

The background image shows two women walking on a dirt path through a field of tall grass and wildflowers. The woman on the left is wearing a plaid shirt, a dark vest, and jeans, and is holding a leash for a black and white dog. The woman on the right is wearing a dark jacket and leggings. In the background, there are several power line towers under a blue sky with scattered white clouds.

The Great Grid Upgrade

Grimsby to Walpole

Preliminary Environmental Information Report

Volume 2 Part B Section Specific Assessments

Section 1 New Grimsby West Substation

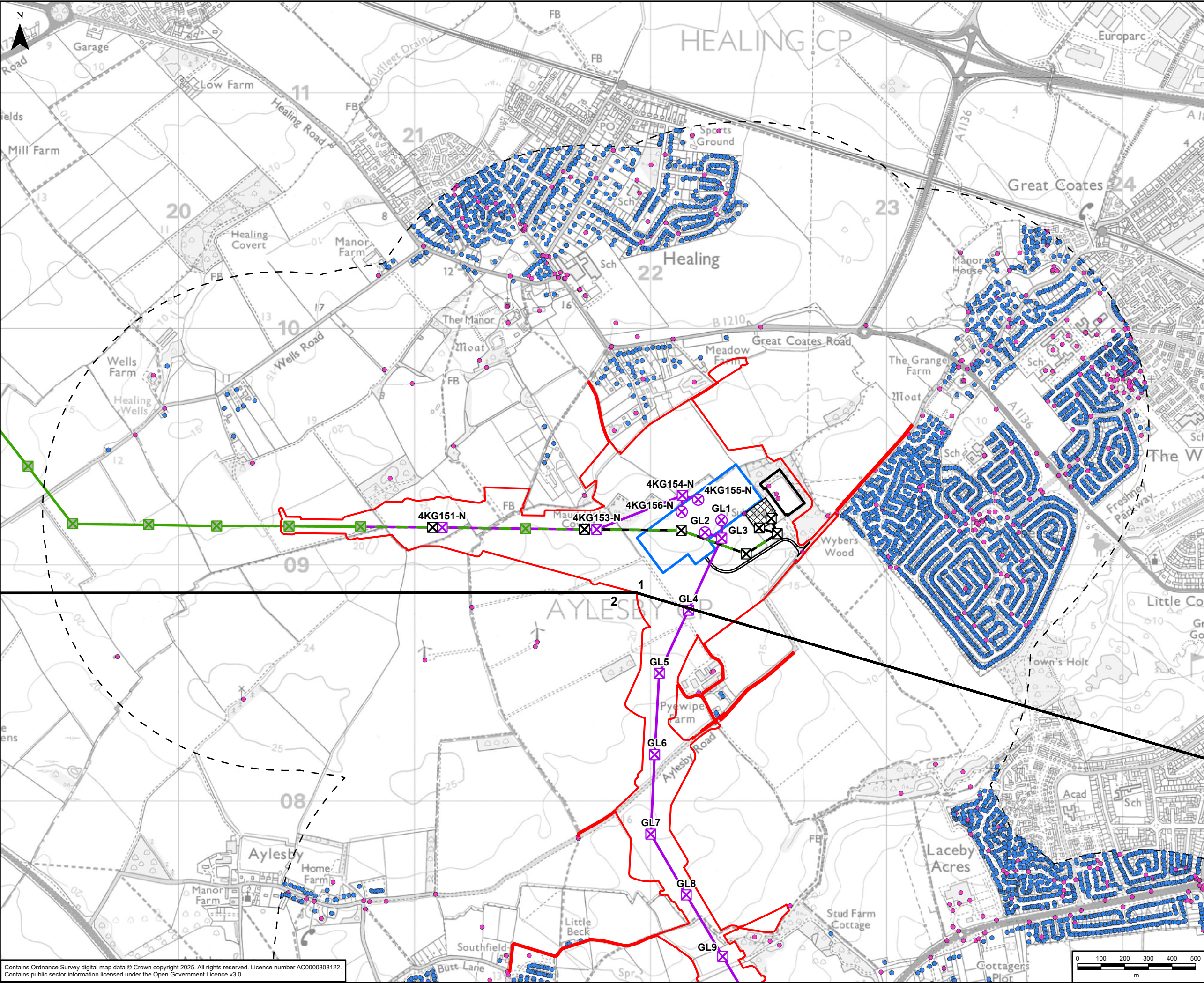
Chapter 10 Noise and Vibration

Figures

June 2025

Volume 2 Part B Section 1 Chapter 10 – Figure List

Figure number	Figure title
Figure 10.1	Noise and Vibration Study Area
Figure 10.2	Noise and Vibration Baseline
Figure 10.3	Initial Construction Noise Assessment Outputs
Figure 10.4	Initial Construction Vibration Assessment Outputs



