

## The Great Grid Upgrade

Chesterfield to Willington

# Stage 1 consultation feedback form

May – September 2024

## Overview

National Grid Electricity Transmission (NGET) is consulting on proposals to build approximately 60 kilometres (km) of new 400 kilovolt (kV) overhead electricity line between a new substation at Chesterfield and the existing Willington substation.

The Chesterfield to Willington project will support the UK's net zero target by adding capacity to accommodate increasing power flows of energy

generated mostly from offshore wind, in Scotland and North East England, which are expected to double within the next ten years, to areas of demand south to the Midlands and beyond. By reinforcing the network in the centre of the country, the project will facilitate the connection of more renewable and low carbon electricity, to allow clean green energy to be carried around the network.

## Your feedback

**We are seeking your views on our current proposals. Your feedback will play an important role in helping us to develop and refine our plans. The feedback we receive at this first stage of consultation, along with outputs from technical assessments and environmental surveys, will shape the development of our proposals for Chesterfield to Willington.**

Following this stage of consultation, we will provide an update to outline the key themes raised in the feedback we have received, along with our responses. We will present updated proposals for the Chesterfield to Willington project during our next stage of consultation. Following further development and finalisation of detailed proposals, we will submit our Development Consent Order application to the Planning Inspectorate. This will include a Consultation Report to show how we have had regard to the feedback we have received.

You can provide feedback during this Stage 1 consultation by completing this feedback form or you can complete it online at [nationalgrid.com/chesterfieldtowillington](https://nationalgrid.com/chesterfieldtowillington).

You are welcome to answer all or only some of the questions, depending on the issues that are most important to you. There is also an opportunity to comment generally on the project and this consultation.

Send your completed feedback form at no cost by 17 September 2024 to **FREEPOST NATIONAL GRID PROJECTS (JBP)**

[View all Stage 1 consultation information](#)

Scan the QR code to be directed to our website. Here you can view all consultation materials and our interactive map which may help inform your feedback.



## About You

Title:  First name:

Surname:

Organisation/group (if responding on behalf of organisation):

Address:

Postcode:

Email address:

Please tick here if you would like us to keep you updated about our proposals via email

### How would you describe your interest in Chesterfield to Willington?

- Local resident
- Local representative (e.g. Councillor, MP)
- Landowner or tenant/occupier within the preferred corridor
- Local business owner
- Regular visitor
- Local interest group member (if so, please provide group name)
- Statutory organisation (please specify in the text box below)
- Other (please specify)

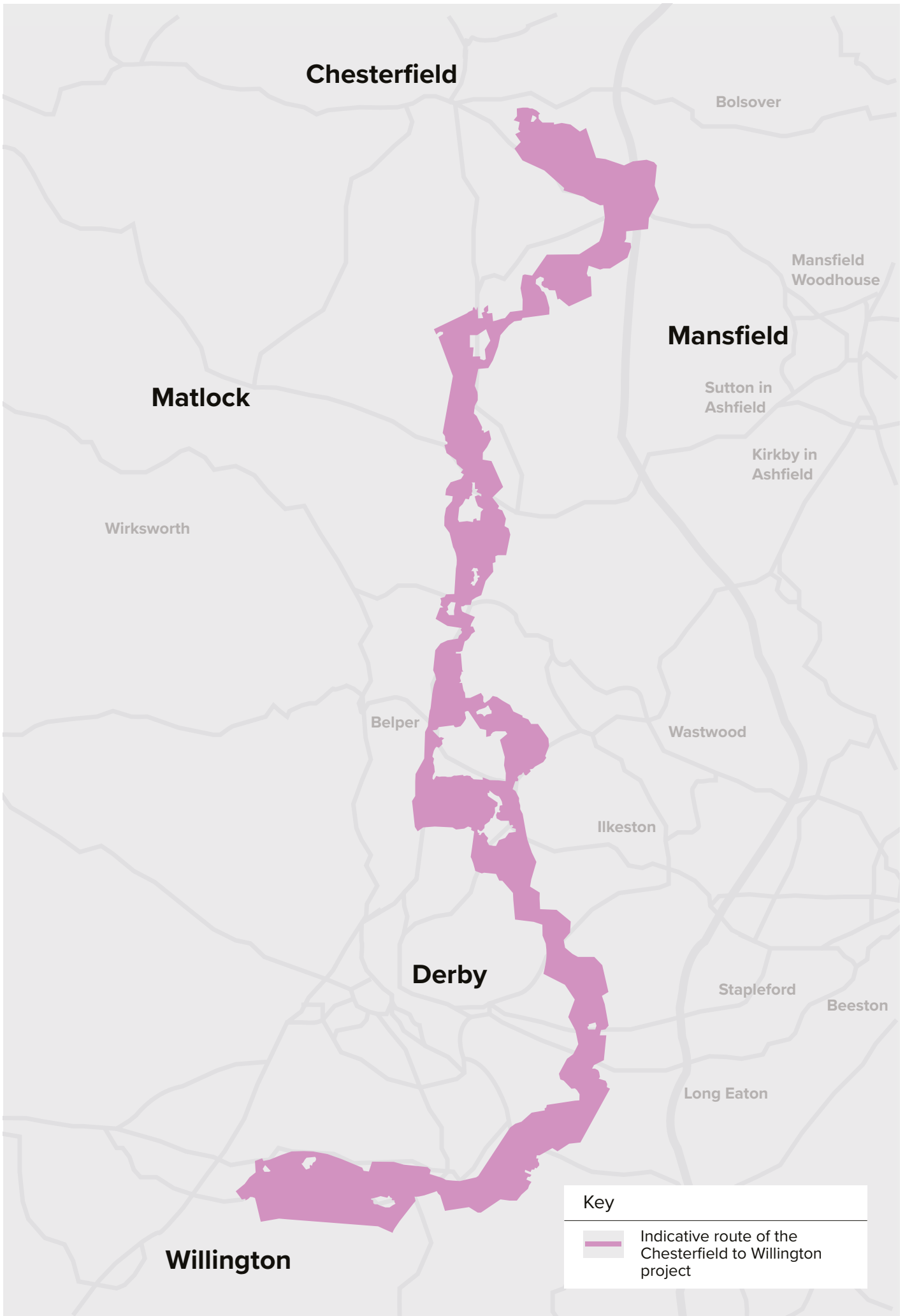
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## 1. Connecting at Chesterfield and Willington

Our preferred strategic option presents Chesterfield and Willington as our substation connection points for the proposed new overhead line. We evaluated several potential options that could provide additional transmission capability. Our Strategic Options Report (SOR) explains in detail how we have considered a range of technical, environmental, community, programme and cost factors to determine the most suitable strategic connection point options to take forward. This report can be accessed at [nationalgrid.com/chesterfieldtowillington](https://nationalgrid.com/chesterfieldtowillington).

Refer to the indicative map on page 3 to see the Chesterfield and Willington connection locations.

### 1a) Do you have any comments to make on our work to identify our preferred strategic option?



## Emerging Preferred Corridor and graduated swathe

The Emerging Preferred Corridor is the proposed area within which the proposed infrastructure could be located between the connection substations. We initially identified and appraised eight corridor options.

The Emerging Preferred Corridor, as presented at this stage of consultation, was ultimately selected having sought to, as far as is reasonably practicable, avoid potential impacts to community value areas and find a more direct path where possible.

Following the selection of the Emerging Preferred Corridor, we produced a graduated swathe which is indicated by the shaded areas within the corridor. This shows where the transmission system (overhead electricity line and pylons) could be situated when taking into account environmental factors and constraints. Darker shades signify where infrastructure placement could potentially be more appropriate within the corridor. Further information on how to interpret the graduated swathe is included in our Project Background Document and Corridor and Preliminary Routeing and Siting Study (CPRSS).

