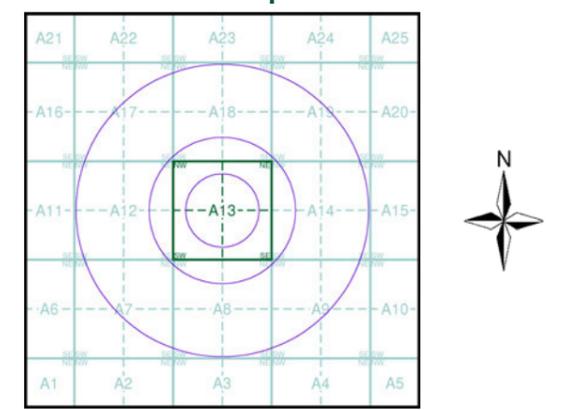


RSK

Industrial Land Use Map

- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Slice
 - Map ID
- Industrial Land Use**
- Contemporary Trade Directory Entry
 - Fuel Station Entry
 - Gas Pipeline
 - Points of Interest - Commercial Services
 - Points of Interest - Education and Health
 - Points of Interest - Manufacturing and Production
 - Points of Interest - Public Infrastructure
 - Points of Interest - Recreational and Environmental
 - Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

Order Number: 286742639_1_1
 Customer Ref: P02119042
 National Grid Reference: 553630, 227030
 Slice: A
 Site Area (Ha): 0.01
 Search Buffer (m): 1000

Site Details
 Site at 553400, 227100

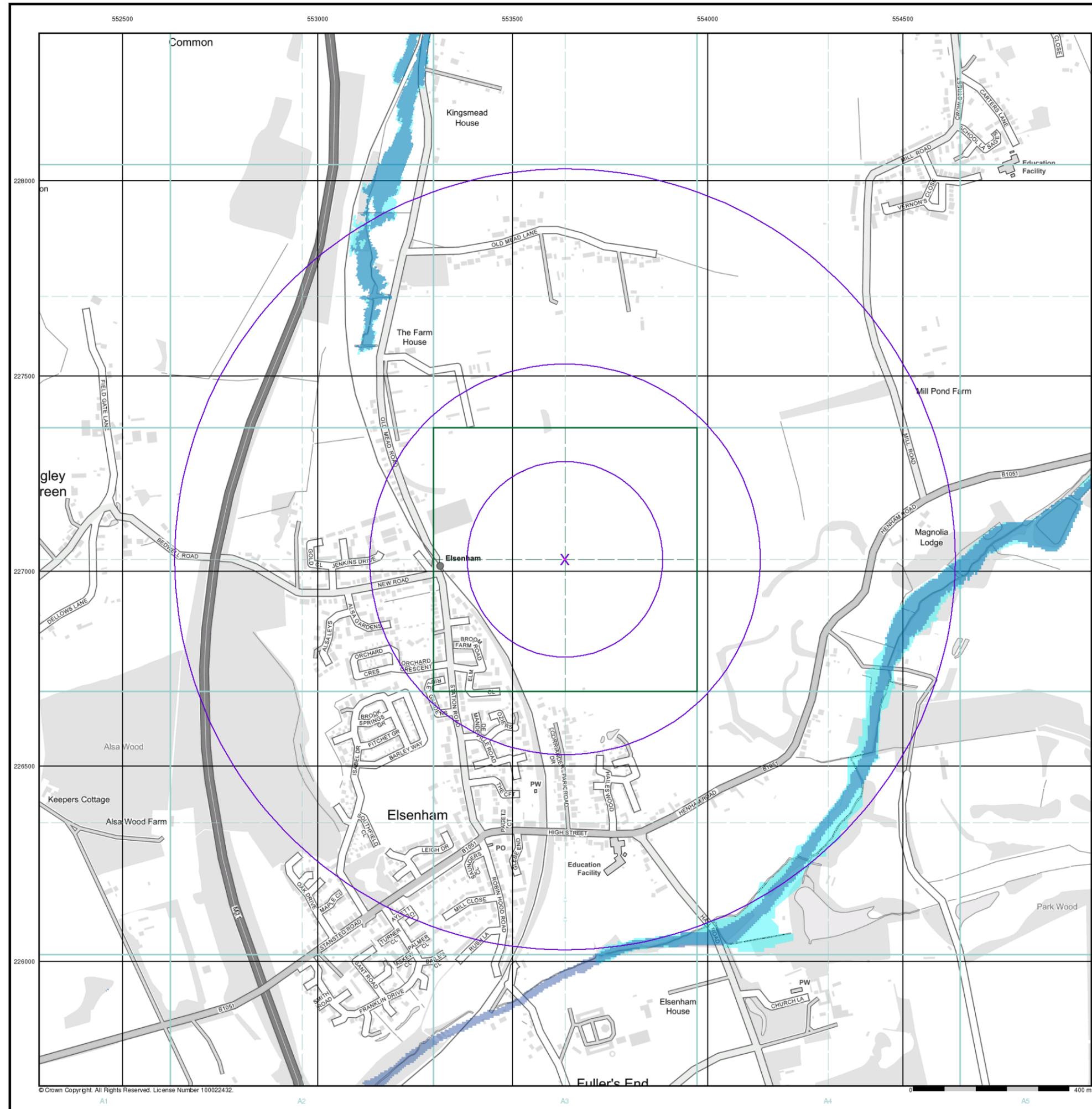


General

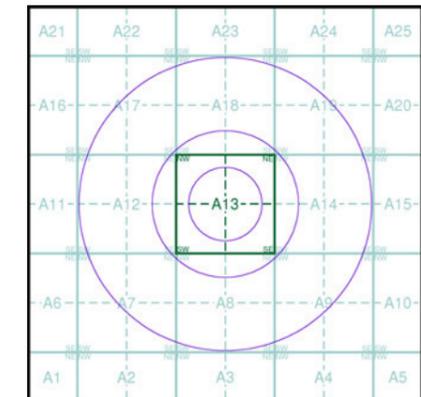
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence



Flood Map - Slice A



Order Details

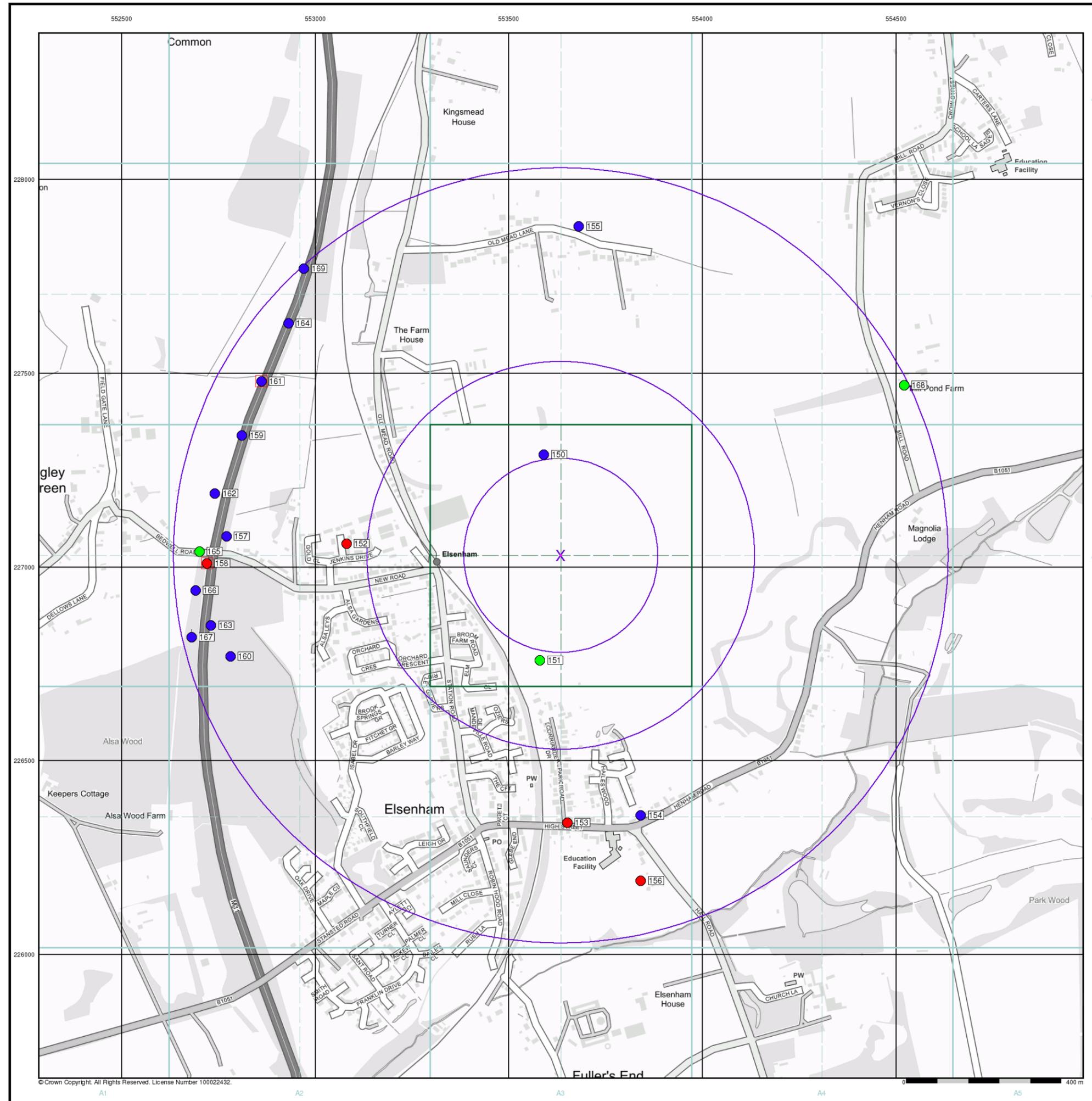
Order Number: 286742639_1_1
 Customer Ref: P02119042
 National Grid Reference: 553630, 227030
 Slice: A
 Site Area (Ha): 0.01
 Search Buffer (m): 1000

Site Details

Site at 553400, 227100



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



General

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

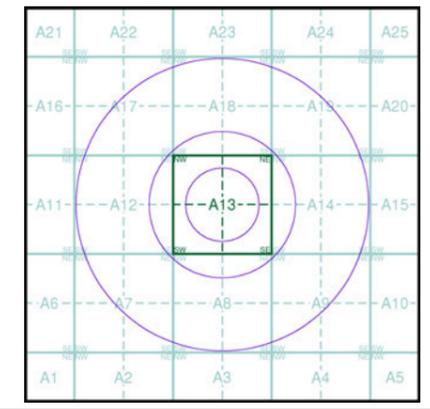
Agency and Hydrological (Boreholes)

- 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



Order Details

Order Number: 286742639_1_1
 Customer Ref: P02119042
 National Grid Reference: 553630, 227030
 Slice: A
 Site Area (Ha): 0.01
 Search Buffer (m): 1000

Site Details

Site at 553400, 227100



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



General

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

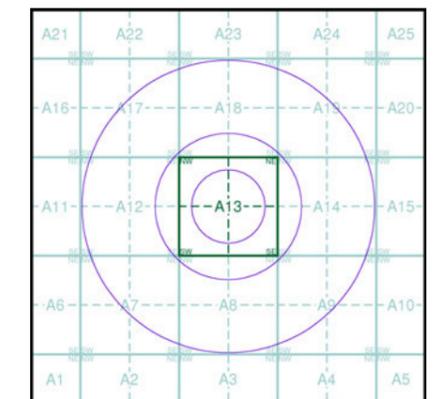
OS Water Network Data

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

Contours (height in meters)

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

OS Water Network Map - Slice A



Order Details

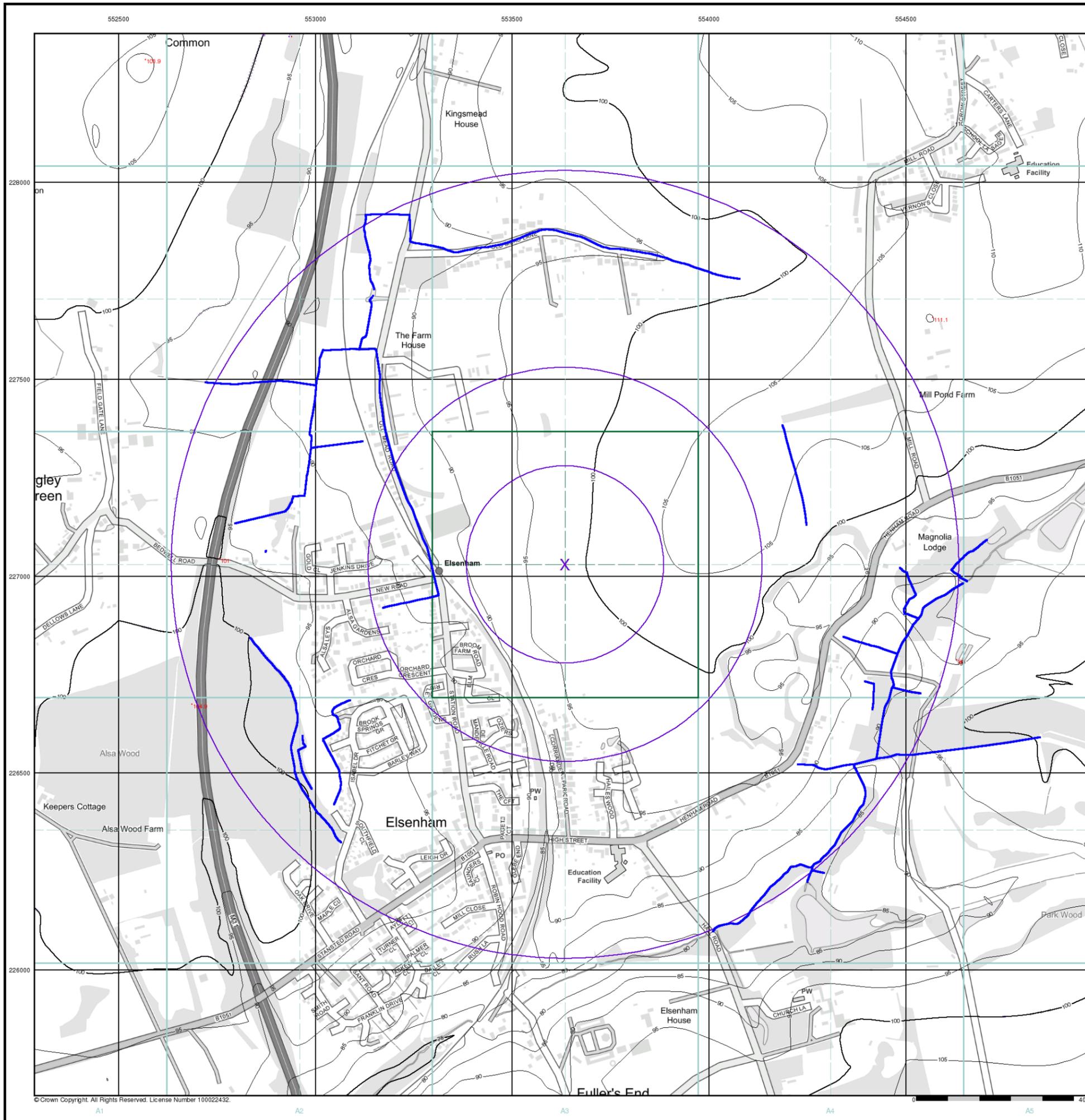
Order Number: 286742639_1_1
 Customer Ref: P02119042
 National Grid Reference: 553630, 227030
 Slice: A
 Site Area (Ha): 0.01
 Search Buffer (m): 1000

Site Details

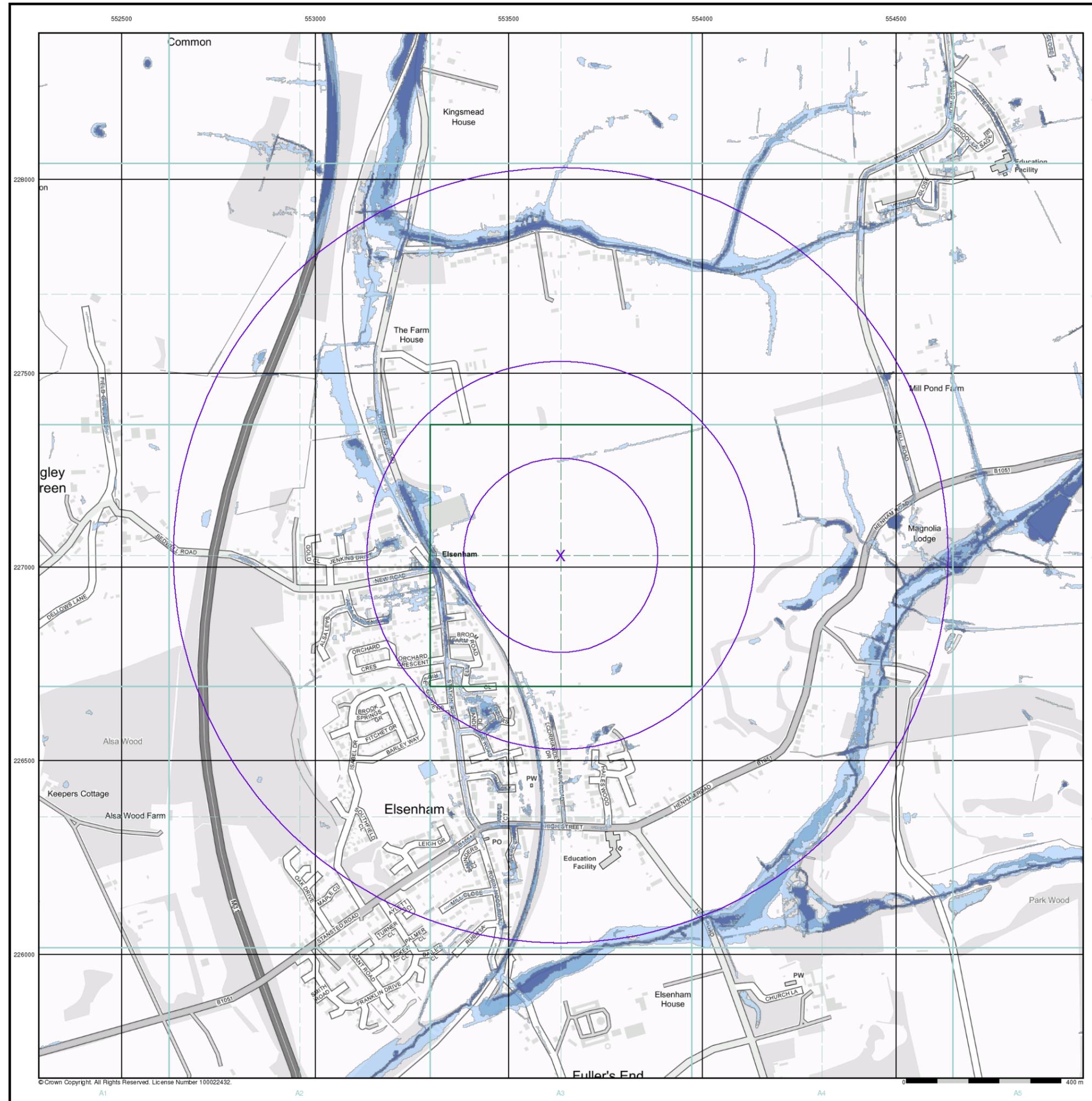
Site at 553400, 227100



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



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General

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

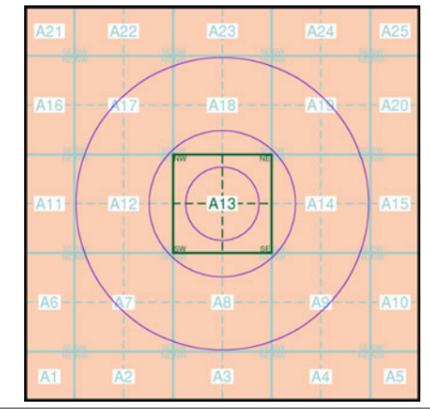
Risk of Flooding from Surface Water

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

Suitability

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

E/NRW Suitability Map - Slice A



Order Details

Order Number: 286742639_1_1
 Customer Ref: P02119042
 National Grid Reference: 553630, 227030
 Slice: A
 Site Area (Ha): 0.01
 Search Buffer (m): 1000

