

## The Great Grid Upgrade

Grimsby to Walpole

# Preliminary Environmental Information Report

Volume 2 Part B Section Specific Assessments

Section 2 New Grimsby West Substation to New Lincolnshire  
Connection Substation A

Chapter 3 Visual

Figures

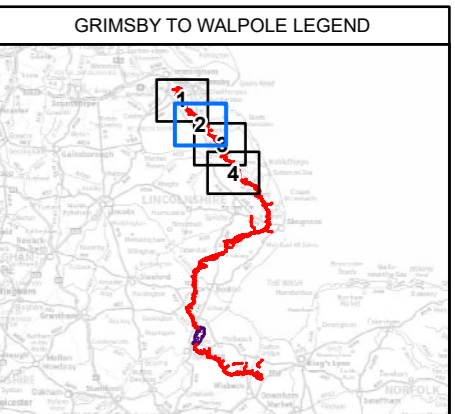
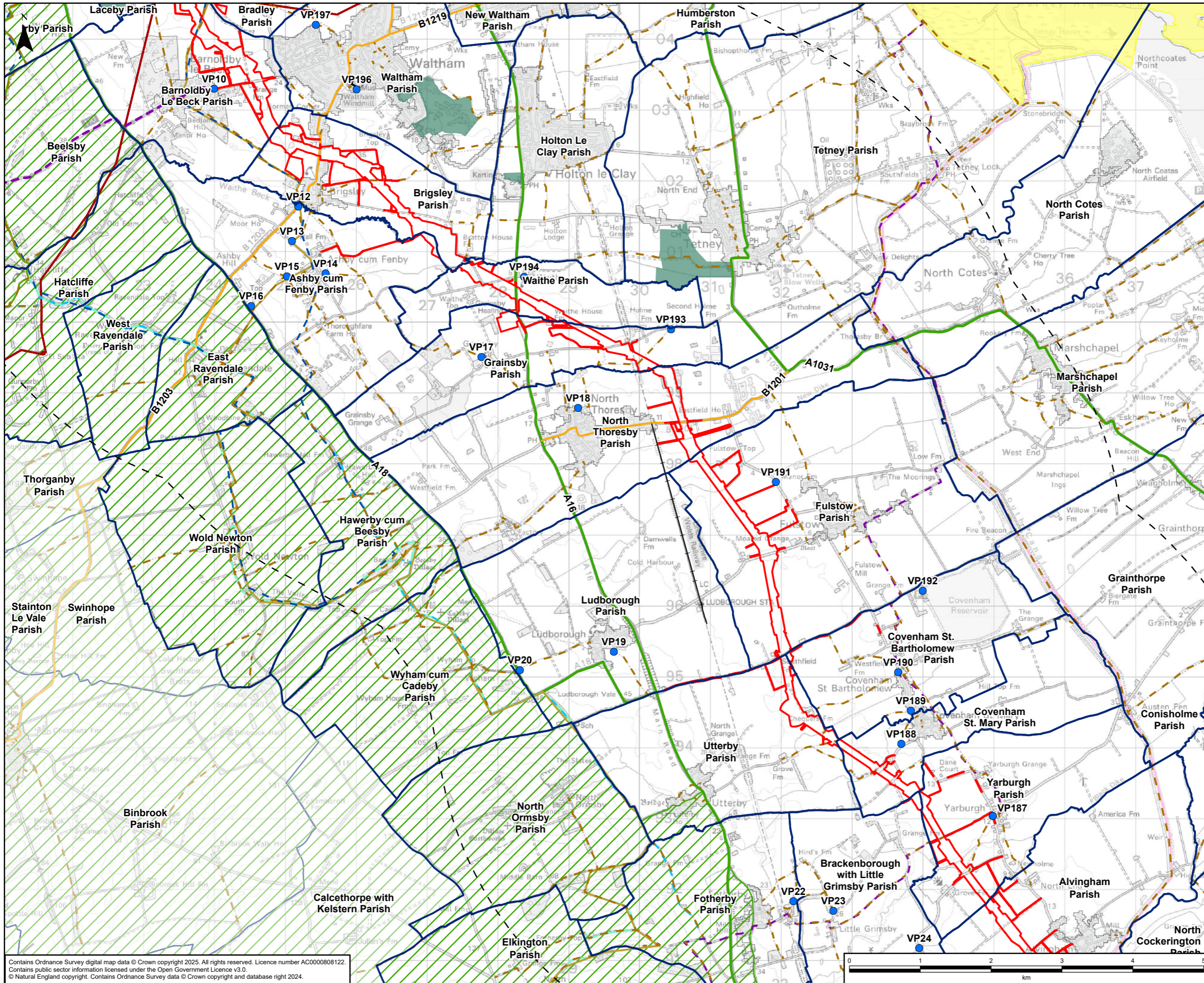
June 2025



