

The Great Grid Upgrade

Grimsby to Walpole

Preliminary Environmental Information Report

Volume 2 Part B Section Specific Assessments

Section 6 Refined Weston Marsh Substation Siting Zone to New
Walpole B Substation

Chapter 3 Visual

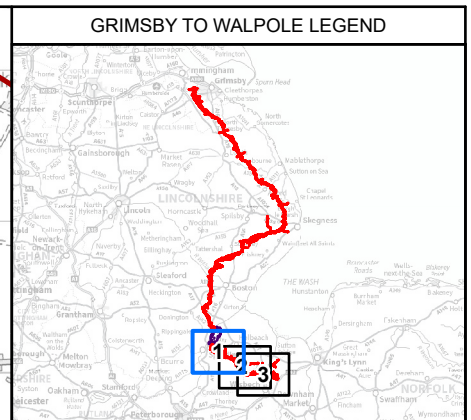
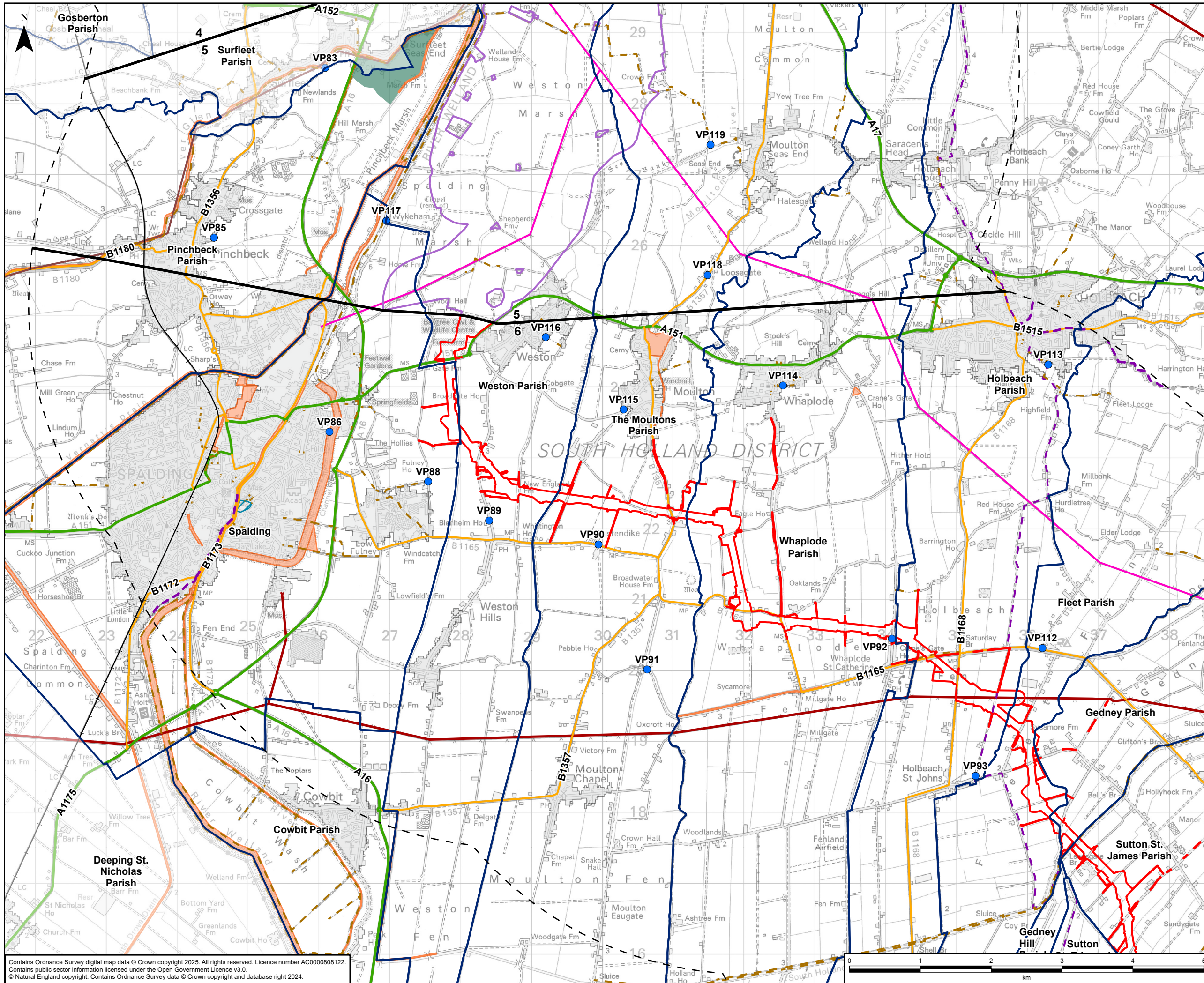
Figures

