



Speedwell Solar Farm

We are here today to discuss our plans, listen to your views and answer your questions.

We are committed to comprehensive community consultation and all feedback will be analysed and used to inform the final proposals.

About Statkraft

- The largest generator of renewable energy in Europe
- Origins in Norwegian hydropower over 125 years ago
- Offices across the UK
- Trade more than 6GW of power purchase agreements
- Operating in the UK since 2006
- Develop, build and operate wind, solar, hydrogen and grid stability services
- Distributed over £4 million to communities near renewable energy projects



The Site

Why here?

The site has been selected for its suitability for solar development, taking account of the local environment and landscape.

Key site features include:

- a high level of solar irradiance (brightness of the sun) to generate renewable energy
- proximity to national grid connection
- suitable topography and existing mature trees to limit visual impact on the wider area
- opportunities for landscape planting and biodiversity enhancements

At the end of its operational life, the land can return to its original use once the solar farm is decommissioned.

Why solar energy?

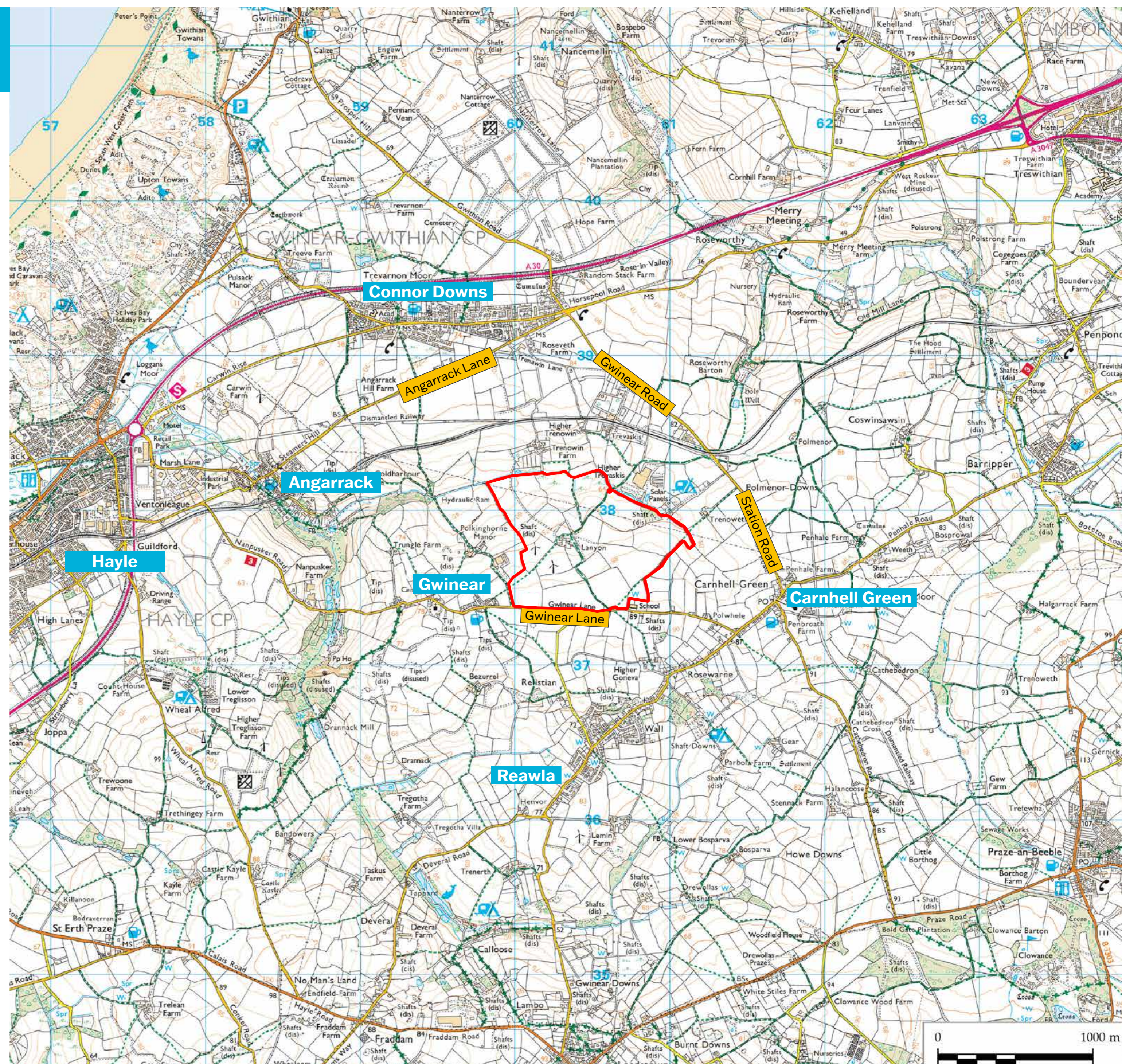
Solar energy is the cheapest, cleanest form of energy generation currently available and can be deployed much more rapidly than other technologies.

