



PACE

PATHFINDER CLEAN ENERGY

The Grange Solar

Pre-application presentation to
Palgrave Parish Council

8th September 2021

Why we're doing this

Climate emergency

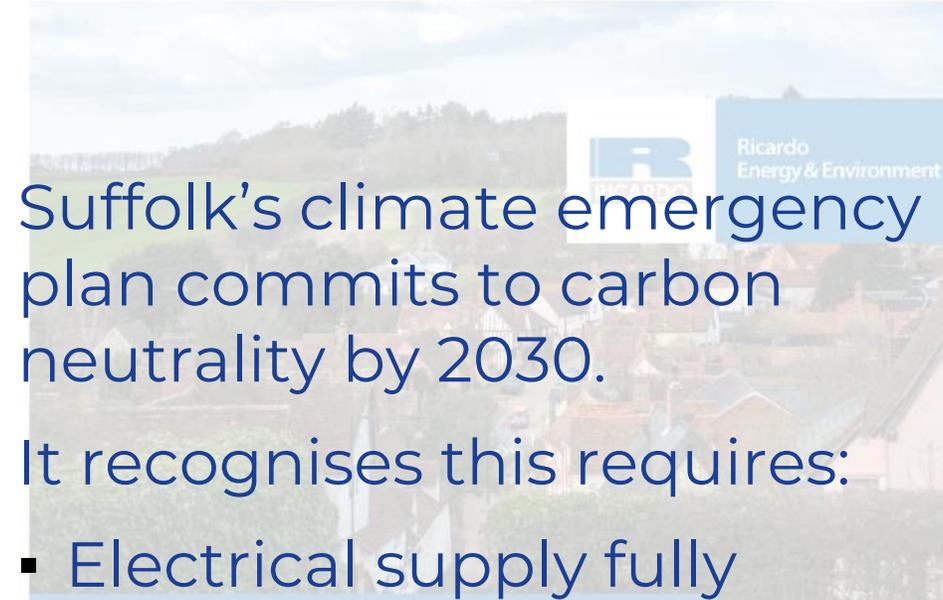


Suffolk Climate Emergency Plan,
Technical Report
Consultancy Support

Report for Suffolk Climate Change Partnership
CD DW001

Why we're doing this

Climate emergency



Suffolk's climate emergency plan commits to carbon neutrality by 2030.

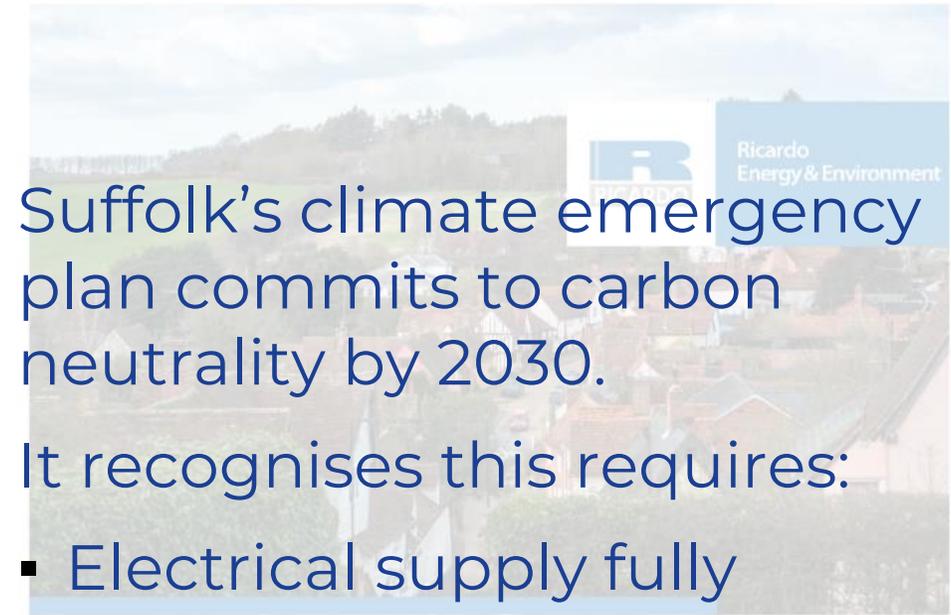
It recognises this requires:

- Electrical supply fully decarbonised by 2030
- *“Significant action across range of stakeholders”*
- *“Increasing uptake of local distributed renewables”*

Why we're doing this

Climate emergency

The future is zero carbon and that involves creating many renewable energy projects



Suffolk's climate emergency plan commits to carbon neutrality by 2030.

The image shows the cover of the 'Suffolk Climate Emergency Plan' report. It features a background image of a residential street with houses and trees. In the top right corner, there is a blue box with the Ricardo Energy & Environment logo and name. The title 'Suffolk Climate Emergency Plan' is visible at the top of the page.

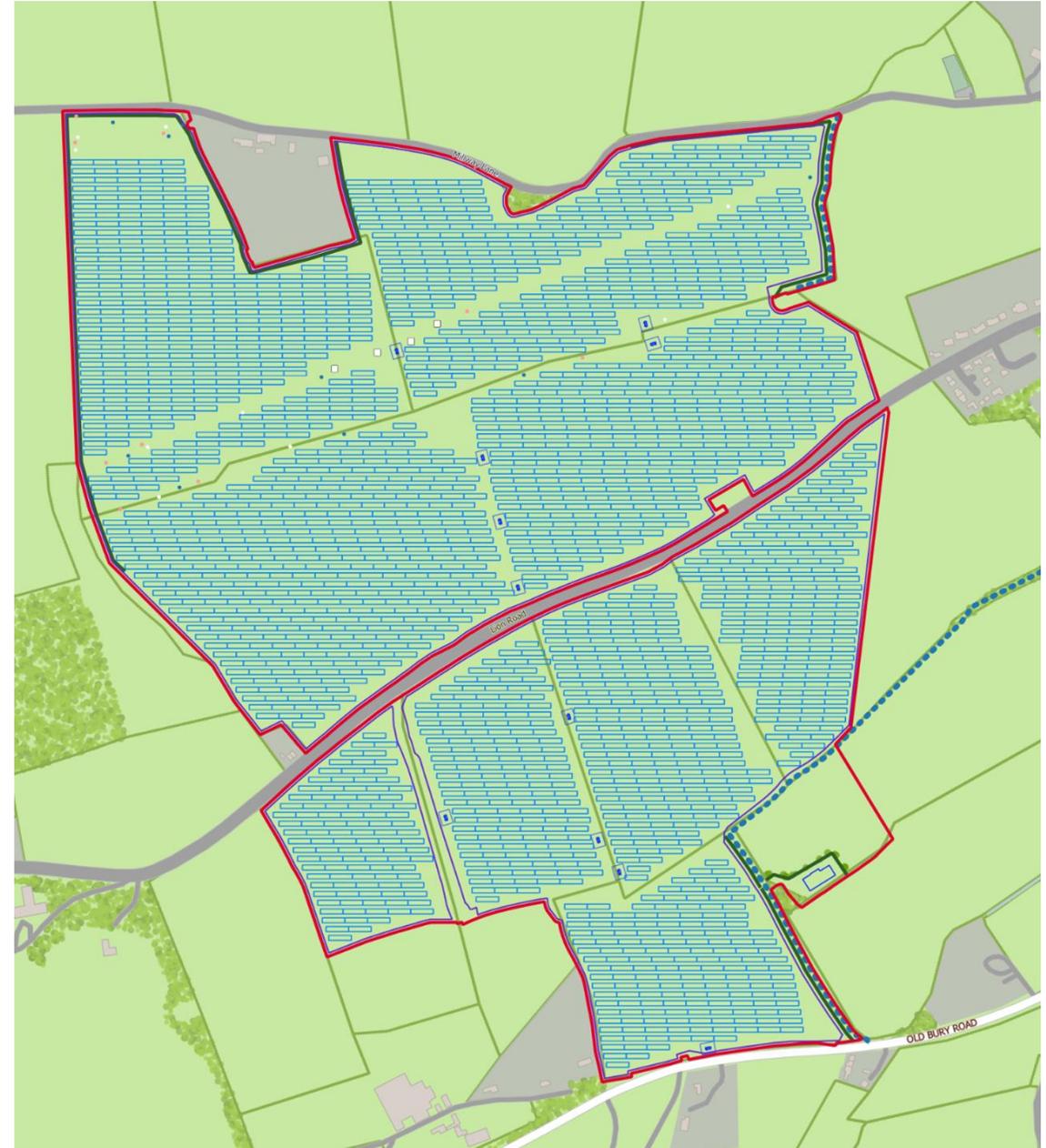
It recognises this requires:

