

Great North Road Solar and Biodiversity Park


Phase One Consultation Materials - Part 3 of 5

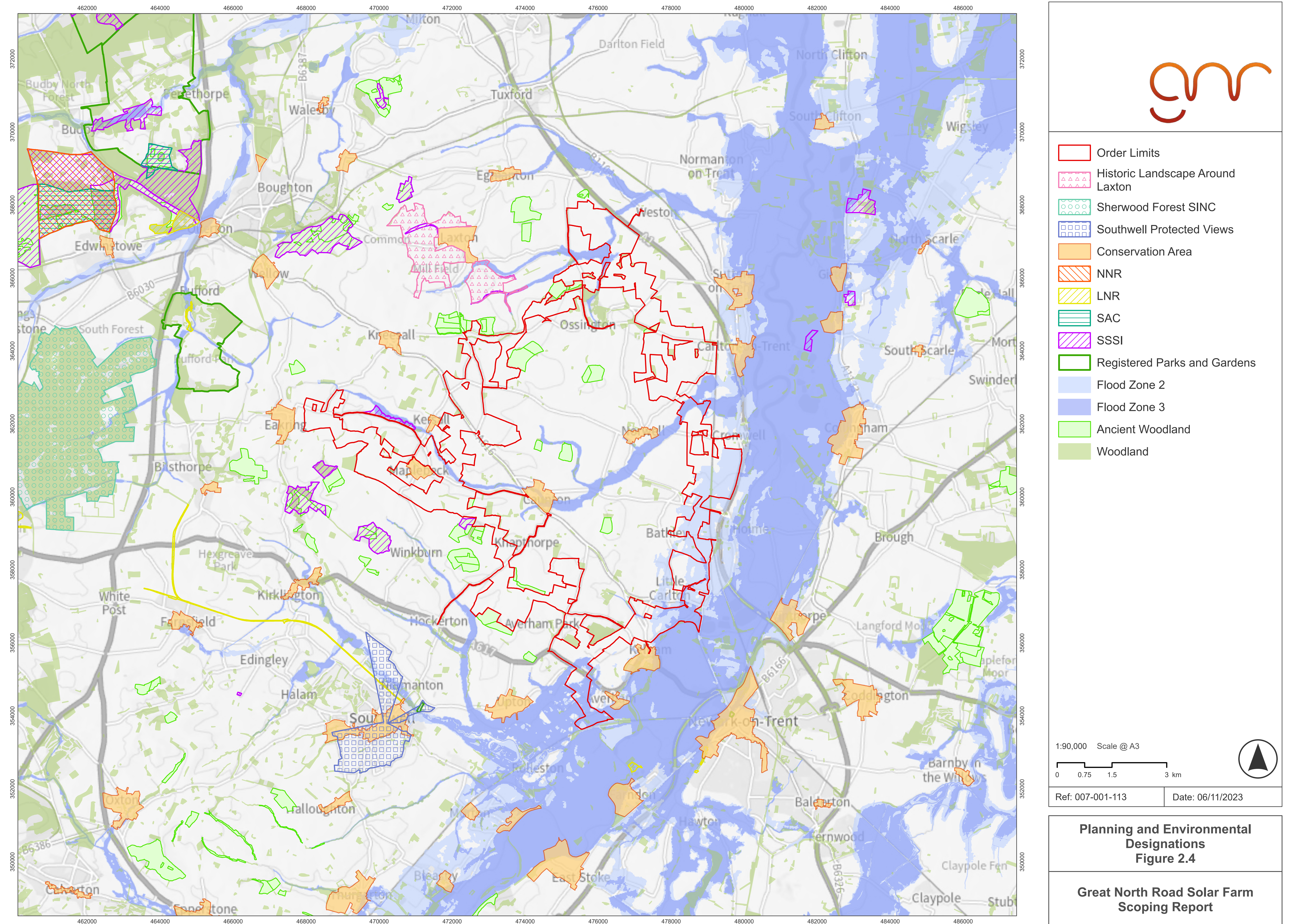
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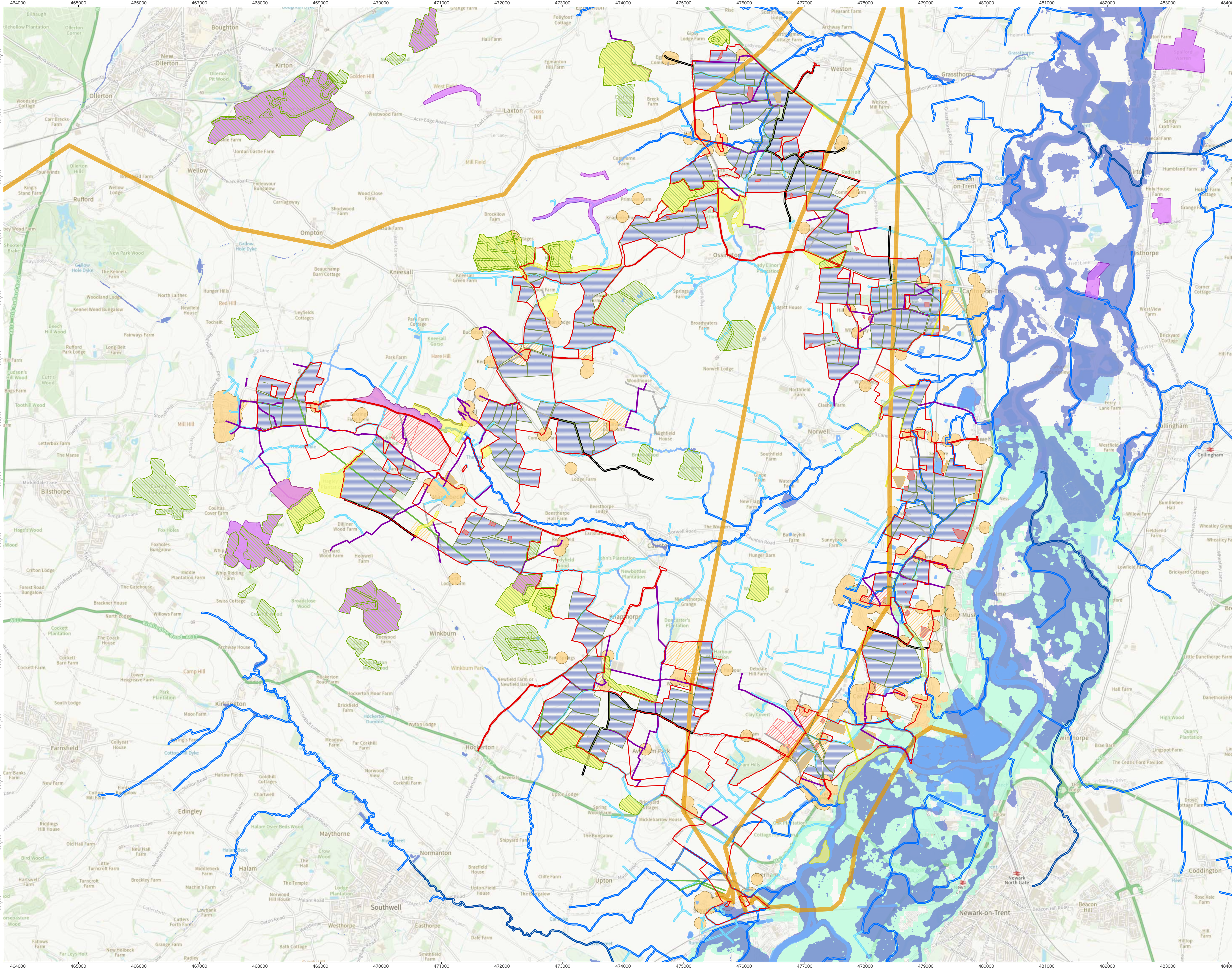
Revision number 1



























June 2025

Infrastructure Planning (Applications: Prescribed Forms and Procedure)
Regulations 2009, APFP Regulation 5(2)(q)



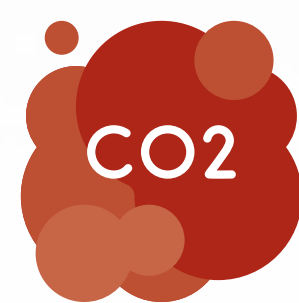




- 
-  Order Limits
 -  Potential Development Area for Solar
 -  15 m buffer of Ancient Woodland Inventory
 -  15 m buffer of SSSI
 -  15 m buffer of Local Wildlife Site
 -  5 m buffer of Solar Field edges
 -  10 m buffer of Bridleway
 -  5 m buffer of Public Rights of Way
 -  30.6m buffer of Transmission OHL
 -  3.6 m buffer of 132 kV OHL
 -  11 m buffer 33 kV OHL
 -  8 m buffer of 11 kV OHL
 -  10m buffer of Non-TVIDB maintained watercourse
 -  10m buffer of TVIDB maintained watercourse
 -  10m buffer of TVIDB EA Board maintained watercourse
 -  10 m buffer of Waterbodies
 -  Flood Areas greater than 1 m (EA)
 -  Flood Areas gtr 0.7m CC
 -  Landscape Scoping Design Review
 -  Amber
 -  Red
 -  100 m buffer of Residential Receptors (String Inverter)
 -  Geophysics Constraints
 -  Constraint to factor in
 -  Recommend area removal

The benefits of Great North Road Solar Park

If approved and constructed, GNR Solar Park could make significant impacts on national and local priorities and initiatives.