Solar energy is already a major generator in the UK, and this project will help meet the government target of 40GW of solar capacity by 2030.

Site Location Plan

The site is located in the village of Gwinear, approximately 300 metres south of the Hayle-Camborne Railway Line.

 Site Boundary



The Proposals

Indicative Layout Plan

- Site Boundary
- Perimeter Fence
- Solar Panel Arrays
- HVoltage Compound
- Existing Wind Turbines
- Construction Access/Proposed Car Park



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Ordnance Survey 0100031673

Project Summary

Up to
40MW

Export capacity,
helping to
power
Great Britain



Renewable electricity
equivalent of the needs
of around

12,000
HOMES ^[1]



Sensitive scheme design

Less than **50% (94 acres)** of the
site to be used for solar panels



Supporting local primary students

Creating a new biodiversity area and delivering a school
car park to remain in place beyond the life of the solar farm



£320,000
COMMUNITY
BENEFIT FUND
over project
lifetime^[2]



At least **10%**
biodiversity net gain

Planting more native
shrub, tree species and
wildflower areas.



[1] Based on average household consumption of 3,509kWh per year (BEIS, 2021)

[2] Based on £200 per MW installed capacity and a 40MW scheme

Environmental Impact Assessment

Environmental Impact Assessment (EIA) is the process of identifying, assessing and presenting the likely significant environmental effects of a proposed development to inform good decision making.

This process allows early action to be taken to avoid adverse environmental effects and informs necessary mitigation measures required, including those embedded in the design of this project.

The results and findings of surveys and assessments, undertaken by a team of specialist consultants, will be detailed in an Environmental Statement, which will be submitted as part of our planning application.

The Environmental Statement will include:



Landscape and Visual Impact



Noise and Vibration



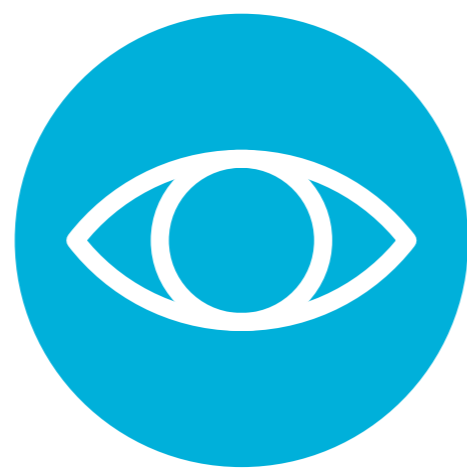
Ecology and Biodiversity



Cultural Heritage and Archaeology



Transport and Access



Glint and Glare



Agricultural Land and Soil

As well as:

