

## 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 9 Traffic and Movement

Figures

June 2025

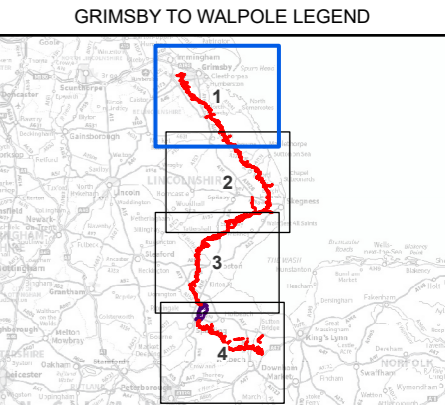
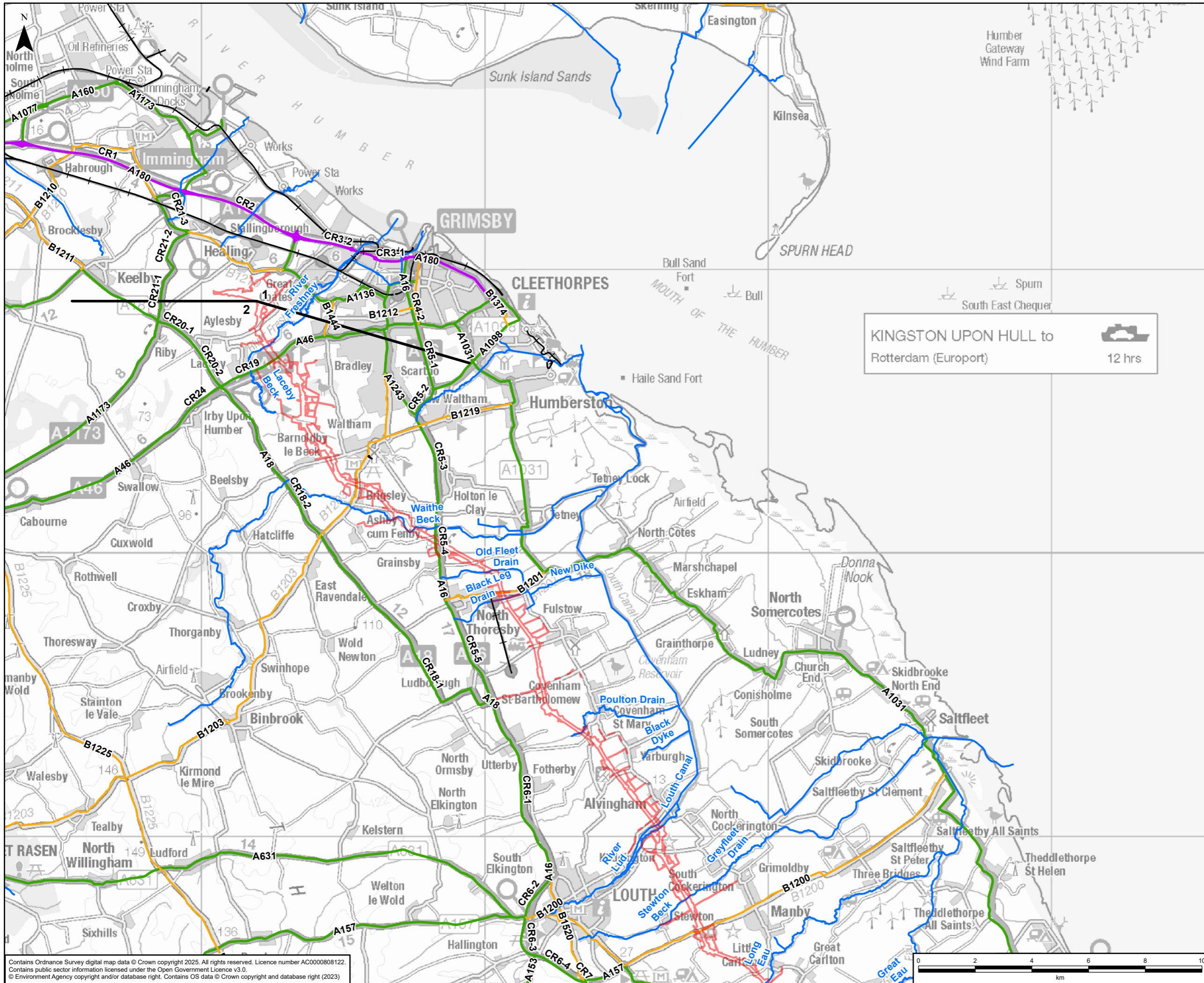




# Volume 2 Part B Section 6 Chapter 9 – Figure List

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Figure 9.3	Existing Public Rights of Way (PROW)
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- Legend**
- Draft Order Limits
  - Route Section Break
  - Strategic Road Network
  - A Road
  - B Road
  - Railway
  - Waterway
- CR: Primary Access Route - Core Route

KINGSTON UPON HULL to  
Rotterdam (Europort) 12 hrs

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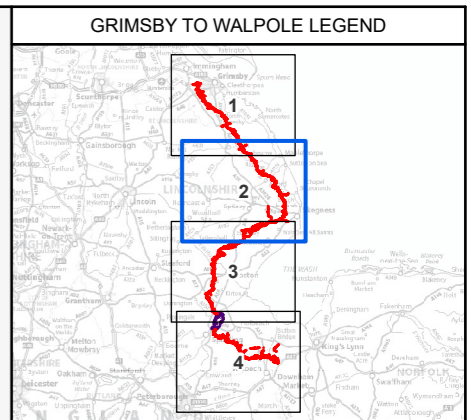
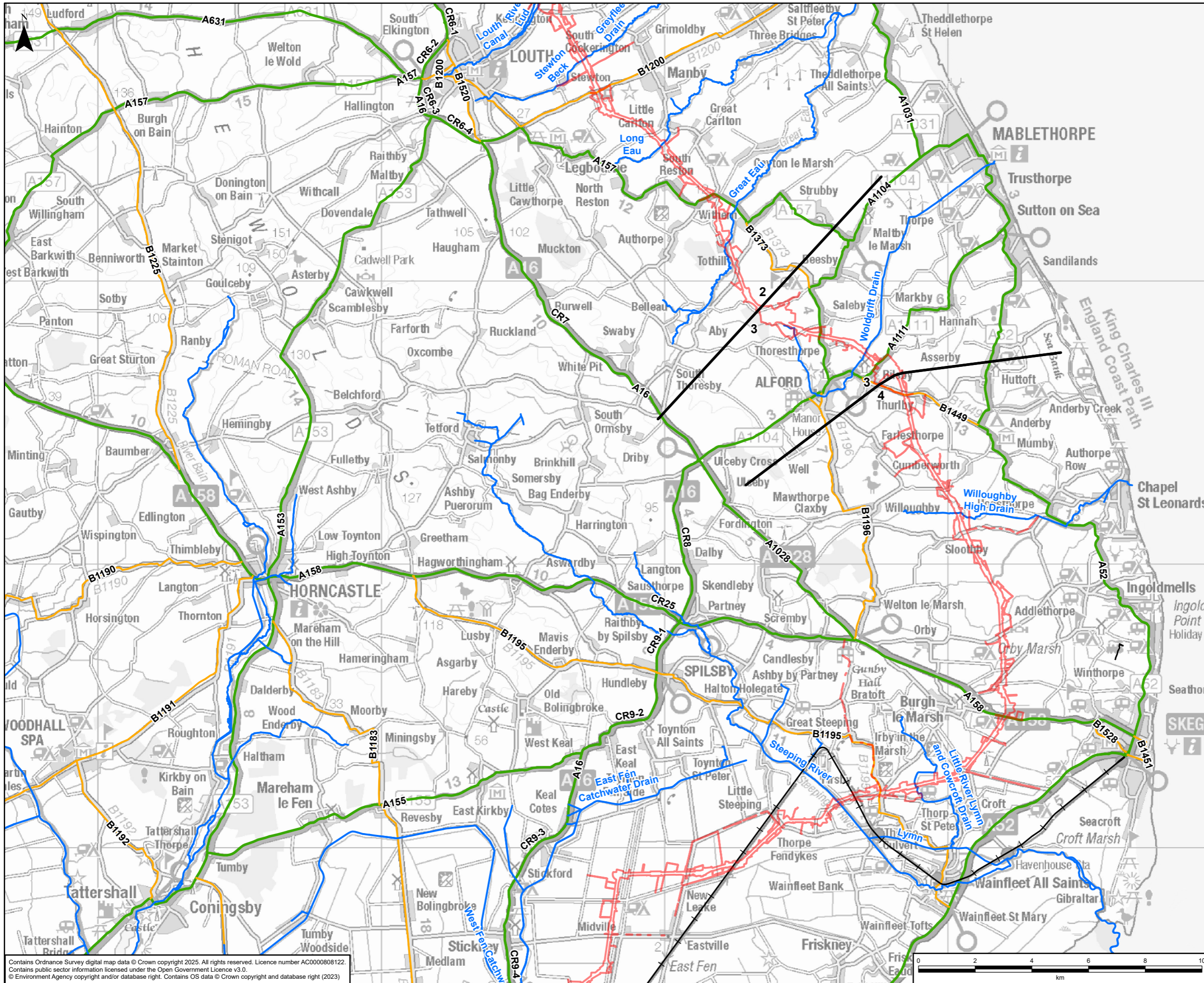
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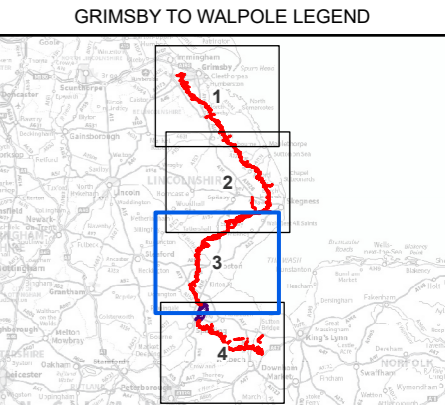
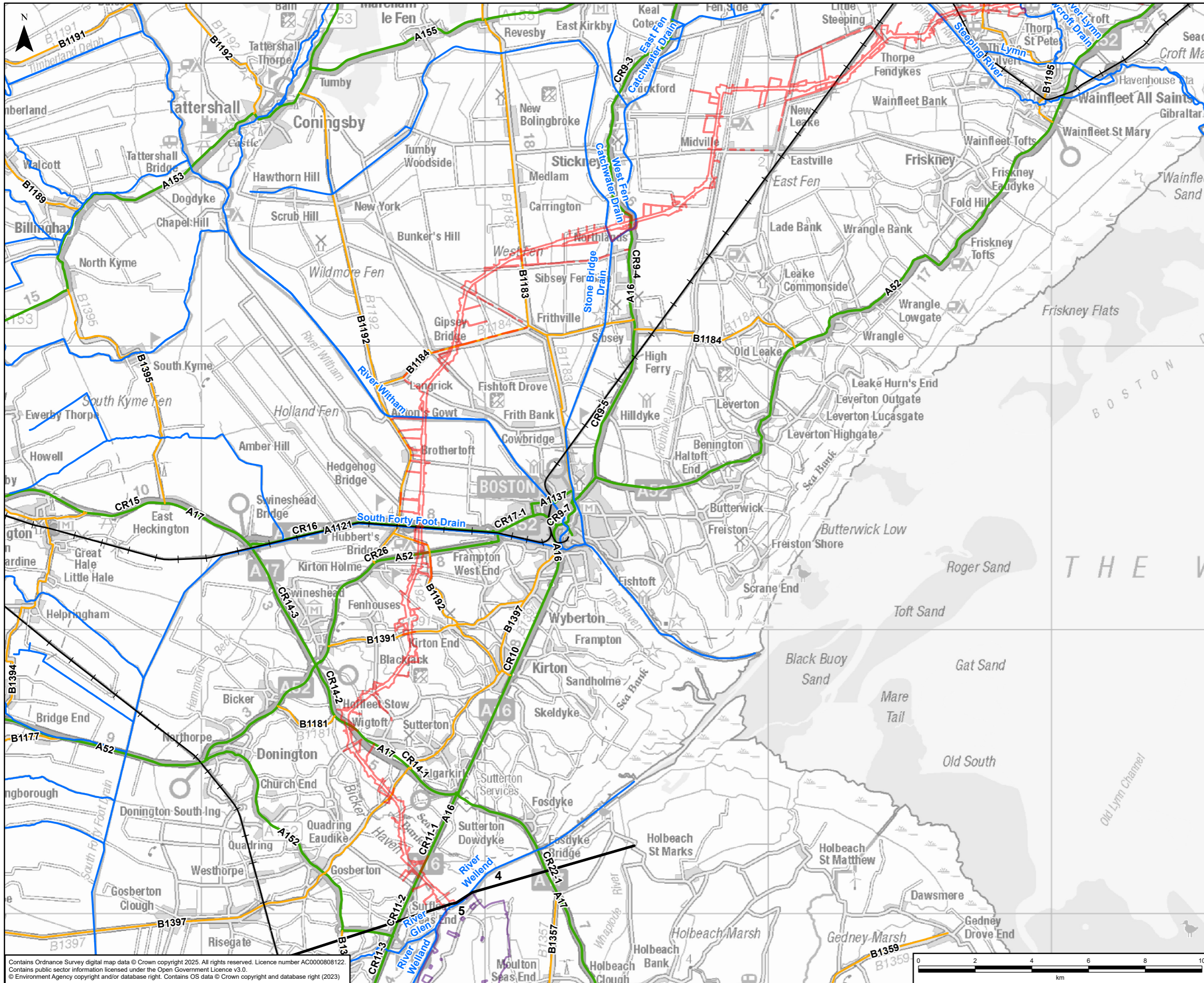
- Legend**
- Draft Order Limits
  - Route Section Break
  - A Road
  - B Road
  - Railway
  - Waterway
- CR: Primary Access Route - Core Route

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- Legend**
- Draft Order Limits
  - Refined Weston Marsh Substation Siting Zone
  - Route Section Break
  - A Road
  - B Road
  - Railway
  - Waterway
- CR: Primary Access Route - Core Route

