	0.080	20.00	0.060	-	-
7	-	-	-	-	-	-
8	-	-	-	-	-	-
9	-	-	-	-	-	-
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	-	-	-	-	-
13	-	-	-	-	-	-
14	-	-	-	-	-	-
15	-	-	-	-	-	-
16	-	-	-	-	-	-
17	-	-	-	-	-	-
18	-	-	-	-	-	-
19	-	-	-	-	-	-
20	-	-	-	-	-	-
21	-	-	-	-	-	-
22	-	-	-	-	-	-
23	-	-	-	-	-	-
24	-	-	-	-	-	-
25	-	-	-	-	-	-
$V_{p75\text{-}25}$ (m^3)	0.155		0.147		0.164	
a_{p50} (m^2)	1.580		1.540		1.620	
$t_{p75\text{-}25}$ (sec)	668		777		1,153	
f (m/sec)	0.000147347 1.47E-04		0.000122828 1.23E-04		0.000087684 8.77E-05	





Soil infiltration rate, $f = \frac{V_{p75-25}}{a_{p50} \times t_{p75-25}}$

Ground Investigation
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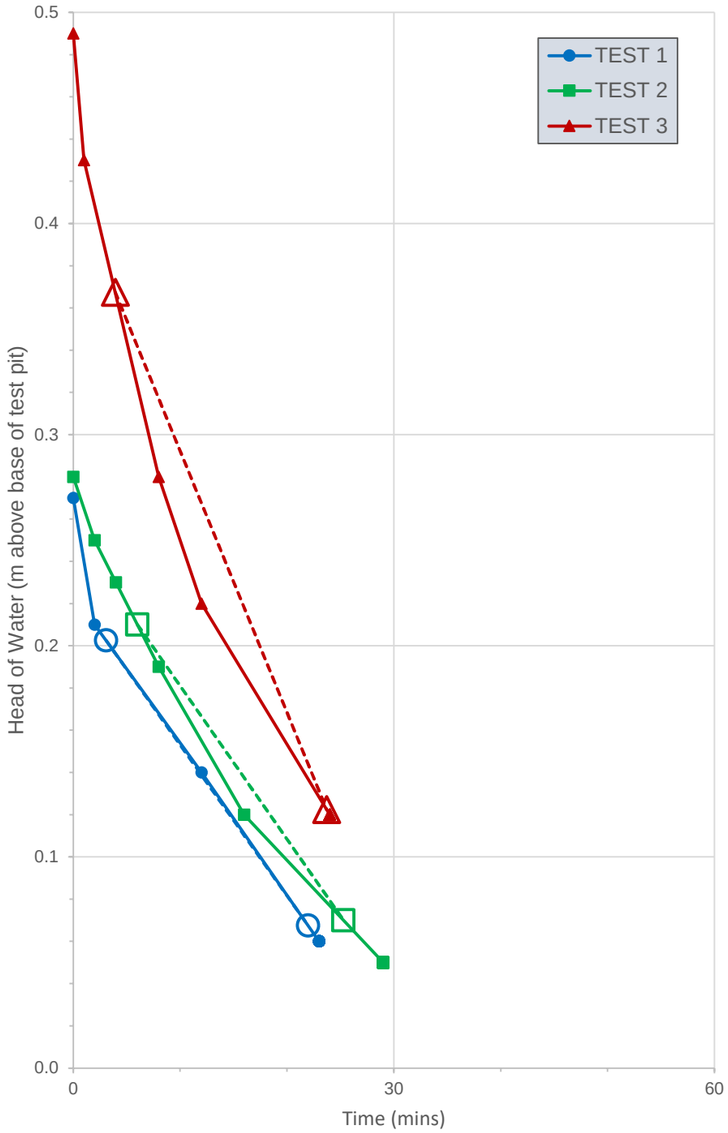
High Post, Salisbury — Test Location: TP/SA4

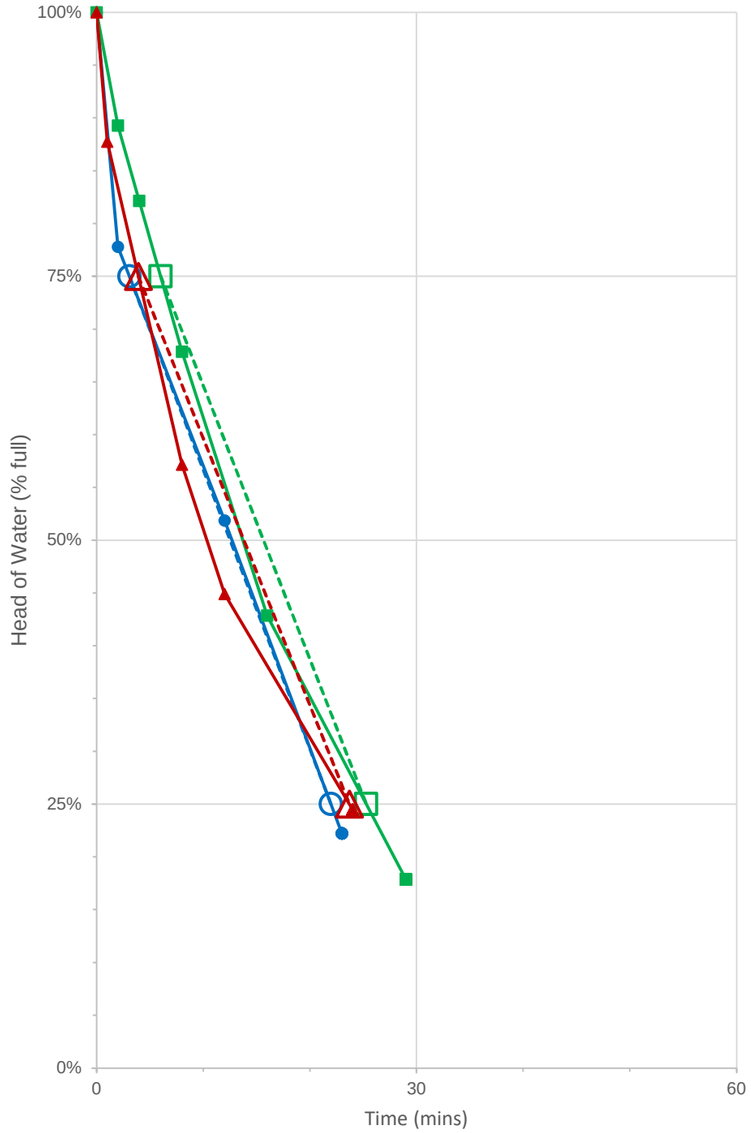
TEST PIT DIMENSIONS

Length		Width		Depth	
1.20	m	0.60	m	1.20	m

Comments:

	TEST 1		TEST 2		TEST 3	
Observation No.	Time (min)	Head (m)	Time (min)	Head (m)	Time (min)	Head (m)
1	0.00	0.270	0.00	0.280	0.00	0.490
2	2.00	0.210	2.00	0.250	1.00	0.430
3	12.00	0.140	4.00	0.230	8.00	0.280
4	23.00	0.060	8.00	0.190	12.00	0.220
5	-	-	16.00	0.120	24.00	0.120
6	-	-	29.00	0.050	-	-
7	-	-	-	-	-	-
8	-	-	-	-	-	-
9	-	-	-	-	-	-
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	-	-	-	-	-
13	-	-	-	-	-	-
14	-	-	-	-	-	-
15	-	-	-	-	-	-
16	-	-	-	-	-	-
17	-	-	-	-	-	-
18	-	-	-	-	-	-
19	-	-	-	-	-	-
20	-	-	-	-	-	-
21	-	-	-	-	-	-
22	-	-	-	-	-	-
23	-	-	-	-	-	-
24	-	-	-	-	-	-
25	-	-	-	-	-	-
$V_{p75\text{-}25}$ (m^3)	0.097		0.101		0.176	
a_{p50} (m^2)	1.206		1.224		1.602	
$t_{p75\text{-}25}$ (sec)	1,134		1,157		1,187	
f (m/sec)	0.000071083	7.11E-05	0.000071169	7.12E-05	0.000092765	9.28E-05





Soil infiltration rate, $f = \frac{V_{p75-25}}{a_{p50} \times t_{p75-25}}$

Ground Investigation
www.ground-investigation.com

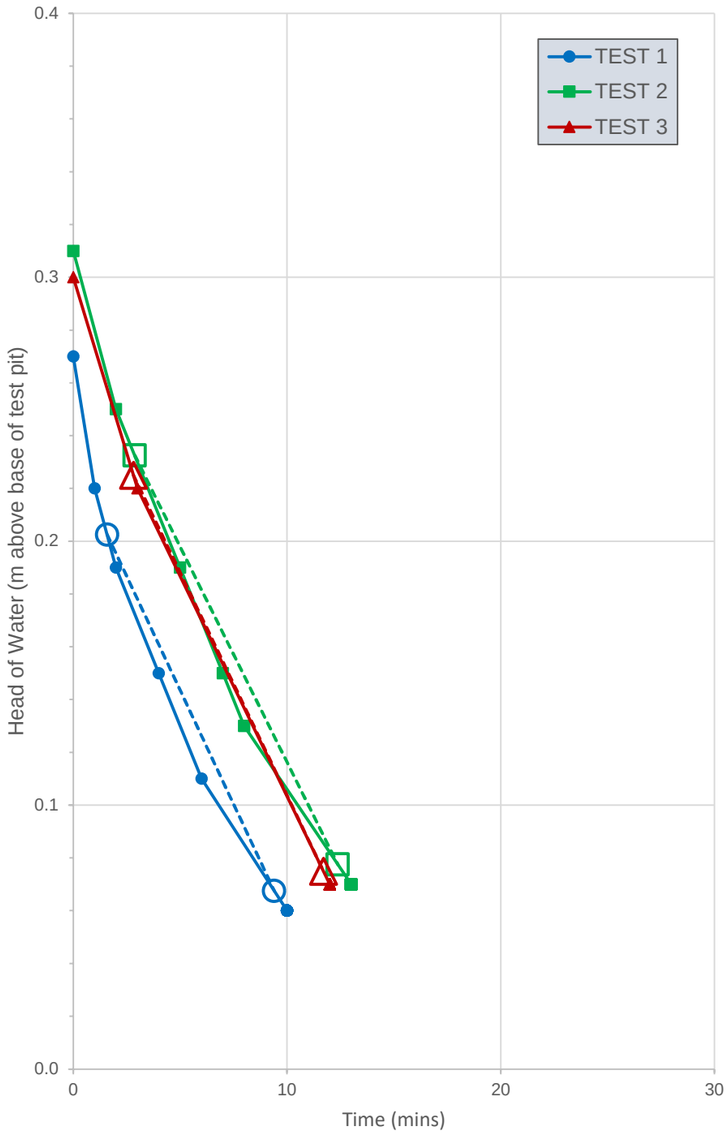
High Post, Salisbury — Test Location: TP/SA5

