



**Proposed Silica Sand Allocations - Norfolk
County Council Minerals and Waste Local Plan
Publication Document Consultation**

Supplementary Information Report

Document Control Sheet

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Supplementary Information Report

	Name	Position	Date
Prepared by:	Lewis Williams	Planning and Estates Manager	19/12/2022
Checked by:	David Walton	Head of Planning and Estates	19/12/2022
Approved by:	David Walton	Head of Planning and Estates	19/12/2022

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DRAWINGS

J0034027-22-01	Proposal Plan (Shouldham)
J0034027-22-02	Proposal Plan (South of A47)
J0034027-22-03	Proposal Plan (Charity Field)
J0034027-22-04	Proposal Plan (Ashwicken)
J0034027-22-05	Proposal Plan (Roydon)
J0034027-22-06	Proposal Plan (Sandringham)

APPENDICES

Appendix A	Supporting Geological Information
Appendix B	Grandcourt Extension – Charity Field Supporting Information
Appendix C	Shouldham Supporting Information

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1 INTRODUCTION

1.1 Context

- 1.1.1 This Supplementary Information Report has been prepared to support Sibelco's representation to the Norfolk County Council ('NCC') Minerals and Waste Local Publication Document Consultation ('MWLPPDC') (ref. SUS/PLAN/NORFOLKCC/L001). This report provides details about a number of sites put forward by Sibelco for allocation to help address the significant shortfall in silica sand reserves identified.
- 1.1.2 The sites have been submitted for consideration in light of concerns that the criteria-based approach used by NCC to plan for the forecasted need for silica sand is fundamentally unsound. It is considered that the allocation of the proposed sites and areas of search will ensure that sufficient provision for silica sand is afforded within the Minerals and Waste Local Plan in line with the National Planning Policy Framework.
- 1.1.3 This report contains information relating to the following sites:
- Specific Site: Grandcourt Quarry Extension – Charity Field
 - Preferred Area: South of A47
 - Area of Search: Ashwicken
 - Area of Search: Roydon
 - Area of Search: Shouldham
 - Area of Search: Sandringham
- 1.1.4 The above-mentioned sites are submitted to NCC for inclusion in the Mineral and Waste Local Plan. The information has been provided in a format reflecting the Minerals Specific Site Proposal Form.

2 DETAILS OF THE PERSON COMPLETING THE FORM

Name	Lewis Williams
Address	Brookside Hall Congleton Road Sandbach Cheshire CW11 4TF
Company	Sibelco
Contact telephone number	07836 537462
Email address	Lewis.williams@sibelco.com
Are you the owner of the land proposed?	No
Are you an agent acting on behalf of the landowner	No

3 GRANDCOURT QUARRY EXTENSION - CHARITY FIELD

3.1 Introduction

- 3.1.1 Grandcourt Quarry Extension - Charity Field is identified in Drawing J0034027-22-03. The site is put forward as a Specific Site.
- 3.1.2 The site is located adjacent to Grandcourt Quarry and would serve as a small-scale extension to the existing quarry. No changes to the existing working methods would be proposed as part of any planning application for mineral extraction at this site.
- 3.1.3 The principle of mineral extraction is already well established in this location due to:
- Extant planning permission for mineral extraction at Grandcourt Quarry
 - The allocation of Specific Site MIN 40 – land east of Grandcourt Farm, East Winch in the Minerals Site Specific Allocations Development Plan Document (DPD) (adopted October 2013, amendments adopted December 2017)
 - The proposed allocation of Specific Site MIN 40 – land east of Grandcourt Farm, East Winch in the Norfolk Minerals and Waste Local Plan
- 3.1.4 There are no justifiable planning reasons not to allocated this site as a Specific Site which would contribute to the identified shortfall in silica sand reserves identified.

3.2 Specific Details

Mineral Owner(s)	REDACTED
Do the mineral owners have full control of the mineral rights on the site?	Yes
Are the mineral owners willing for the site to be allocated for mineral extraction?	Yes
Have the mineral owners made a formal agreement with any mineral operator for mineral exploration?	Yes
Have the mineral owners made a formal agreement with any mineral operator for mineral extraction?	Yes – option for mineral purchase in place.
Is the proposal of this site for allocation, as a mineral extraction, supported by a mineral operator?	Yes (Sibelco)
Site Name	Grandcourt Quarry Extension - Charity Field
Site Area in Hectares	1.66

Have mineral investigations been carried out on the site?	Yes
Estimated mineral resource on site (tonnes)	500,000 tonnes of silica sand. See Appendix A for further information.
Potential start date for mineral extraction	2024
Estimated output per annum (tonnes)	900,000
Estimated life of mineral working in years	0.5 years
Estimated number of HGV movements per day	N/A – no change output from Leziate plant site.
Is the site within five kilometers of a SAC, SPA or Ramsar site?	No
Are you submitting further information regarding potential impacts to a SAC, SPA or Ramsar site?	No
Is the site within 250 metres of a SSSI which has a geological interest?	No
Is the site within 3 kilometres of a SSSI which has a biological interest?	Yes - the site is within 3km of East Winch Common SSSI, Blackborough End Pit SSSI and the River Nar SSSI.
Are you submitting further information regarding potential impacts to SSSIs?	No – The principle for mineral extraction in this location has already been established. Given the small-scale of the site relative to the existing operation there will be negligible additional impacts upon SSSIs in the vicinity of the site.
Is the site within the Norfolk Coast AONB	No
Is the site within 3km of the boundary of the Norfolk Coast AONB?	No
Are you submitting further information regarding potential impacts to the AONB?	No
Is the site within the Broads Authority executive area?	No
Is the site within 3km of the Broads Authority executive area?	No
Are you submitting further information regarding potential impacts to the Broads Authority Executive Area?	No
Is the site within a Core River Valley?	No

Are you submitting further information regarding potential impacts to a Core River Valley?	No
Is there a local wildlife and conservation designation on land within the site?	No
Is there a local wildlife designation on land within 250 metres of the site?	No
Are you submitting further information regarding potential impacts to local wildlife designations?	No
Are there any trees of significance on the site?	No
If yes, are these covered by a Tree Preservation Order?	N/A
Are you submitting further information regarding potential impacts to trees of significance?	No
Is the site within 250 metres of Ancient Woodland?	No
Are you submitting further information regarding potential impacts to Ancient Woodland?	No
Are there any sensitive receptors (e.g. residential dwellings, schools, workplaces, healthcare facilities) within 250 metres of the site?	No
Are you submitting further information on amenity?	No
Is the site within 250 metres of a heritage asset?	No
Is the site within the setting of a heritage asset?	No
Are there any areas of known archaeological interest within the site?	No
Are there any areas of known archaeological interest within 250 metres of the site?	Yes – established mitigation measures in place as part of the Grandcourt Quarry planning permission.
Have there been any archaeological finds within the site?	No

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If archaeological finds have been found on the site, what was it? and what is the Historic Environment Record no. if known?	N/A
Please state the Agricultural land classifications that occur within the site	Grade 3a and 3b
If agricultural grade 3 occurs within the site, has a detailed soil survey been undertaken to identify grades and sub-grades 3a and 3b?	Yes see Appendix B.
Are there any electricity and gas transmission, or water infrastructure assets which cross the site?	No
If there are any electricity and gas transmission, or water infrastructure assets, please give details	No
Please provide details of the proposed restoration scheme and after-use	Nature conservation and lake.
Landowner declarations.	Secured via agreement of mineral purchase option as set out in Title NK504005.