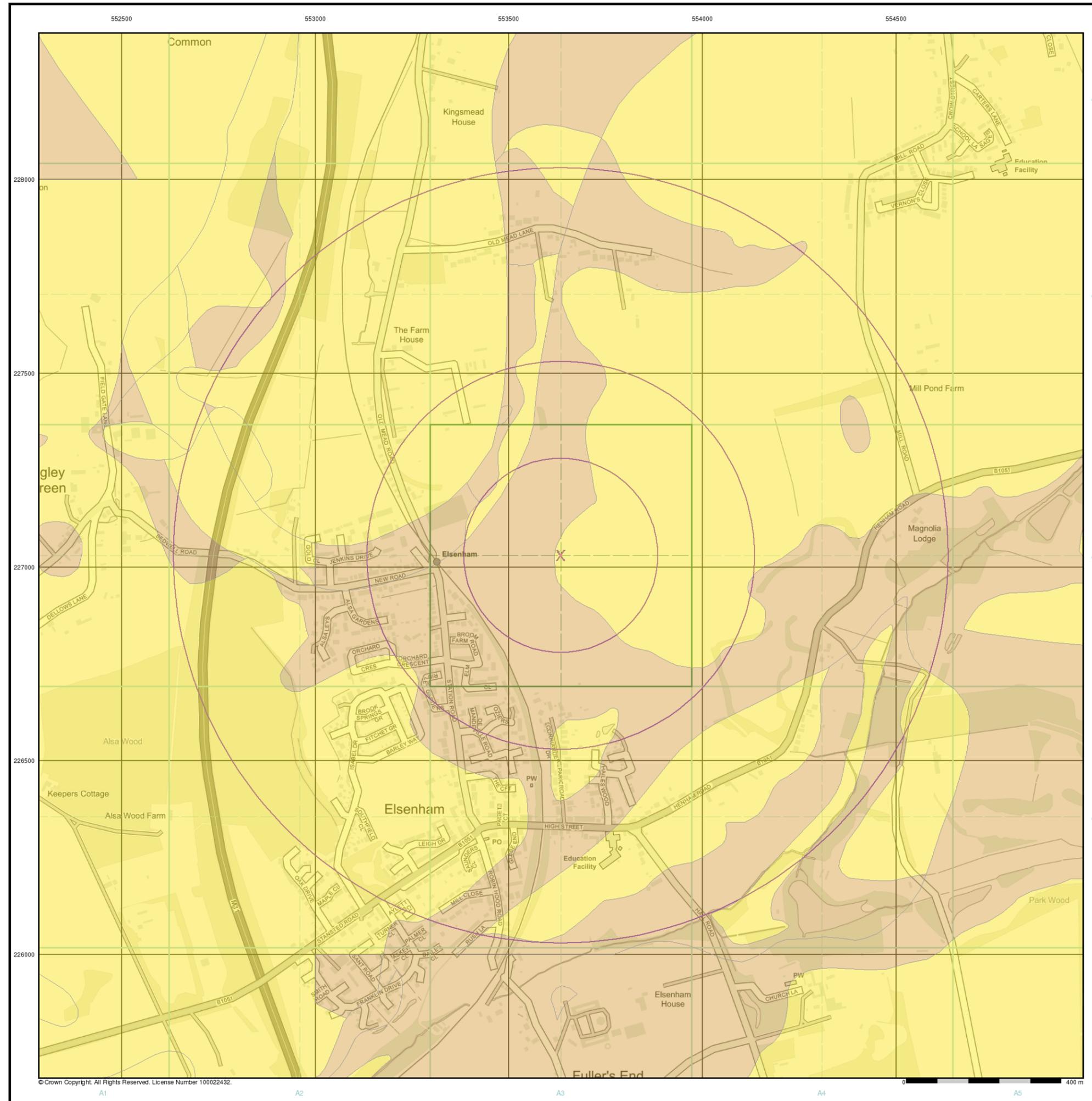
Site Details

Site at 553400, 227100



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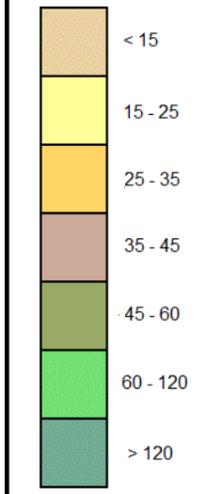


General

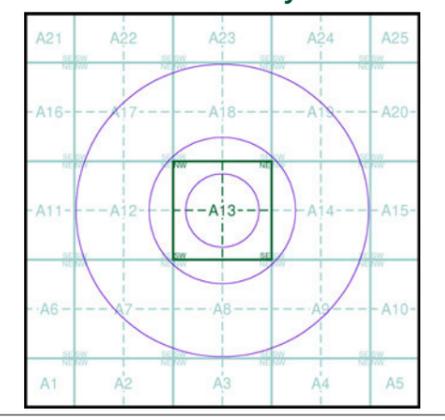
X Specified Site
 Specified Buffer(s)
 X Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A



Order Details

Order Details: 286742639_1_1
 Customer Ref: P02119042
 National Grid Reference: 553630, 227030
 Slice: A
 Site Area (Ha): 0.01
 Search Buffer (m): 1000

Site Details

Site at 553400, 227100

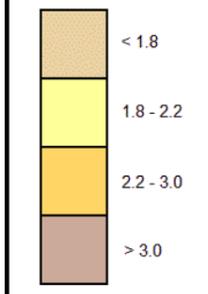


General

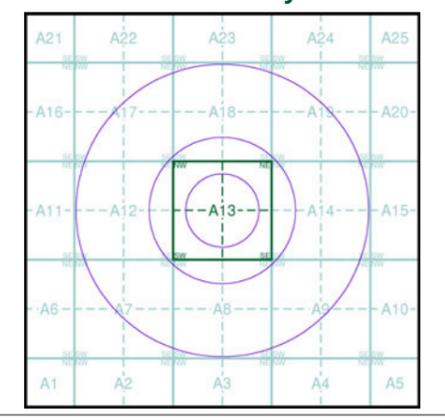
X Specified Site
 Specified Buffer(s)
 X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

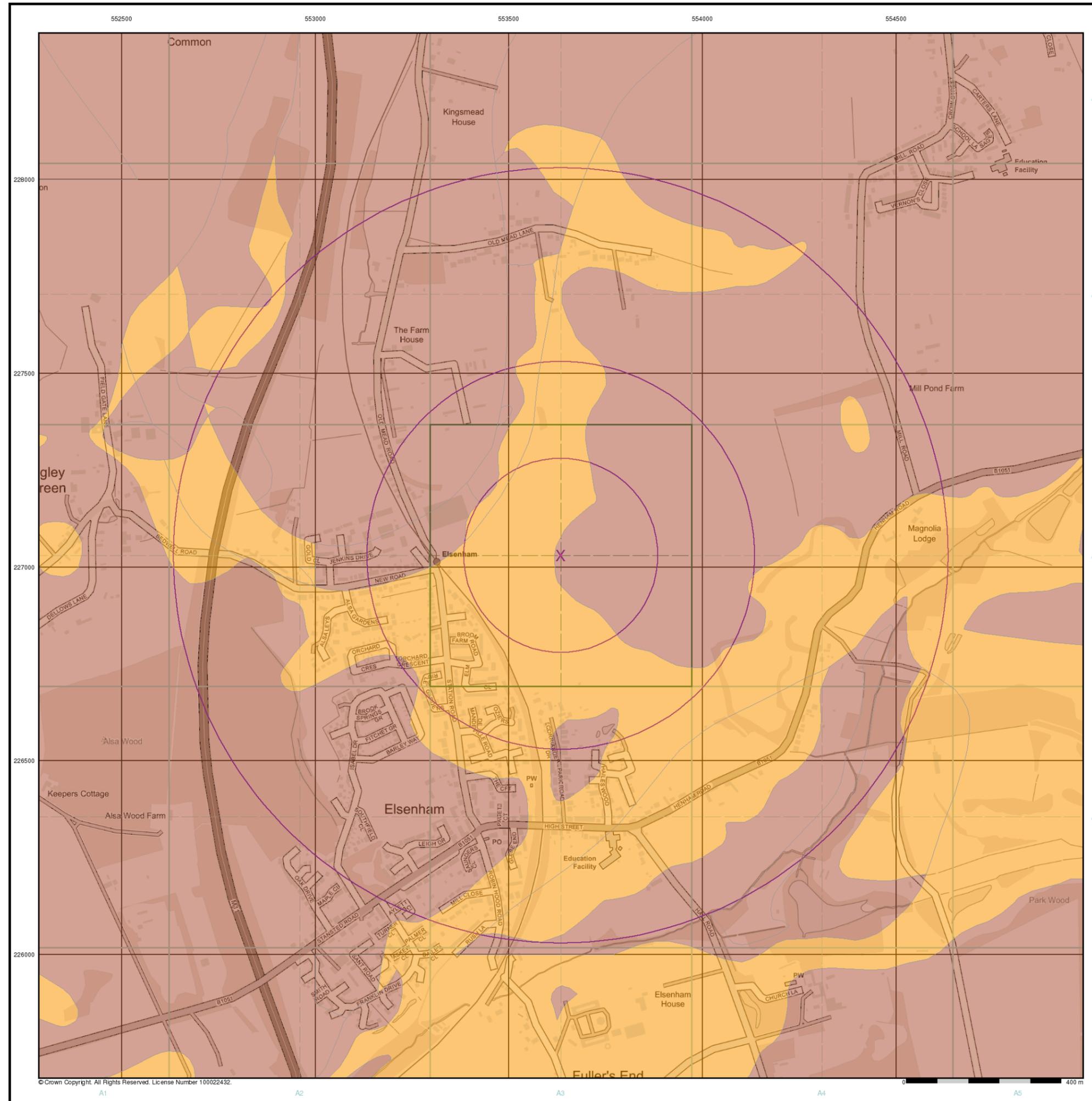
Order Details: 286742639_1_1
 Customer Ref: P02119042
 National Grid Reference: 553630, 227030
 Slice: A
 Site Area (Ha): 0.01
 Search Buffer (m): 1000

Site Details

Site at 553400, 227100

Landmark
 INFORMATION GROUP

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

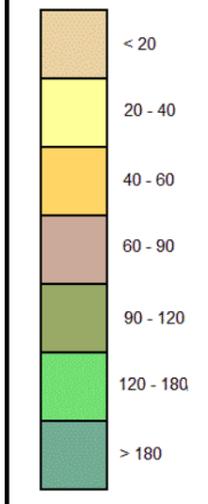


General

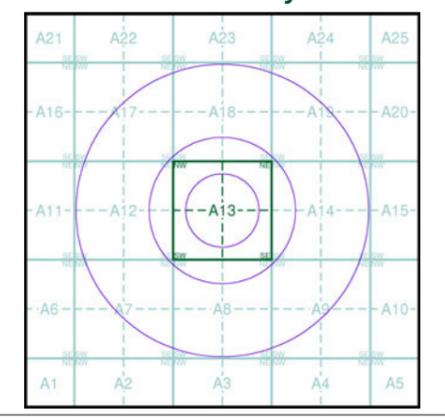
X Specified Site
 Specified Buffer(s)
X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A



Order Details

Order Details: 286742639_1_1
Customer Ref: P02119042
National Grid Reference: 553630, 227030
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

Site at 553400, 227100

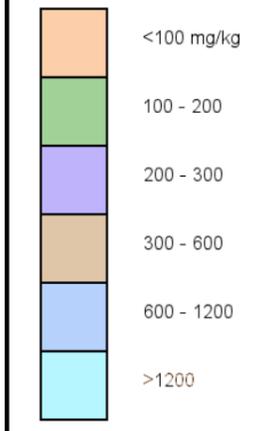


General

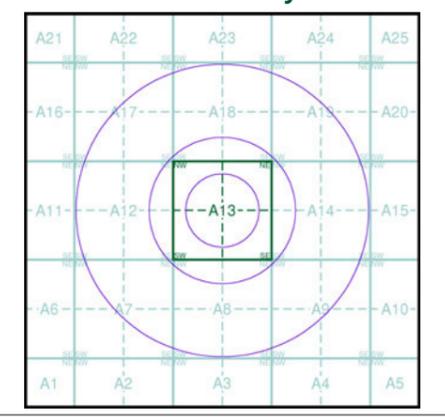
X Specified Site
 Specified Buffer(s)
 X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A



Order Details

Order Details: 286742639_1_1
 Customer Ref: P02119042
 National Grid Reference: 553630, 227030
 Slice: A
 Site Area (Ha): 0.01
 Search Buffer (m): 1000

Site Details

Site at 553400, 227100



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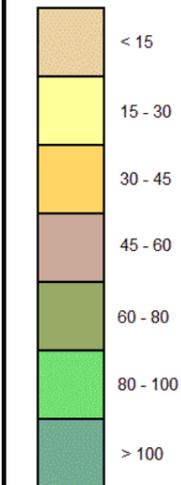


General

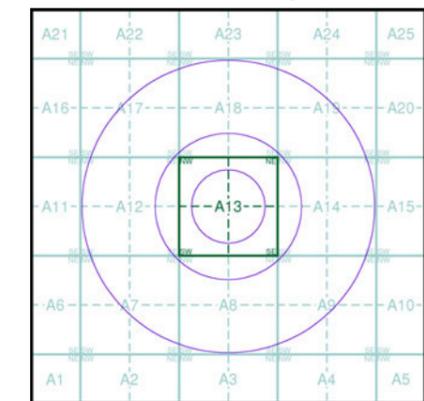
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A



Order Details

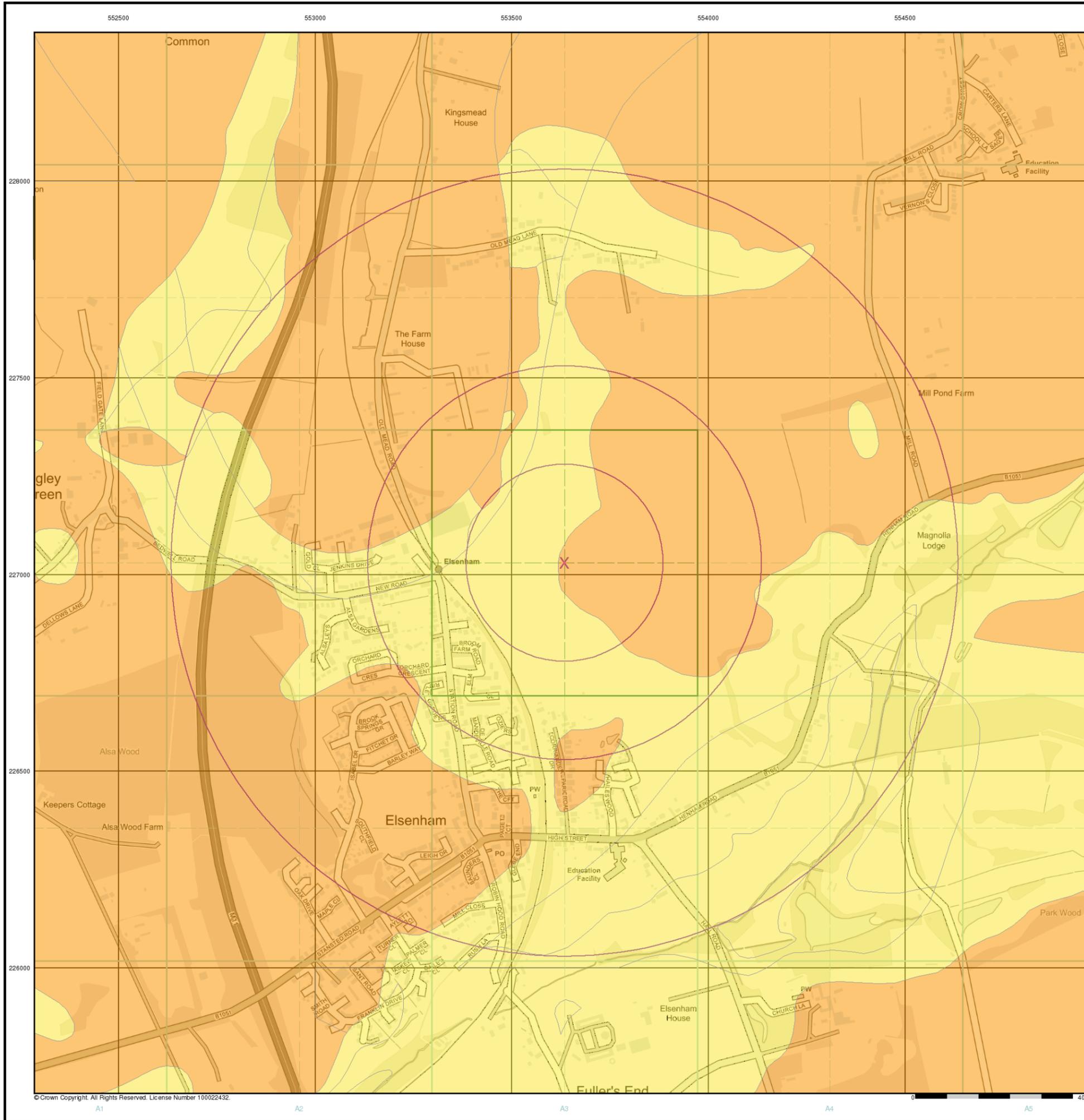
Order Details: 286742639_1_1
 Customer Ref: P02119042
 National Grid Reference: 553630, 227030
 Slice: A
 Site Area (Ha): 0.01
 Search Buffer (m): 1000

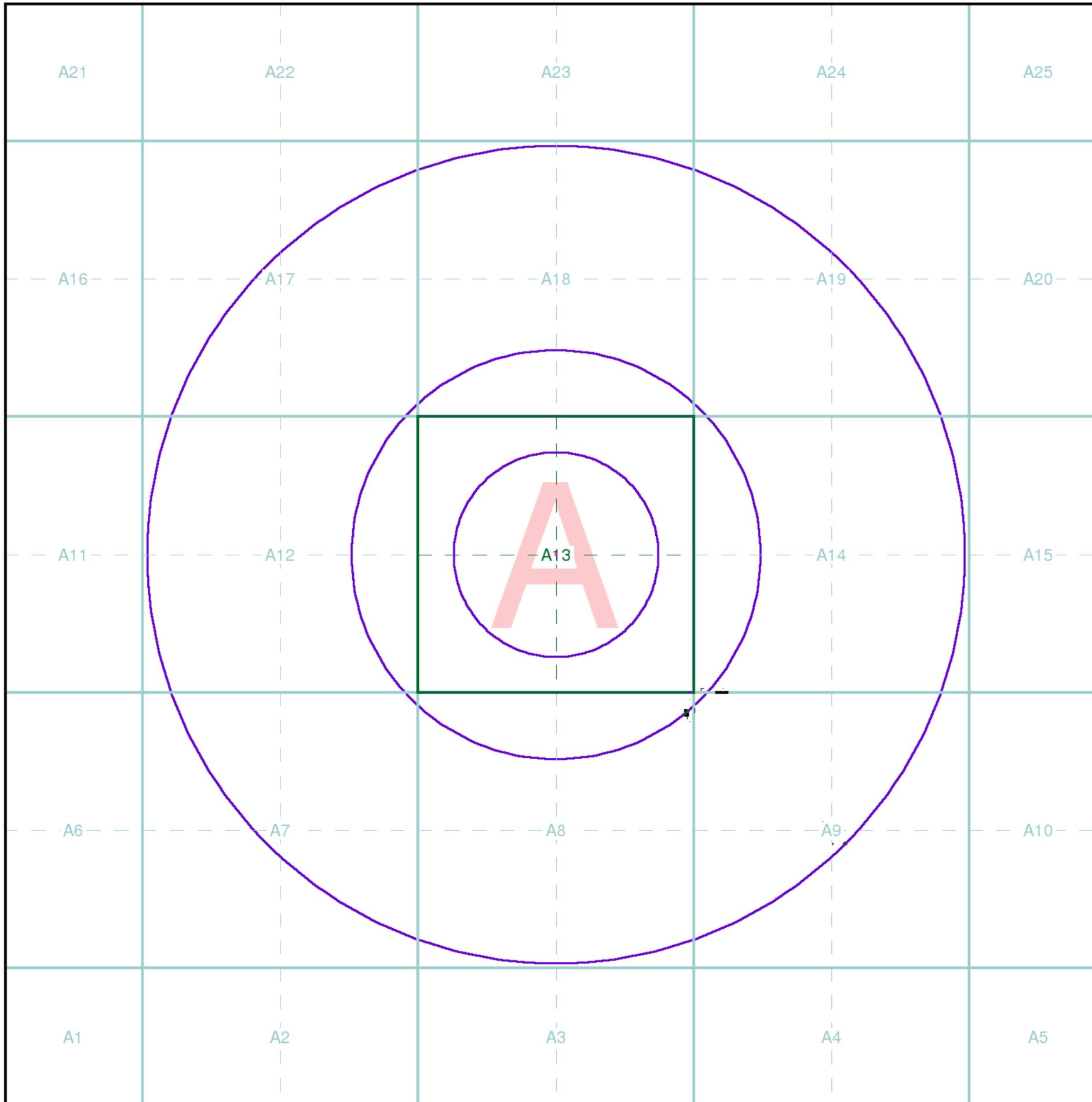
Site Details

Site at 553400, 227100



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





Index Map

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

Slice

Each slice represents a 1:10,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline), that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

Segment

A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

Quadrant

A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located on plots. Therefore a feature that has a quadrant reference of A7NW will be in Slice A, Segment 7 and the NW Quadrant.

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Client Details

Miss S Gower, RSK Environment Ltd, 18 Frogmore Road, Hemel Hempstead, Hertfordshire, HP3 9RT

Order Details

Order Number: 286742639_1_1
 Customer Ref: P02119042
 National Grid Reference: 553630, 227030
 Site Area (Ha): 0.01
 Search Buffer (m): 1000

Site Details

Site at 553400, 227100

Full Terms and Conditions can be found on the following link:
<http://www.landmarkinfo.co.uk/Terms/Show/515>



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 Web: www.envirocheck.co.uk

APPENDIX D
CORRESPONDENCE WITH THE LOCAL AUTHORITY

Ellie Sanders

From: Ellie Sanders
Sent: 09 December 2021 10:54
To: Ellie Sanders
Subject: FW: Elsenham Site Enquiry
Attachments: FW: Receipt WPSR00334927

From: Heather Ziervogel [REDACTED]
Sent: 16 September 2021 11:08
To: Timothy Costello [REDACTED]
Cc: Nayna Daudia [REDACTED]
Subject: Elsenham Site Enquiry

Hi Timothy, apologies for the delay, please find the information requested below;

1. Are you aware of contamination land issues with the site, and has it been designated under Part IIA of the EPA.

No Part IIA designation or contamination complaints.
Old railway line to the NWest of the site, see red line in plan below.
Cemetery to the SWest of site- at the end of The Croft.