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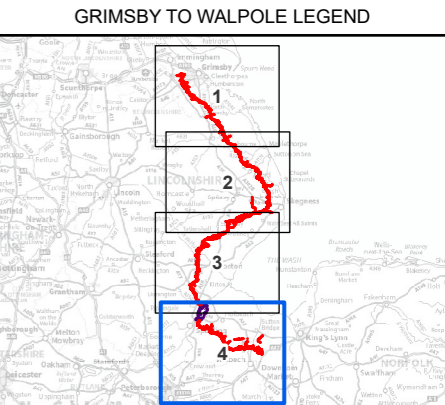
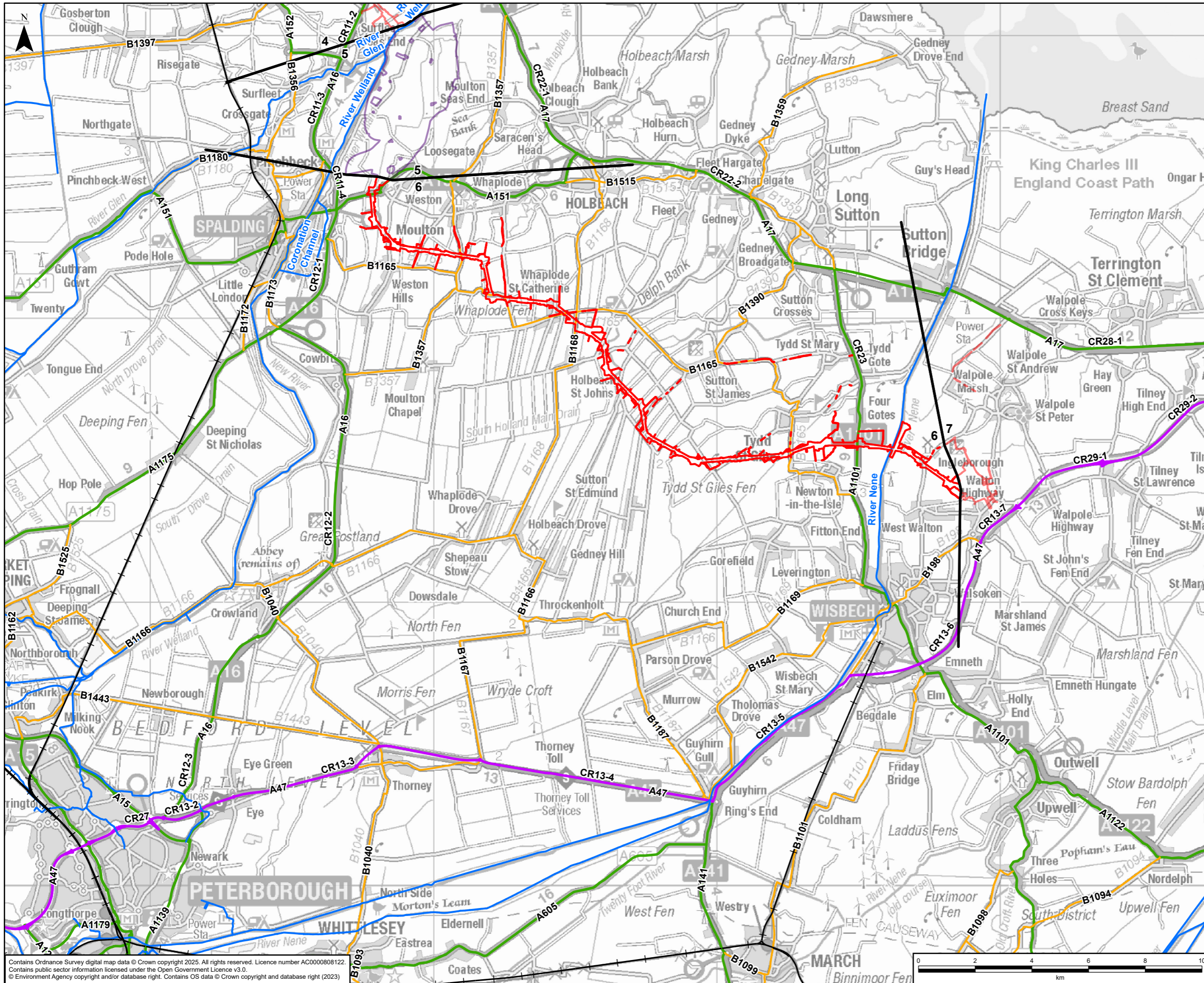
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- GRIMSBY TO WALPOLE LEGEND**
- Draft Order Limits
  - Refined Weston Marsh Substation Siting Zone
  - Route Section Break
  - Strategic Road Network
  - A Road
  - B Road
  - Railway
  - Waterway
- CR: Primary Access Route - Core Route

Rev	Date	Description	GIS	Chk	App
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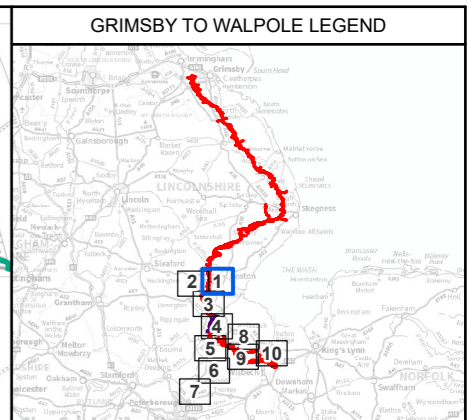
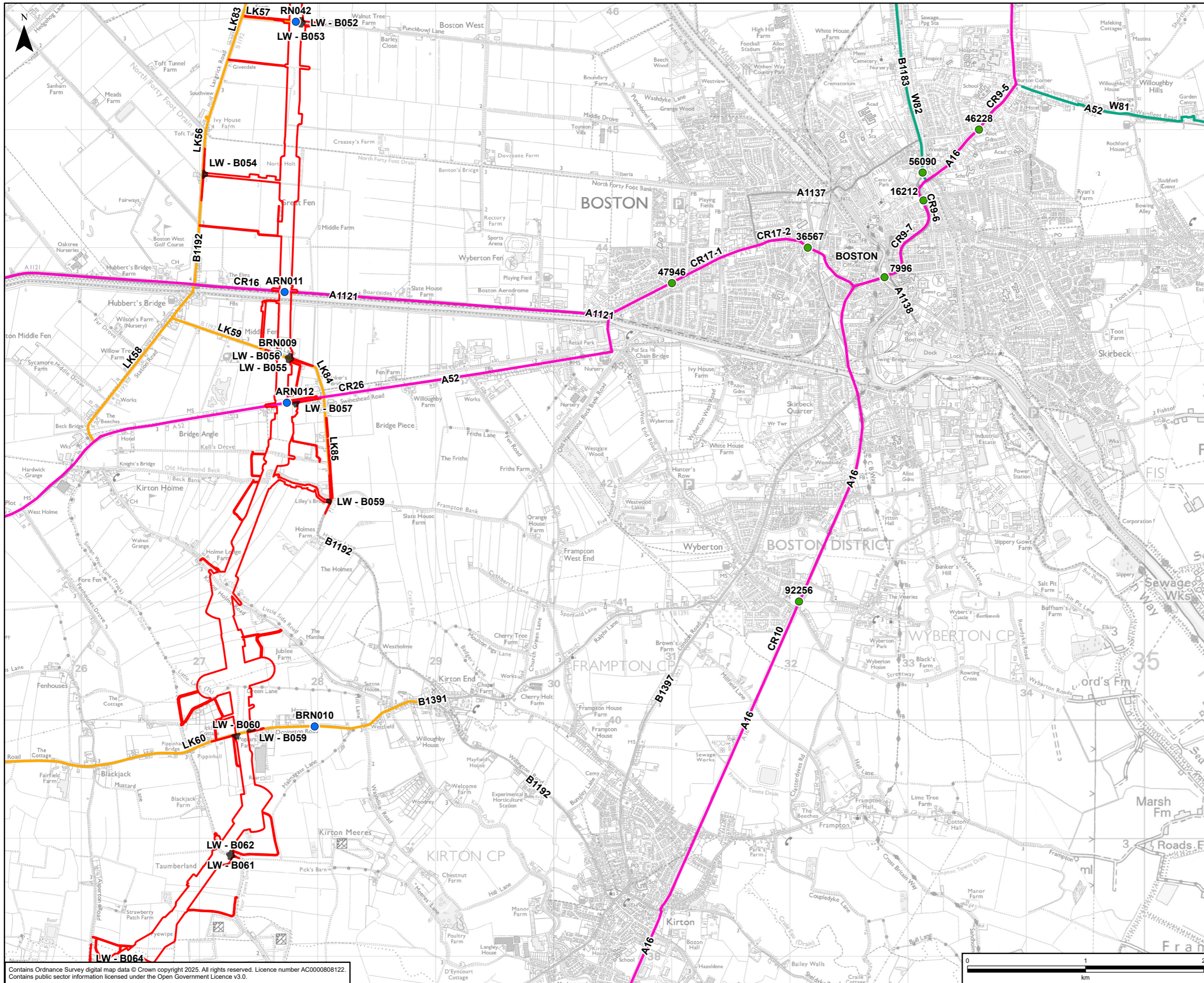
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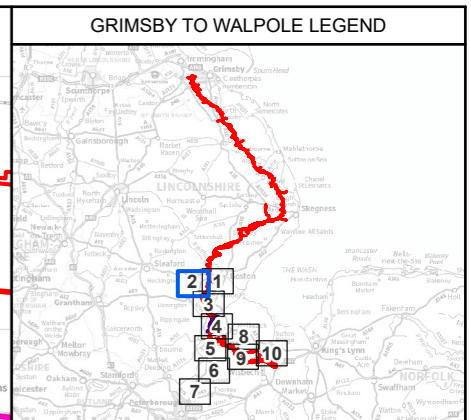
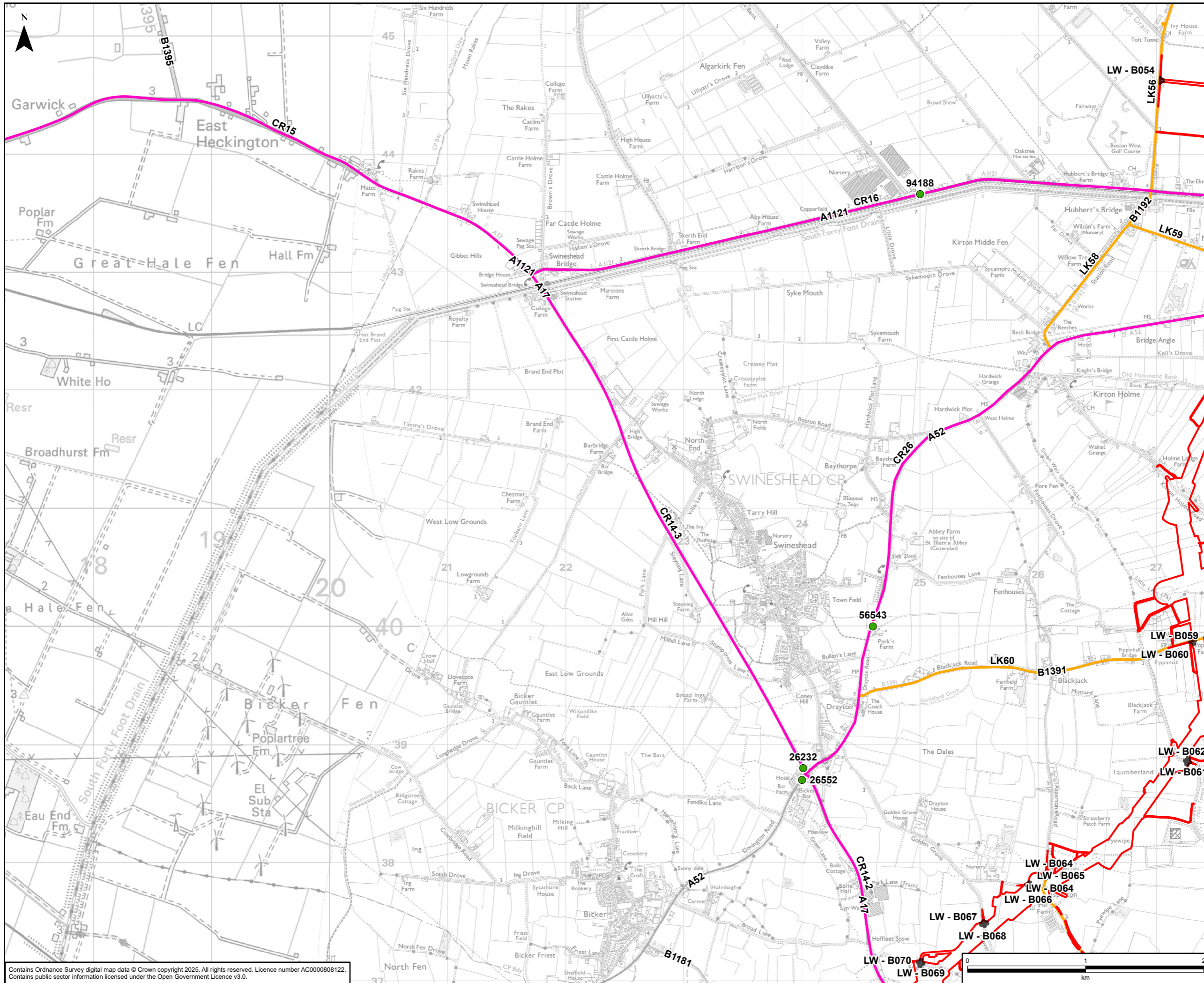
- Draft Order Limits
- DFT Counter (Site Reference)
- Traffic Count Survey (Site Reference)
- Primary Access Route - Core Route (CR)
- Primary Access Route - Local Link (LK)
- Workers Access Route (W)
- Indicative Bellmouth (Bellmouth Reference)

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Purpose:	PEI REPORT - SECTION 6				
Scheme:	GRIMSBY TO WALPOLE				
Document Title:	FIGURE 9.2 PRIMARY ACCESS ROUTES (PAR)				
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- Legend**
- Draft Order Limits
  - DfT Counter (Site Reference)
  - Primary Access Route - Core Route (CR)
  - Primary Access Route - Local Link (LK)
  - Indicative Bellmouth (Bellmouth Reference)