- Electrical supply fully decarbonised by 2030
- *“Significant action across range of stakeholders”*
- *“Increasing uptake of local distributed renewables”*

Original Layout

Your comments after the first Parish Presentation in July 2021:

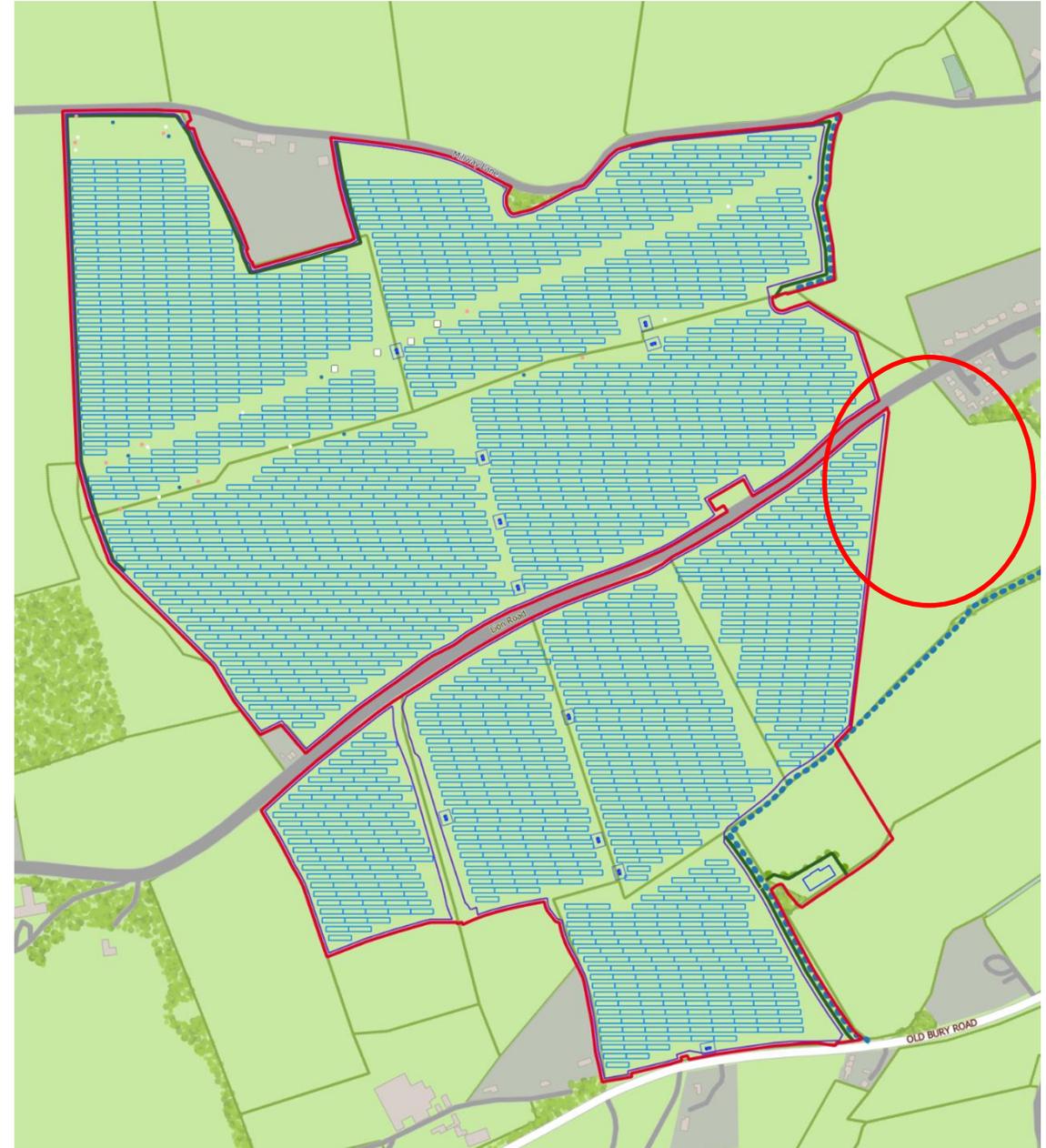
- Scale of the development, effects on countryside and use of higher quality farmland



