

## **Great North Road Solar and Biodiversity Park**


Phase One Consultation Materials - Part 4 of 5

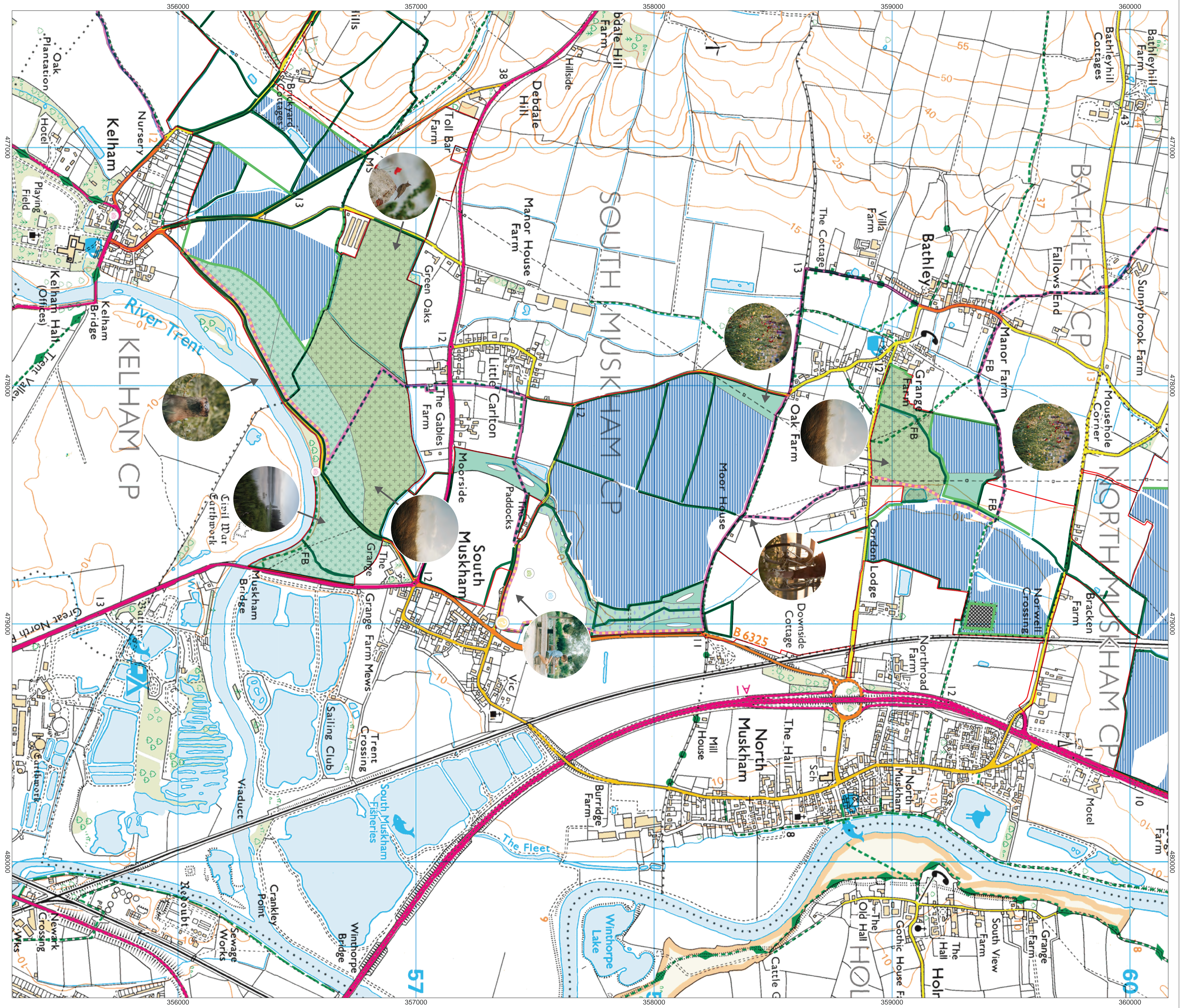
Document reference - EN010162/APP/5.1.3

Revision number 1

June 2025

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





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- 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)

Landscape & Ecology

Existing Hedgerows (4) (6)

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)

Access, Recreation & Interpretation

Proposed GNR Circular Long Distance Route (11)

Proposed New Permissive Route (11)

Proposed Public Right of Way Diversion (12)

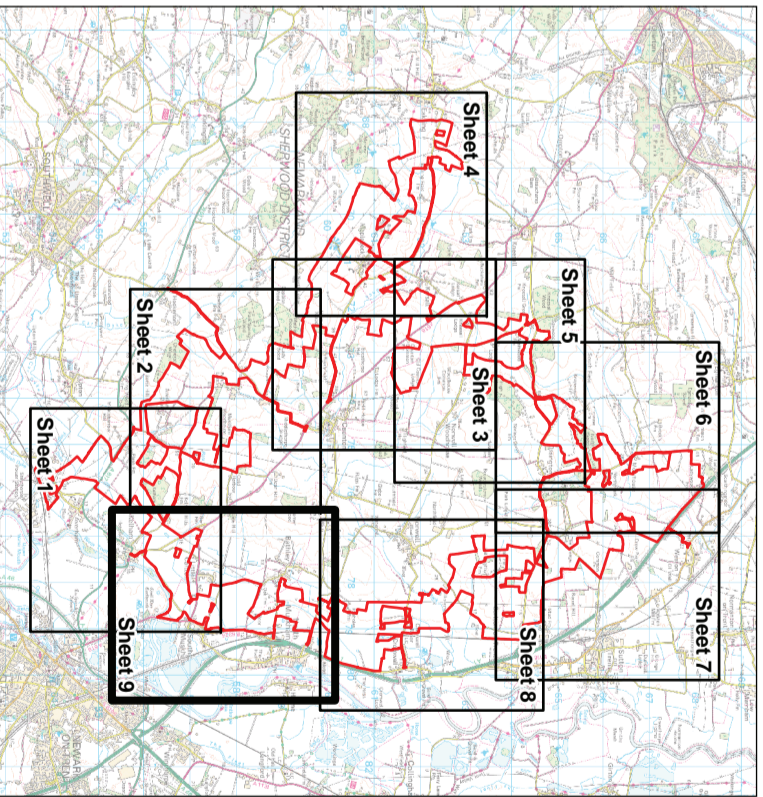
Proposed Public Right of Way Detention (12)

Solar Farm Visitor Hub (13)

Clean Energy Information (14)

Ecology/Landscape Information (14)

Heritage Information (14)