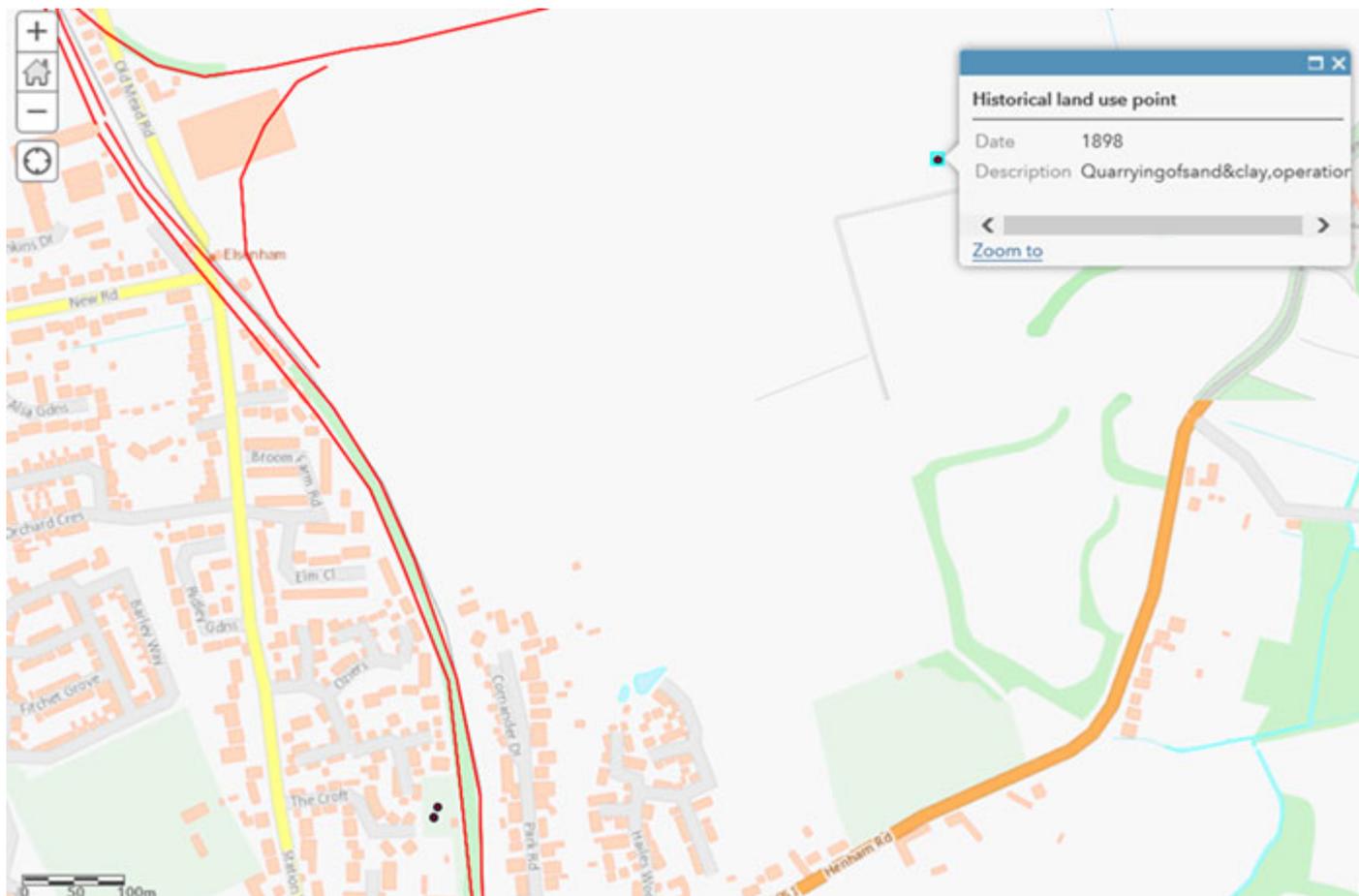
2. Are you aware of any landfills within a 250m radius of the site.

1898 Quarry- Sand & Clay to the NEast, see point on plan below.

3. Are you aware of any private abstraction licensed within 1km of the site.

None

Plan:



Further information of interest:

There is a NOx Tube measuring point nearby on Henham Rd Tube Ref: UT056.

The land is over a Minor Aquifer.

The land is likely to be affected by noise from Stansted Airport as well as railway line.

There is a Gravel Pit East of the site, Elsenham Sand & Gravel LTD (dark green on plan)

Please let me know if there is anything else you need.

Kind regards,

Heather Ziervogel

Environmental Health Officer

Uttlesford District Council

Council Offices

London Road

Saffron Walden

Essex CB11 4ER

Tel: 01799 510 584

Fax: 01799 510 379

Email: [REDACTED]

From: Timothy Costello <TCostello@rsk.co.uk>

Sent: 16 September 2021 08:25

To: Nayna Daudia [REDACTED]
Subject: RE: [External] Arlesey Site Enquiry

Hi Nayna,

Just following up on the below – I believe Linda paid 2 weeks ago?

Can you send over the report when possible?

Many thanks

Tim

Tim Costello
Geo-Environmental Engineer
RSK
18 Frogmore Road, Hemel Hempstead, Hertfordshire, HP3 9RT, UK

Mobile: +44 [REDACTED]
email: [REDACTED]

From: Timothy Costello [REDACTED]
Sent: 07 September 2021 09:36
To: Environmental Health [REDACTED]
Subject: [External] Arlesey Site Enquiry

Hi there,

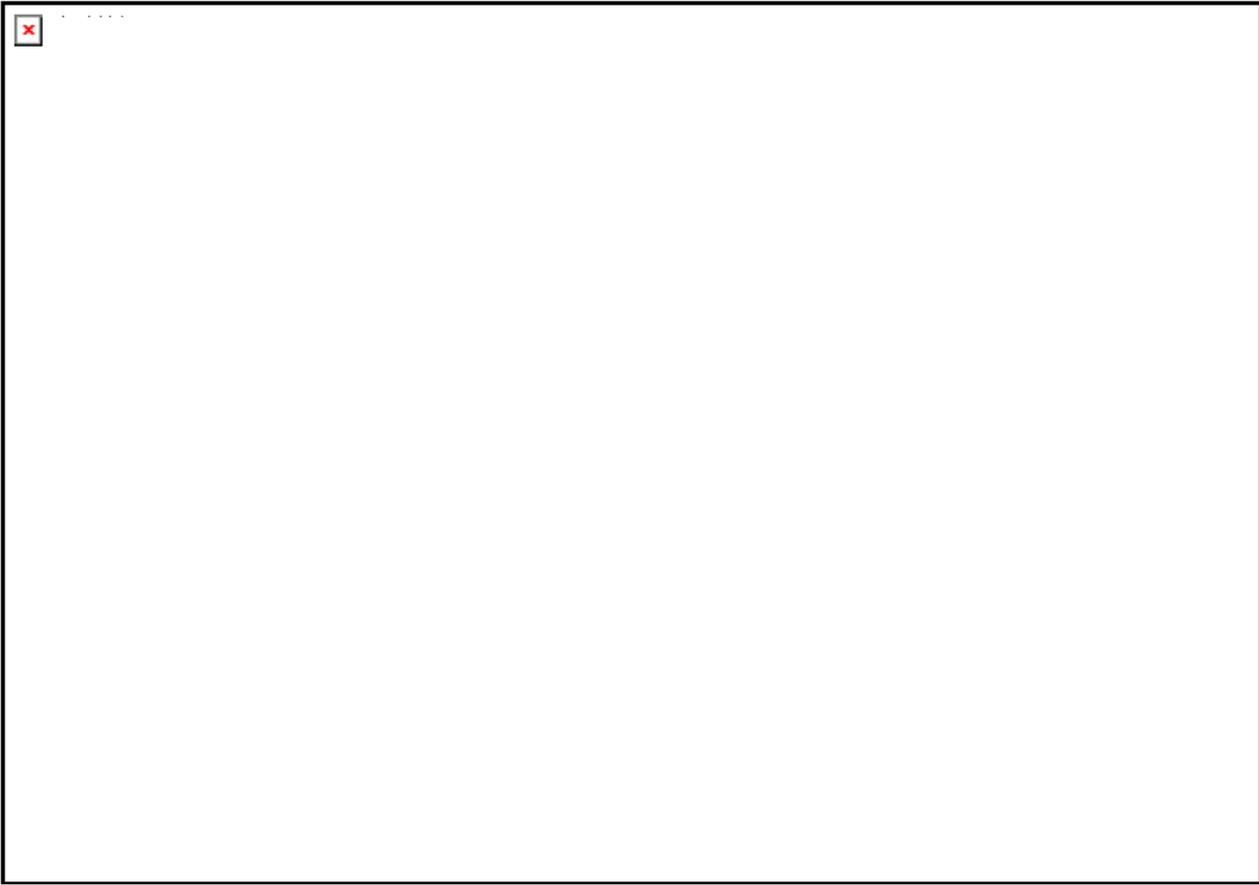
I'm contacting you on behalf of our client CALA homes who are building on the White Horse site in Arlesey (see site map attached). For the purpose of our investigation, can you advise on any of the following:

1. Are you aware of contamination land issues with the site, and has it been designated under Part IIA of the EPA.
2. Are you aware of any landfills within a 250m radius of the site.
3. Are you aware of any private abstraction licensed within 1km of the site.

Any assistance would be greatly appreciated

Kind Regards

Tim



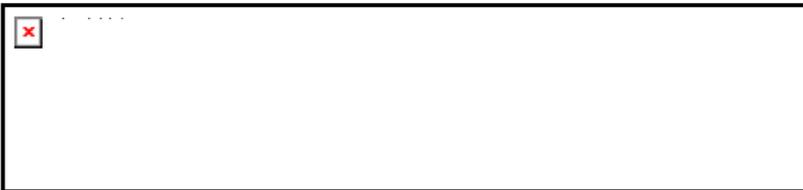
Tim Costello
Geo-Environmental Engineer



RSK Environment Limited
18 Frogmore Road, Hemel Hempstead, Hertfordshire, HP3 9RT, UK
Telephone: +44 (0)1442 437500
Mobile: +44 [REDACTED]
Email: [REDACTED]



Global provider of environmental consultancy, health and safety, and ground engineering services



RSK Environment Ltd is registered in Scotland at 65 Sussex Street, Glasgow, Scotland, G41 1DX, UK
Registered number: 115530

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APPENDIX E
PHOTOGRAPHIC RECORD

ELSENHAM PHASE 2 SITE RECONNAISSANCE PHOTOGRAPHS

| | | |
|---|--------------------------|--|
| Photo No. 1 | Date: 24/09/21 |  |
| | | |
| Description: Unsecured access from Old Mead Rd for light vehicles in north western corner (indicated by green arrow in photo 1) | | |

| | | |
|--|--------------------------|--|
| Photo No. 2 | Date: 24/09/21 |  |
| | | |
| Description: Northern boundary facing west showing walking path, powerlines and freight forwarding warehouse on western corner | | |

| | | |
|---|--------------------------|--|
| Photo No. 3 | Date: 24/09/21 |  |
| | | |
| Description: Northern boundary facing east showing walking path and overhead powerlines | | |

| | | |
|---|--------------------------|---|
| Photo No. 4 | Date: 24/09/21 |  |
| | | |
| Description: North western corner showing station, station car park & warehouse | | |

| | |
|-----------------------|--------------------------|
| Photo No. 5 | Date: 24/09/21 |
|-----------------------|--------------------------|



Description:
Western edge facing south –
train platform and rail cutting
runs adjacent to site edge

| | |
|-----------------------|--------------------------|
| Photo No. 6 | Date: 24/09/21 |
|-----------------------|--------------------------|



Description:
Manned railways crossing
and Elsenham station
opposite site entrance
shown in Photo 2

APPENDIX F TECHNICAL BACKGROUND

H1 Desk Study

Aquifer designation and Source protection zones

Principal aquifer: layers of rock or drift deposit that have high intergranular and/or fracture permeability (usually providing a high level of water storage). They may support water supply and/or river base flow on a strategic scale.

Secondary A aquifer: permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers.

Secondary B aquifer: predominantly lower permeability layers that may store and yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering.

Secondary undifferentiated aquifer: it has not been possible to attribute either a category A or B to a rock type. In most cases this means that it was previously designated as both a minor and non-aquifer in different locations owing to the variable characteristics.

Unproductive' strata: low permeability with negligible significance for water supply or river base flow.

The EA generally adopts a three-fold classification of source protection zones (SPZ) surround abstractions for public water supply. The Site is situated in an area defined as follows:

- Zone 1 or the 'inner protection zone' is located immediately adjacent to the groundwater source and is based on a 50-day travel time from any point below the water table to the source. It is designed to protect against the effects of human activity and biological/chemical contaminants that may have an immediate effect on the source
- Zone 2 or the 'outer protection zone' is defined by a 400-day travel time from a point below the water table to the source. The travel time is designed to provide delay and attenuation of slowly degrading pollutants
- Zone 3 or the 'total catchment' is the area around the source within which all groundwater recharge is presumed to be discharged at the source.

Preliminary risk assessment methodology

LCRM outlines the framework to be followed for risk assessment in the UK. The framework is designed to be consistent with UK legislation and policies including planning. An outline conceptual model should be formed at the preliminary risk assessment stage that collates all the existing information pertaining to a site in text, tabular or diagrammatic form. The outline conceptual model identifies potentially complete (termed possible) contaminant linkages (contaminant–pathway–receptor) and is used as the basis for the design of the site investigation. The outline conceptual model is updated as further information becomes available, for example as a result of the site investigation.

Production of a conceptual model requires an assessment of risk to be made. Risk is a combination of the likelihood of an event occurring and the magnitude of its consequences. Therefore, both the

likelihood and the consequences of an event must be taken into account when assessing risk. RSK has adopted guidance provided in CIRIA C552 for use in the production of conceptual models.

The likelihood of an event can be classified on a four-point system using the following terms and definitions based on CIRIA C552:

- highly likely: the event appears very likely in the short term and almost inevitable over the long term or there is evidence at the receptor of harm or pollution
- likely: it is probable that an event will occur or circumstances are such that the event is not inevitable, but possible in the short term and likely over the long term
- low likelihood: circumstances are possible under which an event could occur, but it is not certain even in the long term that an event would occur and it is less likely in the short term
- unlikely: circumstances are such that it is improbable the event would occur even in the long term.

The severity can be classified using a similar system also based on CIRIA C552. The terms and definitions relating to severity are:

- severe: short term (acute) risk to human health likely to result in 'significant harm' as defined by the Environment Protection Act 1990, Part IIA. Short-term risk of pollution of sensitive water resources. Catastrophic damage to buildings or property. Short-term risk to an ecosystem or organism forming part of that ecosystem (note definition of ecosystem in 'Draft Circular on Contaminated Land', DETR 2000)
- medium: chronic damage to human health ('significant harm' as defined in 'Draft Circular on Contaminated Land', DETR 2000), pollution of sensitive water resources, significant change in an ecosystem or organism forming part of that ecosystem
- mild: pollution of non-sensitive water resources. Significant damage to crops, buildings, structures and services ('significant harm' as defined in 'Draft Circular on Contaminated Land', DETR 2000). Damage to sensitive buildings, structures or the environment
- minor: harm, not necessarily significant, but that could result in financial loss or expenditure to resolve. Non-permanent human health effects easily prevented by use of personal protective clothing. Easily repairable damage to buildings, structures and services.

Once the probability of an event occurring and its consequences have been classified, a risk category can be assigned according to the table below.

| | | Consequences | | | |
|-------------|----------------|--------------|--------------|--------------|--------------|
| | | Severe | Medium | Mild | Minor |
| Probability | Highly likely | Very high | High | Moderate | Moderate/low |
| | Likely | High | Moderate | Moderate/low | Low |
| | Low likelihood | Moderate | Moderate/low | Low | Very low |
| | Unlikely | Moderate/low | Low | Very low | Very low |

Definitions of these risk categories are as follows together with an assessment of the further work that may be required:

- very high: there is a high probability that severe harm could occur or there is evidence that severe harm is currently happening. This risk, if realised, could result in substantial liability; urgent investigation and remediation are likely to be required
- high: harm is likely to occur. Realisation of the risk is likely to present a substantial liability. Urgent investigation is required. Remedial works may be necessary in the short term and are likely over the long term
- moderate: it is possible that harm could arise, but it is unlikely that the harm would be severe and it is more likely that the harm would be relatively mild. Investigation is normally required to clarify the risk and determine the liability. Some remedial works may be required in the longer term
- low: it is possible that harm could occur, but it is likely that if realised this harm would at worst normally be mild
- very low: there is a low possibility that harm could occur and if realised the harm is unlikely to be severe.

H2 Site Investigation Methodology

Ground gas monitoring

An infrared gas meter was used to measure gas flow, concentrations of carbon dioxide (CO₂), methane (CH₄) and oxygen (O₂) in percentage by volume, while hydrogen sulphide (H₂S) and carbon monoxide (CO) were recorded in parts per million. Initial and steady state concentrations were recorded. In addition, during the first monitoring round, all wells were screened with a PID to establish if there are any interferences and cross-sensitivity of other hydrocarbons with the infrared gas meter.

Low flow groundwater sampling

Groundwater samples were retrieved using a United States Environment Protection Agency (USEPA) approved low-flow purging and sampling methodology.

The low-flow method relies on moving groundwater through the well screen at approximately the same rate as it flows through the geological formation. This results in a significant reduction in the volume of water extracted before sampling and significantly reduces the amount of disturbance of the water in the monitoring well during purging and sampling. Drawdown levels in the monitoring well and water quality indicator parameters (pH, temperature, electrical conductivity, redox potential and dissolved oxygen) are monitored during low-flow purging and sampling, with stabilisation indicating that purging is complete and sampling can begin. As the flow rate used for purging, in most cases, is the same or only slightly higher than the flow rate used for sampling, and because purging and sampling are conducted as one continuous operation in the field, the process is referred to as low-flow purging and sampling.

Reuse of suitable materials

The Definition of Waste: Development Industry Code of Practice (CL:AIRE, 2011) (CoP) was developed in consultation with the Environment Agency and development industry to enable the

re-use of materials under certain scenarios and subject to demonstrating that specific criteria are met. The current reuse scenarios covered by the CoP comprise

- reuse on the site of origin (with or without treatment)
- direct transfer of clean and natural soils between sites
- use in the development of land other than the site of origin following treatment at an authorised Hub site (including a fixed soil treatment facility).

The importation of made ground soils (irrespective of contamination status) or crushed demolition materials is not permitted currently under the CoP and requires either a standard rules environmental permit or a U1 waste exemption (see below).

In the context of excavated materials used on-sites undergoing development, four factors are considered to be of particular relevance in determining if the material is a waste or when it ceases to be waste:

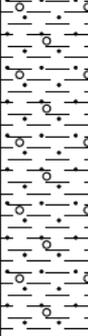
- the aim of the Waste Framework Directive is not undermined, i.e. if the use of the material will create an unacceptable risk of pollution of the environment or harm to human health it is likely to be waste
- the material is certain to be used
- the material is suitable for use both chemically and geotechnically
- only the required quantity of material will be used.

The CoP requires the preparation of a materials management plan (MMP) that confirms the above factors will be met. This plan needs to be reviewed by a 'Qualified Person' (QP) who will then issue a declaration form to the EA. As the project progresses, data must be collated and on completion a verification report produced that shows the MMP was followed and describes any changes.

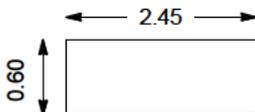
The MMP establishes whether specific materials are classified as waste and how excavated materials will be treated and/or reused in line with the CoP. The MMP is likely to form part of the site waste management plan.