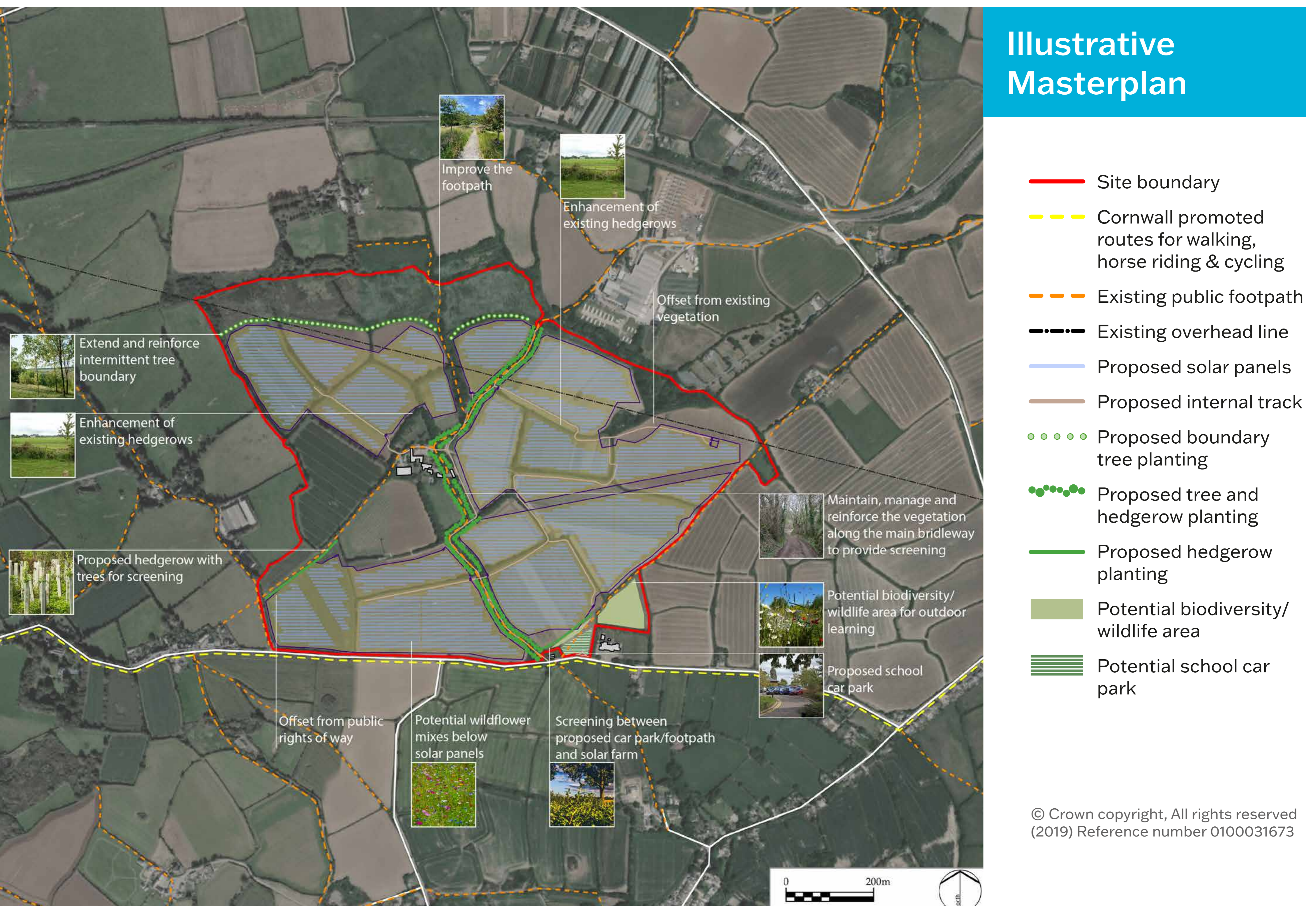
- Air Quality
- Hydrology and Geology
- Climate
- Population
- Human Health
- Waste



Landscape and Visual Impact

Careful design of the project minimises visibility of the solar farm within the wider landscape and from public rights of way.

- The site already benefits from screening provided by existing mature trees along tracks and field boundaries, which we will seek to retain as far as possible.
- Further assessment will be undertaken to identify where new or additional screening can be planted. The plan below shows the general principles for the landscape and planting strategy.
- Solar panels will be set back from footpaths through the site, and hedgerows and trees will be planted to provide additional screening. Our application will include planting plans and a Landscape and Ecological Management Plan showing the detailed landscape and planting proposals.