Original Layout

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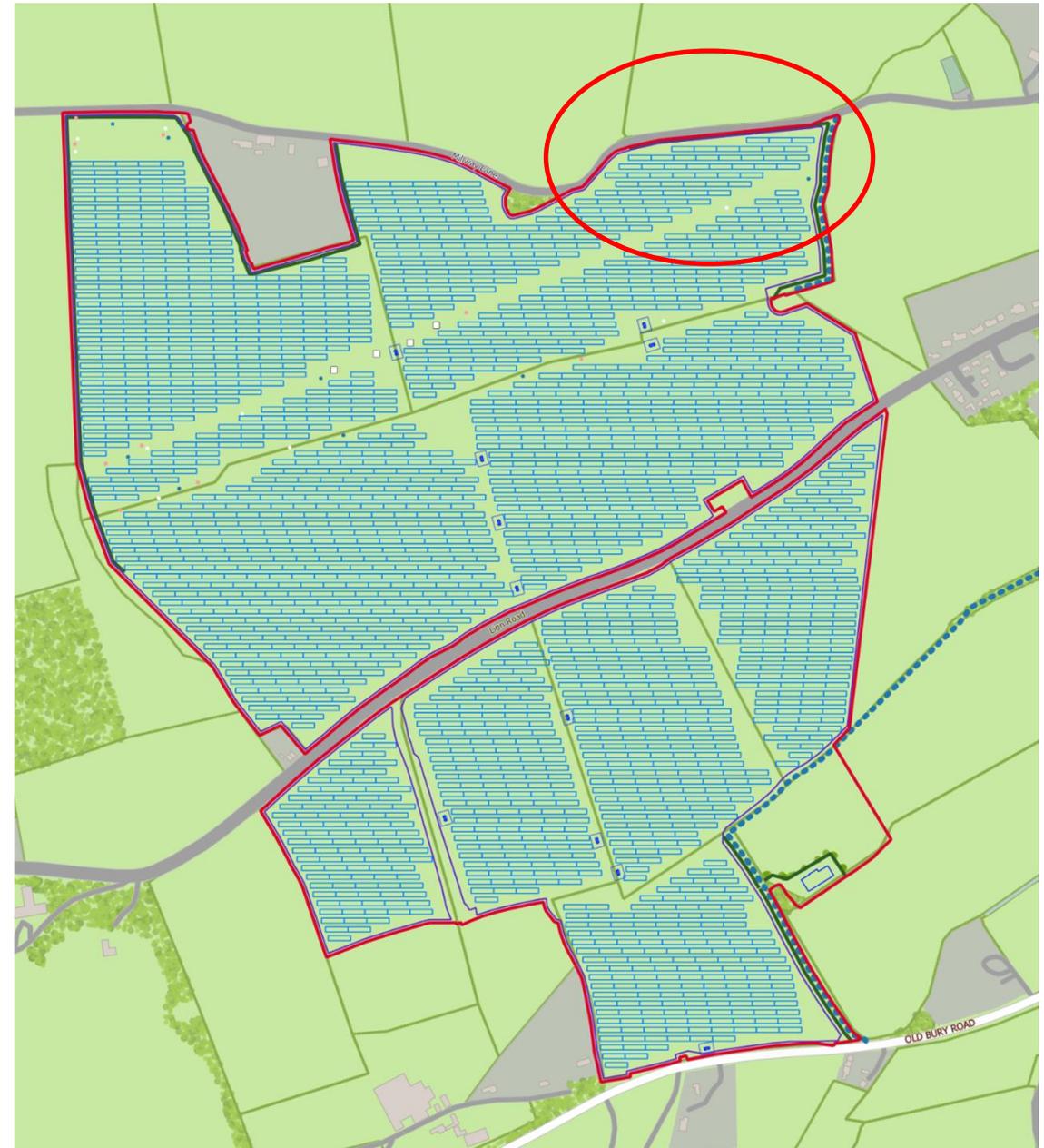
- Scale of the development, effects on countryside and use of higher quality farmland
- Development being too close to surrounding properties to the west of Palgrave



Original Layout

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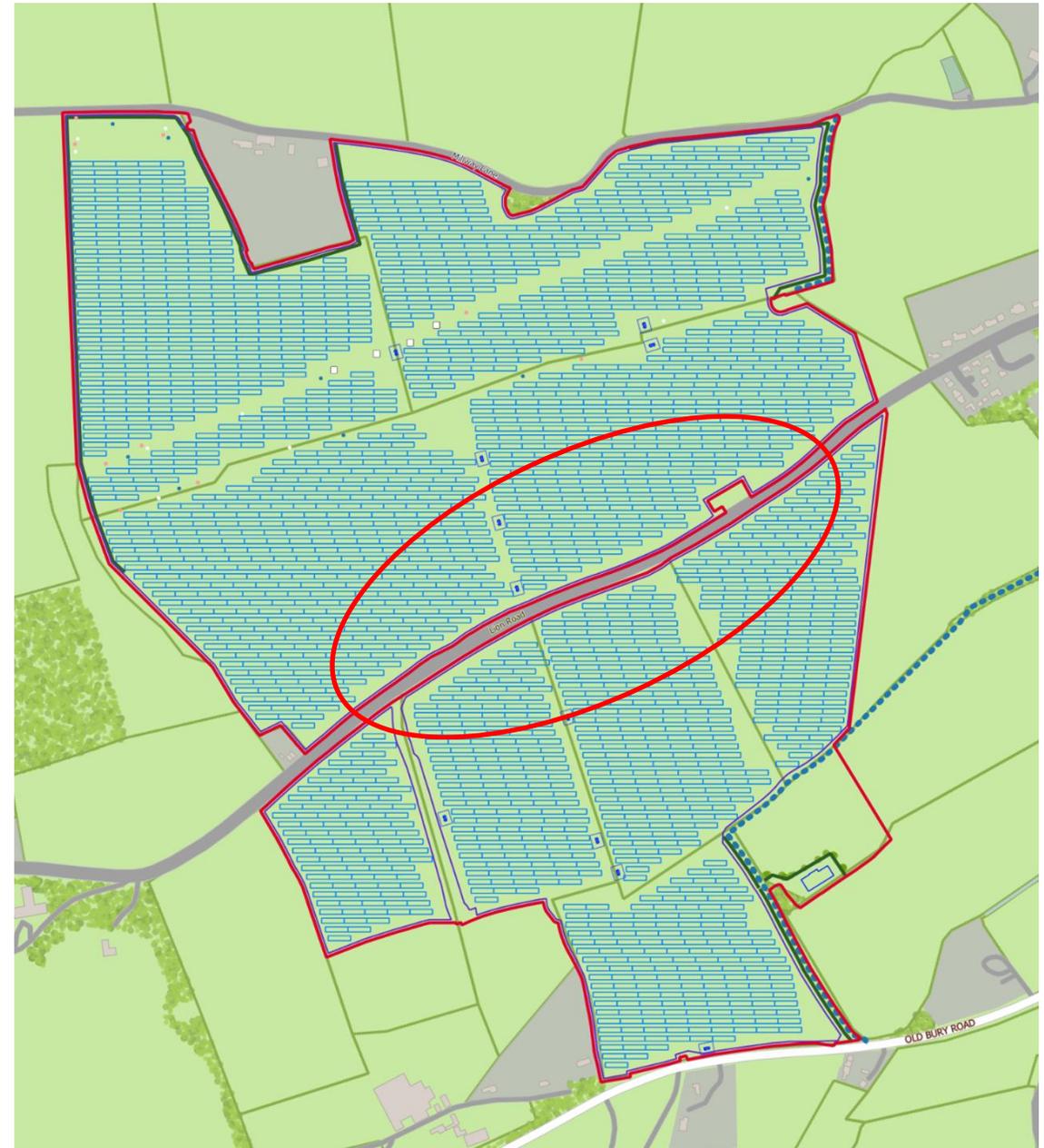
- Scale of the development, effects on countryside and use of higher quality farmland
- Development being too close to surrounding properties to the west of Palgrave
- Closeness to Millway Lane which will affect the landscape and countryside views



