

The Great Grid Upgrade

Grimsby to Walpole

Preliminary Environmental Information Report

Volume 2 Part B Section Specific Assessments

Section 3 New Lincolnshire Connection Substations A and B

Chapter 3 Visual

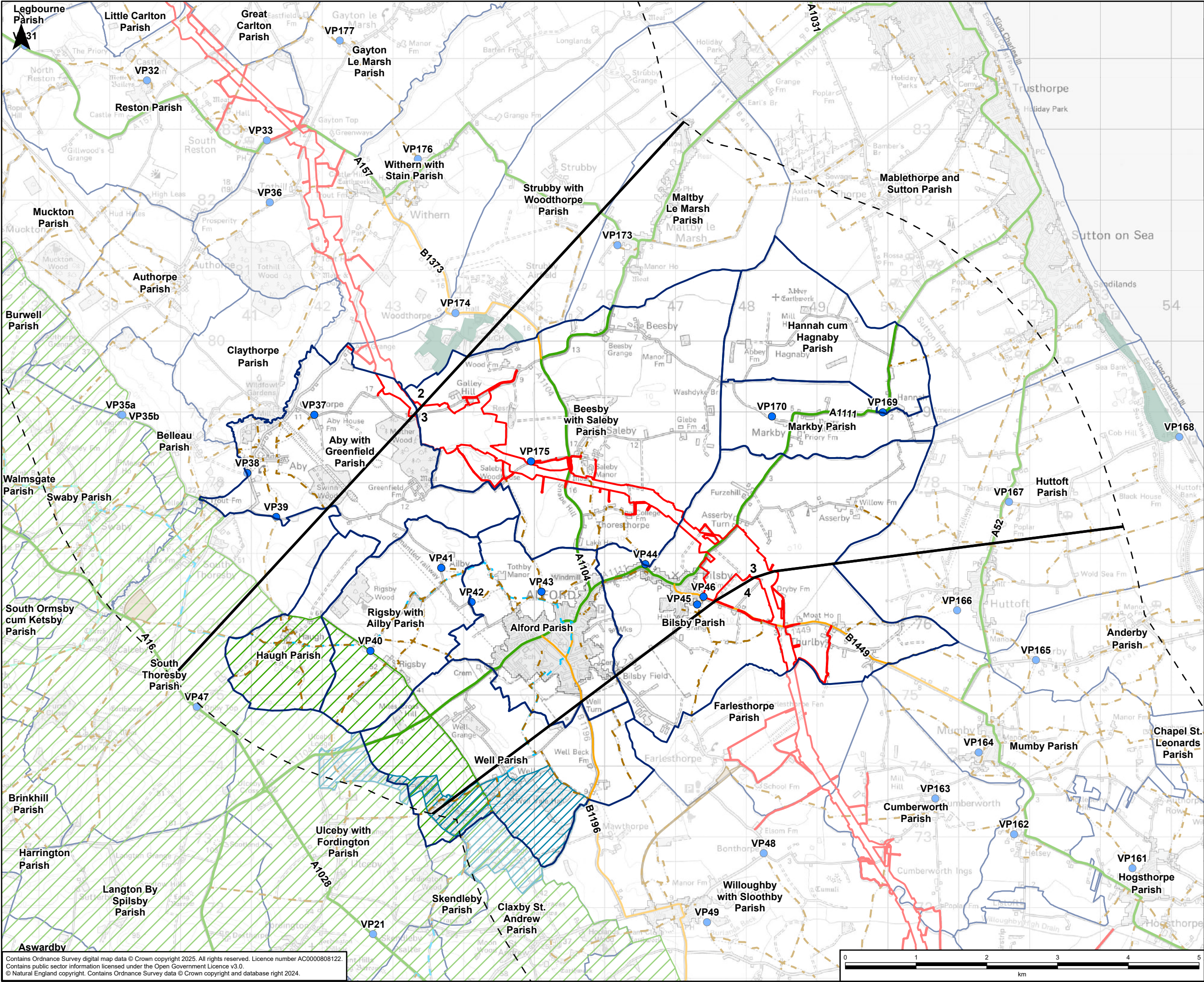
Figures

June 2025



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Figure 3.2	Zone of Theoretical Visibility (ZTV)



GRIMSBY TO WALPOLE LEGEND

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 Loop

Visitor Destination

Golf Course

Local Nature Reserve

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

nationalgrid

Purpose:

PEI REPORT - SECTION 3

Scheme:

GRIMSBY TO WALPOLE

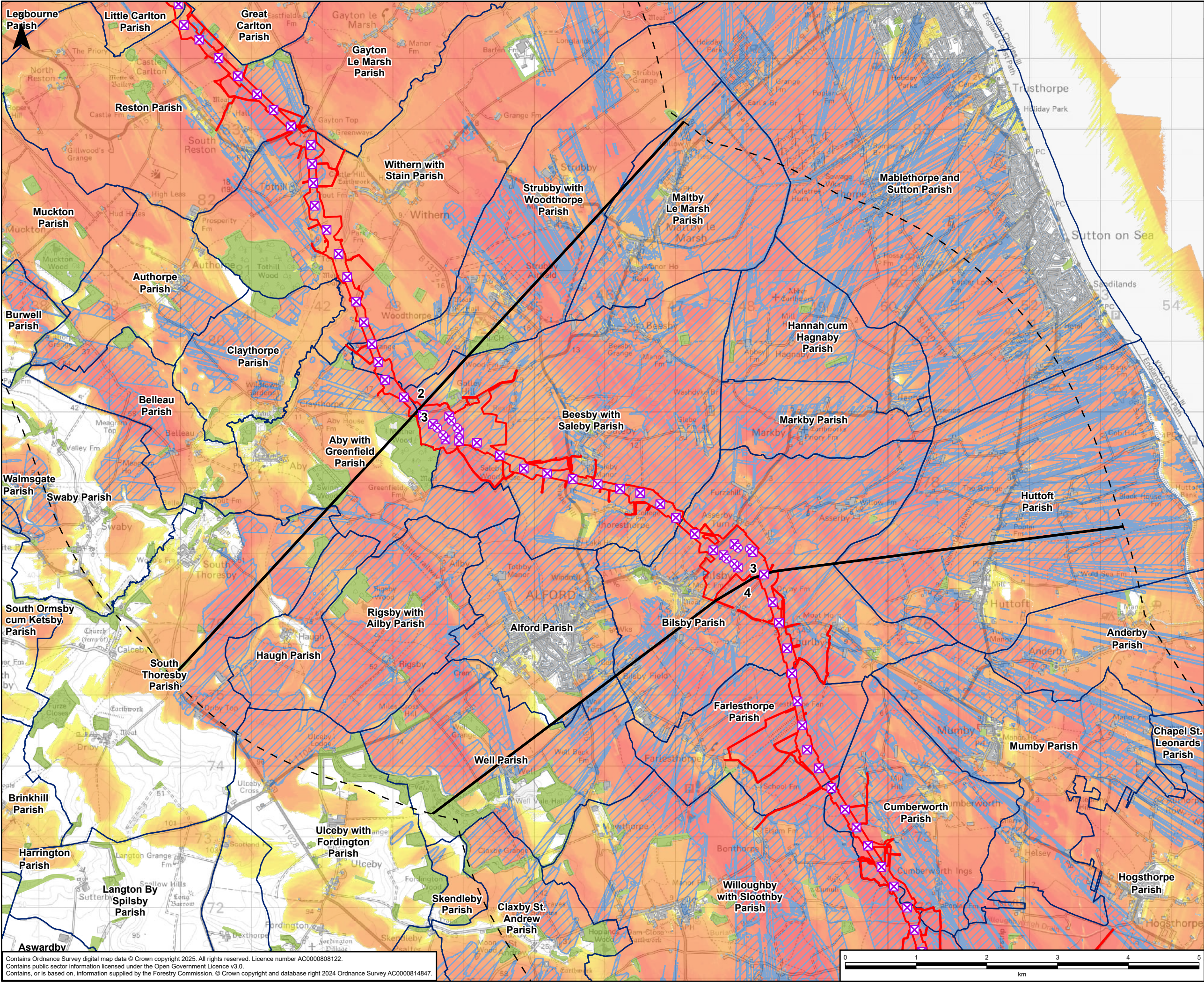
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FIGURE 3.1
VISUAL RECEPTORS AND VIEWPOINTS

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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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

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:

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Scheme:

GRIMSBY TO WALPOLE

Document Title:

FIGURE 3.2
ZONE OF THEORETICAL VISIBILITY (ZTV)

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FIGURE	1:50,000	A3	1 OF 1	A

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