4 SOUTH OF THE A47

4.1 Introduction

- 4.1.1 Land South of the A47 is identified in Drawing J0034027-22-02. This site is put forward as a Preferred Area.
- 4.1.2 The site contains a significant quantity of silica sand in close proximity to Grandcourt Quarry. This would enable off-highway transfer of the mineral back to the Leziat Plant Site.
- 4.1.3 The principle of mineral extraction in this area is well established with long-term operations occurring to the immediate north and south. It is proposed that mineral extraction at the site would commence on the exhaustion of reserves within Grandcourt Quarry. Suitable mitigation measures would be designed into the proposal through the EIA process which would come forward at the planning application stage.
- 4.1.4 It is considered that the allocation of this site as a Preferred Area would go some way to addressing the significant shortfall in silica sand which has been identified.

4.2 Specific Details

Mineral Owner(s)	<ul style="list-style-type: none"> • REDACTED • REDACTED • REDACTED • REDACTED
Do the mineral owners have full control of the mineral rights on the site?	Yes
Are the mineral owners willing for the site to be allocated for mineral extraction?	N/A
Have the mineral owners made a formal agreement with any mineral operator for mineral exploration?	Yes
Have the mineral owners made a formal agreement with any mineral operator for mineral extraction?	No
Is the proposal of this site for allocation, as a mineral extraction, supported by a mineral operator?	Yes (Sibelco)
Site Name	Land South of A47
Site Area in Hectares	105
Have mineral investigations been carried out on the site?	Yes

Estimated mineral resource on site (tonnes)	>10 million tonnes of silica sand. See Appendix A. Note full details of mineral exploration is not available as this is currently ongoing. Initial analysis suggests a mineral resource greater than 10 million.
Potential start date for mineral extraction	2028
Estimated output per annum (tonnes)	900,000
Estimated life of mineral working in years	10
Estimated number of HGV movements per day	N/A – proposed to pump mineral to Leziate Plant Site.
Is the site within five kilometers of a SAC, SPA or Ramsar site?	Yes – the site is approximately 4.5km from Norfolk Valley Fen SAC.
Are you submitting further information regarding potential impacts to a SAC, SPA or Ramsar site?	No - the site is approximately 4.5km from Norfolk Valley Fen SAC. As the working of the site will following the restoration of Grandcourt Quarry extension it is considered any impacts on this designated site can be appropriately mitigated.
Is the site within 250 metres of a SSSI which has a geological interest?	No
Is the site within 3 kilometres of a SSSI which has a biological interest?	Yes - the site is within 3km of East Winch Common SSSI, Blackborough End Pit SSSI and the River Nar SSSI.
Are you submitting further information regarding potential impacts to SSSIs?	No – the principle of mineral extraction in the immediate vicinity of the site has been established and a number of mineral extraction sites are operational. It is considered any impacts on this designated site can be appropriately mitigated.
Is the site within the Norfolk Coast AONB	No
Is the site within 3km of the boundary of the Norfolk Coast AONB?	No
Are you submitting further information regarding potential impacts to the AONB?	No
Are you submitting further information regarding potential impacts to the AONB?	No
Is the site within the Broads Authority executive area?	No
Is the site within 3km of the Broads Authority executive area?	No

Are you submitting further information regarding potential impacts to the Broads Authority Executive Area?	No
Is the site within a Core River Valley?	No
Are you submitting further information regarding potential impacts to a Core River Valley?	No
Are you submitting further information regarding potential impacts to a Core River Valley?	No
Is there a local wildlife and conservation designation on land within the site?	No
Is there a local wildlife designation on land within 250 metres of the site?	No
Are you submitting further information regarding potential impacts to local wildlife designations?	No
Are there any trees of significance on the site?	No
If yes, are these covered by a Tree Preservation Order?	N/A
Are you submitting further information regarding potential impacts to trees of significance?	No
Is the site within 250 metres of Ancient Woodland?	No
Are you submitting further information regarding potential impacts to Ancient Woodland?	No
Are there any sensitive receptors (e.g. residential dwellings, schools, workplaces, healthcare facilities) within 250 metres of the site?	Yes – residential properties, businesses and commercial premises are located within or adjacent to the boundary of the site.
Are you submitting further information on amenity?	No – the extent of mineral extraction will be dependent on securing rights to demolish buildings within the site and the iterative design process governed by EIA and geotechnical considerations. Appropriate mitigation measures such as buffer zones and perimeter bunds can be put in place to reduce adverse effects. It is notable there are a number of operational quarries surrounding the site which have established a principle

	that mineral extraction in close proximity to sensitive receptors is acceptable.
Is the site within 250 metres of a heritage asset?	Yes
Is the site within the setting of a heritage asset?	Unknown – dependent on heritage assessment.
Are there any areas of known archaeological interest within the site?	No
Are there any areas of known archaeological interest within 250 metres of the site?	No
Have there been any archaeological finds within the site?	No
If archaeological finds have been found on the site, what was it? and what is the Historic Environment Record no. if known?	N/A
Please state the Agricultural land classifications that occur within the site	Grade 3 and 4
If agricultural grade 3 occurs within the site, has a detailed soil survey been undertaken to identify grades and sub-grades 3a and 3b?	No
Are there any electricity and gas transmission, or water infrastructure assets which cross the site?	Yes
If there are any electricity and gas transmission, or water infrastructure assets, please give details	National High Pressure Gas Pipeline
Please provide details of the proposed restoration scheme and after-use	To be determined.
Landowner declarations.	Not required for Preferred Areas as per Planning Practices Guidance.

5 ASHWICKEN

5.1 Introduction

- 5.1.1 Ashwicken is identified in Drawing J0034027-22-04. This site is put forward as an Area of Search.
- 5.1.2 The site has been promoted historically by Sibelco (ref. MIN 39) as part of the preparation of the Core Strategy and Minerals and Waste Development Management Policies Development Plan Document 2010-2026. The site was assessed in the Mineral Site Assessment report dated October 2009. The report concludes:

“It is proposed to allocate this site as an Area of Search, however it will only need to come forward as an active site if there is a need for additional Silica Sand resources during the plan period. MIN 40 is proposed to be allocated for 3,000,000 tonnes of silica sand, and would meet the overall requirement for silica sand.”