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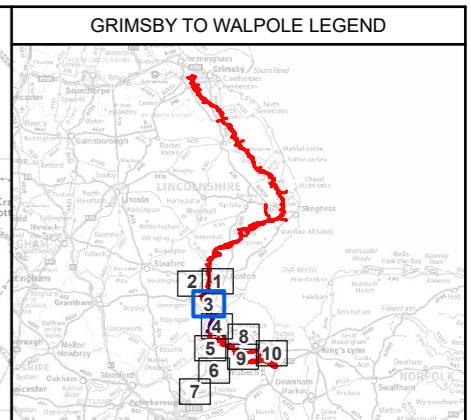
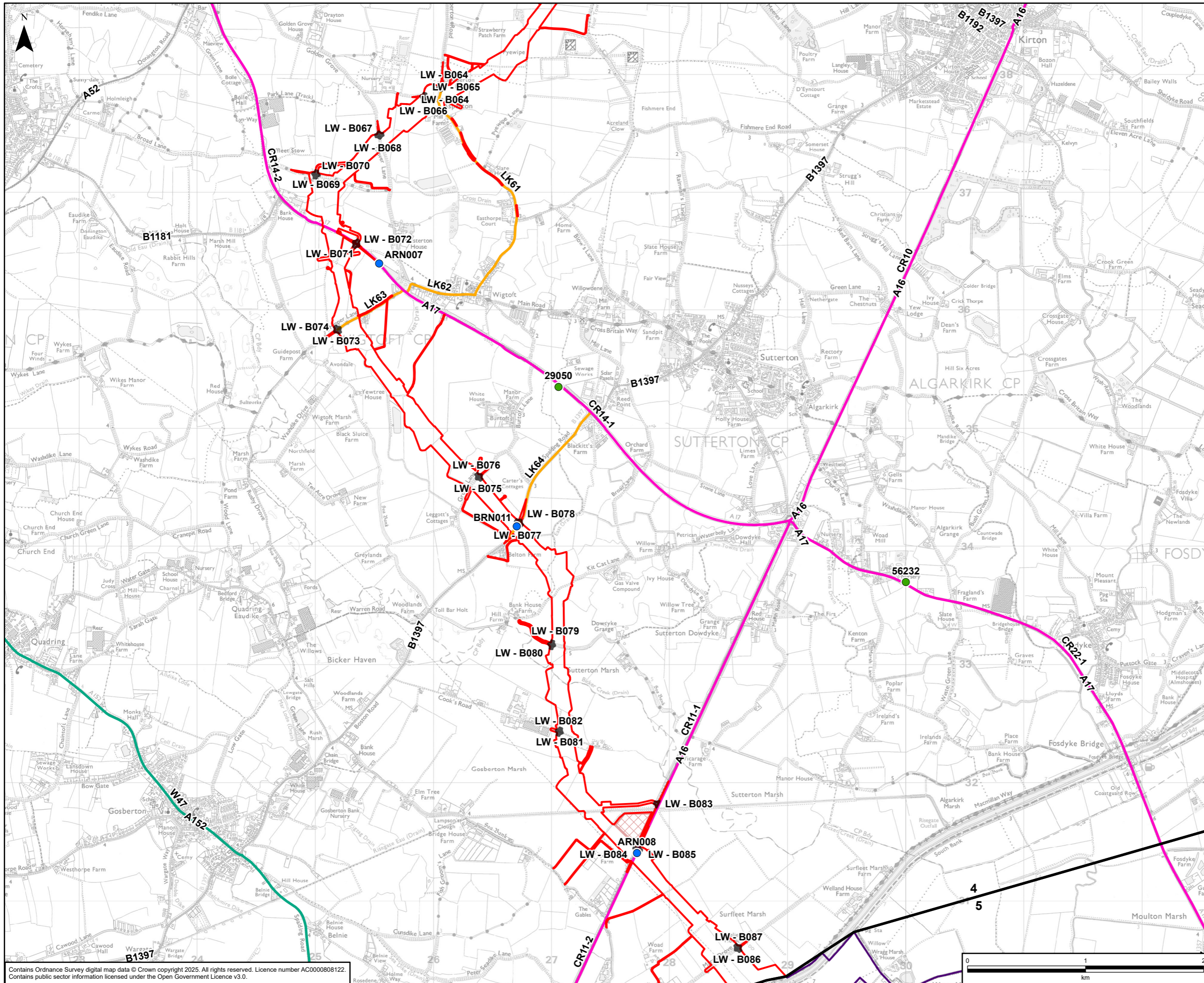
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- Legend**
- Draft Order Limits
  - Refined Weston Marsh Substation Siting Zone
  - Route Section Break
  - DFT Counter (Site Reference)
  - Traffic Count Survey (Site Reference)
  - Primary Access Route - Core Route (CR)
  - Primary Access Route - Local Link (LK)
  - Workers Access Route (W)
  - Indicative Construction Compound
  - Indicative Bellmouth (Bellmouth Reference)

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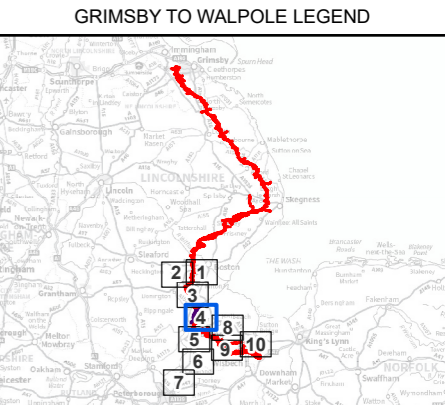
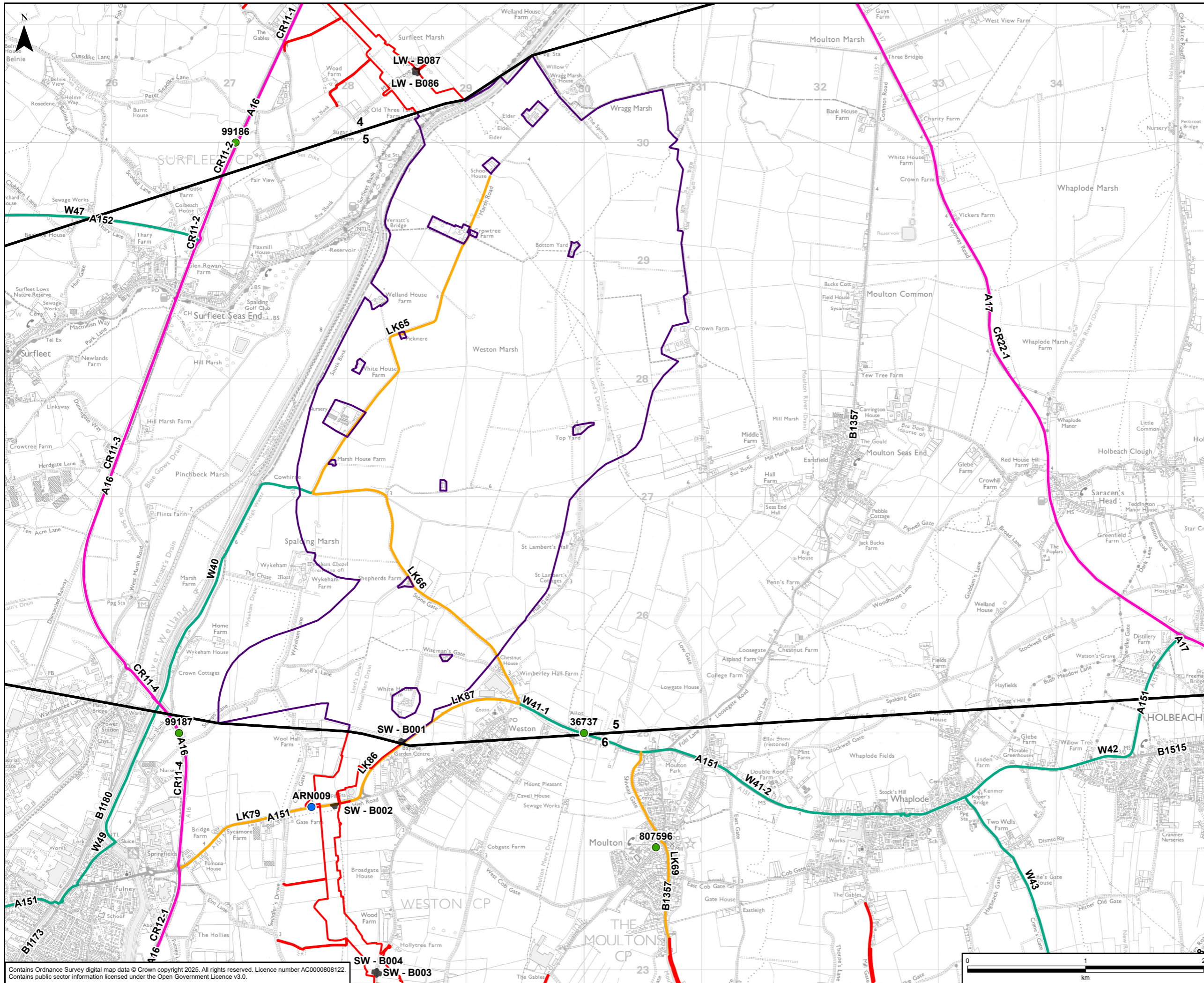
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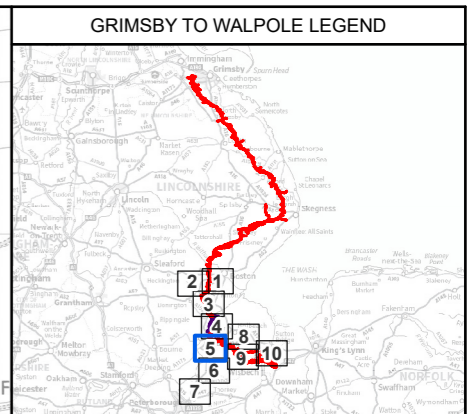
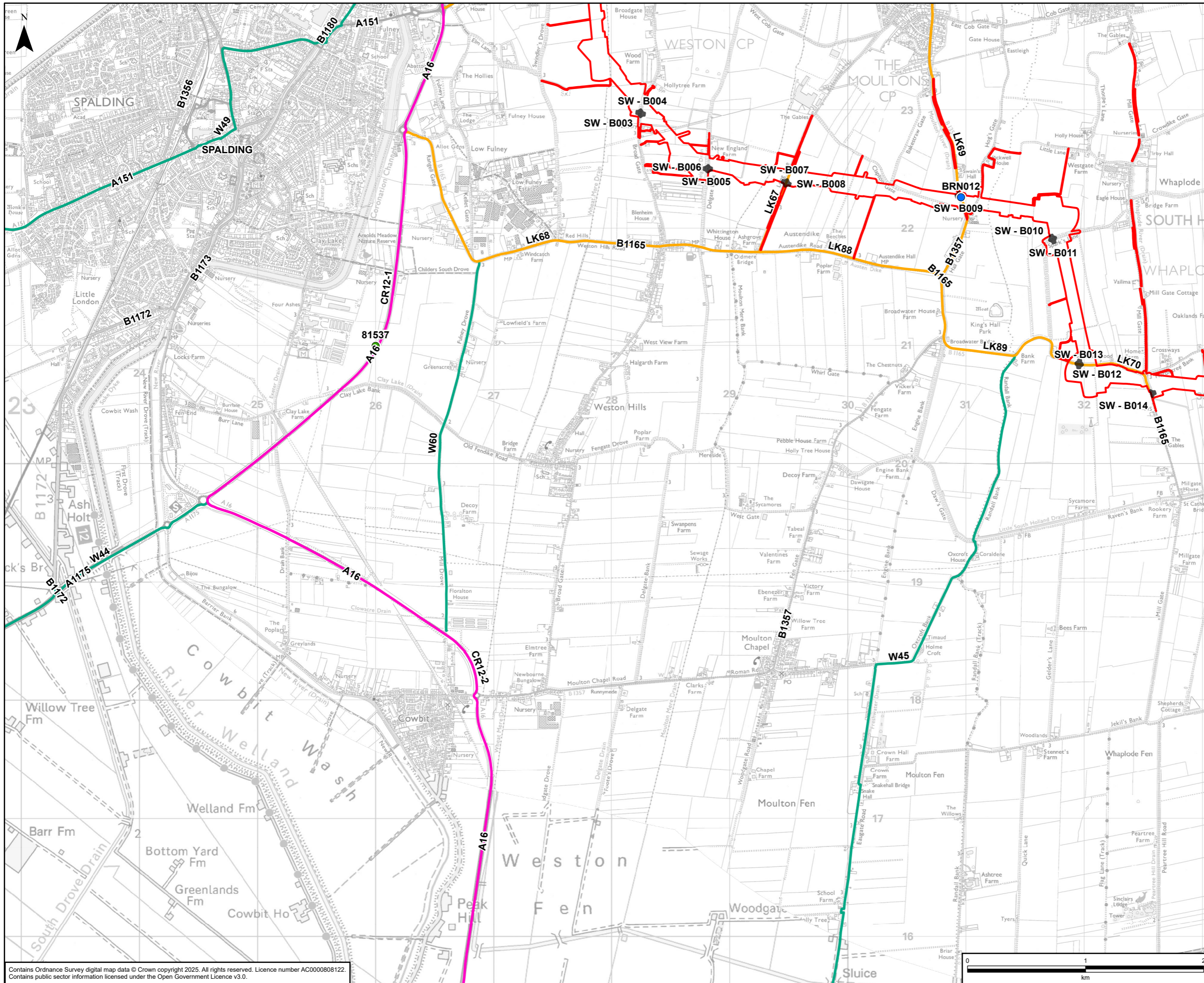
- Legend**
- Draft Order Limits
  - Refined Weston Marsh Substation Siting Zone
  - Route Section Break
  - DfT Counter (Site Reference)
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- GRIMSBY TO WALPOLE LEGEND**
- Draft Order Limits
  - DfT Counter (Site Reference)
  - Traffic Count Survey (Site Reference)
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  - Workers Access Route (W)
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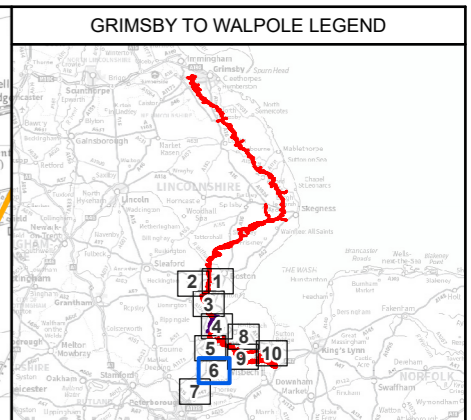
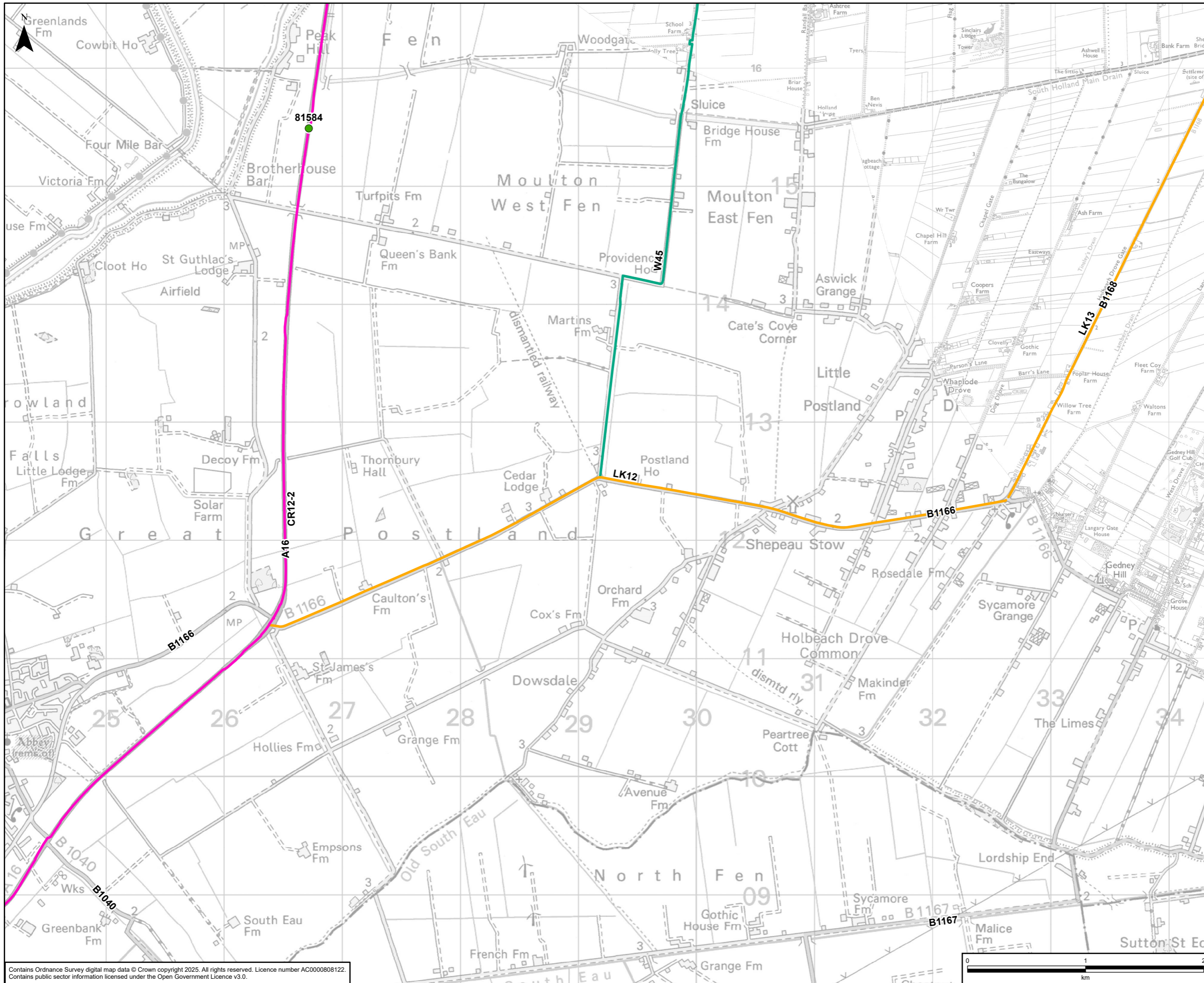
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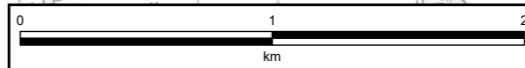