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

Figure number	Figure title
Figure 3.1	Visual Receptors and Viewpoints
Figure 3.2	Zone of Theoretical Visibility (ZTV)





- Legend**
- Draft Order Limits
  - 5km Study Area
  - Parish Boundary (assessed in this Section)
  - Viewpoint Location
  - A Road
  - B Road
  - DNO Existing Overhead Line 132KV
  - Lincolnshire Wolds National Landscape (Area of Outstanding Natural Beauty)
  - Built Up Area
- Recreational Route**
- Public Rights of Way (PRoW)
  - National Cycle Network
  - Lincolnshire Wolds Way
  - Lindsey Loop
  - Louth Canal
  - Silver Lincs Way
  - Wanderlust Way
  - Greenwich Meridian Trail
  - Nev Cole Way
- Visitor Destination**
- Golf Course
  - National Nature Reserve

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

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Purpose: PEI REPORT - SECTION 2

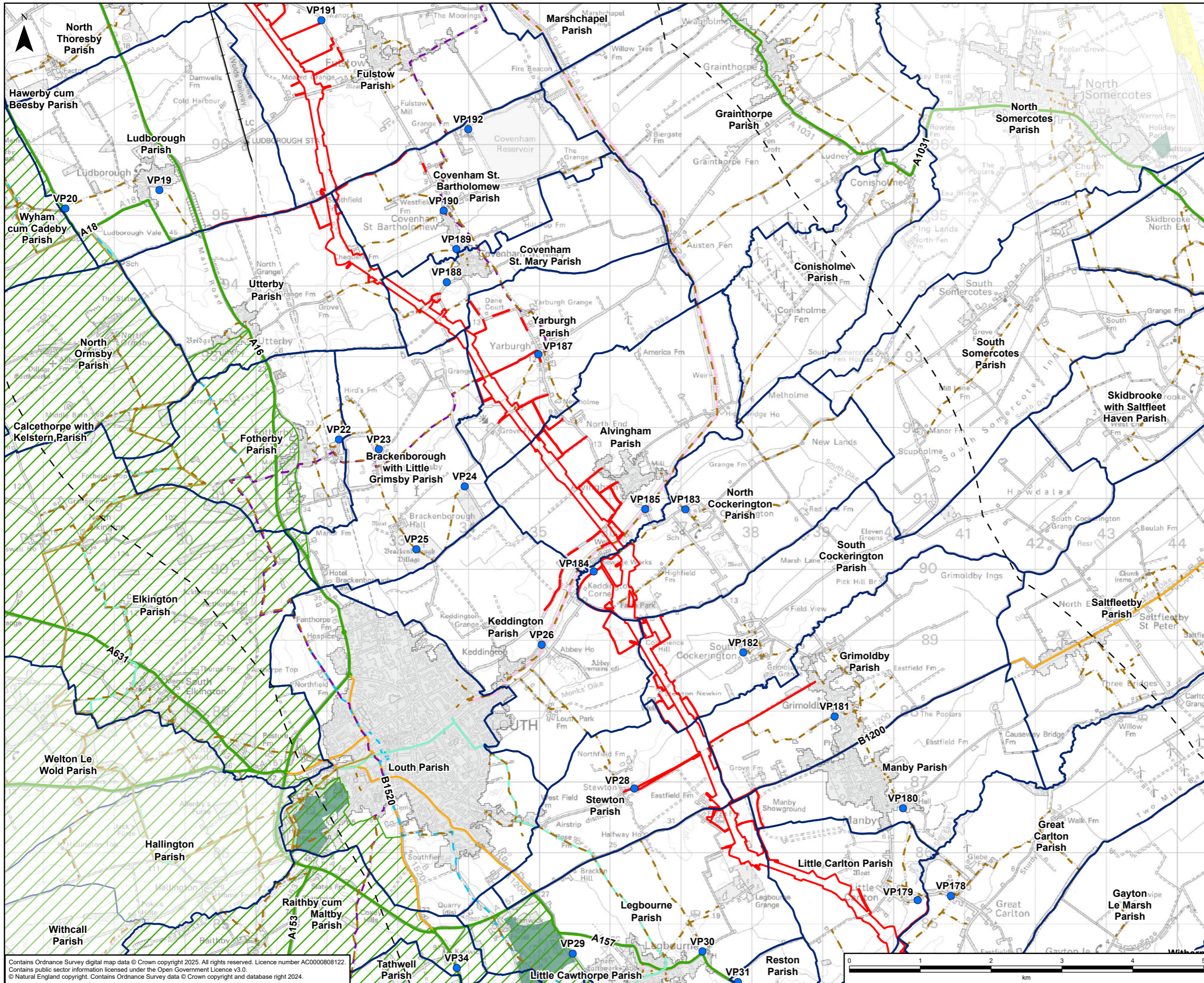
Scheme: GRIMSBY TO WALPOLE

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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**GRIMSBY TO WALPOLE LEGEND**

**Legend**

- Draft Order Limits
- 5km Study Area
- Parish Boundary (assessed in this Section)
- Viewpoint Location
- A Road
- B Road
- Lincolnshire Wolds National Landscape (Area of Outstanding Natural Beauty)
- Built Up Area
- Recreational Route
  - Public Rights of Way (PRoW)
  - Lincolnshire Wolds Way
  - Lindsey Loop
  - Louth Canal
  - Silver Lincs Way
  - Greenwich Meridian Trail
- Visitor Destination
  - Golf Course
  - National Nature Reserve

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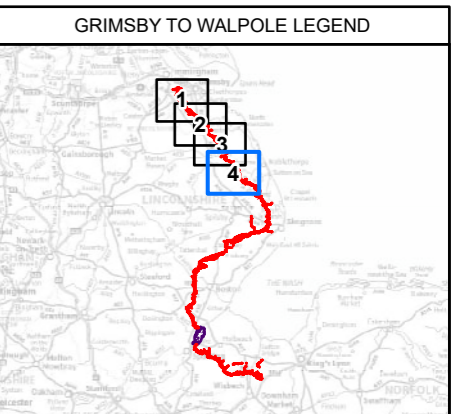
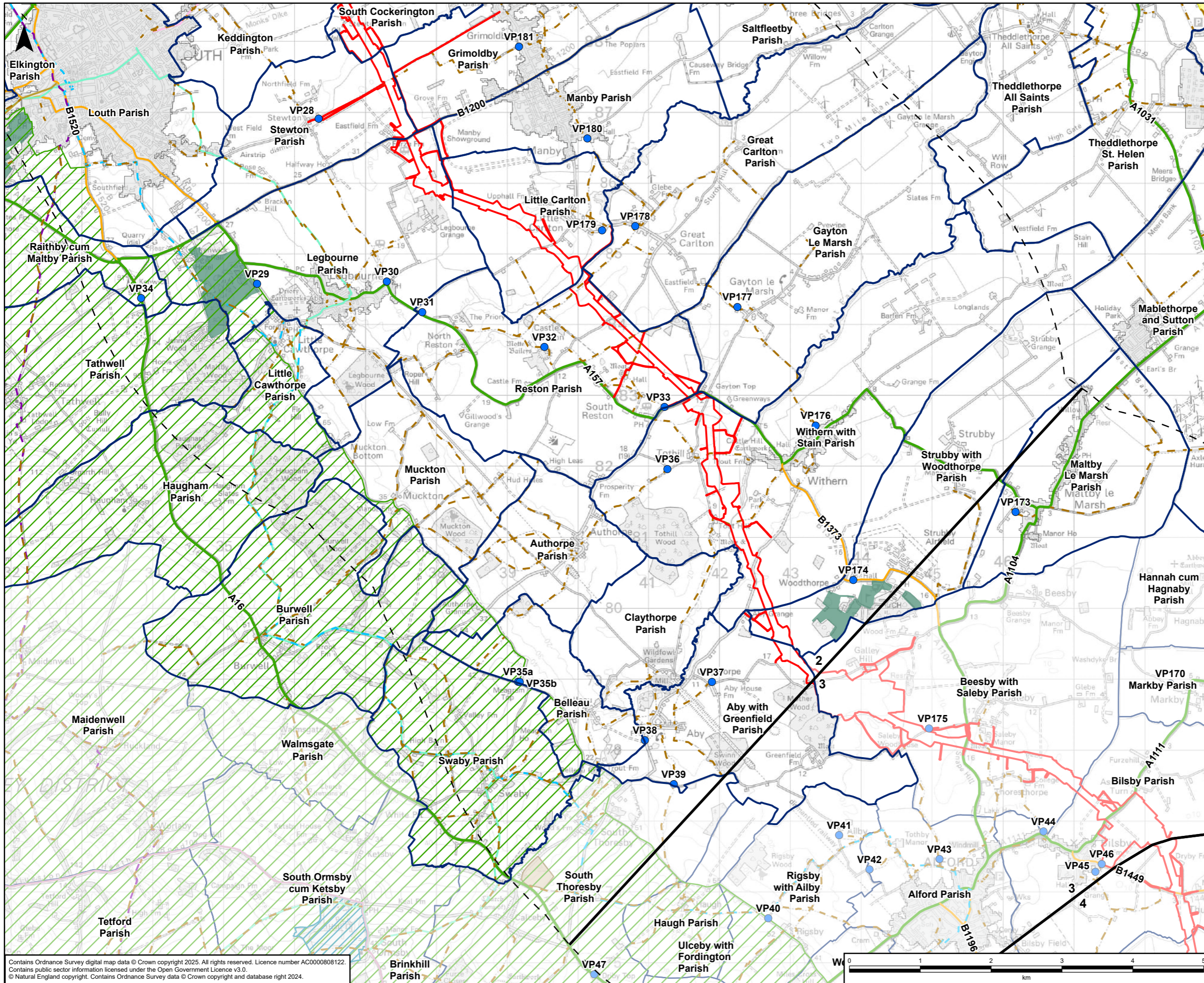
Purpose: PEI REPORT - SECTION 2