- 5.1.3 In view of the significant shortfall of silica sand reserves identified, it is considered that this site should be allocated as an Area of Search. This would help to provide a suitable level of provision for silica sand throughout the Plan period in line with the minimum requirements outlined. It is noted that the site is located in close proximity to the Leziat Plant Site which would enable off-highway transfer of mineral.

5.2 Specific Details

Mineral Owner(s)	<ul style="list-style-type: none"> • REDACTED • REDACTED • REDACTED
Do the mineral owners have full control of the mineral rights on the site?	Yes
Are the mineral owners willing for the site to be allocated for mineral extraction?	N/A
Have the mineral owners made a formal agreement with any mineral operator for mineral exploration?	Yes - historically
Have the mineral owners made a formal agreement with any mineral operator for mineral extraction?	Yes – historically
Is the proposal of this site for allocation, as a mineral extraction, supported by a mineral operator?	Yes (Sibelco)
Site Name	Ashwicken
Site Area in Hectares	200

Have mineral investigations been carried out on the site?	Yes
Estimated mineral resource on site (tonnes)	TBC – currently being re-evaluated.
Potential start date for mineral extraction	2036
Estimated output per annum (tonnes)	900,000
Estimated life of mineral working in years	TBC
Estimated number of HGV movements per day	N/A – it is proposed to transfer mineral to Leziate Plant Site off-highway.
Is the site within five kilometers of a SAC, SPA or Ramsar site?	Yes – the site is approximately 1.75km from Norfolk Valley Fen SAC.
Are you submitting further information regarding potential impacts to a SAC, SPA or Ramsar site?	No – It is considered that there are a number of mineral extraction methods that would limit impact on the identified site such as working above the groundwater table and dredging.
Is the site within 250 metres of a SSSI which has a geological interest?	No
Is the site within 3 kilometres of a SSSI which has a biological interest?	Yes - the site is within 3km of the Leziate, Sugar and Derby Fens SSSI, Barsey SSSI and Norfolk Valley Fen SSSI.
Are you submitting further information regarding potential impacts to SSSIs?	No – It is considered that there are a number of mineral extraction methods that would limit impact on the identified site such as working above the groundwater table and dredging.
Is the site within the Norfolk Coast AONB	No
Is the site within 3km of the boundary of the Norfolk Coast AONB?	No
Are you submitting further information regarding potential impacts to the AONB?	No
Are you submitting further information regarding potential impacts to the AONB?	No
Is the site within the Broads Authority executive area?	No
Is the site within 3km of the Broads Authority executive area?	No
Are you submitting further information regarding potential impacts to the Broads Authority Executive Area?	No

Is the site within a Core River Valley?	No
Are you submitting further information regarding potential impacts to a Core River Valley?	No
Is there a local wildlife and conservation designation on land within the site?	No
Is there a local wildlife designation on land within 250 metres of the site?	No
Are you submitting further information regarding potential impacts to local wildlife designations?	No
Are there any trees of significance on the site?	No
If yes, are these covered by a Tree Preservation Order?	N/A
Are you submitting further information regarding potential impacts to trees of significance?	No
Is the site within 250 metres of Ancient Woodland?	No
Are you submitting further information regarding potential impacts to Ancient Woodland?	No
Are there any sensitive receptors (e.g. residential dwellings, schools, workplaces, healthcare facilities) within 250 metres of the site?	Yes – residential properties are located on the boundary of the site.
Are you submitting further information on amenity?	No – the Area of Search covers a significant area and so it is feasible that any planning application for mineral extraction would cover a smaller area with design measures embedded in any scheme to avoid the potential for impacts on amenity.
Is the site within 250 metres of a heritage asset?	No
Is the site within the setting of a heritage asset?	No
Are there any areas of known archaeological interest within the site?	No
Are there any areas of known archaeological interest within 250 metres of the site?	No

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Have there been any archaeological finds within the site?	No
If archaeological finds have been found on the site, what was it? and what is the Historic Environment Record no. if known?	N/A
Please state the Agricultural land classifications that occur within the site	Grade 3
If agricultural grade 3 occurs within the site, has a detailed soil survey been undertaken to identify grades and sub-grades 3a and 3b?	No
Are there any electricity and gas transmission, or water infrastructure assets which cross the site?	Yes
If there are any electricity and gas transmission, or water infrastructure assets, please give details	Overhead powerlines
Please provide details of the proposed restoration scheme and after-use	To be determined.
Landowner declarations.	Not required for Areas of Search as per Planning Practices Guidance.

6 ROYDON

6.1 Introduction

- 6.1.1 Roydon is identified in Drawing J0034027-22-05. This site is put forward as an Area of Search.
- 6.1.2 In view of the significant shortfall of silica sand reserves identified, it is considered that this site should be allocated as an Area of Search. This would help to provide a suitable level of provision for silica sand throughout the Plan period in line with the minimum requirements outlined. It would also provide much needed flexibility in addressing the significant shortfall identified.

6.2 Specific Details

Mineral Owner(s)	<ul style="list-style-type: none"> • REDACTED • REDACTED
Do the mineral owners have full control of the mineral rights on the site?	Yes
Are the mineral owners willing for the site to be allocated for mineral extraction?	N/A
Have the mineral owners made a formal agreement with any mineral operator for mineral exploration?	Yes
Have the mineral owners made a formal agreement with any mineral operator for mineral extraction?	No
Is the proposal of this site for allocation, as a mineral extraction, supported by a mineral operator?	Yes (Sibelco)
Site Name	Roydon
Site Area in Hectares	141
Have mineral investigations been carried out on the site?	Yes
Estimated mineral resource on site (tonnes)	>10 million. Further mineral exploration scheduled for 2023 to quantify mineral resource for full extent of area. See Appendix A.
Potential start date for mineral extraction	2036
Estimated output per annum (tonnes)	900,000
Estimated life of mineral working in years	>10 years

Estimated number of HGV movements per day	N/A – it is proposed to transfer mineral to Leziate Plant Site off-highway or via an interim stocking area.
Is the site within five kilometers of a SAC, SPA or Ramsar site?	Yes – the site is adjacent to Roydon Common.
Are you submitting further information regarding potential impacts to a SAC, SPA or Ramsar site?	No – It is considered that there are a number of mineral extraction methods that would limit impact on the identified site. For instance the site could be worked above the groundwater table or via dredge.
Is the site within 250 metres of a SSSI which has a geological interest?	Yes - the site is adjacent to Grimston Warren Pit SSSI.
Is the site within 3 kilometres of a SSSI which has a biological interest?	Yes - the site is adjacent to Roydon Common and c 2.5km from Leziate, Sugar and Derby Fens SSSI.
Are you submitting further information regarding potential impacts to SSSIs?	No – It is considered that there are a number of mineral extraction methods that would limit impact on the identified site. For instance the site could be worked above the groundwater table or via dredge.
Is the site within the Norfolk Coast AONB	No
Is the site within 3km of the boundary of the Norfolk Coast AONB?	Yes
Are you submitting further information regarding potential impacts to the AONB?	No – mitigation measures will be governed by the iterative EIA process.
Is the site within the Broads Authority executive area?	No
Is the site within 3km of the Broads Authority executive area?	No
Are you submitting further information regarding potential impacts to the Broads Authority Executive Area?	No
Is the site within a Core River Valley?	No
Are you submitting further information regarding potential impacts to a Core River Valley?	No
Is there a local wildlife and conservation designation on land within the site?	No
Is there a local wildlife designation on land within 250 metres of the site?	No