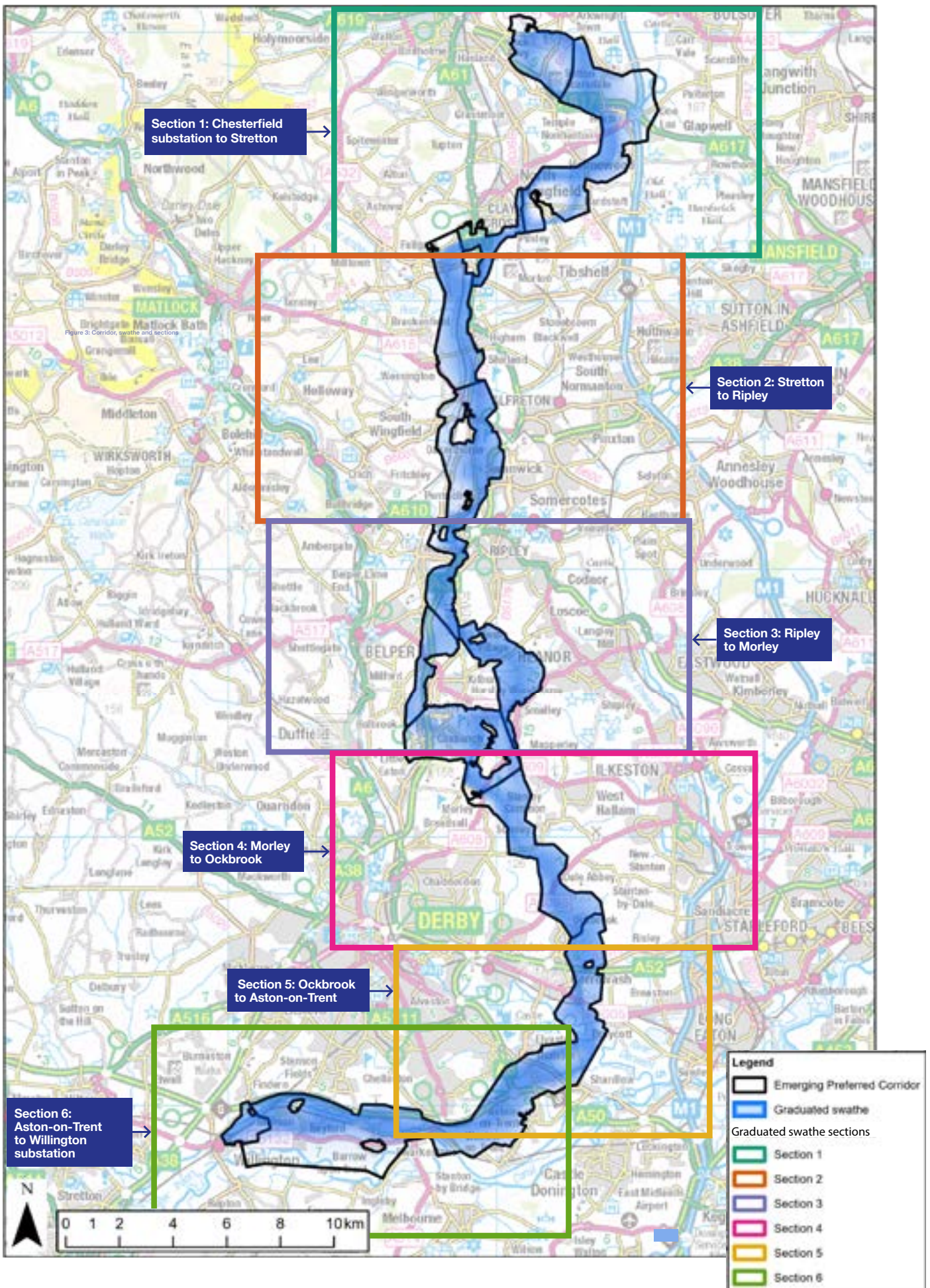
We will bring forward more detailed proposals for further consultation. For now, we would like to hear your thoughts about our Emerging Preferred Corridor, the graduated swathe and anything else you would like us to consider.

To help provide feedback on the area or areas that are most relevant to you, we have divided the corridor into six sections.

These sections are labelled on the map on opposite, with detailed information available in our wider materials on our website: [nationalgrid.com/chesterfieldtowillington](https://nationalgrid.com/chesterfieldtowillington).

**Please review our plans and areas of interest to you, and refer to specific locations in your feedback, where possible.**





## 2. The Emerging Preferred Corridor

Scan the QR code to be directed to our website to find out more information.



The Emerging Preferred Corridor is indicated by the black line boundary and outlines the proposed area within which the transmission system (overhead electricity line and pylons) could be routed.

We considered and assessed several options to select a corridor between Chesterfield and Willington.

### 2a) Do you agree with the Emerging Preferred Corridor that has been identified for each section of the proposed route?

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree
<b>Section 1:</b> Chesterfield substation to Stretton	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Section 2:</b> Stretton to Ripley	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Section 3:</b> Ripley to Morley	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Section 4:</b> Morley to Ockbrook	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Section 5:</b> Ockbrook to Aston-on-Trent	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Section 6:</b> Aston-on-Trent to Willington substation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### 2b) Please tell us the reason for your answer. Please also use this box to provide any comments you might have about the work we have done to identify our Emerging Preferred Corridor.

If your feedback relates to a specific location, or any features we should look to avoid, please reference this here.

### 3. The graduated swathe

Scan the QR code to be directed to our website to find out more information.



The shaded areas within the Emerging Preferred Corridor show where the transmission system (overhead electricity line and pylons) could be situated when taking into account environmental factors and constraints. Darker shaded areas signify where infrastructure placement could potentially be more appropriate within the corridor. The shaded area is referenced throughout this document as the 'graduated swathe' or 'swathe'.

The corridor and swathe within it, has been split into six sections to make it easier for you to give feedback about any particular areas that you wish to comment on. The following questions are broken down into the relevant six sections as below:

- **Section 1: Chesterfield substation to Stretton**
- **Section 2: Stretton to Ripley**
- **Section 3: Ripley to Morley**
- **Section 4: Morley to Ockbrook**
- **Section 5: Ockbrook to Aston-on-Trent**
- **Section 6: Aston-on-Trent to Willington substation**

We welcome your comments on all sections. There are several instances along our Emerging Preferred Corridor where we are considering different options for the potential routeing of the proposed new overhead line. These locations are listed below. We would appreciate your views to help us with the next stage of development of our plans for Chesterfield to Willington.



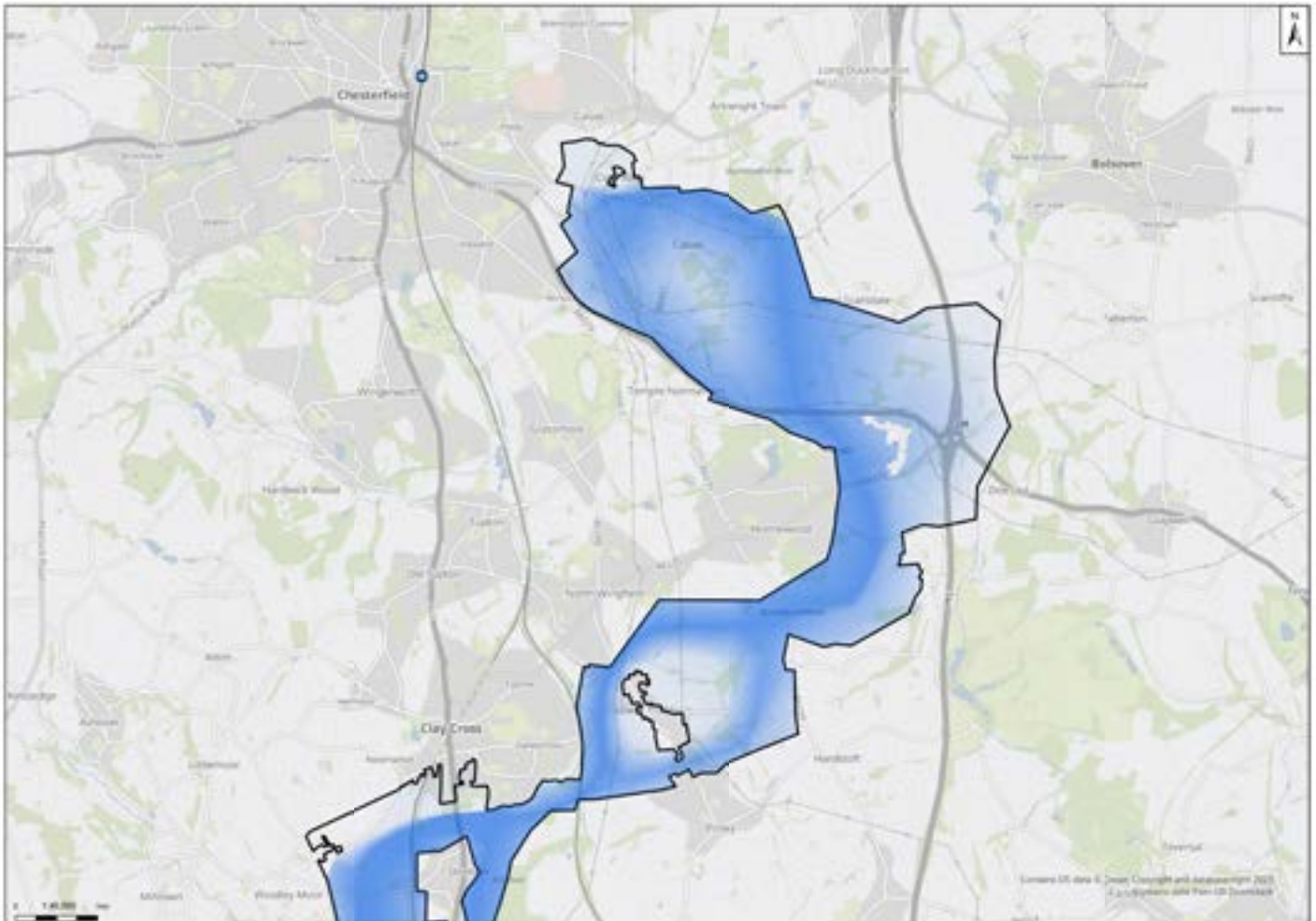
## Section 1: Chesterfield substation to Stretton

Scan the QR code to be directed to our website to find out more information.



From Chesterfield substation, there are two potential paths of preference either north of Calow towards Sutton Scarsdale which broadly follows existing 132 kV overhead lines or south of Calow towards the A617 road. The M1 motorway linear corridor increases the length of line required whilst between Holmewood and Heath offers the shortest, straightest path, while seeking to avoid a number of listed buildings, areas of ancient woodland and the Heath Village Conservation Area.