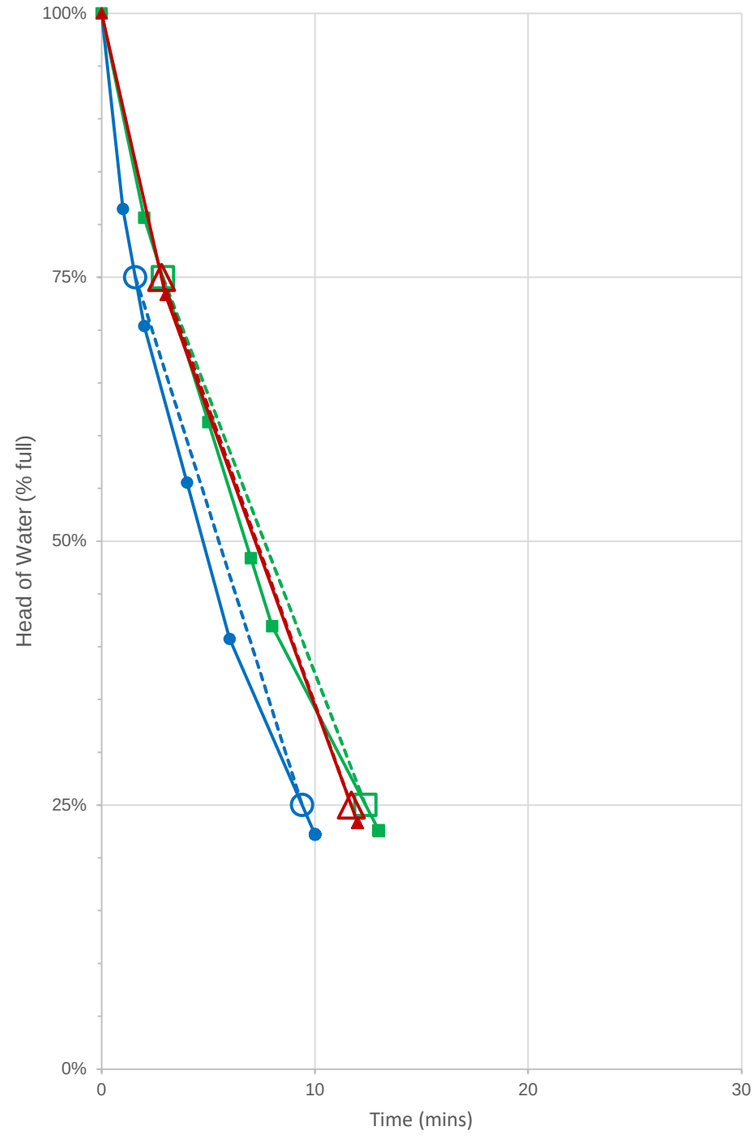
TEST PIT DIMENSIONS

Length		Width		Depth	
1.50	m	0.60	m	1.30	m

Comments:

	TEST 1		TEST 2		TEST 3	
Observation No.	Time (min)	Head (m)	Time (min)	Head (m)	Time (min)	Head (m)
1	0.00	0.270	0.00	0.310	0.00	0.300
2	1.00	0.220	2.00	0.250	3.00	0.220
3	2.00	0.190	5.00	0.190	12.00	0.070
4	4.00	0.150	7.00	0.150	-	-
5	6.00	0.110	8.00	0.130	-	-
6	10.00	0.060	13.00	0.070	-	-
7	-	-	-	-	-	-
8	-	-	-	-	-	-
9	-	-	-	-	-	-
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	-	-	-	-	-
13	-	-	-	-	-	-
14	-	-	-	-	-	-
15	-	-	-	-	-	-
16	-	-	-	-	-	-
17	-	-	-	-	-	-
18	-	-	-	-	-	-
19	-	-	-	-	-	-
20	-	-	-	-	-	-
21	-	-	-	-	-	-
22	-	-	-	-	-	-
23	-	-	-	-	-	-
24	-	-	-	-	-	-
25	-	-	-	-	-	-
$V_{p75\text{-}25}$ (m^3)	0.122		0.140		0.135	
a_{p50} (m^2)	1.467		1.551		1.530	
$t_{p75\text{-}25}$ (sec)	469		570		533	
f (m/sec)	0.000176593 1.77E-04		0.000157793 1.58E-04		0.000165467 1.65E-04	





Soil infiltration rate, $f = \frac{V_{p75-25}}{a_{p50} \times t_{p75-25}}$

Ground Investigation
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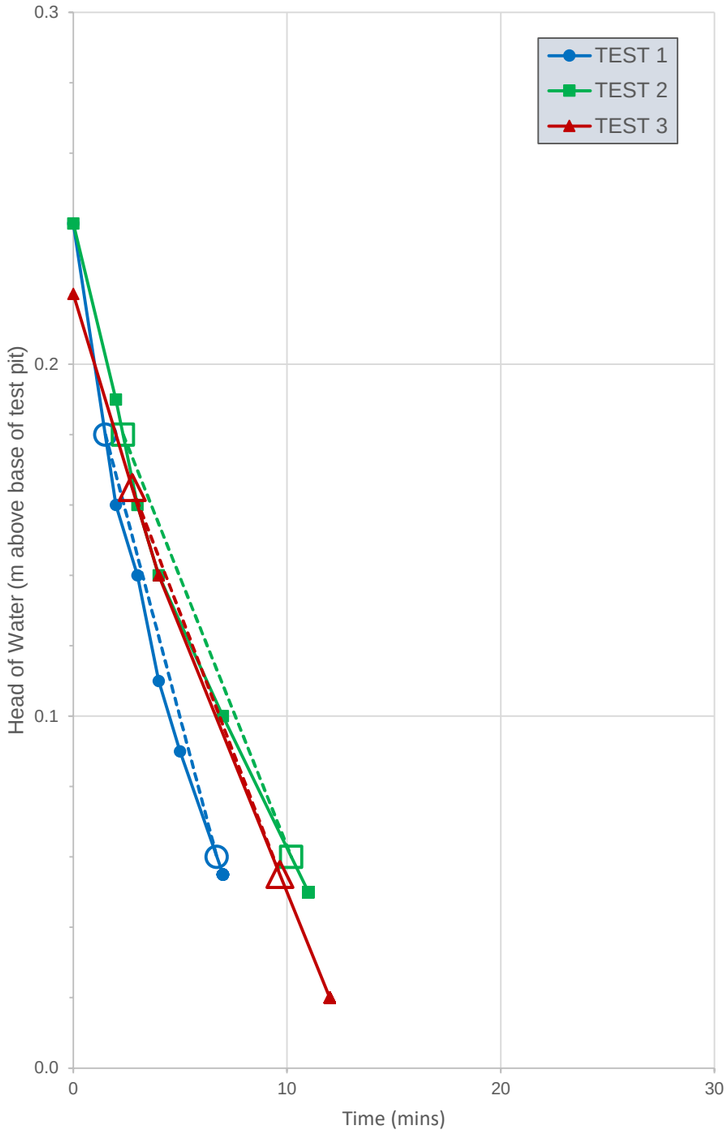
High Post, Salisbury — Test Location: TP/SA6

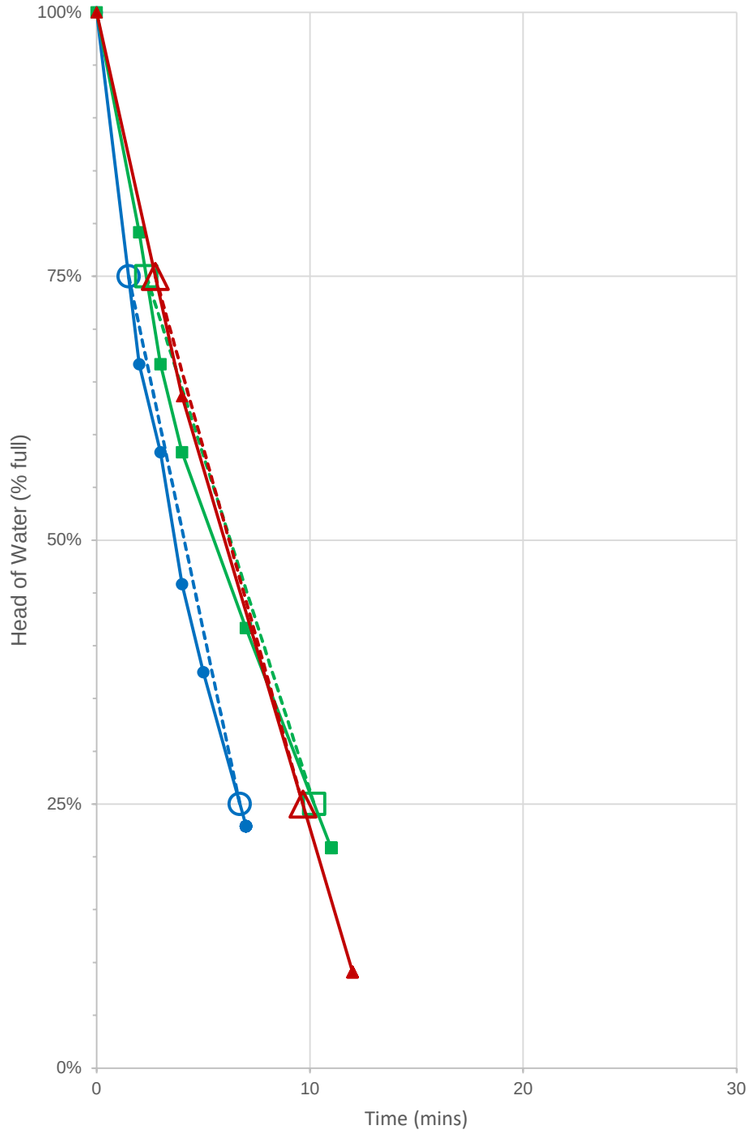
TEST PIT DIMENSIONS

Length		Width		Depth	
1.40	m	0.60	m	1.50	m

Comments:

	TEST 1		TEST 2		TEST 3	
Observation No.	Time (min)	Head (m)	Time (min)	Head (m)	Time (min)	Head (m)
1	0.00	0.240	0.00	0.240	0.00	0.220
2	2.00	0.160	2.00	0.190	4.00	0.140
3	3.00	0.140	3.00	0.160	12.00	0.020
4	4.00	0.110	4.00	0.140	-	-
5	5.00	0.090	7.00	0.100	-	-
6	7.00	0.055	11.00	0.050	-	-
7	-	-	-	-	-	-
8	-	-	-	-	-	-
9	-	-	-	-	-	-
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	-	-	-	-	-
13	-	-	-	-	-	-
14	-	-	-	-	-	-
15	-	-	-	-	-	-
16	-	-	-	-	-	-
17	-	-	-	-	-	-
18	-	-	-	-	-	-
19	-	-	-	-	-	-
20	-	-	-	-	-	-
21	-	-	-	-	-	-
22	-	-	-	-	-	-
23	-	-	-	-	-	-
24	-	-	-	-	-	-
25	-	-	-	-	-	-
$V_{p75\text{-}25}$ (m^3)	0.101		0.101		0.092	
a_{p50} (m^2)	1.320		1.320		1.280	
$t_{p75\text{-}25}$ (sec)	313		472		415	
f (m/sec)	0.000244085	2.44E-04	0.000161787	1.62E-04	0.000173946	1.74E-04