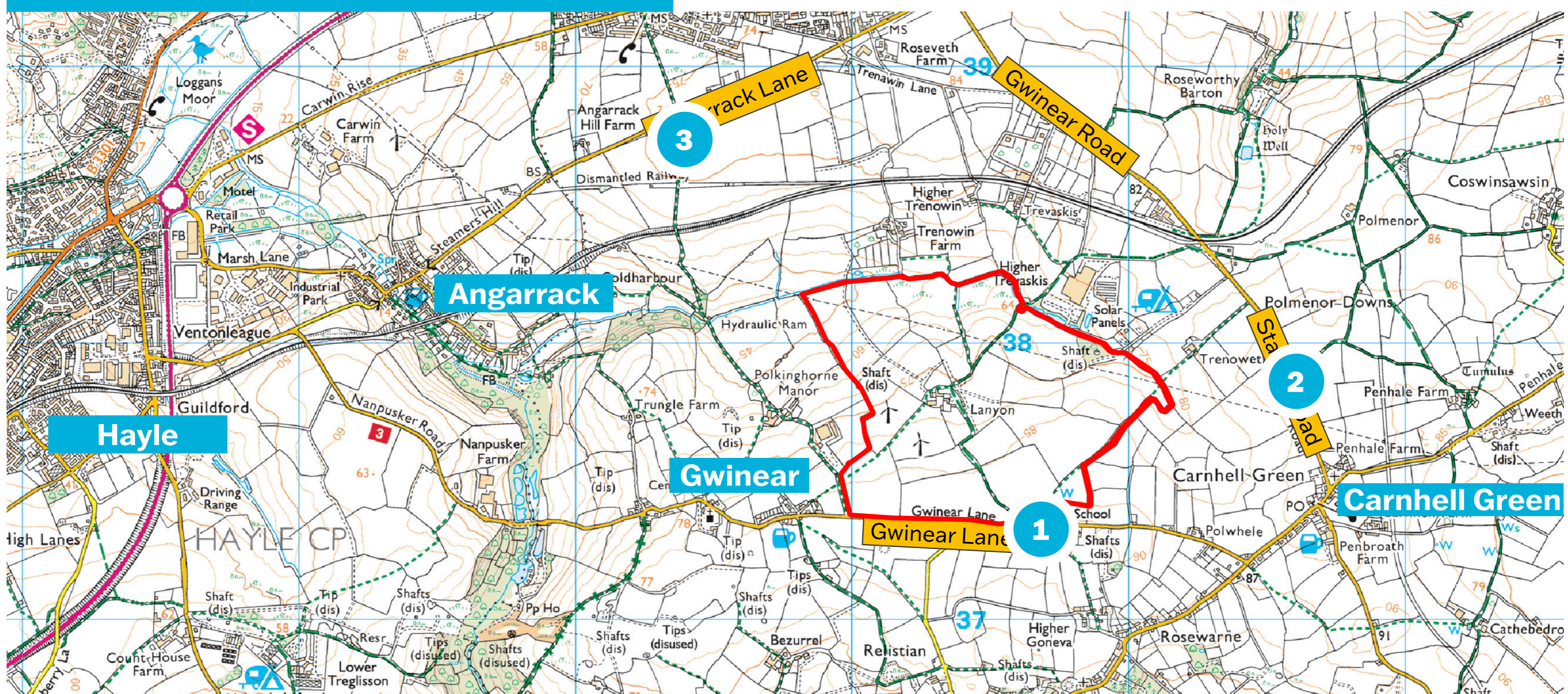


Local Views

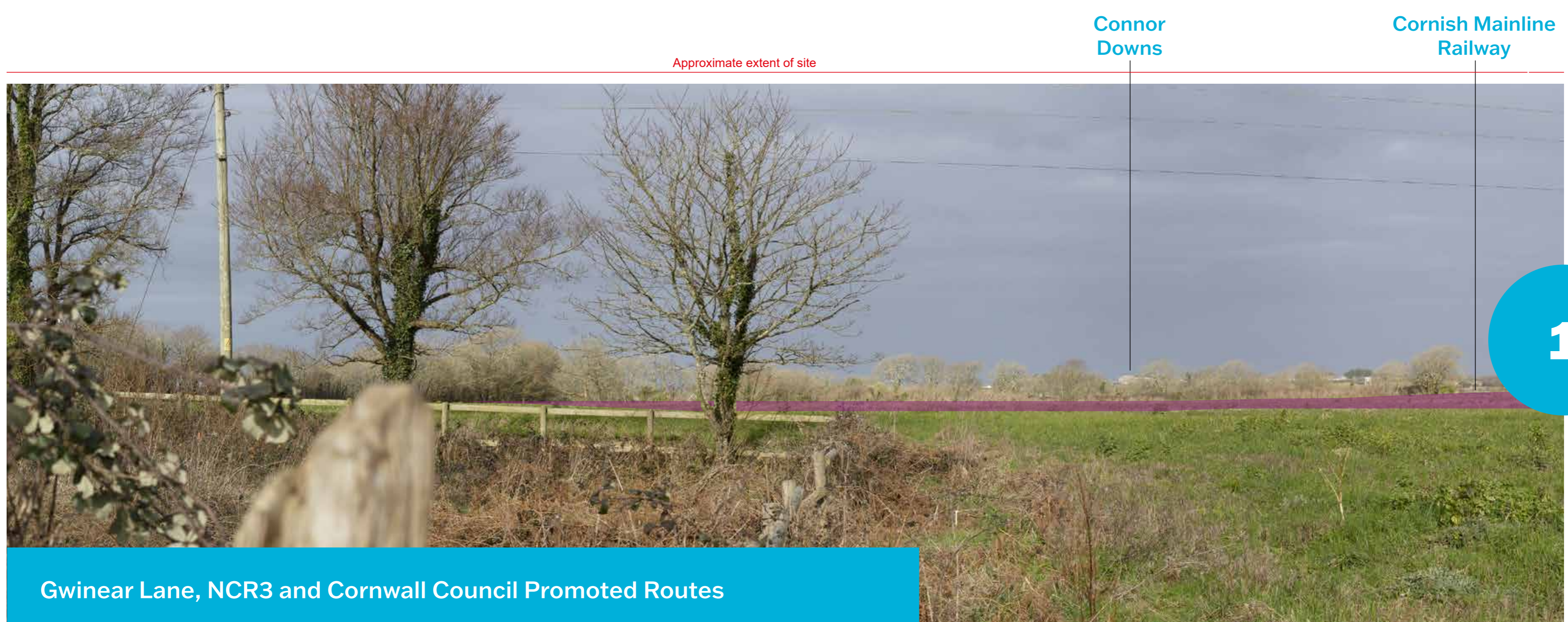
The visual impact of the scheme will be assessed from selected viewpoints around the site, agreed with Cornwall Council.

The indicative extent of the proposed solar farm from three of these viewpoints is shown by the purple areas below. The actual extent of the proposed development may be less than shown.