June 2025



Volume 2 Part B Section 6 Chapter 3 – Figure List

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

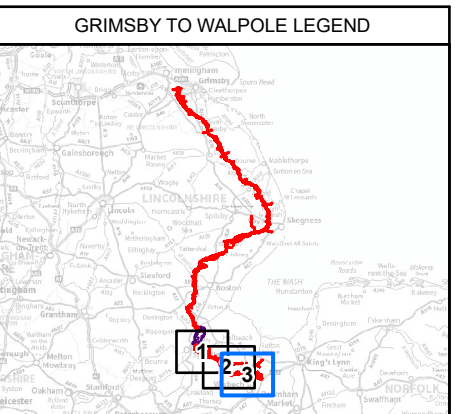
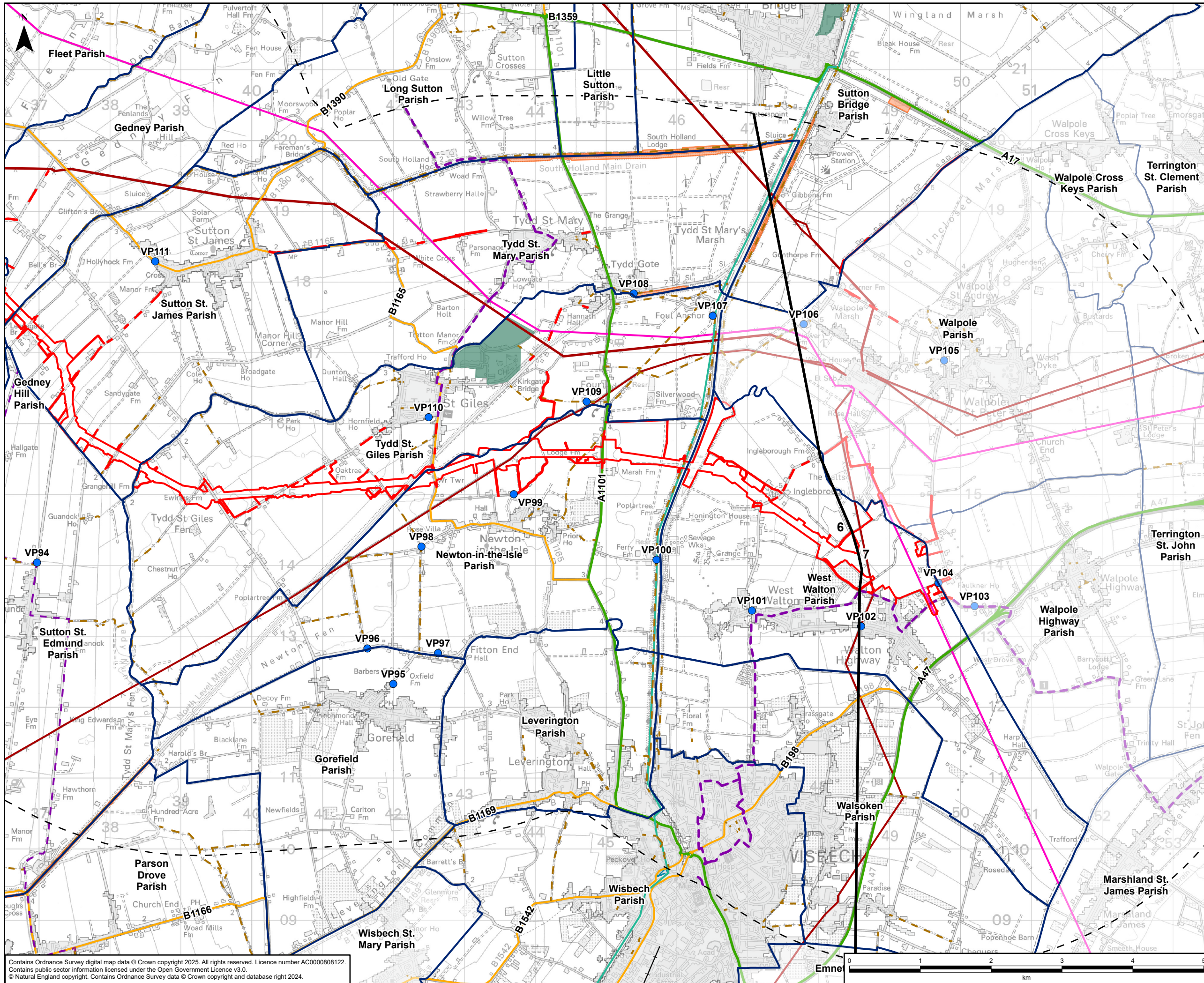