Soil infiltration rate, $f = \frac{V_{p75-25}}{a_{p50} \times t_{p75-25}}$

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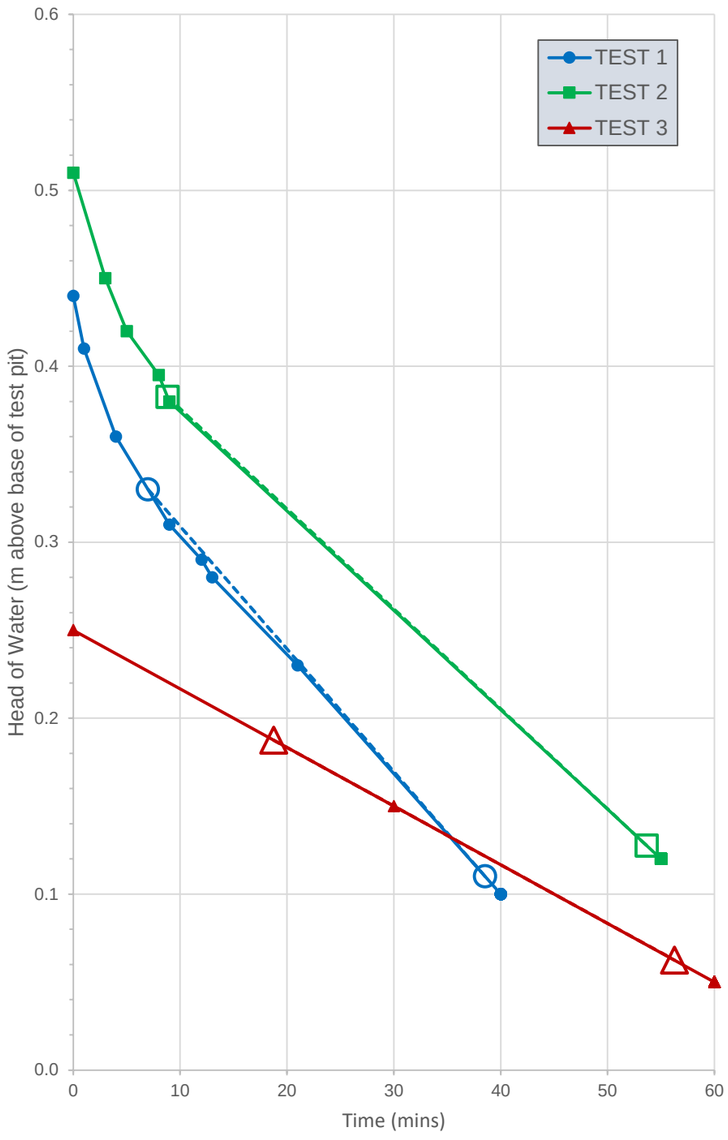
High Post, Salisbury — Test Location: TP/SA7

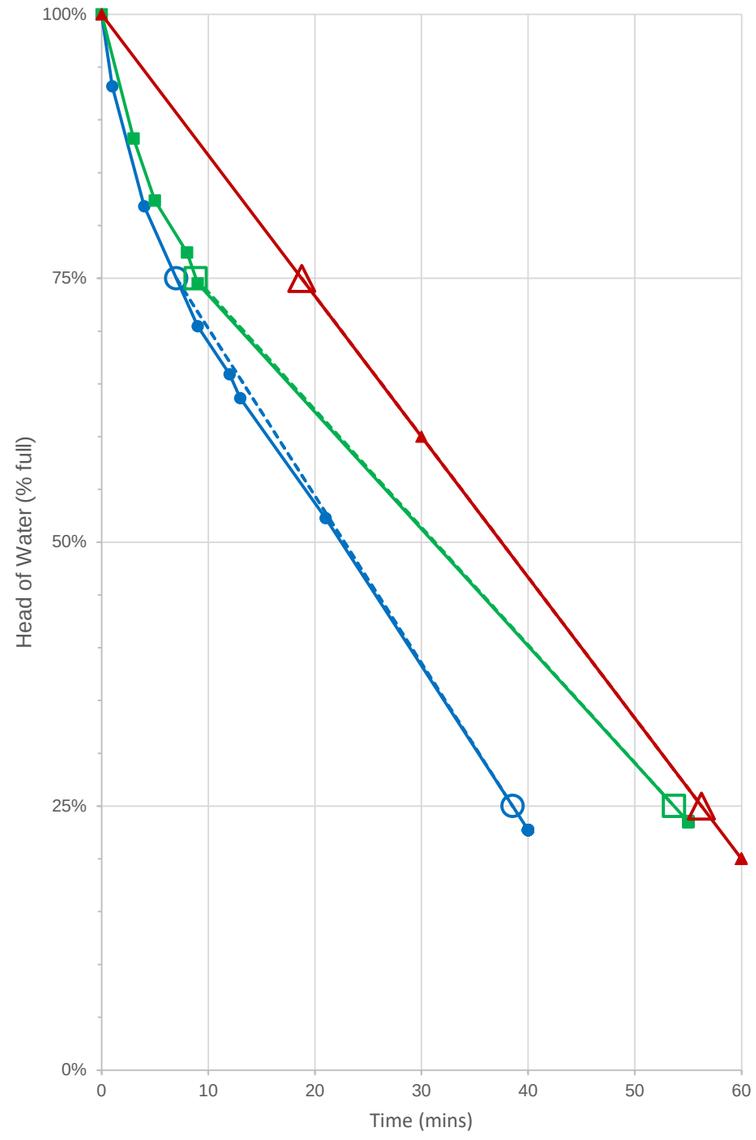
TEST PIT DIMENSIONS

Length		Width		Depth	
1.60	m	0.60	m	1.70	m

Comments:

	TEST 1		TEST 2		TEST 3	
Observation No.	Time (min)	Head (m)	Time (min)	Head (m)	Time (min)	Head (m)
1	0.00	0.440	0.00	0.510	0.00	0.250
2	1.00	0.410	3.00	0.450	30.00	0.150
3	4.00	0.360	5.00	0.420	60.00	0.050
4	9.00	0.310	8.00	0.395	-	-
5	12.00	0.290	9.00	0.380	-	-
6	13.00	0.280	55.00	0.120	-	-
7	21.00	0.230	-	-	-	-
8	40.00	0.100	-	-	-	-
9	-	-	-	-	-	-
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	-	-	-	-	-
13	-	-	-	-	-	-
14	-	-	-	-	-	-
15	-	-	-	-	-	-
16	-	-	-	-	-	-
17	-	-	-	-	-	-
18	-	-	-	-	-	-
19	-	-	-	-	-	-
20	-	-	-	-	-	-
21	-	-	-	-	-	-
22	-	-	-	-	-	-
23	-	-	-	-	-	-
24	-	-	-	-	-	-
25	-	-	-	-	-	-
$V_{p75\text{-}25}$ (m^3)	0.211		0.245		0.120	
a_{p50} (m^2)	1.928		2.082		1.510	
$t_{p75\text{-}25}$ (sec)	1,892		2,690		2,250	
f (m/sec)	0.000057889	5.79E-05	0.000043704	4.37E-05	0.000035320	3.53E-05





Soil infiltration rate, $f = \frac{V_{p75-25}}{a_{p50} \times t_{p75-25}}$

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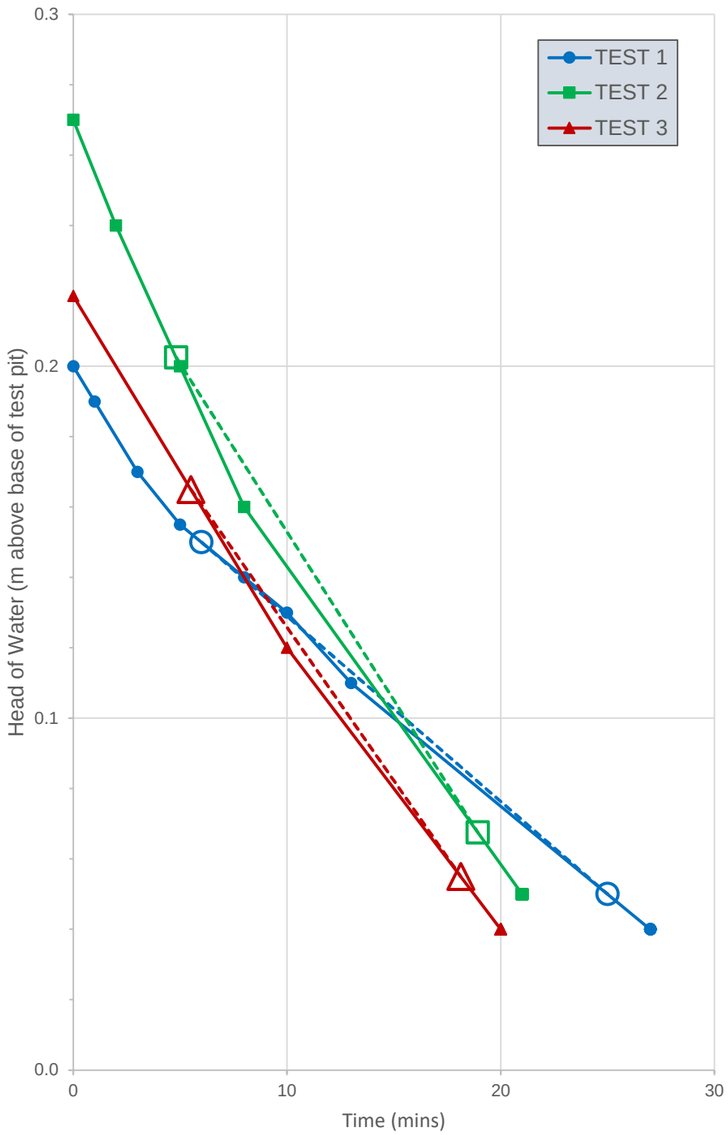
High Post, Salisbury — Test Location: TP/SA8

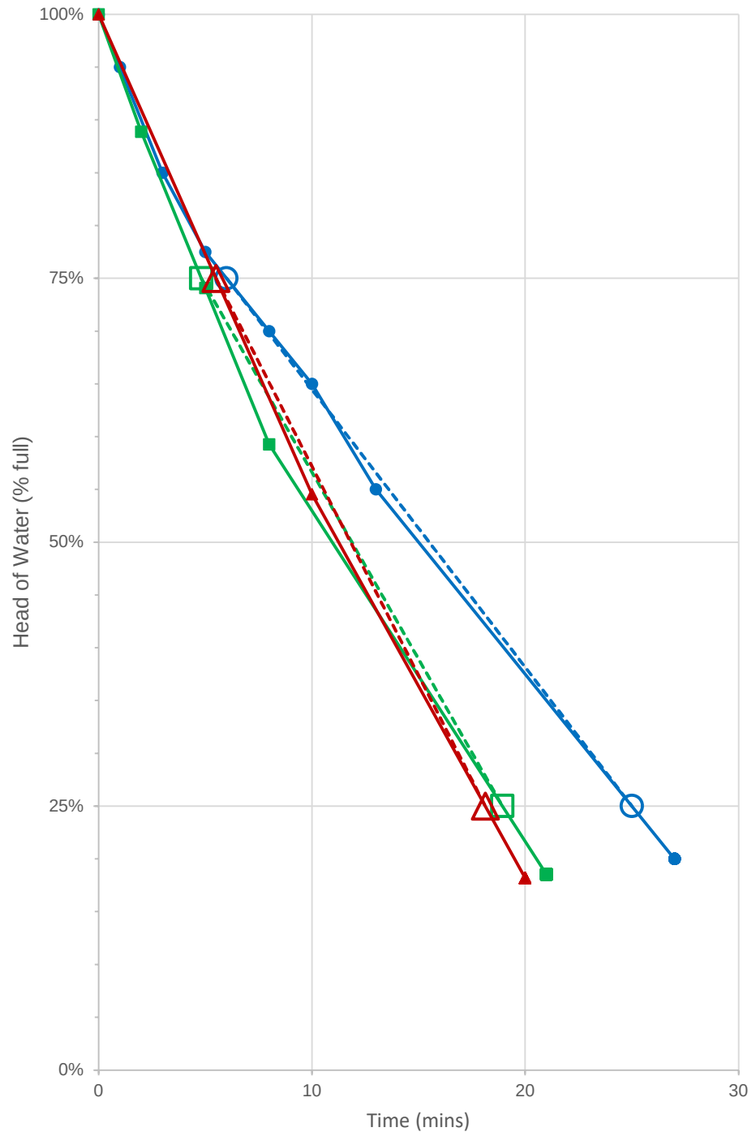
TEST PIT DIMENSIONS

Length		Width		Depth	
1.50	m	0.60	m	1.60	m

Comments:

	TEST 1		TEST 2		TEST 3	
Observation No.	Time (min)	Head (m)	Time (min)	Head (m)	Time (min)	Head (m)
1	0.00	0.200	0.00	0.270	0.00	0.220
2	1.00	0.190	2.00	0.240	10.00	0.120
3	3.00	0.170	5.00	0.200	20.00	0.040
4	5.00	0.155	8.00	0.160	-	-
5	8.00	0.140	21.00	0.050	-	-
6	10.00	0.130	-	-	-	-
7	13.00	0.110	-	-	-	-
8	27.00	0.040	-	-	-	-
9	-	-	-	-	-	-
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	-	-	-	-	-
13	-	-	-	-	-	-
14	-	-	-	-	-	-
15	-	-	-	-	-	-
16	-	-	-	-	-	-
17	-	-	-	-	-	-
18	-	-	-	-	-	-
19	-	-	-	-	-	-
20	-	-	-	-	-	-
21	-	-	-	-	-	-
22	-	-	-	-	-	-
23	-	-	-	-	-	-
24	-	-	-	-	-	-
25	-	-	-	-	-	-
$V_{p75\text{-}25}$ (m^3)	0.090		0.122		0.099	
a_{p50} (m^2)	1.320		1.467		1.362	
$t_{p75\text{-}25}$ (sec)	1,140		847		758	
f (m/sec)	0.000059809	5.98E-05	0.000097765	9.78E-05	0.000095957	9.60E-05





Soil infiltration rate, $f = \frac{V_{p75-25}}{a_{p50} \times t_{p75-25}}$

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APPENDIX G

Results of Chemical Laboratory Tests

Unit A2
Windmill Road
Ponswood Industrial Estate
St Leonards on Sea
East Sussex
TN38 9BY
Telephone: (01424) 718618

cs@elab-uk.co.uk
info@elab-uk.co.uk

THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number:	21-36455
Issue:	1
Date of Issue:	18/10/2021
Contact:	Dominic Hill
Customer Details:	Ground Investigation Limited Unit 3, Westfield Court Barns Ground Clevedon BristolBS21 6FO
Quotation No:	Q19-01634
Order No:	P1562
Customer Reference:	P1562
Date Received:	11/10/2021
Date Approved:	18/10/2021
Details:	High Post, Sailsbury
Approved by:	

Tim Reeve, Quality Officer

Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683

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Sample Summary

Report No.: 21-36455, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
253560	WS01 0.20	07/10/2021	11/10/2021	Silty loam	
253561	WS02 0.50	07/10/2021	11/10/2021	Silty loam	
253562	WS04 0.30	07/10/2021	11/10/2021	Silty loam	
253563	WS05 0.20	06/10/2021	11/10/2021	Silty loam	
253564	WS06 1.00	06/10/2021	11/10/2021	Chalk	
253565	WS07 0.30	06/10/2021	11/10/2021	Silty loam	
253566	WS10 0.30	06/10/2021	11/10/2021	Silty loam	
253567	WS12 0.30	06/10/2021	11/10/2021	Silty loam	
253568	WS14 0.20	07/10/2021	11/10/2021	Silty loam	
253569	TP09 0.50	07/10/2021	11/10/2021	Silty loam	
253570	WAC TS -	07/10/2021	11/10/2021	Silty loam	
253571	WAC SUB -	07/10/2021	11/10/2021	Silty loam	
253572	WAC MG -	07/10/2021	11/10/2021	Silty loam	

Results Summary

Report No.: 21-36455, issue number 1

	ELAB Reference	253560	253561	253562
	Customer Reference			
	Sample ID			
	Sample Type	SOIL	SOIL	SOIL
	Sample Location	WS01	WS02	WS04
	Sample Depth (m)	0.20	0.50	0.30
	Sampling Date	07/10/2021	07/10/2021	07/10/2021
Determinand	**Codes**	**Units**	**LOD**			
Soil sample preparation parameters						
Material removed	N	%	0.1	21.1	24.6	10.8
Description of Inert material removed	N		0	Stones	Stones	Stones
Metals						
Arsenic	M	mg/kg	1	7.9	9.1	8.2
Cadmium	M	mg/kg	0.5	0.5	< 0.5	0.6
Chromium	M	mg/kg	5	23.7	29.8	25.8
Copper	M	mg/kg	5	10.3	9.7	12.0
Lead	M	mg/kg	5	19.0	17.1	22.4
Mercury	M	mg/kg	0.5	< 0.5	< 0.5	< 0.5
Nickel	M	mg/kg	5	19.4	25.6	18.7
Selenium	M	mg/kg	1	< 1.0	< 1.0	< 1.0
Zinc	M	mg/kg	5	55.1	61.8	62.8
Anions						
Water Soluble Sulphate	M	g/l	0.02	0.03	< 0.02	0.02
Inorganics						
Hexavalent Chromium	N	mg/kg	0.8	< 0.8	< 0.8	< 0.8
Total Cyanide	M	mg/kg	1	< 1.0	< 1.0	< 1.0
Total Sulphur	N	%	0.01	0.03	0.02	0.04
Total Potential Sulphate	N	%	0.01	0.08	0.06	0.13
Acid Soluble Sulphate (SO4)	U	%	0.02	0.03	0.03	0.04
Water Soluble Boron	N	mg/kg	0.5	0.9	0.8	1.4
Miscellaneous						
Acid Neutralisation Capacity	N	mol/kg	0.1	n/t	n/t	n/t
Loss On Ignition (450°C)	M	%	0.01	n/t	n/t	n/t
pH	M	pH units	0.1	8.1	8.1	7.4
Soil Organic Matter	U	%	0.1	2.1	1.2	3.8
Total Organic Carbon	N	%	0.01	n/t	n/t	n/t

Tests marked N are not UKAS accredited.

Results Summary

Report No.: 21-36455, issue number 1

ELAB Reference	253560	253561	253562
Customer Reference			
Sample ID			
Sample Type	SOIL	SOIL	SOIL
Sample Location	WS01	WS02	WS04
Sample Depth (m)	0.20	0.50	0.30
Sampling Date	07/10/2021	07/10/2021	07/10/2021

Determinand	Codes	Units	LOD			
Phenols						
Total Phenols	N	mg/kg	6	< 6	< 6	< 6
Polyaromatic hydrocarbons						
Total PAH (Including Coronene GC-FID)	N	mg/kg	2	n/t	n/t	n/t
Naphthalene GCMS	N	mg/kg	0.01	< 0.01	0.01	< 0.01
Acenaphthylene GCMS	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01
Acenaphthene GCMS	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01
Fluorene GCMS	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01
Phenanthrene GCMS	N	mg/kg	0.01	0.01	0.02	0.01
Anthracene GCMS	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01
Fluoranthene GCMS	N	mg/kg	0.01	0.03	0.03	0.03
Pyrene GCMS	N	mg/kg	0.01	0.02	0.03	0.02
Benzo(a)anthracene GCMS	N	mg/kg	0.01	0.01	0.01	< 0.01
Chrysene GCMS	N	mg/kg	0.01	0.02	0.02	0.02
Benzo(b)fluoranthene GCMS	N	mg/kg	0.01	0.01	< 0.01	< 0.01
Benzo(k)fluoranthene GCMS	N	mg/kg	0.01	0.02	0.02	0.01
Benzo(a)pyrene GCMS	N	mg/kg	0.01	0.01	0.01	< 0.01
Indeno(1,2,3-cd)pyrene GCMS	N	mg/kg	0.01	0.01	< 0.01	< 0.01
Dibenzo(a,h)anthracene GCMS	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01
Benzo(g,h,i)perylene GCMS	N	mg/kg	0.01	0.01	< 0.01	< 0.01
Total PAH(16) GCMS	N	mg/kg	0.04	0.17	0.19	0.14
BTEX						
Benzene	M	ug/kg	10	< 10.0	< 10.0	< 10.0
Toluene	M	ug/kg	10	< 10.0	< 10.0	< 10.0
Ethylbenzene	M	ug/kg	10	< 10.0	< 10.0	< 10.0
Xylenes	M	ug/kg	10	< 10.0	< 10.0	< 10.0
MTBE	N	ug/kg	10	< 10.0	< 10.0	< 10.0
Total BTEX	N	mg/kg	0.01	n/t	n/t	n/t

Results Summary

Report No.: 21-36455, issue number 1

			ELAB Reference	253560	253561	253562
			Customer Reference			
			Sample ID			
			Sample Type	SOIL	SOIL	SOIL
			Sample Location	WS01	WS02	WS04
			Sample Depth (m)	0.20	0.50	0.30
			Sampling Date	07/10/2021	07/10/2021	07/10/2021
Determinand	**Codes**	**Units**	**LOD**			
TPH CWG						
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0
>C10-C12 Aliphatic	M	mg/kg	1	< 1.0	< 1.0	< 1.0
>C12-C16 Aliphatic	M	mg/kg	1	< 1.0	< 1.0	< 1.0
>C16-C21 Aliphatic	M	mg/kg	1	< 1.0	< 1.0	< 1.0
>C21-C35 Aliphatic	M	mg/kg	1	< 1.0	11.8	< 1.0
>C35-C40 Aliphatic	M	mg/kg	1	< 1.0	< 1.0	< 1.0
Total aliphatic hydrocarbons (>C5 - C40)	N	mg/kg	1	1.4	13.5	< 1.0
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aromatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0
>C10-C12 Aromatic	M	mg/kg	1	< 1.0	< 1.0	< 1.0
>C12-C16 Aromatic	M	mg/kg	1	< 1.0	1.1	< 1.0
>C16-C21 Aromatic	M	mg/kg	1	< 1.0	< 1.0	< 1.0
>C21-C35 Aromatic	M	mg/kg	1	3.6	8.0	< 1.0
>C35-C40 Aromatic	M	mg/kg	1	< 1.0	1.7	< 1.0
Total aromatic hydrocarbons (>C5 - C40)	N	mg/kg	1	5.5	12.0	1.2
Total petroleum hydrocarbons (>C5 - C40)	N	mg/kg	1	6.9	25.5	1.5
Total Petroleum Hydrocarbons						
Mineral Oil	M	mg/kg	5	n/t	n/t	n/t
PCB (ICES 7 congeners)						
PCB (Total of 7 Congeners)	M	mg/kg	0.03	n/t	n/t	n/t