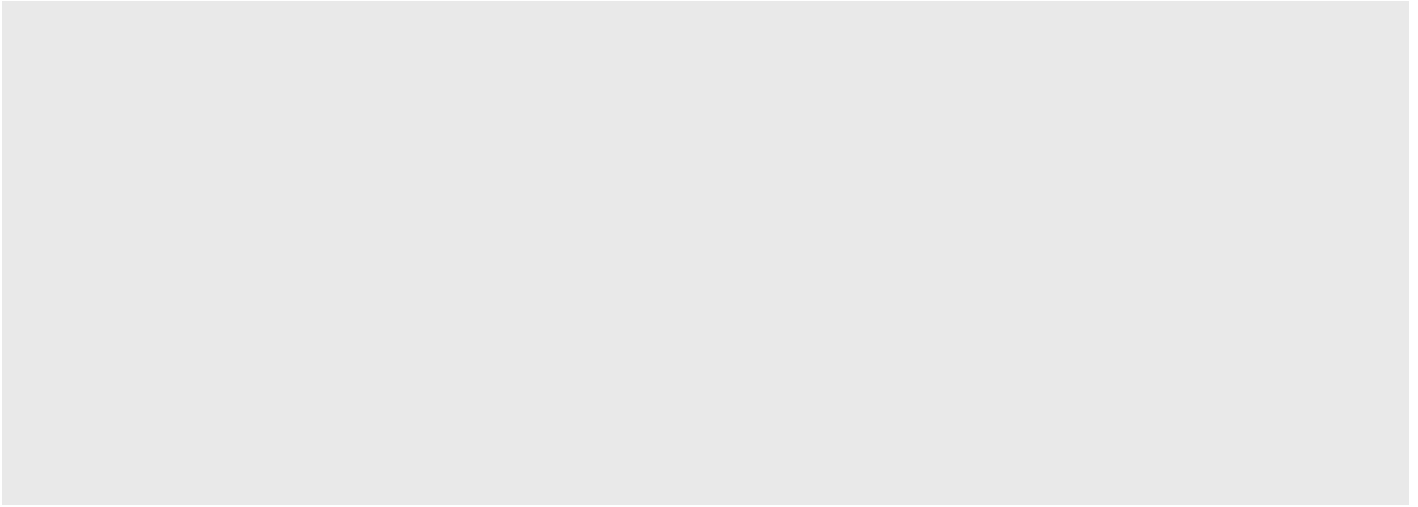
Moving further west, potential paths are available north or south of Lower Pilsley with preference shown to the north reflecting the presence of community amenities and ancient woodland towards the south.



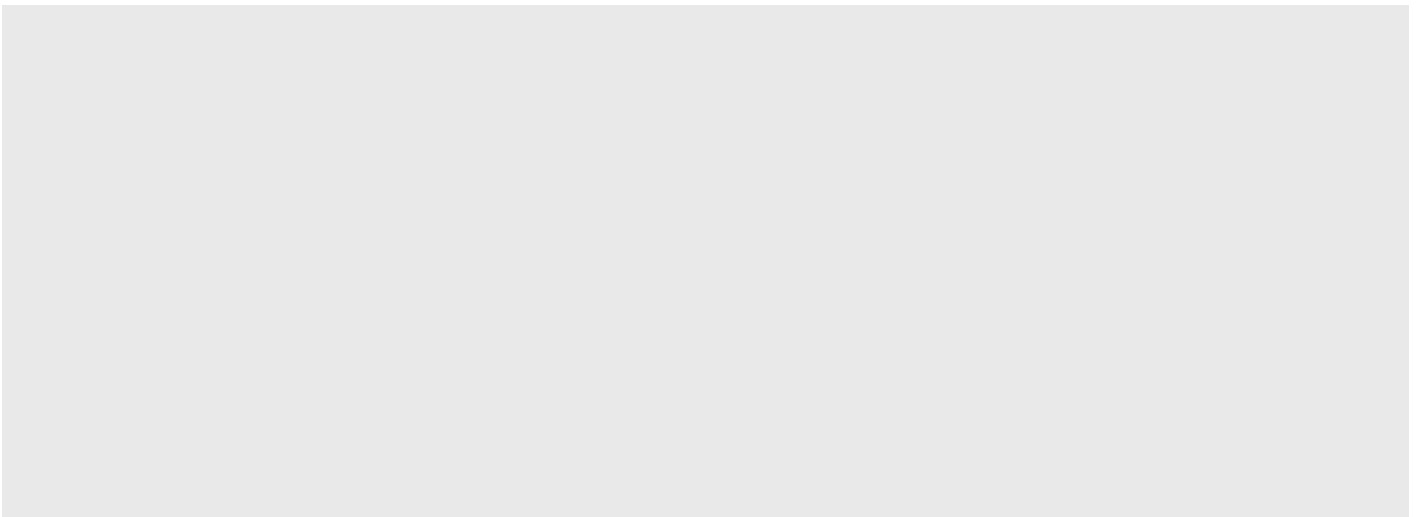
Section 1 of the Emerging Preferred Corridor



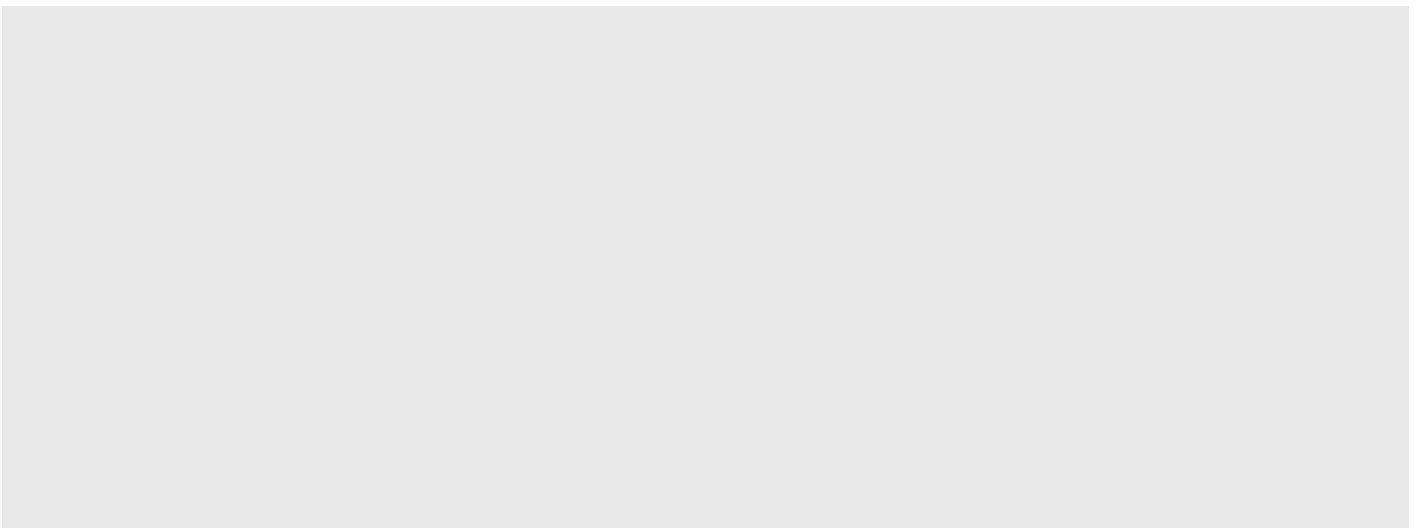
**3a) Do you have a preference for the new line to be located north or south of Calow? Please explain the reason(s) for your preference.**



**3b) Do you have a preference to then follow the M1 or to take a shorter, straighter path between Holmewood and Heath? Please explain the reason(s) for your preference.**



**3c) Do you have a preference for it then to go north or south of Lower Pilsley? Please explain the reason(s) for your preference.**