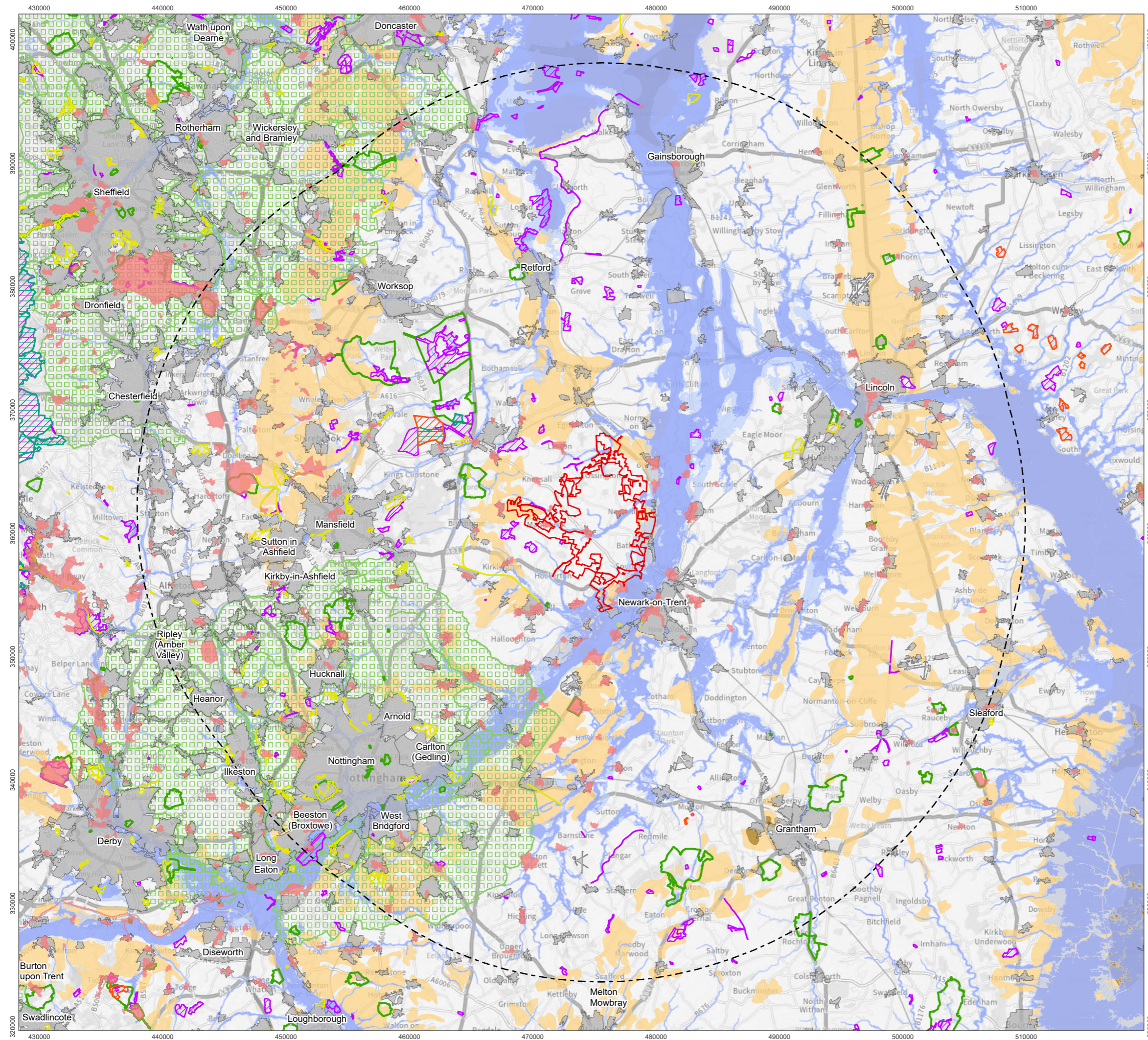
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Checked By:	Date: 15/01/2024



Preliminary Masterplan  
Detail Sheet 9

Great North Road Solar Park

## **9 PHASE ONE CONSULTATION ENVIRONMENTAL DESIGNATIONS**



- Order Limits
- 30 km buffer of Order Limits
- Settlements
- Conservation Area
- NNR
- LNR
- SAC
- SSSI
- Registered Parks and Gardens
- Green Belt
- ALC Grade 1 and 2 Land
- ALC Grade 1
- ALC Grade 2
- Flood Zone 2
- Flood Zone 3