Locations of Viewpoints



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Ordnance Survey 0100031673



1

Gwinear Lane, NCR3 and Cornwall Council Promoted Routes

View not printed to scale

Local Views

PRoW no:
101/15/1

Approximate extent of site



1

Gwinear Lane, NCR3 and Cornwall Council Promoted Routes

View not printed to scale

Distant hills
near Lelant
On-site
wind turbine On-site
wind turbine

Approximate extent of site



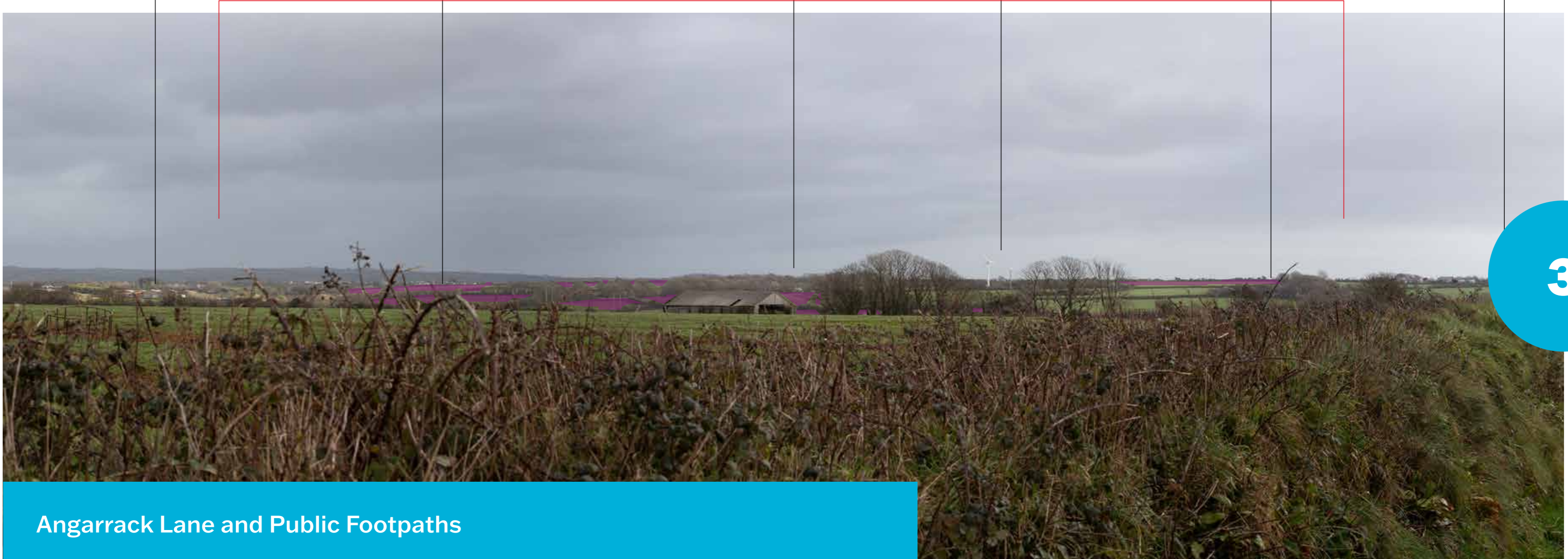
2

Station Road and Bridleway

View not printed to scale

Higher
Trevaskis Carnhell
Green Lanyon Farmhouse
(on-site) On-site
wind turbines Polkinghorne
Manor Gwinear

Approximate extent of site



3

Angarrack Lane and Public Footpaths

View not printed to scale

Ecology and Biodiversity

We have completed a number of ecology surveys to identify the habitats and species on site, with further survey work ongoing.

Specific surveys have been carried out for breeding birds, bats, otters, water voles and badgers.

The results of the survey work have informed the proposed solar farm layout, ensuring we avoid sensitive habitats.

As part of our design, we will deliver a net gain in biodiversity.

Potential measures will include:

- planting new hedgerows and trees
- sowing appropriate wildflower seeds
- establishing suitable grassland
- managing the land to create more wild habitats

As part of the planning application, we will prepare a Landscape and Ecological Management Plan that will set out the detail on the proposed measures to enhance the site's biodiversity and how these will be managed.

Statkraft is working closely with experts at the Bumblebee Conservation Trust to develop solar farms that enhance, restore and create bumblebee habitats and their advice will inform proposals for the project.

We are also exploring potential options for the 2.5 acre area of land directly north of the primary school to be used as a dedicated biodiversity / wildlife area. This could be used to facilitate outdoor learning for pupils of the school. We welcome your ideas on proposals for this area.