Contributing to national and local climate targets

The UK has set ambitious and legally binding targets to eliminate carbon emissions by 2050. Large scale solar development is recognised as having an important role to play in helping achieve this target.

The British Energy Security Strategy, published in April 2022, aims to increase the UK's solar capacity fivefold by 2035, equivalent to around 70GW total generation capacity. With an installed capacity of over one gigawatt (GW) DC, GNR Solar Park would contribute 1.5 per cent towards this target.

Subject to being consented and becoming operational, GNR Solar Park would make a significant contribution towards achieving this goal: generating clean, affordable, electricity that would annually avoid around 250,000 tonnes of carbon emissions from entering our atmosphere.



Supporting the local community

Subject to consent being granted, Great North Road Solar Park would offer a community benefit package – known as NG+, which has the potential to make available around £1 million per annum. With this fund, NG+ will support and deliver projects to benefit the local community with a focus on the environment, education, food security, wellbeing, and energy efficiency.

We are committed to working with local communities to identify and define community benefits. This could include:

- Supporting projects to enhance woodlands, meadows, wetlands and hedgerows to promote biodiversity
- Creating local jobs in the Midlands and Lincolnshire
- Providing educational opportunities such as school visits, research funding and apprenticeships
- Enhancing local amenities and creating healthier spaces, such as picnic and play areas and linking new and existing footpaths
- Tackling food poverty and reducing food waste
- Offering grants for energy-related home improvements such as insulation, solar panels and heat pumps.



Helping reduce household bills and providing energy security

The price of solar panels has dropped significantly over recent years, making solar power the most cost-effective source of energy to produce. The transition to renewable forms of energy, therefore, can help the UK to become more energy self-sufficient, while also reducing household energy bills for years to come.

Solar parks such as the proposed Great North Road Solar Park advance energy efficiency, providing clean, renewable, and sustainable electricity to communities, and NG+ wants to take this further.

We will be offering grants for energy-related home improvements such as insulation, solar panels, LED lighting, EPC provision, and heat pumps. We are also keen to support innovation in this area by providing funding for green startup businesses. We will also offer business grants for related measures, with the aim to support local employment.



Protecting the local environment

Solar farms can deliver significant benefits for the local environment and support a range of ecosystem services, such as generating new habitats, supporting sustainable agriculture, and reducing carbon emissions.

While we have not yet reached a stage of having an exact estimate of the biodiversity net gain for GNR Solar Park, our ambition is to exceed this baseline requirement. The proposals we develop will set aside areas for environmental enhancements that will create new or enhance existing habitats. These could include establishing wildflower meadows to provide habitats for pollinators and birds, promoting wetland habitats that support aquatic life, and new planting to preserve, restore and deliver new hedgerows and native species.

We are keen to hear from you regarding any suggestions and ideas you might have to enhance the natural environment.



Our consultation process

Great North Road Solar Park is classified as a Nationally Significant Infrastructure Project (NSIP) because it would generate more than 50 megawatts (MW) of electricity.

The 2008 Planning Act defines the consent regime for a NSIP. This means that we will be applying for a Development Consent Order (DCO) through the Planning Inspectorate (PINS). The application will be determined by the Secretary of State for the Department of Energy Security and Net Zero (DESNZ).

A DCO application is planned to be submitted in Spring 2025. Prior to this, we will be engaging with local communities and consulting on and refining our proposals across two stages of consultation, including:

- The first phase of consultation now underway is non-statutory. While not formally required, it is intended to give local communities a real opportunity to influence the proposed development from an early stage to gain a better understanding of what we are proposing and its potential impacts.
- During the second, statutory phase of consultation, we will provide more information on the developing proposals which have been informed by the first phase of consultation and environmental assessments. We expect to conduct this consultation in Autumn 2024.

Ahead of our Stage Two consultation, we will consult with relevant local planning authorities to invite their views on the approach we intend to take to engage with and obtain feedback from local communities on our detailed proposals for GNR Solar Park. This will be set out in our Statement of Community Consultation (SoCC) which will be published just ahead of the second stage of consultation.

We are committed to working with local communities throughout the development of the project, and beyond, should the project be granted consent. We are keen to hear your feedback to shape a strong set of proposals.

Community consultation forms an important part of the pre-application process for NSIPs. Early and ongoing engagement will influence the evolving design of GNR Solar Park. Local councils, residents and community groups all have an important part to play.



Jobs creation

- + Operating the plant will bring c60 high quality jobs to the area.
- + These jobs will be required for the full lifetime of the plant.
- + Managing the land needs as many staff as currently employed in agriculture.
 - 3x grass cuts, 1x cleaning
 - Hedges, drainage, swales as now

Job Role

Number

Technicians

33

Senior Technicians / HV SAPs

5

Managers

3

General Managers

1

Administrators

2

Schedulers

4

Finance

1

H&S

1

Spares Managers

3

Performance Engineers

4

TOTAL FULL TIME JOBS

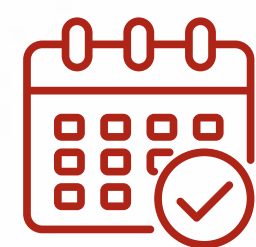
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Have your say

Our Stage One consultation on our early-stage proposals will begin on **16 January 2024**.

The aim of this consultation is to introduce Elements Green and the overall project, share our early-stage proposals and give you the opportunity to have your say and share your views. We value local knowledge, and we are confident that this consultation will result in a strong set of proposals that respect the concerns of local communities while generating clean, renewable energy. We will acknowledge and record all the comments submitted to us during consultation taking them into consideration to help inform our decisions as we evolve and finalise our proposals. Learn more about our proposals and provide your feedback to our Stage One consultation in the following ways:



Join us at our exhibition events and webinars

We are holding a series of information events across the site area where you can view materials, ask questions to the project team, and provide your feedback.



Visit our project website

Our dedicated website (www.gnrsolarpark.co.uk) provides the latest project information, including relevant documents and answers to frequently asked questions (FAQs). You can view and download all consultation materials and complete an online feedback form via our website.



Contact us via our communication lines

Email: info@gnrsolarpark.co.uk

Call: Freephone 0808 1754054

Write: FREEPOST GNR SOLAR

The deadline to submit feedback during this first phase of consultation is **Tuesday 27 February 2024**.





An annual £1M community support scheme

NG+ is a community support scheme linked to the proposed Great North Road Solar Park in Newark.

Our mission is to deliver a brighter future through our annual one-million-pound fund.

With this fund, NG+ will support and deliver projects to benefit the local community with a focus on the environment, education, food security, wellbeing, and energy efficiency.





Local Environment

neighbourhood goals

Biodiversity enhancements and job creation are important for enriching the local environment and revitalising neighbourhoods.

We will be collaborating with local farmers and environmental experts to improve soil quality, ensure species protection and foster ecological balance, as well as bringing training, apprenticeships, and employment to the area.

Enriching the soil around the solar park, establishing wildlife corridors, and promoting beekeeping.



NG+ will actively support projects to enhance woodlands, meadows, wetlands, and hedgerows.



Bringing jobs to the area for local people in collaboration with installers in the Midlands and Lincolnshire.



Education

nurtured growth

We will be collaborating with local educational organisations in a number of ways.

From research funding, and the creation of a solar trial site, to school activity days, apprenticeships, and a student bursary scheme, we have big plans to keep talented people in the local area.