APPENDIX G
EXPLORATORY HOLE RECORDS

| | | | | |
|---|--|---------------------------------------|--|----------------------------|
| Contract: Henham Road, Elsenham | | Client: Bloor Homes | | Trial Pit: SA101 |
| Contract Ref: 1921748 | Start: 06.10.21 End: 06.10.21 | Ground Level (m AOD): 90.96 | National Grid Co-ordinate: E:553406.0 N:227006.7 | Sheet: 1 of 1 |

| Samples and In-situ Tests | | | | Water | Backfill | Description of Strata | Depth (Thickness) | Material Graphic Legend |
|---------------------------|----|------|---------|-------|----------|--|-------------------|--|
| Depth | No | Type | Results | | | | | |
| 1.00-1.50 | 1 | B | | | | Crop stubble over dark brown sandy gravelly organic SILT. Sand is fine to coarse. Gravel is angular to well rounded fine to coarse of flint. Abundant rootlets. (TOPSOIL) | (0.30) |  |
| | | | | | | Soft to firm brown sandy slightly gravelly silty CLAY. Sand is fine to coarse. Gravel is angular to subrounded fine to medium of flint. (SUB SOIL) | 0.30 |  |
| | | | | | | Stiff brown mottled grey slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is angular to well rounded fine to medium flint with rare sandstone. ... becoming greyish brown sandy at 0.60 mbgl. | 0.40 |  |
| | | | | | | | (1.60) |  |
| | | | | | | Trial pit terminated at 2.00 mbgl. | 2.00 | |

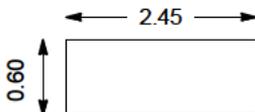
GINT_L_BRARY_V10_01.GLB LibVersion: v8_07_001 PjnVersion: v8_07 | Log TRIAL PIT LOG - A4P | 1921748-ELSENHAM.GPJ - v10_01.
RSK Environment Ltd, 18 Frogmore Road, Hemel Hempstead, Hertfordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk | 20/10/21 - 10:20 | SG6 |

| | | | | |
|---|-------------------------------|--|-------------|---|
| Plan (Not to Scale) | | General Remarks | | |
|  | | <ol style="list-style-type: none"> No groundwater encountered. Pit walls stable. Soakaway test performed in pit. Trial pit backfilled with arisings. | | |
| All dimensions in metres | | Scale: 1:25 | | |
| Method Used: Machine dug | Plant Used: JCB-3CX | Logged By: TJohnson | Checked By: |  |

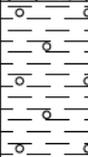
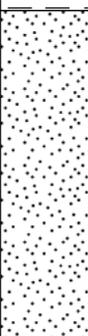
| | | | | |
|---|--|---------------------------------------|--|----------------------------|
| Contract: Henham Road, Elsenham | | Client: Bloor Homes | | Trial Pit: SA102 |
| Contract Ref: 1921748 | Start: 06.10.21 End: 06.10.21 | Ground Level (m AOD): 92.90 | National Grid Co-ordinate: E:553451.7 N:227069.0 | Sheet: 1 of 1 |

| Samples and In-situ Tests | | | | Water | Backfill | Description of Strata | Depth (Thickness) | Material Graphic Legend |
|------------------------------------|----|------|---------|-------|----------|--|-------------------|--|
| Depth | No | Type | Results | | | | | |
| 1.50-2.00 | 1 | B | | | | Crop stubble over dark brown silty slightly gravelly organic fine to medium SAND. Gravel is angular to subrounded. Abundant rootlets. (TOPSOIL) | (0.40) |  |
| | | | | | | Orangish brown locally grey silty gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of flint. Occasional subangular nodular flint cobbles. | (1.60) |  |
| Trial pit terminated at 2.00 mbgl. | | | | | | | 2.00 | |

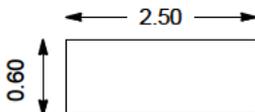
GINT_L_BRARY_V10_01.GLB LibVersion: v8_07 | Log TRIAL PIT LOG - A4P | 1921748-ELSENHAM.GPJ - v10_01.
RSK Environment Ltd, 18 Frogmore Road, Hemel Hempstead, Hertfordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk | 20/10/21 - 10:21 | SG6 |

| | | | |
|--|---|-------------------------------|--|
| Plan (Not to Scale)  | General Remarks | | |
| | <ol style="list-style-type: none"> Groundwater seepage into base of pit. Partial pit wall collapse below 1.75m on northern elevation. Soakaway test performed in pit. Trial pit backfilled with arisings. | | |
| All dimensions in metres | | Scale: | 1:25 |
| Method Used: Machine dug | Plant Used: JCB-3CX | Logged By: TJohnson | Checked By:  |

| | | | | | |
|--|--|------------------------------------|---|-------------------------|--|
| Contract: Henham Road, Elsenham | | Client: Bloor Homes | | Trial Pit: SA103 | |
| Contract Ref: 1921748 | Start: 06.10.21 End: 06.10.21 | Ground Level (m AOD): 98.69 | National Grid Co-ordinate: E:553653.0 N:226924.2 | Sheet: 1 of 1 | |

| Samples and In-situ Tests | | | | Water | Backfill | Description of Strata | Depth (Thickness) | Material Graphic Legend |
|------------------------------------|----|------|---------|-------|----------|---|-------------------|--|
| Depth | No | Type | Results | | | | | |
| 1.00-1.50 | 1 | B | | | Backfill | Crop stubble over dark brown slightly gravelly silty organic fine to coarse SAND. Gravel is angular to well rounded fine to coarse of flint. Abundant rootlets. (TOPSOIL) | (0.35) |  |
| | | | | | | Soft to firm brown sandy becoming very sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to well rounded fine to medium of flint. | (0.55) |  |
| | | | | | | Orangish brown becoming yellowish brown silty fine to medium occasionally coarse SAND. | (1.10) |  |
| Trial pit terminated at 2.00 mbgl. | | | | | | | 2.00 | |

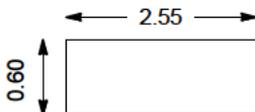
GINT_L_BRARY_V10_01.GLB LibVersion: v8_07 | Log TRIAL PIT LOG - A4P | 1921748-ELSENHAM.GPJ - v10_01.
RSK Environment Ltd, 18 Frogmore Road, Hemel Hempstead, Hertfordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk | 20/10/21 - 10:21 | SG6 |

| | | | | | |
|---|----------------------------|--|-------------|--------------------|---|
| Plan (Not to Scale) | | General Remarks | | | |
|  | | <ol style="list-style-type: none"> 1. No groundwater encountered. 2. Pit walls stable. 3. Soakaway test performed in pit. 4. Trial pit backfilled with arisings. | | | |
| | | All dimensions in metres | | Scale: 1:25 | |
| Method Used: Machine dug | Plant Used: JCB-3CX | Logged By: TJohnson | Checked By: | |  |

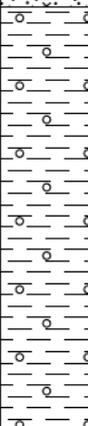
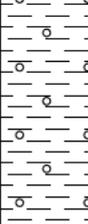
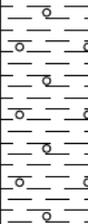
| | | | | | |
|---|--|--|--|----------------------------|--|
| Contract: Henham Road, Elsenham | | Client: Bloor Homes | | Trial Pit: SA104 | |
| Contract Ref: 1921748 | Start: 06.10.21 End: 06.10.21 | Ground Level (m AOD): 101.56 | National Grid Co-ordinate: E:553767.6 N:227200.5 | Sheet: 1 of 1 | |

| Samples and In-situ Tests | | | | Water | Backfill | Description of Strata | Depth (Thickness) | Material Graphic Legend |
|---------------------------|----|------|---------|-------|---|-----------------------|--|-------------------------|
| Depth | No | Type | Results | | | | | |
| 1.40-1.90 | 1 | B | | | Crop stubble over dark brown sandy gravelly organic SILT. Sand is fine to coarse. Gravel is angular to well rounded fine to coarse of flint. Abundant rootlets. (TOPSOIL) | (0.35) |  | |
| | | | | | Soft to firm brown sandy to very sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded fine to medium of flint. (SUB SOIL) | 0.35 (0.80) |  | |
| | | | | | Stiff to very stiff light brownish grey with white specks slightly sandy slightly gravelly silty CLAY. Sand is fine to coarse. Gravel is angular to subrounded fine to medium of flint and chalk. (LOWESTOFT FORMATION) | 1.15 (0.80) |  | |
| | | | | | Trial pit terminated at 1.95 mbgl. | 1.95 | | |

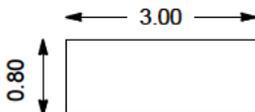
GINT_L_BRARY_V10_01.GLB LibVersion: v8_07 | Log TRIAL PIT LOG - A4P | 1921748-ELSENHAM.GPJ - v10_01.
RSK Environment Ltd, 18 Frogmore Road, Hemel Hempstead, Hertfordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk | 20/10/21 - 10:21 | SG6 |

| | | | | | |
|---|--|--|--|---|--|
| Plan (Not to Scale) | | General Remarks | | | |
|  | | <ol style="list-style-type: none"> No groundwater encountered. Pit walls stable. Soakaway test performed in pit. Trial pit backfilled with arisings. | | | |
| | | All dimensions in metres | | Scale: 1:25 | |
| Method Used: Machine dug | | Plant Used: JCB-3CX | | Logged By: TJohnson | |
| | | | | Checked By:  | |

| | | | | |
|--|--|------------------------------------|---|-------------------------|
| Contract: Henham Road, Elsenham | | Client: Bloor Homes | | Trial Pit: TP101 |
| Contract Ref: 1921748 | Start: 08.10.21 End: 08.10.21 | Ground Level (m AOD): 93.04 | National Grid Co-ordinate: E:553468.7 N:227217.0 | Sheet: 1 of 1 |

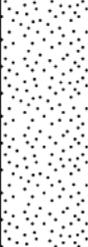
| Samples and In-situ Tests | | | | Water | Backfill | Description of Strata | Depth (Thickness) | Material Graphic Legend |
|---------------------------|----|----------|----------|-------|----------|---|-------------------|---|
| Depth | No | Type | Results | | | | | |
| 0.20 | 1 | ES | | | | Crop stubble over dark brown organic silty gravelly fine to coarse SAND. Gravel is angular to well rounded fine to coarse flint. Abundant rootlets. (TOPSOIL) | (0.30) |  |
| 0.50 0.60 | 1 | CBR D | 4% | | | Brown slightly gravelly silty fine to coarse SAND. Gravel is angular to well rounded fine to coarse of flint. (SUB SOIL) | (0.55) |  |
| 1.20 1.30 | 2 | V D | $c_u=68$ | | | Soft to firm brown locally mottled grey with rare white specks sandy to very sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to well rounded fine to coarse of flint. | |  |
| 2.30 | 3 | D | | | | ... grey mottling becoming more prevalent at 2.20 m bgl. | (2.90) |  |
| 2.60 | 4 | D | | | | ... numerous cobbles of nodular flint at 2.50 m bgl. | |  |
| 3.00-3.50 | 1 | B | | | | | |  |
| | | | | | | Trial pit terminated at 3.75 mbgl. | 3.75 | |

GINT_L_BRARY_V10_01.GLB LibVersion: v8_07 | Log TRIAL PIT LOG - AAP | 1921748-ELSENHAM.GPJ - v10_01.
RSK Environment Ltd, 18 Frogmore Road, Hemel Hempstead, Hertfordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk | 20/10/21 - 10:21 | SG6 |

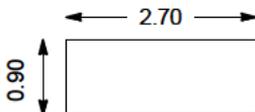
| | | |
|--|--|---|
| Plan (Not to Scale)  | General Remarks | |
| | 1. Groundwater ingress into base of pit. Slow inflow. 2. 0.00 m - 3.40 m pit walls stable. 3. 3.40 m - 3.75 m partial pit wall collapse. 4. Trial pit backfilled with arisings. | |
| All dimensions in metres | | Scale: 1:25 |
| Method Used: Machine dug | Plant Used: JCB-3CX | Logged By: TJohnson Checked By: AT |



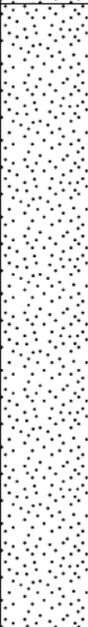
| | | | | | |
|---|--|--|---------------------------------------|--|-------------------------|
| Contract: Henham Road, Elsenham | | Client: Bloor Homes | | Trial Pit: TP102 | |
| Contract Ref: 1921748 | | Start: 08.10.21 End: 08.10.21 | Ground Level (m AOD): 95.13 | National Grid Co-ordinate: E:553555.0 N:227240.3 | Sheet: 1 of 1 |

| Samples and In-situ Tests | | | | Water | Backfill | Description of Strata | Depth (Thickness) | Material Graphic Legend |
|---------------------------|----|------|---------|-------|----------|--|---|--|
| Depth | No | Type | Results | | | | | |
| 0.20 | 1 | ES | 2% | | | Crop stubble over dark brown organic silty gravelly fine to coarse SAND. Gravel is angular to well rounded fine to coarse of flint. Abundant rootlets. (TOPSOIL) | (0.30) |  |
| 0.40 | 1 | B | | | | Brown slightly gravelly silty fine to medium SAND. Gravel is angular to rounded of fine occasionally medium flint. (SUB SOIL) | (0.50) |  |
| 0.50 | | CBR | | | | (0.80) |  | |
| 1.20 | 1 | D | | | | (Loose) light yellowish grey fine to medium occasionally coarse SAND. Rare fine subangular to subrounded flint gravel. | (1.85) |  |
| 2.00-2.50 | 2 | B | | | | | | |
| 2.20 | 2 | D | | | | | | |
| | | | | | | | 2.65 |  |
| | | | | | | Trial pit terminated at 2.65 mbgl. Unable to excavate deeper owing to pit collapse/instability. | | |

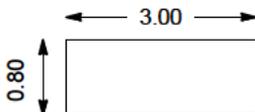
GINT_L_BRARY_V10_01.GLB LibVersion: v8.07 | Log TRIAL PIT LOG - A4P | 1921748-ELSENHAM.GPJ - v10_01.
RSK Environment Ltd, 18 Frogmore Road, Hemel Hempstead, Hertfordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk | 20/10/21 - 10:21 | SG6 |

| | | | | | |
|---|-------------------------------|---|--------------------------|---|--|
| Plan (Not to Scale) | | General Remarks | | | |
|  | | <ol style="list-style-type: none"> 1. Trial pit wall collapse on long sides of pit. 2. Running sand into base of pit. 3. Groundwater ingress at 2.50 mbgl. 4. Trial pit backfilled with arisings. | | | |
| | | All dimensions in metres | | Scale: 1:25 | |
| Method Used: Machine dug | Plant Used: JCB-3CX | Logged By: TJohnson | Checked By: AT |  | |

| | | | | |
|--|--|------------------------------------|---|-------------------------|
| Contract: Henham Road, Elsenham | | Client: Bloor Homes | | Trial Pit: TP103 |
| Contract Ref: 1921748 | Start: 08.10.21 End: 08.10.21 | Ground Level (m AOD): 96.29 | National Grid Co-ordinate: E:553625.0 N:227170.5 | Sheet: 1 of 1 |

| Samples and In-situ Tests | | | | Water | Backfill | Description of Strata | Depth (Thickness) | Material Graphic Legend |
|---------------------------|----|----------|--|-------|--|------------------------------------|--|-------------------------|
| Depth | No | Type | Results | | | | | |
| 0.20 | 1 | ES | 3% | | Crop stubble over dark brown organic silty gravelly fine to coarse SAND. Gravel is angular to well rounded fine to coarse flint. Abundant rootlets. (TOPSOIL) | (0.35) |  | |
| 0.45 0.50 | 1 | D CBR | | | Brown crumbly slightly gravelly silty fine to medium SAND. Gravel is angular to rounded of fine to medium flint. ... locally very weakly cemented at 0.90 mbgl. | (0.90) |  | |
| 1.10 | 2 | D | (Loose) light yellowish brown fine to medium occasionally coarse SAND. Rare angular to subrounded fine to medium flint gravel. | | 1.25 | | | |
| 1.50 | 3 | D | | | | | | |
| 2.00-2.50 | 1 | B | | | | (2.10) |  | |
| | | | | | | | 3.35 | |
| | | | | | | Trial pit terminated at 3.35 mbgl. | | |

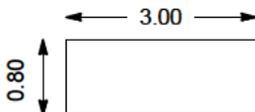
GINT_L_BRARY_V10_01.GLB LibVersion: v8_07 | Log TRIAL PIT LOG - A4P | 1921748-ELSENHAM.GPJ - v10_01.
RSK Environment Ltd, 18 Frogmore Road, Hemel Hempstead, Hertfordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk | 20/10/21 - 10:21 | SG6 |

| | | | | |
|---|----------------------------|--|-----------------------|---|
| Plan (Not to Scale) | | General Remarks | | |
|  | | <ol style="list-style-type: none"> No groundwater encountered. Partial pit wall collapse. Trial pit backfilled with arisings. | | |
| All dimensions in metres | | Scale: 1:25 | | |
| Method Used: Machine dug | Plant Used: JCB-3CX | Logged By: TJohnson | Checked By: AT |  |

| | | | | |
|---|--|--|--|----------------------------|
| Contract: Henham Road, Elsenham | | Client: Bloor Homes | | Trial Pit: TP104 |
| Contract Ref: 1921748 | Start: 08.10.21 End: 08.10.21 | Ground Level (m AOD): 102.84 | National Grid Co-ordinate: E:553777.2 N:227050.3 | Sheet: 1 of 1 |

| Samples and In-situ Tests | | | | Water | Backfill | Description of Strata | Depth (Thickness) | Material Graphic Legend |
|---------------------------|----|----------|---------|-------|-------------------------|--|-------------------|-------------------------|
| Depth | No | Type | Results | | | | | |
| 0.20 | 1 | ES | 4% | | [Cross-hatched pattern] | Crop stubble over dark brown organic sandy gravelly SILT. Sand is fine to coarse. Gravel is angular to rounded fine to medium occasionally coarse of flint. Abundant rootlets. (TOPSOIL) | (0.30) | [Symbol: x] |
| 0.50 | 1 | D CBR | | | | Firm brown sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to well rounded fine to coarse of flint with rare fine chalk. (SUB SOIL) | (0.35) | [Symbol: o] |
| 0.90 | 2 | D | | | | Stiff to very stiff friable grey speckled white locally orangish brown slightly sandy gravelly CLAY. (LOWESTOFT FORMATION) | (2.30) | [Symbol: o] |
| 1.90 | 3 | D | | | | | | |
| 2.90 | 4 | D | | | | Trial pit terminated at 2.95 mbgl. | 2.95 | [Symbol: o] |

GINT_L_BRARY_V10_01.GLB LibVersion: v8_07 | Log TRIAL PIT LOG - AAP | 1921748-ELSENHAM.GPJ - v10_01.
RSK Environment Ltd, 18 Frogmore Road, Hemel Hempstead, Hertfordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk | 20/10/21 - 10:21 | SG6 |

| | | | | |
|---|-------------------------------|---|--------------------------|---|
| Plan (Not to Scale) | | General Remarks | | |
|  | | <ol style="list-style-type: none"> No groundwater encountered. Pit walls stable. Trial pit backfilled with arisings. | | |
| All dimensions in metres | | Scale: 1:25 | | |
| Method Used: Machine dug | Plant Used: JCB-3CX | Logged By: TJohnson | Checked By: AT |  |

| | | | | | |
|--|--|--|------------------------------------|---|----------------------|
| Contract: Henham Road, Elsenham | | Client: Bloor Homes | | Trial Pit: TP105 | |
| Contract Ref: 1921748 | | Start: 08.10.21 End: 08.10.21 | Ground Level (m AOD): 94.62 | National Grid Co-ordinate: E:553538.1 N:226982.5 | Sheet: 1 of 1 |

| Samples and In-situ Tests | | | | Water | Backfill | Description of Strata | Depth (Thickness) | Material Graphic Legend |
|--|----|----------|---------|-------|--|--|-------------------|-------------------------|
| Depth | No | Type | Results | | | | | |
| 0.20 | 1 | ES | 3% | | | Crop stubble over dark brown organic silty gravelly fine to coarse SAND. Gravel is angular to well rounded fine to coarse of flint. Frequent rootlets. (TOPSOIL) | (0.30) | |
| 0.50 | 1 | D CBR | | | | (Loose) brownish grey slightly gravelly firm to coarse SAND. Gravel is angular to rounded fine to medium of flint. (SUB SOIL) | (0.30) | |
| 0.50 | | | | | | (Loose) orangish brown locally mottled grey fine to coarse SAND. | 0.60 | |
| 1.00 | 2 | D | | | | (2.40) | | |
| 2.20 | 3 | D | | | | | | |
| 2.60-3.00 | 1 | B | | | ... slightly gravelly angular to well rounded fine to medium flint at 2.60 mbgl. | 3.00 | | |
| Trial pit terminated at 3.00 mbgl pit wall collapse. | | | | | | | | |

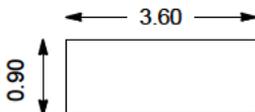
GINT_L_BRARY_V10_01.GLB LibVersion: v8_07 | Log TRIAL PIT LOG - A4P | 1921748-ELSENHAM.GPJ - v10_01.
 RSK Environment Ltd, 18 Frogmore Road, Hemel Hempstead, Hertfordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk | 20/10/21 - 10:21 | SG6 |

| | | | |
|---------------------------------|--|---|--|
| Plan (Not to Scale) | | General Remarks 1. No groundwater encountered. 2. Pit walls unstable, pit wall collapse. 3. Trial pit backfilled with arisings. | |
| Method Used: Machine dug | | Plant Used: JCB-3CX | |
| Logged By: TJohnson | | Checked By: AT | |
| All dimensions in metres | | Scale: 1:25 | |
| | | | |

| | | | | |
|---|--|---------------------------------------|--|----------------------------|
| Contract: Henham Road, Elsenham | | Client: Bloor Homes | | Trial Pit: TP106 |
| Contract Ref: 1921748 | Start: 08.10.21 End: 08.10.21 | Ground Level (m AOD): 92.49 | National Grid Co-ordinate: E:553438.9 N:227031.2 | Sheet: 1 of 1 |

| Samples and In-situ Tests | | | | Water | Backfill | Description of Strata | Depth (Thick ness) | Material Graphic Legend |
|------------------------------------|----|----------|---------|---|-------------------------|--|--------------------|-------------------------|
| Depth | No | Type | Results | | | | | |
| 0.20 | 1 | ES | 5% | | [Cross-hatched pattern] | Crop stubble over dark brown organic silty gravelly fine to coarse SAND. Gravel is angular to well rounded fine to coarse of flint. Frequent rootlets. (TOPSOIL) | (0.30) | [Graphic Legend] |
| 0.50 0.50 | 1 | D CBR | | Greyish brown clayey gravelly fine to coarse SAND. Gravel is angular to well rounded fine to medium flint. (SUB SOIL) | | (0.35) | [Graphic Legend] | |
| 0.80 | 2 | D | | Orangish brown locally grey clayey gravelly fine to coarse SAND with low cobble content. Gravel is angular to well rounded fine to coarse flint. Cobbles are nodular flint. | | (1.05) | [Graphic Legend] | |
| 1.00-1.50 | 1 | B | | | | 1.70 | [Graphic Legend] | |
| 2.60 | 3 | D | | | | (1.75) | [Graphic Legend] | |
| | | | | | | Orangish brown slightly gravelly to gravelly silty fine to coarse SAND. Gravel is angular to well rounded fine to coarse flint. | (3.45) | [Graphic Legend] |
| Trial pit terminated at 3.45 mbgl. | | | | | | | | |