Results Summary

Report No.: 21-36455, issue number 1

				ELAB Reference	253563	253564	253565	253566	253567	253568	253569	253570	253571	253572
				Customer Reference										
				Sample ID										
				Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Sample Location	WS05	WS06	WS07	WS10	WS12	WS14	TP09	WAC TS	WAC SUB	WAC MG
				Sample Depth (m)	0.20	1.00	0.30	0.30	0.30	0.20	0.50	-	-	-
				Sampling Date	06/10/2021	06/10/2021	06/10/2021	06/10/2021	06/10/2021	07/10/2021	07/10/2021	07/10/2021	07/10/2021	07/10/2021
Determinand	**Codes**	**Units**	**LOD**											
Soil sample preparation parameters														
Material removed	N	%	0.1		11.4	< 0.1	11.7	17.4	15.6	30.9	< 0.1	19.9	8.9	44.9
Description of Inert material removed	N		0		Stones	None	Stones	Stones	Stones	Stones	None	Stones	Stones	Stones
Metals														
Arsenic	M	mg/kg	1		10.0	^ < 1.0	8.9	10.3	9.4	21.4	10.6	n/t	n/t	n/t
Cadmium	M	mg/kg	0.5		0.7	^ 0.6	0.9	1.1	1.1	1.5	1.3	n/t	n/t	n/t
Chromium	M	mg/kg	5		34.8	^ 7.0	27.9	33.1	30.7	28.6	27.3	n/t	n/t	n/t
Copper	M	mg/kg	5		12.2	^ < 5.0	13.4	14.8	13.7	24.5	53.7	n/t	n/t	n/t
Lead	M	mg/kg	5		23.8	^ < 5.0	29.0	31.8	30.8	106	134	n/t	n/t	n/t
Mercury	M	mg/kg	0.5		< 0.5	^ < 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	n/t	n/t	n/t
Nickel	M	mg/kg	5		26.1	^ < 5.0	20.4	24.1	23.5	28.6	23.2	n/t	n/t	n/t
Selenium	M	mg/kg	1		< 1.0	^ < 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	n/t	n/t	n/t
Zinc	M	mg/kg	5		74.6	^ 19.7	70.1	76.4	81.6	121	245	n/t	n/t	n/t
Anions														
Water Soluble Sulphate	M	g/l	0.02		0.02	^ < 0.02	0.02	< 0.02	< 0.02	< 0.02	< 0.02	n/t	n/t	n/t
Inorganics														
Hexavalent Chromium	N	mg/kg	0.8		< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	n/t	n/t	n/t
Total Cyanide	M	mg/kg	1		< 1.0	^ < 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	n/t	n/t	n/t
Total Sulphur	N	%	0.01		0.01	0.02	0.04	0.04	0.04	0.05	0.14	n/t	n/t	n/t
Total Potential Sulphate	N	%	0.01		0.03	0.07	0.12	0.11	0.13	0.16	0.43	n/t	n/t	n/t
Acid Soluble Sulphate (SO4)	U	%	0.02		0.04	0.04	0.05	0.04	0.05	0.07	0.09	n/t	n/t	n/t
Water Soluble Boron	N	mg/kg	0.5		1.1	< 0.5	1.0	1.5	1.0	2.4	2.2	n/t	n/t	n/t
Miscellaneous														
Acid Neutralisation Capacity	N	mol/kg	0.1		n/t	< 0.1	n/t	n/t	n/t	n/t	n/t	< 0.1	< 0.1	< 0.1
Loss On Ignition (450°C)	M	%	0.01		n/t	^ 0.51	n/t	n/t	n/t	n/t	n/t	4.48	11.4	3.40
pH	M	pH units	0.1		7.2	^ 7.9	7.2	7.0	7.6	7.7	7.5	7.0	7.2	7.4
Soil Organic Matter	U	%	0.1		2.5	0.2	4.0	2.9	3.6	4.2	14	n/t	n/t	n/t
Total Organic Carbon	N	%	0.01		n/t	0.07	n/t	n/t	n/t	n/t	n/t	1.4	1.3	5.5

Tests marked N are not UKAS accredited.

Results Summary

Report No.: 21-36455, issue number 1

	ELAB Reference	253563	253564	253565	253566	253567	253568	253569	253570	253571	253572
	Customer Reference										
	Sample ID										
	Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sample Location	WS05	WS06	WS07	WS10	WS12	WS14	TP09	WAC TS	WAC SUB	WAC MG
	Sample Depth (m)	0.20	1.00	0.30	0.30	0.30	0.20	0.50	-	-	-
	Sampling Date	06/10/2021	06/10/2021	06/10/2021	06/10/2021	06/10/2021	07/10/2021	07/10/2021	07/10/2021	07/10/2021	07/10/2021
Determinand	**Codes**	**Units**	**LOD**								
Phenols											
Total Phenols	N	mg/kg	6	< 6	< 6	< 6	< 6	< 6	< 6	n/t	n/t	n/t
Polyaromatic hydrocarbons											
Total PAH (Including Coronene GC-FID)	N	mg/kg	2	n/t	< 2	n/t	n/t	n/t	n/t	n/t	< 2	< 2	18
Naphthalene GCMS	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.06	0.06	n/t	n/t	n/t
Acenaphthylene GCMS	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02	0.10	n/t	n/t	n/t
Acenaphthene GCMS	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.08	n/t	n/t	n/t
Fluorene GCMS	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	0.06	n/t	n/t	n/t
Phenanthrene GCMS	N	mg/kg	0.01	0.01	< 0.01	0.02	< 0.01	< 0.01	0.18	0.99	n/t	n/t	n/t
Anthracene GCMS	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.03	0.22	n/t	n/t	n/t
Fluoranthene GCMS	N	mg/kg	0.01	0.03	< 0.01	0.04	< 0.01	< 0.01	0.42	4.05	n/t	n/t	n/t
Pyrene GCMS	N	mg/kg	0.01	0.02	< 0.01	0.03	< 0.01	< 0.01	0.35	3.72	n/t	n/t	n/t
Benzo(a)anthracene GCMS	N	mg/kg	0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.27	2.20	n/t	n/t	n/t
Chrysene GCMS	N	mg/kg	0.01	0.01	< 0.01	0.02	< 0.01	< 0.01	0.34	2.55	n/t	n/t	n/t
Benzo(b)fluoranthene GCMS	N	mg/kg	0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.37	3.16	n/t	n/t	n/t
Benzo(k)fluoranthene GCMS	N	mg/kg	0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.40	2.77	n/t	n/t	n/t
Benzo(a)pyrene GCMS	N	mg/kg	0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.23	3.43	n/t	n/t	n/t
Indeno(1,2,3-cd)pyrene GCMS	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.16	2.23	n/t	n/t	n/t
Dibenzo(a,h)anthracene GCMS	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.07	0.94	n/t	n/t	n/t
Benzo(g,h,i)perylene GCMS	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.16	2.70	n/t	n/t	n/t
Total PAH(16) GCMS	N	mg/kg	0.04	0.13	< 0.04	0.18	< 0.04	< 0.04	3.09	29.3	n/t	n/t	n/t
BTEX											
Benzene	M	ug/kg	10	< 10.0	^ < 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	n/t	n/t	n/t
Toluene	M	ug/kg	10	< 10.0	^ < 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	n/t	n/t	n/t
Ethylbenzene	M	ug/kg	10	< 10.0	^ < 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	n/t	n/t	n/t
Xylenes	M	ug/kg	10	< 10.0	^ < 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	n/t	n/t	n/t
MTBE	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	n/t	n/t	n/t
Total BTEX	N	mg/kg	0.01	n/t	< 0.01	n/t	n/t	n/t	n/t	n/t	< 0.01	< 0.01	< 0.01

Tests marked N are not UKAS accredited.

Results Summary

Report No.: 21-36455, issue number 1

				ELAB Reference	253563	253564	253565	253566	253567	253568	253569	253570	253571	253572
				Customer Reference										
				Sample ID										
				Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Sample Location	WS05	WS06	WS07	WS10	WS12	WS14	TP09	WAC TS	WAC SUB	WAC MG
				Sample Depth (m)	0.20	1.00	0.30	0.30	0.30	0.20	0.50	-	-	-
				Sampling Date	06/10/2021	06/10/2021	06/10/2021	06/10/2021	06/10/2021	07/10/2021	07/10/2021	07/10/2021	07/10/2021	07/10/2021
Determinand	**Codes**	**Units**	**LOD**											
TPH CWG														
>C5-C6 Aliphatic	N	mg/kg	0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	n/t	n/t	n/t
>C6-C8 Aliphatic	N	mg/kg	0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	n/t	n/t	n/t
>C8-C10 Aliphatic	N	mg/kg	1		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	n/t	n/t	n/t
>C10-C12 Aliphatic	M	mg/kg	1		< 1.0	^ < 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	n/t	n/t	n/t
>C12-C16 Aliphatic	M	mg/kg	1		< 1.0	^ < 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	n/t	n/t	n/t
>C16-C21 Aliphatic	M	mg/kg	1		< 1.0	^ < 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	n/t	n/t	n/t
>C21-C35 Aliphatic	M	mg/kg	1		< 1.0	^ < 1.0	< 1.0	< 1.0	< 1.0	1.6	12.4	n/t	n/t	n/t
>C35-C40 Aliphatic	M	mg/kg	1		< 1.0	^ < 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.3	n/t	n/t	n/t
Total aliphatic hydrocarbons (>C5 - C40)	N	mg/kg	1		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.2	15.9	n/t	n/t	n/t
>C5-C7 Aromatic	N	mg/kg	0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	n/t	n/t	n/t
>C7-C8 Aromatic	N	mg/kg	0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	n/t	n/t	n/t
>C8-C10 Aromatic	N	mg/kg	1		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	n/t	n/t	n/t
>C10-C12 Aromatic	M	mg/kg	1		< 1.0	^ < 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	n/t	n/t	n/t
>C12-C16 Aromatic	M	mg/kg	1		< 1.0	^ < 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.0	n/t	n/t	n/t
>C16-C21 Aromatic	M	mg/kg	1		< 1.0	^ < 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.2	n/t	n/t	n/t
>C21-C35 Aromatic	M	mg/kg	1		< 1.0	^ < 1.0	< 1.0	< 1.0	< 1.0	2.7	49.7	n/t	n/t	n/t
>C35-C40 Aromatic	M	mg/kg	1		< 1.0	^ < 1.0	< 1.0	< 1.0	< 1.0	< 1.0	16.1	n/t	n/t	n/t
Total aromatic hydrocarbons (>C5 - C40)	N	mg/kg	1		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	4.0	72.0	n/t	n/t	n/t
Total petroleum hydrocarbons (>C5 - C40)	N	mg/kg	1		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	6.2	87.9	n/t	n/t	n/t
Total Petroleum Hydrocarbons														
Mineral Oil	M	mg/kg	5		n/t	^ < 5	n/t	n/t	n/t	n/t	n/t	< 5	< 5	113
PCB (ICES 7 congeners)														
PCB (Total of 7 Congeners)	M	mg/kg	0.03		n/t	^ < 0.03	n/t	n/t	n/t	n/t	n/t	< 0.03	< 0.03	< 0.03