Are you submitting further information regarding potential impacts to local wildlife designations?	No
Are there any trees of significance on the site?	No
If yes, are these covered by a Tree Preservation Order?	N/A
Are you submitting further information regarding potential impacts to trees of significance?	No
Is the site within 250 metres of Ancient Woodland?	No
Are you submitting further information regarding potential impacts to Ancient Woodland?	No
Are there any sensitive receptors (e.g. residential dwellings, schools, workplaces, healthcare facilities) within 250 metres of the site?	No
Are you submitting further information on amenity?	No
Is the site within 250 metres of a heritage asset?	Yes
Is the site within the setting of a heritage asset?	Unknown
Are there any areas of known archaeological interest within the site?	Unknown
Are there any areas of known archaeological interest within 250 metres of the site?	Unknown
Have there been any archaeological finds within the site?	Unknown
If archaeological finds have been found on the site, what was it? and what is the Historic Environment Record no. if known?	N/A
Please state the Agricultural land classifications that occur within the site	Grade 3 and 4
If agricultural grade 3 occurs within the site, has a detailed soil survey been undertaken to identify grades and sub-grades 3a and 3b?	No

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Are there any electricity and gas transmission, or water infrastructure assets which cross the site?	No
If there are any electricity and gas transmission, or water infrastructure assets, please give details	N/A
Please provide details of the proposed restoration scheme and after-use	To be determined. Likely to include nature conservation use to complement Roydon Common.
Landowner declarations.	Not required for Areas of Search as per Planning Practices Guidance.

7 SHOULDHAM

7.1 Introduction

- 7.1.1 Shouldham is identified in Drawing J0034027-22-01. This Site is put forward as an Area of Search. The site is AOS E with the addition of land adjacent to the River Nar.
- 7.1.2 In view of the significant shortfall of silica sand reserves identified, it is considered that this site should be allocated as an Area of Search. This would help to provide a suitable level of provision for silica sand throughout the Plan period in line with the minimum requirements outlined. It would also provide much needed flexibility in addressing the significant shortfall identified.
- 7.1.3 It is noted that the site was allocated in the Minerals Site Specific Allocations Development Plan Document (DPD) (adopted October 2013, amendments adopted December 2017). Given that the shortfall in silica sand has increased since this period, there is no justifiable planning reason not to allocate this site.

7.2 Specific Details

Mineral Owner(s)	Various
Do the mineral owners have full control of the mineral rights on the site?	Yes
Are the mineral owners willing for the site to be allocated for mineral extraction?	N/A
Have the mineral owners made a formal agreement with any mineral operator for mineral exploration?	Yes
Have the mineral owners made a formal agreement with any mineral operator for mineral extraction?	No
Is the proposal of this site for allocation, as a mineral extraction, supported by a mineral operator?	Yes (Sibelco)
Site Name	Shouldham
Site Area in Hectares	1,291
Have mineral investigations been carried out on the site?	Yes
Estimated mineral resource on site (tonnes)	>10 million. See Appendix A.
Potential start date for mineral extraction	2036
Estimated output per annum (tonnes)	900,000
Estimated life of mineral working in years	>10 years

Estimated number of HGV movements per day	N/A – it proposed to pump mineral to the existing Leziate Plant Site.
Is the site within five kilometers of a SAC, SPA or Ramsar site?	No
Are you submitting further information regarding potential impacts to a SAC, SPA or Ramsar site?	No
Is the site within 250 metres of a SSSI which has a geological interest?	No
Is the site within 3 kilometres of a SSSI which has a biological interest?	Yes – River Nar SSSI is adjacent to the site and Narborough Railway Embankment SSSI is c 3.5km from the site. and Derby Fens SSSI.
Are you submitting further information regarding potential impacts to SSSIs?	Yes – PEA undertaken on part of the site shows the number of enhancement opportunities available should mineral development come forward. See Appendix C
Is the site within the Norfolk Coast AONB	No
Is the site within 3km of the boundary of the Norfolk Coast AONB?	No
Are you submitting further information regarding potential impacts to the AONB?	No
Are you submitting further information regarding potential impacts to the AONB?	No
Is the site within the Broads Authority executive area?	No
Is the site within 3km of the Broads Authority executive area?	No
Are you submitting further information regarding potential impacts to the Broads Authority executive area?	No
Is the site within a Core River Valley?	Yes
Are you submitting further information regarding potential impacts to a Core River Valley?	No – it is considered that suitable mitigation could be incorporated in the development to mitigate adverse effects.
Is there a local wildlife and conservation designation on land within the site?	No
Is there a local wildlife designation on land within 250 metres of the site?	No

Are you submitting further information regarding potential impacts to local wildlife designations?	No
Are there any trees of significance on the site?	No
If yes, are these covered by a Tree Preservation Order?	N/A
Are you submitting further information regarding potential impacts to trees of significance?	No
Is the site within 250 metres of Ancient Woodland?	No
Are you submitting further information regarding potential impacts to Ancient Woodland?	No
Are there any sensitive receptors (e.g. residential dwellings, schools, workplaces, healthcare facilities) within 250 metres of the site?	Various sensitive receptors are located on the perimeter of the site.
Are you submitting further information on amenity?	No – mitigation measures can be implemented as part of any development proposal coming forward to mitigate adverse effects.
Is the site within 250 metres of a heritage asset?	Yes
Is the site within the setting of a heritage asset?	Unknown
Are there any areas of known archaeological interest within the site?	Yes
Are there any areas of known archaeological interest within 250 metres of the site?	Yes
Have there been any archaeological finds within the site?	Yes
If archaeological finds have been found on the site, what was it? and what is the Historic Environment Record no. if known?	See Appendix C.
Please state the Agricultural land classifications that occur within the site	Grade 1 – 3b
If agricultural grade 3 occurs within the site, has a detailed soil survey been undertaken	Yes. See Appendix C.

to identify grades and sub-grades 3a and 3b?	
Are there any electricity and gas transmission, or water infrastructure assets which cross the site?	Yes
If there are any electricity and gas transmission, or water infrastructure assets, please give details	Overhead powerlines
Please provide details of the proposed restoration scheme and after-use	To be determined. Options include a dry working and restoration to deter bird activity. Measures such as floating solar panels, small lagoons and peninsulas could also be used on restoration to deter bird activity.
Landowner declarations.	Not required for Areas of Search as per Planning Practices Guidance.