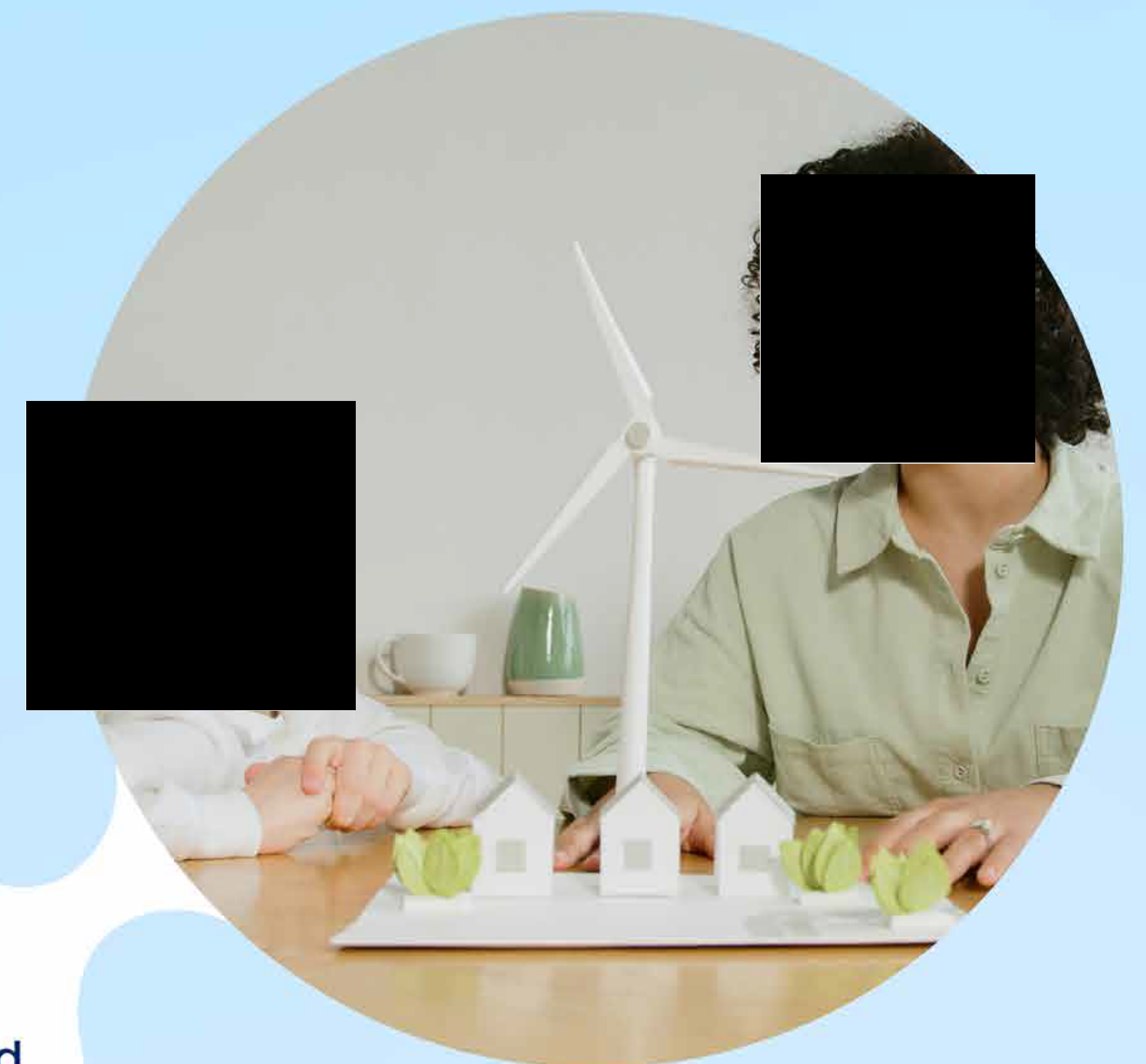
Providing traineeships and apprenticeships to re-skill the local workforce, which will aid the local economy.



Creation of a solar trial site for universities, sponsoring higher education programmes and a student bursary scheme.



School visits and activity days.



Wellbeing

natural glow

We all need to look after our mental health, taking time away from screens to get out in nature.

Study after study shows that being outdoors is good for everybody, whether young or old.

We want to hear how we can enhance your local amenities, so that you can make the most of your outdoor space.

Adding
mountain
bike trails



Creating
new picnic
and play
areas



Creating
and linking
new and
existing
footpaths





Flood alleviation

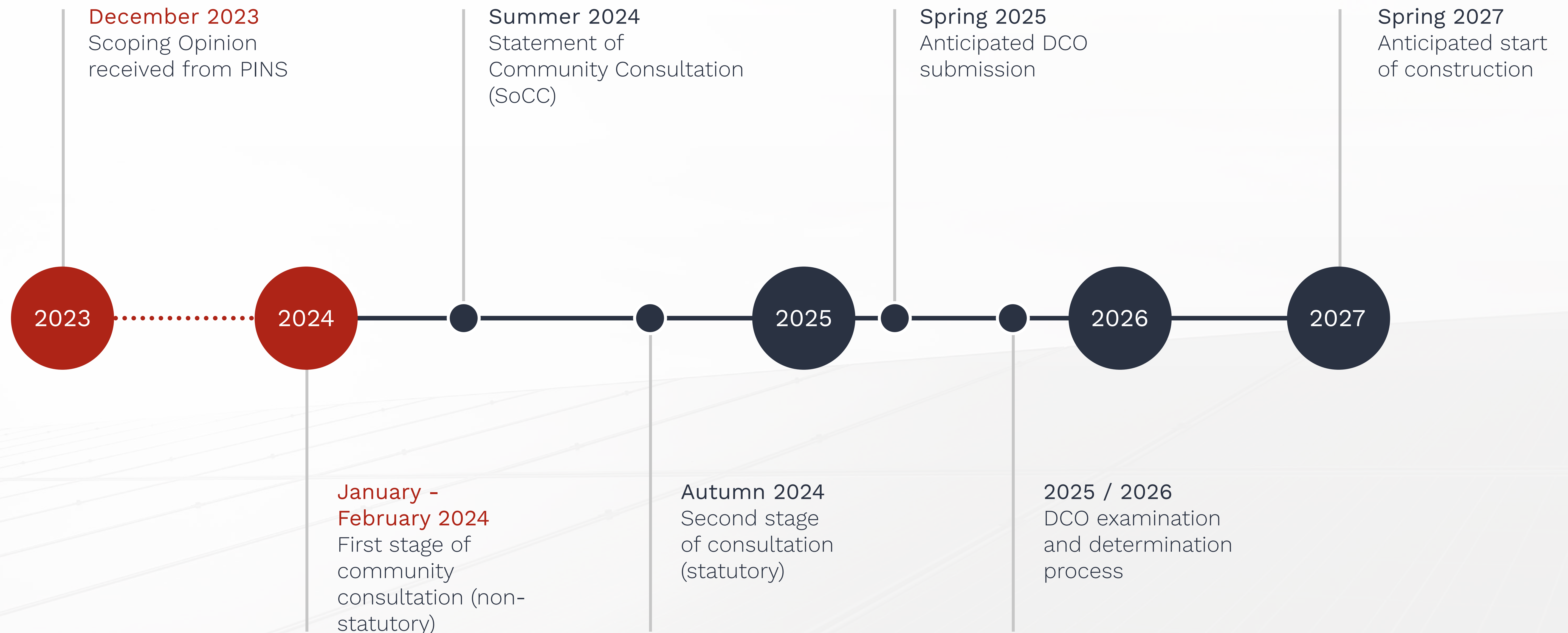
Existing flooding is a key issue for local communities and is something we are keen to address.

The change of land use within Great North Road Solar Park from arable land to year-round grassland beneath the panels is expected to have a net positive impact on existing flooding issues, by increasing infiltration, providing soil stability and vegetation, and slowing down surface water flows.

In addition, we will put in place targeted, nature based solutions to manage and slow down water to help further alleviate existing flooding issues.



Indicative project timeline



**Please note this timeline is indicative and may be subject to change*

6 PHASE ONE CONSULTATION POSTER

Great North Road Solar Park

Community consultation – 16 January to 27 February 2024



Elements Green is introducing plans for Great North Road Solar Park, with a potential generation capacity of around 800 megawatts (MW) AC of solar energy, the scheme has the potential to meet the power needs of circa 400,000 homes, equivalent to 100 per cent of the homes in Nottinghamshire.

You are invited to take part and provide your feedback on the project during our first phase of community consultation: **16 January – 27 February 2024.**

Information Events

Location

Community Webinar, Online

Eakring Cator Hall, Kirklington Road,
Eakring, NG22 0DA

Laxton Village Hall, High Street, Laxton,
Newark, NG22 0NX

Newark Town Hall, Newark,
Nottinghamshire, NG24 1DU

Community Webinar, Online

Carlton on Trent Village Hall, Main Street,
Carlton on Trent, Newark, NG23 6NW

Maplebeck Village Hall, Main Street,
Maplebeck, Newark, NG22 0BS

Kelham House Country Manor, Main Street,
Kelham, Newark, NG23 5QP

Date and time

Monday 29 January
5:30pm – 7pm

Tuesday 30 January
12pm – 6pm

Wednesday 31 January
2pm – 6pm

Thursday 01 February
12pm – 6pm

Monday 05 February
5:30pm – 7pm

Thursday 08 February
2pm – 6pm

Friday 09 February
2pm – 8pm

Saturday 10 February
12pm – 5pm

Details on how to access our Community Webinar can be found on our website:
www.gnrsolarpark.co.uk.