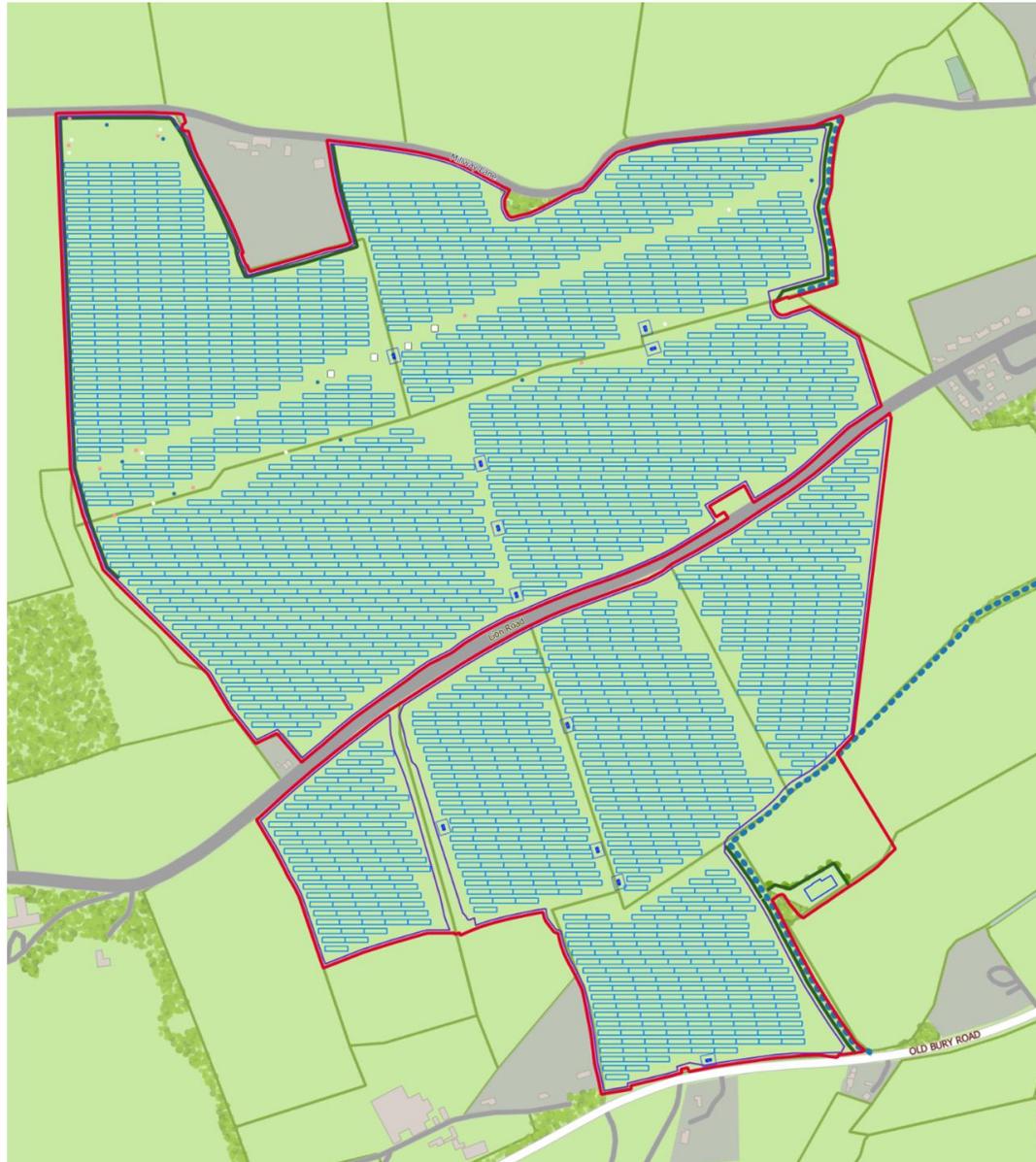
Original Layout

Your comments after the first Parish Presentation in July 2021:

- Scale of the development, effects on countryside and use of higher quality farmland
- Development being too close to surrounding properties to the west of Palgrave
- Closeness to Millway Lane which will affect the landscape and countryside views
- Viewed as an industrial gateway into Palgrave



Original Layout



Amended Layout



From the settlement of Palgrave

- Development set further back from Palgrave
- Existing hedges and trees retained
- New hedging to minimise any views
- Permissive path maintained