8 SANDRINGHAM

8.1 Introduction

- 8.1.1 Sandringham is identified in Drawing J0034027-22-06. This Site is put forward as an Area of Search.
- 8.1.2 In view of the significant shortfall of silica sand reserves identified, it is considered that this site should be allocated as an Area of Search. This would help to provide a suitable level of provision for silica sand throughout the Plan period in line with the minimum requirements outlined. It would also provide much needed flexibility in addressing the significant shortfall identified.

8.2 Specific Details

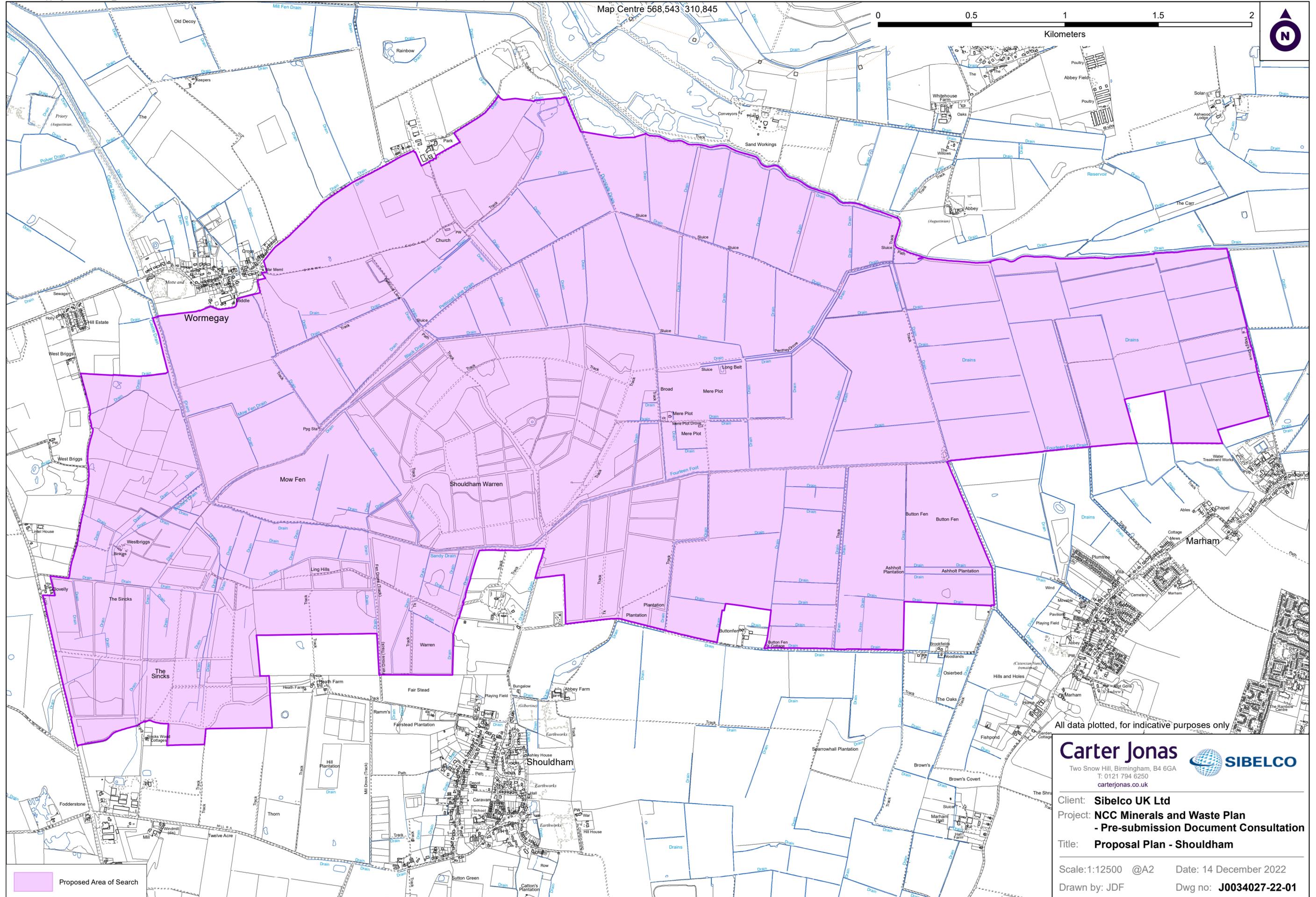
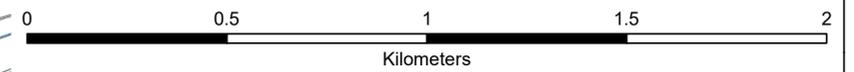
Mineral Owner(s)	REDACTED
Do the mineral owners have full control of the mineral rights on the site?	Yes
Are the mineral owners willing for the site to be allocated for mineral extraction?	N/A
Have the mineral owners made a formal agreement with any mineral operator for mineral exploration?	No
Have the mineral owners made a formal agreement with any mineral operator for mineral extraction?	No
Is the proposal of this site for allocation, as a mineral extraction, supported by a mineral operator?	Yes (Sibelco)
Site Name	Sandringham
Site Area in Hectares	263
Have mineral investigations been carried out on the site?	No
Estimated mineral resource on site (tonnes)	Unknown
Potential start date for mineral extraction	2036
Estimated output per annum (tonnes)	900,000
Estimated life of mineral working in years	Unknown
Estimated number of HGV movements per day	N/A – proposed to pump mineral to existing processing plant.
Is the site within five kilometers of a SAC, SPA or Ramsar site?	Yes – the site is 1.75km from Roydon Common

Are you submitting further information regarding potential impacts to a SAC, SPA or Ramsar site?	No - It is considered that there are a number of mineral extraction methods that would limit impact on the identified site. For instance the site could be worked above the groundwater table or via dredge.
Is the site within 250 metres of a SSSI which has a geological interest?	No
Is the site within 3 kilometres of a SSSI which has a biological interest?	Yes - the site is 1.75km from Roydon Common
Are you submitting further information regarding potential impacts to SSSIs?	No - It is considered that there are a number of mineral extraction methods that would limit impact on the identified site. For instance the site could be worked above the groundwater table or via dredge.
Is the site within the Norfolk Coast AONB	Yes
Is the site within 3km of the boundary of the Norfolk Coast AONB?	Yes
Are you submitting further information regarding potential impacts to the AONB?	No – mineral extraction is in the public interest and given the significant shortfall in silica sand resources would have greater weight than any potential adverse effects upon the AONB.
Is the site within the Broads Authority executive area?	No
Is the site within 3km of the Broads Authority executive area?	No
Are you submitting further information regarding potential impacts to the Broads Authority executive area?	No
Is the site within a Core River Valley?	No
Are you submitting further information regarding potential impacts to a Core River Valley?	No
Is there a local wildlife and conservation designation on land within the site?	No
Is there a local wildlife designation on land within 250 metres of the site?	No
Are you submitting further information regarding potential impacts to local wildlife designations?	No