- Legend**
- ▭ Draft Order Limits
 - Refined Weston Marsh Substation Siting Zone
 - Route Section Break
 - 5km Study Area
 - Parish Boundary (assessed in this Section)
 - Viewpoint Location
 - A Road
 - B Road
 - National Grid Existing Overhead Line 400kV
 - DNO Existing Overhead Line 132kV
 - Registered Park and Gardens
 - Built Up Area
 - Recreational Route**
 - Public Rights of Way (PRoW)
 - National Cycle Network
 - MacMillan Way
 - Greenwich Meridian Trail
 - Visitor Destination**
 - Golf Course
 - Local Nature Reserve
 - Local Wildlife Site

A	08/05/2025	First Issue	LC	HJ	DR
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nationalgrid					
Purpose: PEI REPORT - SECTION 6					
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
Document Type:	Scale:	Format:	Sheets:	Rev:	
FIGURE	1:50,000	A3	1 OF 3	A	

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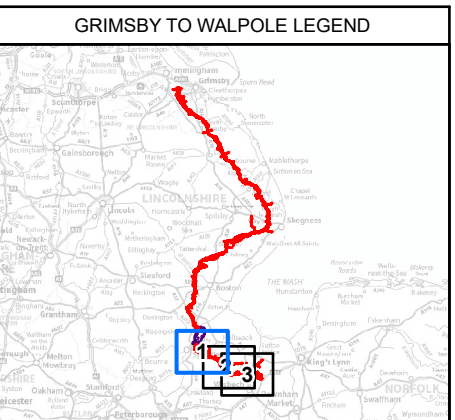
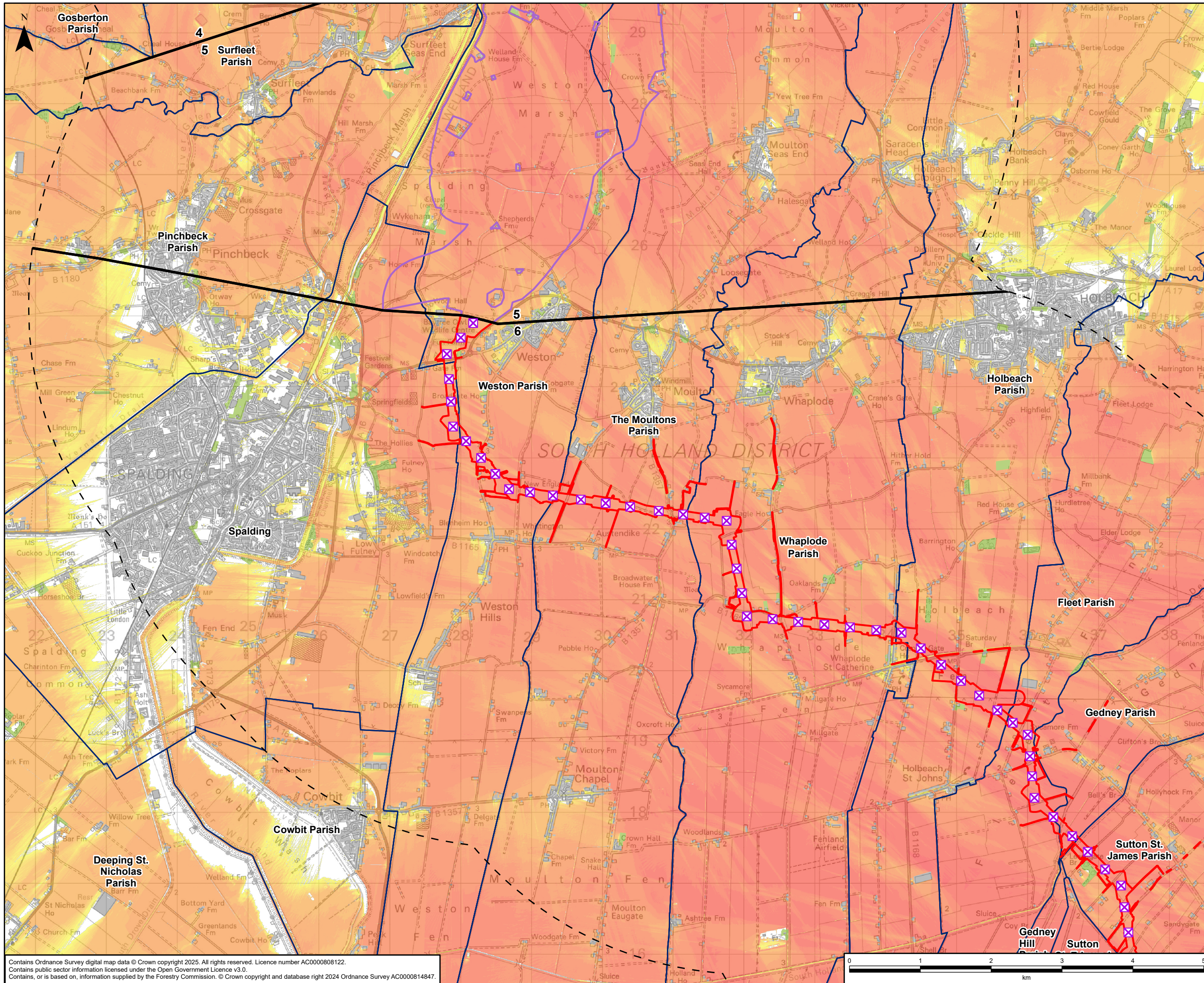