Have Your Say

We want to hear your feedback on our early proposals to help inform and influence the final designs. You can submit a feedback form at any of the information events, online by visiting our website, or by email or freepost at the address below.

The deadline to submit feedback is **27 February 2024.**

Get in Touch

 **Visit:** www.GNRsolarpark.co.uk

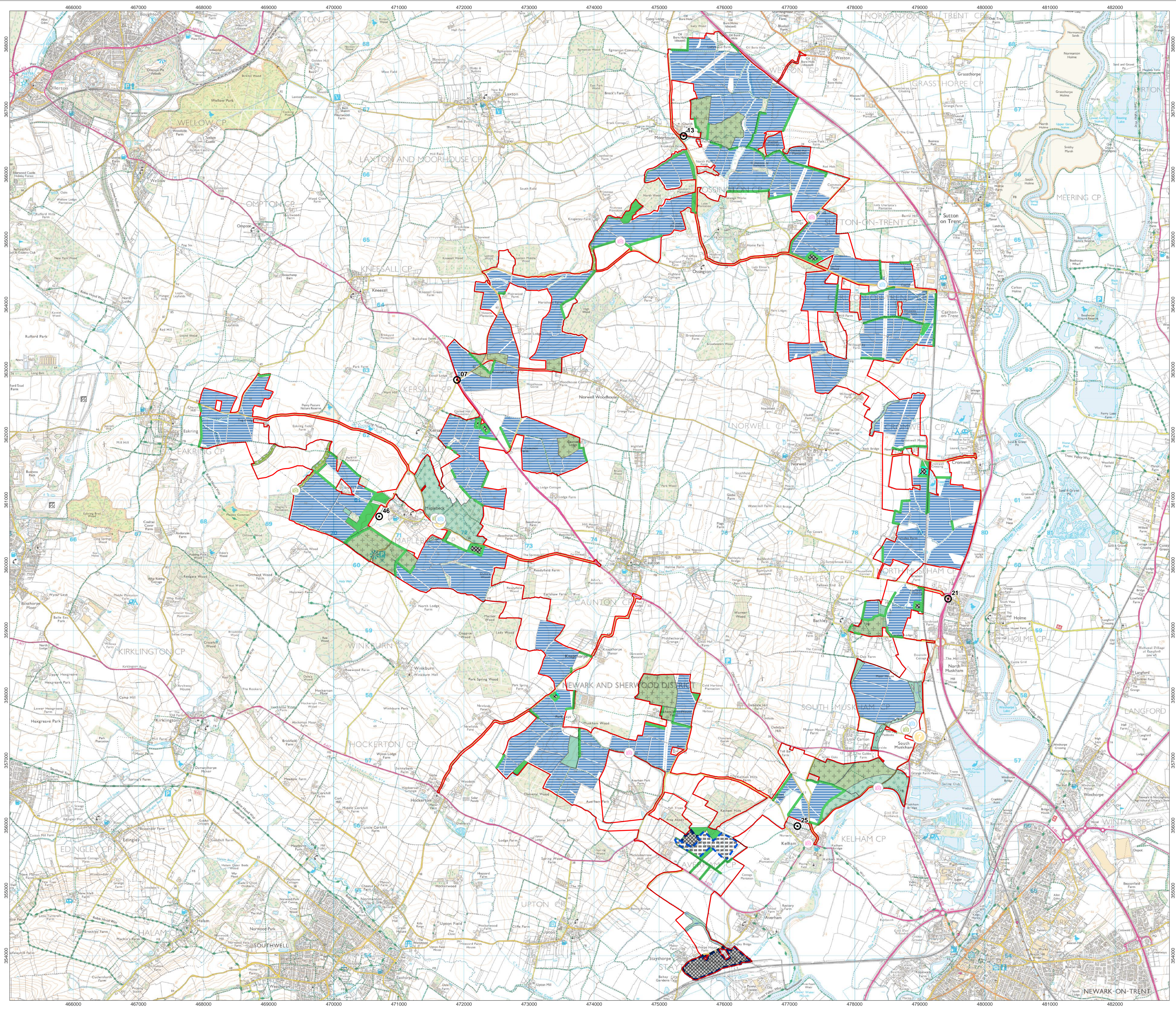
 **Call:** Freephone 0808 175 4054

 **Email:** info@gnrsolarpark.co.uk

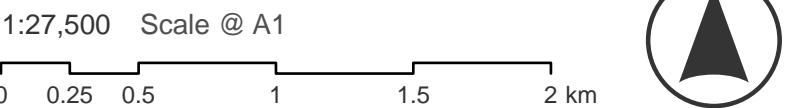
 **Write:** Freepost GNR Solar



7 PHASE ONE CONSULTATION MASTERPLAN



- Order Limits
- Proposed Solar Panel Areas (1) - typically offset approximately 10m from field boundaries
- Proposed 400kV Substation Areas (2)
- Proposed BESS Area (2)
- Proposed Substation Areas (2)
- Viewpoint Locations
- Landscape & Ecology**
 - Proposed Hedgerows and Broadleaf Woodland (5) (6)
 - Retained Agricultural Land - enhanced ecological management (7)
 - Proposed Permanent Grassland (8)
 - Proposed Green Corridor (9)
 - Proposed Riparian Corridor (9)
 - Proposed Wildlife Site (10)
- Visitor Interpretation**
 - Clean Energy Information (14)
 - Ecology/Landscape Information (14)
 - Heritage Information (14)
 - Solar Farm Visitor Hub (13)

