

## The Great Grid Upgrade

Grimsby to Walpole

# Preliminary Environmental Information Report

Volume 2 Part B Section Specific Assessments

Section 1 New Grimsby West Substation

Chapter 3 Visual

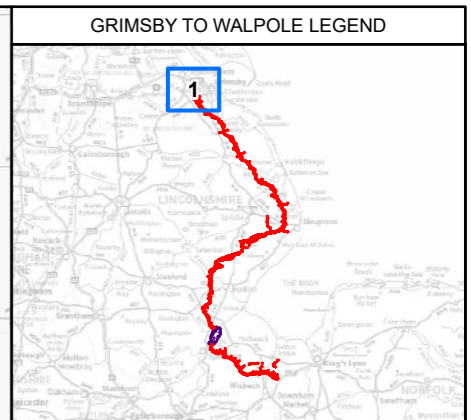
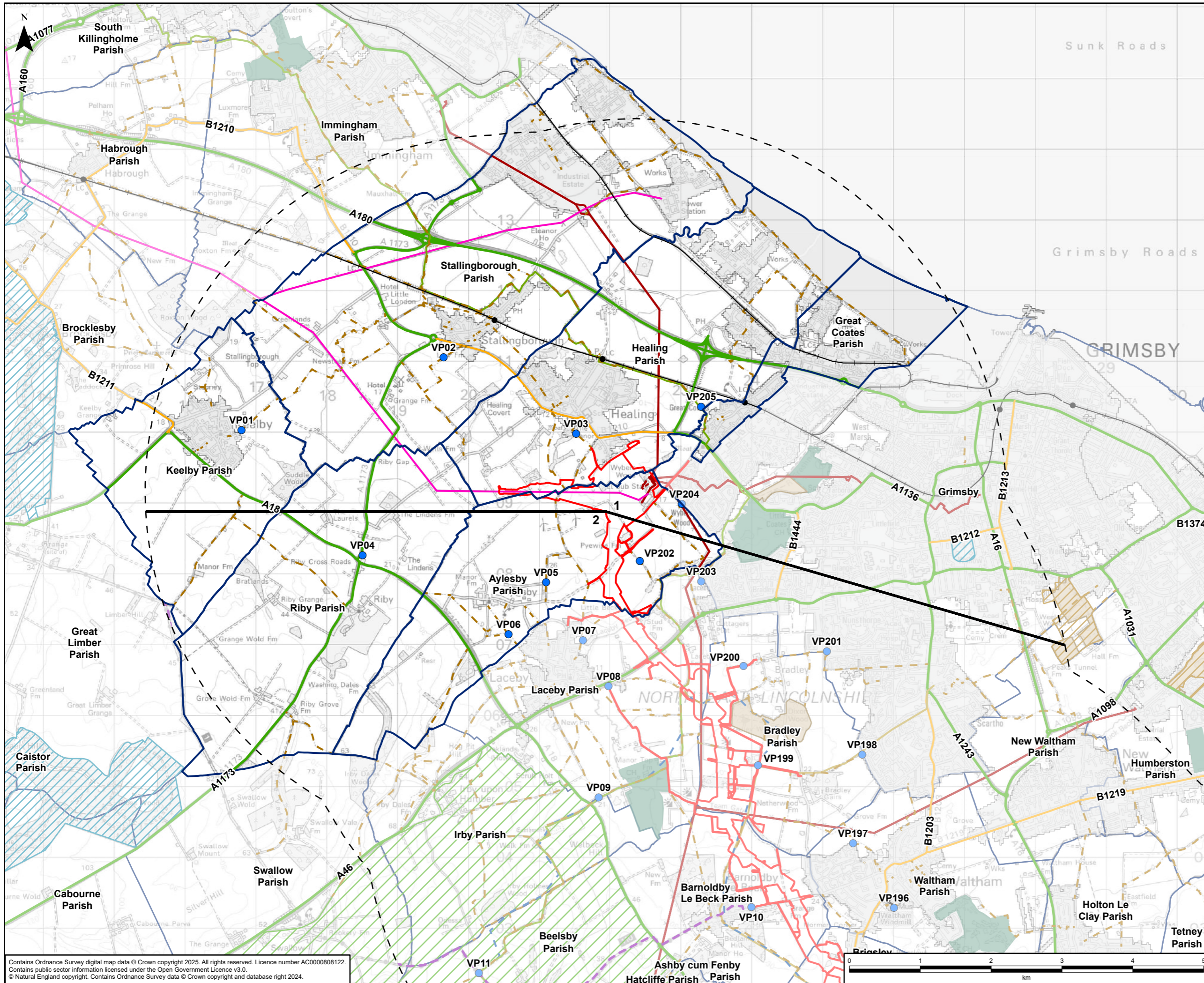
Figures