GINT_L_BRARY_V10_01.GLB LibVersion: v8_07 | Log TRIAL PIT LOG - AAP | 1921748-ELSENHAM.GPJ - v10_01.
RSK Environment Ltd, 18 Frogmore Road, Hemel Hempstead, Hertfordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk | 20/10/21 - 10:21 | SG6 |

| | | | | |
|---|-------------------------------|---|--------------------------|---|
| Plan (Not to Scale) | | General Remarks | | |
|  | | <ol style="list-style-type: none"> No groundwater encountered. Pit walls stable. Trial pit backfilled with arisings. | | |
| All dimensions in metres | | Scale: 1:25 | | |
| Method Used: Machine dug | Plant Used: JCB-3CX | Logged By: TJohnson | Checked By: AT |  |

WINDOW SAMPLE LOG

| | | | | | |
|---|--|---------------------------------------|--|--------------------------------|--|
| Contract: Henham Road, Elsenham | | Client: Bloor Homes | | Window Sample: WS101 | |
| Contract Ref: 1921748 | Start: 12.10.21 End: 12.10.21 | Ground Level (m AOD): 91.17 | National Grid Co-ordinate: E:553423.1 N:227145.1 | Sheet: 1 of 2 | |

| Progress Window Run | Samples / Tests | | | | Water Backfill & Instru- mentation | Description of Strata | Depth (Thick- ness) | Material Graphic Legend | |
|------------------------|-----------------|----|------|---------|---|--|--|-------------------------------|--|
| | Depth | No | Type | Results | | | | | |
| | 0.30 | 1 | ES | | | Grass over dark brown silty gravelly fine to coarse SAND with low cobble content. Gravel is angular to subrounded fine to coarse of flint, brick and concrete. Cobbles are subangular bricks and concrete. | (0.75) | | |
| | 0.60 | 1 | D | | | ... becoming clayey at 0.50 mbgl. | 0.75 | | |
| | 0.90 | 3 | D | | | Firm to stiff brown locally mottled grey slightly gravelly sandy CLAY. Sand is fine to medium. Gravel is angular to rounded fine to medium flint. | | | |
| | 1.20-1.65 | 1 | SPT | N=10 | | | | | |
| | 1.30 | 2 | D | | | | ... flint nodule recovered as angular flint gravel at 1.60 mbgl. | (1.55) | |
| | 2.00-2.45 | 1 | SPT | N=12 | | | ... becoming gravelly at 2.00 mbgl. | | |
| | 2.20 | 4 | D | | | | | 2.30 | |
| | 2.50 | 5 | D | | | | Medium dense orangish brown locally streaked grey slightly gravelly silty fine to coarse SAND. | | |
| | 3.00-3.45 | 1 | SPT | N=21 | | | ... becoming slightly silty at 3.30 mbgl. | | |
| | 3.50 | 6 | D | | | | ... locally gravelly at 3.70 mbgl. | (3.15) | |
| | 4.00-4.45 | 1 | SPT | N=15 | | | | | |

G NT_L BRARY_V10_01.GLB LibVersion: v8_07 | Log WINDOW SAMPLE LOG - AAP | 1921748-ELSENHAM.GPJ - v10_01.
 RSK Environment Ltd, 18 Frogmore Road, Hemel Hempstead, Hertfordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk | 20/10/21 - 10:16 | SG6 |

| Drilling Progress and Water Observations | | | | | | General Remarks | | |
|--|--------------------------------|--------------------|------------------|------------------------|-----------------|--------------------------------|-------------|-----------|
| Date | Time | Borehole Depth (m) | Casing Depth (m) | Borehole Diameter (mm) | Water Depth (m) | | | |
| | | | | | | 1. No groundwater encountered. | | |
| All dimensions in metres | | | | | | Scale: | 1:25 | |
| Method Used: | Tracked window sampling | | Plant Used: | Premier 100 | | Drilled By: | KL | |
| | | | | Logged By: | TJohnson | | Checked By: | AT |
| | | | | | | | | |

WINDOW SAMPLE LOG

| | | | | |
|---|--|---------------------------------------|--|--------------------------------|
| Contract: Henham Road, Elsenham | | Client: Bloor Homes | | Window Sample: WS101 |
| Contract Ref: 1921748 | Start: 12.10.21 End: 12.10.21 | Ground Level (m AOD): 91.17 | National Grid Co-ordinate: E:553423.1 N:227145.1 | Sheet: 2 of 2 |

| Progress Window Run | Samples / Tests | | | | Water | Backfill & Instrumentation | Description of Strata | Depth (Thickness) | Material Graphic Legend |
|---|-----------------|----|------|---------|-------|--|-----------------------|---|-------------------------|
| | Depth | No | Type | Results | | | | | |
| 4.00 - 5.00 (45mm dia) 60% rec ▼ | 4.50 | 7 | D | | | Medium dense orangish brown locally streaked grey slightly gravelly silty fine to coarse SAND. <i>(stratum copied from 2.30m from previous sheet)</i> ... locally gravelly at 4.80 mbgl. | 5.45 |  | |
| | | | | | | Window sample hole terminated at 5.45 mbgl. Scheduled depth. | | | |

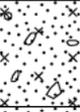
G NT_L BRARY_V10_01.GLB LibVersion: v8_07 | Log W NDOW SAMPLE LOG - A4P | 1921748-ELSENHAM.GPJ - v10_01.
 RSK Environment Ltd, 18 Frogmore Road, Hemel Hempstead, Hertfordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk | 20/10/21 - 10:16 | SG6 |

| Drilling Progress and Water Observations | | | | | | General Remarks |
|--|--------------------------------|--------------------|------------------|------------------------|-----------------|--|
| Date | Time | Borehole Depth (m) | Casing Depth (m) | Borehole Diameter (mm) | Water Depth (m) | |
| | | | | | | |
| All dimensions in metres | | | | | | Scale: 1:25 |
| Method Used: | Tracked window sampling | | Plant Used: | Premier 100 | | Drilled By: KL Logged By: TJohnson Checked By: AT |



WINDOW SAMPLE LOG

| | | | | | |
|---|--|---------------------------------------|--|--------------------------------|--|
| Contract: Henham Road, Elsenham | | Client: Bloor Homes | | Window Sample: WS102 | |
| Contract Ref: 1921748 | Start: 11.10.21 End: 11.10.21 | Ground Level (m AOD): 97.79 | National Grid Co-ordinate: E:553631.5 N:227085.4 | Sheet: 1 of 2 | |

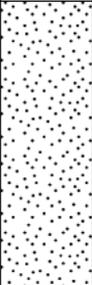
| Progress Window Run | Samples / Tests | | | | Water | Backfill | Description of Strata | Depth (Thickness) | Material Graphic Legend |
|------------------------|-----------------|----|------|---------|-------|---|-----------------------|--|-------------------------------|
| | Depth | No | Type | Results | | | | | |
| | 0.20 | 1 | ES | | | Crop stubble over dark brown organic silty gravelly fine to coarse SAND. Gravel is angular to well rounded fine to medium flint. Frequent rootlets. (TOPSOIL) | (0.30) |  | |
| | 0.50 | 1 | D | | | Brown gravelly to very gravelly silty fine to coarse SAND. Gravel is angular to well rounded fine to coarse flint. (SUB SOIL) | (0.35) |  | |
| | 0.80 | 2 | D | | | Medium dense orangish brown fine to medium SAND. ... becoming light yellowish grey at 2.50 mbgl. | 0.65 |  | |
| | 1.20-1.65 | 1 | SPT | N=28 | | | | | |
| | 1.30 | 3 | D | | | | | | |
| | 1.90 | 4 | D | | | | | | |
| | 2.00-2.45 | 1 | SPT | N=25 | | | | | |
| | 2.70 | 5 | D | | | | | | |
| | 3.00-3.45 | 1 | SPT | N=30 | | | | (4.80) | |
| | 4.00-4.45 | 1 | SPT | N=17 | | | | | |
| | 4.00 | 6 | D | | | | | | |

G:\NT_L_BRARY_V10_01_GLB Lib\Version: v8_07 | Log WINDOW SAMPLE LOG - A4P | 1921748-ELSENHAM.GPJ - v10_01.
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| Drilling Progress and Water Observations | | | | | | General Remarks | |
|---|--------------------------------|--------------------|------------------|------------------------|-----------------|---|-----------------|
| Date | Time | Borehole Depth (m) | Casing Depth (m) | Borehole Diameter (mm) | Water Depth (m) | | |
| | | | | | | 1. No groundwater encountered. 2. Window sample hole backfilled with arisings. | |
| All dimensions in metres | | | | | | Scale: | 1:25 |
| Method Used: | Tracked window sampling | | Plant Used: | Premier 100 | | Drilled By: | KL |
| | | | | | | Logged By: | TJohnson |
| | | | | | | Checked By: | AT |
|  | | | | | | | |

WINDOW SAMPLE LOG

| | | | | |
|---|--|---------------------------------------|--|--------------------------------|
| Contract: Henham Road, Elsenham | | Client: Bloor Homes | | Window Sample: WS102 |
| Contract Ref: 1921748 | Start: 11.10.21 End: 11.10.21 | Ground Level (m AOD): 97.79 | National Grid Co-ordinate: E:553631.5 N:227085.4 | Sheet: 2 of 2 |

| Progress Window Run | Samples / Tests | | | | Water | Backfill | Description of Strata | Depth (Thickness) | Material Graphic Legend |
|------------------------|-----------------|----|------|---------|-------|----------|---|-------------------|---|
| | Depth | No | Type | Results | | | | | |
| | 5.00-5.45 | 1 | SPT | N=50 | | | Medium dense orangish brown fine to medium SAND. <i>(stratum copied from 0.65m from previous sheet)</i> ... dense at 5.00 mbgl. | 5.45 |  |
| | | | | | | | Window sample hole terminated at 5.45 mbgl. Scheduled depth. | | |

G:\NT_L_BRARY_V10_01_GLB Lib\Version: v8_07 | Log W NDOW SAMPLE LOG - A4P | 1921748-ELSENHAM.GPJ - v10_01.
 RSK Environment Ltd, 18 Frogmore Road, Hemel Hempstead, Hertfordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk | 20/10/21 - 10:16 | SG6 |

| Drilling Progress and Water Observations | | | | | | General Remarks | | | | | | |
|--|--------------------------------|--------------------|------------------|------------------------|-----------------|-----------------|-------------|------------|-----------------|-------------|-----------|---|
| Date | Time | Borehole Depth (m) | Casing Depth (m) | Borehole Diameter (mm) | Water Depth (m) | | | | | | | |
| | | | | | | | | | | | | |
| All dimensions in metres | | | | | | Scale: | 1:25 | | | | | |
| Method Used: | Tracked window sampling | | Plant Used: | Premier 100 | | Drilled By: | KL | Logged By: | TJohnson | Checked By: | AT |  |

WINDOW SAMPLE LOG

| | | | | | |
|---|--|--|--|--------------------------------|--|
| Contract: Henham Road, Elsenham | | Client: Bloor Homes | | Window Sample: WS103 | |
| Contract Ref: 1921748 | Start: 12.10.21 End: 12.10.21 | Ground Level (m AOD): 102.72 | National Grid Co-ordinate: E:553784.1 N:227141.7 | Sheet: 1 of 2 | |

| Progress Window Run | Samples / Tests | | | | Water | Backfill | Description of Strata | Depth (Thickness) | Material Graphic Legend |
|------------------------|-----------------|----|------|---------------------|-------|---|-----------------------|----------------------|-------------------------------|
| | Depth | No | Type | Results | | | | | |
| | 0.20 | 1 | ES | | | Crop stubble over dark brown organic sandy gravelly SILT. Sand is fine to coarse. Gravel is angular to well rounded fine to medium of flint. Numerous rootlets. (TOPSOIL) | (0.30) | | |
| | 0.50 | 1 | D | c _u =100 | | Firm brown sandy to very sandy gravelly CLAY. Sand is fine. Gravel is angular to rounded fine to medium flint. (SUB SOIL) | (0.40) | | |
| | 0.60 | HP | | | 0.70 | | | | |
| | 0.90 | 2 | D | | | Stiff to very stiff light brownish grey with white speckles slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded chalk and flint. (LOWESTOFT FORMATION) | (3.75) | | |
| | 1.20-1.65 | 1 | SPT | N=24 | | | | | |
| | 1.50 | 3 | D | | | ... becoming orangish brown at 3.90 mbgl. | (3.75) | | |
| | 2.00-2.45 | 1 | SPT | N=19 | | | | | |
| | 2.20 | 4 | D | | | ... becoming orangish brown at 3.90 mbgl. | (3.75) | | |
| | 2.40 | 5 | D | | | | | | |
| | 3.00-3.45 | 1 | SPT | N=23 | | ... becoming orangish brown at 3.90 mbgl. | (3.75) | | |
| | 3.70 | 6 | D | | | | | | |
| | 4.00-4.45 | 1 | SPT | N=50 | | ... becoming orangish brown at 3.90 mbgl. | 4.45 | | |

Window sample hole terminated at 4.45 mbgl owing to SPT refusal.

| Drilling Progress and Water Observations | | | | | | General Remarks | | |
|--|--------------------------------|--------------------|------------------|------------------------|-----------------|---|-------------|-----------|
| Date | Time | Borehole Depth (m) | Casing Depth (m) | Borehole Diameter (mm) | Water Depth (m) | | | |
| | | | | | | 1. No groundwater encountered. 2. Window sample hole backfilled with arisings. | | |
| All dimensions in metres | | | | | | Scale: | 1:25 | |
| Method Used: | Tracked window sampling | | Plant Used: | Premier 100 | | Drilled By: | KL | |
| | | | | Logged By: | TJohnson | | Checked By: | AT |
| | | | | | | | | |

G NT_L BRARY_V10_01.GLB LibVersion: v8_07 | Log W NDOW SAMPLE LOG - AAP | 1921748-ELSENHAM.GPJ - v10_01.
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WINDOW SAMPLE LOG

| | | | | | |
|--|--|------------------------------------|---|-----------------------------|--|
| Contract: Henham Road, Elsenham | | Client: Bloor Homes | | Window Sample: WS104 | |
| Contract Ref: 1921748 | Start: 12.10.21 End: 12.10.21 | Ground Level (m AOD): 98.47 | National Grid Co-ordinate: E:553646.8 N:226998.9 | Sheet: 1 of 2 | |

| Progress Window Run | Samples / Tests | | | | Water | Backfill | Description of Strata | Depth (Thick ness) | Material Graphic Legend |
|------------------------|-------------------|--------|----------|---------|-------|---|-----------------------|--|-------------------------|
| | Depth | No | Type | Results | | | | | |
| | 0.20 | 1 | ES | | | Crop stubble over dark brown organic silty gravelly fine to coarse SAND. Gravel is angular to well rounded fine to medium flint. Frequent rootlets. (TOPSOIL) | (0.30) |  | |
| | 0.40 | 1 | D | | | Brown slightly gravelly silty fine to coarse SAND. Gravel is angular to rounded fine to medium flint. (SUB SOIL) | 0.30 0.50 |  | |
| | 0.90 | 2 | D | | | Yellowish brown fine to medium occasionally coarse SAND. | |  | |
| | 1.20-1.65 1.20 | 1 3 | SPT D | N=17 | | ... medium dense at 1.20 mbgl. | (2.00) |  | |
| | 2.00-2.45 2.00 | 1 4 | SPT D | N=12 | | ... becoming orangish brown at 1.90 mbgl. | 2.50 |  | |
| | 3.00-3.45 3.00 | 1 5 | SPT D | N=22 | | ... rare fine gravel of subangular to subrounded chalk, flint and quartz at 3.50 mbgl. | (2.95) |  | |
| | 4.00-4.45 4.00 | 1 6 | SPT D | N=24 | | | |  | |

G NT_L BRARY_V10_01.GLB LibVersion: v8_07 | Log W NDOW SAMPLE LOG - A4P | 1921748-ELSENHAM.GPJ - v10_01.
 RSK Environment Ltd, 18 Frogmore Road, Hemel Hempstead, Hertfordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk | 20/10/21 - 10:16 | SG6 |

| Drilling Progress and Water Observations | | | | | | General Remarks | |
|--|--------------------------------|--------------------|------------------|------------------------|-----------------|---|---|
| Date | Time | Borehole Depth (m) | Casing Depth (m) | Borehole Diameter (mm) | Water Depth (m) | | |
| | | | | | | 1. No groundwater encountered. 2. Window sample hole backfilled with arisings. | |
| All dimensions in metres | | | | | | Scale: | 1:25 |
| Method Used: | Tracked window sampling | | Plant Used: | Premier 100 | | Drilled By: | KL |
| | | | | Logged By: | TJohnson | | Checked By: AT |
| | | | | | | |  |

WINDOW SAMPLE LOG

| | | | | |
|---|--|---------------------------------------|--|--------------------------------|
| Contract: Henham Road, Elsenham | | Client: Bloor Homes | | Window Sample: WS104 |
| Contract Ref: 1921748 | Start: 12.10.21 End: 12.10.21 | Ground Level (m AOD): 98.47 | National Grid Co-ordinate: E:553646.8 N:226998.9 | Sheet: 2 of 2 |

| Progress Window Run | Samples / Tests | | | | Water | Backfill | Description of Strata | Depth (Thickness) | Material Graphic Legend |
|---|-----------------|----|------|---------|-------|----------|--|-------------------|---|
| | Depth | No | Type | Results | | | | | |
| 4.00 - 5.00 (45mm dia) 30% rec ▼ | 5.00-5.45 | 1 | SPT | N=25 | | | Medium dense light yellowish grey fine to coarse SAND. <i>(stratum copied from 2.50m from previous sheet)</i> | 5.45 |  |
| | | | | | | | Window sample hole terminated at 5.45mbgl. Scheduled depth. | | |

G NT_L BRARY_V10_01.GLB LibVersion: v8_07_001 PnVersion: v8_07 | Log WINDOW SAMPLE LOG - A4P | 1921748-ELSENHAM.GPJ - v10_01.
 RSK Environment Ltd, 18 Frogmore Road, Hemel Hempstead, Hertfordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk | 20/10/21 - 10:16 | SG6 |

| Drilling Progress and Water Observations | | | | | | General Remarks |
|--|--------------------------------|--------------------|------------------|------------------------|-----------------|--|
| Date | Time | Borehole Depth (m) | Casing Depth (m) | Borehole Diameter (mm) | Water Depth (m) | |
| | | | | | | |
| All dimensions in metres | | | | | | Scale: 1:25 |
| Method Used: | Tracked window sampling | | Plant Used: | Premier 100 | | Drilled By: KL Logged By: TJohnson Checked By: AT |



WINDOW SAMPLE LOG

| | | | | | |
|---|--|---------------------------------------|--|--------------------------------|--|
| Contract: Henham Road, Elsenham | | Client: Bloor Homes | | Window Sample: WS105 | |
| Contract Ref: 1921748 | Start: 12.10.21 End: 12.10.21 | Ground Level (m AOD): 91.84 | National Grid Co-ordinate: E:553406.4 N:226925.5 | Sheet: 1 of 2 | |

| Progress | | Samples / Tests | | | Water | Backfill & Instrumentation | Description of Strata | Depth (Thick ness) | Material Graphic Legend |
|------------|-----------|-----------------|--------|---------|-------|---|-----------------------|---|-------------------------|
| Window Run | Depth | No | Type | Results | | | | | |
| | 0.30 | 1 | ES | | | MADE GROUND: Tall grass over brown slightly organic silty gravelly fine to coarse SAND. Gravel is angular to subrounded fine to medium flint, sandstone with rare slag. | |  | |
| | 0.60 | 1 | D | | | | (1.20) | | |
| | 1.20-1.65 | 1 | SPT(c) | N=17 | | Medium dense yellowish brown sandy GRAVEL. Sand is fine to coarse. Gravel is angular to subangular fine occasionally medium flint. | 1.20 |  | |
| | 1.60 | 2 | D | | | Medium dense orangish brown locally streaked grey silty fine to medium SAND. ... becoming very silty at 1.80 mbgl. | 1.40 |  | |
| | 2.00-2.45 | 1 | SPT | N=18 | | Medium dense brownish grey silty to very silty locally slightly gravelly fine SAND. Gravel is angular fine flint. ... locally gravelly at 2.50 mbgl. | 1.60 |  | |
| | 2.00 | 3 | D | | | | 2.30 | | |
| | 2.50 | 4 | D | | | Medium dense brownish grey silty to very silty locally slightly gravelly fine SAND. Gravel is angular fine flint. ... locally gravelly at 2.50 mbgl. | 2.50 |  | |
| | 3.00-3.45 | 1 | SPT | N=20 | | | 3.00 | | |
| | 3.00 | 5 | D | | | Medium dense brownish grey silty to very silty locally slightly gravelly fine SAND. Gravel is angular fine flint. ... locally gravelly at 2.50 mbgl. | 3.00 |  | |
| | 3.60 | 6 | D | | | | (3.15) | | |
| | 4.00-4.45 | 1 | SPT(c) | N=27 | | Medium dense brownish grey silty to very silty locally slightly gravelly fine SAND. Gravel is angular fine flint. ... becoming brown with orangish brown streaks. Very silty at 4.20 mbgl. | 4.00 |  | |

G NT_L BRARY_V10_01.GLB LibVersion: v8_07 | Log W NDOW SAMPLE LOG - A4P | 1921748-ELSENHAM.GPJ - v10_01. RSK Environment Ltd, 18 Frogmore Road, Hemel Hempstead, Hertfordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk | 20/10/21 - 10:16 | SG6 |

| Drilling Progress and Water Observations | | | | | | General Remarks | |
|--|--------------------------------|--------------------|------------------|------------------------|-----------------|--------------------------------|---|
| Date | Time | Borehole Depth (m) | Casing Depth (m) | Borehole Diameter (mm) | Water Depth (m) | | |
| | | | | | | 1. No groundwater encountered. | |
| All dimensions in metres | | | | | | Scale: | 1:25 |
| Method Used: | Tracked window sampling | | Plant Used: | Premier 100 | | Drilled By: | KL |
| | | | | | | Logged By: | TJohnson |
| | | | | | | Checked By: | AT |
| | | | | | | |  |