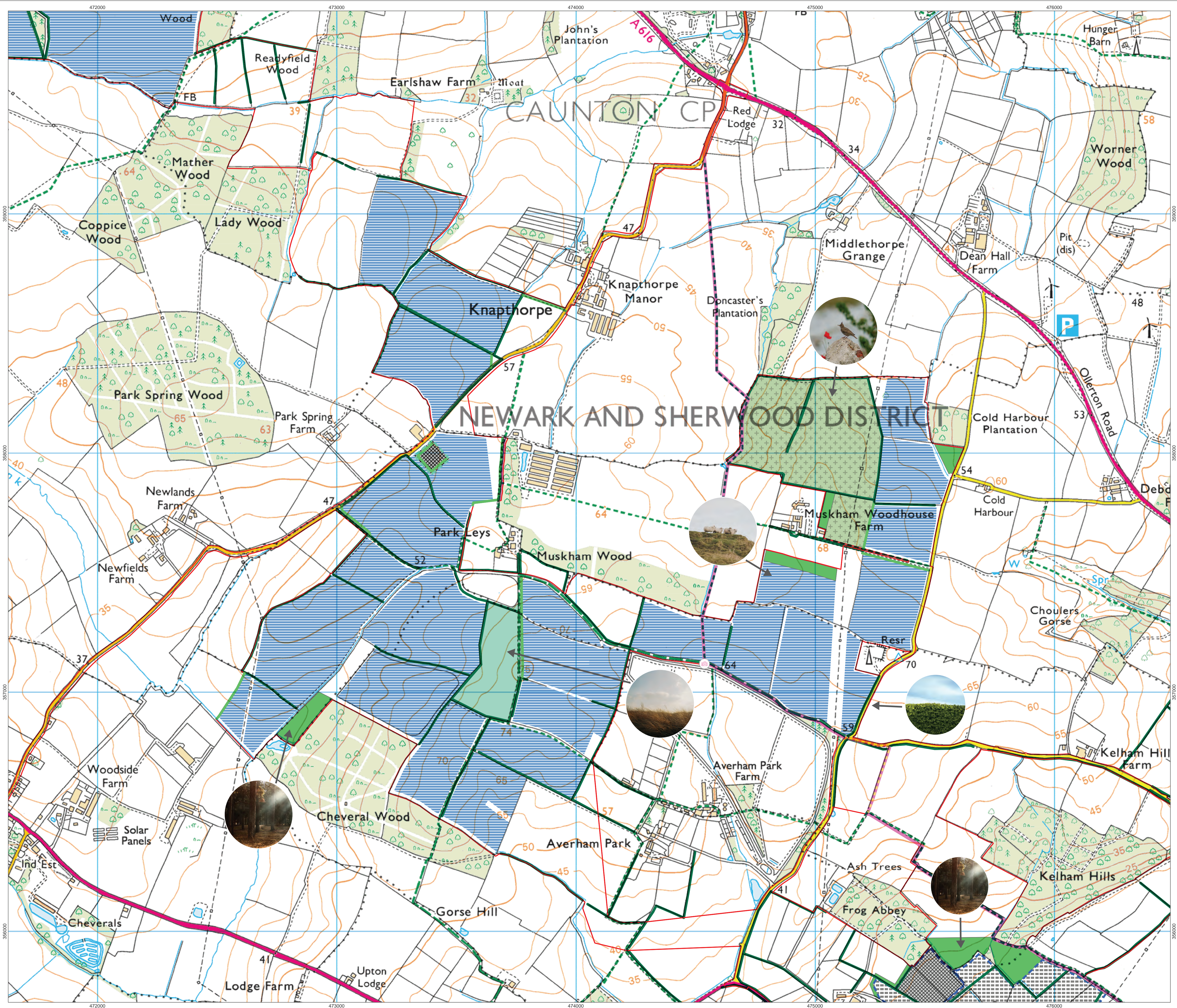


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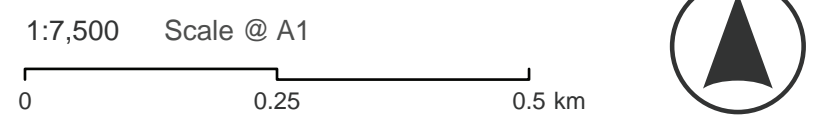
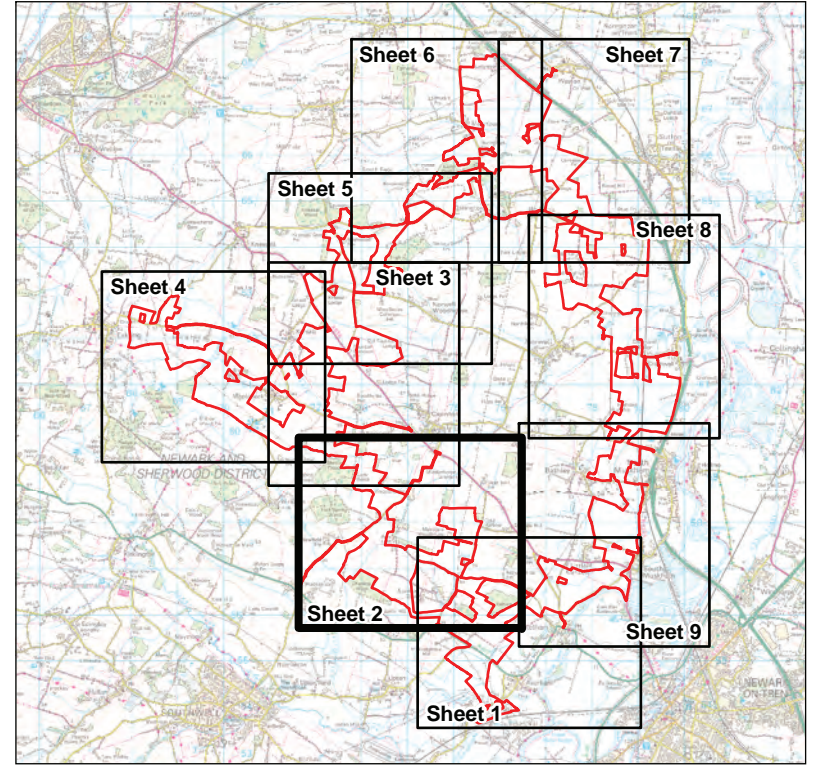
Preliminary Masterplan

Great North Road Solar Park

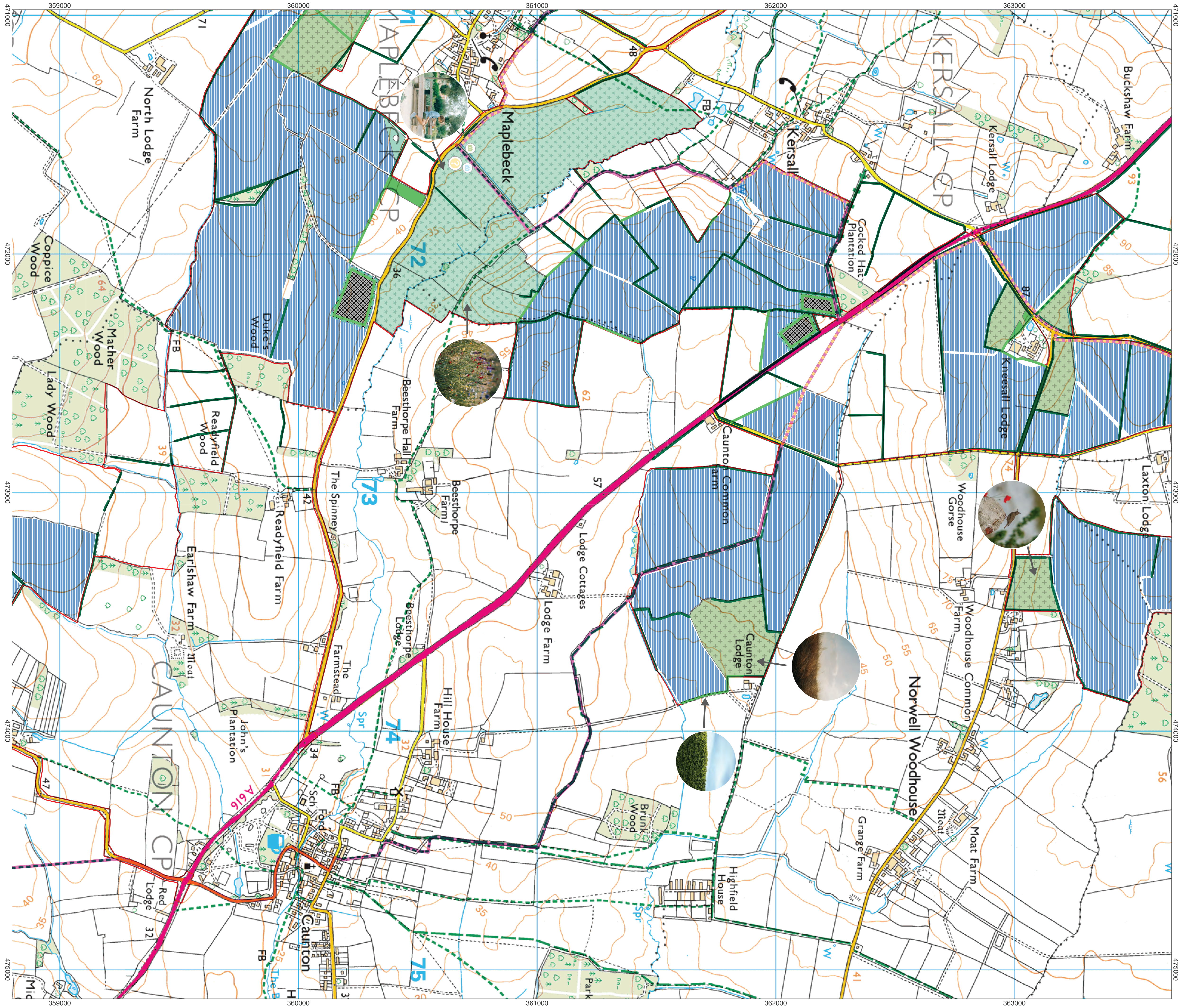
8 PHASE ONE CONSULTATION DETAILED MASTERPLAN SHEETS (SITES 1 TO 9)



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- Proposed Riparian Corridor (9)
- Proposed Wildlife Site (10)
- Access, Recreation & Interpretation**
- Proposed GNR Circular Long Distance Route (11)
- Proposed New Permissive Route (11)
- Proposed Public Right of Way Diversion (12)
- Proposed Public Right of Way Deletion (12)
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- Order Limits

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Proposed 400kV Substation Areas (2)

Proposed BESS Area (2)

Proposed Substation Areas (2)

Landscape & Ecology

Existing Hedgerows (4) (6)

Proposed Hedgerows and Broadleaf Woodland (5) (6)

