

The Great Grid Upgrade

North Humber to High Marnham

Guide to interacting with our plans

February 2024



nationalgrid

Contents

1.	Introduction	4
2.	What are the consultation plans?	5
3.	Consultation and engagement to date	6
4.	What do the plans show?	8
4.1	Route Sections	8
4.2	The Preferred Alignment	10
4.3	Draft Order Limits	10
4.4	Limits of Deviation	10
5.	Key features	11
6.	How can I view the consultation plans?	13
7.	How can I provide feedback using the consultation plans?	14

Table 3.1– List of Plans and Drawings	6
Table 5.1 – Permanent key features	11
Table 5.2 – Temporary key features	12

Figure 4.1 - Consultation Plans Master Key Plan	9
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1. Introduction

- 1.1.1 This document has been produced by National Grid Electricity Transmission (NGET) to provide guidance on interacting with our consultation plans during our Statutory consultation for North Humber to High Marnham (the Project).
- 1.1.2 Our consultation runs from **Tuesday 18 February** until **Tuesday 15 April 2025**.
- 1.1.3 To help explain and visualise our proposals for the Project, we have prepared a series of documents, including plans and drawings. This guide provides more detail about the plans that are available and what is shown in each plan.

2. What are the consultation plans?

- 2.1.1 We have prepared a series of plans to support the consultation, to help people understand our proposals and how they may be affected.
- 2.1.2 Whilst the plans illustrate many aspects of the Project, they do not explain the rationale for the design. This can be found in the Design Development Report 2025 which has been published to accompany our consultation. The consultation documents also include the Preliminary Environmental Information Report (PEIR) which sets out the preliminary findings from the environmental studies and assessments we are carrying out to develop our proposals.
- 2.1.3 In accordance with normal practice, it should be noted that all plans published in support of the consultation are based on typical and indicative designs. They have been produced to give respondents to the consultation a general understanding of the Project and to help inform feedback. The designs are likely to change in response to consultation feedback, ongoing designs, surveys, and environmental assessment. The application for development consent will contain an updated design (and accompanying set of plans), although it should be noted that even at that stage flexibility will be retained through Limits of Deviation (LoD) described below.

3. Consultation and engagement to date

3.1.1 The standalone plans and drawings published to support our consultation are listed below¹:

Table 3.1– List of Plans and Drawings

Title	Description
Overall Location Plan	Allows the user to locate the Project within its regional context. It shows the Preferred Alignment and the location of proposed substations, as well as existing overhead lines that will be reconducted, dismantled or modified. It also shows some existing substation locations and existing overhead lines that will form part of the Project. It also shows local authority boundaries.
Consultation Plans Master Key Plan	Allows the user to locate the Project and shows the Draft Order Limits. It shows an index of the Route sections to enable the user to navigate to the relevant specific plan set of interest to them. It also shows local authority boundaries.
Consultation Plans	<p>These plans provide a detailed overview of the current proposals, divided over 72 sheets across eleven Route Sections at 1:2,500 scale. This scale has been used to provide the specific location of the permanent assets and construction, operation and maintenance areas, while also providing as much context of the surrounding area as possible.</p> <p>A key plan is also included for each Route Section of the Project to help users quickly locate an area or sheet of interest along the length of the Project.</p> <p>The plans are ordered from North to South.</p> <p>The plans include the Preferred Alignment as currently envisaged (encompassing indicative locations for lattice pylons and overhead lines), as well as the Draft Order Limits.</p> <p>The plans show the indicative new substation site boundaries, as well as indicative temporary structures for construction, existing lattice towers to be modified, and existing overhead line to be reconducted or to be dismantled.</p>
Environmental Constraints Plans	These plans provide the location of proposed permanent assets and Draft Order Limits for the Project as per the

¹ Figures, images and plates provided in other consultation documentation are to be read within the context of the associated document.