June 2025



# Volume 2 Part B Section 1 Chapter 3 – Figure List

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Figure 3.2	Zone of Theoretical Visibility (ZTV)



- Legend**
- Draft Order Limits
  - Route Section Break
  - 5km Study Area
  - Parish Boundary (assessed in this Section)
  - Viewpoint Location
  - Railway Station
  - A Road
  - B Road
  - National Grid Existing Overhead Line 400kV
  - DNO Existing Overhead Line 132kV
  - Lincolnshire Wolds National Landscape (Area of Outstanding Natural Beauty)
  - Registered Park and Gardens
  - Country Park
  - Built Up Area
  - Recreational Route**
  - Public Rights of Way (PRoW)
  - National Cycle Network
  - Silver Lincs Way
  - Wanderlust Way
  - Nev Cole Way
  - Visitor Destination**
  - Golf Course
  - Local Nature Reserve

A	08/05/2025	First Issue	LC	HJ	DR
Rev	Date	Description	GIS	Chk	App

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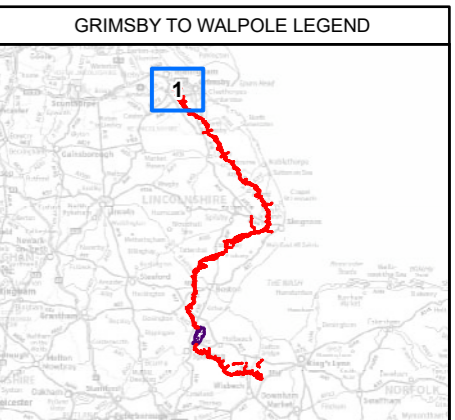
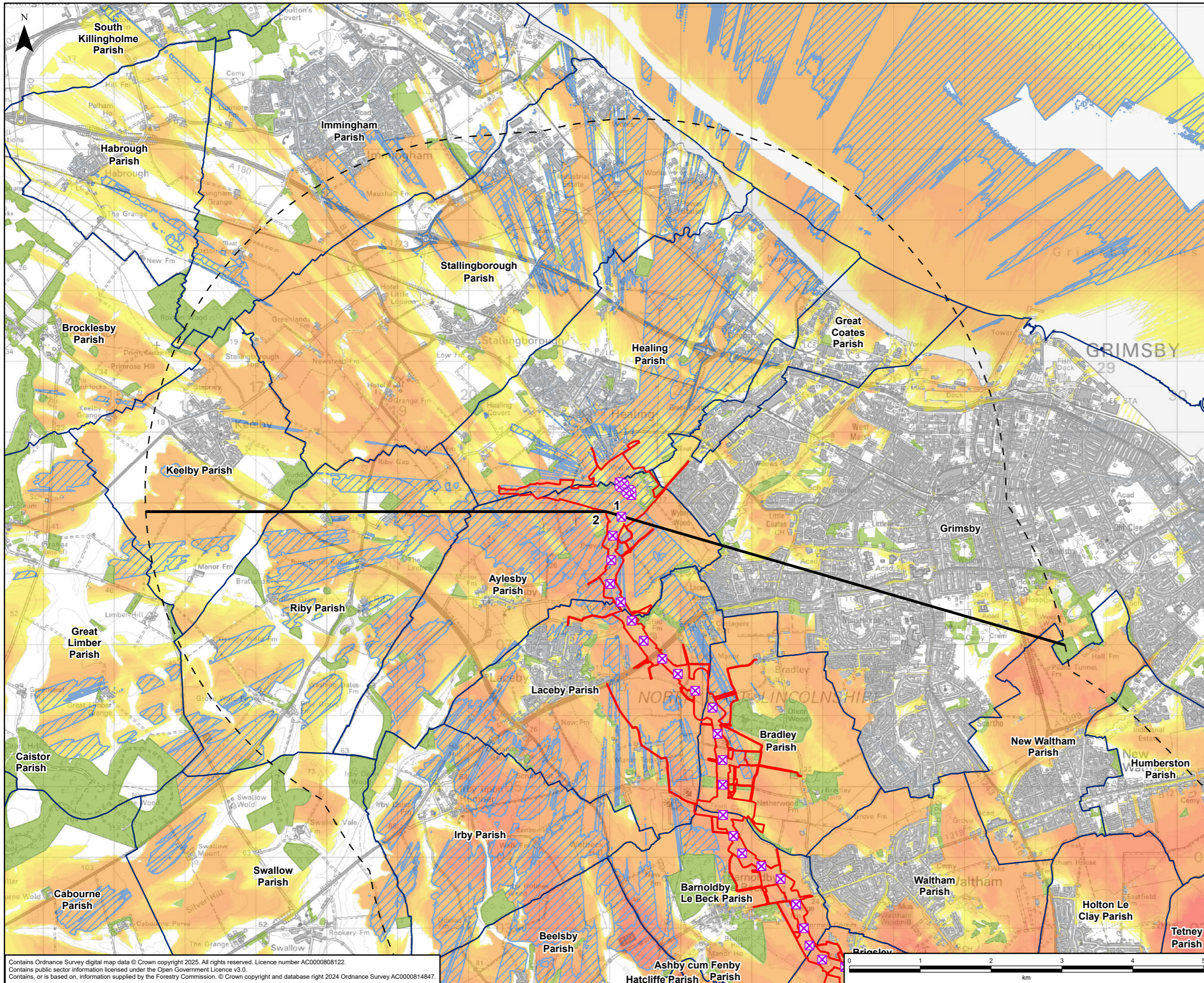
Purpose: PEI REPORT - SECTION 1