1:300,000 Scale @ A3

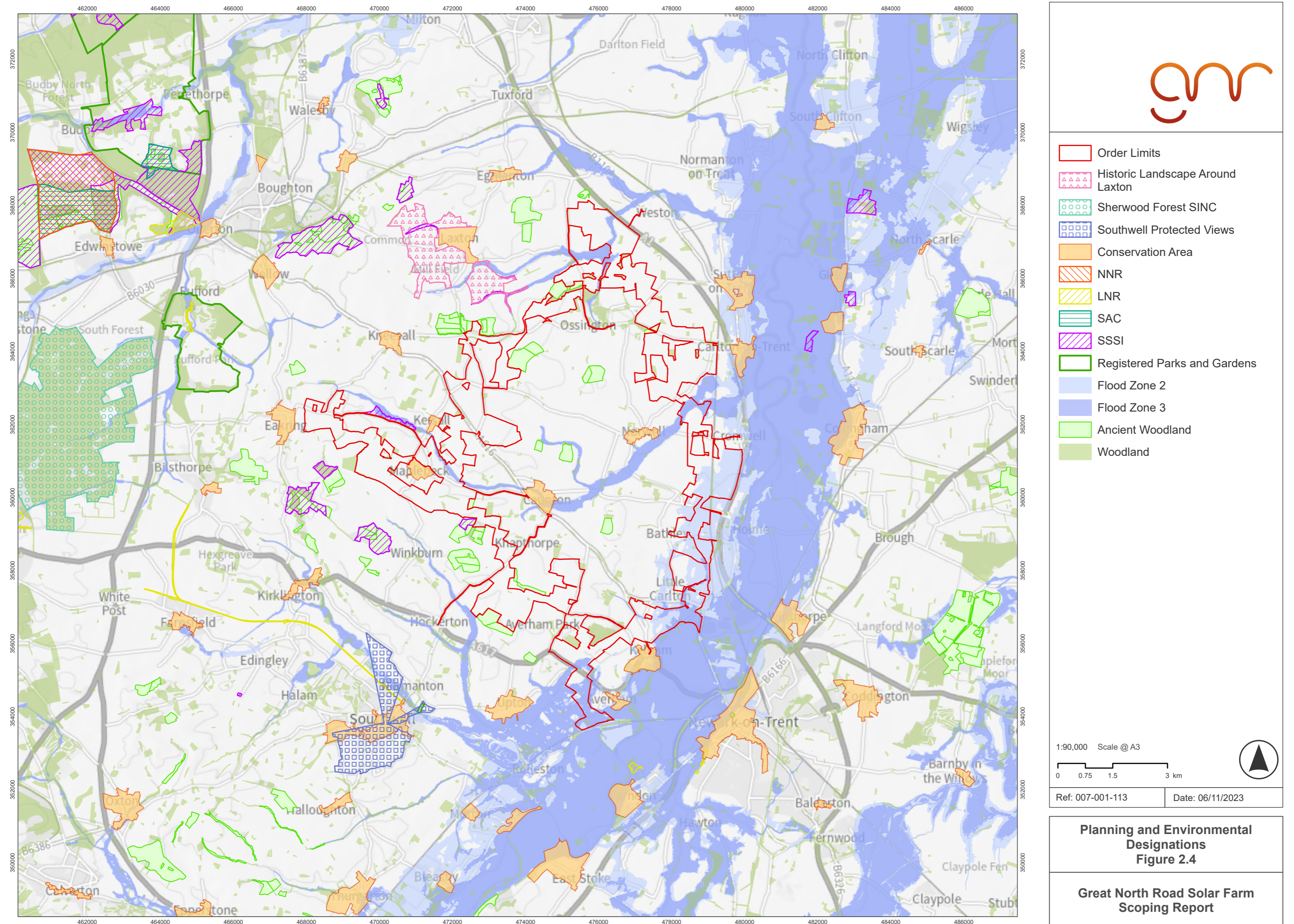
0 2.5 5 10 km

Ref: 007-001-112 Date: 02/11/2023

**Planning and Environmental Designations - 30 km**

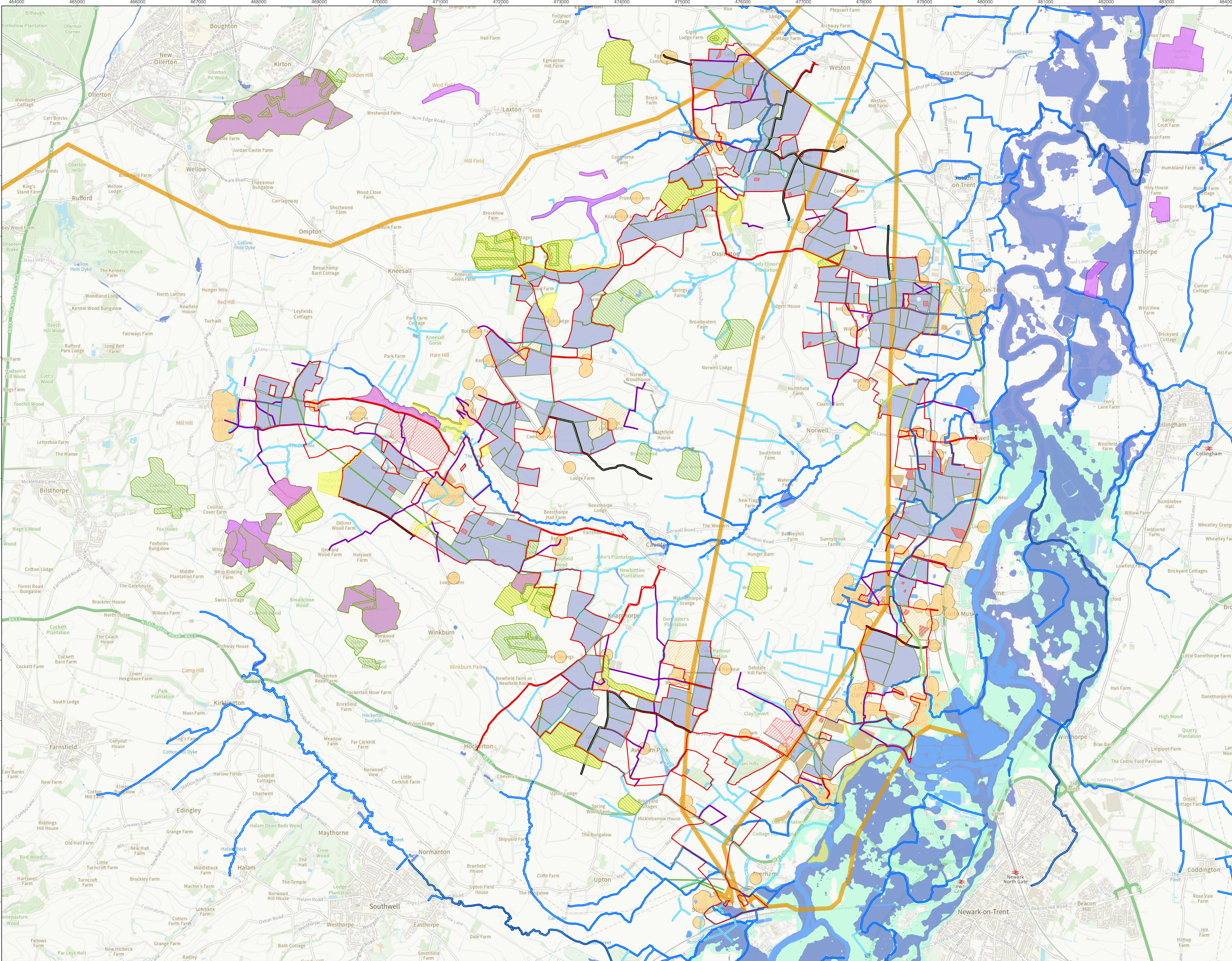
**Figure 2.3**

**Great North Road Solar Farm Scoping Report**



## **10 PHASE ONE CONSULTATION CONSTRAINTS MAP**

- 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



# **11 PHASE ONE CONSULTATION COMMUNITY WEBINAR SLIDES**



# Great North Road Solar Park

Phase One Consultation Community Webinar

Monday 29<sup>th</sup> January, 5:30pm – 7pm

The webinar will begin shortly.

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# Welcome

**Thank you for joining us.**

There will be a short introductory presentation on the proposals for Great North Road Solar Park and our Phase One Community Consultation. Please note the full suite of exhibition boards are on our website, including 9 detailed sections of our Preliminary Masterplan.

This will be followed by a question and answer (Q&A) session. Please post your questions either during or after the presentation in the Q&A box at the bottom of your screen.