Scheme: GRIMSBY TO WALPOLE

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VISUAL RECEPTORS AND VIEWPOINTS

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LC	08/05/2025	HJ	08/05/2025	DR	08/05/2025
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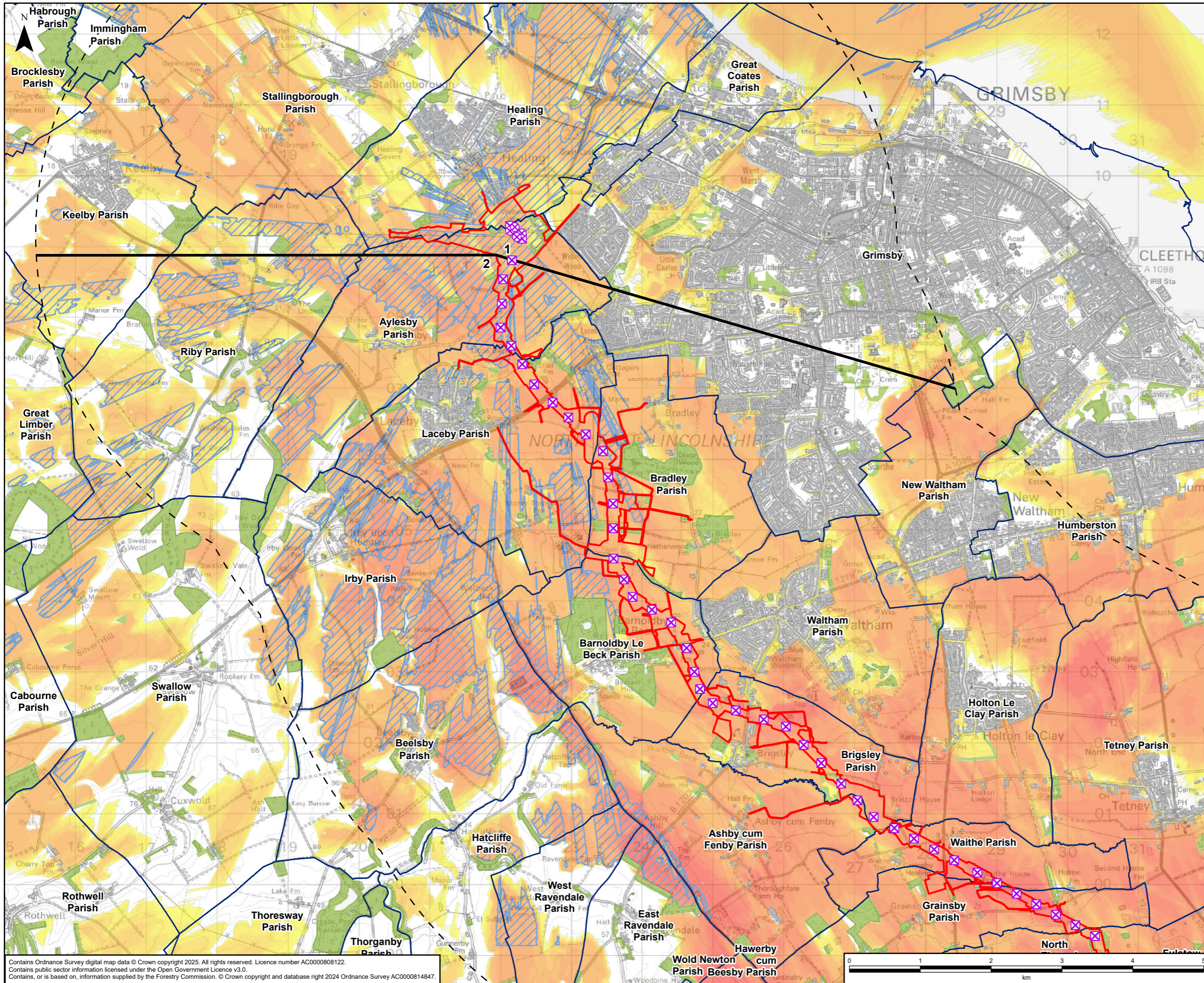