## Section 2: Stretton to Ripley

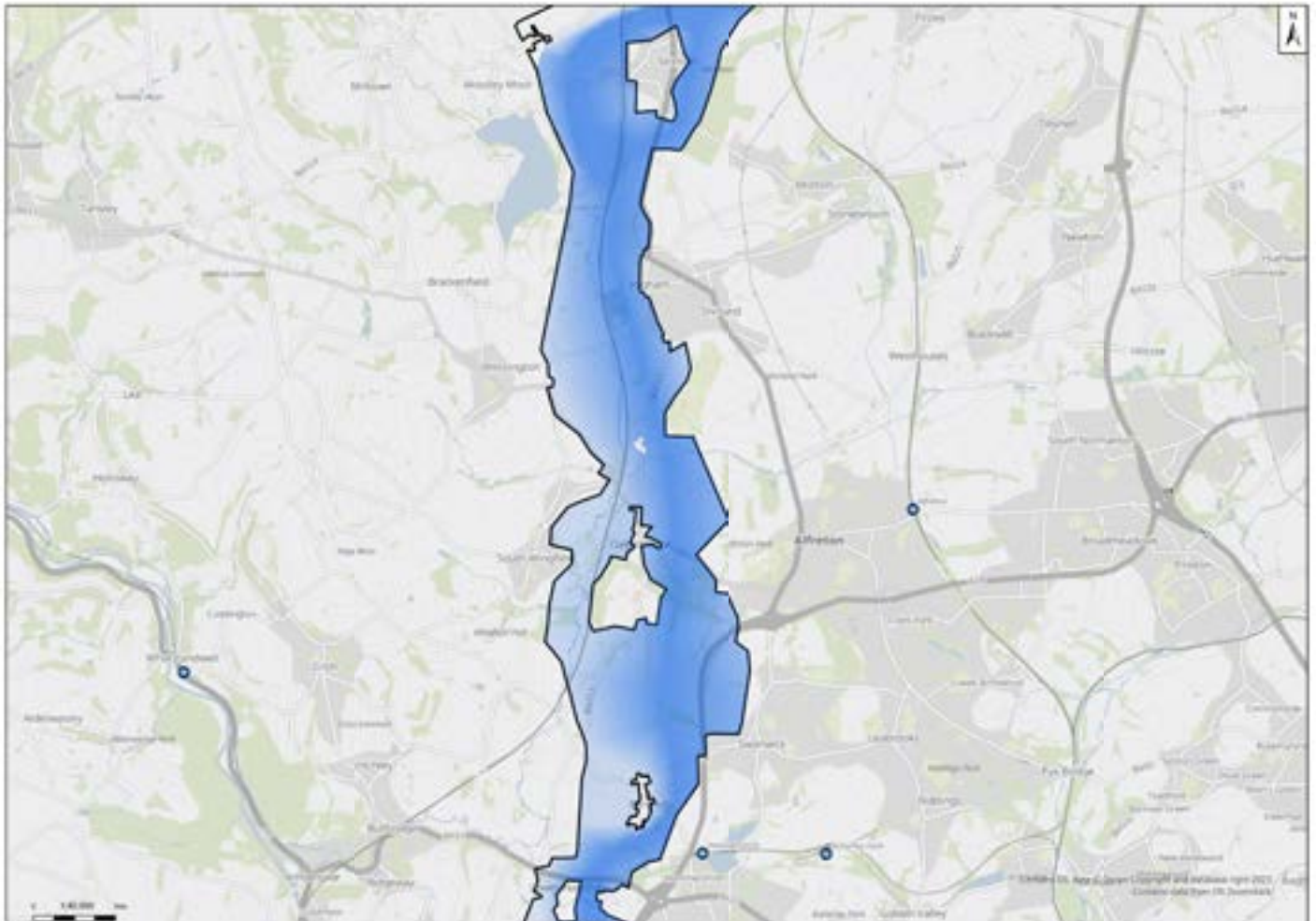
Scan the QR code to be directed to our website to find out more information.



The graduated swathe shows a potential path east of Stretton which would offer a more direct route than to the west and avoid the need to cross the River Amber and railway line as the corridor travels south towards Oakerthorpe. To the west of Stretton, crossing the River Amber may also be avoided but the railway line would require crossing twice.

The corridor presents potential paths either side of Oakerthorpe. To the west where the swathe is lighter, there are a number of features including the presence of Flood Zones 2 and 3 associated with the River Amber, as well as South Wingfield Conservation Area and Castle Hill monument, all of which would likely need to cross. A preference is therefore given for the eastern arm, which would require crossing Alfreton Golf Club but offers the potential to avoid Oakerthorpe Local Nature Reserve through appropriate routeing.

Around Pentrich and Lower Hartshay options are shown to the east and west of both settlements, and a preference indicates a preference to the east by the darker swathe as this provides the most direct route.



Section 2 of the Emerging Preferred Corridor

**3d) Do you have a preference for it to go east or west of Stretton? Please explain the reason(s) for your preference.**

A large, empty, light grey rectangular area intended for the respondent to provide their answer to question 3d.

**3e) Do you have a preference for it to the west or east of Oakerthorpe? Please explain the reason(s) for your preference.**

A large, empty, light grey rectangular area intended for the respondent to provide their answer to question 3e.

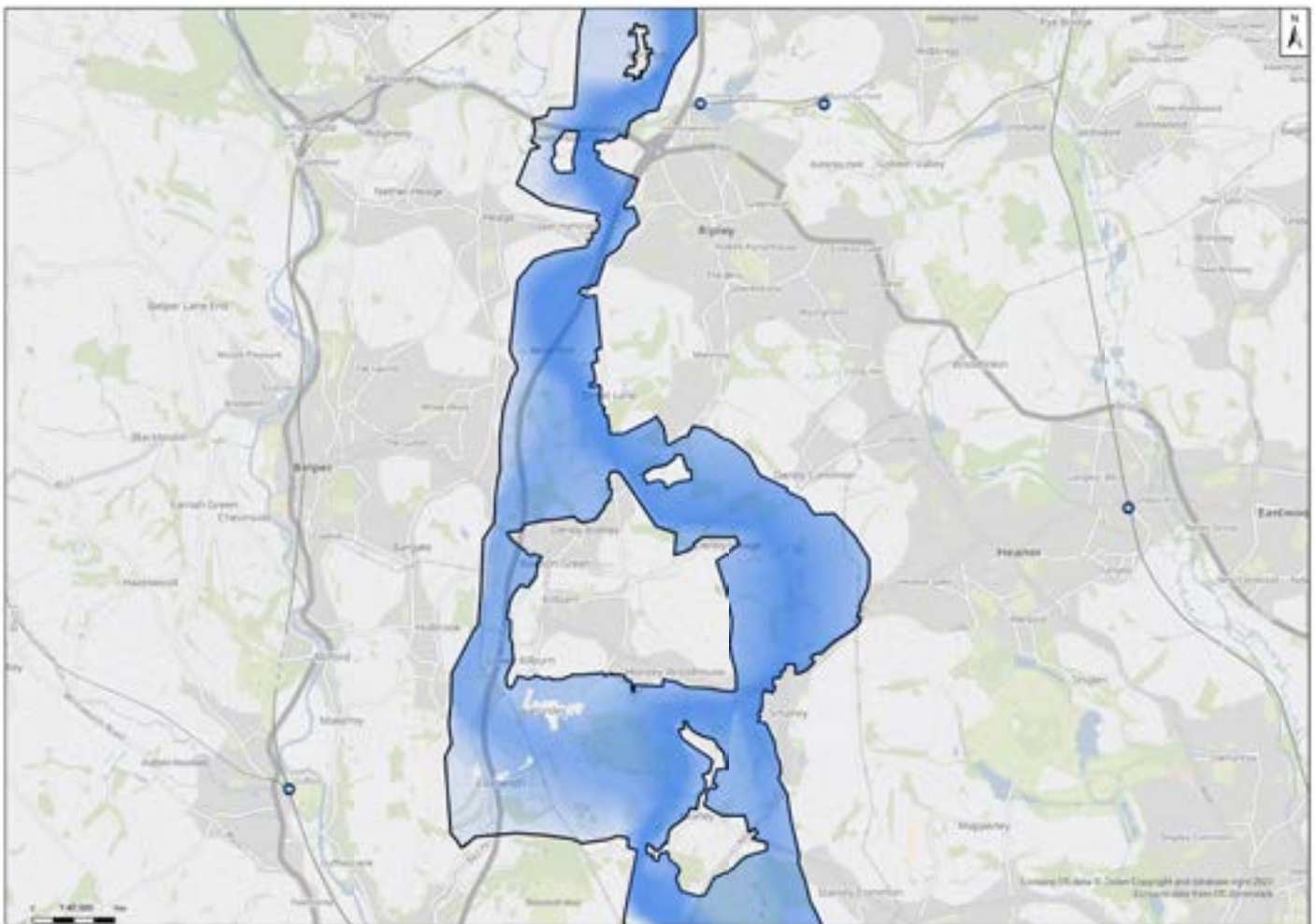
## Section 3: Ripley to Morley

Scan the QR code to be directed to our website to find out more information.



The corridor widens and splits as it navigates east or west around Denby Bottles, Denby Village, Rawson Green, Kilburn, Lower Kilburn and Horsley Woodhouse. On the western arm, the A38 road continues to provide a potential linear corridor. However existing features on the west including Flood Zones 2 and 3, Horsley and Coxbench Conservation Areas and Horsley Castle have resulted in a preference indicated along the eastern arm instead.

Where the corridor reconnects, a preference is shown for a pathway west of Morley, which through appropriate routing could avoid Horsley Lodge Golf Course and Morley Brick Pits Sites of Special Scientific Interest (SSSI) to the south.



Section 3 of the Emerging Preferred Corridor

**3f) Do you have a preference for it to go east or west of Denby Bottles, Denby Village, Rawson Green, Kilburn, Lower Kilburn and Horsley Woodhouse? Please explain the reason(s) for your preference.**

A large, empty, light grey rectangular area intended for the respondent to provide their answer to question 3f.