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- DFT Counter (Site Reference)
  - Primary Access Route - Core Route (CR)
  - Primary Access Route - Local Link (LK)
  - Workers Access Route (W)

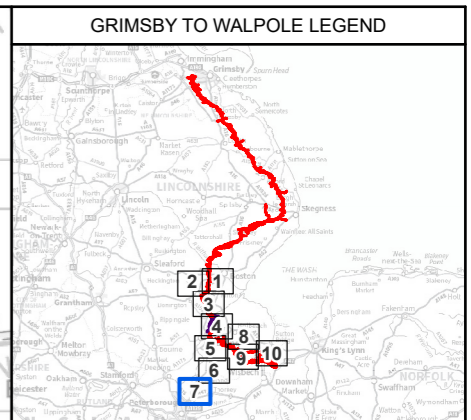
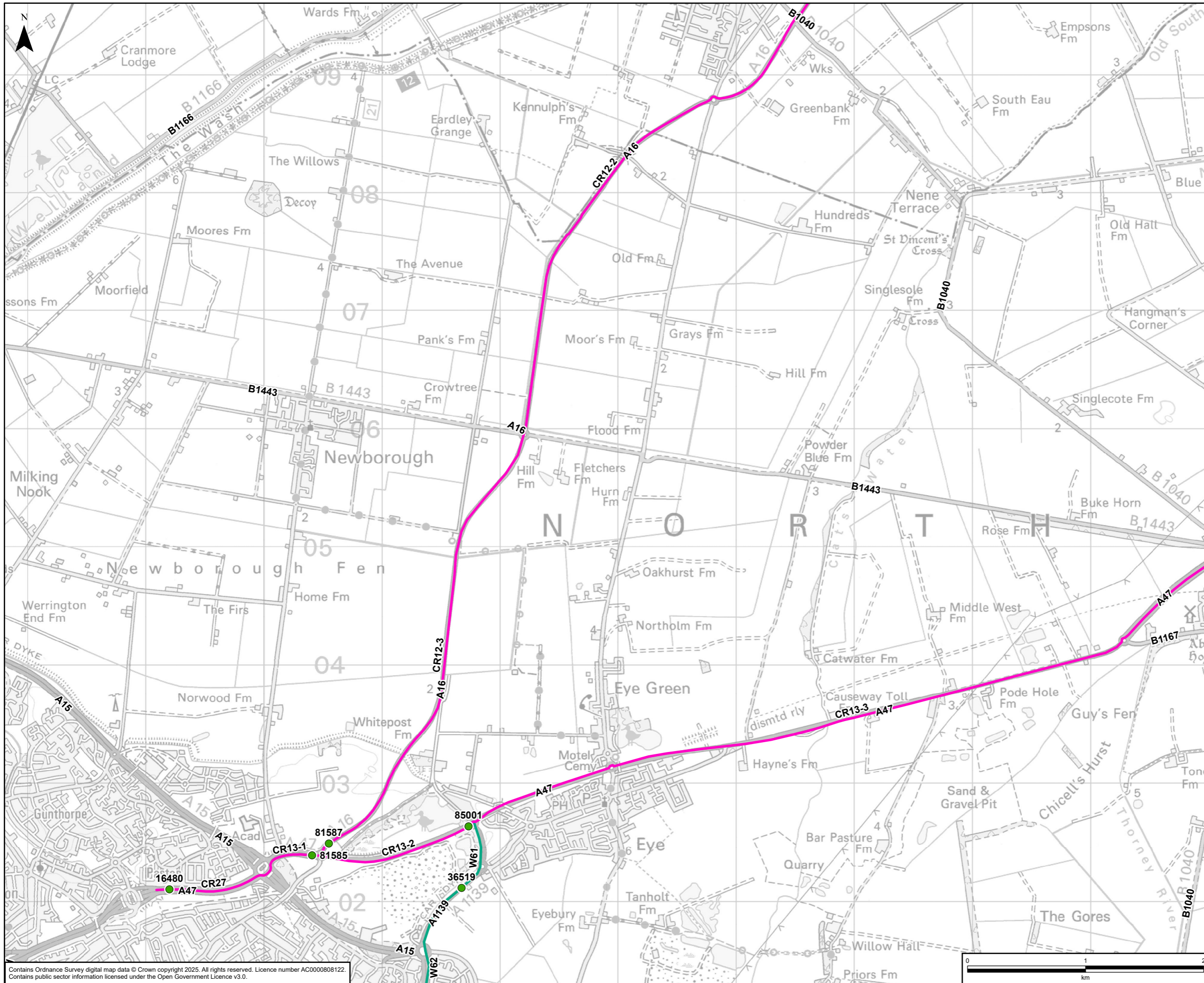
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- Legend**
- DFT Counter (Site Reference)
  - Primary Access Route - Core Route (CR)
  - Workers Access Route (W)

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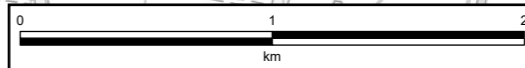
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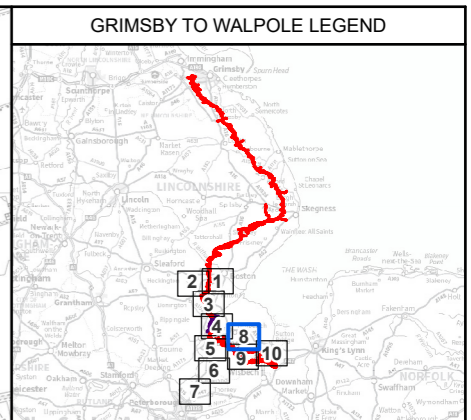
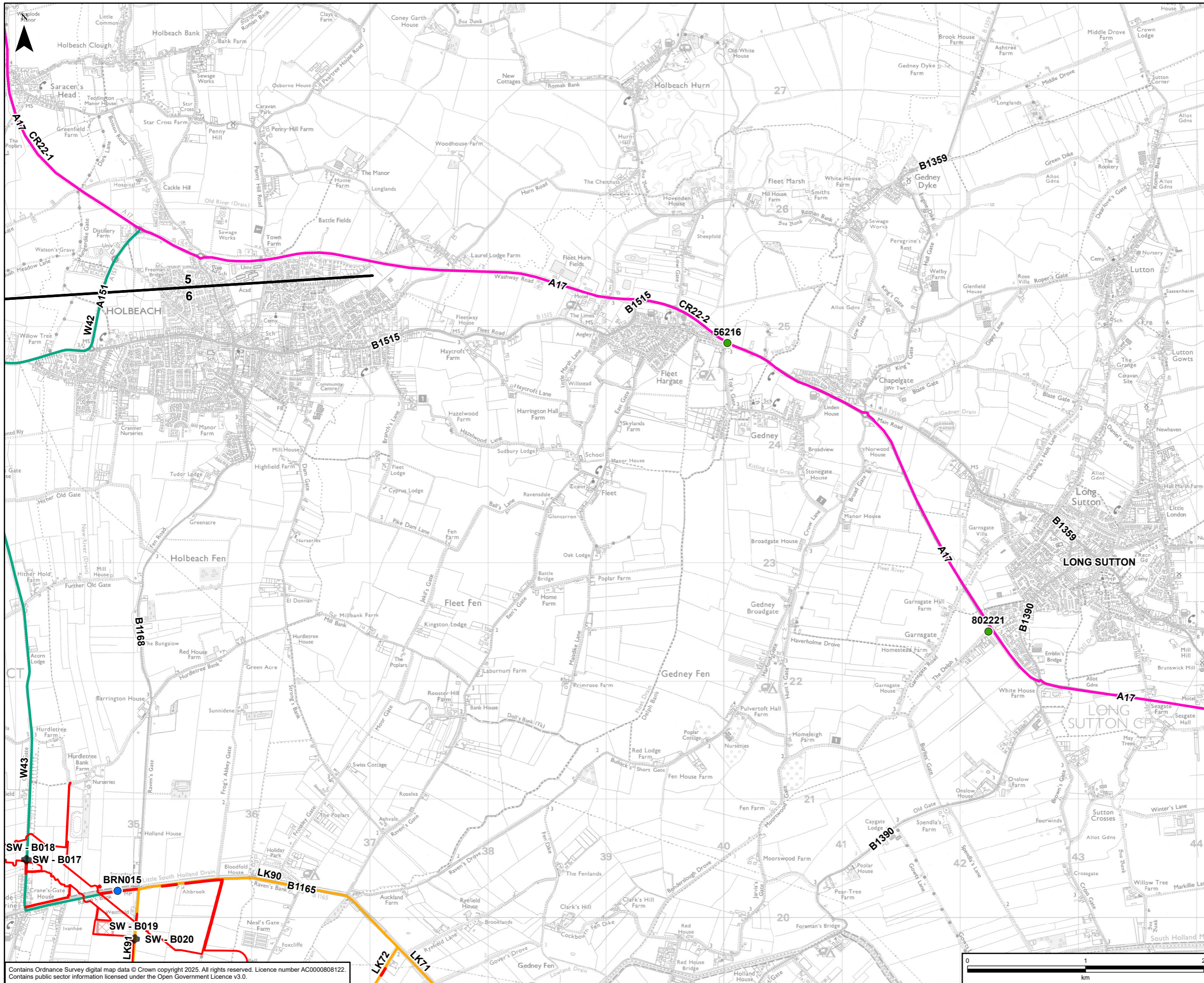
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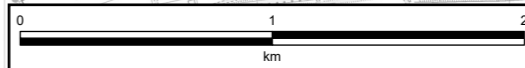
**Legend**

- Draft Order Limits
- Route Section Break
- DFT Counter (Site Reference)
- Traffic Count Survey (Site Reference)
- Primary Access Route - Core Route (CR)
- Primary Access Route - Local Link (LK)
- Workers Access Route (W)
- Indicative Construction Compound
- Indicative Bellmouth (Bellmouth Reference)

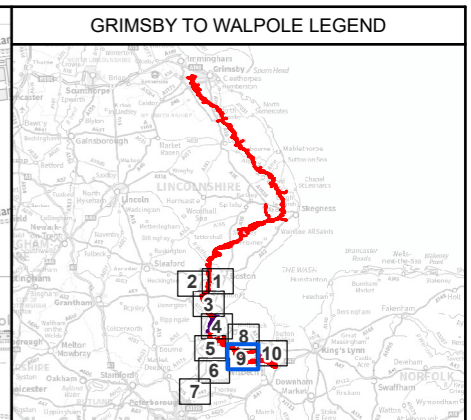
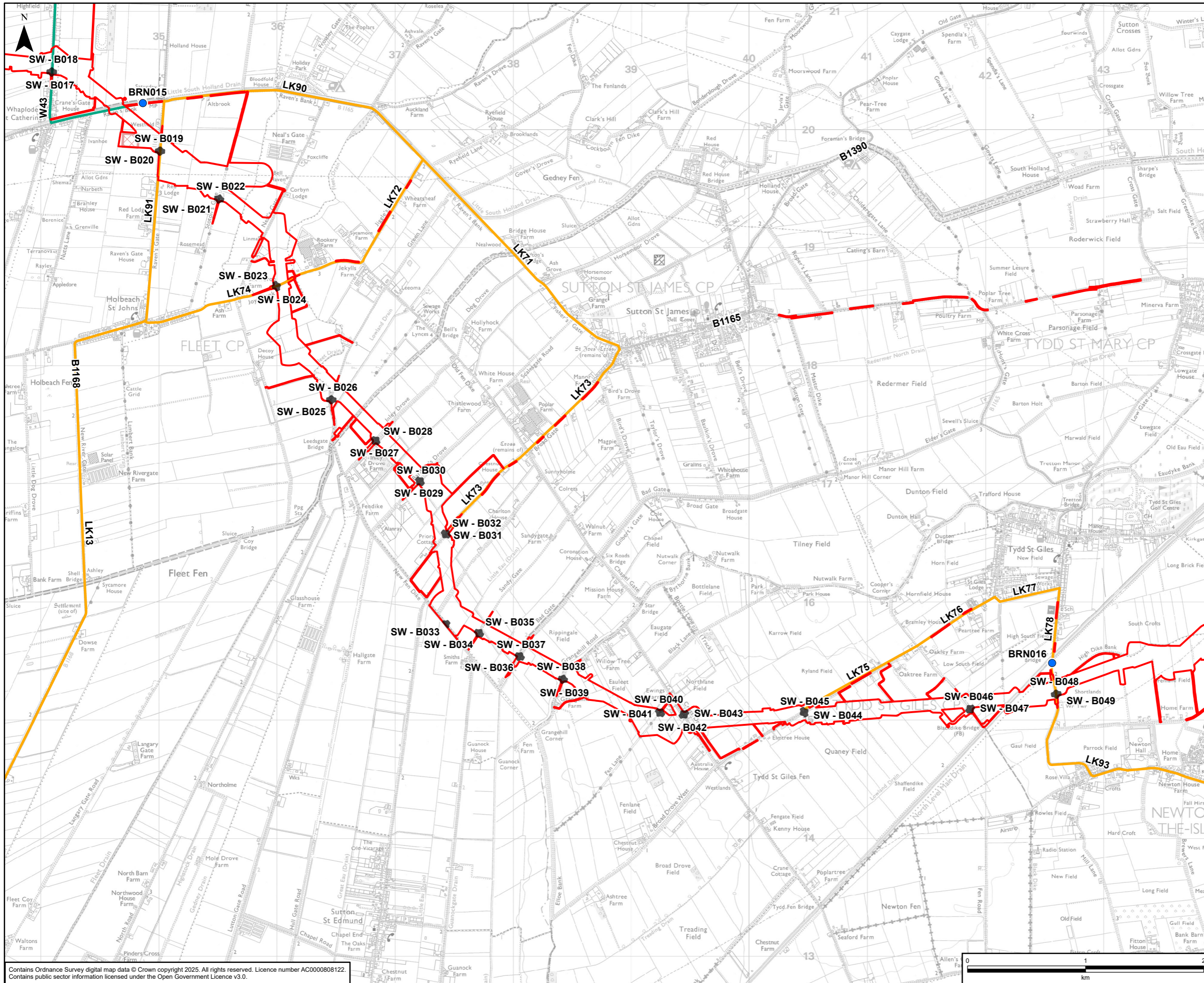
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- Legend**
- Draft Order Limits
  - Traffic Count Survey (Site Reference)
  - Primary Access Route - Local Link (LK)
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  - Indicative Construction Compound
  - Indicative Bellmouth (Bellmouth Reference)