- Legend**
- Draft Order Limits
  - Route Section Break
  - 5km Study Area
  - Parish Boundary (assessed in this Section)
  - Viewpoint Location
  - A Road
  - B Road
  - Lincolnshire Wolds National Landscape (Area of Outstanding Natural Beauty)
  - Registered Park and Gardens
  - Built Up Area
  - Recreational Route**
  - Public Rights of Way (PRoW)
  - Lincolnshire Wolds Way
  - Lindsey Trail
  - Lindsey Loop
  - Louth Canal
  - Silver Lincs Way
  - Greenwich Meridian Trail
  - Visitor Destination**
  - Golf Course
  - Local Nature Reserve
  - National Nature Reserve

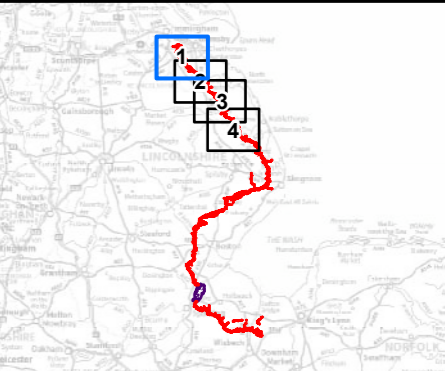
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Purpose: PEI REPORT - SECTION 2					
Scheme: GRIMSBY TO WALPOLE					
Document Title: FIGURE 3.1 VISUAL RECEPTORS AND VIEWPOINTS					
Creator: LC	Date: 08/05/2025	Checker: HJ	Date: 08/05/2025	Approver: DR	Date: 08/05/2025
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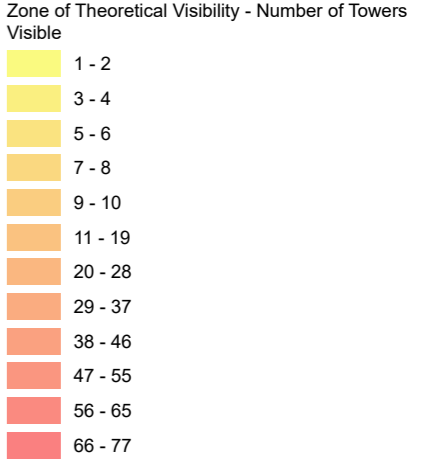
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GRIMSBY TO WALPOLE LEGEND