WINDOW SAMPLE LOG

| | | | | |
|---|--|---------------------------------------|--|--------------------------------|
| Contract: Henham Road, Elsenham | | Client: Bloor Homes | | Window Sample: WS105 |
| Contract Ref: 1921748 | Start: 12.10.21 End: 12.10.21 | Ground Level (m AOD): 91.84 | National Grid Co-ordinate: E:553406.4 N:226925.5 | Sheet: 2 of 2 |

| Progress Window Run | Samples / Tests | | | Water | Backfill & Instrumentation | Description of Strata | Depth (Thickness) | Material Graphic Legend |
|------------------------|-----------------|----|--------|-------|---|---|-------------------|---|
| | Depth | No | Type | | | | | |
| | 4.60 | 7 | D | |  | Medium dense brownish grey silty to very silty locally slightly gravelly fine SAND. Gravel is angular fine flint. (stratum copied from 2.30m from previous sheet) | |  |
| | 5.00-5.45 | 1 | SPT(c) | N=23 | | 5.45 | | |
| | | | | | | Window sample hole terminated at 5.45 mbgl. Scheduled depth. | | |

G:\NT_L_BRARY_V10_01_GLB Lib\Version: v8_07 | Log W NDOW SAMPLE LOG - A4P | 1921748-ELSENHAM.GPJ - v10_01. RSK Environment Ltd, 18 Frogmore Road, Hemel Hempstead, Hertfordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk | 20/10/21 - 10:16 | SG6 |

| Drilling Progress and Water Observations | | | | | | General Remarks | | | | | | |
|--|--------------------------------|--------------------|------------------|------------------------|-----------------|--------------------------|--------------------|------------|-----------------|-------------|-----------|---|
| Date | Time | Borehole Depth (m) | Casing Depth (m) | Borehole Diameter (mm) | Water Depth (m) | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | All dimensions in metres | Scale: 1:25 | | | | | |
| Method Used: | Tracked window sampling | | Plant Used: | Premier 100 | | Drilled By: | KL | Logged By: | TJohnson | Checked By: | AT |  |

WINDOW SAMPLE LOG

| | | | | | |
|--|--|------------------------------------|---|-----------------------------|--|
| Contract: Henham Road, Elsenham | | Client: Bloor Homes | | Window Sample: WS106 | |
| Contract Ref: 1921748 | Start: 12.10.21 End: 12.10.21 | Ground Level (m AOD): 89.50 | National Grid Co-ordinate: E:553325.3 N:227031.6 | Sheet: 1 of 2 | |

| Progress Window Run | Samples / Tests | | | | Water | Backfill | Description of Strata | Depth (Thickness) | Material Graphic Legend |
|------------------------|-----------------|----|--------|---------|-------|--|-----------------------|-------------------|-------------------------|
| | Depth | No | Type | Results | | | | | |
| | 0.20 | 1 | ES | | | Crop stubble over dark brown organic sandy gravelly SILT. Sand is fine to coarse. Gravel is angular to subrounded fine to medium flint. Frequent rootlets. (TOPSOIL) | (0.30) | | |
| | 0.70 | 1 | D | | | Firm light brown locally grey slightly gravelly sandy CLAY. Sand is fine to medium. Gravel is angular to subrounded fine occasionally medium of flint. | (1.10) | | |
| | 1.10 | 2 | D | | | | | | |
| | 1.20-1.65 | 1 | SPT | N=7 | | | | | |
| | 1.60 | 3 | D | | | Firm to stiff orangish brown sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded flint. | (1.25) | | |
| | 2.00-2.45 | 1 | SPT(c) | N=18 | | | | | |
| | 2.50 | 4 | D | | | | | | |
| | 3.00-3.45 | 1 | SPT | N=10 | | Firm orangish brown sandy to very sandy CLAY. Sand is fine. | (2.80) | | |
| | 3.40 | 5 | D | | | | | | |
| | 4.00-4.45 | 1 | SPT | N=8 | | | | | |
| | 4.40 | 6 | D | | | | | | |

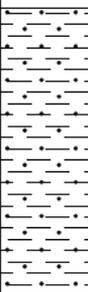
G:\NT_L_BRARY_V10_01_GLB Lib\Version: v8_07 | Log WINDOW SAMPLE LOG - A4P | 1921748-ELSENHAM.GPJ - v10_01.
RSK Environment Ltd, 18 Frogmore Road, Hemel Hempstead, Hertfordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk | 20/10/21 - 10:17 | SG6 |

| Drilling Progress and Water Observations | | | | | | General Remarks | |
|--|--------------------------------|--------------------|------------------|------------------------|-----------------|---|-------------|
| Date | Time | Borehole Depth (m) | Casing Depth (m) | Borehole Diameter (mm) | Water Depth (m) | | |
| | | | | | | 1. No groundwater encountered. 2. Window sample hole backfilled with arisings. | |
| All dimensions in metres | | | | | | Scale: | 1:25 |
| Method Used: | Tracked window sampling | | Plant Used: | Premier 100 | | Drilled By: | KL |
| | | | | Logged By: | TJohnson | | Checked By: |
| | | | | | | | AT |



WINDOW SAMPLE LOG

| | | | | |
|---|--|---------------------------------------|--|--------------------------------|
| Contract: Henham Road, Elsenham | | Client: Bloor Homes | | Window Sample: WS106 |
| Contract Ref: 1921748 | Start: 12.10.21 End: 12.10.21 | Ground Level (m AOD): 89.50 | National Grid Co-ordinate: E:553325.3 N:227031.6 | Sheet: 2 of 2 |

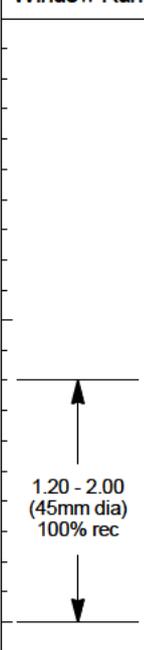
| Progress Window Run | Samples / Tests | | | | Water | Backfill | Description of Strata | Depth (Thickness) | Material Graphic Legend |
|---|-----------------|----|------|---------|-------|----------|---|-------------------|---|
| | Depth | No | Type | Results | | | | | |
| 4.00 - 5.00 (45mm dia) 50% rec ▼ | 5.00-5.45 | 1 | SPT | N=12 | | | Firm orangish brown sandy to very sandy CLAY. Sand is fine. <i>(stratum copied from 2.65m from previous sheet)</i> | 5.45 |  |
| | | | | | | | Window sample hole terminated at 5.45 mbgl. Scheduled depth. | | |

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| Drilling Progress and Water Observations | | | | | | General Remarks |
|--|--------------------------------|--------------------|------------------|----------------------------|-----------------------|---|
| Date | Time | Borehole Depth (m) | Casing Depth (m) | Borehole Diameter (mm) | Water Depth (m) | |
| | | | | | | |
| All dimensions in metres | | | | | | Scale: 1:25 |
| Method Used: | Tracked window sampling | | Plant Used: | Premier 100 | | Drilled By: KL |
| | | | | Logged By: TJohnson | Checked By: AT |  |

WINDOW SAMPLE LOG

| | | | | | |
|---|--|--|--|--------------------------------|--|
| Contract: Henham Road, Elsenham | | Client: Bloor Homes | | Window Sample: WS107 | |
| Contract Ref: 1921748 | Start: 12.10.21 End: 12.10.21 | Ground Level (m AOD): 100.21 | National Grid Co-ordinate: E:553769.2 N:227297.0 | Sheet: 1 of 1 | |

| Progress Window Run | Samples / Tests | | | | Water | Backfill | Description of Strata | Depth (Thick ness) | Material Graphic Legend |
|---|-----------------|--------|------|---------|-------|---|-----------------------|--|-------------------------------|
| | Depth | No | Type | Results | | | | | |
|  <p>1.20 - 2.00 (45mm dia) 100% rec</p> | 0.20 | 1 | ES | | | MADE GROUND: Crop stubble over dark brown organic sandy gravelly SILT. Sand is fine to coarse. Gravel is angular to rounded fine to medium occasionally coarse of flint. Abundant rootlets. (TOPSOIL) | (0.30) 0.30 | | |
| | 0.50 | 2 | ES | | | MADE GROUND: Dark brown to black ashy silty gravelly fine to coarse SAND. Gravel is angular to subrounded fine to coarse of flint, charcoal and red clay pottery. | (0.30) 0.60 | | |
| | 0.75 | 1 | D | | | Stiff to very stiff light brownish grey with white specks slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to well rounded of chalk and flint. (LOWESTOFT FORMATION) | | | |
| | 1.20-1.65 | 1 | SPT | N=17 | | | | | |
| | 1.50 | 2 | D | | | | | (1.85) | |
| | 1.90 | 3 | D | | | | | ... becoming orangish brown and very sandy at 1.80 mbgl. | |
| 2.00-2.45 | 1 | SPT(c) | N=50 | 2.45 | | | | | |
| Window sample hole terminated at 2.45 mbgl owing to SPT refusal. | | | | | | | | | |

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| Drilling Progress and Water Observations | | | | | | General Remarks | | | | | | |
|--|--------------------------------|--------------------|------------------|------------------------|-----------------|---|-------------|------------|-----------------|-------------|-----------|---|
| Date | Time | Borehole Depth (m) | Casing Depth (m) | Borehole Diameter (mm) | Water Depth (m) | | | | | | | |
| | | | | | | 1. No groundwater encountered. 2. Window sample hole backfilled with arisings. | | | | | | |
| All dimensions in metres | | | | | | Scale: | 1:25 | | | | | |
| Method Used: | Tracked window sampling | | Plant Used: | Premier 100 | | Drilled By: | KL | Logged By: | TJohnson | Checked By: | AT |  |

WINDOW SAMPLE LOG

| | | | | | |
|---|--|---------------------------------------|--|--------------------------------|--|
| Contract: Henham Road, Elsenham | | Client: Bloor Homes | | Window Sample: WS108 | |
| Contract Ref: 1921748 | Start: 12.10.21 End: 12.10.21 | Ground Level (m AOD): 95.52 | National Grid Co-ordinate: E:553569.9 N:226878.1 | Sheet: 1 of 2 | |

| Progress Window Run | Samples / Tests | | | | Water | Backfill | Description of Strata | Depth (Thick ness) | Material Graphic Legend |
|--------------------------------|-----------------|----|------|---------|-------|---|-----------------------|--------------------|-------------------------|
| | Depth | No | Type | Results | | | | | |
| | 0.20 | 1 | ES | | | Crop stubble over dark brown organic slightly gravelly silty fine to medium occasionally coarse SAND. Gravel is angular to well rounded flint. Frequent rootlets. (TOPSOIL) | (0.30) | | |
| | 0.40 | 1 | D | | | Brown slightly gravelly silty fine to medium occasionally coarse SAND. Gravel is angular to subrounded flint. (SUB SOIL) | 0.30 | | |
| | 0.90 | 2 | D | | | Medium dense orangish brown slightly silty fine to medium SAND. | 0.50 | | |
| | 1.20-1.65 | 1 | SPT | N=24 | | | (2.80) | | |
| | 1.30 | 3 | D | | | | | | |
| 1.20 - 2.00 (45mm dia) 80% rec | 2.00-2.45 | 1 | SPT | N=28 | | | (2.80) | | |
| | 2.00 | 4 | D | | | | | | |
| 2.00 - 3.00 (45mm dia) 70% rec | 2.60 | 5 | D | | | | (2.80) | | |
| | 3.00-3.45 | 1 | SPT | N=22 | | ... locally grey at 3.00 mbgl. | | | |
| | 3.20 | 6 | D | | | | 3.30 | | |
| 3.00 - 4.00 (45mm dia) 60% rec | 4.00-4.45 | 1 | SPT | N=22 | | Medium dense brown fine to coarse SAND with rare subrounded fine flint and quartz gravel. | (2.15) | | |
| | 4.00 | | | | | | (2.15) | | |

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| Drilling Progress and Water Observations | | | | | | General Remarks |
|--|--------------------------------|--------------------|------------------|------------------------|-----------------|---|
| Date | Time | Borehole Depth (m) | Casing Depth (m) | Borehole Diameter (mm) | Water Depth (m) | |
| | | | | | | 1. Groundwater encountered at 3.50 mbgl. 2. Window sample hole backfilled with arisings. |
| All dimensions in metres | | | | | | Scale: 1:25 |
| Method Used: | Tracked window sampling | | Plant Used: | Premier 100 | | Drilled By: KL |
| | | | | Logged By: | TJohnson | |
| | | | | Checked By: | AT | |
| | | | | | | |

WINDOW SAMPLE LOG

| | | | | |
|--|--|------------------------------------|---|-----------------------------|
| Contract: Henham Road, Elsenham | | Client: Bloor Homes | | Window Sample: WS108 |
| Contract Ref: 1921748 | Start: 12.10.21 End: 12.10.21 | Ground Level (m AOD): 95.52 | National Grid Co-ordinate: E:553569.9 N:226878.1 | Sheet: 2 of 2 |

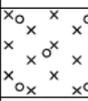
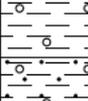
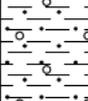
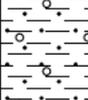
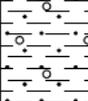
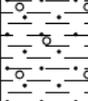
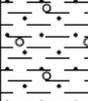
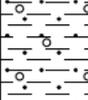
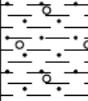
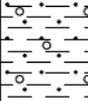
| Progress Window Run | Samples / Tests | | | | Water | Backfill | Description of Strata | Depth (Thickness) | Material Graphic Legend |
|---|-----------------|----|------|---------|-------|----------|---|-------------------|-------------------------|
| | Depth | No | Type | Results | | | | | |
| 4.00 - 5.00 (45mm dia) 40% rec ▼ | 4.60 | 7 | D | | | | Medium dense brown fine to coarse SAND with rare subrounded fine flint and quartz gravel. <i>(stratum copied from 3.30m from previous sheet)</i> | | |
| | 5.00-5.45 | 1 | SPT | N=27 | | | | | |
| | | | | | | | Window sample hole terminated at 5.45 mbgl. Scheduled depth. | 5.45 | |

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| Drilling Progress and Water Observations | | | | | | General Remarks |
|---|--------------------------------|--------------------|-----------------------|----------------------------|-----------------------|---|
| Date | Time | Borehole Depth (m) | Casing Depth (m) | Borehole Diameter (mm) | Water Depth (m) | |
| | | | | | | |
| All dimensions in metres | | | | | | Scale: 1:25 |
| Method Used: Tracked window sampling | Plant Used: Premier 100 | | Drilled By: KL | Logged By: TJohnson | Checked By: AT |  |

WINDOW SAMPLE LOG

| | | | | |
|--|--|-------------------------------------|---|-----------------------------|
| Contract: Henham Road, Elsenham | | Client: Bloor Homes | | Window Sample: WS109 |
| Contract Ref: 1921748 | Start: 12.10.21 End: 12.10.21 | Ground Level (m AOD): 103.90 | National Grid Co-ordinate: E:553824.0 N:227066.5 | Sheet: 1 of 2 |

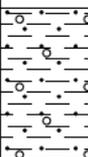
| Progress Window Run | Samples / Tests | | | | Water | Backfill | Description of Strata | Depth (Thick ness) | Material Graphic Legend |
|------------------------|-----------------|----|------|---------|-------|--|-----------------------|---|-------------------------|
| | Depth | No | Type | Results | | | | | |
| | 0.20 | 1 | ES | | | Crop stubble over dark brown organic sandy gravelly SILT. Sand is fine to coarse. Gravel is angular to rounded fine to medium occasionally coarse of flint. Abundant rootlets. (TOPSOIL) | (0.30) |  | |
| | 0.40 | 1 | D | | | Firm brown sandy to very sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to well rounded fine to medium flint. (SUB SOIL) | 0.30 0.50 |  | |
| | 0.80 | 2 | D | | | Stiff to very stiff light brownish grey speckled white slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded chalk and flint. (LOWESTOFT FORMATION) | |  | |
| | 1.20-1.65 | 1 | SPT | N=28 | | | |  | |
| | 1.30 | 3 | D | | | | |  | |
| | 2.00-2.45 | 1 | SPT | N=19 | | | |  | |
| | 2.00 | 4 | D | | | | |  | |
| | 2.60 | 5 | D | | | | |  | |
| | 3.00-3.45 | 1 | SPT | N=17 | | | |  | |
| | 3.50 | 6 | D | | | | |  | |
| | 4.00-4.45 | 1 | SPT | N=22 | | | |  | |
| | | | | | | | (4.50) |  | |

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| Drilling Progress and Water Observations | | | | | | General Remarks | |
|--|--------------------------------|--------------------|------------------|------------------------|-----------------|---|---|
| Date | Time | Borehole Depth (m) | Casing Depth (m) | Borehole Diameter (mm) | Water Depth (m) | | |
| | | | | | | 1. No groundwater encountered. 2. Window sample hole backfilled with arisings. | |
| All dimensions in metres | | | | | | Scale: | 1:25 |
| Method Used: | Tracked window sampling | | Plant Used: | Premier 100 | | Drilled By: | KL |
| | | | | | | Logged By: | TJohnson |
| | | | | | | Checked By: | AT |
| | | | | | | |  |

WINDOW SAMPLE LOG

| | | | | |
|--|--|-------------------------------------|---|-----------------------------|
| Contract: Henham Road, Elsenham | | Client: Bloor Homes | | Window Sample: WS109 |
| Contract Ref: 1921748 | Start: 12.10.21 End: 12.10.21 | Ground Level (m AOD): 103.90 | National Grid Co-ordinate: E:553824.0 N:227066.5 | Sheet: 2 of 2 |

| Progress Window Run | Samples / Tests | | | | Water | Backfill | Description of Strata | Depth (Thickness) | Material Graphic Legend |
|---|------------------------|--------|----------|---------|-------|---|--|---|-------------------------|
| | Depth | No | Type | Results | | | | | |
| | 4.50 | 7 | D | | | Stiff to very stiff light brownish grey speckled white slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded chalk and flint. (LOWESTOFT FORMATION) <i>(stratum copied from 0.50m from previous sheet)</i> ... becoming orangish brown at 4.70 mbgl. | 5.00 |  | |
| | 5.00-5.45 5.00-5.45 | 1 8 | SPT D | N=51 | | | Very dense yellowish brown and orange fine to medium SAND. | | (0.45) 5.45 |
| Window sample hole terminated at 5.45 mbgl. | | | | | | | | | |

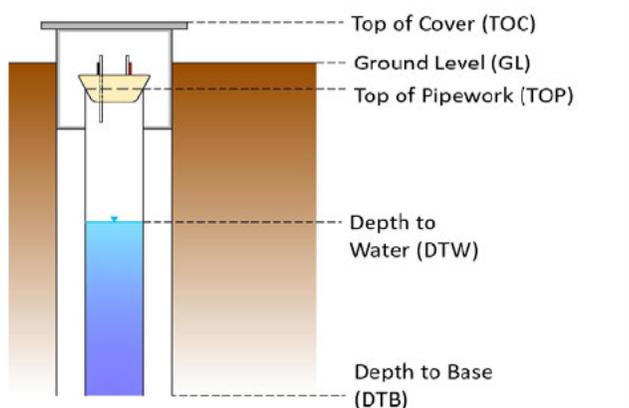
G:\NT_L BRARY_V10_01.GLB LibVersion: v8_07 | Log W NDOW SAMPLE LOG - A4P | 1921748-ELSENHAM.GPJ - v10_01.
RSK Environment Ltd, 18 Frogmore Road, Hemel Hempstead, Hertfordshire, HP3 9RT. Tel: 01442 437500, Fax: 01442 437550, Web: www.rsk.co.uk | 20/10/21 - 10:17 | SG6 |

| Drilling Progress and Water Observations | | | | | | General Remarks | |
|--|------|--------------------|------------------|------------------------|-----------------|--|--|
| Date | Time | Borehole Depth (m) | Casing Depth (m) | Borehole Diameter (mm) | Water Depth (m) | | |
| | | | | | | All dimensions in metres Scale: 1:25 | |
| | | | | | | | |

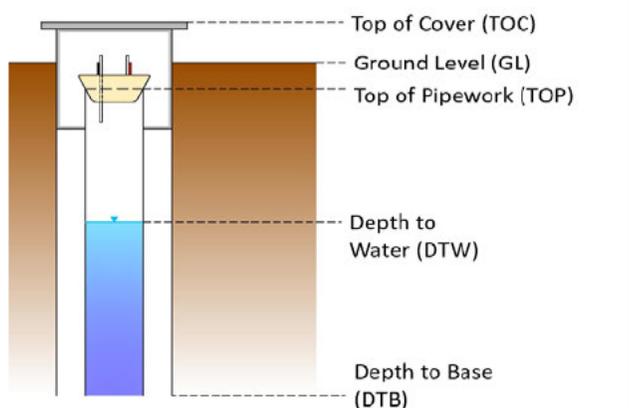
| | | | | | |
|---|--------------------------------|-----------------------|----------------------------|-----------------------|---|
| Method Used: Tracked window sampling | Plant Used: Premier 100 | Drilled By: KL | Logged By: TJohnson | Checked By: AT |  |
|---|--------------------------------|-----------------------|----------------------------|-----------------------|---|