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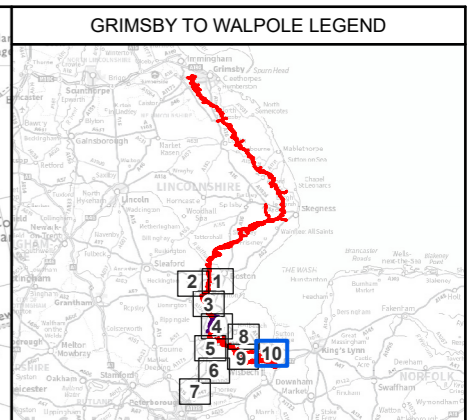
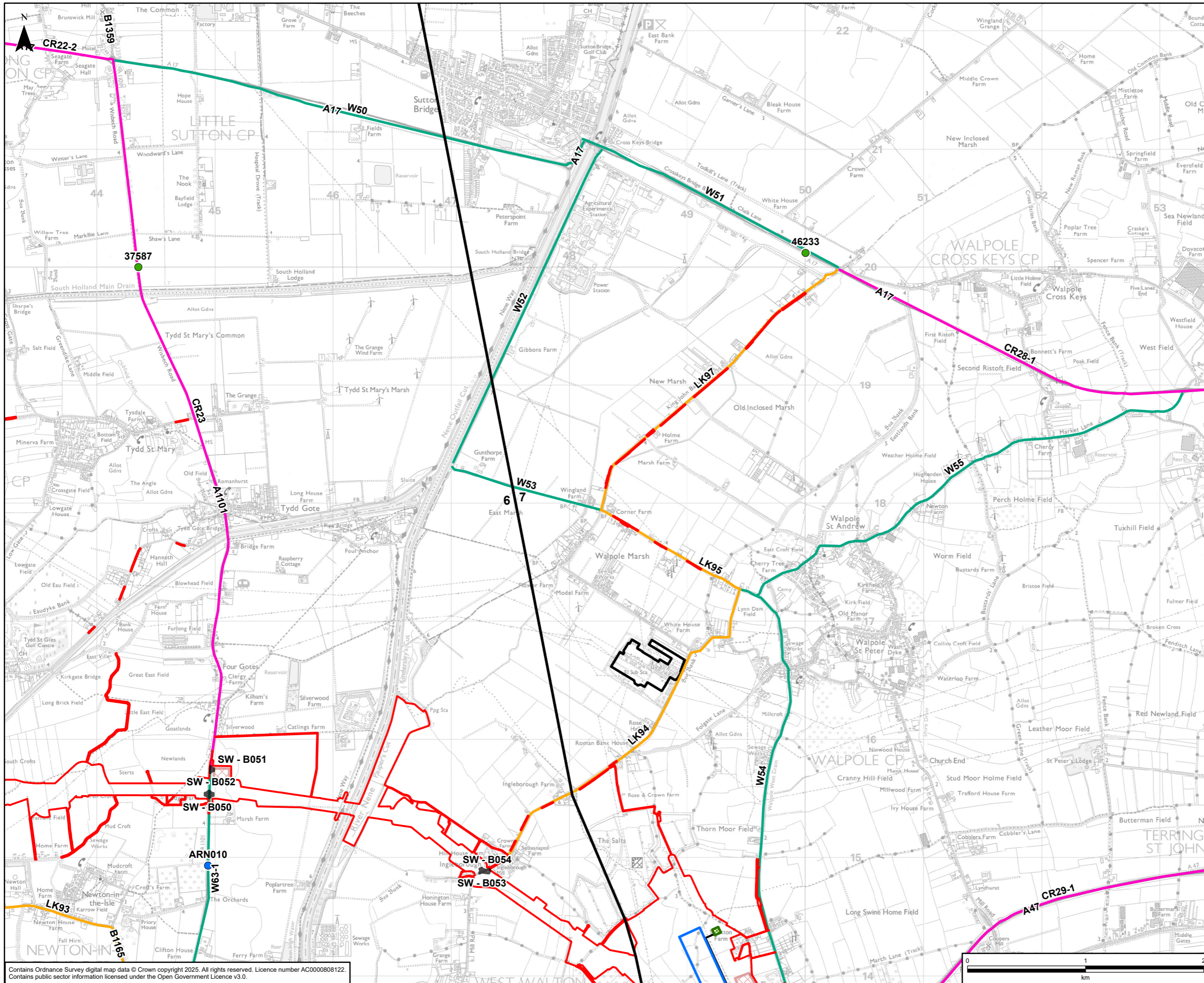
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- Legend**
- Draft Order Limits
  - Route Section Break
  - DfT Counter (Site Reference)
  - Traffic Count Survey (Site Reference)
  - Primary Access Route - Core Route (CR)
  - Primary Access Route - Local Link (LK)
  - Workers Access Route (W)
  - Existing Substation Boundary
  - Indicative New Substation Boundary
  - Indicative Cable Sealing End Compound Boundary
  - Indicative Permanent Substation Access Route
  - Indicative Construction Compound
  - Indicative Bellmouth (Bellmouth Reference)

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Rev	Date	Description	GIS	Chk	App

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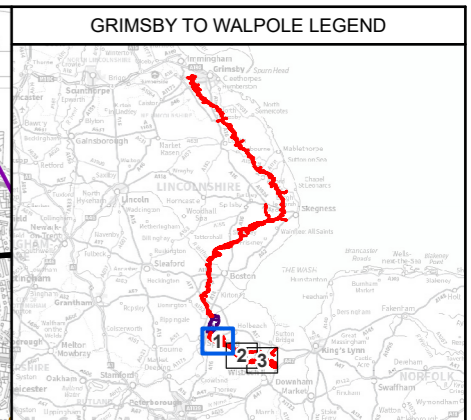
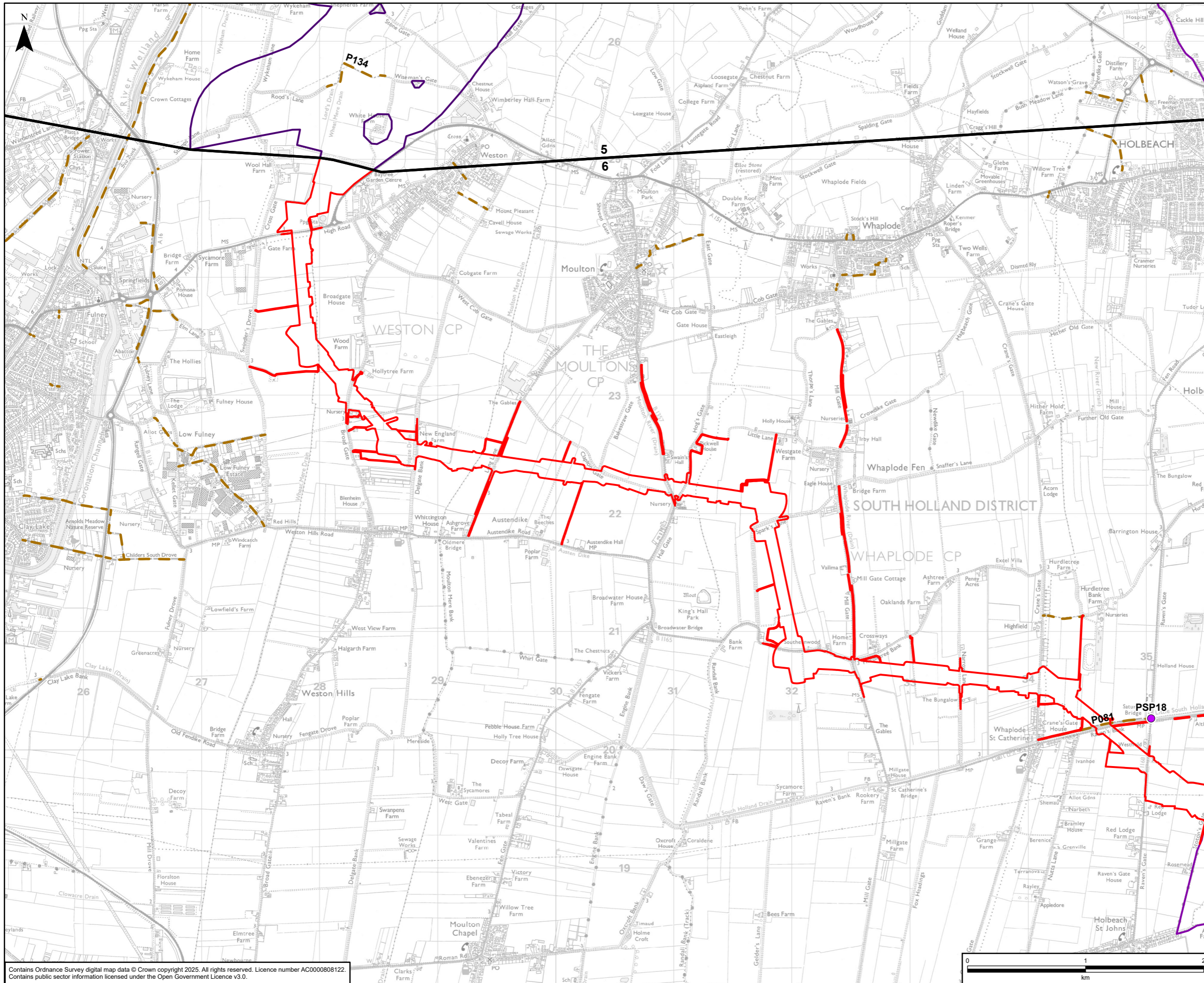
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- Legend**
- Draft Order Limits
  - Refined Weston Marsh Substation Siting Zone
  - Route Section Break
  - Public Right of Way Count Survey Location
  - Public Right of Way (PRoW)
  - Recreational Route
  - Greenwich Meridian Trial

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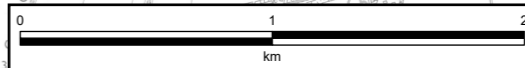
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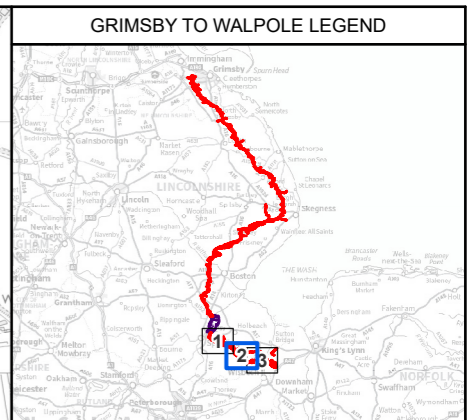
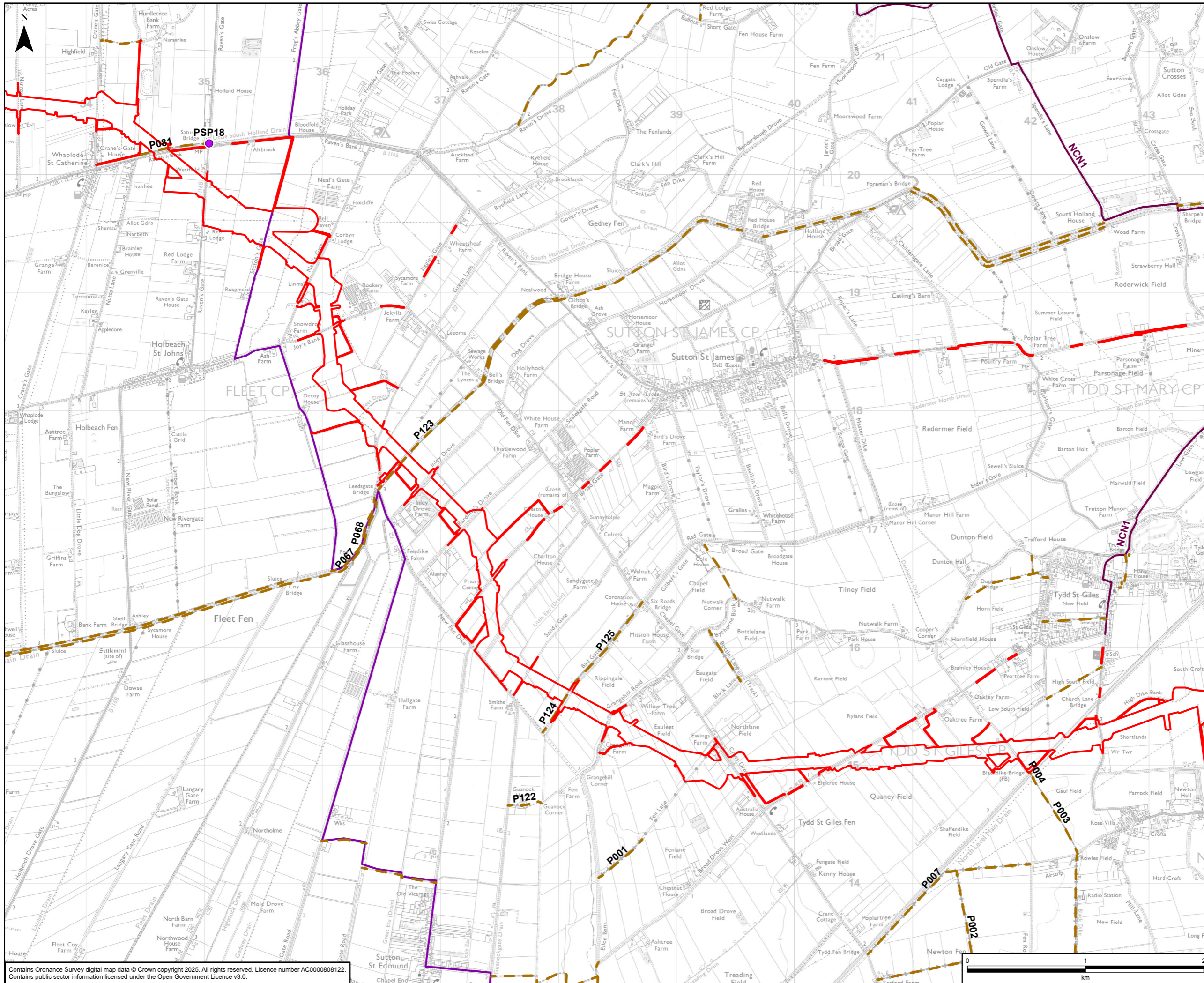
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- Legend**
- Draft Order Limits
  - Public Right of Way Survey Location
  - Public Right of Way (PROW)
  - National Cycle Network (NCN)
  - Recreational Route
  - Greenwich Meridian Trial