GRIMSBY TO WALPOLE LEGEND

Legend

- Draft Order Limits
- Route Section Break
- 1km Study Area
- Indicative New Lattice Pylon
- Indicative New Gantry
- Existing Lattice Pylon - Not Affected
- Existing Lattice Pylon - To Be Dismantled
- Indicative New Overhead Line
- Existing Overhead Line - Not Affected
- Existing Overhead Line - To Be Dismantled
- Existing Overhead Line - To Be Modified
- Existing Substation Boundary
- Existing Substation to be Demolished
- Indicative New Substation Boundary
- Indicative Permanent Substation Access Route

Address Data

- Residential
- Non-Residential

A	09/05/2025	First Issue	LC	DG	DR
Rev	Date	Description	GIS	Chk	App

nationalgrid

Purpose: PEI REPORT - SECTION 1

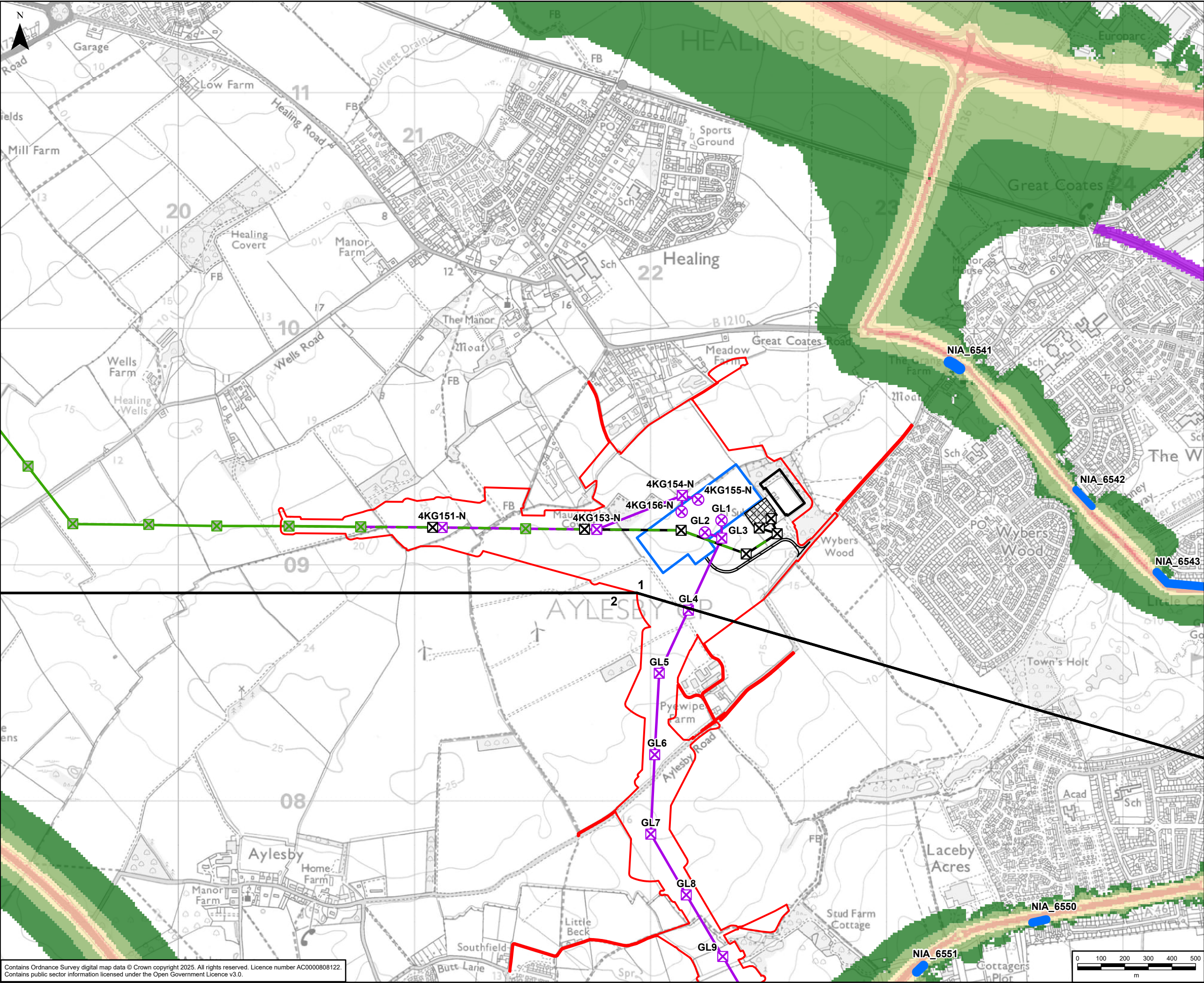
Scheme: GRIMSBY TO WALPOLE

Document Title: FIGURE 10.1 NOISE AND VIBRATION STUDY AREA

Creator: LC	Date: 09/05/2025	Checker: DG	Date: 09/05/2025	Approver: DR	Date: 09/05/2025