APPENDIX H
GROUND GAS MONITORING DATA

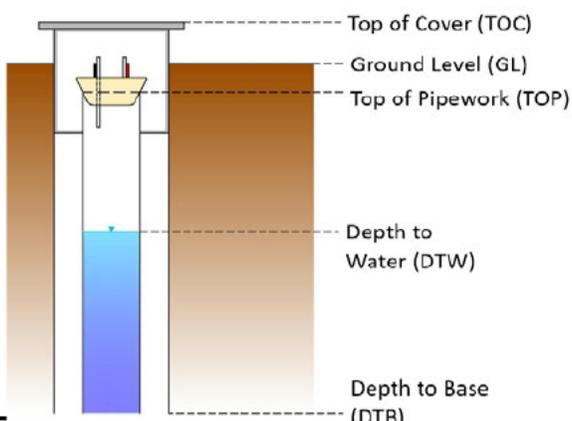
GAS MONITORING FIELD SHEET

| | | | | | | | | | | |
|---|--|--|--|-------------------------------|---|---|--------------------------------|----------------|------------------|--|
| Monitoring Date: | 26/10/2021 | Measurement datum: TOC / GL / TOP / Other | TOC | Offset to GL (m): | 0.22 | | | | | |
| Pre-Testing Remarks: | | | Air Temperature: °C | 8 | Device: | | Ga5000 | | | |
| | | | Weather: | Cloudy | Serial Number: | | Hh370 | | | |
| | | | Ground Conditions: | Dry | Daily Check: | | | | | |
| | | | Wind: NONE / LIGHT / MEDIUM / STRONG | | | Light | | | | |
| | | | Tidal State: (if applicable) High / Low / Rising / Falling | | | NA | | | | |
| Exploratory Position ID: | | Bh03 | Monitoring Round Number: | | 1 | Test Number: | | 1 | | |
| Install Type: SINGLE / DOUBLE | | Single | Pipe Ref: 1) Shallow 2) Deep | | Shallow | Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm) | | 50 | | |
| Time of Monitoring (hh:mm) | Flow readings | Gas readings | Atmospheric Pressure (mb) | Differential Pressure (mb) | Gas tap: SINGLE / DOUBLE | | Single | | | |
| Time Start (hh:mm) | 08:45 | 08:48 | 1005 | | Observations (e.g. on-site activities): | | | | | |
| Time End (hh:mm) | 08:46 | 08:58 | | | | | | | | |
| Stage 1 Flow Readings | Stage 1 Flow Readings | Stage 2 Gas Monitoring: | Methane (%/vol) | Carbon Dioxide (%/vol) | Oxygen (%/vol) | Carbon monoxide (ppm) | Hydrogen sulphide (ppm) | LEL (%) | PID (ppm) | |
| Time of flow monitoring (sec) | Flow Reading (l/hr) | Time of gas monitoring (sec) | | | | | | | | |
| 0 | 0 | 0 | 0 | 0 | 20.5 | 0 | 0 | | | |
| 5 | 0 | 15 | 0 | 0.7 | 20.2 | 0 | 0 | | | |
| 10 | 0 | 30 | 0 | 0.5 | 20.3 | 0 | 0 | | | |
| 15 | 0 | 60 | 0 | 0.4 | 20.5 | 0 | 0 | | | |
| 20 | 0 | 90 | 0 | 0.3 | 20.5 | 0 | 0 | | | |
| 25 | 0 | 120 | | | | | | | | |
| 30 | 0 | 180 | | | | | | | | |
| 40 | | 240 | | | | | | | | |
| 50 | | 300 | | | | | | | | |
| 60 | | 360 | | | | | | | | |
| 90 | | 420 | | | | | | | | |
| 120 | | 480 | | | | | | | | |
| 150 | | 540 | | | | | | | | |
| 180 | | 600 | | | | | | | | |
| Stage 1 gas flow - Peak (l/h) | 0 | | Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period. | | | | | | | |
| Stage 1 gas flow - Steady State (l/h) | 0 | | | | | | | | | |
| STAGE 3 WATER LEVEL OBSERVATION | Depth (from datum) to water (DTW): (m) | 9.8 | Time: | 08:58:00 | LNAPL Top (from datum) (m): | | | | | |
| | Depth (from datum) to well base (DTB): (m) | 14 | Purge Start: | | DNAPL Top (from datum) (m): | | | | | |
| | Hole Purged: Yes / No | No | Purge End: | | Water Observations: | | | | | |
| | Purge Volume: (ltrs) | | Post-Purge (DTW) (m) | | | | | | | |
|  | | | Post testing remarks: | | Samples Taken: Yes / No | | No | | | |
| | | | | | Sample Media: Gas/Water | | N/A | | | |
| | | | | | Gas Cannister Start (mb) | | | | | |
| | | | | | Gas Cannister End (mb) | | | | | |
| Gas Cannister Duration (mins) | | | | | | | | | | |
| Depth (from datum) | Sample Ref | Type (EW / G) | Container | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
|  | | | Contract Name: | | Elsenham | | Data Collected By: | | Timothy Costello | |
| | | | Project Manager / Engineer: | | Andrew tranter | | Checked: | | | |
| | | | Contract Ref: | | 1921748 | | Page number: | | | |
| TPF210 Issue 6 | | | | | | | | | | |

GAS MONITORING FIELD SHEET

| | | | | | | | | | |
|---|---|---|--|-------------------------------------|--|--|--------------------------------|----------------|------------------|
| Monitoring Date: 26/10/2021 | | Measurement datum: TOC / GL / TOP / Other | | TOC | | Offset to GL (m): 0.22 | | | |
| Pre-Testing Remarks: | | | Air Temperature: 8 °C | | Device: Ga5000 | | | | |
| | | | Weather: Cloudy | | Serial Number: Hh370 | | | | |
| | | | Ground Conditions: Dry | | Daily Check: | | | | |
| | | | Wind: NONE / LIGHT / MEDIUM / STRONG | | Light | | | | |
| | | | Tidal State: (if applicable) High / Low / Rising / Falling | | NA | | | | |
| Exploratory Position ID: WS105 | | Monitoring Round Number: 1 | | Test Number: 1 | | | | | |
| Install Type: SINGLE / DOUBLE | | Single | | Pipe Ref: 1) Shallow 2) Deep | | Shallow | | | |
| | | | | | | Pipe Diameter: 19mm / 40mm / 50mm / Other (mm) 50 | | | |
| Time of Monitoring (hh:mm) | Flow readings | Gas readings | Atmospheric Pressure (mb) | Differential Pressure (mb) | Gas tap: SINGLE / DOUBLE | | Single | | |
| Time Start (hh:mm) | 09:20 | 09:22 | 1009 | | Observations (e.g. on-site activities): | | | | |
| Time End (hh:mm) | 09:21 | 09:32 | | | | | | | |
| Stage 1 Flow Readings | Stage 1 Flow Readings | Stage 2 Gas Monitoring: | Methane (%/vol) | Carbon Dioxide (%/vol) | Oxygen (%/vol) | Carbon monoxide (ppm) | Hydrogen sulphide (ppm) | LEL (%) | PID (ppm) |
| Time of flow monitoring (sec) | Flow Reading (l/hr) | Time of gas monitoring (sec) | | | | | | | |
| 0 | 0 | 0 | 0 | 0 | 20.5 | | | | |
| 5 | 0 | 15 | 0 | 5.2 | 16.4 | | | | |
| 10 | 0 | 30 | 0 | 6.5 | 15.1 | | | | |
| 15 | 0 | 60 | 0 | 6.6 | 14.8 | | | | |
| 20 | 0 | 90 | 0 | 6.6 | 14.8 | | | | |
| 25 | 0 | 120 | 0 | 6.6 | 14.8 | | | | |
| 30 | 0 | 180 | | | | | | | |
| 40 | | 240 | | | | | | | |
| 50 | | 300 | | | | | | | |
| 60 | | 360 | | | | | | | |
| 90 | | 420 | | | | | | | |
| 120 | | 480 | | | | | | | |
| 150 | | 540 | | | | | | | |
| 180 | | 600 | | | | | | | |
| Stage 1 gas flow - Peak (l/h) | 0 | | Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period. | | | | | | |
| Stage 1 gas flow - Steady State (l/h) | 0 | | | | | | | | |
| STAGE 3 WATER LEVEL OBSERVATION | Depth (from datum) to water (DTW): (m) | DRY | Time: | 09:37:00 | LNAPL Top (from datum) (m): | | | | |
| | Depth (from datum) to well base (DTB): (m) | 4.99 | Purge Start: | | DNAPL Top (from datum) (m): | | | | |
| | Hole Purged: Yes / No | No | Purge End: | | Water Observations: | | | | |
| | Purge Volume: (ltrs) | | Post-Purge (DTW) (m) | | | | | | |
|  | | | Post testing remarks: | | Samples Taken: Yes / No | | No | | |
| | | | | | Sample Media: Gas/Water | | N/A | | |
| | | | | | Gas Cannister Start (mb) | | | | |
| | | | | | Gas Cannister End (mb) | | | | |
| Gas Cannister Duration (mins) | | | | | | | | | |
| Depth (from datum) | Sample Ref | Type (EW / G) | Container | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
|  | | Contract Name: Elsenham | Data Collected By: Timothy Costello | | | | | | |
| | | Project Manager / Engineer: Andrew tranter | Checked: | | | | | | |
| | | Contract Ref: 1921748 | Page number: | | | | | | |

GAS MONITORING FIELD SHEET

| | | | | | | | | | |
|---|---|--|--|---|--|------------------------------|--------------------------------|----------------|------------------|
| Monitoring Date: 22/10/2021 | | Measurement datum: TOC / GL / TOP / Other | | TOC | | Offset to GL (m): 0 | | | |
| Pre-Testing Remarks: | | | | Air Temperature: 10 °C | | Device: Ga5000 | | | |
| | | | | Weather: Cloudy | | Serial Number: Hh370 | | | |
| | | | | Ground Conditions: Dry | | Daily Check: | | | |
| | | | | Wind: NONE / LIGHT / MEDIUM / STRONG | | Light | | | |
| | | | | Tidal State: (if applicable) High / Low / Rising / Falling | | NA | | | |
| Exploratory Position ID: Ws105 | | Monitoring Round Number: 1 | | Test Number: 1 | | | | | |
| Install Type: SINGLE / DOUBLE | | Single | | Pipe Ref: 1) Shallow 2) Deep | | Shallow | | | |
| | | | | Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm) | | 32 | | | |
| Time of Monitoring (hh:mm) | Flow readings | Gas readings | Atmospheric Pressure (mb) | Differential Pressure (mb) | Gas tap: SINGLE / DOUBLE | | Single | | |
| Time Start (hh:mm) | 11:12 | 11:14 | 1009 | | Observations (e.g. on-site activities): | | | | |
| Time End (hh:mm) | 11:13 | 11:23 | | | | | | | |
| Stage 1 Flow Readings | Stage 1 Flow Readings | Stage 2 Gas Monitoring: | Methane (%/vol) | Carbon Dioxide (%/vol) | Oxygen (%/vol) | Carbon monoxide (ppm) | Hydrogen sulphide (ppm) | LEL (%) | PID (ppm) |
| Time of flow monitoring (sec) | Flow Reading (l/hr) | Time of gas monitoring (sec) | | | | | | | |
| 0 | 0 | 0 | 0.2 | 6.7 | 16.7 | 2 | 0 | | |
| 5 | 0 | 15 | 0.2 | 6.9 | 15.3 | 2 | 0 | | |
| 10 | 0 | 30 | 0.2 | 6.9 | 15.2 | 1 | 0 | | |
| 15 | 0 | 60 | 0.2 | 6.9 | 15.2 | 1 | 0 | | |
| 20 | 0 | 90 | 0.2 | 6.9 | 15.2 | 1 | 0 | | |
| 25 | 0 | 120 | 0.2 | 6.9 | 15.2 | 1 | 0 | | |
| 30 | 0 | 180 | 0.2 | 6.8 | 15.2 | 1 | 0 | | |
| 40 | 0 | 240 | 0.2 | 6.8 | 15.2 | 1 | 0 | | |
| 50 | 0 | 300 | 0.2 | 6.7 | 15.3 | 1 | 0 | | |
| 60 | 0 | 360 | 0.2 | 6.7 | 15.3 | 1 | 0 | | |
| 90 | | 420 | 0.2 | 6.6 | 15.3 | 1 | 0 | | |
| 120 | | 480 | 0.2 | 6.5 | 15.4 | 1 | 0 | | |
| 150 | | 540 | 0.2 | 6.5 | 15.4 | 1 | 0 | | |
| 180 | | 600 | 0.2 | 6.4 | 15.4 | 1 | 0 | | |
| Stage 1 gas flow - Peak (l/h) | 0 | | Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period. | | | | | | |
| Stage 1 gas flow - Steady State (l/h) | 0 | | | | | | | | |
| STAGE 3 WATER LEVEL OBSERVATION | Depth (from datum) to water (DTW): (m) | DRY | Time: | 10:55:00 | LNAPL Top (from datum) (m): | | | | |
| | Depth (from datum) to well base (DTB): (m) | 4.99 | Purge Start: | | DNAPL Top (from datum) (m): | | | | |
| | Hole Purged: Yes / No | No | Purge End: | | Water Observations: | | | | |
| | Purge Volume: (ltrs) | | Post-Purge (DTW) (m) | | | | | | |
|  | Post testing remarks: | | Samples Taken: Yes / No | | No | | | | |
| | | | Sample Media: Gas/Water | | N/A | | | | |
| | | | Gas Cannister Start (mb) | | | | | | |
| | | | Gas Cannister End (mb) | | | | | | |
| | | | Gas Cannister Duration (mins) | | | | | | |
| | Depth (from datum) | Sample Ref | Type (EW / G) | Container | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Contract Name: | | Elsenham | | Data Collected By: | | Timothy Costello | | | |
| Project Manager / Engineer: | | Andrew tranter | | Checked: | | | | | |
| Contract Ref: | | 1921748 | | Page number: | | | | | |





APPENDIX I
LABORATORY CERTIFICATES FOR SOIL ANALYSIS

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 21/11221
Issue Number: 1
Date: 28 October, 2021

Client: RSK Environment Ltd Hemel
18 Frogmore Road
Hemel Hempstead
Hertfordshire
UK
HP3 9RT

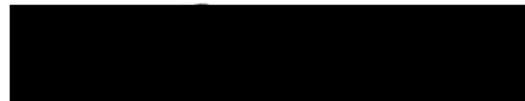
Project Manager: Andrew Tranter
Project Name: Elsenham Phase II
Project Ref: 1921748
Order No: N/A
Date Samples Received: 12/10/21
Date Instructions Received: 15/10/21
Date Analysis Completed: 28/10/21

Prepared by:



Melanie Marshall
Laboratory Coordinator

Approved by:



Danielle Brierley
Deputy Client Services Supervisor

Envirolab Job Number: 21/11221

Client Project Name: Elsenham Phase II

Client Project Ref: 1921748

| Lab Sample ID | 21/11221/1 | 21/11221/2 | 21/11221/3 | 21/11221/4 | 21/11221/5 | 21/11221/6 | 21/11221/7 | Units | Limit of Detection | Method ref |
|-------------------------------------|------------|------------|------------|------------|------------|------------|------------|-------|--------------------|------------|
| Client Sample No | | | | | | | | | | |
| Client Sample ID | WS101 | WS105 | WS107 | TP101 | TP102 | TP103 | TP104 | | | |
| Depth to Top | 0.30 | 0.30 | 0.50 | 0.20 | 0.20 | 0.20 | 0.20 | | | |
| Depth To Bottom | | | | | | | | | | |
| Date Sampled | 12-Oct-21 | 12-Oct-21 | 11-Oct-21 | 08-Oct-21 | 08-Oct-21 | 08-Oct-21 | 08-Oct-21 | | | |
| Sample Type | Soil | | | |
| Sample Matrix Code | 6AE | 6AE | 6AE | 4AE | 4AE | 6AE | 6AE | | | |
| % Stones >10mm _A | 5.5 | <0.1 | 34.8 | 30.1 | 31.7 | <0.1 | <0.1 | | | |
| pH _D ^{M#} | 8.41 | 5.70 | 8.29 | 7.91 | 7.59 | - | - | pH | 0.01 | A T 031s |
| Arsenic _D ^{M#} | 4 | <1 | 3 | 3 | <1 | - | - | mg/kg | 1 | A T 024s |
| Cadmium _D ^{M#} | 2.2 | 1.9 | 1.9 | 1.2 | 0.8 | - | - | mg/kg | 0.5 | A T 024s |
| Copper _D ^{M#} | 27 | 22 | 59 | 15 | 11 | - | - | mg/kg | 1 | A T 024s |
| Chromium _D ^{M#} | 26 | 22 | 20 | 13 | 8 | - | - | mg/kg | 1 | A T 024s |
| Lead _D ^{M#} | 21 | 19 | 29 | 24 | 13 | - | - | mg/kg | 1 | A T 024s |
| Mercury _D | 0.26 | <0.17 | 0.76 | <0.17 | <0.17 | - | - | mg/kg | 0.17 | A T 024s |
| Nickel _D ^{M#} | 23 | 17 | 24 | 10 | 8 | - | - | mg/kg | 1 | A T 024s |
| Selenium _D ^{M#} | <1 | <1 | <1 | <1 | <1 | - | - | mg/kg | 1 | A T 024s |
| Zinc _D ^{M#} | 56 | 45 | 36 | 39 | 25 | - | - | mg/kg | 5 | A T 024s |

Envirolab Job Number: 21/11221

Client Project Name: Elsenham Phase II

Client Project Ref: 1921748

| Lab Sample ID | 21/11221/1 | 21/11221/2 | 21/11221/3 | 21/11221/4 | 21/11221/5 | 21/11221/6 | 21/11221/7 | Units | Limit of Detection | Method ref |
|---|------------|------------|------------|------------|------------|------------|------------|-------|--------------------|------------|
| Client Sample No | | | | | | | | | | |
| Client Sample ID | WS101 | WS105 | WS107 | TP101 | TP102 | TP103 | TP104 | | | |
| Depth to Top | 0.30 | 0.30 | 0.50 | 0.20 | 0.20 | 0.20 | 0.20 | | | |
| Depth To Bottom | | | | | | | | | | |
| Date Sampled | 12-Oct-21 | 12-Oct-21 | 11-Oct-21 | 08-Oct-21 | 08-Oct-21 | 08-Oct-21 | 08-Oct-21 | | | |
| Sample Type | Soil | | | |
| Sample Matrix Code | 6AE | 6AE | 6AE | 4AE | 4AE | 6AE | 6AE | | | |
| Asbestos in Soil (inc. matrix) | | | | | | | | | | |
| Asbestos in soil [#] | NAD | NAD | NAD | NAD | NAD | - | - | | | A T 045 |
| Asbestos Matrix (visual) _D | - | - | - | - | - | - | - | | | A T 045 |
| Asbestos Matrix (microscope) _D | - | - | - | - | - | - | - | | | A T 045 |
| Asbestos ACM - Suitable for Water Absorption Test? _D | N/A | N/A | N/A | N/A | N/A | - | - | | | A T 045 |
| | | | | | | | | | | |
| OCP+OPP Combined Pest Suite (incl. Atrazine and Simazine) | | | | | | | | | | |
| Dichlobenil _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Tecnazene _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Trifluralin _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| alpha-Hexachlorocyclohexane (HCH) _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Hexachlorobenzene (HCB) _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Simazine _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Atrazine _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| beta-Hexachlorocyclohexane (HCH) _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Quintozene (PCNB) _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Chlorothalonil _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| delta-Hexachlorocyclohexane (HCH) _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Triallate _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Heptachlor _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Aldrin _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Triadimefon _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Telodrin _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Isodrin _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Pendimethalin _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Heptachlor epoxide _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| trans-Chlordane (Gamma) _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| o,p-DDE (2,4) _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Endosulphan I (Alpha) _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| cis-Chlordane (Alpha) _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| p,p-DDE (4,4) _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Dieldrin _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |

Envirolab Job Number: 21/11221

Client Project Name: Elsenham Phase II

Client Project Ref: 1921748

| Lab Sample ID | 21/11221/1 | 21/11221/2 | 21/11221/3 | 21/11221/4 | 21/11221/5 | 21/11221/6 | 21/11221/7 | Units | Limit of Detection | Method ref |
|--|------------|------------|------------|------------|------------|------------|------------|-------|--------------------|------------|
| Client Sample No | | | | | | | | | | |
| Client Sample ID | WS101 | WS105 | WS107 | TP101 | TP102 | TP103 | TP104 | | | |
| Depth to Top | 0.30 | 0.30 | 0.50 | 0.20 | 0.20 | 0.20 | 0.20 | | | |
| Depth To Bottom | | | | | | | | | | |
| Date Sampled | 12-Oct-21 | 12-Oct-21 | 11-Oct-21 | 08-Oct-21 | 08-Oct-21 | 08-Oct-21 | 08-Oct-21 | | | |
| Sample Type | Soil | | | |
| Sample Matrix Code | 6AE | 6AE | 6AE | 4AE | 4AE | 6AE | 6AE | | | |
| o,p-DDD (2,4) _A | - | - | - | - | - | <0.01 | <0.01 | | | |
| Endrin _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Endosulphan II (Beta) _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| p,p-DDD (4,4) _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| o,p-DDT (2,4) _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Endrin Aldehyde _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Endrin Ketone _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Endosulphan Sulphate _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| p,p-DDT (4,4) _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| o,p-Methoxychlor _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| p,p-Methoxychlor _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Permethrin I (cis) _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Permethrin II (trans) _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Dichlorvos _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Mevinphos _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Demeton-S _A | - | - | - | - | - | <0.50 | <0.50 | mg/kg | 0.5 | A T 056 |
| Demeton-O _A | - | - | - | - | - | <0.50 | <0.50 | mg/kg | 0.5 | A T 056 |
| Phorate _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Dimethoate _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Propetamphos _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Diazinon (Dimpylate) _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Disulfoton _A | - | - | - | - | - | <0.10 | <0.10 | mg/kg | 0.1 | A T 056 |
| Chlorpyrifos-methyl _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Parathion (Ethyl Parathion) _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Methyl Parathion _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Pirimiphos-methyl _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Fenitrothion _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Fensulphothion _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Fenthion _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Malathion _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Chlorfenvinphos _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Chlorpyrifos _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Trichloronate _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Prothiofos (Tokuthion) _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |

Envirolab Job Number: 21/11221

Client Project Name: Elsenham Phase II

Client Project Ref: 1921748

| Lab Sample ID | 21/11221/1 | 21/11221/2 | 21/11221/3 | 21/11221/4 | 21/11221/5 | 21/11221/6 | 21/11221/7 | Units | Limit of Detection | Method ref |
|------------------------------|------------|------------|------------|------------|------------|------------|------------|-------|--------------------|------------|
| Client Sample No | | | | | | | | | | |
| Client Sample ID | WS101 | WS105 | WS107 | TP101 | TP102 | TP103 | TP104 | | | |
| Depth to Top | 0.30 | 0.30 | 0.50 | 0.20 | 0.20 | 0.20 | 0.20 | | | |
| Depth To Bottom | | | | | | | | | | |
| Date Sampled | 12-Oct-21 | 12-Oct-21 | 11-Oct-21 | 08-Oct-21 | 08-Oct-21 | 08-Oct-21 | 08-Oct-21 | | | |
| Sample Type | Soil | | | |
| Sample Matrix Code | 6AE | 6AE | 6AE | 4AE | 4AE | 6AE | 6AE | | | |
| Ethion _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Triazophos _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Carbophenothion _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Phosalone _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Azinphos-methyl _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Azinphos-ethyl _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |
| Coumaphos _A | - | - | - | - | - | <0.01 | <0.01 | mg/kg | 0.01 | A T 056 |

Envirolab Job Number: 21/11221

Client Project Name: Elsenham Phase II

Client Project Ref: 1921748

| Lab Sample ID | 21/11221/1 | 21/11221/2 | 21/11221/3 | 21/11221/4 | 21/11221/5 | 21/11221/6 | 21/11221/7 | Units | Limit of Detection | Method ref |
|--|------------|------------|------------|------------|------------|------------|------------|-------|--------------------|------------|
| Client Sample No | | | | | | | | | | |
| Client Sample ID | WS101 | WS105 | WS107 | TP101 | TP102 | TP103 | TP104 | | | |
| Depth to Top | 0.30 | 0.30 | 0.50 | 0.20 | 0.20 | 0.20 | 0.20 | | | |
| Depth To Bottom | | | | | | | | | | |
| Date Sampled | 12-Oct-21 | 12-Oct-21 | 11-Oct-21 | 08-Oct-21 | 08-Oct-21 | 08-Oct-21 | 08-Oct-21 | | | |
| Sample Type | Soil | | | |
| Sample Matrix Code | 6AE | 6AE | 6AE | 4AE | 4AE | 6AE | 6AE | | | |
| PAH-16MS | | | | | | | | | | |
| Acenaphthene _A ^{M#} | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | - | - | mg/kg | 0.01 | A T 019s |
| Acenaphthylene _A ^{M#} | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | - | - | mg/kg | 0.01 | A T 019s |
| Anthracene _A ^{M#} | <0.02 | 0.04 | 0.06 | 0.03 | <0.02 | - | - | mg/kg | 0.02 | A T 019s |
| Benzo(a)anthracene _A ^{M#} | 0.08 | 0.16 | 0.24 | 0.16 | 0.04 | - | - | mg/kg | 0.04 | A T 019s |
| Benzo(a)pyrene _A ^{M#} | 0.10 | 0.17 | 0.27 | 0.18 | 0.06 | - | - | mg/kg | 0.04 | A T 019s |
| Benzo(b)fluoranthene _A ^{M#} | 0.09 | 0.17 | 0.28 | 0.17 | 0.05 | - | - | mg/kg | 0.05 | A T 019s |
| Benzo(ghi)perylene _A ^{M#} | <0.05 | 0.09 | 0.12 | 0.09 | <0.05 | - | - | mg/kg | 0.05 | A T 019s |
| Benzo(k)fluoranthene _A ^{M#} | <0.07 | <0.07 | 0.13 | 0.09 | <0.07 | - | - | mg/kg | 0.07 | A T 019s |
| Chrysene _A ^{M#} | 0.11 | 0.18 | 0.30 | 0.20 | <0.06 | - | - | mg/kg | 0.06 | A T 019s |
| Dibenzo(ah)anthracene _A ^{M#} | <0.04 | <0.04 | <0.04 | <0.04 | <0.04 | - | - | mg/kg | 0.04 | A T 019s |
| Fluoranthene _A ^{M#} | 0.15 | 0.32 | 0.48 | 0.30 | 0.08 | - | - | mg/kg | 0.08 | A T 019s |
| Fluorene _A ^{M#} | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | - | - | mg/kg | 0.01 | A T 019s |
| Indeno(123-cd)pyrene _A ^{M#} | 0.06 | 0.10 | 0.15 | 0.09 | <0.03 | - | - | mg/kg | 0.03 | A T 019s |
| Naphthalene _A ^{M#} | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | - | - | mg/kg | 0.03 | A T 019s |
| Phenanthrene _A ^{M#} | 0.06 | 0.13 | 0.15 | 0.11 | <0.03 | - | - | mg/kg | 0.03 | A T 019s |
| Pyrene _A ^{M#} | 0.14 | 0.27 | 0.46 | 0.26 | 0.08 | - | - | mg/kg | 0.07 | A T 019s |
| Total PAH-16MS _A ^{M#} | 0.79 | 1.63 | 2.64 | 1.68 | 0.31 | - | - | mg/kg | 0.01 | A T 019s |

Envirolab Job Number: 21/11221

Client Project Name: Elsenham Phase II

Client Project Ref: 1921748

| Lab Sample ID | 21/11221/1 | 21/11221/2 | 21/11221/3 | 21/11221/4 | 21/11221/5 | 21/11221/6 | 21/11221/7 | Units | Limit of Detection | Method ref | | | |
|--|------------|------------|------------|------------|------------|------------|------------|-------|--------------------|------------|--|--|--|
| Client Sample No | | | | | | | | | | | | | |
| Client Sample ID | WS101 | WS105 | WS107 | TP101 | TP102 | TP103 | TP104 | | | | | | |
| Depth to Top | 0.30 | 0.30 | 0.50 | 0.20 | 0.20 | 0.20 | 0.20 | | | | | | |
| Depth To Bottom | | | | | | | | | | | | | |
| Date Sampled | 12-Oct-21 | 12-Oct-21 | 11-Oct-21 | 08-Oct-21 | 08-Oct-21 | 08-Oct-21 | 08-Oct-21 | | | | | | |
| Sample Type | Soil | | | | | | |
| Sample Matrix Code | 6AE | 6AE | 6AE | 4AE | 4AE | 6AE | 6AE | | | | | | |
| TPH CWG | | | | | | | | | | | | | |
| Ali >C5-C6 _A [#] | - | - | - | <0.01 | <0.01 | - | - | mg/kg | 0.01 | A T 022s | | | |
| Ali >C6-C8 _A [#] | - | - | - | <0.01 | <0.01 | - | - | mg/kg | 0.01 | A T 022s | | | |
| Ali >C8-C10 _A | - | - | - | <1 | <1 | - | - | mg/kg | 1 | A T 055s | | | |
| Ali >C10-C12 _A ^{M#} | - | - | - | <1 | <1 | - | - | mg/kg | 1 | A T 055s | | | |
| Ali >C12-C16 _A ^{M#} | - | - | - | <1 | <1 | - | - | mg/kg | 1 | A T 055s | | | |
| Ali >C16-C21 _A ^{M#} | - | - | - | <1 | <1 | - | - | mg/kg | 1 | A T 055s | | | |
| Ali >C21-C35 _A ^{M#} | - | - | - | 2 | 2 | - | - | mg/kg | 1 | A T 055s | | | |
| Total Aliphatics _A | - | - | - | 2 | 2 | - | - | mg/kg | 1 | A T 055s | | | |
| Aro >C5-C7 _A [#] | - | - | - | <0.01 | <0.01 | - | - | mg/kg | 0.01 | A T 022s | | | |
| Aro >C7-C8 _A [#] | - | - | - | <0.01 | <0.01 | - | - | mg/kg | 0.01 | A T 022s | | | |
| Aro >C8-C10 _A | - | - | - | <1 | <1 | - | - | mg/kg | 1 | A T 055s | | | |
| Aro >C10-C12 _A | - | - | - | <1 | <1 | - | - | mg/kg | 1 | A T 055s | | | |
| Aro >C12-C16 _A | - | - | - | <1 | <1 | - | - | mg/kg | 1 | A T 055s | | | |
| Aro >C16-C21 _A ^{M#} | - | - | - | 2 | 1 | - | - | mg/kg | 1 | A T 055s | | | |
| Aro >C21-C35 _A ^{M#} | - | - | - | 5 | 5 | - | - | mg/kg | 1 | A T 055s | | | |
| Total Aromatics _A | - | - | - | 8 | 8 | - | - | mg/kg | 1 | A T 055s | | | |
| TPH (Ali & Aro >C5-C35) _A | - | - | - | 10 | 10 | - | - | mg/kg | 1 | A T 055s | | | |
| BTEX - Benzene _A [#] | - | - | - | <0.01 | <0.01 | - | - | mg/kg | 0.01 | A T 022s | | | |
| BTEX - Toluene _A [#] | - | - | - | <0.01 | <0.01 | - | - | mg/kg | 0.01 | A T 022s | | | |
| BTEX - Ethyl Benzene _A [#] | - | - | - | <0.01 | <0.01 | - | - | mg/kg | 0.01 | A T 022s | | | |
| BTEX - m & p Xylene _A [#] | - | - | - | <0.01 | <0.01 | - | - | mg/kg | 0.01 | A T 022s | | | |
| BTEX - o Xylene _A [#] | - | - | - | <0.01 | <0.01 | - | - | mg/kg | 0.01 | A T 022s | | | |
| MTBE _A [#] | - | - | - | <0.01 | <0.01 | - | - | mg/kg | 0.01 | A T 022s | | | |

Envirolab Job Number: 21/11221

Client Project Name: Elsenham Phase II

Client Project Ref: 1921748

| Lab Sample ID | 21/11221/8 | | | | | | | Units | Limit of Detection | Method ref |
|-------------------------------------|------------|--|--|--|--|--|--|-------|--------------------|------------|
| Client Sample No | | | | | | | | | | |
| Client Sample ID | TP105 | | | | | | | | | |
| Depth to Top | 0.20 | | | | | | | | | |
| Depth To Bottom | | | | | | | | | | |
| Date Sampled | 08-Oct-21 | | | | | | | | | |
| Sample Type | Soil | | | | | | | | | |
| Sample Matrix Code | 4AE | | | | | | | | | |
| | | | | | | | | | | |
| % Stones >10mm _A | <0.1 | | | | | | | % w/w | 0.1 | A T 044 |
| pH _D ^{M#} | - | | | | | | | pH | 0.01 | A T 031s |
| Arsenic _D ^{M#} | - | | | | | | | mg/kg | 1 | A T 024s |
| Cadmium _D ^{M#} | - | | | | | | | mg/kg | 0.5 | A T 024s |
| Copper _D ^{M#} | - | | | | | | | mg/kg | 1 | A T 024s |
| Chromium _D ^{M#} | - | | | | | | | mg/kg | 1 | A T 024s |
| Lead _D ^{M#} | - | | | | | | | mg/kg | 1 | A T 024s |
| Mercury _D | - | | | | | | | mg/kg | 0.17 | A T 024s |
| Nickel _D ^{M#} | - | | | | | | | mg/kg | 1 | A T 024s |
| Selenium _D ^{M#} | - | | | | | | | mg/kg | 1 | A T 024s |
| Zinc _D ^{M#} | - | | | | | | | mg/kg | 5 | A T 024s |

Envirolab Job Number: 21/11221

Client Project Name: Elsenham Phase II

Client Project Ref: 1921748

| Lab Sample ID | 21/11221/8 | | | | | | | | | |
|------------------------------|------------|--|--|--|--|--|--|-------|--------------------|------------|
| Client Sample No | | | | | | | | | | |
| Client Sample ID | TP105 | | | | | | | | | |
| Depth to Top | 0.20 | | | | | | | | | |
| Depth To Bottom | | | | | | | | | | |
| Date Sampled | 08-Oct-21 | | | | | | | | | |
| Sample Type | Soil | | | | | | | | | |
| Sample Matrix Code | 4AE | | | | | | | | | |
| | | | | | | | | Units | Limit of Detection | Method ref |
| Ethion _A | <0.01 | | | | | | | mg/kg | 0.01 | A T 056 |
| Triazophos _A | <0.01 | | | | | | | mg/kg | 0.01 | A T 056 |
| Carbophenothion _A | <0.01 | | | | | | | mg/kg | 0.01 | A T 056 |
| Phosalone _A | <0.01 | | | | | | | mg/kg | 0.01 | A T 056 |
| Azinphos-methyl _A | <0.01 | | | | | | | mg/kg | 0.01 | A T 056 |
| Azinphos-ethyl _A | <0.01 | | | | | | | mg/kg | 0.01 | A T 056 |
| Coumaphos _A | <0.01 | | | | | | | mg/kg | 0.01 | A T 056 |

Envirolab Job Number: 21/11221

Client Project Name: Elsenham Phase II

Client Project Ref: 1921748

| Lab Sample ID | 21/11221/8 | | | | | | | Units | Limit of Detection | Method ref |
|--|------------|--|--|--|--|--|-------|-------|--------------------|------------|
| Client Sample No | | | | | | | | | | |
| Client Sample ID | TP105 | | | | | | | | | |
| Depth to Top | 0.20 | | | | | | | | | |
| Depth To Bottom | | | | | | | | | | |
| Date Sampled | 08-Oct-21 | | | | | | | | | |
| Sample Type | Soil | | | | | | | | | |
| Sample Matrix Code | 4AE | | | | | | | | | |
| PAH-16MS | | | | | | | | | | |
| Acenaphthene _A ^{M#} | - | | | | | | mg/kg | 0.01 | A T 019s | |
| Acenaphthylene _A ^{M#} | - | | | | | | mg/kg | 0.01 | A T 019s | |
| Anthracene _A ^{M#} | - | | | | | | mg/kg | 0.02 | A T 019s | |
| Benzo(a)anthracene _A ^{M#} | - | | | | | | mg/kg | 0.04 | A T 019s | |
| Benzo(a)pyrene _A ^{M#} | - | | | | | | mg/kg | 0.04 | A T 019s | |
| Benzo(b)fluoranthene _A ^{M#} | - | | | | | | mg/kg | 0.05 | A T 019s | |
| Benzo(ghi)perylene _A ^{M#} | - | | | | | | mg/kg | 0.05 | A T 019s | |
| Benzo(k)fluoranthene _A ^{M#} | - | | | | | | mg/kg | 0.07 | A T 019s | |
| Chrysene _A ^{M#} | - | | | | | | mg/kg | 0.06 | A T 019s | |
| Dibenzo(ah)anthracene _A ^{M#} | - | | | | | | mg/kg | 0.04 | A T 019s | |
| Fluoranthene _A ^{M#} | - | | | | | | mg/kg | 0.08 | A T 019s | |
| Fluorene _A ^{M#} | - | | | | | | mg/kg | 0.01 | A T 019s | |
| Indeno(123-cd)pyrene _A ^{M#} | - | | | | | | mg/kg | 0.03 | A T 019s | |
| Naphthalene _A ^{M#} | - | | | | | | mg/kg | 0.03 | A T 019s | |
| Phenanthrene _A ^{M#} | - | | | | | | mg/kg | 0.03 | A T 019s | |
| Pyrene _A ^{M#} | - | | | | | | mg/kg | 0.07 | A T 019s | |
| Total PAH-16MS _A ^{M#} | - | | | | | | mg/kg | 0.01 | A T 019s | |

Envirolab Job Number: 21/11221

Client Project Name: Elsenham Phase II

Client Project Ref: 1921748

| Lab Sample ID | 21/11221/8 | | | | | | | | | |
|--|------------|--|--|--|--|--|--|-------|------|----------|
| Client Sample No | | | | | | | | | | |
| Client Sample ID | TP105 | | | | | | | | | |
| Depth to Top | 0.20 | | | | | | | | | |
| Depth To Bottom | | | | | | | | | | |
| Date Sampled | 08-Oct-21 | | | | | | | | | |
| Sample Type | Soil | | | | | | | | | |
| Sample Matrix Code | 4AE | | | | | | | | | |
| TPH CWG | | | | | | | | | | |
| Ali >C5-C6 _A [#] | - | | | | | | | mg/kg | 0.01 | A T 022s |
| Ali >C6-C8 _A [#] | - | | | | | | | mg/kg | 0.01 | A T 022s |
| Ali >C8-C10 _A | - | | | | | | | mg/kg | 1 | A T 055s |
| Ali >C10-C12 _A ^{M#} | - | | | | | | | mg/kg | 1 | A T 055s |
| Ali >C12-C16 _A ^{M#} | - | | | | | | | mg/kg | 1 | A T 055s |
| Ali >C16-C21 _A ^{M#} | - | | | | | | | mg/kg | 1 | A T 055s |
| Ali >C21-C35 _A ^{M#} | - | | | | | | | mg/kg | 1 | A T 055s |
| Total Aliphatics _A | - | | | | | | | mg/kg | 1 | A T 055s |
| Aro >C5-C7 _A [#] | - | | | | | | | mg/kg | 0.01 | A T 022s |
| Aro >C7-C8 _A [#] | - | | | | | | | mg/kg | 0.01 | A T 022s |
| Aro >C8-C10 _A | - | | | | | | | mg/kg | 1 | A T 055s |
| Aro >C10-C12 _A | - | | | | | | | mg/kg | 1 | A T 055s |
| Aro >C12-C16 _A | - | | | | | | | mg/kg | 1 | A T 055s |
| Aro >C16-C21 _A ^{M#} | - | | | | | | | mg/kg | 1 | A T 055s |
| Aro >C21-C35 _A ^{M#} | - | | | | | | | mg/kg | 1 | A T 055s |
| Total Aromatics _A | - | | | | | | | mg/kg | 1 | A T 055s |
| TPH (Ali & Aro >C5-C35) _A | - | | | | | | | mg/kg | 1 | A T 055s |
| BTEX - Benzene _A [#] | - | | | | | | | mg/kg | 0.01 | A T 022s |
| BTEX - Toluene _A [#] | - | | | | | | | mg/kg | 0.01 | A T 022s |
| BTEX - Ethyl Benzene _A [#] | - | | | | | | | mg/kg | 0.01 | A T 022s |
| BTEX - m & p Xylene _A [#] | - | | | | | | | mg/kg | 0.01 | A T 022s |
| BTEX - o Xylene _A [#] | - | | | | | | | mg/kg | 0.01 | A T 022s |
| MTBE _A [#] | - | | | | | | | mg/kg | 0.01 | A T 022s |

REPORT NOTES

General

This report shall not be reproduced, except in full, without written approval from Envirolab.

The results reported herein relate only to the material supplied to the laboratory.

The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.

Analytical results reflect the quality of the sample at the time of analysis only.

Opinions and interpretations expressed are outside the scope of our accreditation.

If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

Soil chemical analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bu k ID sample, 9 = INCINERATOR ASH.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bu k asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains vis ble hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Poss ble.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR
Tel. 0161 368 4921 email. [REDACTED]

Client: RSK Environment Ltd Hemel, 18 Frogmore Road, Hemel Hempstead,
Hertfordshire, UK, HP3 9RT

Project: Elsenham Phase II

Clients Project No: 1921748

Project No: 21/11221

Date Received: 15/10/2021 (am)

Cool Box Temperatures (°C): 12.9,13.2,13.3,13.2,12.9,13.5

NO DEVIATIONS IDENTIFIED with respect to sampling dates or containers received.

Note: If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3 (for water samples $5 \pm 3^\circ\text{C}$), ISO 18400-105:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

Envirolab Analysis Dates

| Lab Sample ID | 21/11221/1 | 21/11221/2 | 21/11221/3 | 21/11221/4 | 21/11221/5 | 21/11221/6 | 21/11221/7 | 21/11221/8 |
|------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Client Sample No | | | | | | | | |
| Client Sample ID/Depth | WS101 0.30m | WS105 0.30m | WS107 0.50m | TP101 0.20m | TP102 0.20m | TP103 0.20m | TP104 0.20m | TP105 0.20m |
| Date Sampled | 12/10/21 | 12/10/21 | 11/10/21 | 08/10/21 | 08/10/21 | 08/10/21 | 08/10/21 | 08/10/21 |
| A-T-019s | 21/10/2021 | 21/10/2021 | 21/10/2021 | 21/10/2021 | 21/10/2021 | | | |
| A-T-022s | | | | 21/10/2021 | 21/10/2021 | | | |
| A-T-024s | 28/10/2021 | 28/10/2021 | 28/10/2021 | 28/10/2021 | 28/10/2021 | | | |
| A-T-031s | 28/10/2021 | 28/10/2021 | 28/10/2021 | 28/10/2021 | 28/10/2021 | | | |
| A-T-044 | 28/10/2021 | 28/10/2021 | 28/10/2021 | 28/10/2021 | 28/10/2021 | 28/10/2021 | 28/10/2021 | 28/10/2021 |
| A-T-045 | 22/10/2021 | 22/10/2021 | 22/10/2021 | 22/10/2021 | 22/10/2021 | | | |
| A-T-055s | | | | 21/10/2021 | 21/10/2021 | | | |
| A-T-056 | | | | | | 22/10/2021 | 22/10/2021 | 22/10/2021 |

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

End of Report



APPENDIX J
LABORATORY CERTIFICATES FOR GEOTECHNICAL ANALYSIS