We will try to answer as many questions as possible before the webinar ends. Please send any further or unanswered questions to our project information lines.

This session will finish at 7pm.



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# Agenda

- 1) **Introduction:** who we are and where we are now
- 2) **Great North Road Solar Park:** an overview of the proposals
- 3) **The benefits of GNR Solar Park:** how we are developing our community support scheme known as NG+
- 4) **Our consultation process:** how we are undertaking our current phase of non-statutory consultation
- 5) **Q&A:** submitted questions will be answered by members of the project team



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## Who we are

- The proposals for Great North Road Solar Park are being developed by Elements Green, who has a proven track record in renewable energy development, with 7 gigawatts (GW) of renewable energy development projects globally.
- We are committed to powering the world's future energy needs. Using our deep understanding of the renewables sector, we are delivering innovative and sustainable solutions for global energy security and the needs of a rapidly evolving world.



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## Where we are now

Elements Green is developing proposals for a new solar and energy storage park located to the northwest of Newark-on-Trent, Nottinghamshire.

Great North Road (GNR) Solar Park would deliver around 800 megawatts (MW) AC / 1.12 GW (DC) of clean, affordable energy to the National Grid.

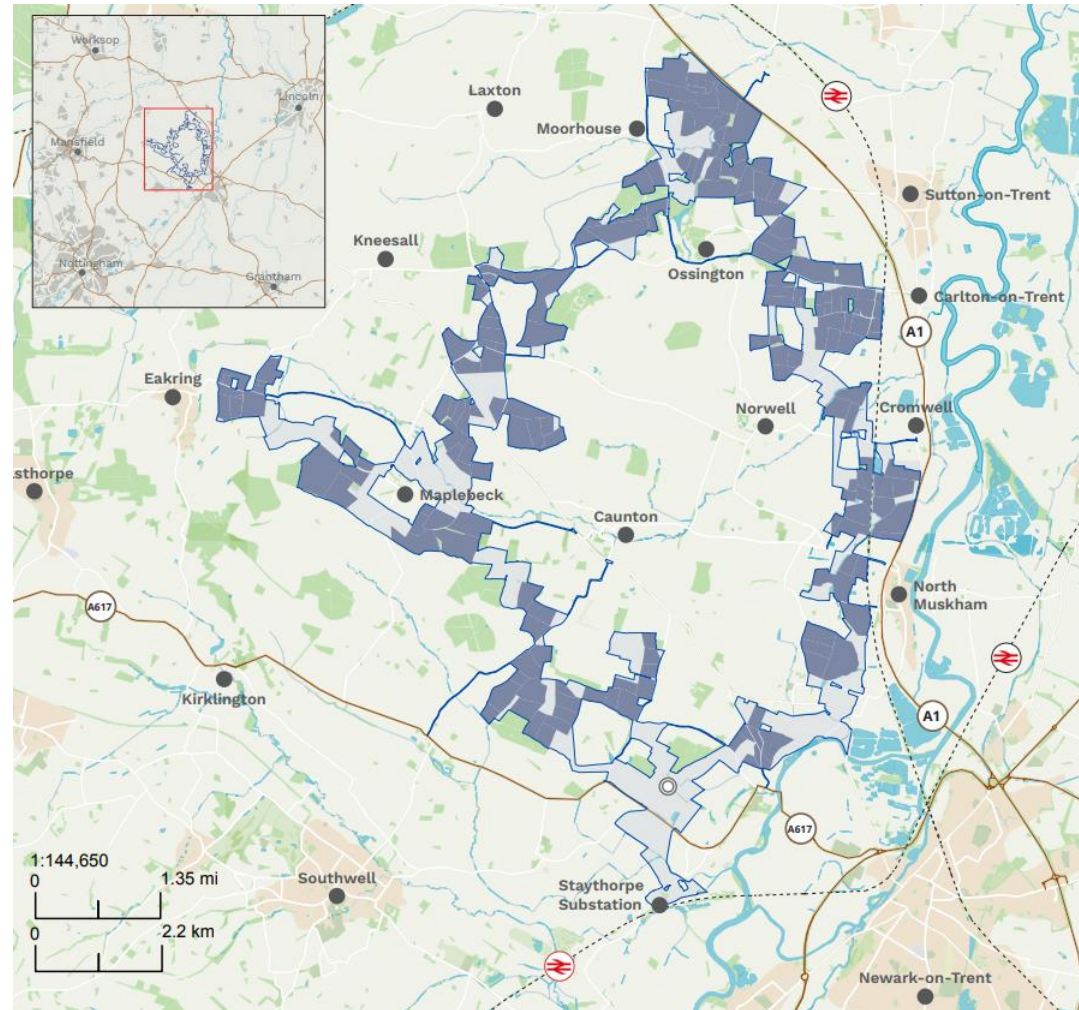
Our Stage One consultation launched on **Tuesday 16th January 2024**. It will run for six weeks, closing on **Tuesday 27th February 2024**.

Further to developing more detailed proposals for the project, we will then carry out a second stage of consultation. This will be a statutory stage of consultation which is intended to give you the opportunity to comment on our updated proposals and how they have evolved since the initial consultation.



# Great North Road Solar Park

- GNR Solar Park would comprise the installation of:
  - solar photovoltaic (PV) panels;
  - on-site energy storage facility; and
  - infrastructure needed to connect to Staythorpe substation.
- The boundary comprises approximately 2,900 hectares of agricultural land to the northwest of Newark.
  - Solar PV area is currently 1,600 hectares.
  - The remaining area is designated for enhancement, cables and access.