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GRIMSBY TO WALPOLE LEGEND

Legend

- Draft Order Limits
- Route Section Break
- Indicative New Lattice Pylon
- Indicative New Gantry
- Existing Lattice Pylon - Not Affected
- Existing Lattice Pylon - To Be Dismantled
- Indicative New Overhead Line
- Existing Overhead Line - Not Affected
- Existing Overhead Line - To Be Dismantled
- Existing Overhead Line - To Be Modified
- Existing Substation Boundary
- Existing Substation to be Demolished
- Indicative New Substation Boundary
- Indicative Permanent Substation Access Route
- Noise Important Area

Defra Noise Data (Rail)

- 55.0-59.9

Defra Noise Data (Road) - dBA

- >=75.0
- 70.0-74.9
- 65.0-69.9
- 60.0-64.9
- 55.0-59.9

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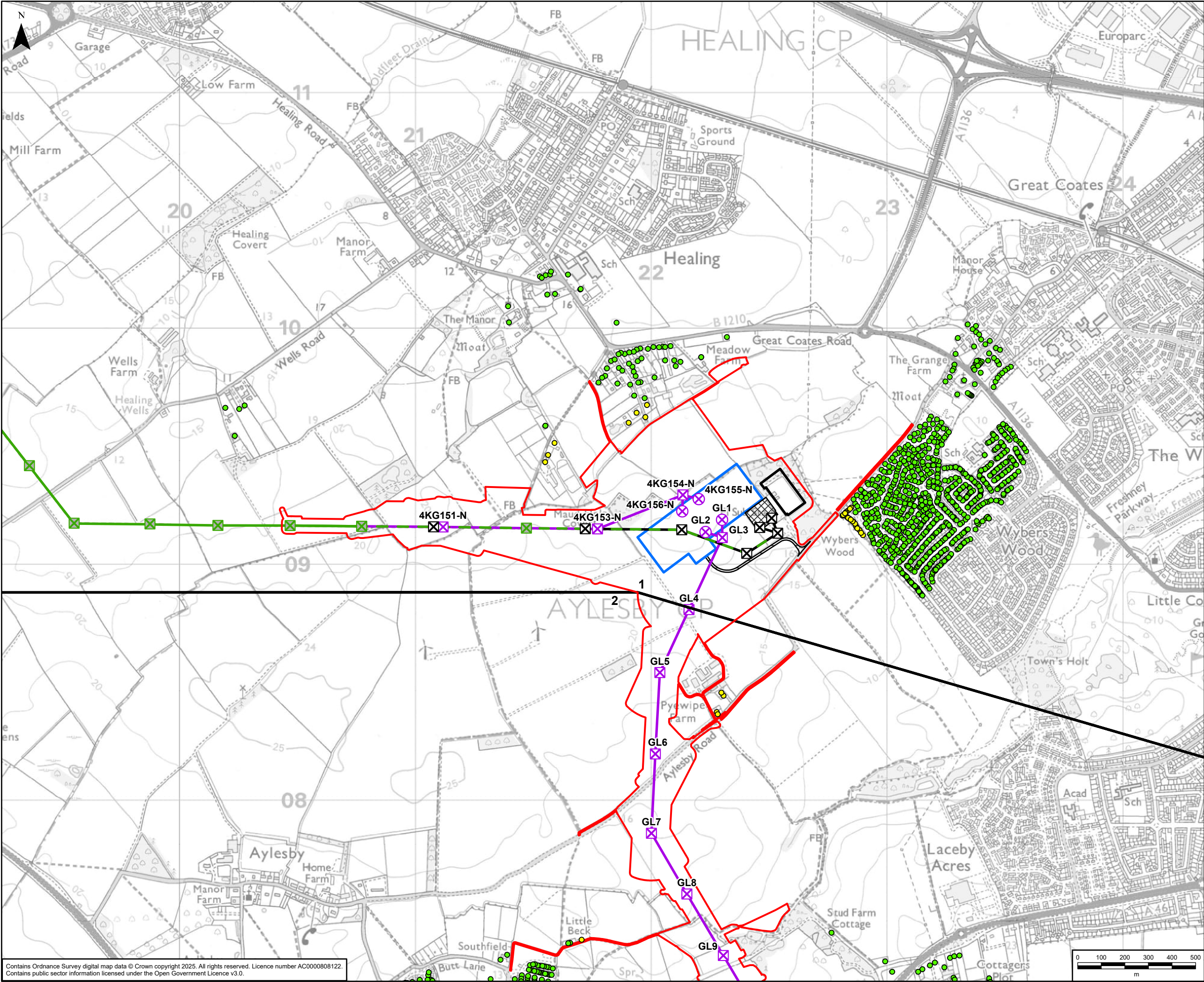
Purpose: PEI REPORT - SECTION 1