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



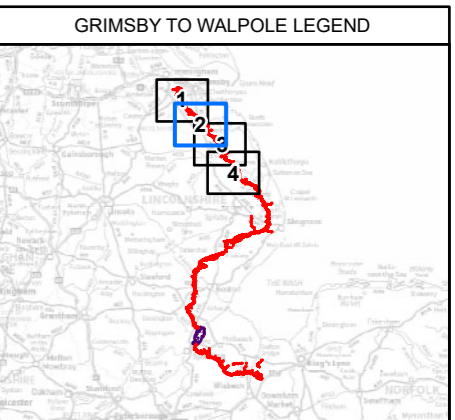
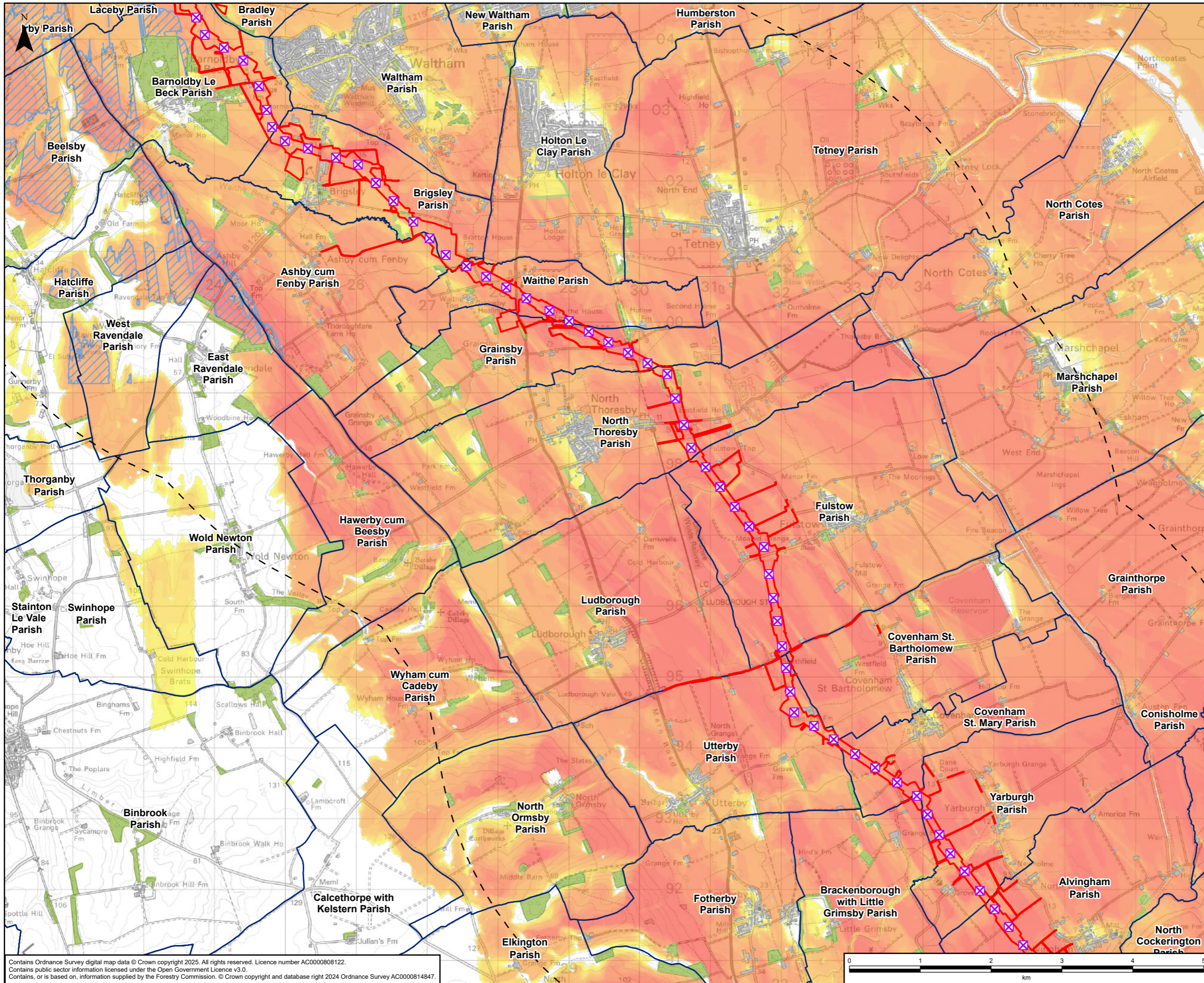
**ZTV Note:**  
 Zone of Theoretical Visibility (ZTV) has been generated using EA Lidar 2m digital terrain model (DTM) which does not take into account the screening effects of vegetation, buildings or other structures. This has been resampled to 5m. Existing Buildings have been incorporated into the 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 2										
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 4	Rev:	A		

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**Legend**

- Draft Order Limits
- 5km Study Area
- Parish Boundary
- X Indicative New Lattice Pylon
- 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