Are there any trees of significance on the site?	No
If yes, are these covered by a Tree Preservation Order?	N/A
Are you submitting further information regarding potential impacts to trees of significance?	No
Is the site within 250 metres of Ancient Woodland?	No
Are you submitting further information regarding potential impacts to Ancient Woodland?	No
Are there any sensitive receptors (e.g. residential dwellings, schools, workplaces, healthcare facilities) within 250 metres of the site?	No
Are you submitting further information on amenity?	No
Is the site within 250 metres of a heritage asset?	Yes
Is the site within the setting of a heritage asset?	No
Are there any areas of known archaeological interest within the site?	No
Are there any areas of known archaeological interest within 250 metres of the site?	No
Have there been any archaeological finds within the site?	No
If archaeological finds have been found on the site, what was it? and what is the Historic Environment Record no. if known?	N/A
Please state the Agricultural land classifications that occur within the site	Grade 4
If agricultural grade 3 occurs within the site, has a detailed soil survey been undertaken to identify grades and sub-grades 3a and 3b?	No
Are there any electricity and gas transmission, or water infrastructure assets which cross the site?	No

Proposed Silica Sand Allocations - Norfolk County Council Minerals and Waste Local Plan
Publication Document Consultation
Supplementary Information Report

If there are any electricity and gas transmission, or water infrastructure assets, please give details	N/A
Please provide details of the proposed restoration scheme and after-use	To be determined. Likely to include nature conservation use to complement Roydon Common.
Landowner declarations.	Not required for Areas of Search as per Planning Practices Guidance.



 Proposed Area of Search

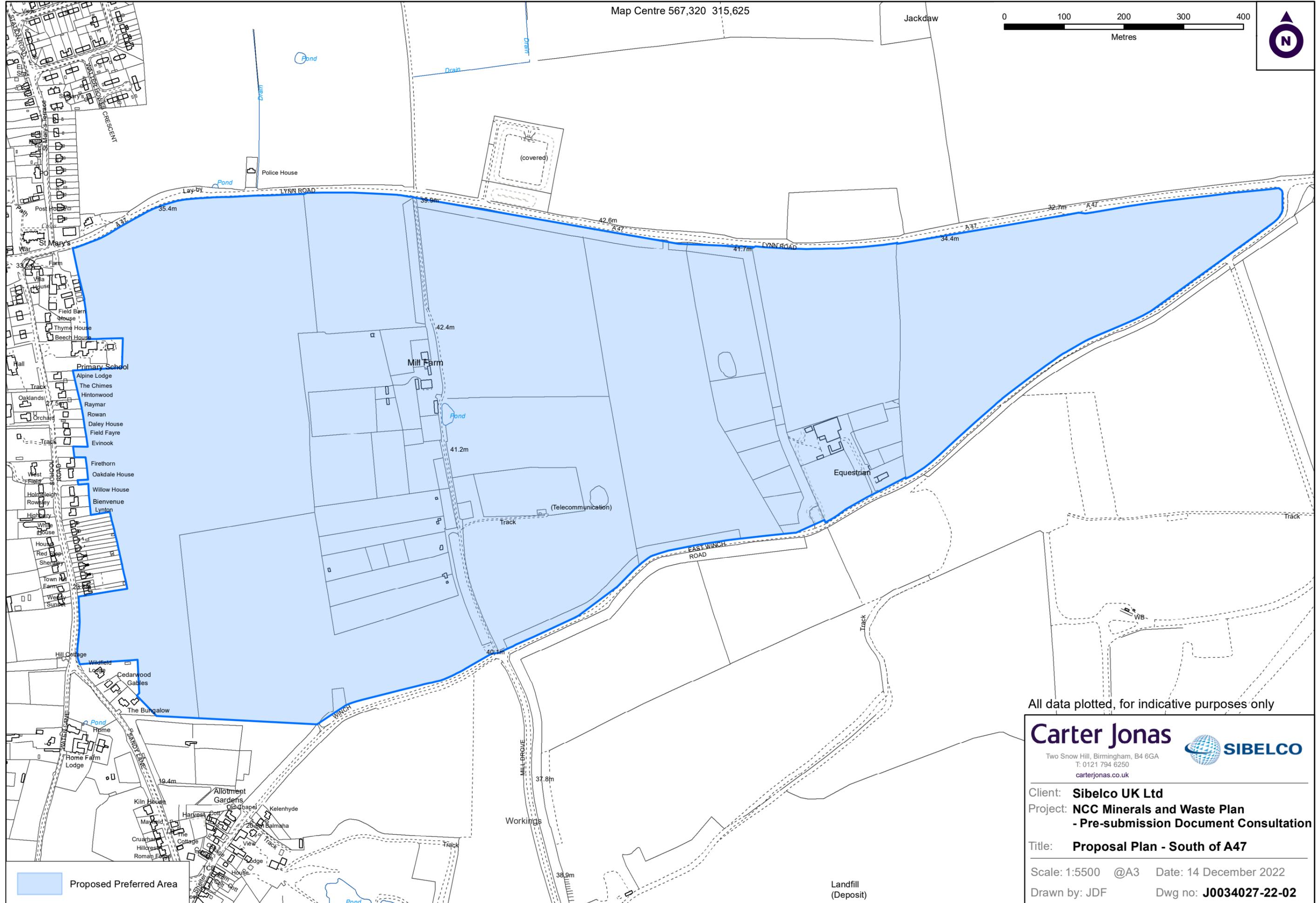
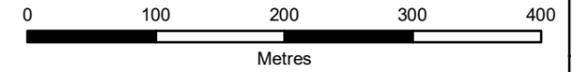
All data plotted, for indicative purposes only

Carter Jonas 
Two Snow Hill, Birmingham, B4 6GA
T: 0121 794 6250
carterjonas.co.uk

Client: **Sibelco UK Ltd**
Project: **NCC Minerals and Waste Plan
- Pre-submission Document Consultation**
Title: **Proposal Plan - Shouldham**

Scale: 1:12500 @A2 Date: 14 December 2022
Drawn by: JDF Dwg no: **J0034027-22-01**