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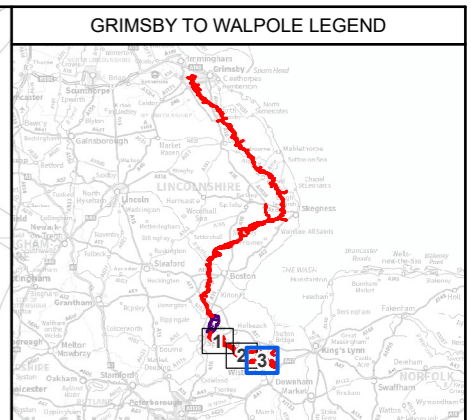
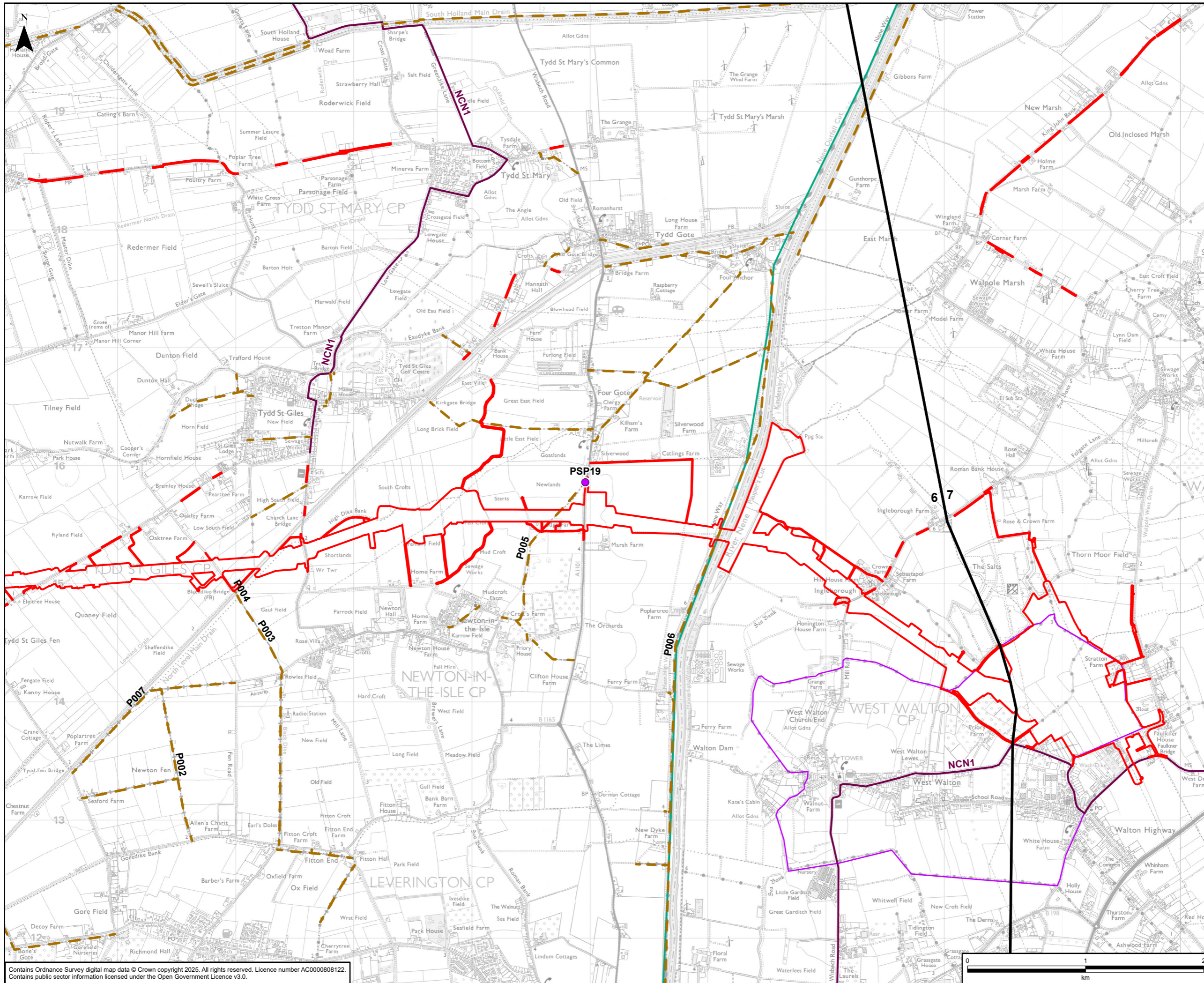
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Document Title: **FIGURE 9.3  
EXISTING PUBLIC RIGHTS OF WAY (PROW)**

Creator: LC	Date: 07/04/2025	Checker: JH	Date: 07/04/2025	Approver: NM	Date: 07/04/2025
Document Type: FIGURE	Scale: 1:30,000	Format: A3	Sheets: 2 OF 3	Rev: A	

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- Legend**
- Draft Order Limits
  - Route Section Break
  - Public Right of Way Count Survey Location
  - Public Right of Way (PRow)
  - National Cycle Network (NCN)
  - Recreational Route
  - Nene Way
  - West Walton Jubilee Walk

A	07/04/2025	First Issue	LC	JH	NM
Rev	Date	Description	GIS	Chk	App

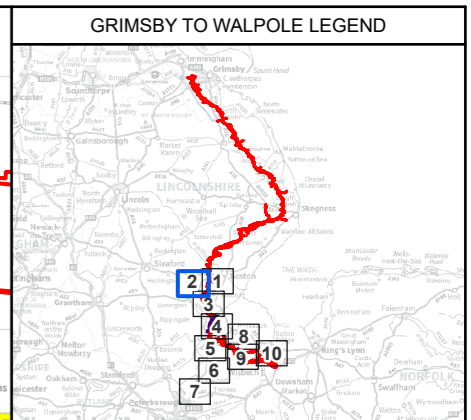
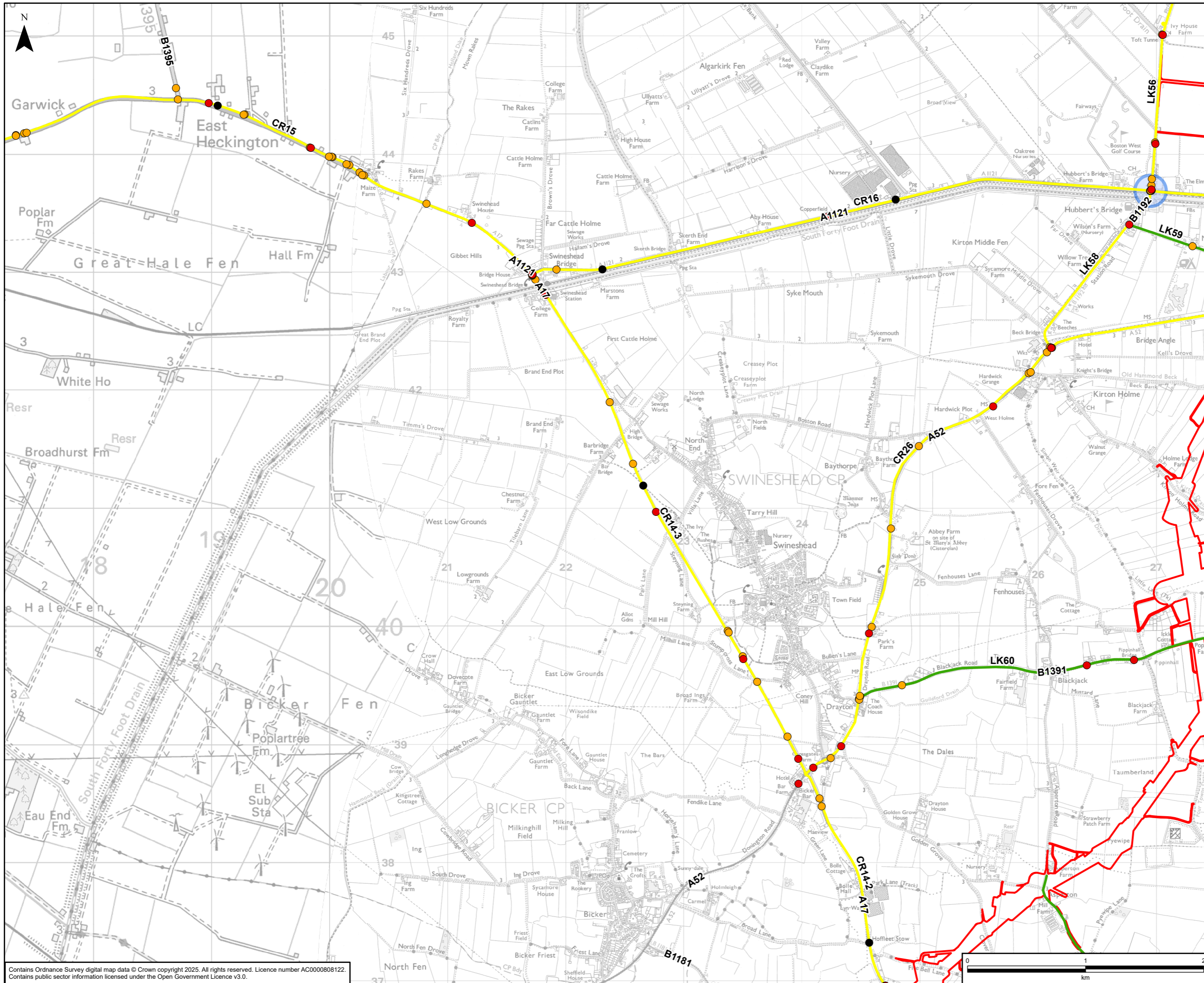
<b>nationalgrid</b>					
Purpose: PEI REPORT - SECTION 6					
Scheme: GRIMSBY TO WALPOLE					
Document Title: FIGURE 9.3 EXISTING PUBLIC RIGHTS OF WAY (PROW)					
Creator:	Date:	Checker:	Date:	Approver:	Date:
LC	07/04/2025	JH	07/04/2025	NM	07/04/2025
Document Type:	Scale:	Format:	Sheets:	Rev:	
FIGURE	1:30,000	A3	3 OF 3	A	

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- Legend**
- Draft Order Limits
  - Collision Cluster
  - Accident - 2019 to 2023 (Severity of injury)
  - Fatal
  - Serious
  - Slight
  - Access Route (Congestion Rating)
  - 0
  - 1
  - 2
  - 3
  - CR: Primary Access Route - Core Route
  - LK: Primary Access Route - Local Link
  - W: Workers Access Route

A	07/05/2025	First Issue	LC	JH	NM
Rev	Date	Description	GIS	Chk	App

**nationalgrid**

Purpose: PEI REPORT - SECTION 6

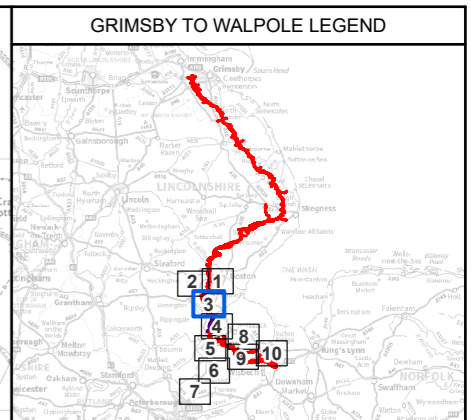
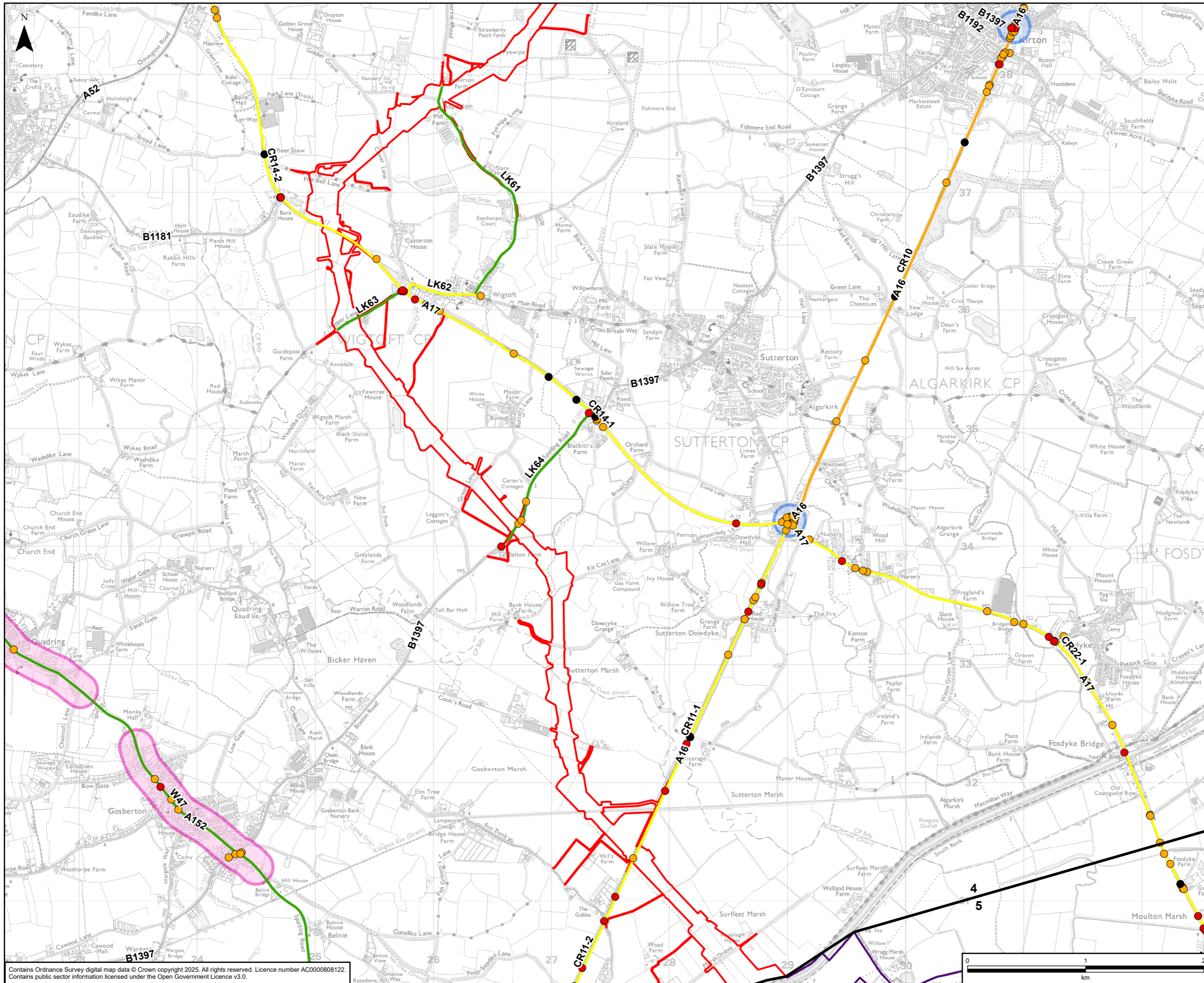
Scheme: GRIMSBY TO WALPOLE