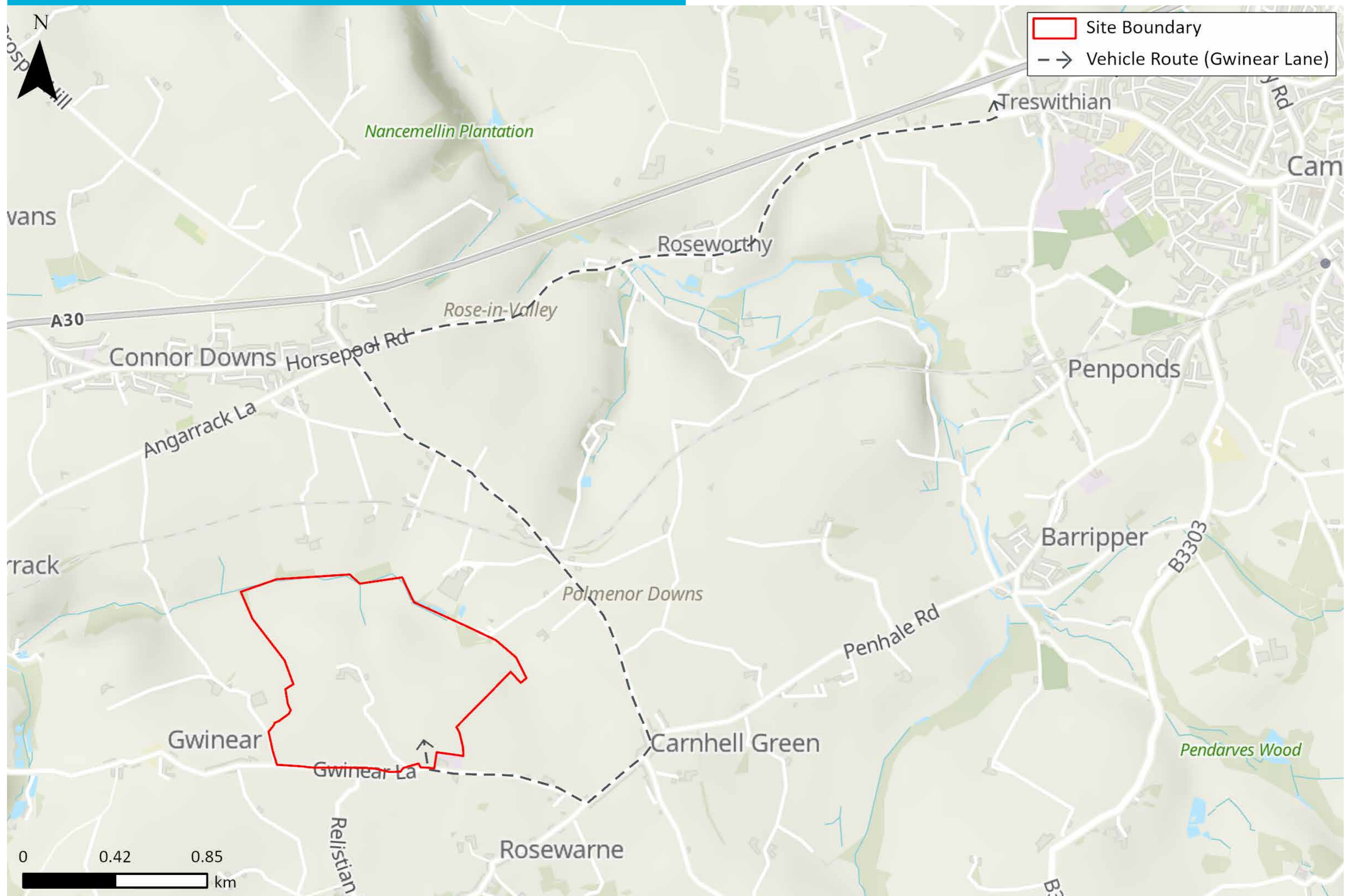


Construction and Access

If consented, it is anticipated that construction of Speedwell Solar Farm would start in 2025 and take approximately six to nine months.

- Construction traffic would be routed to the site from the A30 via the Treswithian junction. Subject to ongoing assessment work, it is anticipated that construction vehicles would enter the site off Gwinear Lane through a new access point in the south-east of the site, through the area proposed for the new school car park.
- We will prepare a Construction Traffic Management Plan (CTMP), which will be agreed with Cornwall Council. The CTMP will set out measures to control traffic during construction and include management measures to mitigate any potential short-term impacts on the local highway network.
- Construction working hours will be agreed with Cornwall Council and will seek to avoid peak school drop off and pick up times.

Proposed Construction Traffic Route



Community Benefits

We want to maximise the benefits our projects bring to the local community.

We will work with you to explore how our plans can make a positive difference to the local area.



Community Benefit Fund

This project will deliver a Community Benefit Fund of £8,000 per year for local projects.

This will be available for local organisations and will provide £320,000 to support local community projects during the 40 year lifespan of the solar farm.



Biodiversity enhancements

Statkraft look to actively improve the environment around our projects.

We are targeting a minimum biodiversity net gain of 10% and are working with experts and groups to maximise local biodiversity improvements and enhancements.



Supporting Gwinear Primary School

As part of this project, we are proposing to provide:

- a new biodiversity and wildlife area for outdoor learning.
- a new car park, helping to improve safety and traffic management at the school.

These benefits will remain beyond the lifespan of the solar farm.



Local investment

The relationships we forge with local suppliers help our projects to become successful and provide valuable investment in the local area.

We will work with local business groups such as the Chamber of Commerce to increase awareness of the opportunities in construction and operations.


We welcome ideas on how our project can support local education and employment opportunities, and boost local businesses.

Feedback and next steps


Thank you for taking the time to visit our community event today.

Your feedback is important to help inform the emerging proposals for Speedwell Solar Farm.

Let us know what you think by:

 leaving your completed feedback form at the exhibition

 posting your completed feedback form to **Freepost STATKRAFT**

 sending a scanned copy of your completed feedback form

 emailing: ukprojects@statkraft.com

 calling: **0800 772 0668**

Please let us have your comments by:
14 July 2023

Next steps

Following the consultation, we will review and respond to comments before finalising and submitting a planning application to Cornwall Council.

Indicative timeline

- Summer 2023:**
Public consultation
- Autumn 2023:**
Finalising proposals and submitting planning application
- Winter 2023/24:**
Cornwall Council consults on final proposals and determines planning application
- 2025:**
Construction starts (if consented)
- 2025/26:**
Speedwell Solar Farm operational