Results Summary

Report No.: 21-36455, issue number 1

WAC Analysis								
Elab Ref:	253572					**Landfill Waste Acceptance Criteria Limits***		
Sample Date:	07/10/2021					**Inert Waste Landfill**	**Stable Non-reactive Hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Sample ID:	WAC MG							
Depth (m)	-							
Site:	High Post, Sailsbury							
Determinand		**Code**	**Units**					
Total Organic Carbon		N	%		5.50	3	5	6
Loss on Ignition		M	%		3.4	--	--	10
Total BTEX		M	mg/kg		< 0.01	6	--	--
Total PCBs (7 congeners)		M	mg/kg		< 0.03	1	--	--
TPH Total WAC		M	mg/kg		113	500	--	--
Total (of 17) PAHs		N	mg/kg		18.0	100	--	--
pH		M			7.4	--	>6	--
Acid Neutralisation Capacity		N	mol/kg		< 0.1	--	To evaluate	To evaluate
Eluate Analysis			**10:1**		**10:1**	**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg**		
			mg/l		**mg/kg**			
Arsenic		N	0.009		0.09	0.5	2	25
Barium		N	0.010		0.10	20	100	300
Cadmium		N	< 0.001		< 0.01	0.04	1	5
Chromium		N	< 0.005		< 0.05	0.5	10	70
Copper		N	< 0.005		< 0.05	2	50	100
Mercury		N	< 0.005		< 0.01	0.01	0.2	2
Molybdenum		N	< 0.005		< 0.05	0.5	10	30
Nickel		N	< 0.001		< 0.05	0.4	10	40
Lead		N	< 0.001		< 0.05	0.5	10	50
Antimony		N	< 0.005		< 0.05	0.06	0.7	5
Selenium		N	< 0.005		< 0.05	0.1	0.5	7
Zinc		N	< 0.005		< 0.05	4	50	200
Chloride		N	< 5		< 50	800	15000	25000
Fluoride		N	< 5		< 10	10	150	500
Sulphate		N	2		24.20	1000	20000	50000
Total Dissolved Solids		N	92		919.00	4000	60000	100000
Phenol Index		N	< 0.01		< 0.10	1	-	-
Dissolved Organic Carbon		N	18.500		185.00	500	800	1000
Leach Test Information								
pH		N	7.3					
Conductivity (uS/cm)		N	137					
Dry mass of test portion (g)			100.000					
Dry Matter (%)			73					
Moisture (%)			37					
Eluent Volume (ml)			942					

Results are expressed on a dry weight basis, after correction for moisture content where applicable

* Stated limits are for guidance only, and not for conformity assessment.

Results Summary

Report No.: 21-36455, issue number 1

WAC Analysis								
Elab Ref:	253571					**Landfill Waste Acceptance Criteria Limits***		
Sample Date:	07/10/2021					**Inert Waste Landfill**	**Stable Non-reactive Hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Sample ID:	WAC SUB							
Depth (m)	-							
Site:	High Post, Sailsbury							
Determinand		**Code**	**Units**					
Total Organic Carbon		N	%		1.30	3	5	6
Loss on Ignition		M	%		11.4	--	--	10
Total BTEX		M	mg/kg		< 0.01	6	--	--
Total PCBs (7 congeners)		M	mg/kg		< 0.03	1	--	--
TPH Total WAC		M	mg/kg		< 5	500	--	--
Total (of 17) PAHs		N	mg/kg		< 2	100	--	--
pH		M			7.2	--	>6	--
Acid Neutralisation Capacity		N	mol/kg		< 0.1	--	To evaluate	To evaluate
Eluate Analysis			**10:1**		**10:1**	**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg**		
			mg/l		**mg/kg**			
Arsenic		N	< 0.005		< 0.05	0.5	2	25
Barium		N	< 0.005		< 0.05	20	100	300
Cadmium		N	< 0.001		< 0.01	0.04	1	5
Chromium		N	< 0.005		< 0.05	0.5	10	70
Copper		N	< 0.005		< 0.05	2	50	100
Mercury		N	< 0.005		< 0.01	0.01	0.2	2
Molybdenum		N	< 0.005		< 0.05	0.5	10	30
Nickel		N	< 0.001		< 0.05	0.4	10	40
Lead		N	< 0.001		< 0.05	0.5	10	50
Antimony		N	< 0.005		< 0.05	0.06	0.7	5
Selenium		N	< 0.005		< 0.05	0.1	0.5	7
Zinc		N	< 0.005		< 0.05	4	50	200
Chloride		N	< 5		< 50	800	15000	25000
Fluoride		N	< 5		< 10	10	150	500
Sulphate		N	2		24.30	1000	20000	50000
Total Dissolved Solids		N	40		404.00	4000	60000	100000
Phenol Index		N	< 0.01		< 0.10	1	-	-
Dissolved Organic Carbon		N	13.500		135.00	500	800	1000
Leach Test Information								
pH		N	7.3					
Conductivity (uS/cm)		N	60					
Dry mass of test portion (g)			100.000					
Dry Matter (%)			80					
Moisture (%)			25					
Eluent Volume (ml)			956					

Results are expressed on a dry weight basis, after correction for moisture content where applicable

* Stated limits are for guidance only, and not for conformity assessment.

Results Summary

Report No.: 21-36455, issue number 1

WAC Analysis								
Elab Ref:	253570					**Landfill Waste Acceptance Criteria Limits***		
Sample Date:	07/10/2021					**Inert Waste Landfill**	**Stable Non-reactive Hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Sample ID:	WAC TS							
Depth (m)	-							
Site:	High Post, Sailsbury							
Determinand		**Code**	**Units**					
Total Organic Carbon		N	%		1.40	3	5	6
Loss on Ignition		M	%		4.5	--	--	10
Total BTEX		M	mg/kg		< 0.01	6	--	--
Total PCBs (7 congeners)		M	mg/kg		< 0.03	1	--	--
TPH Total WAC		M	mg/kg		< 5	500	--	--
Total (of 17) PAHs		N	mg/kg		< 2	100	--	--
pH		M			7.0	--	>6	--
Acid Neutralisation Capacity		N	mol/kg		< 0.1	--	To evaluate	To evaluate
Eluate Analysis			**10:1**		**10:1**	**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg**		
			mg/l		**mg/kg**			
Arsenic		N	< 0.005		< 0.05	0.5	2	25
Barium		N	< 0.005		< 0.05	20	100	300
Cadmium		N	< 0.001		< 0.01	0.04	1	5
Chromium		N	< 0.005		< 0.05	0.5	10	70
Copper		N	< 0.005		< 0.05	2	50	100
Mercury		N	< 0.005		< 0.01	0.01	0.2	2
Molybdenum		N	< 0.005		< 0.05	0.5	10	30
Nickel		N	< 0.001		< 0.05	0.4	10	40
Lead		N	< 0.001		< 0.05	0.5	10	50
Antimony		N	< 0.005		< 0.05	0.06	0.7	5
Selenium		N	< 0.005		< 0.05	0.1	0.5	7
Zinc		N	< 0.005		< 0.05	4	50	200
Chloride		N	< 5		< 50	800	15000	25000
Fluoride		N	< 5		< 10	10	150	500
Sulphate		N	2		20.70	1000	20000	50000
Total Dissolved Solids		N	58		582.00	4000	60000	100000
Phenol Index		N	< 0.01		< 0.10	1	-	-
Dissolved Organic Carbon		N	14.900		149.00	500	800	1000
Leach Test Information								
pH		N	7.3					
Conductivity (uS/cm)		N	87					
Dry mass of test portion (g)			100.000					
Dry Matter (%)			81					
Moisture (%)			24					
Eluent Volume (ml)			960					

Results are expressed on a dry weight basis, after correction for moisture content where applicable

* Stated limits are for guidance only, and not for conformity assessment.

Results Summary

Report No.: 21-36455, issue number 1

WAC Analysis								
Elab Ref:	253564					**Landfill Waste Acceptance Criteria Limits***		
Sample Date:	06/10/2021					**Inert Waste Landfill**	**Stable Non-reactive Hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Sample ID:	WS06							
Depth (m)	1							
Site:	High Post, Sailsbury							
Determinand		**Code**	**Units**					
Total Organic Carbon		N	%		0.07	3	5	6
Loss on Ignition		M	%		0.5	--	--	10
Total BTEX		M	mg/kg		< 0.01	6	--	--
Total PCBs (7 congeners)		M	mg/kg		< 0.03	1	--	--
TPH Total WAC		M	mg/kg		< 5	500	--	--
Total (of 17) PAHs		N	mg/kg		< 2	100	--	--
pH		M			7.9	--	>6	--
Acid Neutralisation Capacity		N	mol/kg		< 0.1	--	To evaluate	To evaluate
Eluate Analysis			**10:1**		**10:1**	**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg**		
			mg/l		**mg/kg**			
Arsenic		N	< 0.005		< 0.05	0.5	2	25
Barium		N	< 0.005		< 0.05	20	100	300
Cadmium		N	< 0.001		< 0.01	0.04	1	5
Chromium		N	< 0.005		< 0.05	0.5	10	70
Copper		N	< 0.005		< 0.05	2	50	100
Mercury		N	< 0.005		< 0.01	0.01	0.2	2
Molybdenum		N	< 0.005		< 0.05	0.5	10	30
Nickel		N	< 0.001		< 0.05	0.4	10	40
Lead		N	< 0.001		< 0.05	0.5	10	50
Antimony		N	< 0.005		< 0.05	0.06	0.7	5
Selenium		N	< 0.005		< 0.05	0.1	0.5	7
Zinc		N	< 0.005		< 0.05	4	50	200
Chloride		N	< 5		< 50	800	15000	25000
Fluoride		N	< 5		< 10	10	150	500
Sulphate		N	< 1		< 10.0	1000	20000	50000
Total Dissolved Solids		N	61		610.00	4000	60000	100000
Phenol Index		N	< 0.01		< 0.10	1	-	-
Dissolved Organic Carbon		N	9.580		96.00	500	800	1000
Leach Test Information								
pH		N	7.5					
Conductivity (uS/cm)		N	91					
Dry mass of test portion (g)			100.000					
Dry Matter (%)			81					
Moisture (%)			24					
Eluent Volume (ml)			959					

Results are expressed on a dry weight basis, after correction for moisture content where applicable

* Stated limits are for guidance only, and not for conformity assessment.

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards on Sea, East Sussex, TN38 9BY
Tel: +44 (0)1424 718618, Email: info@elab-uk.co.uk, Web: www.elab-uk.co.uk

Results Summary

Report No.: 21-36455, issue number 1

Asbestos Results

Analytical result only applies to the sample as submitted by the client. Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client.