Title	Description
	<p>Consultation Plans. They also show some environmental, third party and National Grid constraints within proximity of the preferred alignment. They are divided over 39 sheets at 1:25,000 scale.</p> <p>The constraints shown include:</p> <ul style="list-style-type: none"> • Listed buildings; • Scheduled Monuments(SM); • Bird Surveys Undertaken; • Conservation Areas (CA); • Registered Park and Gardens; • Countryside and Rights of Way (CRoW) – conclusive registered common land/access land; Public Rights of Way (PRoW); • National Cycle Route; • Special Areas of Conservation (SAC); • Sites of Special Scientific Interest (SSSI); • County Wildlife Sites (CWS) ; • Ancient Woodland; • Flood Zone 2 and 3; • Ramsar; • Local Nature Reserves (LNR); • Sports or Leisure; • Caravan, Camping or Holiday Parks; • Hotels, B&Bs and Apartments; • National Gas pipelines and sites; • Existing 400 kV overhead lines; • Existing 132 kV overhead lines; • Draft Order Limits; • Indicative New Lattice Pylon; • Indicative New Overhead Line; • Indicative New Gantry; • Existing Lattice Pylon To Be Modified; • Existing Lattice Pylon Not Affected; • Existing Lattice Pylon To Be Removed; • Existing Overhead Line Not Affected; • Existing Overhead Line to be Reconductored; • Existing Overhead Line to be Dismantled; and • Existing Gantry Not Affected.