## Key

- Proposed solar areas
- Cable, access and potential enhancement areas
- ⊙ Battery Energy Storage System
- Railway
- Road

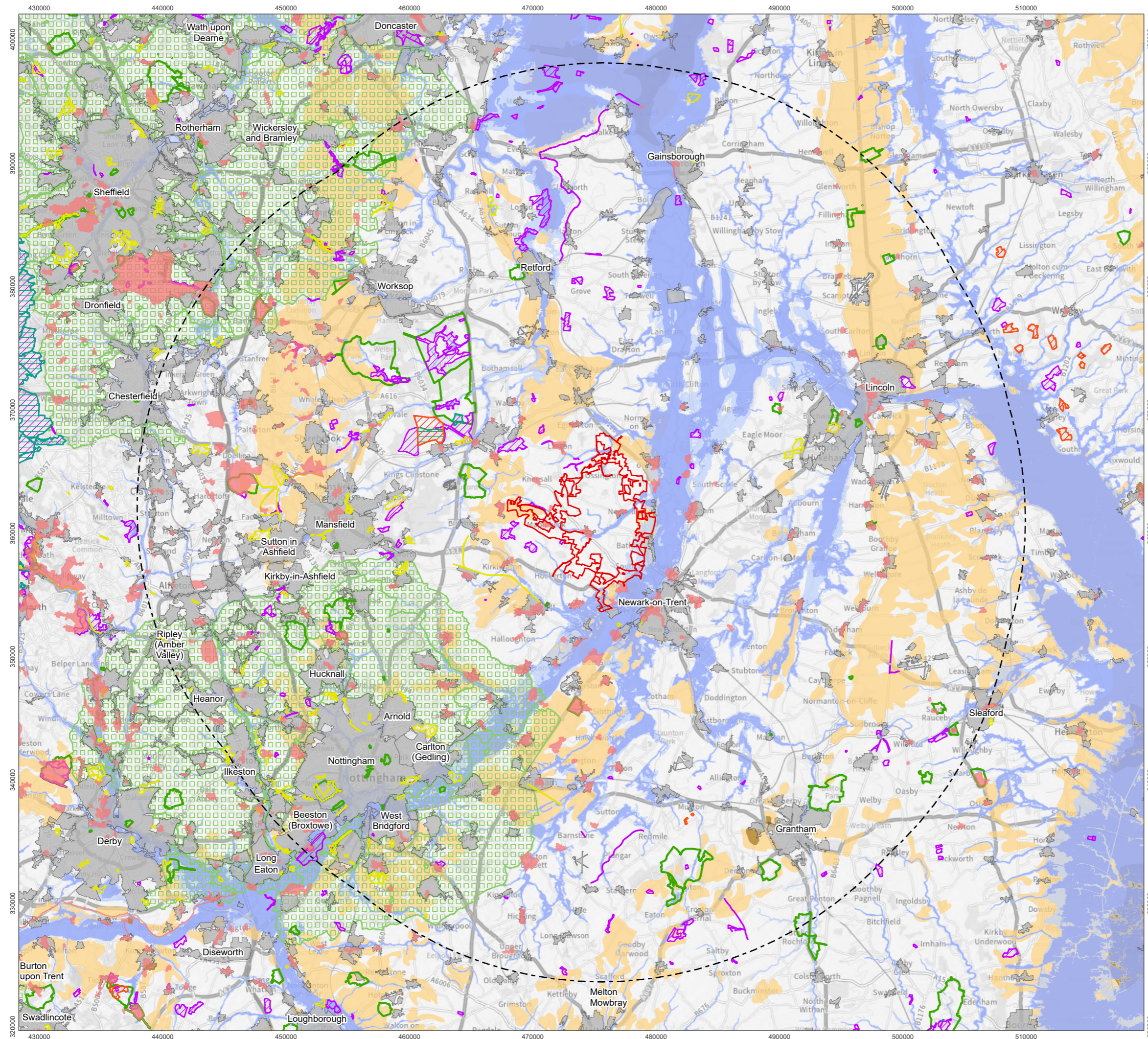


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## Why here?

- A key factor influencing the location of GNR Solar Park is the availability of a connection at National Grid's Staythorpe substation due to decommissioning of coal-fired power stations in the area.
- We have also considered a range of environmental and planning factors when evaluating the land including:
  - Existing use and quality of land
  - Designations and constraints
- We have undertaken environmental assessments to inform the selection of the site to avoid:
  - Heritage landscape
  - Flood risk zones
  - Higher grades of land
  - Adverse topography





- Order Limits
- 30 km buffer of Order Limits
- Settlements
- Conservation Area
- NNR
- LNR
- SAC
- SSSI
- Registered Parks and Gardens
- Green Belt
- ALC Grade 1 and 2 Land
- ALC Grade 1
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- Flood Zone 2
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1:300,000 Scale @ A3