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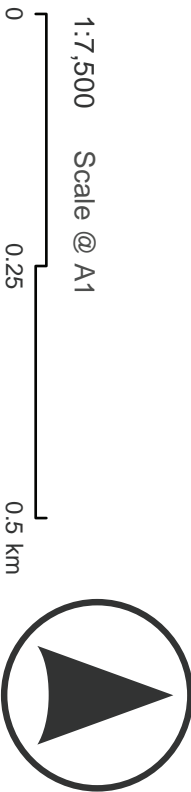
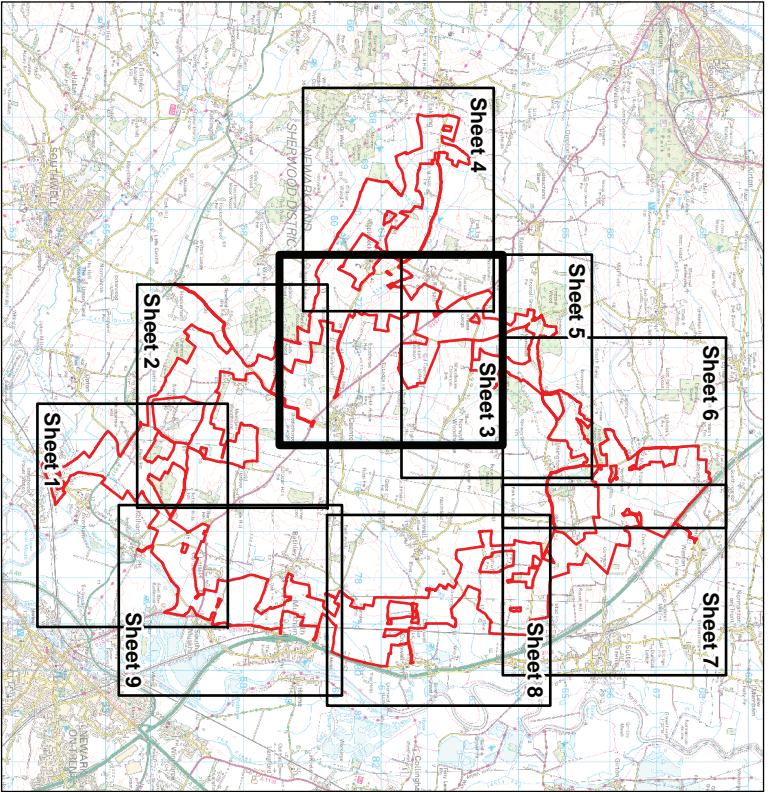
Solar Farm Visitor Hub (13)

Clean Energy Information (14)

Ecology/Landscape Information (14)

Heritage Information (14)

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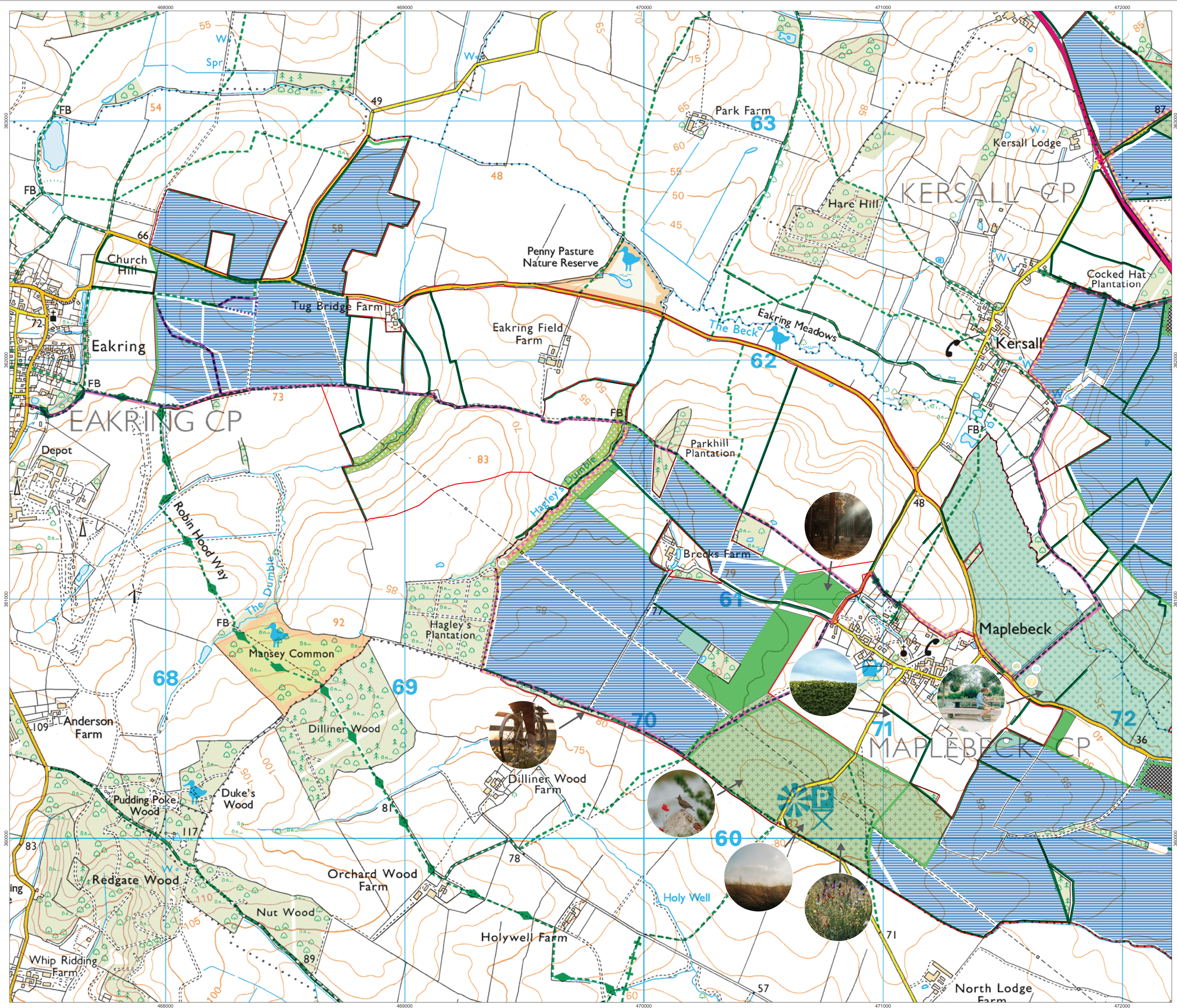


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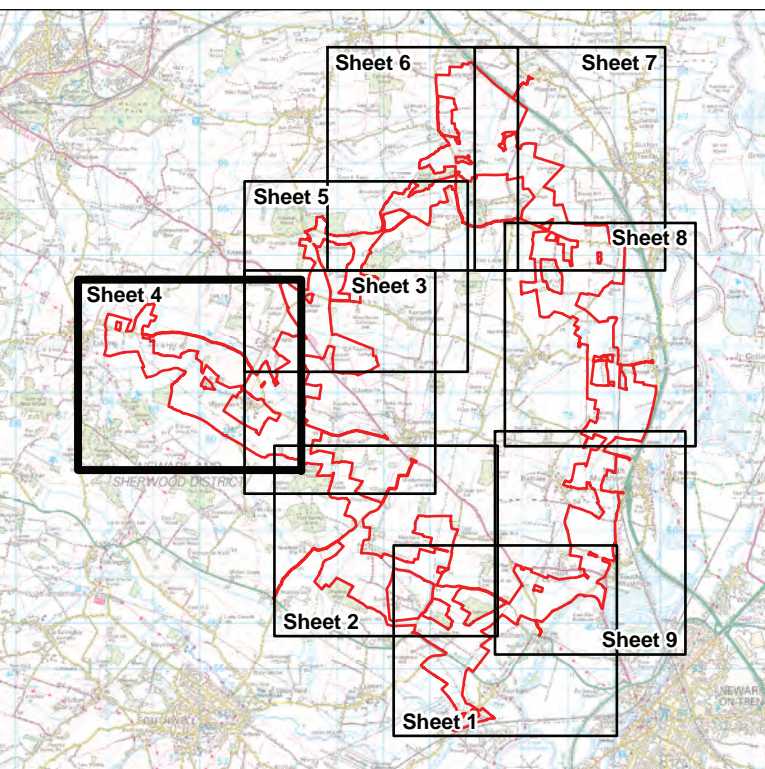