Map Centre 567,320 315,625



All data plotted, for indicative purposes only

Carter Jonas 

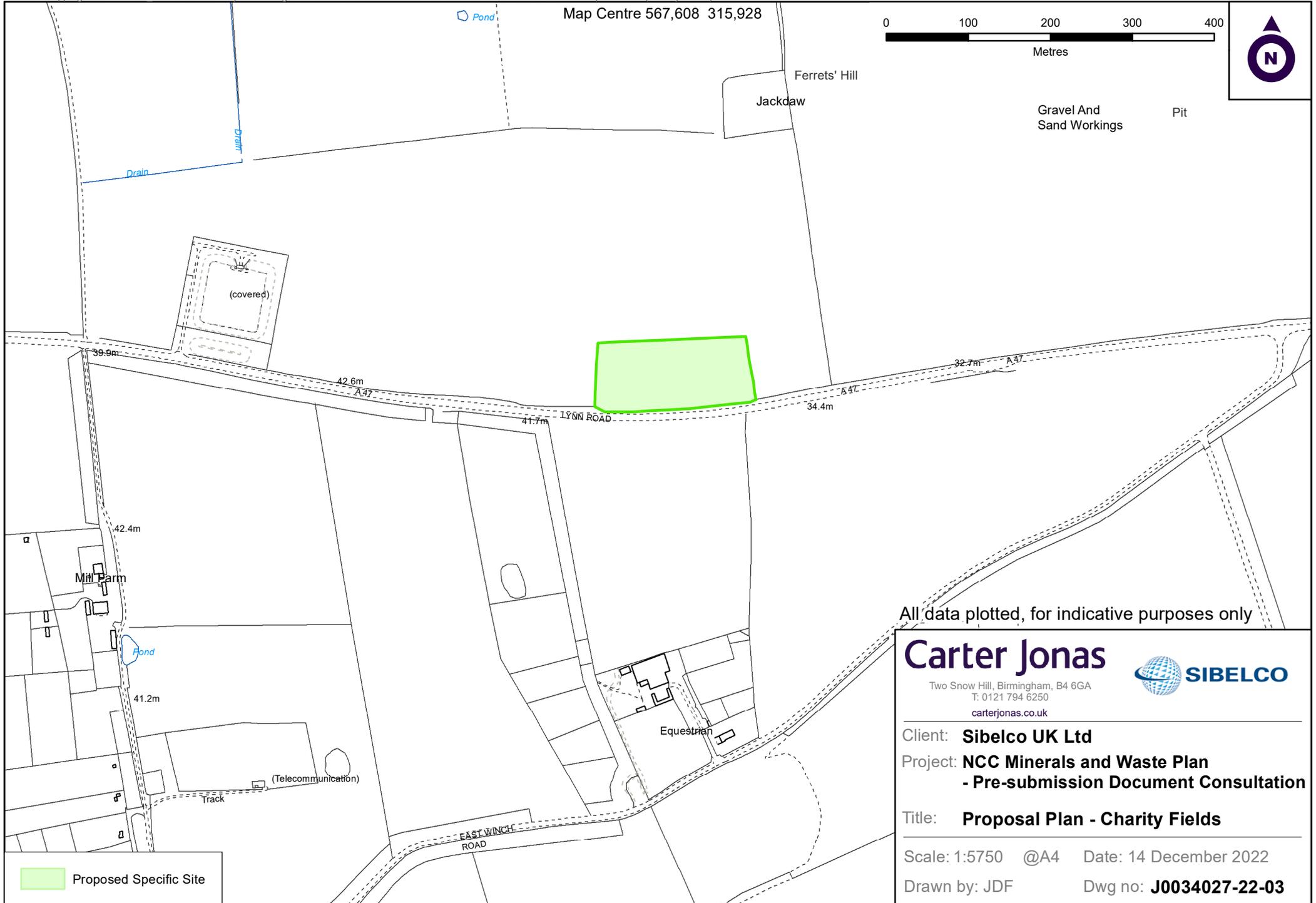
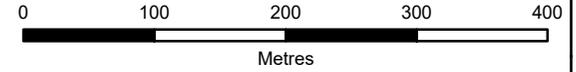
Two Snow Hill, Birmingham, B4 6GA
T: 0121 794 6250
carterjonas.co.uk

Client: **Sibelco UK Ltd**
 Project: **NCC Minerals and Waste Plan - Pre-submission Document Consultation**
 Title: **Proposal Plan - South of A47**

Scale: 1:5500 @A3 Date: 14 December 2022
 Drawn by: JDF Dwg no: **J0034027-22-02**

Proposed Preferred Area

Map Centre 567,608 315,928



All data plotted, for indicative purposes only

Carter Jonas



Two Snow Hill, Birmingham, B4 6GA
T: 0121 794 6250
carterjonas.co.uk

Client: **Sibelco UK Ltd**

Project: **NCC Minerals and Waste Plan
- Pre-submission Document Consultation**

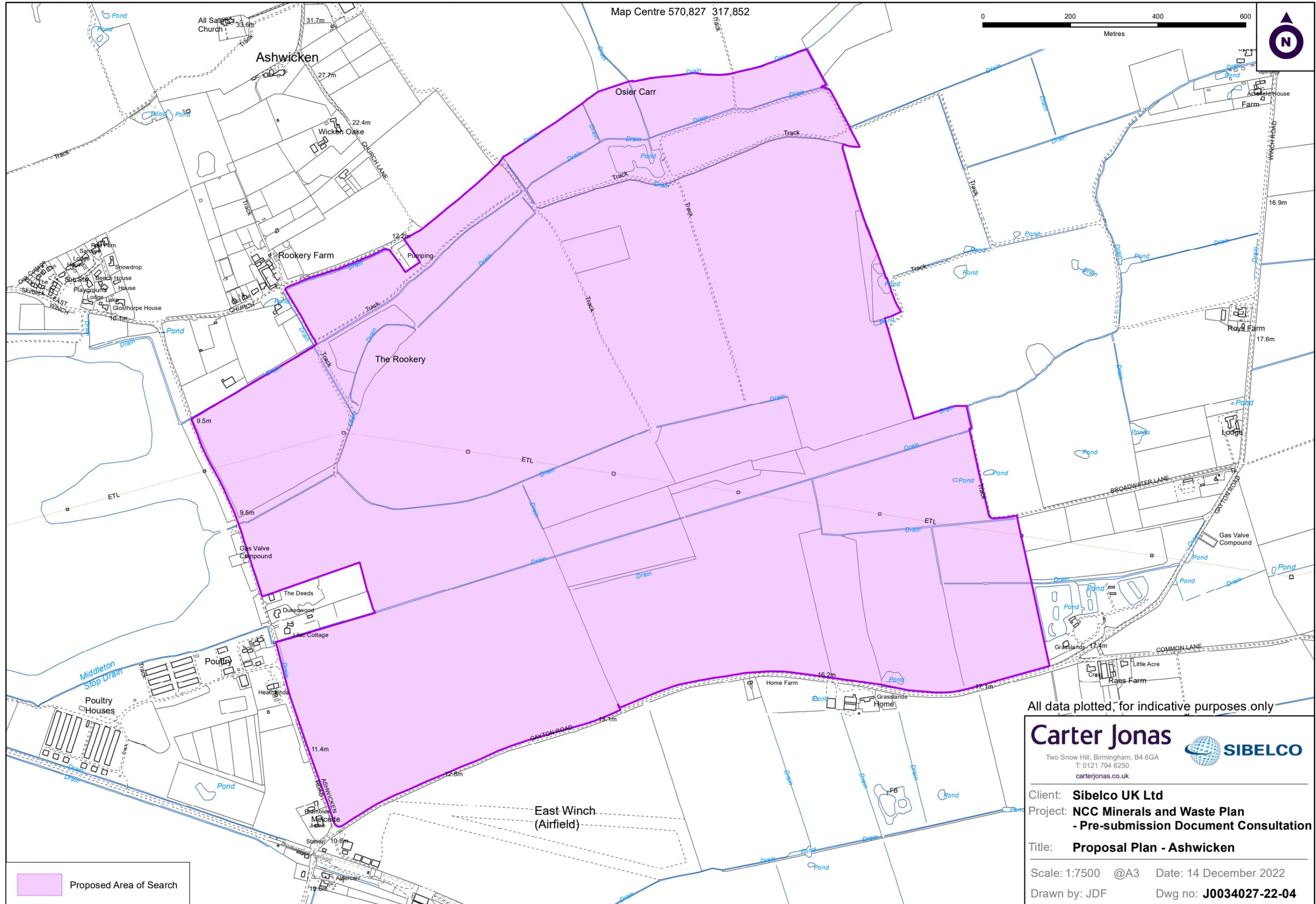
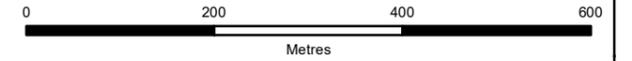
Title: **Proposal Plan - Charity Fields**