Existing View





Day 1





Year 10





Existing View





Day 1





Year 10





Existing View





Day 1



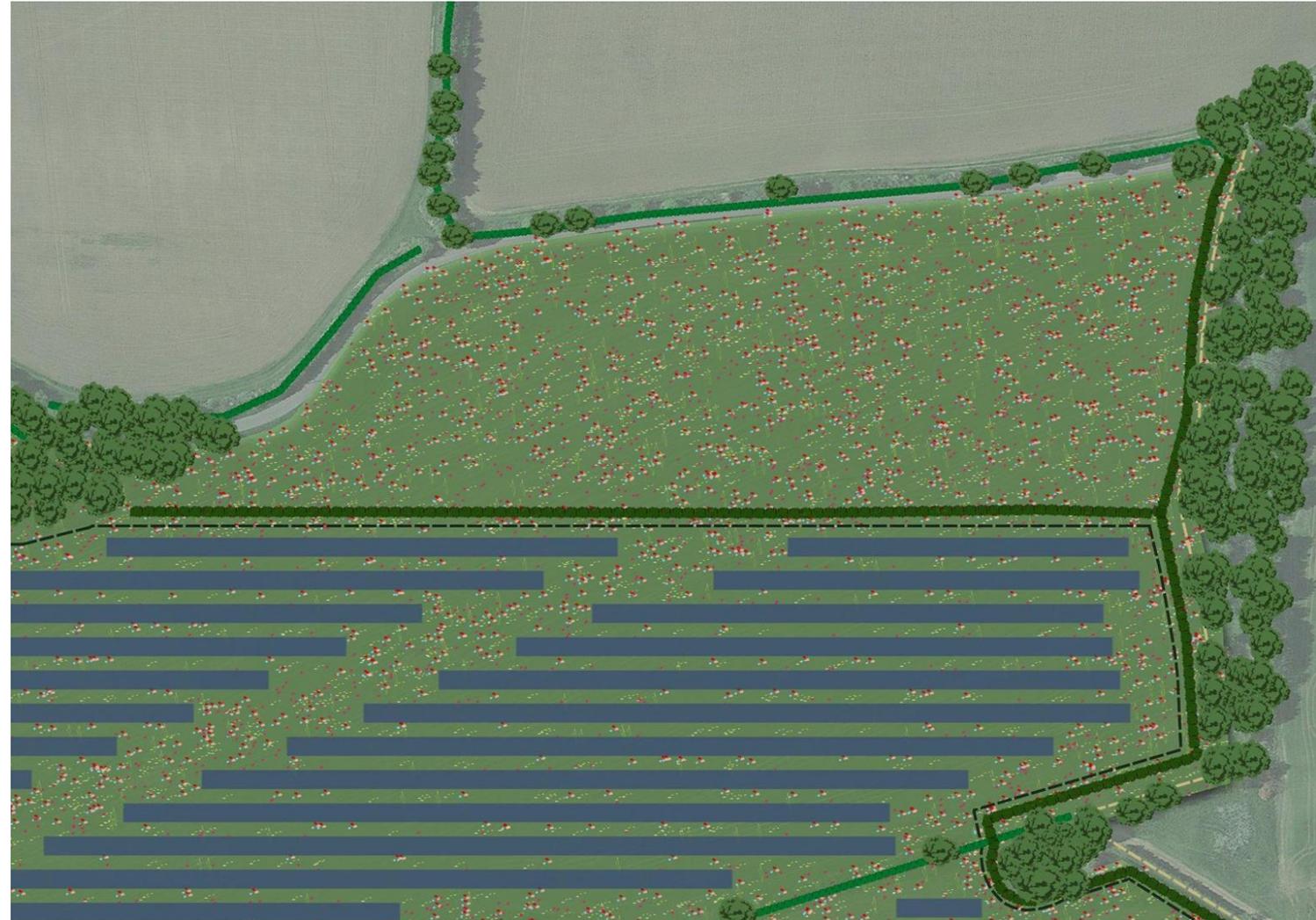


Year 10



Millway Lane

- Development set back approximately 105m to minimise effect on quiet lane
- Existing hedgerows and trees retained
- New hedging planted to help screen development





Existing View





Day 1





Year 10





Existing View





Day 1





Year 10



From Lion Road

- Panels have been set further back from Lion Road
- Panel heights in rows closest to Lion road in the northern fields reduced to minimise views.
- Existing hedgerows and trees along retained and gapped up where necessary