Preliminary Masterplan
Detail Sheet 3

Great North Road Solar Park



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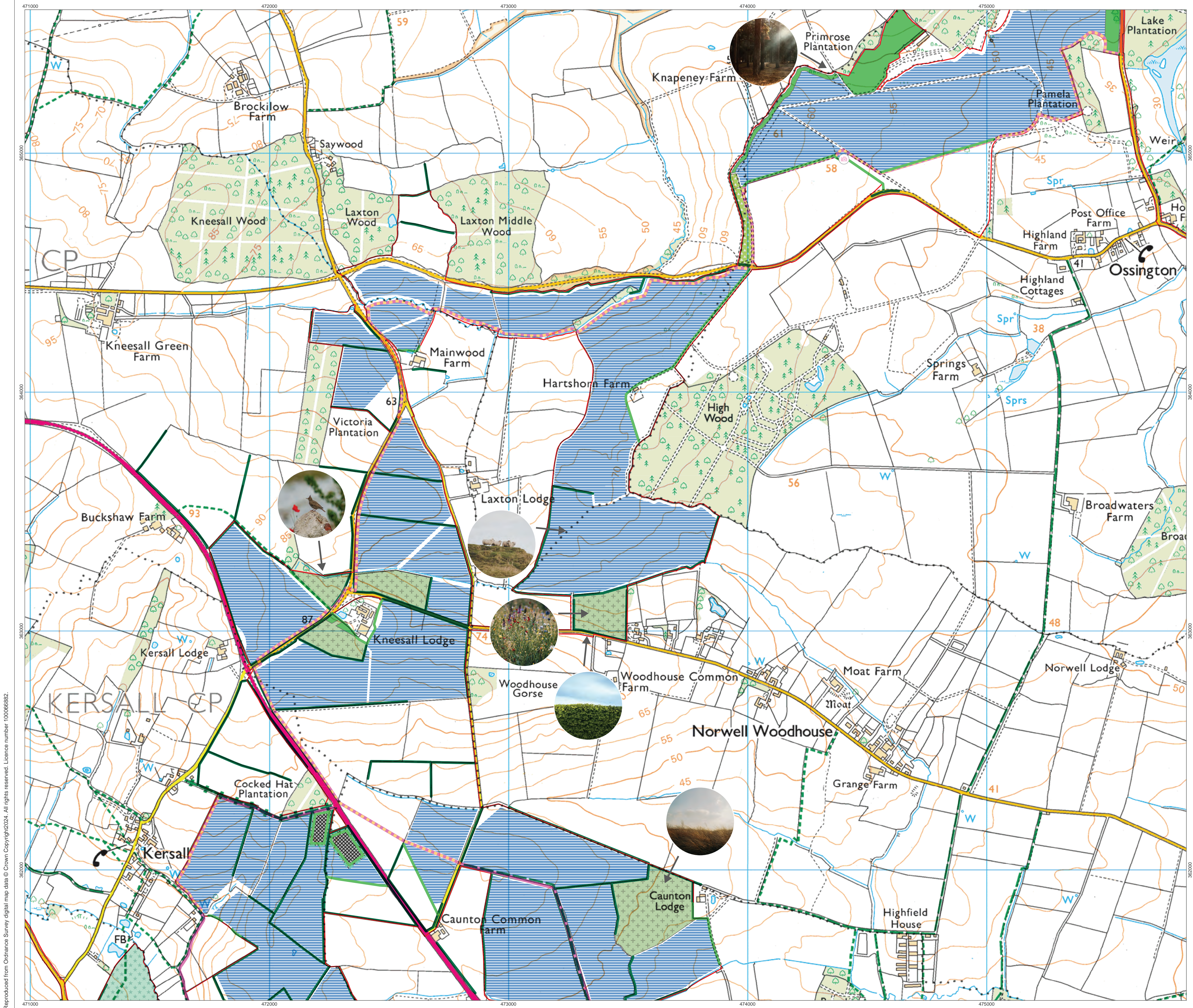


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0 0.25 0.5 km

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Preliminary Masterplan
Detail Sheet 4

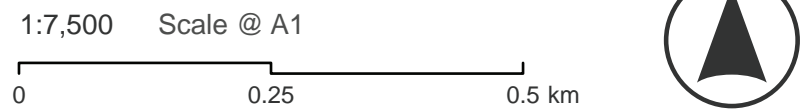
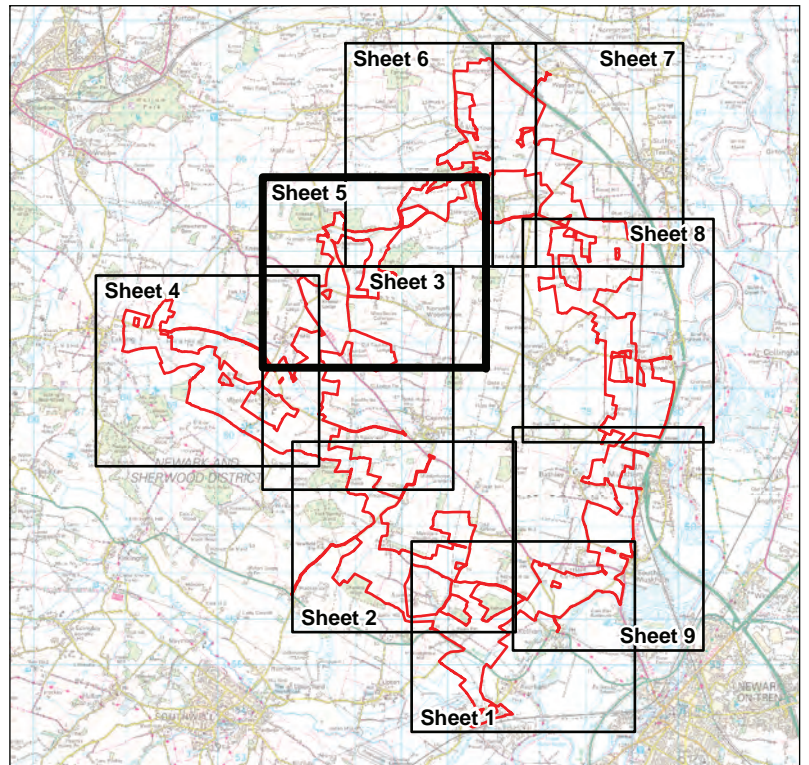
Great North Road Solar Park



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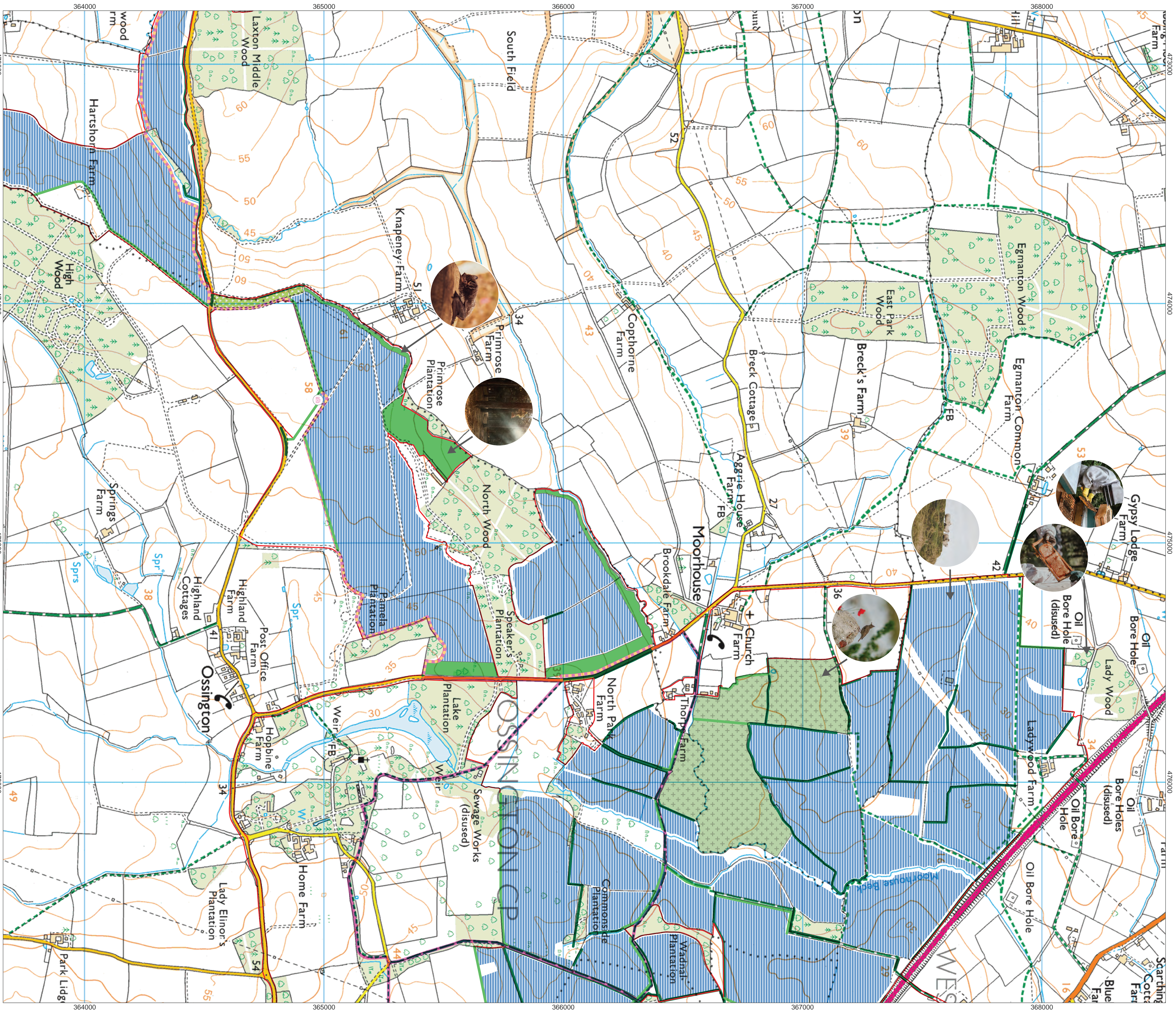
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- Heritage Information (14)