**3g) Do you have a preference for it to go to the west or east of Morley? Please explain the reason(s) for your preference.**

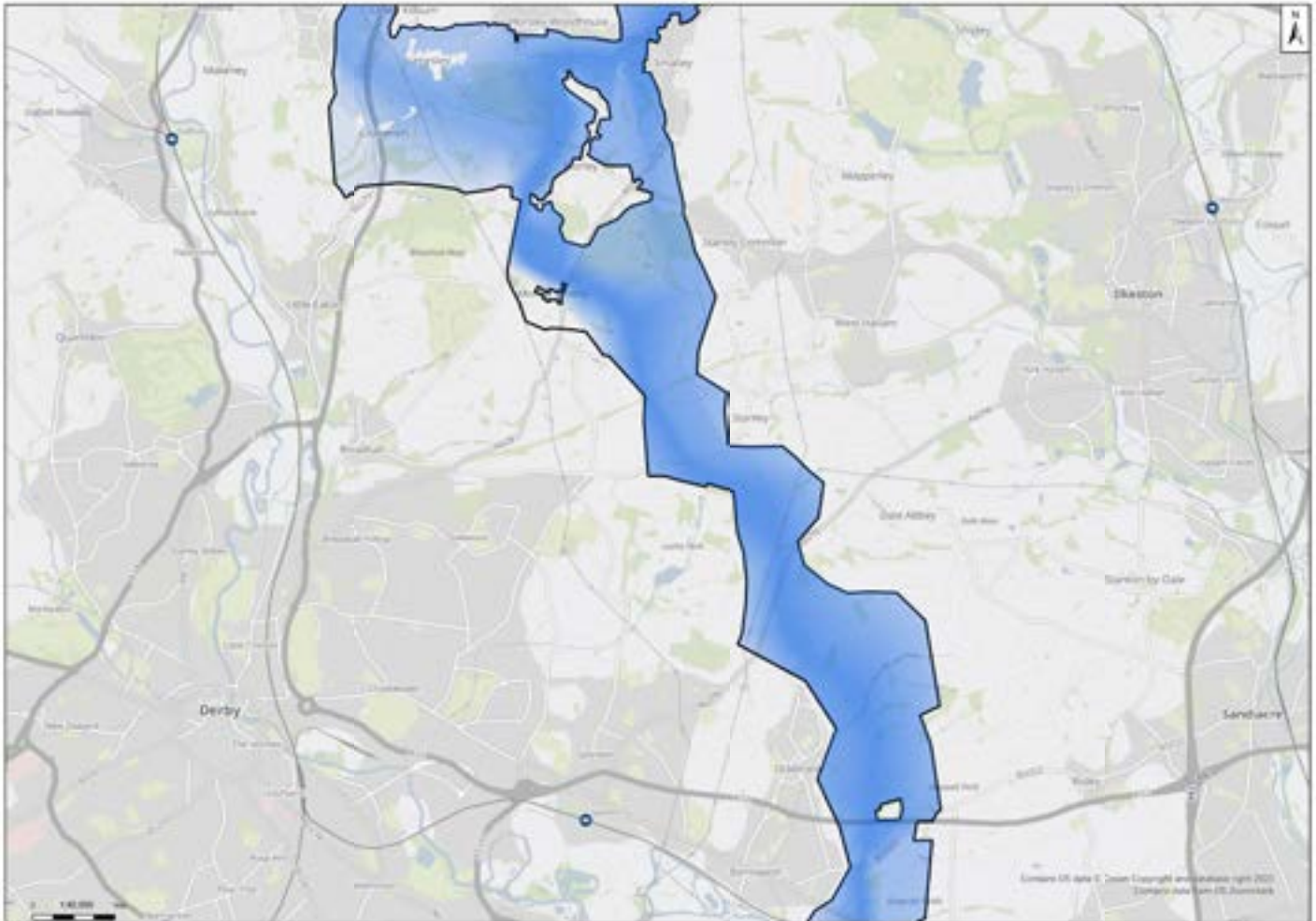
A large, empty, light grey rectangular area intended for the respondent to provide their answer to question 3g.

## Section 4: Morley to Ockbrook

Scan the QR code to be directed to our website to find out more information.

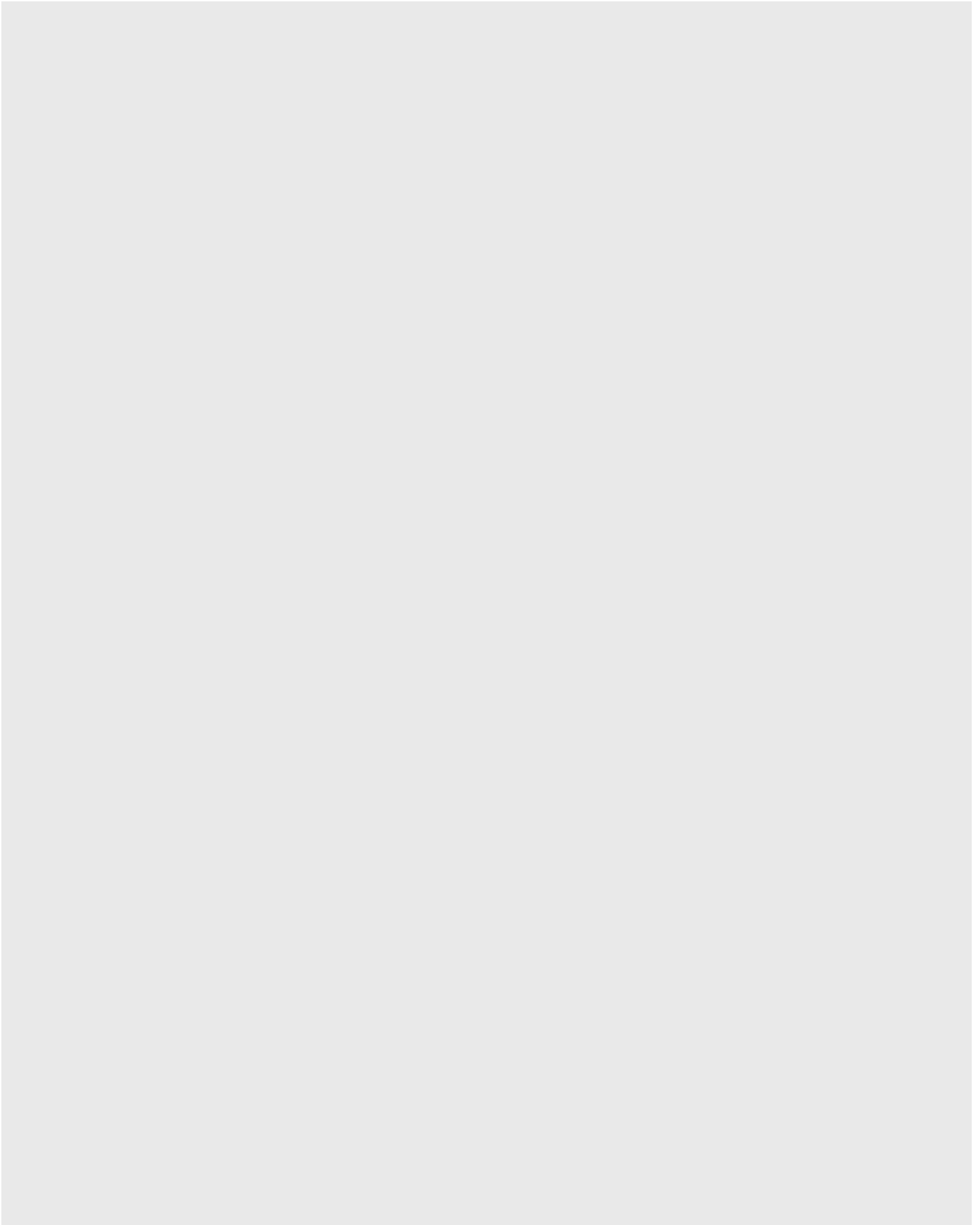


Here the corridor consists of a relatively unconstrained area with a preference shown for a more direct path which seeks to avoid features. Preference is shown along the western edge of the corridor towards Ockbrook to maintain a direct path while avoiding ancient woodland and retaining sufficient distance from the village.