Existing View





Day 1





Year 10





Existing View





Day 1





Year 10





Existing View





Day 1





Year 10





Existing View





Day 1





Year 10





Existing View





Day 1





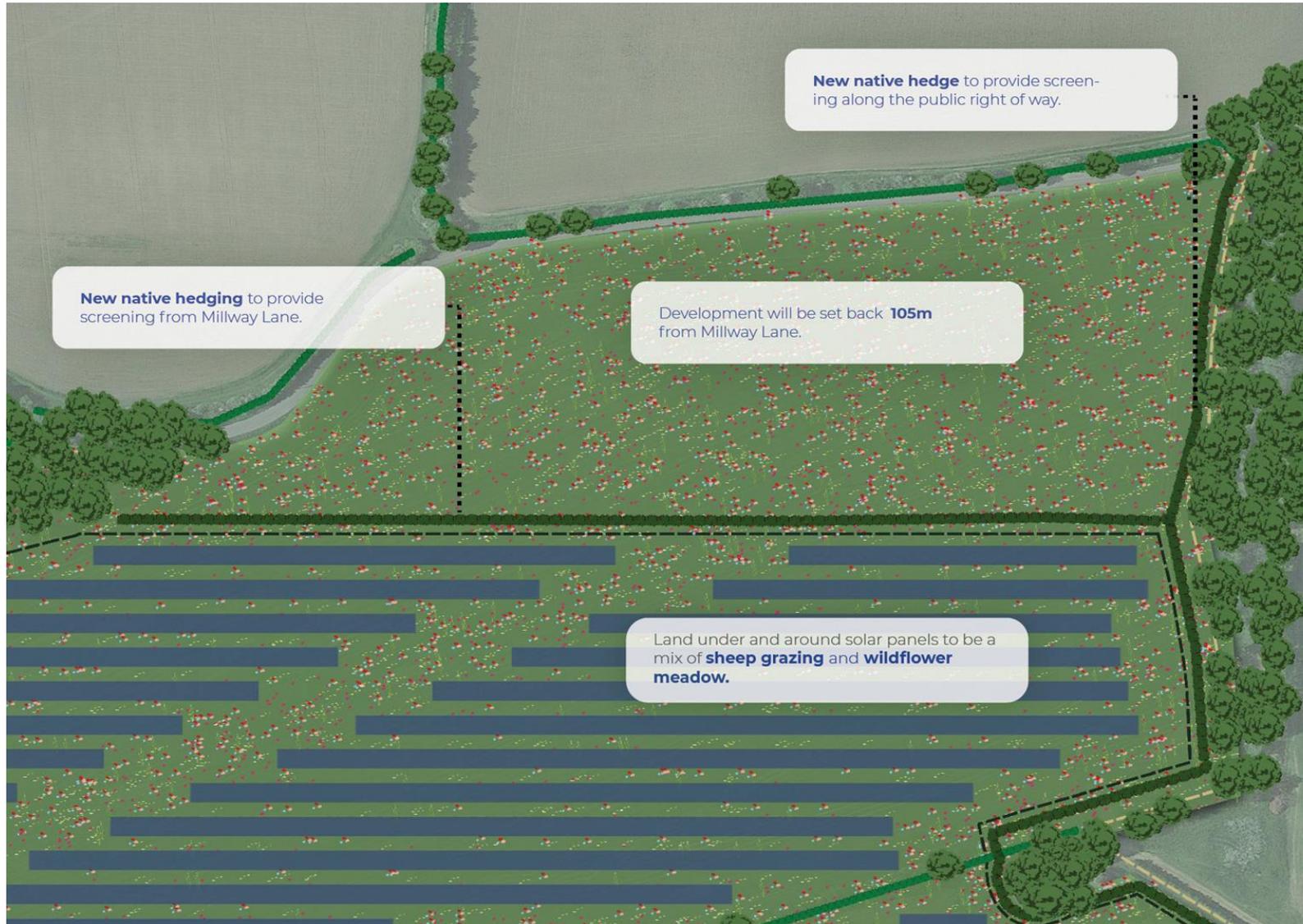
Year 10



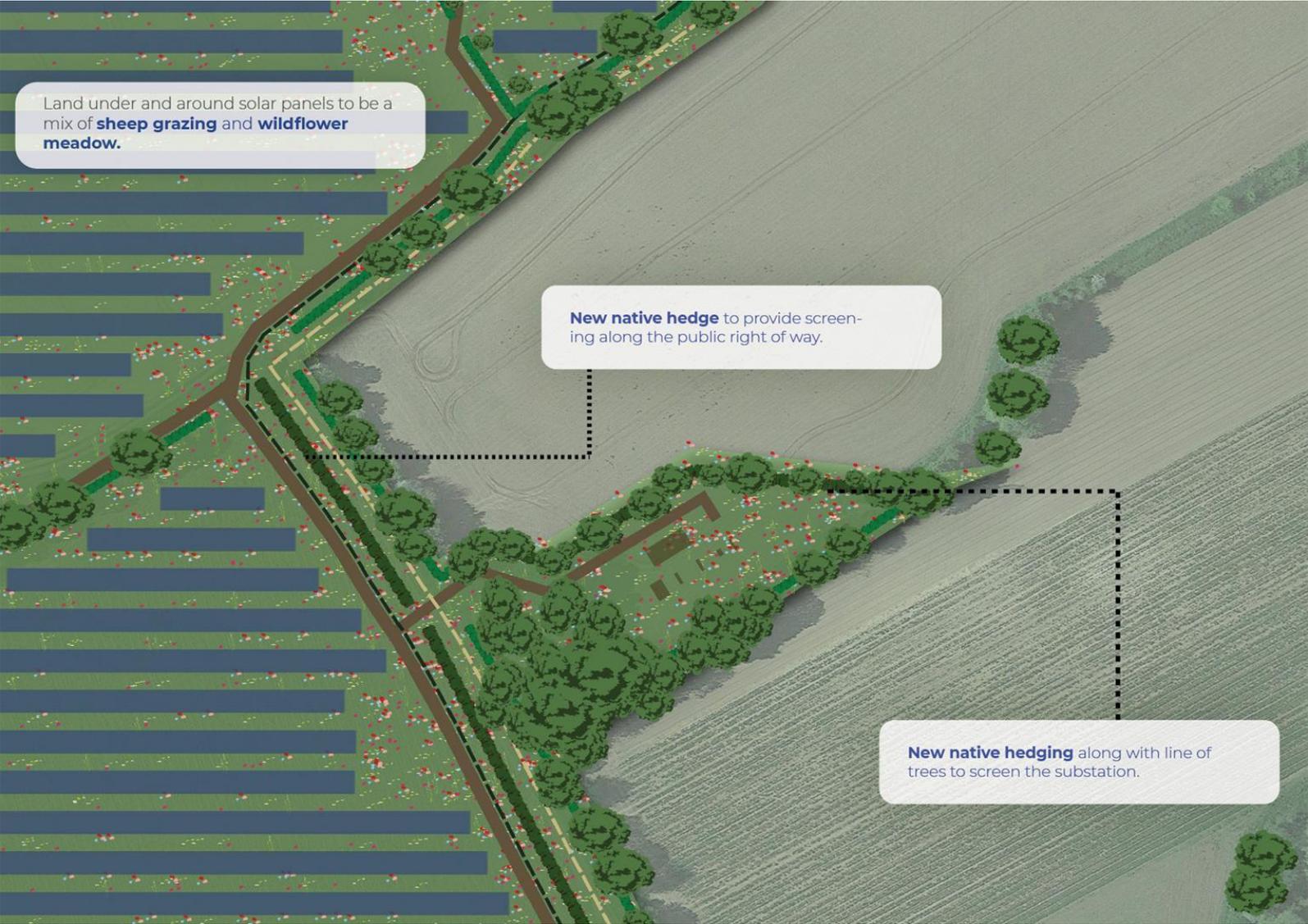
Project Features and Benefits



Mitigations and Enhancements

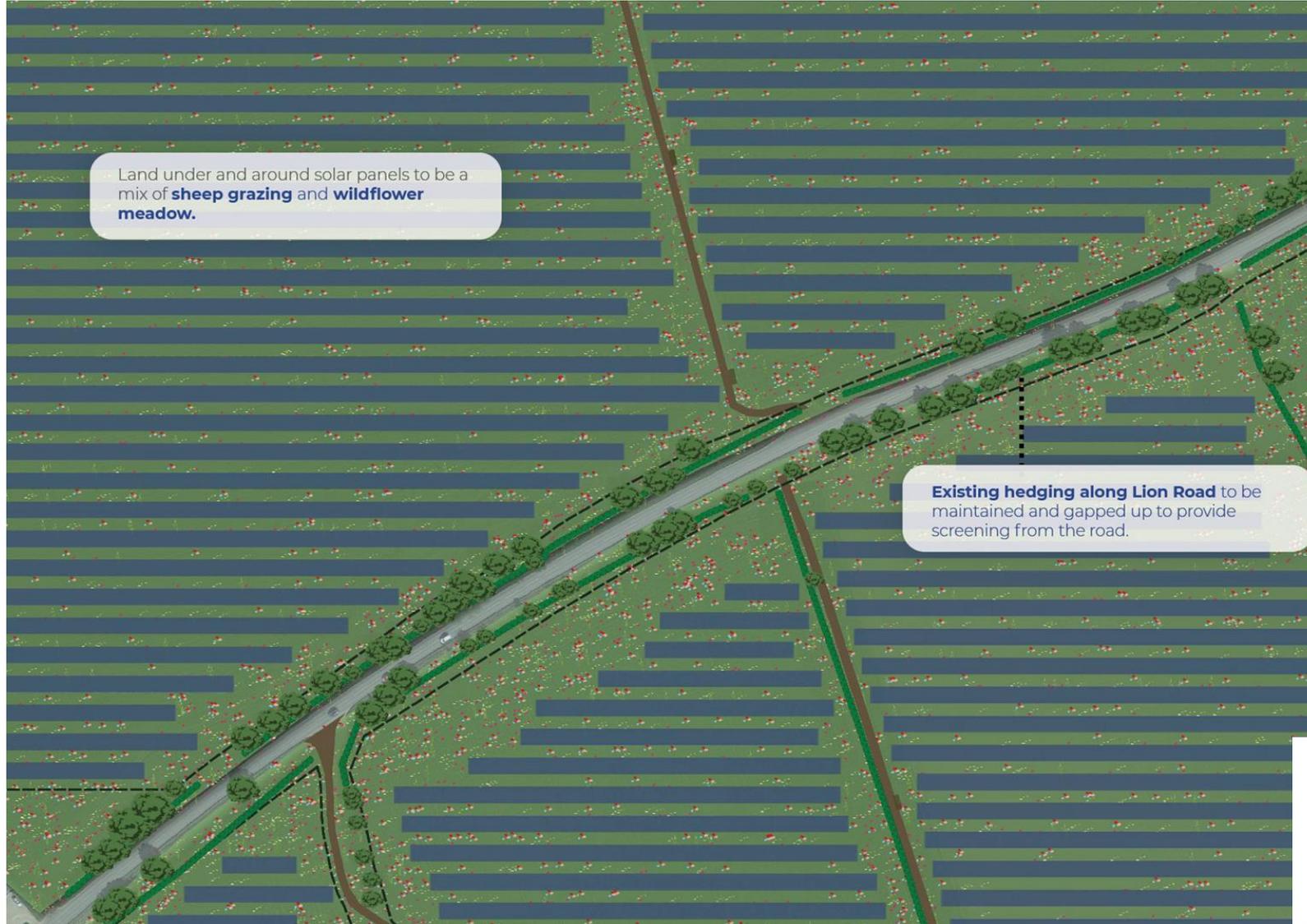


Mitigations and Enhancements



	Security Fence		Capped up Existing Hedges
	Public Right of Way		New Native Hedges
	Solar Panels		Existing Trees
			Wildflower Meadow