Document Title: **FIGURE 9.4  
ROUTE SENSITIVITY**

Creator:	Date:	Checker:	Date:	Approver:	Date:
LC	07/05/2025	JH	07/05/2025	NM	07/05/2025
Document Type:	Scale:	Format:	Sheets:	Rev:	
FIGURE	1:30,000	A3	2 OF 10	A	

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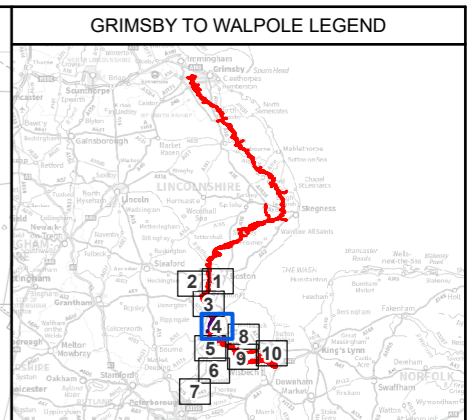
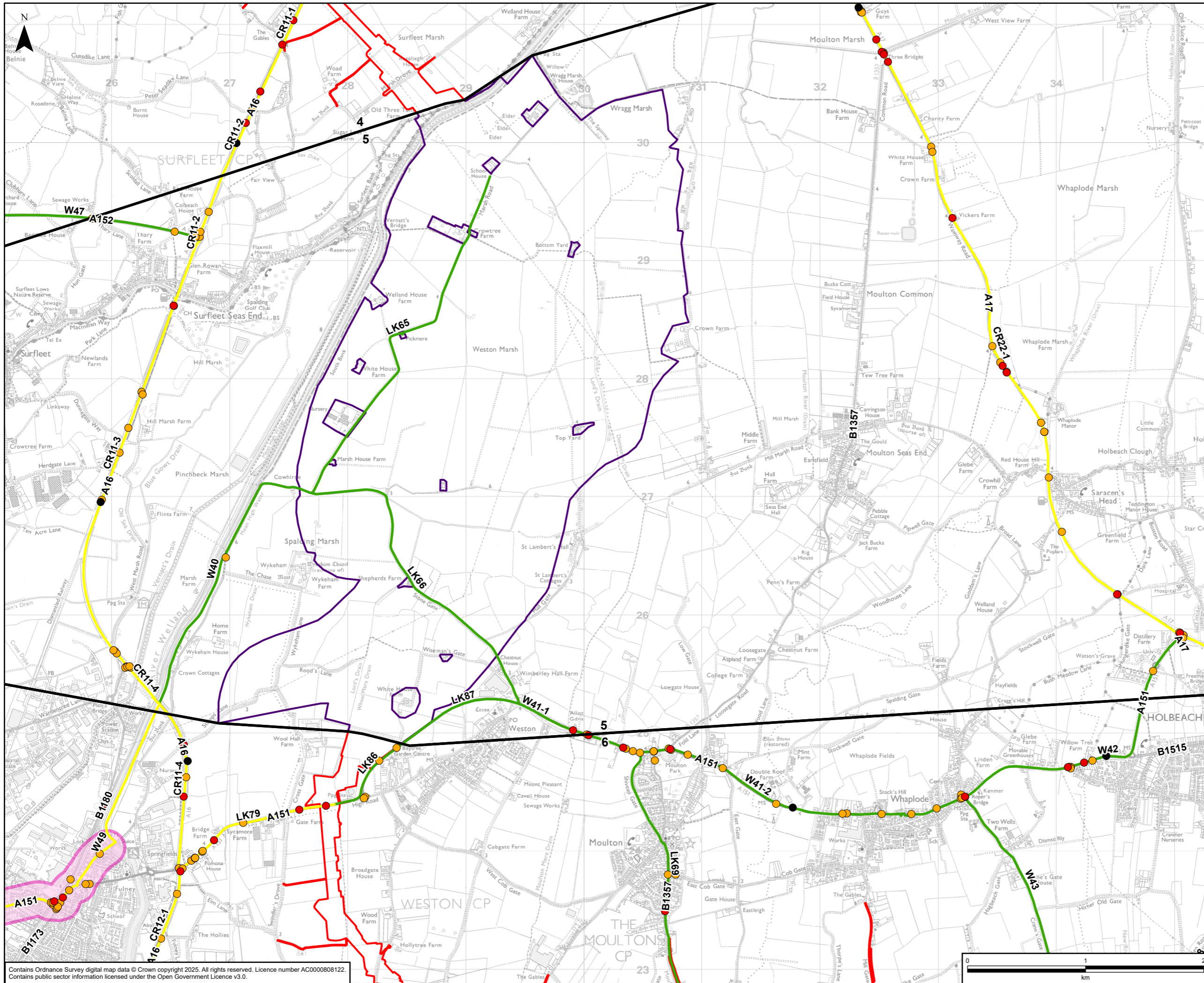
- Legend**
- Draft Order Limits
  - Refined Weston Marsh Substation Siting Zone
  - Route Section Break
  - Collision Cluster
  - Sensitive Receptor
- Accident - 2019 to 2023 (Severity of injury)**
- Fatal
  - Serious
  - Slight
- Access Route (Congestion Rating)**
- 0
  - 1
  - 2
  - 3
- CR: Primary Access Route - Core Route**  
**LK: Primary Access Route - Local Link**  
**W: Workers Access Route**

A	07/05/2025	First Issue	LC	JH	NM
Rev	Date	Description	GIS	Chk	App

<b>nationalgrid</b>					
Purpose:	PEI REPORT - SECTION 6				
Scheme:	GRIMSBY TO WALPOLE				
Document Title:	FIGURE 9.4 ROUTE SENSITIVITY				
Creator:	Date:	Checker:	Date:	Approver:	Date:
LC	07/05/2025	JH	07/05/2025	NM	07/05/2025
Document Type:	Scale:	Format:	Sheets:	Rev:	
FIGURE	1:30,000	A3	3 OF 10	A	

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- Legend**
- Draft Order Limits
  - Refined Weston Marsh Substation Siting Zone
  - Route Section Break
  - Collision Cluster
  - Sensitive Receptor
- Accident - 2019 to 2023 (Severity of injury)
- Fatal
  - Serious
  - Slight
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  - 1
  - 2
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- CR: Primary Access Route - Core Route  
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 W: Workers Access Route

A	07/05/2025	First Issue	LC	JH	NM
Rev	Date	Description	GIS	Chk	App

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Purpose: PEI REPORT - SECTION 6

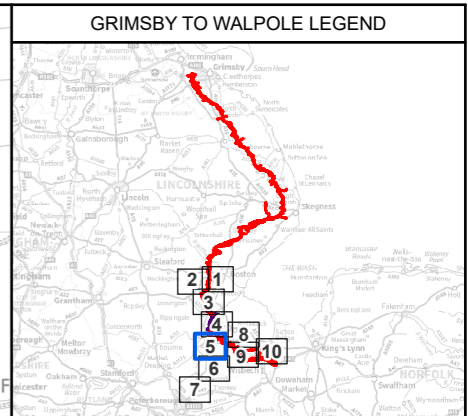
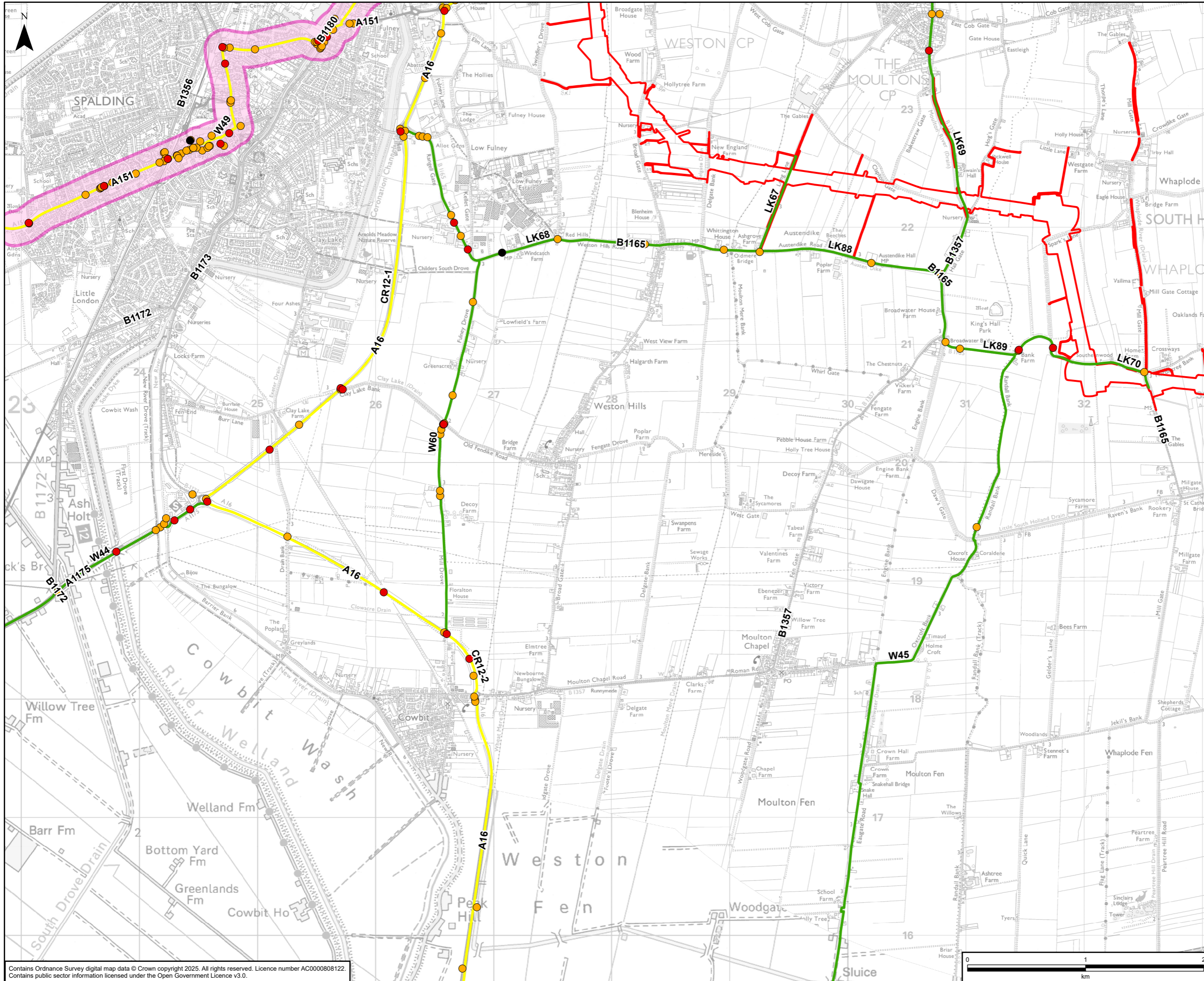
Scheme: GRIMSBY TO WALPOLE

Document Title: **FIGURE 9.4  
ROUTE SENSITIVITY**

Creator:	Date:	Checker:	Date:	Approver:	Date:
LC	07/05/2025	JH	07/05/2025	NM	07/05/2025
Document Type:	Scale:	Format:	Sheets:	Rev:	
FIGURE	1:30,000	A3	4 OF 10	A	

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- Legend**
- Draft Order Limits
  - Collision Cluster
  - Sensitive Receptor
- Accident - 2019 to 2023 (Severity of injury)
- Fatal
  - Serious
  - Slight
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A	07/05/2025	First Issue	LC	JH	NM
Rev	Date	Description	GIS	Chk	App