Section 4 of the Emerging Preferred Corridor

**3h) Do you have any comments about this section of the route?**



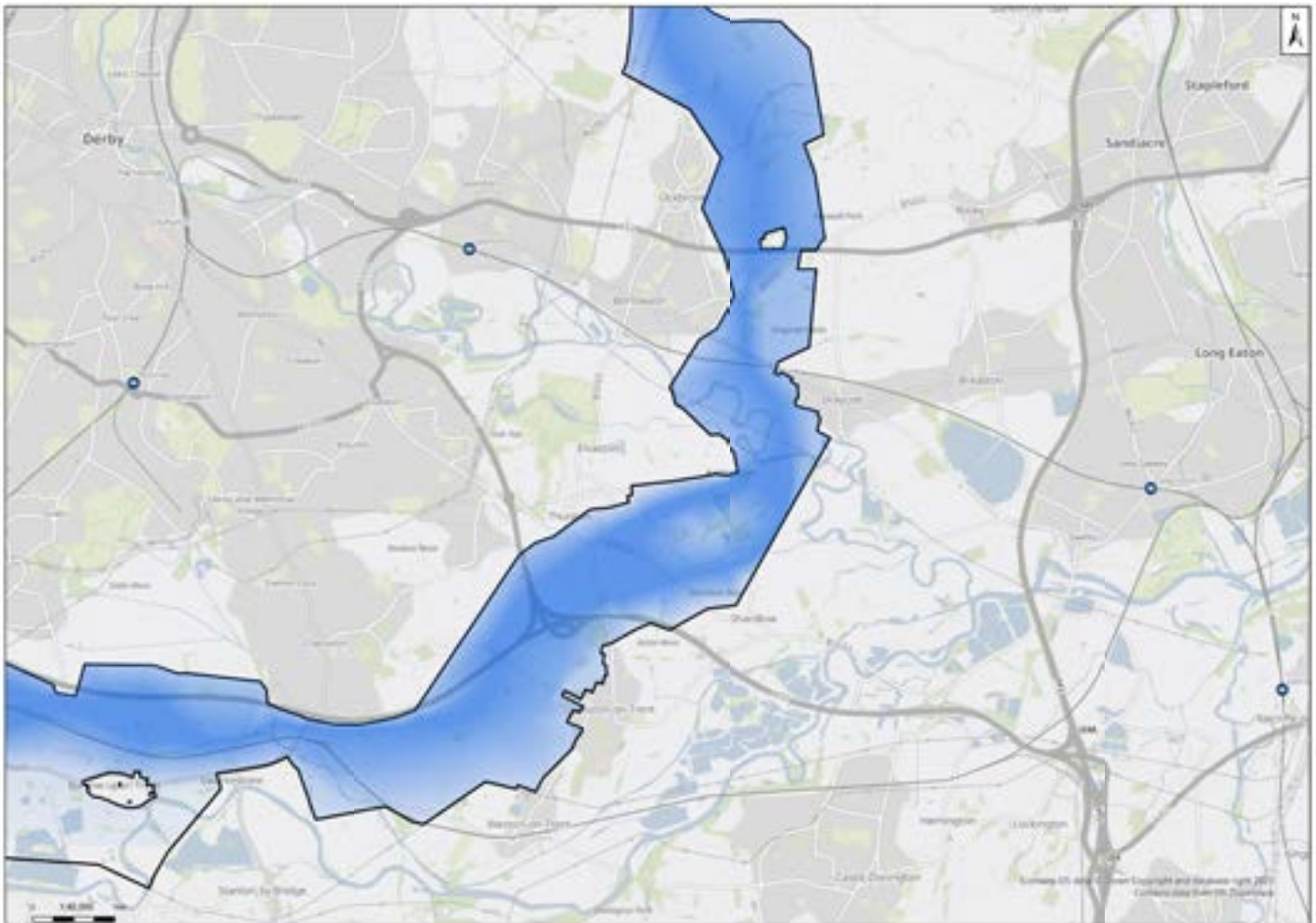
## Section 5: Ockbrook to Aston-on-Trent

Scan the QR code to be directed to our website to find out more information.



The River Derwent and associated Flood Zones 2 and 3 are unavoidable in this section. Preference is shown to the east where it may be possible to avoid potential multiple crossings of the river while also maintaining a distance from Draycott.

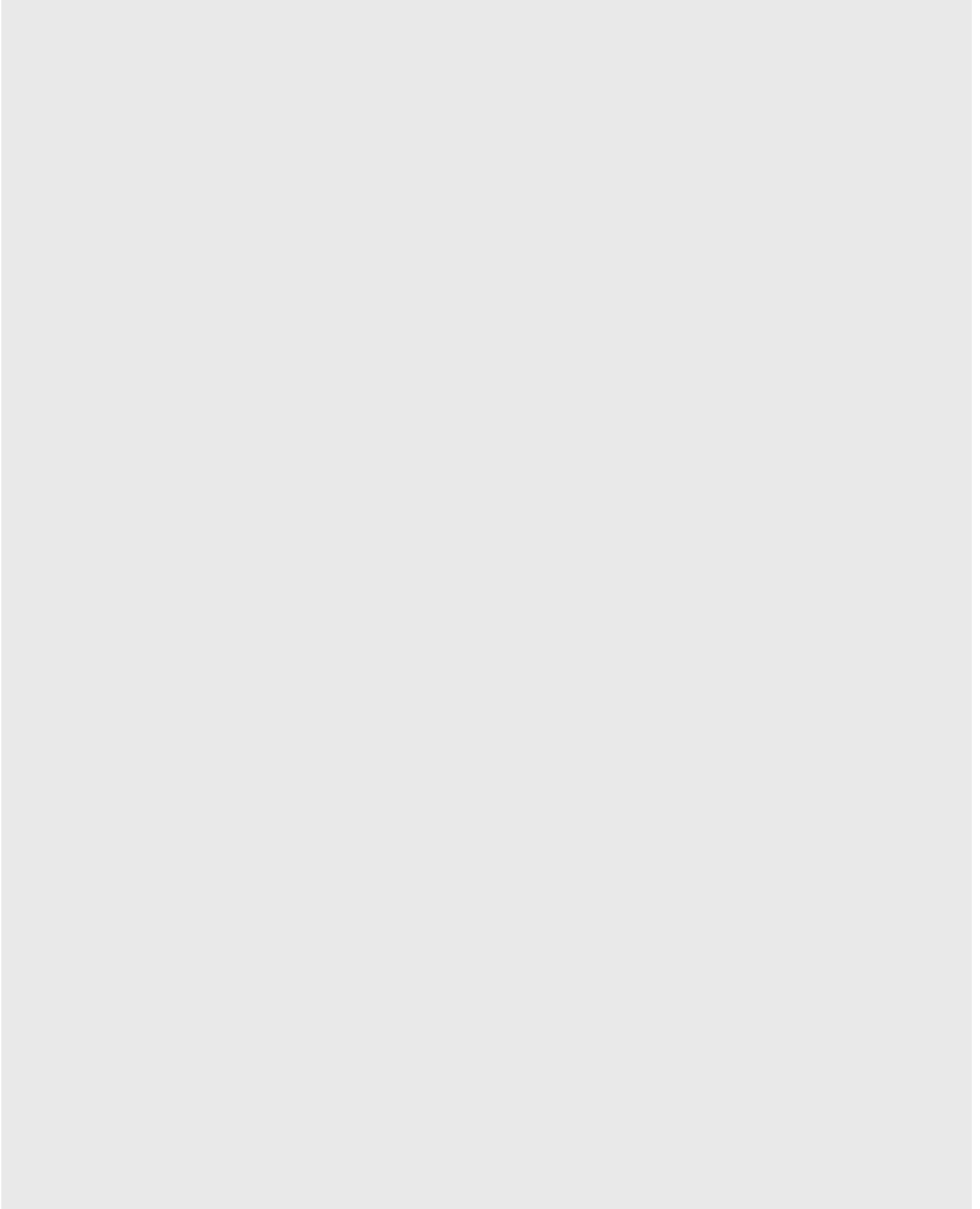
The graduated swathe indicates a relatively wide area to cross the A50/A6 road network junction north of Aston-on-Trent, while seeking to avoid landmarks such as Elvaston Castle Country Park which are outside of the northern edge of the corridor.



Section 5 of the Emerging Preferred Corridor



**3i) Do you have any comments about this section of the route?**



## Section 6: Aston-on-Trent to Willington substation

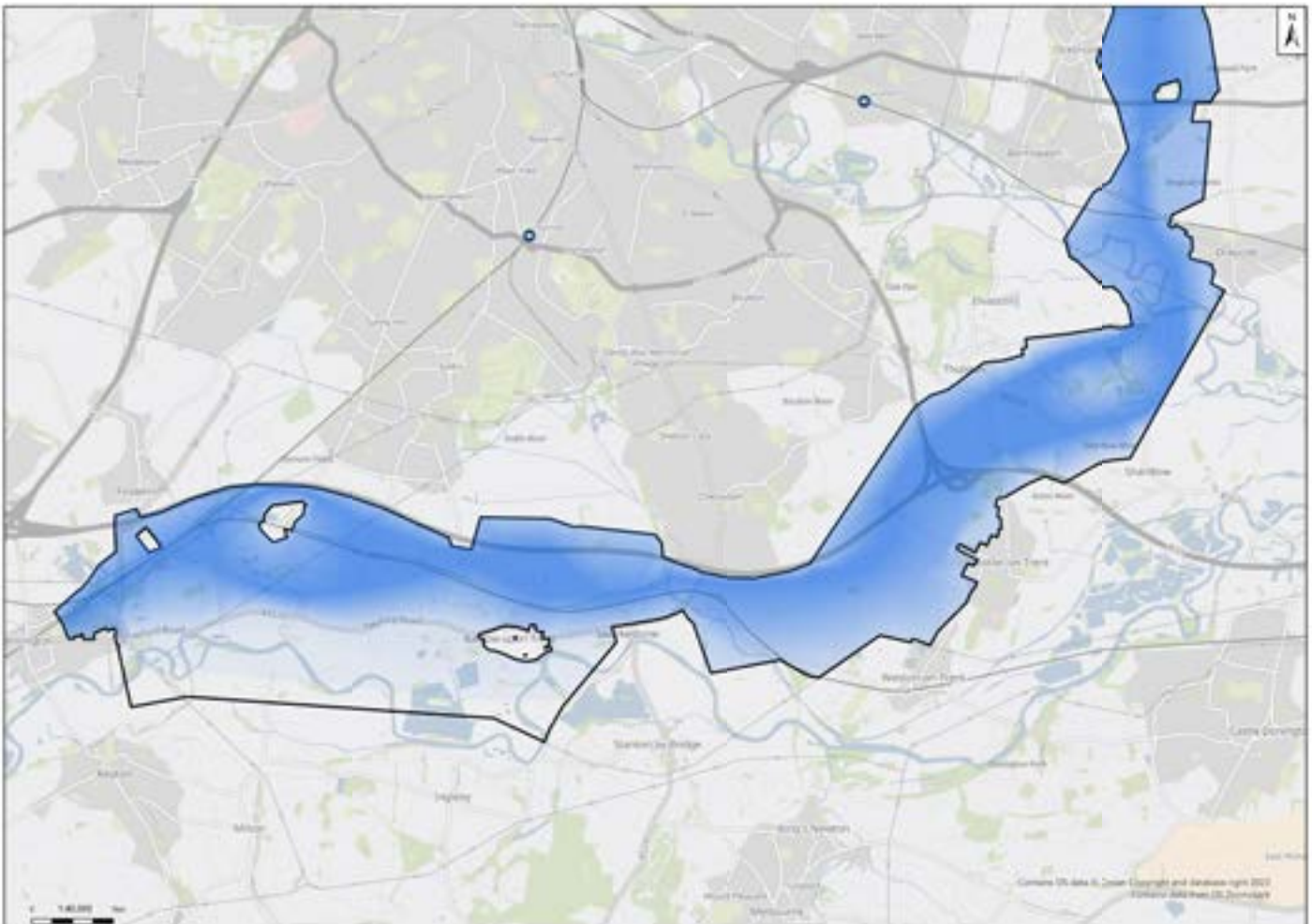
Scan the QR code to be directed to our website to find out more information.