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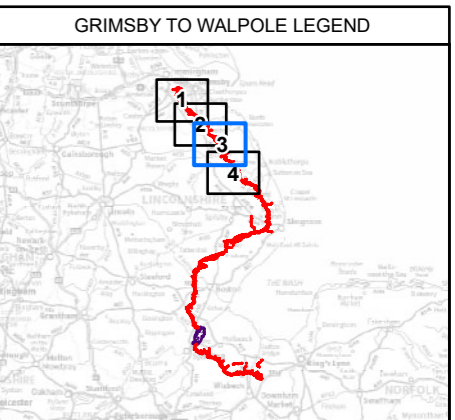
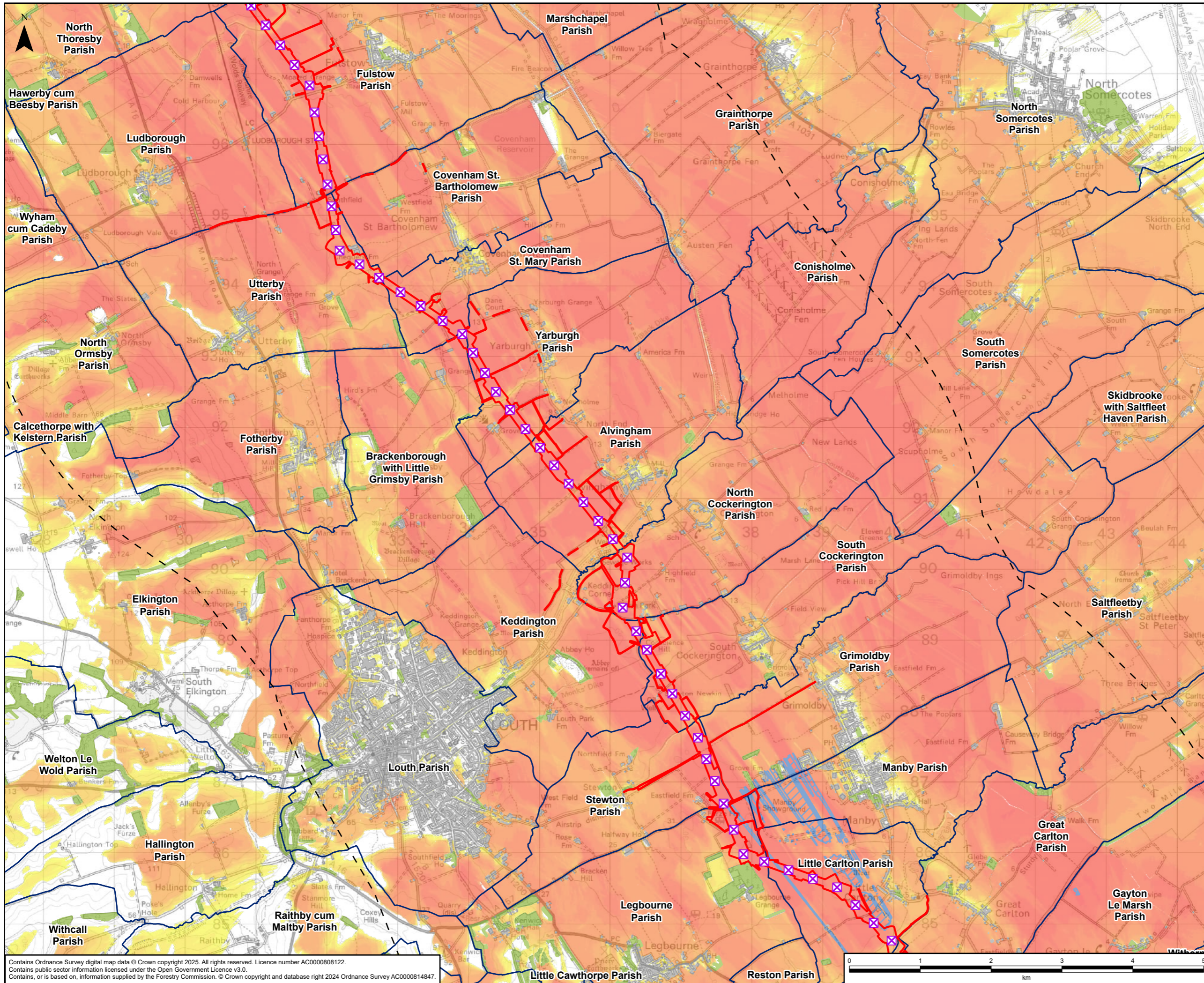
Scheme: GRIMSBY TO WALPOLE