Scheme: GRIMSBY TO WALPOLE

Document Title: FIGURE 10.2 NOISE AND VIBRATION BASELINE

Creator: LC	Date: 09/05/2025	Checker: DG	Date: 09/05/2025	Approver: DR	Date: 09/05/2025
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GRIMSBY TO WALPOLE LEGEND

Legend

- Draft Order Limits
- Route Section Break
- Indicative New Lattice Pylon
- Indicative New Gantry
- Existing Lattice Pylon - Not Affected
- Existing Lattice Pylon - To Be Dismantled
- Indicative New Overhead Line
- Existing Overhead Line - Not Affected
- Existing Overhead Line - To Be Dismantled
- Existing Overhead Line - To Be Modified
- Existing Substation Boundary
- Existing Substation to be Demolished
- Indicative New Substation Boundary
- Indicative Permanent Substation Access Route

Construction Noise Levels

- Negligible
- Small

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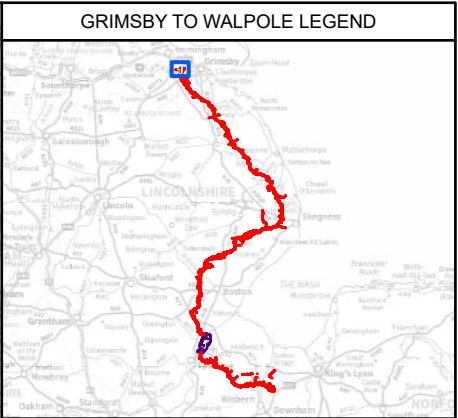
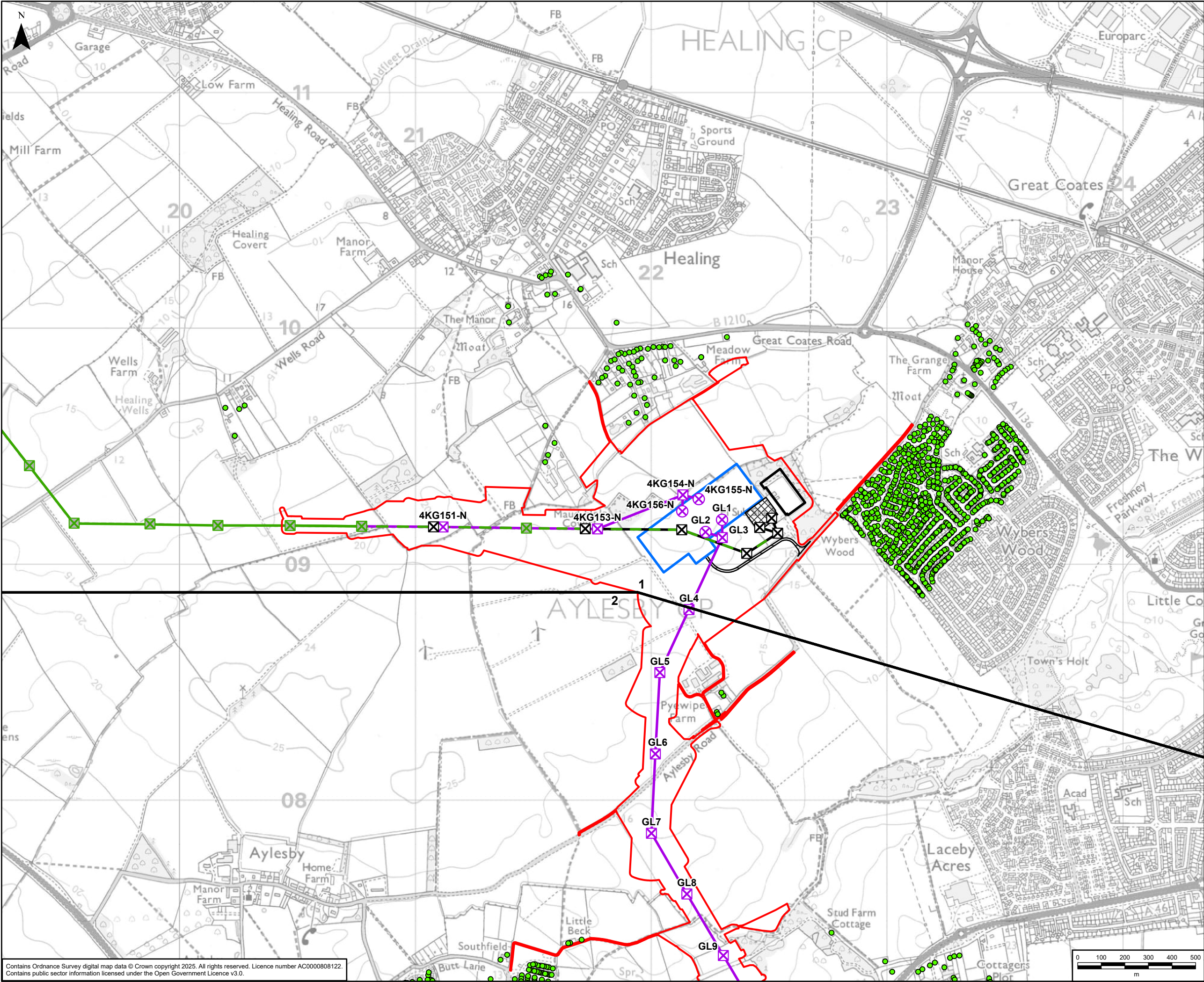
Purpose: PEI REPORT - SECTION 1

Scheme: GRIMSBY TO WALPOLE

Document Title: FIGURE 10.3
INITIAL CONSTRUCTION NOISE ASSESSMENT OUTPUTS

Creator: LC	Date: 09/05/2025	Checker: DG	Date: 09/05/2025	Approver: DR	Date: 09/05/2025
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Legend

- Draft Order Limits
- Route Section Break
- Indicative New Lattice Pylon
- Indicative New Gantry
- Existing Lattice Pylon - Not Affected
- Existing Lattice Pylon - To Be Dismantled
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- Existing Overhead Line - To Be Dismantled
- Existing Overhead Line - To Be Modified
- Existing Substation Boundary
- Existing Substation to be Demolished
- Indicative New Substation Boundary
- Indicative Permanent Substation Access Route

Construction Vibration Levels

- Negligible

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nationalgrid					
Purpose:		PEI REPORT - SECTION 1			
Scheme:		GRIMSBY TO WALPOLE			
Document Title:		FIGURE 10.4 INITIAL CONSTRUCTION VIBRATION ASSESSMENT OUTPUTS			
Creator:	Date:	Checker:	Date:	Approver:	Date:
LC	09/05/2025	DG	09/05/2025	DR	09/05/2025
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