Travelling from Aston-on-Trent towards Swarkestone and onto Willington substation, a preference is shown along the north of the corridor which provides a more direct path between Chellaston and Swarkestone, seeking to avoid the Trent and Mersey Canal and associated Conservation Area together with the railway line.

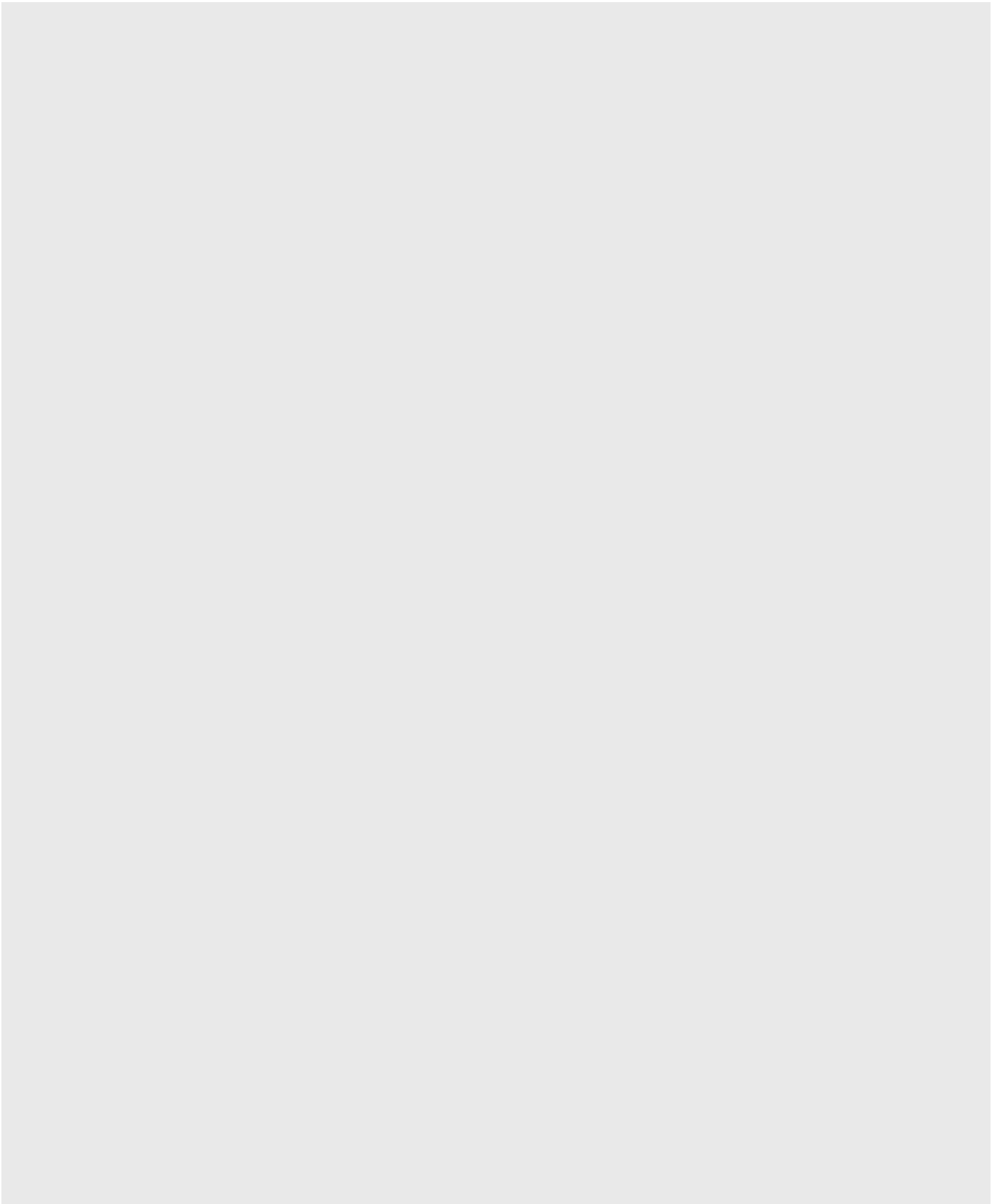
It will be important to minimise crossings over the Trent and Mersey Canal and its associated Conservation Area together with the railway line. The swathe indicates a relatively wide area in which we may identify an appropriate crossing.

Two existing 400 kV overhead lines enter Willington substation from the south and to establish a path here would require substantial work. Entering north of the substation is also constrained by the former power station site, railway line and five 132 kV overhead lines.



Section 6 of the Emerging Preferred Corridor

**3j) Do you have any preference for the overhead lines entering the substation from the south or the north? Please explain the reason(s) for your preference.**



## 4. Associated works and other aspects

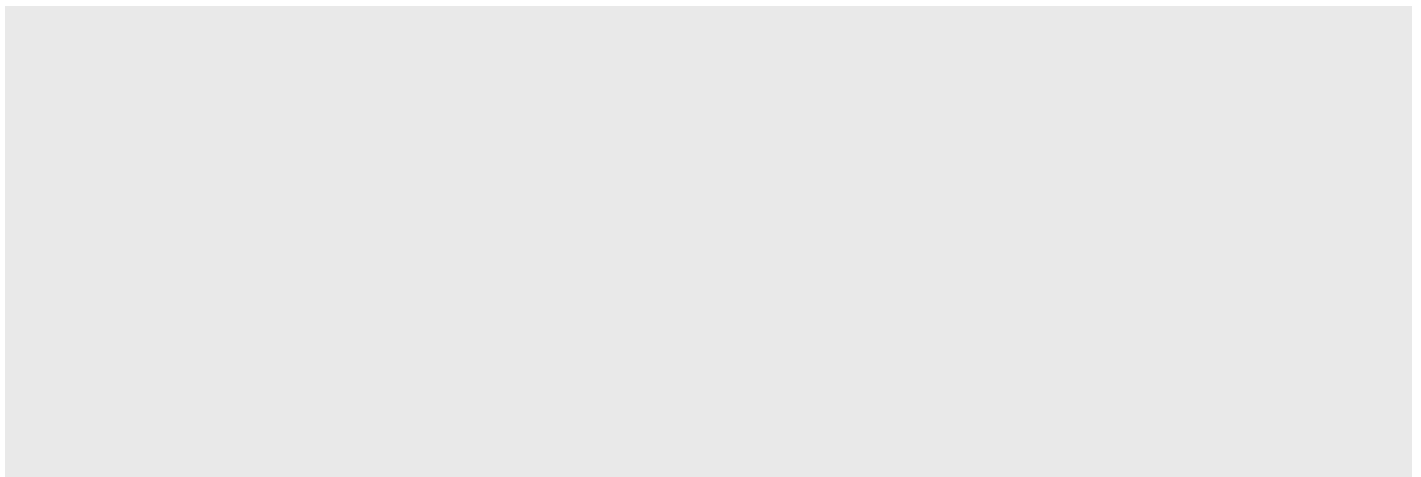
Alongside the proposed new overhead electricity line, additional land will also be required to build and reduce the potential impacts of the proposed reinforcement. These include, but are not limited to, the following:

Modifications to the wider transmission system and local electricity distribution networks operated by NGET and National Grid Electricity Distribution Plc (NGED) would be required to facilitate construction of the new transmission connection where it crosses existing lower voltage overhead lines. At these locations it may be more cost-effective and have reduced environmental impacts to permanently divert or replace a length of the lower voltage overhead lines with underground cables.

Land required for mitigation, compensation and enhancement of the environment because of the environmental assessment process and Biodiversity Net Gain. Details about those aspects are still to be developed. More information will be provided in a further round of consultation.

### **4a) Do you have any general comments about these aspects at this stage that you would like us to consider?**

If your feedback relates to a specific location, or any features we should look to avoid, please reference this here.