Scale: 1:5750 @A4 Date: 14 December 2022

Drawn by: JDF Dwg no: **J0034027-22-03**

 Proposed Specific Site

Map Centre 570,827 317,852



Proposed Area of Search

All data plotted, for indicative purposes only

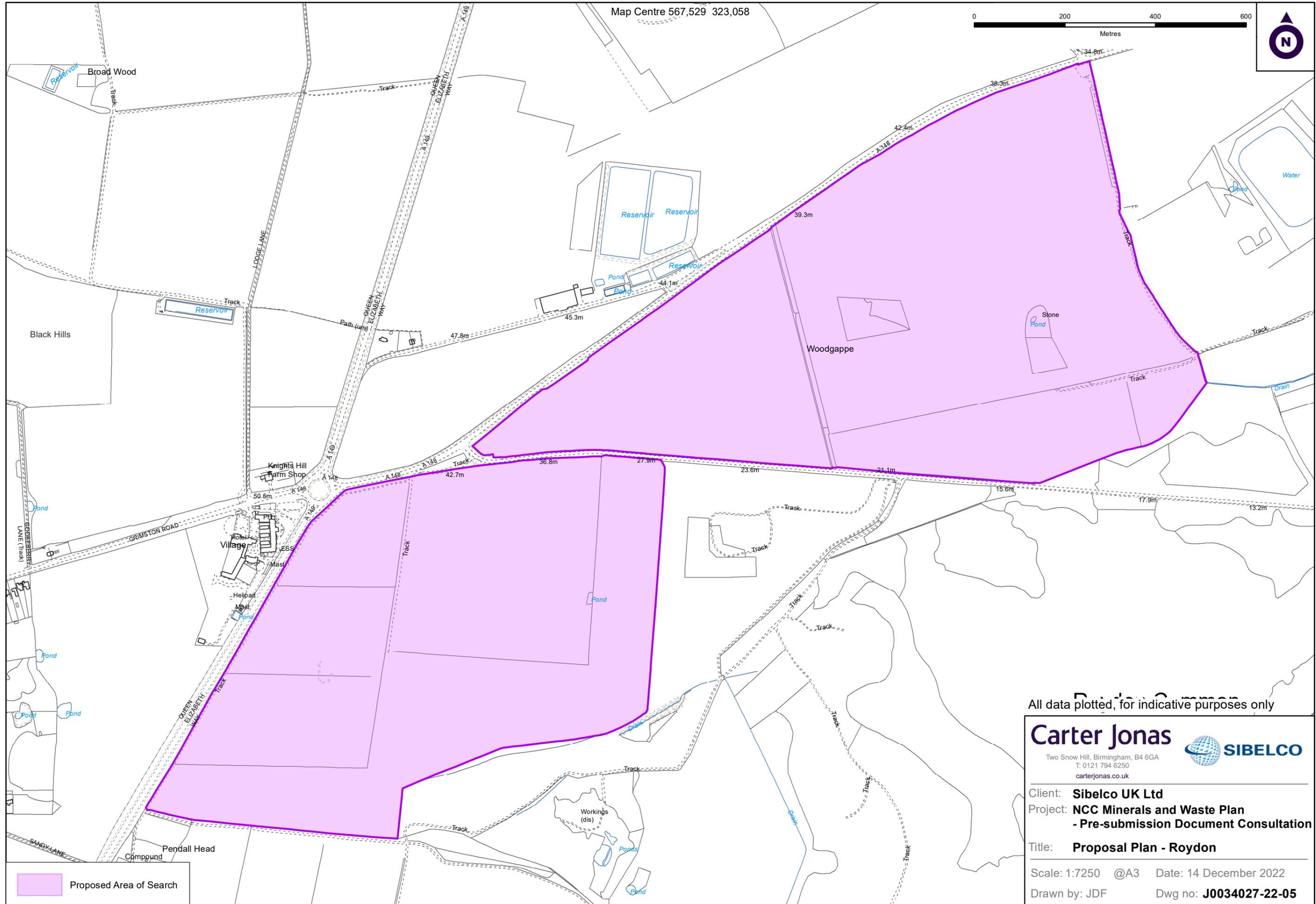
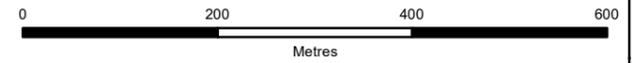
Carter Jonas 

Two Snow Hill, Birmingham, B4 6GA
 T: 0121 794 6250
 carterjonas.co.uk

Client: **Sibelco UK Ltd**
 Project: **NCC Minerals and Waste Plan - Pre-submission Document Consultation**
 Title: **Proposal Plan - Ashwicken**

Scale: 1:7500 @A3 Date: 14 December 2022
 Drawn by: JDF Dwg no: **J0034027-22-04**

Map Centre 567,529 323,058



Proposed Area of Search

All data plotted, for indicative purposes only

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Two Snow Hill, Birmingham, B4 6GA
T: 0121 794 6250
carterjonas.co.uk

Client: **Sibelco UK Ltd**
 Project: **NCC Minerals and Waste Plan - Pre-submission Document Consultation**
 Title: **Proposal Plan - Roydon**

Scale: 1:7250 @A3 Date: 14 December 2022
 Drawn by: JDF Dwg no: **J0034027-22-05**