4. What do the plans show?

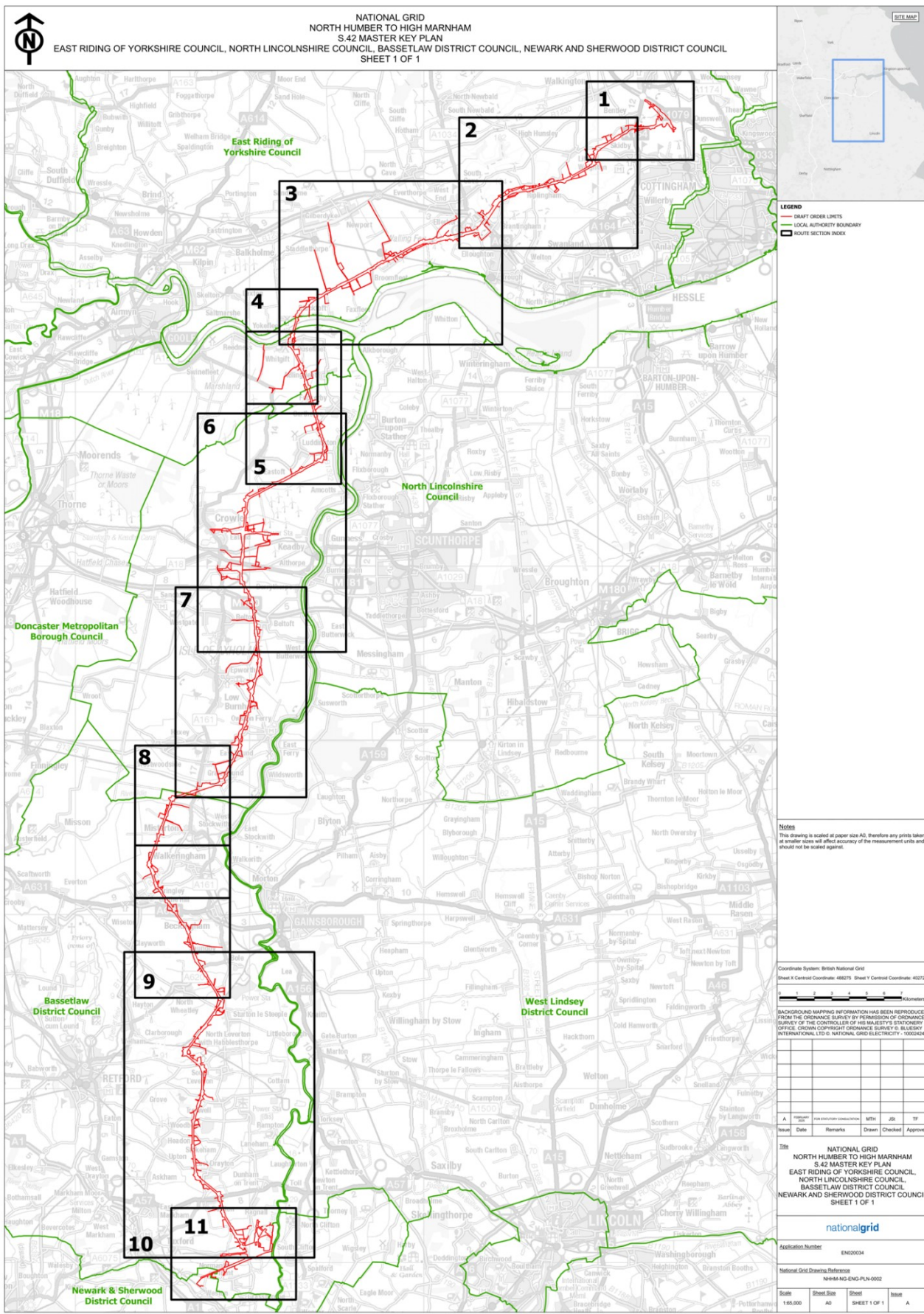
4.1 Route Sections

4.1.1 Our preferred alignment has been split into 11 Route Sections to make it easier for people to give feedback about any particular areas that they may wish to comment on. The Route Sections are the same as used at our non-statutory consultation. The Route Sections are:

- Route Section 1: Creyke Beck-Skidby;
- Route Section 2: Skidby-A63 dual carriageway;
- Route Section 3: A63 dual carriageway-River Ouse crossing;
- Route Section 4: River Ouse crossing;
- Route Section 5: River Ouse crossing-Luddington;
- Route Section 6: Luddington-M180 motorway;
- Route Section 7: M180 motorway-Graizelound;
- Route Section 8: Graizelound-Chesterfield Canal;
- Route Section 9: Chesterfield Canal-A620 east of North Wheatley;
- Route Section 10: A620 east of North Wheatley-Fledborough; and
- Route Section 11: Fledborough-High Marnham.

4.1.2 Information about the two new substations is included in Route Section 1 for Creyke Beck (Birkhill Wood substation) and Route 11 (High Marnham substation).

Figure 4.1 - Consultation Plans Master Key Plan



4.2 The Preferred Alignment

- 4.2.1 Certain consultation plans use the term 'Preferred Alignment' when describing the proposed route.
- 4.2.2 The Preferred Alignment is a concept used to help communicate the potential route of the Project and has been developed as a result of feedback received during our non-statutory in Summer 2023 and localised non-statutory consultation in Summer 2024, ongoing engineering design and environmental assessment work to date.
- 4.2.3 The Preferred Alignment shown on these consultation plans is subject to change following consideration of consultation feedback and ongoing design development.
- 4.2.4 Moving forward, NGET will not be seeking approval, through the development consent order process, for a specific alignment (including fixed pylon locations). Approval will instead be sought to construct the Project within parameters known as Limits of Deviation (LoD) [See section 4.4].

4.3 Draft Order Limits

- 4.3.1 The Draft Order Limits form the boundary of the entire area within which the Project could take place, including temporary and permanent works as well as works to the existing infrastructure.
- 4.3.2 The Draft Order Limits are shown as a solid red line.

4.4 Limits of Deviation

- 4.4.1 LoD represent the maximum deviation for permanent infrastructure. The LoD allow for the adjustment to the final positioning of the Project features to avoid localised features or unknown or unforeseeable issues that may arise following further survey and assessment work.