Scheme: GRIMSBY TO WALPOLE

Document Title: **FIGURE 3.1  
VISUAL RECEPTORS AND VIEWPOINTS**

Creator:	Date:	Checker:	Date:	Approver:	Date:
LC	08/05/2025	HJ	08/05/2025	DR	08/05/2025
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FIGURE	1:50,000	A3	1 OF 1	A	

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**Legend**

- Draft Order Limits
- Route Section Break
- 5km Study Area
- Parish Boundary
- X Indicative New Lattice Pylon
- X Indicative New Gantry
- Existing Building - 8m Height
- National Forest Inventory Woodland - 15m Height
- Zone of Theoretical Visibility - Gantries Visible

**Zone of Theoretical Visibility - Number of Towers Visible**

1 - 2
3 - 4
5 - 6
7 - 8
9 - 10
11 - 19
20 - 28
29 - 37
38 - 46
47 - 55
56 - 65
66 - 77

**ZTV Note:**  
 Zone of Theoretical Visibility (ZTV) has been generated using EA Lidar 2m digital terrain model (DTM) which does not take into account the screening effects of vegetation, buildings or other structures. This has been resampled to 5m. Existing Buildings have been incorporated into the DTM from OS OpenMap Local with an assumed height of 8m. Woodland from National Forest Inventory has been incorporated into the DTM with an assumed height of 15m. ZTV is based upon a point at each Indicative Tower and Gantry Location at designed heights, with an observer eye height of 1.6m. Visual banding is due to view of each tower/gantry being limited to 10km. All heights mentioned above are above ground level (AGL) unless otherwise specified.

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Purpose: PEI REPORT - SECTION 1

Scheme: GRIMSBY TO WALPOLE

Document Title: **FIGURE 3.2**  
**ZONE OF THEORETICAL VISIBILITY (ZTV)**

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Document Type: FIGURE	Scale: 1:50,000	Format: A3	Sheets: 1 OF 1	Rev: A	

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