Elab No	Depth (m)	Clients Reference	Description of Sample Matrix #	Asbestos Identification	Gravimetric Analysis Total (%)	Gravimetric Analysis by ACM Type (%)	Free Fibre Analysis (%)	Total Asbestos (%)
253560	0.20	WS01	Brown soil, stones, chalk	No asbestos detected	n/t	n/t	n/t	n/t
253561	0.50	WS02	Brown soil, stones	No asbestos detected	n/t	n/t	n/t	n/t
253562	0.30	WS04	Brown soil, stones	No asbestos detected	n/t	n/t	n/t	n/t
253563	0.20	WS05	Brown soil, stones	No asbestos detected	n/t	n/t	n/t	n/t
253564	1.00	WS06	Chalk	No asbestos detected	n/t	n/t	n/t	n/t
253565	0.30	WS07	Brown soil, stones	No asbestos detected	n/t	n/t	n/t	n/t
253566	0.30	WS10	Brown soil, stones, chalk	No asbestos detected	n/t	n/t	n/t	n/t
253567	0.30	WS12	Brown soil, stones, chalk	No asbestos detected	n/t	n/t	n/t	n/t
253568	0.20	WS14	Brown sandy soil, stones, chalk, organics	No asbestos detected	n/t	n/t	n/t	n/t
253569	0.50	TP09	Brown sandy soil, stones	No asbestos detected	n/t	n/t	n/t	n/t

Method Summary

Report No.: 21-36455, issue number 1

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
PAH (GC-MS)	N	As submitted sample	13/10/2021		GC-MS
Hexavalent chromium	N	As submitted sample	13/10/2021	110	Colorimetry
Acid Soluble Sulphate	U	Air dried sample	15/10/2021	115	Ion Chromatography
Aqua regia extractable metals	M	Air dried sample	13/10/2021	118	ICPMS
Phenols in solids	N	As submitted sample	13/10/2021	121	HPLC
Water soluble anions	M	Air dried sample	13/10/2021	172	Ion Chromatography
Low range Aliphatic hydrocarbons soil	N	As submitted sample	18/10/2021	181	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	18/10/2021	181	GC-MS
Water soluble boron	N	Air dried sample	13/10/2021	202	Colorimetry
Total cyanide	M	As submitted sample	13/10/2021	204	Colorimetry
TPH CWG soil by gc-gc	M	As submitted sample	12/10/2021	271	
Asbestos identification	U	Air dried sample	14/10/2021	280	Microscopy
Soil organic matter	U	Air dried sample	14/10/2021	BS1377:P3	Titrimetry
Leachate					
Arsenic	N		15/10/2021	301	ICPMS
Cadmium	N		15/10/2021	301	ICPMS
Chromium	N		15/10/2021	301	ICPMS
Lead	N		15/10/2021	301	ICPMS
Nickel	N		15/10/2021	301	ICPMS
Copper	N		15/10/2021	301	ICPMS
Zinc	N		15/10/2021	301	ICPMS
Mercury	N		15/10/2021	301	ICPMS
Selenium	N		15/10/2021	301	ICPMS
Antimony	N		15/10/2021	301	ICPMS
Barium	N		15/10/2021	301	ICPMS
Molybdenum	N		15/10/2021	301	ICPMS
pH Value	N		15/10/2021	113	Electrometric
Electrical Conductivity	N		15/10/2021	136	Probe
Dissolved Organic Carbon	N		15/10/2021	102	TOC analyser
Chloride	N		15/10/2021	131	Ion Chromatography
Fluoride	N		15/10/2021	131	Ion Chromatography
Sulphate	N		15/10/2021	131	Ion Chromatography
Total Dissolved Solids	N		15/10/2021	144	Gravimetric
Phenol index	N		15/10/2021	121	HPLC
WAC Solids analysis	N				
pH Value	M	Air dried sample	15/10/2021	113	Electrometric
Total Organic Carbon	N	Air dried sample	13/10/2021	210	IR
Loss on Ignition	M	Air dried sample	15/10/2021	129	Gravimetric
Acid Neutralization Capacity to pH 7	N	Air dried sample	15/10/2021	NEN 737	Electrometric
Total BTEX	M	As submitted sample	18/10/2021	181	GCMS
Mineral Oil	M	As submitted sample	13/10/2021	117	GCFID
Total PCBs (7 congeners)	M	Air dried sample	13/10/2021	120	GCMS
Total PAH (17)	N	As submitted sample	15/10/2021	133	GCFID

Tests marked N are not UKAS accredited

Report Information

Report No.: 21-36455, issue number 1

Key

U	hold UKAS accreditation
M	hold MCERTS and UKAS accreditation
N	do not currently hold UKAS accreditation
^	MCERTS accreditation not applicable for sample matrix
*	UKAS accreditation not applicable for sample matrix
S	Subcontracted to approved laboratory UKAS Accredited for the test
SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
NS	Subcontracted to approved laboratory. UKAS accreditation is not applicable.
I/S	Insufficient Sample
U/S	Unsuitable sample
n/t	Not tested
<	means "less than"
>	means "greater than"
LOD	LOD refers to limit of detection, except in the case of pH soils and pH waters where it means limit of discrimination.

Soil sample results are expressed on an air dried basis (dried at < 30°C), and are uncorrected for inert material removed.

ELAB are unable to provide an interpretation or opinion on the content of this report.

The results relate only to the sample received.

PCB congener results may include any coeluting PCBs

Uncertainty of measurement for the determinands tested are available upon request

Unless otherwise stated, sample information has been provided by the client. This may affect the validity of the results.

Deviation Codes

a	No date of sampling supplied
b	No time of sampling supplied (Waters Only)
c	Sample not received in appropriate containers
d	Sample not received in cooled condition
e	The container has been incorrectly filled
f	Sample age exceeds stability time (sampling to receipt)
g	Sample age exceeds stability time (sampling to analysis)

Where a sample has a deviation code, the applicable test result may be invalid.

Sample Retention and Disposal

All soil samples will be retained for a period of one month

All water samples will be retained for 7 days following the date of the test report

Charges may apply to extended sample storage

APPENDIX H

Results of Geotechnical Laboratory Tests

Laboratory Report

2788

GEO Site & Testing Services Ltd

Contract Number: 56305

Client Ref: **P1562**
Client PO:

Report Date: **02-11-2021**

Client **Ground Investigation Limited**
Unit 3, Westfield Court
Barns Ground
Kenn
Clevedon
BS21 6FQ

Contract Title: **High Post, Salisbury**
For the attention of: **Dominic Hill**

Date Received: **18-10-2021**
Date Completed: **02-11-2021**

Test Description	Qty
Moisture Content of Soil BS1377 : Part 2 : Clause 3.2 : 1990 - * UKAS	15
4 Point Liquid & Plastic Limit BS 1377:1990 - Part 2 : 4.3 & 5.3 - * UKAS	15
BRE Reduced Suite **includes pH, water & acid soluble sulphate and total sulphur** Sub-contracted Test	15
Samples Received - @ Non Accredited Test	15
Disposal of samples for job	1

Notes: **Observations and Interpretations are outside the UKAS Accreditation**
*** - denotes test included in laboratory scope of accreditation**
 # - denotes test carried out by approved contractor
@ - denotes non accredited tests

This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

Approved Signatories:
Emma Sharp (Business Support Manager) - Paul Evans (Director) - Richard John (Quality/Technical Manager)
Shaun Jones (Laboratory manager) - Shaun Thomas (Site Manager) - Wayne Honey (Quality Assistant / Administrator / Health and Safety Coordinator)

GEO Site & Testing Services Ltd
Unit 3-4, Heol Aur, Dafen Ind Estate, Dafen, Llanelli, Carmarthenshire SA14 8QN
Tel: 01554 784040 Fax: 01554 784041 info@gstl.co.uk gstl.co.uk

GSTL	NATURAL MOISTURE, LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX (BS 1377:1990 - Part 2 : 4.3 & 5.3)	
Contract Number	56305	
Site Name	High Post, Salisbury	
Date Tested	23/10/2021	
	DESCRIPTIONS	

Sample/Hole Reference	Sample Number	Sample Type	Depth (m)			Descriptions
WS01	1	D	1.00	-		Brown fine to medium gravelly sandy chalky CLAY
WS02	1	D	0.80	-		Brown fine to medium gravelly sandy silty CLAY
WS03	1	D	0.95	-		Brown fine to medium sandy CLAY
WS04	1	D	0.90	-		Brown fine to medium gravelly sandy silty CLAY
WS06	1	D	0.90	-		Brown fine to medium gravelly sandy silty CLAY
WS09	1	D	0.80	-		Brown sandy silty fine to medium gravelly CLAY
WS14	1	D	0.80	-		Brown fine to medium gravelly chalky CLAY
WS01		D	1.80	-	2.00	White clayey CHALK
WS02		D	1.20	-		White clayey CHALK
WS04		D	1.80	-	2.00	White clayey CHALK
WS06		D	2.00	-		White clayey CHALK
WS07		D	1.00	-		White clayey CHALK
WS08		D	0.80	-		White slightly clayey gravelly SAND
WS09		D	1.80	-	2.00	White slightly clayey CHALK
WS12		D	1.00	-		White/ brown chalky CLAY
				-		
				-		
				-		
				-		
				-		
				-		
				-		
				-		
				-		

Operators	Checked	02/11/2021	Richard John (Advanced Testing Manager)
Dean Smith	Approved	02/11/2021	Paul Evans (Quality/Technical Manager)

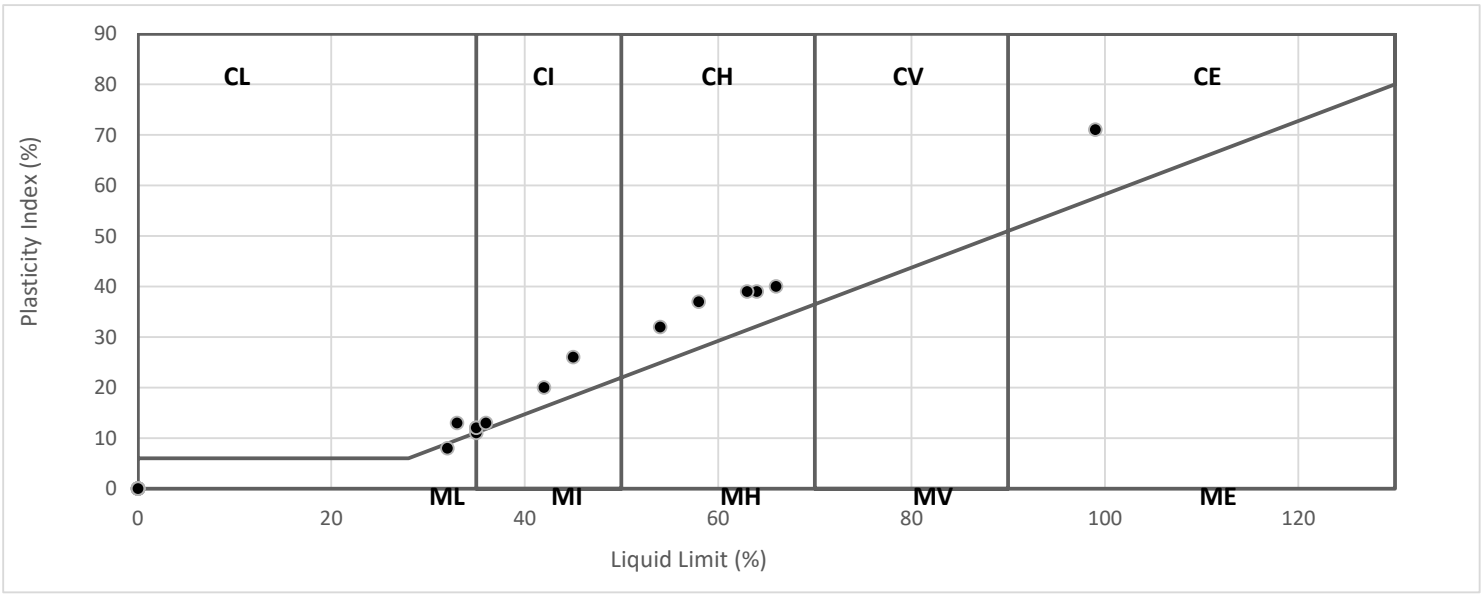
UKAS TESTING
2788

GSTL	NATURAL MOISTURE, LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX (BS 1377:1990 - Part 2 : 4.3 & 5.3)	
Contract Number	56305	
Project Location	High Post, Salisbury	
Date Tested	23/10/2021	