- Legend**
- Draft Order Limits
 - Route Section Break
 - 5km Study Area
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 - Viewpoint Location
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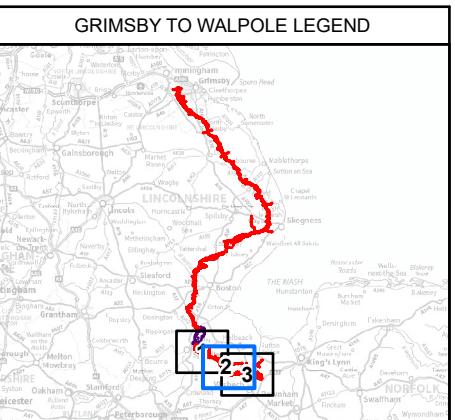
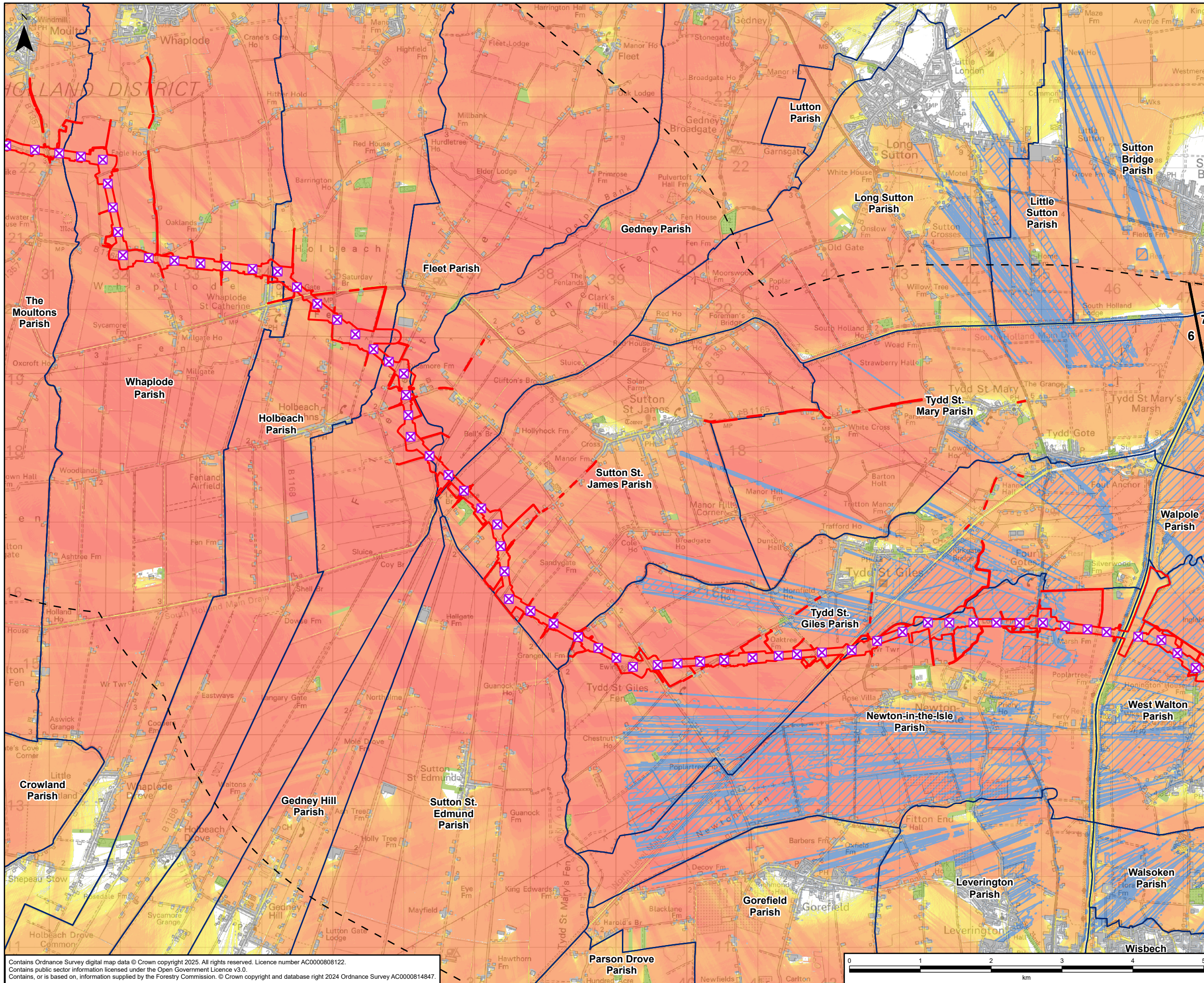
- Legend**
- Draft Order Limits
 - Refined Weston Marsh Substation Siting Zone
 - Route Section Break
 - 5km Study Area
 - Parish Boundary
 - ✕ Indicative New Lattice Pylon
 - Existing Building - 8m Height
 - National Forest Inventory Woodland - 15m Height
- Zone of Theoretical Visibility - Number of 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 6					
Scheme: GRIMSBY TO WALPOLE					
Document Title: FIGURE 3.2 ZONE OF THEORETICAL VISIBILITY (ZTV)					
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Legend