5. Key features

5.1.1 Other key features shown on the consultation plans and drawings are summarised in the following tables:

Table 5.1 – Permanent key features

Permanent key features	Overview
Indicative zone for permanent assets	Shows the indicative zone within which permanent assets (including those listed below) would be located.
Indicative new lattice pylon	Shows the indicative position of proposed new lattice pylons, which are structures that support the overhead line. There are two types of lattice pylon: suspension (where the conductors are simply suspended from the pylon) and tension/angle (where the overhead line changes direction).
Indicative new gantry	Shows the indicative position of proposed new gantries, which are structures supporting electrical equipment (typically up to 15 m in height) that serve as a transition point from overhead line equipment to equipment in a substation.
Existing lattice pylon (to be modified/dismantled/not affected)	Shows the position of existing lattice pylons, including those that would be modified as part of the Project, those which would be dismantled and those not affected by the proposals.
Indicative new overhead line	Shows the indicative position of new overhead line, which comprises of conductors (wires) carrying electric current that are strung from pylon to pylon.
Existing overhead line (to be reconducted/dismantled/not affected)	Shows the position of existing overhead line, including that which would be reconducted as part of the Project (where the existing conductors are replaced), dismantled (where the existing overhead line would be removed) and that not affected by the proposals.
Indicative new substation boundary	Shows the indicative position of the boundary of the proposed new substations.
Indicative environmental planting	Shows the indicative position of areas identified for environmental mitigation and/or Biodiversity Net Gain (BNG).

Table 5.2 – Temporary key features

Temporary key feature	Overview
Indicative zone for construction, operation and maintenance	Shows the indicative zone within which construction, operation and maintenance works (including that listed below) would take place.
Indicative temporary structure	Shows the indicative location that temporary structures that the existing overhead line would be diverted onto during the construction phase whilst works (such as reconductoring) take place.
Indicative temporary overhead line	Shows the indication position of temporary overhead line during the construction phase whilst works on existing overhead line takes place.
Indicative access route	Shows the indicative location of access routes, including temporary access routes (for construction) and permanent access routes (for ongoing operation and maintenance).
Indicative visibility splay	Shows the indicative location of visibility splays, which are areas proposed to be cleared/kept clear of visual obstructions that would impact the ability to see approaching traffic at a junction.
Indicative construction compound	Shows the indicative location of construction compounds. The type, size and what is included at each compound is subject to the works it is facilitating, but may include working yard/storage areas, parking, offices, reception, break out areas, toilets/showers/changing facilities, kitchen/canteen, visitors centre, induction/training room and drying room.

6. How can I view the consultation plans?

- 6.1.1 You can view our consultation plans in person at one of our public information events. Our plans are also available to view and download on our website (nationalgrid.com/nh-hm) or in paper copy on request.

7. How can I provide feedback using the consultation plans?

- 7.1.1 Your views are important to us and will help shape our plans as our Project develops further. We welcome your feedback on all aspects of our design, including geographical areas of interest.
- 7.1.2 You can provide your feedback through the following channels:
- Online: You can complete a feedback questionnaire online at nationalgrid.com/nh-hm
 - In paper copy: Visit us at one of our public information events to collect a paper copy feedback questionnaire, which can be completed and handed to our team. You can also collect a feedback questionnaire at a local information point or request one by telephone or email.
 - By email: You can send your comments or scanned electronic copies of our feedback questionnaire to contact@nh-hm.nationalgrid.com.
 - By post: You can send your paper copy questionnaire or comments to Freepost NH to HM (you do not need to include a stamp).
- 7.1.3 You can use our consultation plans to identify geographical areas of interest along with the proposed new infrastructure in each Route Section. You can then provide your feedback in the relevant Route Section of the feedback questionnaire.
- 7.1.4 If you have any questions about the Project or require assistance with interacting with our consultation plans, please contact us using the details below:
- Email: contact@nh-hm.nationalgrid.com.
 - Freephone: 0808 139 1346.

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