Sample/Hole Reference	Sample Number	Sample Type	Depth (m)			Moisture Content %	Liquid Limit %	Plastic Limit %	Plasticity index %	Passing 0.425mm %	Remarks
WS01	1	D	1.00	-		22	64	25	39	70	CH High Plasticity
WS02	1	D	0.80	-		19	58	21	37	68	CH High Plasticity
WS03	1	D	0.95	-		22	54	22	32	68	CH High Plasticity
WS04	1	D	0.90	-		36	99	28	71	60	CE Extremely High Plasticity
WS06	1	D	0.90	-		55	63	24	39	65	CH High Plasticity
WS09	1	D	0.80	-		27	66	26	40	69	CH High Plasticity
WS14	1	D	0.80	-		20	33	20	13	65	CL Low Plasticity
WS01		D	1.80	-	2.00	22	32	24	8	60	ML Low Plasticity
WS02		D	1.20	-		24	42	22	20	55	CI Intermediate Plasticity
WS04		D	1.80	-	2.00	25	35	23	12	60	CL/I Low/Inter. Plasticity
WS06		D	2.00	-		24	35	24	11	70	ML/I Low/Inter. Plasticity
WS07		D	1.00	-		28	35	23	12	60	CL/I Low/Inter. Plasticity
WS08		D	0.80	-		14		NP		20	
WS09		D	1.80	-	2.00	26	36	23	13	70	CI Intermediate Plasticity
WS12		D	1.00	-		29	45	19	26	56	CI Intermediate Plasticity
				-							
				-							
				-							
				-							
				-							
				-							
				-							
				-							
				-							

Symbols: NP : Non Plastic # : Liquid Limit and Plastic Limit Wet Sieved

PLASTICITY CHART FOR CASAGRANDE CLASSIFICATION
BS 5930:1999+A2:2010



Operators	Checked	02/11/2021	Richard John (Advanced Testing Manager)
Dean Smith	Approved	02/11/2021	Paul Evans (Quality/Technical Manager)

UKAS TESTING
2788

Certificate of Analysis

Certificate Number	21-22625	*Issued:*	01-Nov-21

Client GEO Site and Testing Services Ltd
Unit 4
Heol Aur
Dafen Ind Est
Dafen
Carmarthenshire
SA14 8QN

Our Reference 21-22625

Client Reference P1562

Order No (not supplied)

Contract Title High Post, Salisbury

Description 15 Soil samples.

Date Received 22-Oct-21

Date Started 22-Oct-21

Date Completed 01-Nov-21

Test Procedures Identified by prefix DETSn (details on request).

Notes Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

Approved By

Adam Fenwick
Contracts Manager

UKAS TESTING
2139

Summary of Chemical Analysis
Soil Samples

Our Ref 21-22625
Client Ref P1562
Contract Title High Post, Salisbury

			Lab No	1924012	1924013	1924014	1924015	1924016	1924017	1924018	1924019	1924020	1924021	1924022
			.Sample ID	WS01	WS02	WS03	WS04	WS06	WS09	WS14	WS01	WS02	WS04	WS06
			Depth	1.00	0.80	0.95	0.90	0.90	0.80	0.80	1.80-2.00	1.20	1.80-2.00	2.00
			Other ID	1	1	1	1	1	1	1				
			Sample Type	D	D	D	D	D	D	D	D	D	D	D
			Sampling Date	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s
			Sampling Time	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s
Test	**Method**	**LOD**	**Units**											
Inorganics														
pH	DETSC 2008#		pH	7.8	7.7	7.8	7.7	7.8	7.7	8.7	8.3	8.2	8.7	8.7
Sulphate Aqueous Extract as SO4	DETSC 2076#	10	mg/l	10	< 10	12	< 10	< 10	11	< 10	< 10	< 10	< 10	< 10
Sulphur as S, Total	DETSC 2320	0.01	%	0.01	0.01	0.02	< 0.01	< 0.01	< 0.01	< 0.01	0.02	0.02	0.01	0.01
Sulphate as SO4, Total	DETSC 2321#	0.01	%	0.04	0.03	0.05	0.03	0.04	0.03	0.03	0.05	0.04	0.04	0.04

Key: # -MCERTS (accreditation only applies if report carries the MCERTS logo). n/s -not supplied.

Summary of Chemical Analysis
Soil Samples

Our Ref 21-22625
Client Ref P1562
Contract Title High Post, Salisbury

			Lab No	1924023	1924024	1924025	1924026
			.Sample ID	WS07	WS08	WS09	WS12
			Depth	1.00	0.80	1.80-2.00	1.00
			Other ID				
			Sample Type	D	D	D	D
			Sampling Date	n/s	n/s	n/s	n/s
			Sampling Time	n/s	n/s	n/s	n/s
Test	**Method**	**LOD**	**Units**				
Inorganics							
pH	DETSC 2008#		pH	8.3	8.1	8.7	8.0
Sulphate Aqueous Extract as SO4	DETSC 2076#	10	mg/l	< 10	< 10	< 10	< 10
Sulphur as S, Total	DETSC 2320	0.01	%	0.02	0.02	0.01	0.02
Sulphate as SO4, Total	DETSC 2321#	0.01	%	0.04	0.05	0.05	0.06

Key: # -MCERTS (accreditation only applies if report carries the MCERTS logo). n/s -not supplied.

Information in Support of the Analytical Results

Our Ref 21-22625
Client Ref P1562
Contract High Post, Salisbury

Containers Received & Deviating Samples

Lab No	Sample ID	Date Sampled	Containers Received	Holding time exceeded for tests	Inappropriate container for tests
1924012	WS01 1.00 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), Total Sulphur ICP (7 days), Total Sulphate ICP (30 days), Metals ICP Prep (182 days), pH + Conductivity (7 days)	
1924013	WS02 0.80 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), Total Sulphur ICP (7 days), Total Sulphate ICP (30 days), Metals ICP Prep (182 days), pH + Conductivity (7 days)	
1924014	WS03 0.95 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), Total Sulphur ICP (7 days), Total Sulphate ICP (30 days), Metals ICP Prep (182 days), pH + Conductivity (7 days)	
1924015	WS04 0.90 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), Total Sulphur ICP (7 days), Total Sulphate ICP (30 days), Metals ICP Prep (182 days), pH + Conductivity (7 days)	
1924016	WS06 0.90 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), Total Sulphur ICP (7 days), Total Sulphate ICP (30 days), Metals ICP Prep (182 days), pH + Conductivity (7 days)	
1924017	WS09 0.80 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), Total Sulphur ICP (7 days), Total Sulphate ICP (30 days), Metals ICP Prep (182 days), pH + Conductivity (7 days)	
1924018	WS14 0.80 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), Total Sulphur ICP (7 days), Total Sulphate ICP (30 days), Metals ICP Prep (182 days), pH + Conductivity (7 days)	
1924019	WS01 1.80-2.00 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), Total Sulphur ICP (7 days), Total Sulphate ICP (30 days), Metals ICP Prep (182 days), pH + Conductivity (7 days)	
1924020	WS02 1.20 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), Total Sulphur ICP (7 days), Total Sulphate ICP (30 days), Metals ICP Prep (182 days), pH + Conductivity (7 days)	
1924021	WS04 1.80-2.00 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), Total Sulphur ICP (7 days), Total Sulphate ICP (30 days), Metals ICP Prep (182 days), pH + Conductivity (7 days)	
1924022	WS06 2.00 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), Total Sulphur ICP (7 days), Total Sulphate ICP (30 days), Metals ICP Prep (182 days), pH + Conductivity (7 days)	
1924023	WS07 1.00 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), Total Sulphur ICP (7 days), Total Sulphate ICP (30 days), Metals ICP Prep (182 days), pH + Conductivity (7 days)	

Information in Support of the Analytical Results

Our Ref 21-22625
Client Ref P1562
Contract High Post, Salisbury

Lab No	Sample ID	Date Sampled	Containers Received	Holding time exceeded for tests	Inappropriate container for tests
1924024	WS08 0.80 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), Total Sulphur ICP (7 days), Total Sulphate ICP (30 days), Metals ICP Prep (182 days), pH + Conductivity (7 days)	
1924025	WS09 1.80-2.00 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), Total Sulphur ICP (7 days), Total Sulphate ICP (30 days), Metals ICP Prep (182 days), pH + Conductivity (7 days)	
1924026	WS12 1.00 SOIL		PT 1L	Sample date not supplied, Anions 2:1 (30 days), Total Sulphur ICP (7 days), Total Sulphate ICP (30 days), Metals ICP Prep (182 days), pH + Conductivity (7 days)	

Key: P-Plastic T-Tub

DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time, inappropriate containers etc are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

Soil Analysis Notes

Inorganic soil analysis was carried out on a dried sample, crushed to pass a 425µm sieve, in accordance with BS1377.

Organic soil analysis was carried out on an 'as received' sample. Organics results are corrected for moisture and expressed on a dry weight basis.

The Loss on Drying, used to express organics analysis on an air dried basis, is carried out at a temperature of 28°C +/-2°C.

Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-

Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

End of Report

APPENDIX I

References

REFERENCES

1. **Ordnance Survey**, *Landranger Series, 1:50,000 Scale, Sheet 184, Salisbury & The Plain*, 2016.
2. **British Geological Survey**, *1:50,000 Series, Sheet 298, Salisbury, 2005.*
3. **BRE.** *Concrete in aggressive ground.* BRE SD1. 2005.
4. **BRE**. *Soakaway Design.* BRE Digest 365, 2016.
5. **BSI**. *Eurocode 7: Geotechnical design – Part 1: General rules*. BS EN 1997-1:2004.
6. **BSI**. *Eurocode 7: Geotechnical design – Part 2: Ground investigation and testing.* BS EN 1997-1:2007.
7. **National House-Building Council**, *NHBC Standards*. 2010 Amendment.
8. **CIRIA**. *Engineering in Chalk.* C574, 2002.
9. **DEFRA**, Model Procedures for the Management of Contaminated Land, CLR11, 2004.
10. **Defra.** *SP1010 – Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination*. 2014.
11. **Environment Agency**, *Soil Guideline Values for 'various substances' in soil*, 2009.
12. **CIEH/LQM.** *The LQM/CIEH S4ULs for Human Health Risk Assessment*. 2015.
13. **Environment Agency**, *SR3 Updated Technical Background to the CLEA model: Science Report Final SC050021/SR3*, 2009.
14. **BSI**. *Code of practice for foundations, BS8004:1994.*