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

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**Legend**

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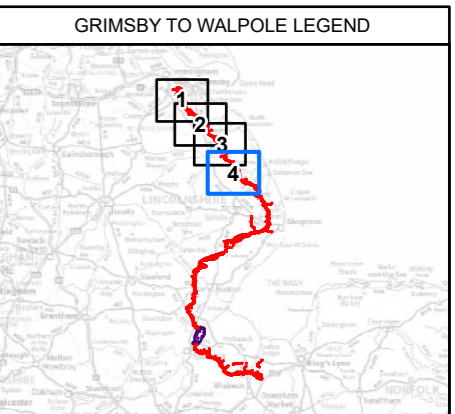
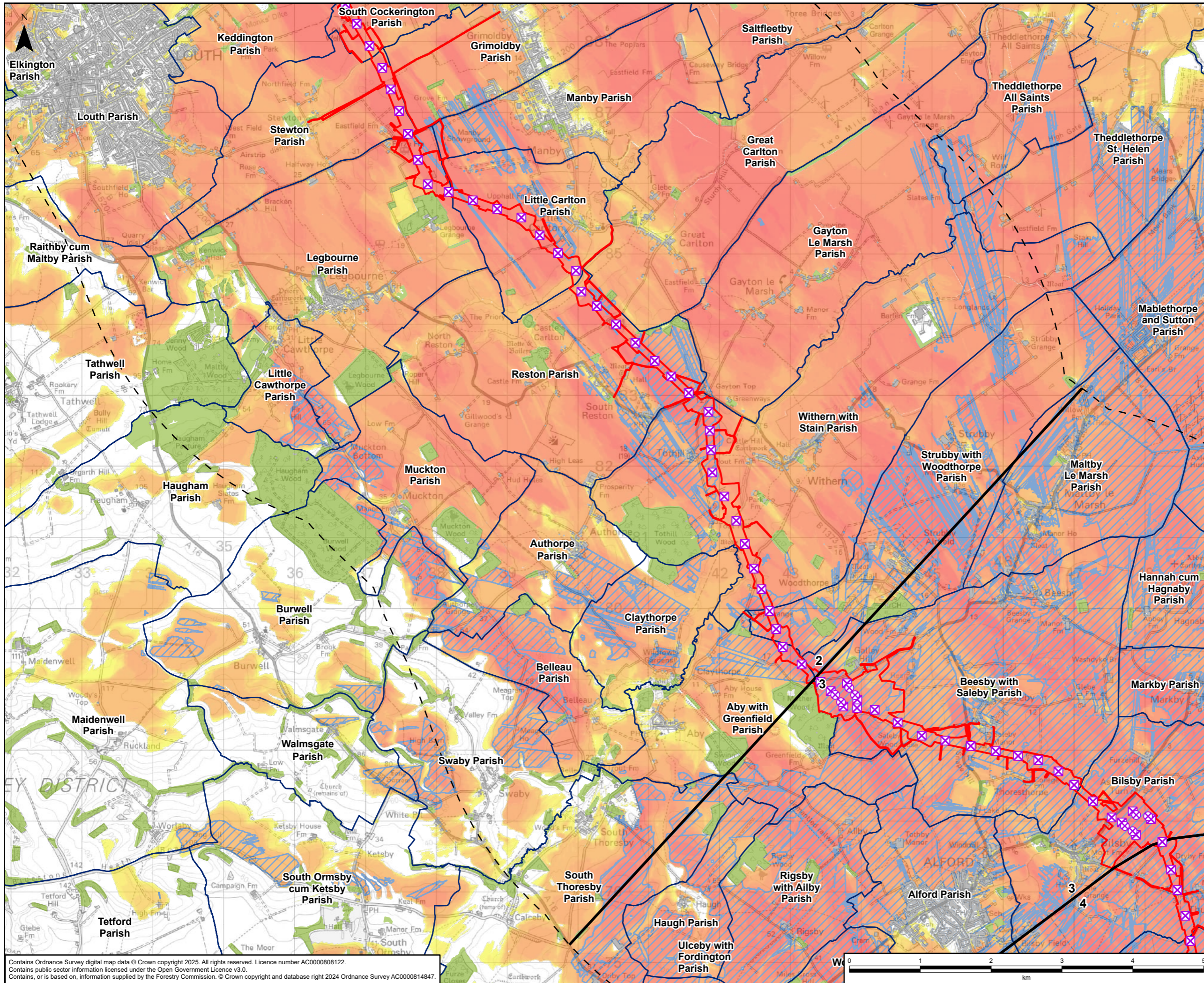
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**ZONE OF THEORETICAL VISIBILITY (ZTV)**

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