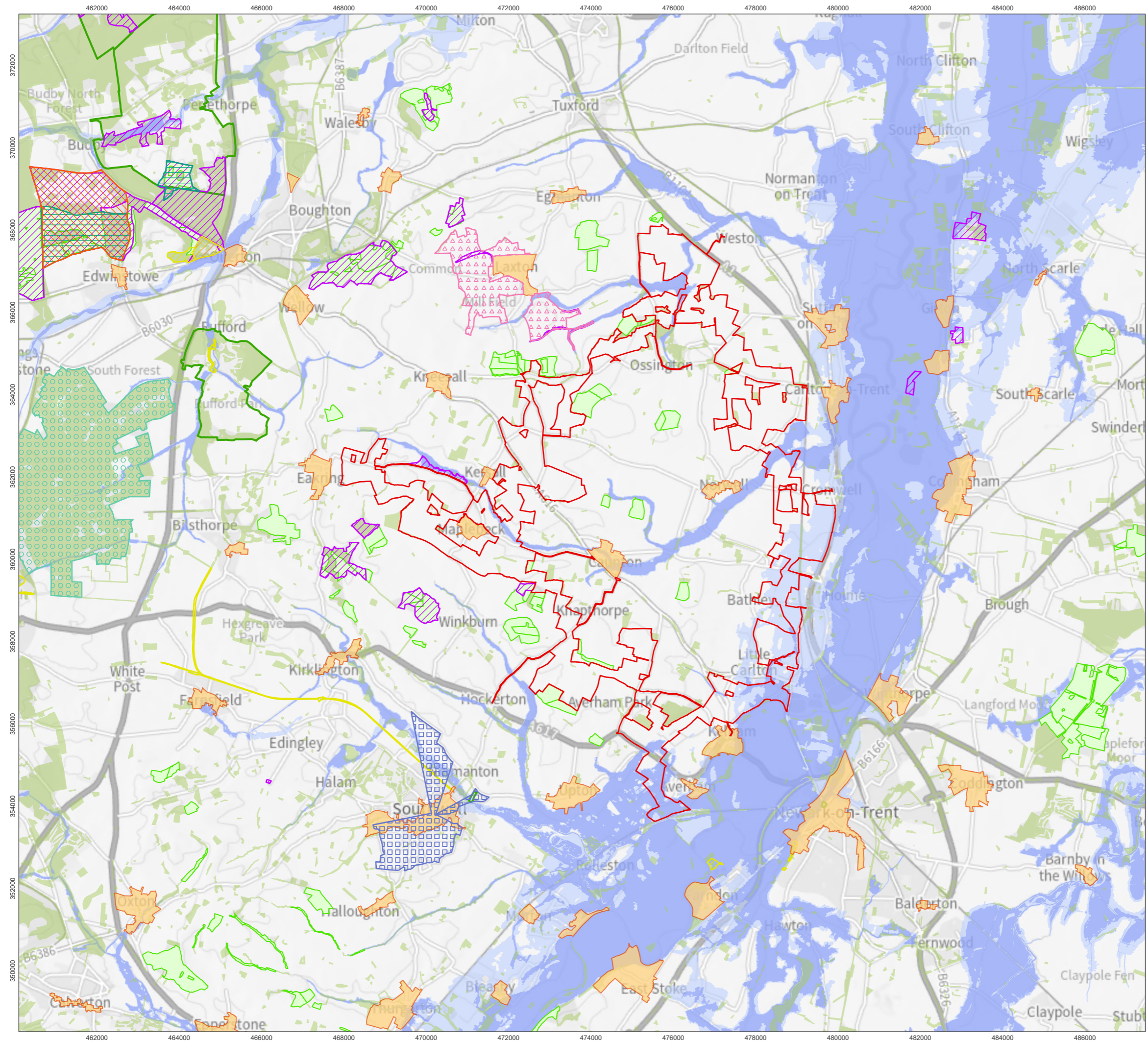
0 2.5 5 10 km

Ref: 007-001-112 Date: 02/11/2023

**Planning and Environmental Designations - 30 km**

**Figure 2.3**

**Great North Road Solar Farm Scoping Report**



- Order Limits
- Historic Landscape Around Laxton
- Sherwood Forest SINC
- Southwell Protected Views
- Conservation Area
- NNR
- LNR
- SAC
- SSSI
- Registered Parks and Gardens
- Flood Zone 2
- Flood Zone 3
- Ancient Woodland
- Woodland

1:90,000 Scale @ A3

0 0.75 1.5 3 km



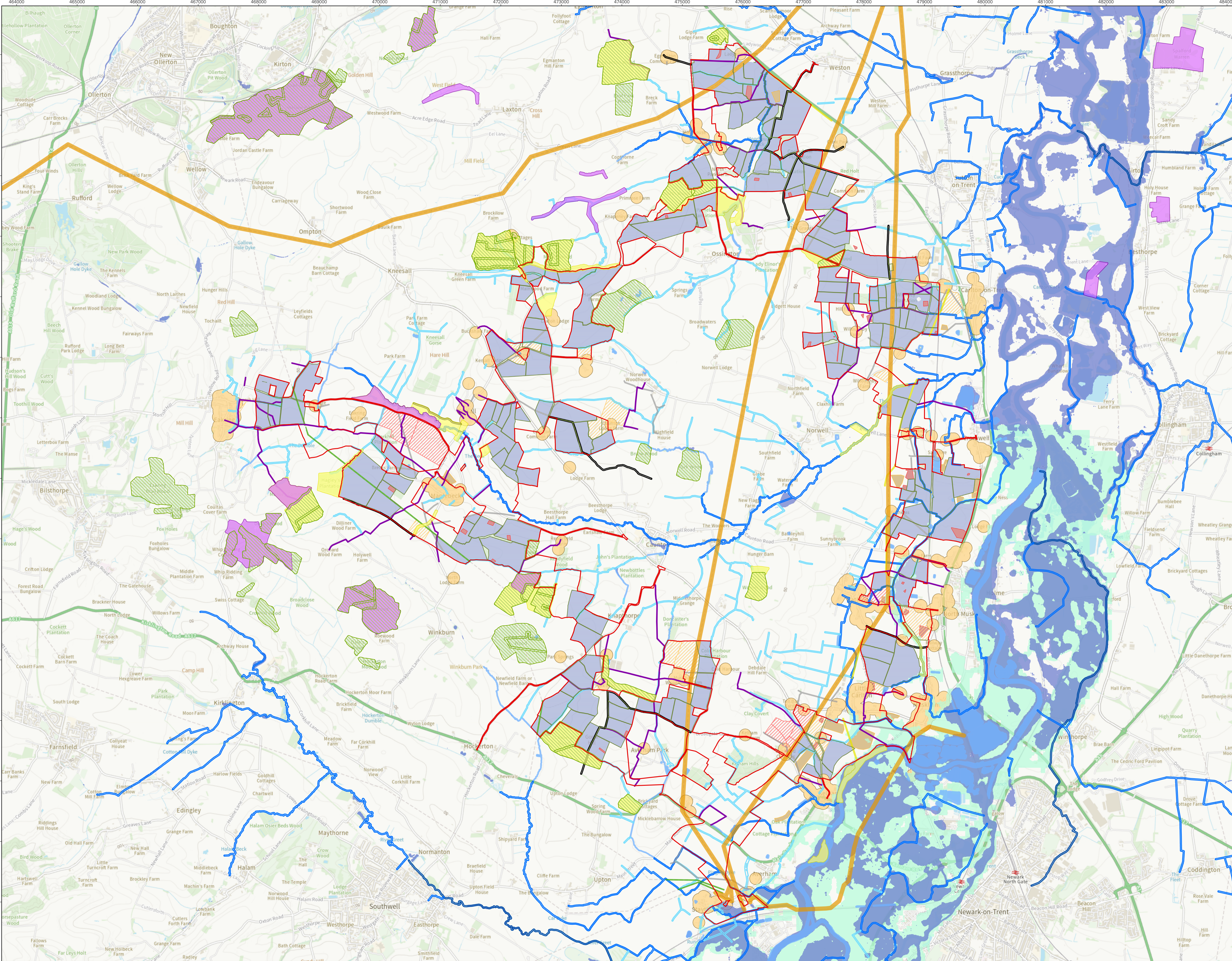
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Date: 06/11/2023

## Planning and Environmental Designations Figure 2.4

### Great North Road Solar Farm Scoping Report

- Order Limits
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  - Constraint to factor in
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# 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 by avoiding 250,000 tonnes of CO<sub>2</sub> every year



Helping reduce household bills and providing energy security



Increasing biodiversity and protecting wildlife with additional plantings and protected areas



Working with local communities to define and provide local benefits and opportunities



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## Job 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 requires a similar number of staff as currently employed in agriculture.
  - 3 annual grass cuts;
  - Annual panel cleaning;
  - Hedgerow maintenance;
  - Drainage and swales management