- Draft Order Limits
- Route Section Break
- 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

Zone of Theoretical Visibility - Number of Towers Visible
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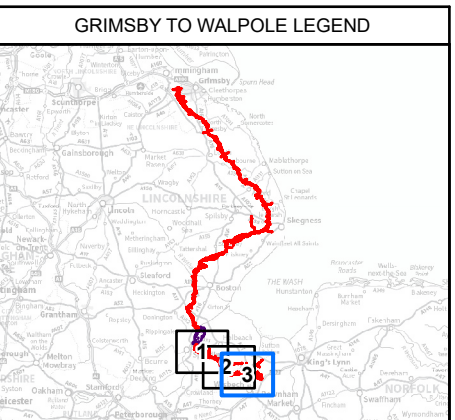
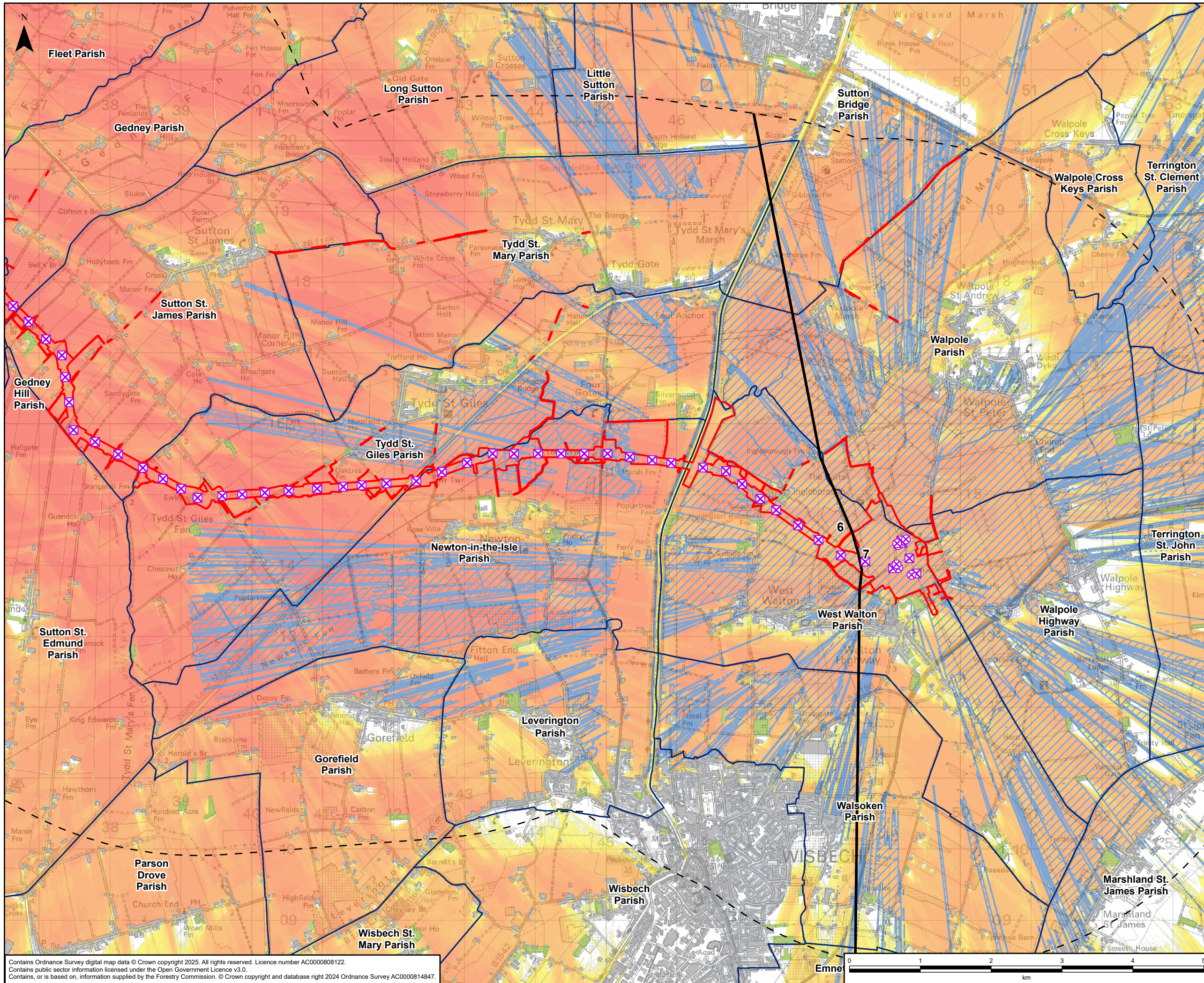
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Document Title: **FIGURE 3.2**
 ZONE OF THEORETICAL VISIBILITY (ZTV)

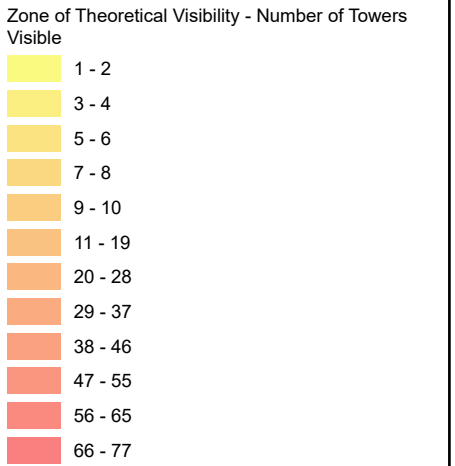
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- Legend**
- Draft Order Limits
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 - 5km Study Area
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 - X Indicative New Lattice Pylon
 - X Indicative New Gantry
 - Existing Building - 8m Height
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