Mitigations and Enhancements



Lowland meadows and Pasture

- Increase in habitat by 88% and in hedgerows by 10%
- Lowland meadows are the most common type of species-rich grassland
- And are compatible with solar farms



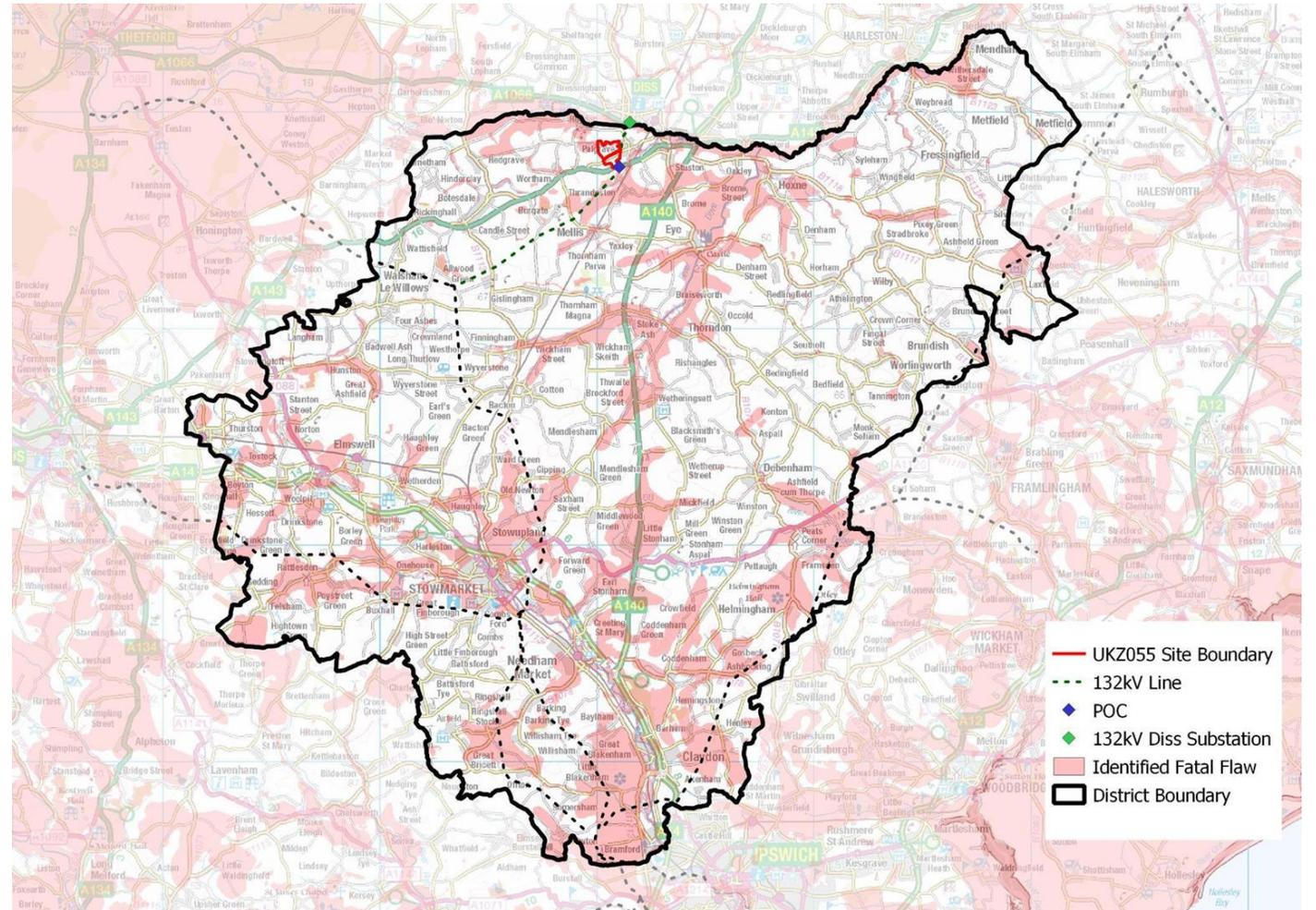
Lowland meadows and Pasture

- Pastures are generally grazed throughout the summer; then shut up in the spring to allow the sward to grow, a hay cut may then be taken before bringing back the livestock to graze the re-growth in late summer
- The grazing of vegetation keeps bulky species in check and allows more delicate species to flourish



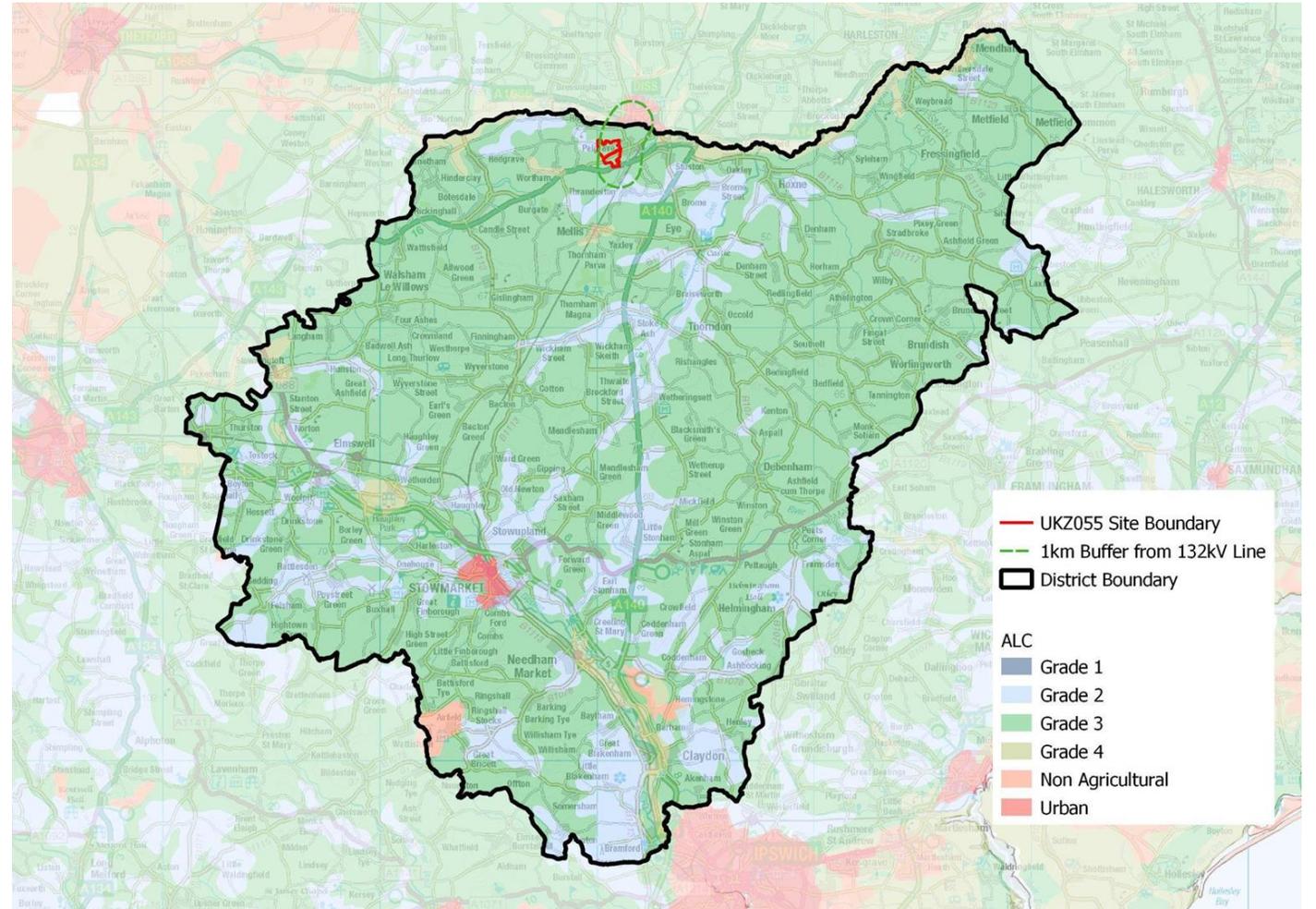
Site finding and use of agricultural land