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	57



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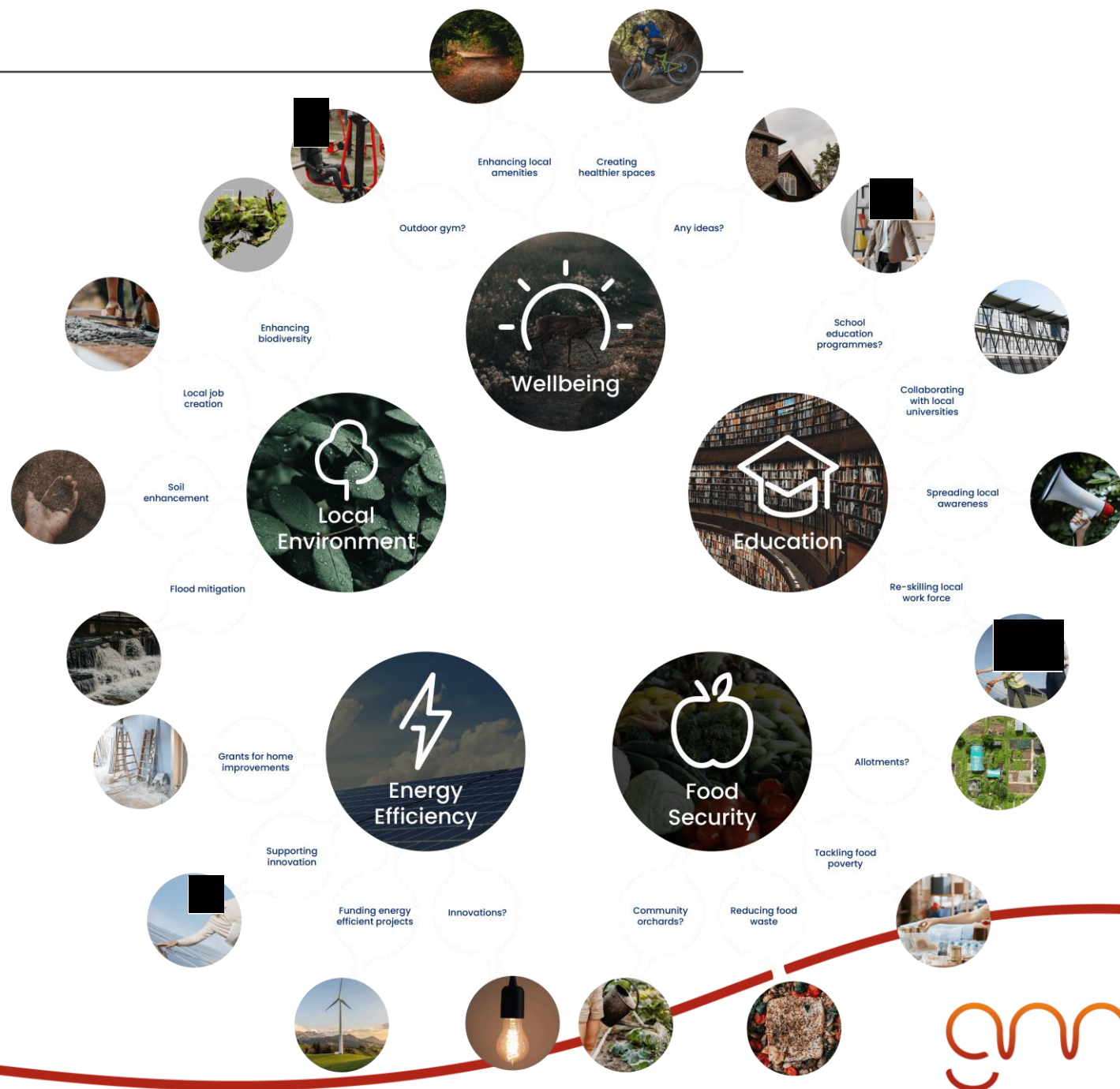
## Flood alleviation

- Existing flooding is a key issue for local communities and is something we are keen to address.
- The change of land use from arable land to year-round grassland beneath the panels is expected to have a net positive impact on existing flooding issues. It will:
  - increase infiltration;
  - provide soil stability; and
  - slow down surface water flows.
- We will put in place targeted, nature-based solutions to manage and slow down water to help further alleviate existing flooding issues.





- NG+ is a community support scheme linked to the proposed GNR Solar Park.
- 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

- 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

- 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

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



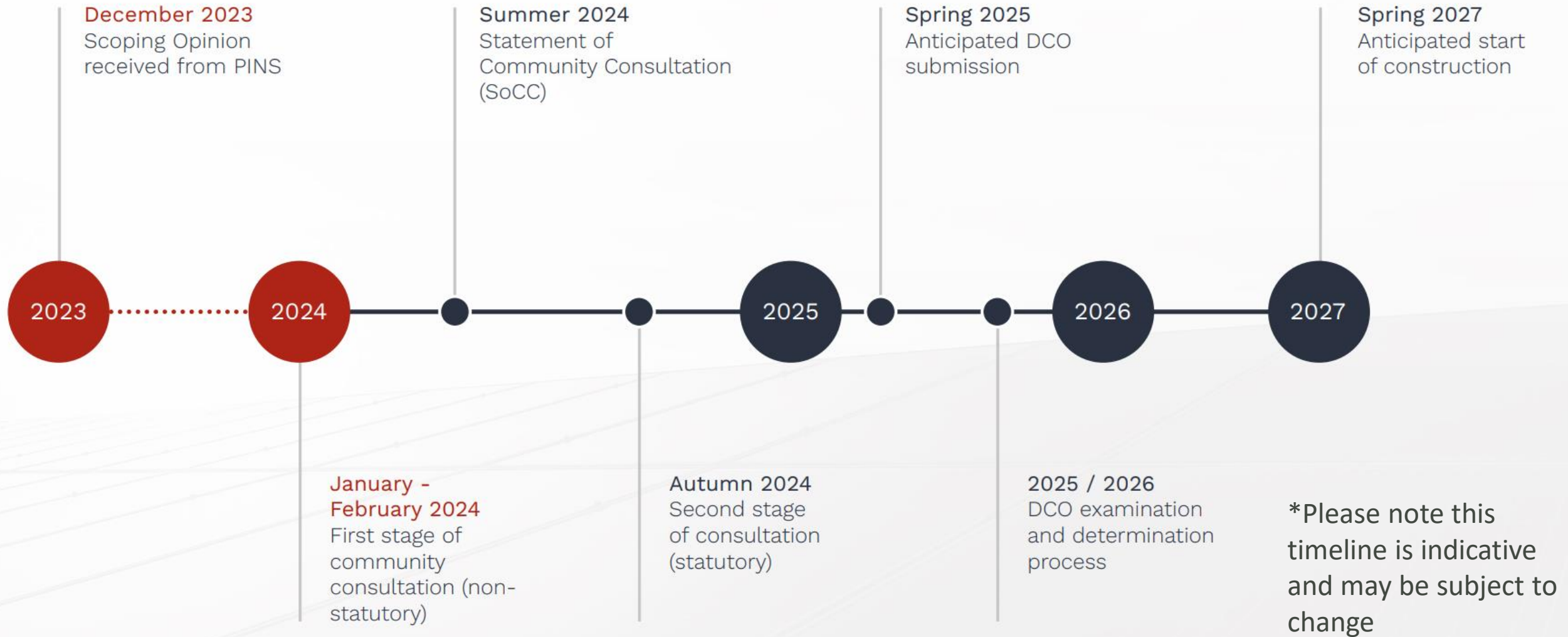
Creating  
new picnic  
and play  
areas