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Preliminary Masterplan
Detail Sheet 5

Great North Road Solar Park



- Order Limits

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Proposed 400kV Substation Areas (2)

Proposed BESS Area (2)

Proposed Substation Areas (2)

Landscape & Ecology

Existing Hedgerows (4) (6)

Proposed Hedgerows and Broadleaf Woodland (5) (6)

Related Agricultural Land - enhanced ecological management (7)

Proposed Permanent Grassland (8)

Proposed Green Corridor (9)

Proposed Riparian Corridor (9)

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Access, Recreation & Interpretation

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Proposed New Permissive Route (11)

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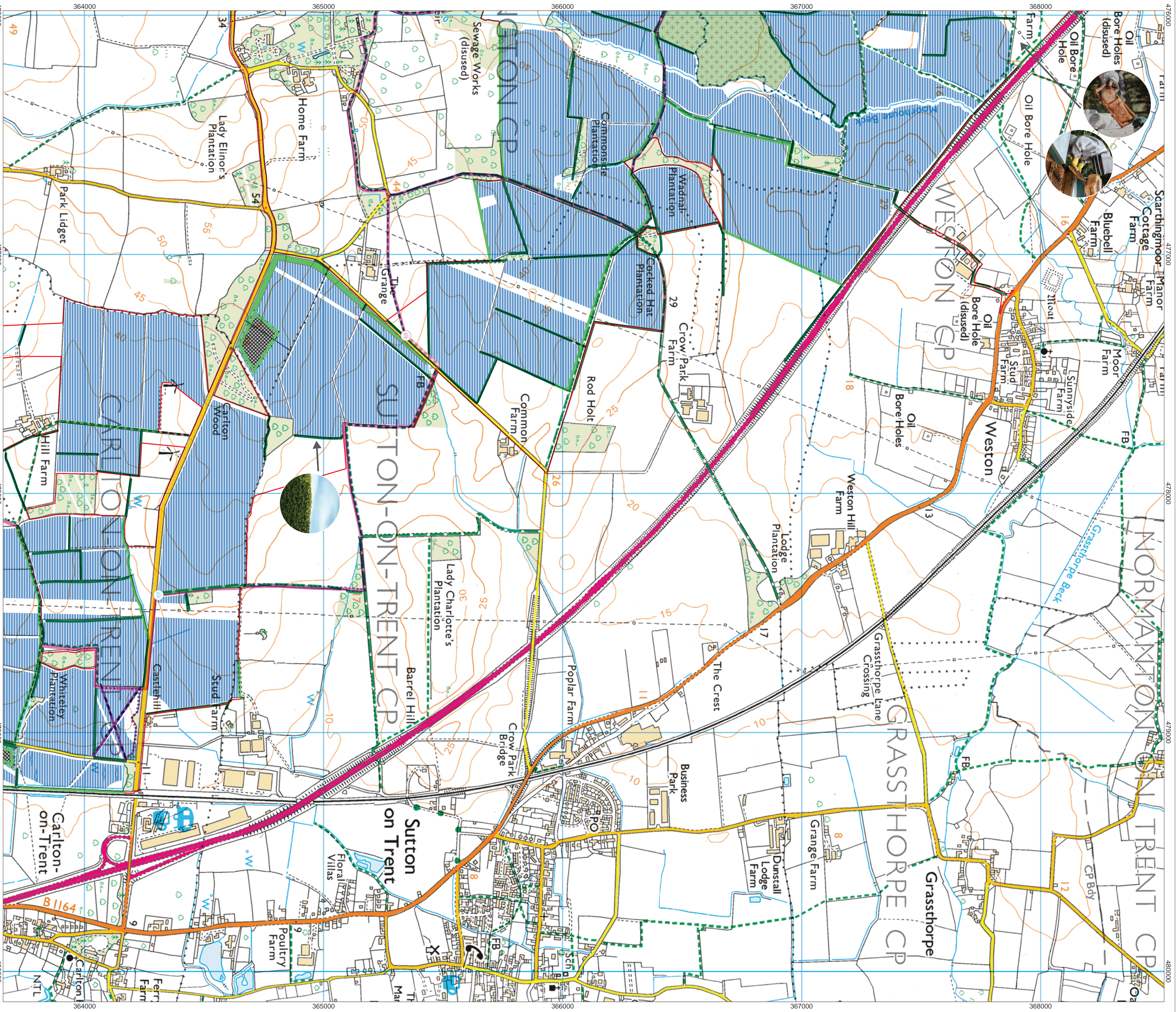
Proposed Public Right of Way Deletion (12)

Solar Farm Visitor Hub (13)

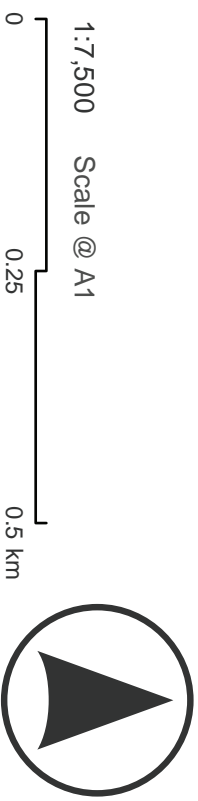
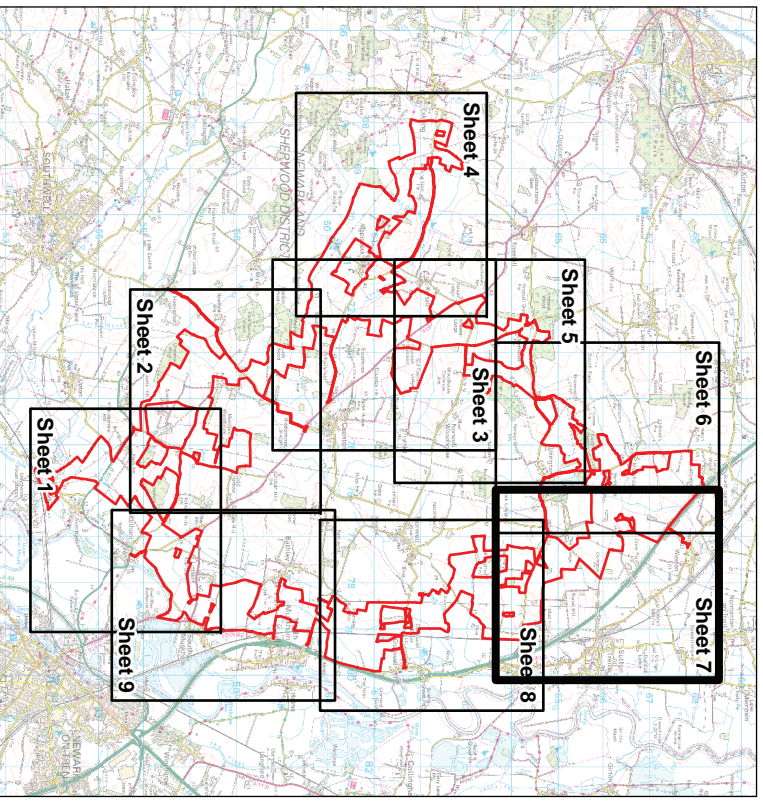
Clean Energy Information (14)

Ecology/Landscape Information (14)

Heritage Information (14)
- The inset map shows a larger regional context with a grid of sheets. The main map area is highlighted in red, indicating its location within the overall project area. The grid includes sheets labeled Sheet 1 through Sheet 9.
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- The scale bar indicates a scale of 1:7,500, with markings for 0, 0.25, and 0.5 km. The north arrow points towards the top of the page.
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- A stylized logo or graphic element consisting of a series of connected, flowing lines in a reddish-brown color, resembling a stylized 'G' or a wave.
- Preliminary Masterplan
Detail Sheet 6
- Great North Road Solar Park



- Order Limits
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Preliminary Masterplan
Detail Sheet 7

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