- No agricultural land will be lost
- Agricultural use supplemented by biodiversity and energy generation
- Extensive site search – Diss to Stowmarket



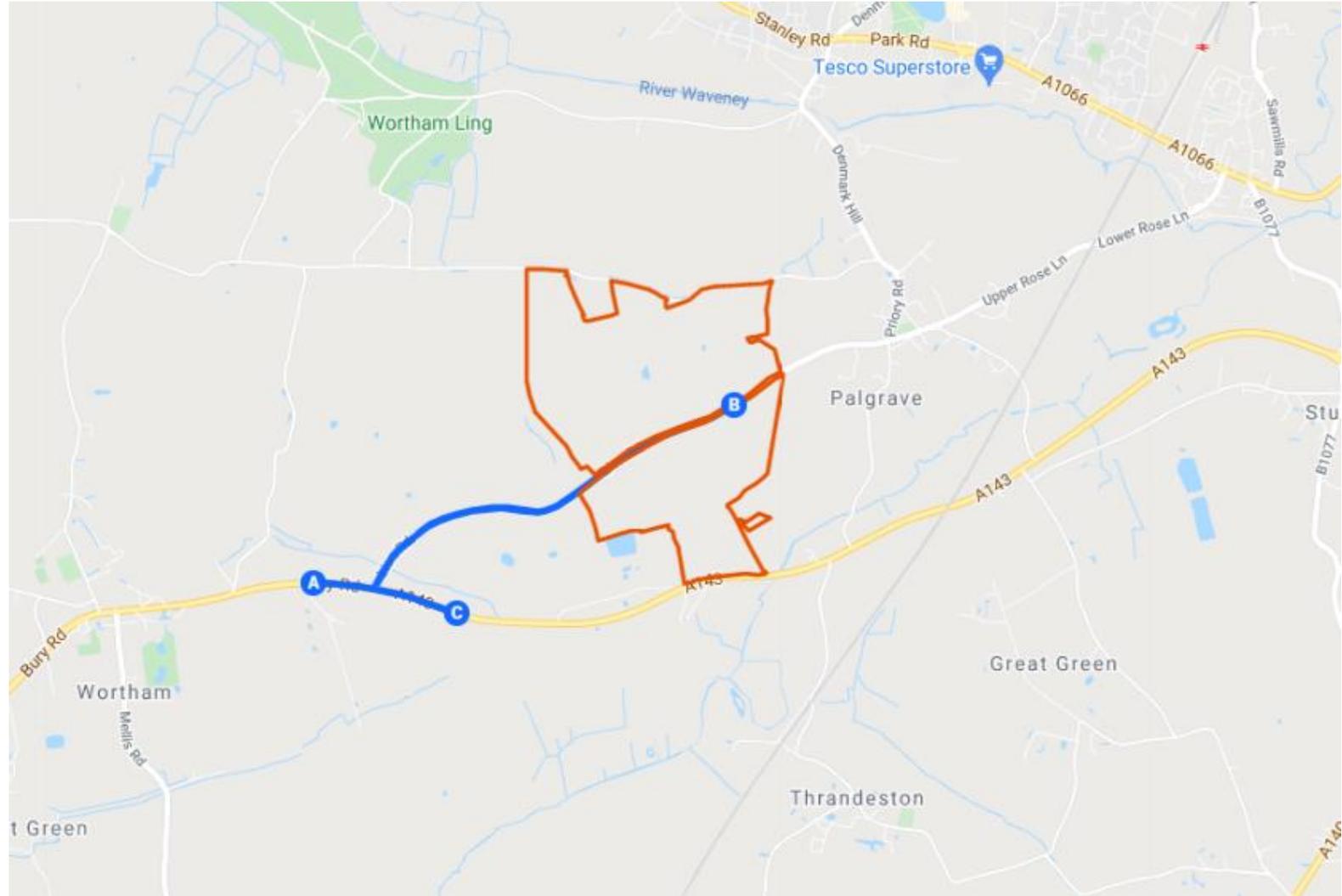
Site finding and use of agricultural land

- Most land in Mid Suffolk is Grade 3 or above



Traffic route

- Traffic can access site without needing to pass through Palgrave
- Construction will last around 35 weeks
- Approximate average of 5 HGV arrivals per day



Access points

- Construction access from Lion Road
- During operation, access directly onto A143 may also be used



PACE Team Experience

Some of our projects:

- Attleborough, Norfolk – 26MW
- Three Bridges, Norfolk – 15 MW
- Burgate, Norfolk – 15MW
- Copley Farm, Lincolnshire – 28MW
- 150MW at pre-application stage, including Tophams, North Herts – 40MW
- Preferred EPC (builder) experience, over 300 projects since 1992 including:
 - 45MW site Zonneakker Voorst, Holland
 - 100MW site Krystal Solar Park B, Belgium, in construction
 - 50MW site in the UK, shortly entering construction

Next steps

- Public consultation
- Finalise the surveys, site layout and enhancement measures
- Submit the planning application to Mid Suffolk – Autumn 2021
- Statutory consultation – Autumn-Winter 2021
- Planning committee – Spring 2022a
- If successful, start on site 2022