Creating  
and linking  
new and  
existing  
footpaths



# Development process timeline\*



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# Our consultation process

- Our first phase of community consultation is now live, running from **Tuesday 16th January 2024 to Tuesday 27th February 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, share your views and local knowledge.
- We will use the feedback we receive to inform and shape a strong set of proposals that are sensitive to and respect concerns of local communities.
  - Further to developing more detailed proposals, we will then carry out a second stage of consultation. This is intended to give you the opportunity to comment on our updated proposals and how they have evolved since the initial consultation. We expect to carry out this second stage of consultation towards the end of 2024.
  - Further to this consultation closing, we will review our proposals in light of feedback received along with the findings from our ongoing assessments so we can finalise and submit our application to the Planning Inspectorate. As the developer, we have a duty to demonstrate how we have taken your views into account in developing our final application in our Consultation Report.

**Your feedback  
is important to  
us**



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# Information events

We are holding a series of exhibition events during the first stage of consultation, providing opportunities for the community to find out more information about the proposals and provide their feedback.

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## Location

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

**Laxton Village Hall**, High St, 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**, Main Street, Kelham, Newark, NG23 5QP

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## Date and time

**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



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## Have your say

We want to hear your feedback on Great North Road Solar Park.

The deadline to submit your feedback is **Tuesday 27<sup>th</sup> February 2024** (on or before this date).

To have your say, you can:

- Complete our online feedback form at [www.gnrsolarpark.co.uk](http://www.gnrsolarpark.co.uk)
- Return a written feedback form or letter to FREEPOST GNR SOLAR
- Tell us your comments via email at [info@gnrsolarpark.co.uk](mailto:info@gnrsolarpark.co.uk)

All information about Great North Road Solar Park can be found on our website: [www.gnrsolarpark.co.uk](http://www.gnrsolarpark.co.uk) and information about NG+ can be found at <https://ngplus.uk/>



# Q&A session

Thank you for listening

We now have a short video, which may answer some of your questions, or inspire new ones.



# Great North Road Solar Park

Phase One Consultation Community Webinar

Monday 5<sup>th</sup> February, 5:30pm – 7pm

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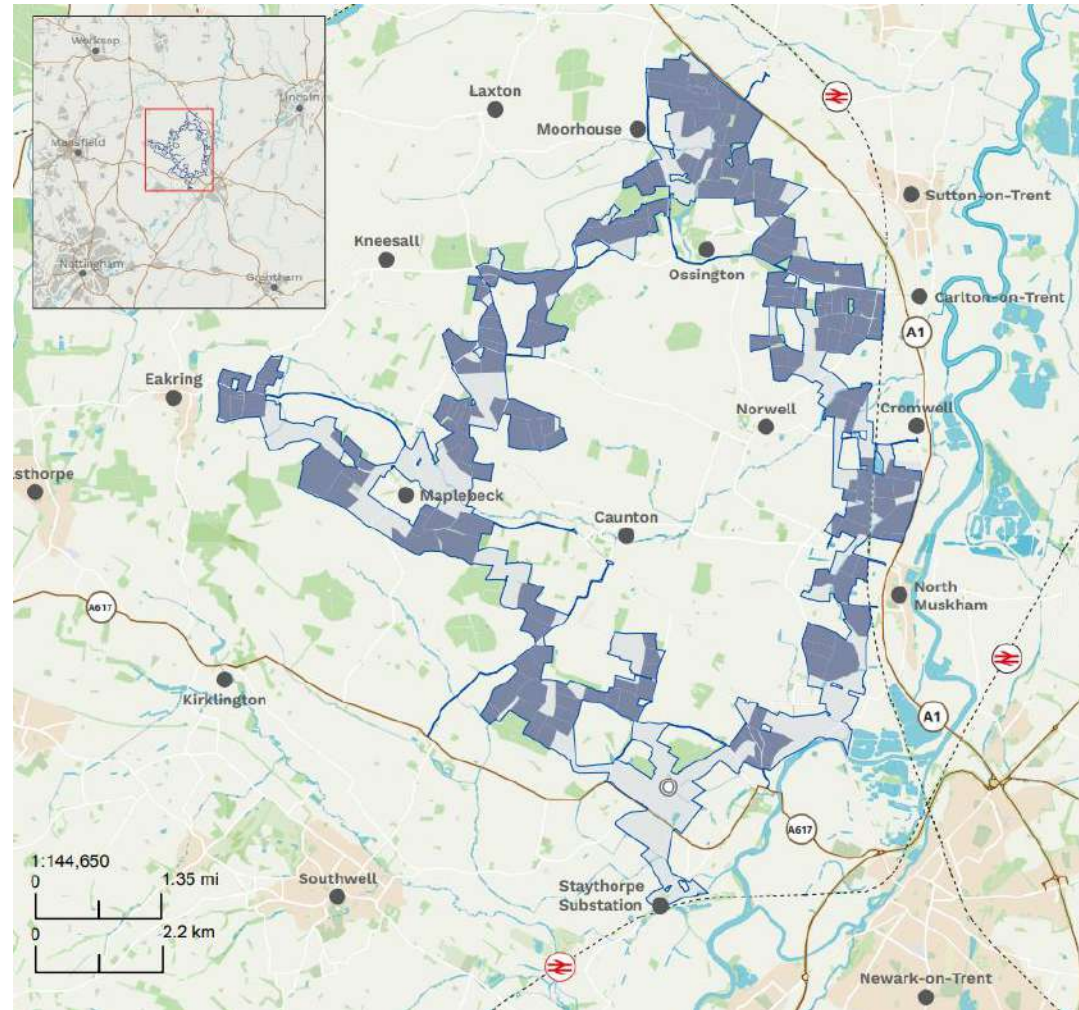
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