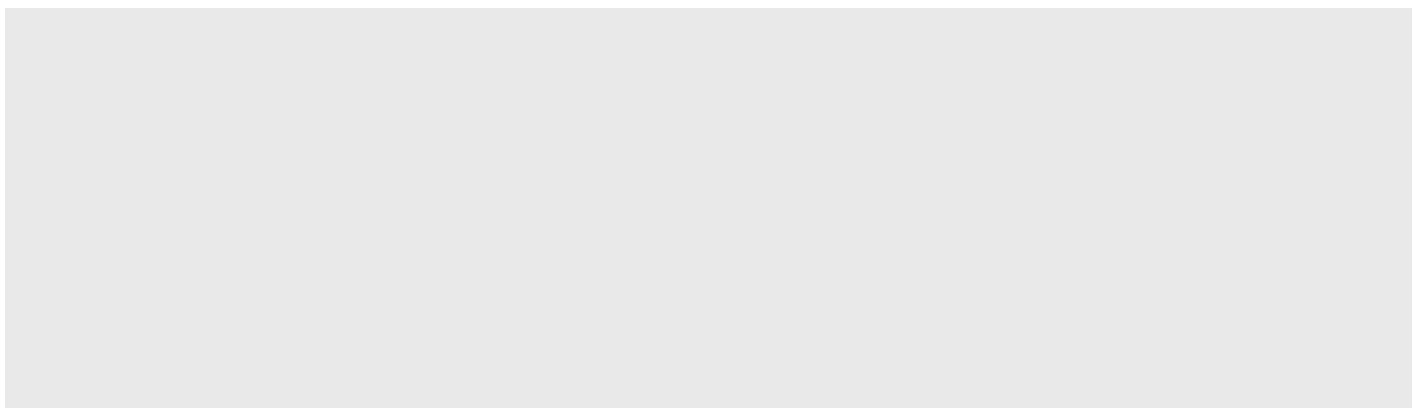


## 5. Refining our proposals

Alongside reviewing and considering consultation feedback, we will carry out further assessments to help us decide where we could locate new infrastructure within the Emerging Preferred Corridor and graduated swathe.

### **5a) Is there anything we could do to reduce the effects of a new overhead line?**

If your feedback relates to a specific location, or any features we should look to avoid, please reference this here.



**5b) Are there any other considerations we should consider when developing our proposals?**

National Grid Electricity Transmission has a Community Grant Fund available to charitable and not-for-profit organisations to apply for funding for community-based initiatives in locations where our works are taking place. You can read more about that at [nationalgrid.com/responsibility/community/community-grant-programme](https://nationalgrid.com/responsibility/community/community-grant-programme).

**5c) In addition to our Community Grant Fund, are there other ways in which you would wish to see local communities benefit from hosting new electricity transmission infrastructure?**

## 6. Our consultation

Please let us know your views on the quality of our (printed and online) consultation materials, our face-to-face consultation events, how we have notified people about our proposals, and anything else related to this consultation.

**6a) Please let us know how you heard about this consultation by ticking one or more of the following boxes:**

- Received a letter from National Grid
- Received a newsletter from National Grid
- Received an email from National Grid
- Received information from a local authority
- Informed by a local elected representative
- Saw an advert in a local newspaper
- Saw social media coverage
- Saw coverage in local and/or national media
- Word of mouth
- Other (please specify)

**6b) Please rate the information included as part of this consultation in terms of how clearly it was presented and how easy it was to understand:**

- Strongly agree       Agree       Neither agree nor disagree  
 Disagree       Strongly disagree       Unsure

**Reasons for answer.**

**6c) Please rate how well this consultation was promoted and advertised to the public:**

- Very well       Quite well       Neither well nor poorly  
 Poorly       Very poorly       Unsure

**Reasons for answer.**

**6d) Did you attend one of our face-to-face or online consultation events?**

- Yes, face-to-face       Yes, online       Yes, both       No

**6e) How informative did you find our consultation events and/or our consultation materials?**

- Very informative       Quite informative       Not informative       No opinion

**6f) Do you have further comments about our consultation process or anything we can improve about our consultation?**

## 7. Additional questions – net zero

The Chesterfield to Willington project will support the UK's net zero target by adding capacity to accommodate increasing power flows of energy generated mostly from offshore wind, in Scotland and North East England, facilitating the connection of more renewable and low carbon electricity, to allow clean green energy to be carried around the network.

The below questions ask for your views on net zero:

**7a) Given the goal to deliver net zero carbon emissions in the UK by 2050 and the need to facilitate the connection of new renewable generation in the region, to what extent do you agree with the identified need for Chesterfield to Willington (as described on page 16 in the Project Background Document and in the Strategic Options Report)?**

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> Strongly agree | <input type="checkbox"/> Agree             | <input type="checkbox"/> Neither agree nor disagree |
| <input type="checkbox"/> Disagree       | <input type="checkbox"/> Strongly disagree | <input type="checkbox"/> Unsure                     |

**7b) Please use this space, if you wish, to expand on the reason for your answer.**

**7c) How concerned are you about the following? Please tick as relevant:**

	<b>Very concerned</b>	<b>Concerned</b>	<b>Neutral</b>	<b>Not that concerned</b>	<b>Not at all concerned</b>
The effect of climate change /global warming on your life.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The effect of climate change /global warming on the lives of future generations.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The UK meeting its target of net zero carbon emissions by 2050 is important to you.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
With the growth of renewable energy generation and interconnection in the North of England, reinforcing the network to transport this energy to where it is needed most is important.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Having domestic energy sources and the associated infrastructure will help increase the UK's energy security.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Increasing our domestic renewable energy production and associated infrastructure will make us less reliant on imported oil and gas.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



**7d) Please use this space, if you wish, to expand on the reason for your answer.**

A large, empty gray rectangular area intended for expanding on the answer.

## 8. Equality and diversity

National Grid would be grateful if you could answer the following equality and diversity questions. We will use the information we receive to help understand whether our consultation has been useful to people of different backgrounds and requirements.

We may publish a summary of the results, but no information about an individual would be revealed. The answers you provide to this question are defined as 'special category data'. If you agree to provide

Equality and Diversity information, you can withdraw your permission at any time. To withdraw your details, please contact us via email at **[chesterfield-willington@nationalgrid.com](mailto:chesterfield-willington@nationalgrid.com)**.

If you wish to receive consultation documents in hard copy, or in another format, please send us a request using the details provided within this response form and National Grid will organise for relevant materials to be issued.

### 1. What is your gender?

- Male  Female  Non-binary  
 Prefer not to say

### 2. Do you consider yourself a person with a disability?

- Yes  No  Prefer not to say

### 3. How would you describe your ethnic background?

#### White

- English, Welsh, Scottish, Northern Irish or British  
 Irish  
 Gypsy or Irish Traveller  
 Any other White background (please state)

#### Mixed or Multiple ethnic groups

- White and Black Caribbean  
 White and Black African  
 White and Asian  
 Any other Mixed or Multiple ethnic background (please state)

#### Asian / Asian British

- Indian  
 Pakistani  
 Bangladeshi  
 Chinese  
 Any other Asian background (please state)

#### Black/ African/Caribbean/Black British

- African  
 Caribbean  
 Any other Black, African or Caribbean background (please state)

#### Other ethnic group

- Arab  
 Any other ethnic group (please state)  
 Prefer not to say

### 4. What is your age?

- Under 16  16-24  25-34  35-44  
 45-54  55-64  65+  Prefer not to say



## Data privacy notice

National Grid is committed to protecting your personal information. Whenever you provide such information, we are legally obliged to use it in line with all applicable laws concerning the protection of personal data, including the UK General Data Protection Regulation (GDPR).

### How will National Grid use the information we collect about you?

We will use your personal data collected via this consultation for several purposes, including:

- to analyse your feedback to the consultation;
- to produce a Consultation Report, based on our analysis of responses (individuals will not be identified in the Report);
- to write to you with updates about the results of the consultation and other developments; and
- to keep up-to-date records of our communications with individuals and organisations.

Any personal information you include in this form will be handled and used by (or made available to) the following recipients to record, analyse and report on the feedback we receive:

- National Grid;
- the Planning Inspectorate (who will consider our application for consent to build the Chesterfield to Willington reinforcement, any details published as part of this process will be anonymised);
- the Secretary of State (who will take the decision on our application);
- our legal advisers; and
- consultants working on Chesterfield to Willington.

### What rights do I have over my personal data?

Under the terms of the UK GDPR, you have certain rights over how your personal data is retained and used by National Grid. For more information, see our full data privacy statement: [nationalgrid.com/privacy-policy](https://nationalgrid.com/privacy-policy).

## Get in touch

### Call our freephone Community Helpline:

**0800 073 1047** between 9am-5:30pm  
Monday to Friday - an answerphone facility will take messages outside of these hours.

**Email us:**  
[chesterfield-willington@nationalgrid.com](mailto:chesterfield-willington@nationalgrid.com).

**Write to us:**  
**FREEPOST NATIONAL GRID PROJECTS (JBP)** -  
no stamp or further address is needed.

All consultation information including webinar registration links, an interactive map, consultation documents and a feedback form is available on our website:

[nationalgrid.com/chesterfieldtowillington](https://nationalgrid.com/chesterfieldtowillington).

### Information for landowners

If you feel your land may be affected by these proposals, our dedicated Chesterfield to Willington lands team will speak with you. You can contact them by emailing [chesterfield-willington@ardent-management.com](mailto:chesterfield-willington@ardent-management.com), calling on **0203 489 9414** or writing to **The Lands Team at Ardent, 36-38 Botolph Lane, London EC3R 8DE**.