**nationalgrid**

Purpose: PEI REPORT - SECTION 6

Scheme: GRIMSBY TO WALPOLE

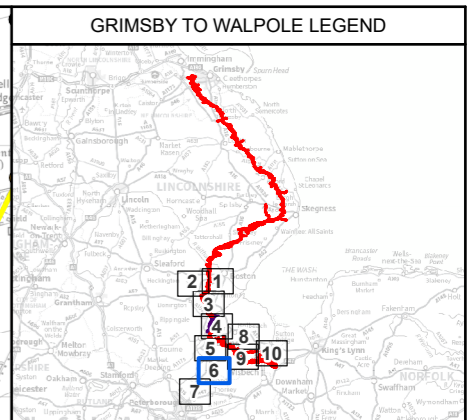
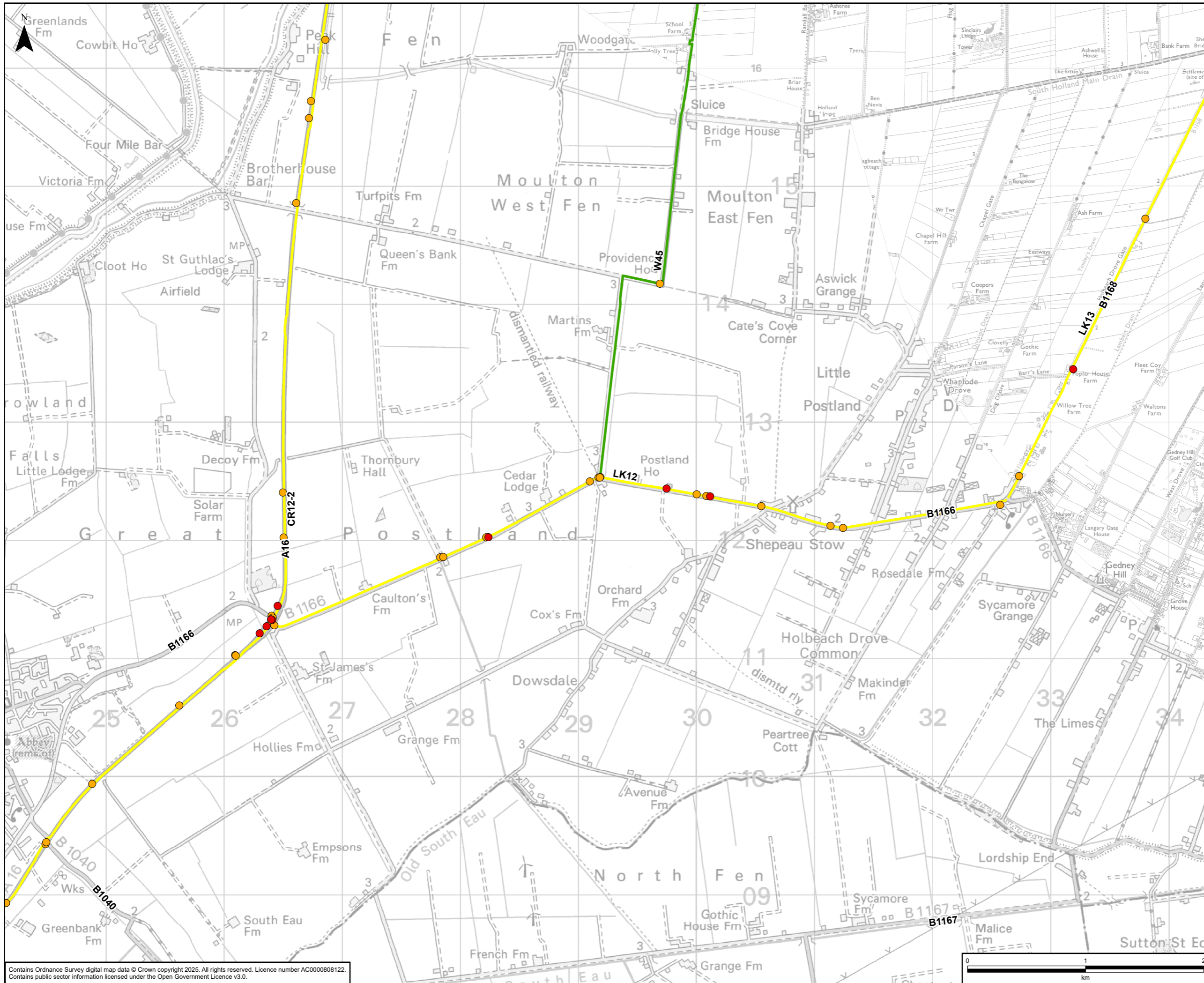
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ROUTE SENSITIVITY**

Creator:	Date:	Checker:	Date:	Approver:	Date:
LC	07/05/2025	JH	07/05/2025	NM	07/05/2025

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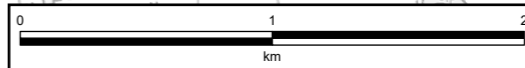


- Legend**
- Collision Cluster
  - Accident - 2019 to 2023 (Severity of injury)
    - Fatal
    - Serious
    - Slight
  - Access Route (Congestion Rating)
    - 0
    - 1
    - 2
    - 3
- CR: Primary Access Route - Core Route  
 LK: Primary Access Route - Local Link  
 W: Workers Access Route

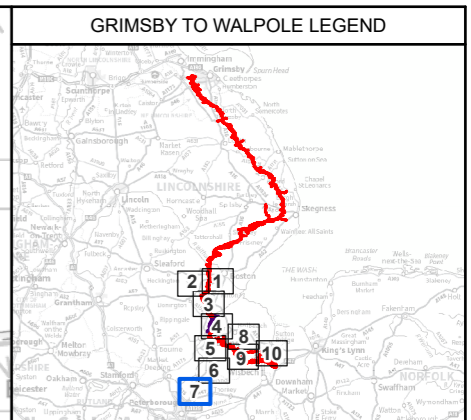
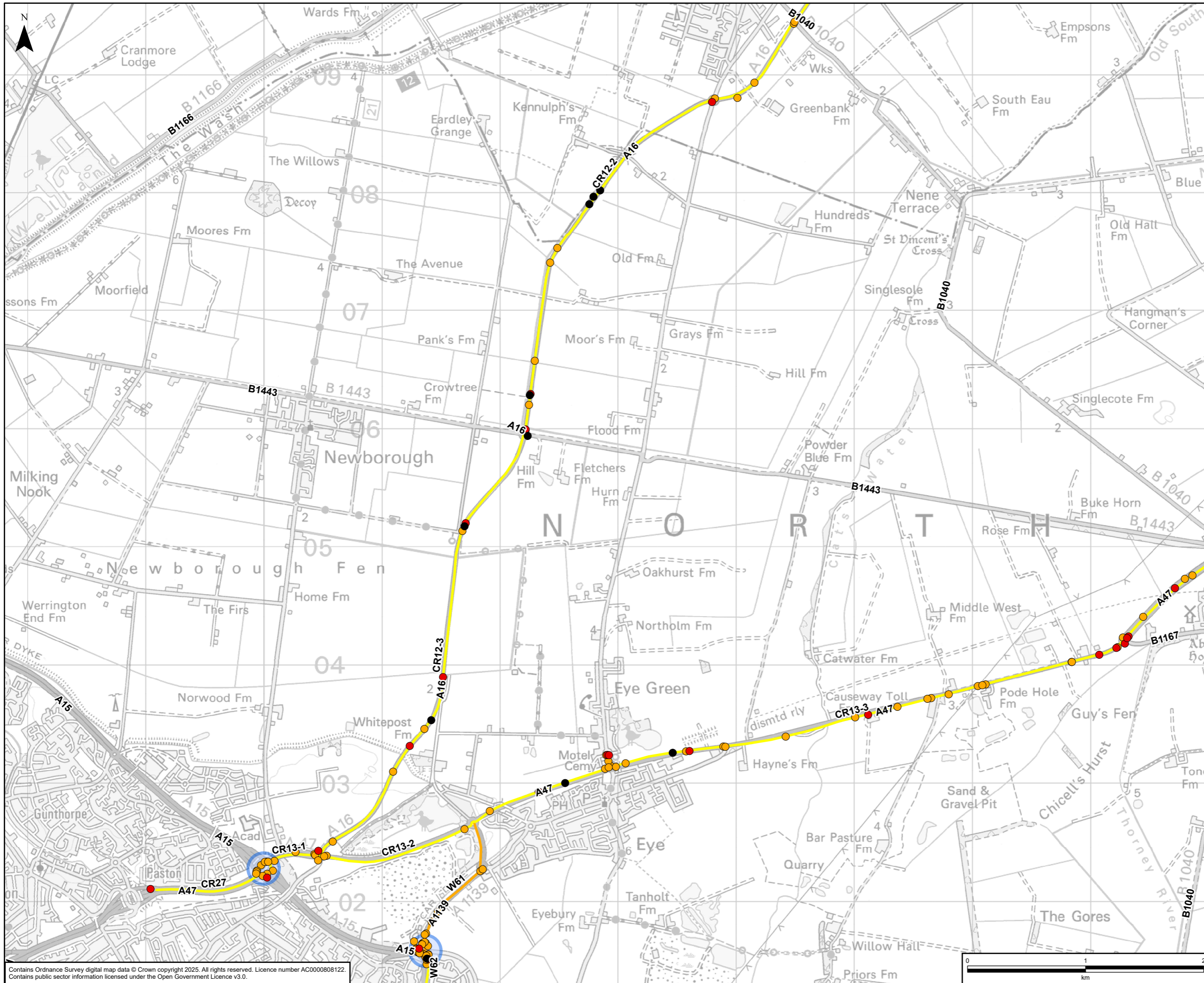
A	07/05/2025	First Issue	LC	JH	NM
Rev	Date	Description	GIS	Chk	App

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Purpose:	PEI REPORT - SECTION 6				
Scheme:	GRIMSBY TO WALPOLE				
Document Title:	FIGURE 9.4 ROUTE SENSITIVITY				
Creator:	Date:	Checker:	Date:	Approver:	Date:
LC	07/05/2025	JH	07/05/2025	NM	07/05/2025
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FIGURE	1:30,000	A3	6 OF 10	A	

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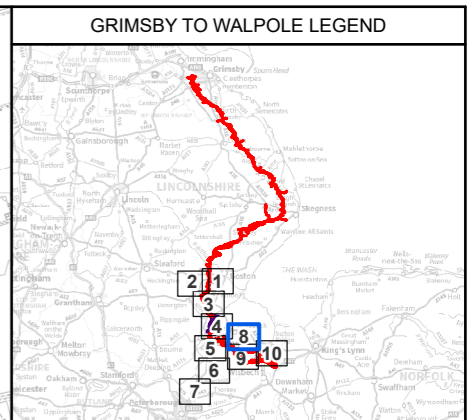
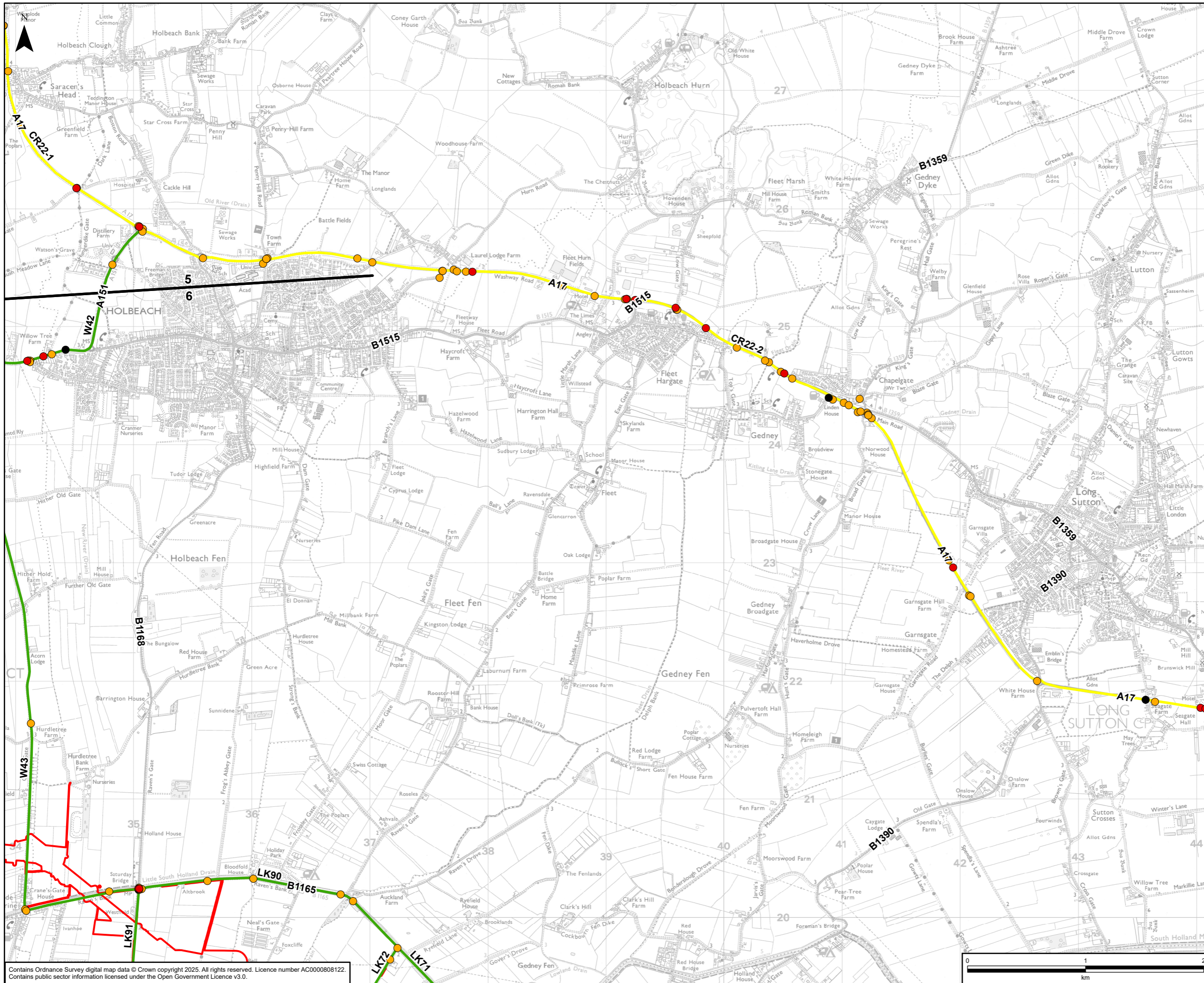
- Legend**
- Collision Cluster
  - Accident - 2019 to 2023 (Severity of injury)
    - Fatal
    - Serious
    - Slight
  - Access Route (Congestion Rating)
    - 0
    - 1
    - 2
    - 3
  - CR: Primary Access Route - Core Route
  - LK: Primary Access Route - Local Link
  - W: Workers Access Route

A	07/05/2025	First Issue	LC	JH	NM
Rev	Date	Description	GIS	Chk	App

<b>nationalgrid</b>					
Purpose:	PEI REPORT - SECTION 6				
Scheme:	GRIMSBY TO WALPOLE				
Document Title:	FIGURE 9.4 ROUTE SENSITIVITY				
Creator:	Date:	Checker:	Date:	Approver:	Date:
LC	07/05/2025	JH	07/05/2025	NM	07/05/2025
Document Type:	Scale:	Format:	Sheets:	Rev:	
FIGURE	1:30,000	A3	7 OF 10	A	

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**Legend**

- Draft Order Limits
- Route Section Break
- Collision Cluster

**Accident - 2019 to 2023 (Severity of injury)**

- Fatal
- Serious
- Slight

**Access Route (Congestion Rating)**

- 0
- 1
- 2
- 3

CR: Primary Access Route - Core Route  
LK: Primary Access Route - Local Link  
W: Workers Access Route

A	07/05/2025	First Issue	LC	JH	NM
Rev	Date	Description	GIS	Chk	App

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Purpose: PEI REPORT - SECTION 6

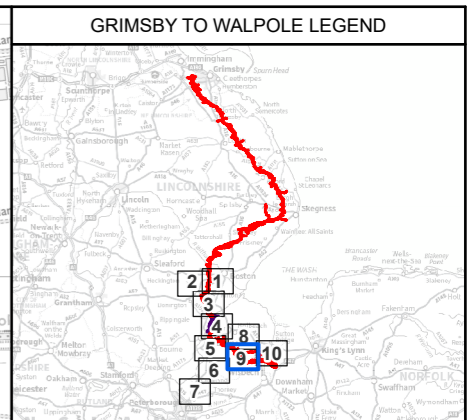
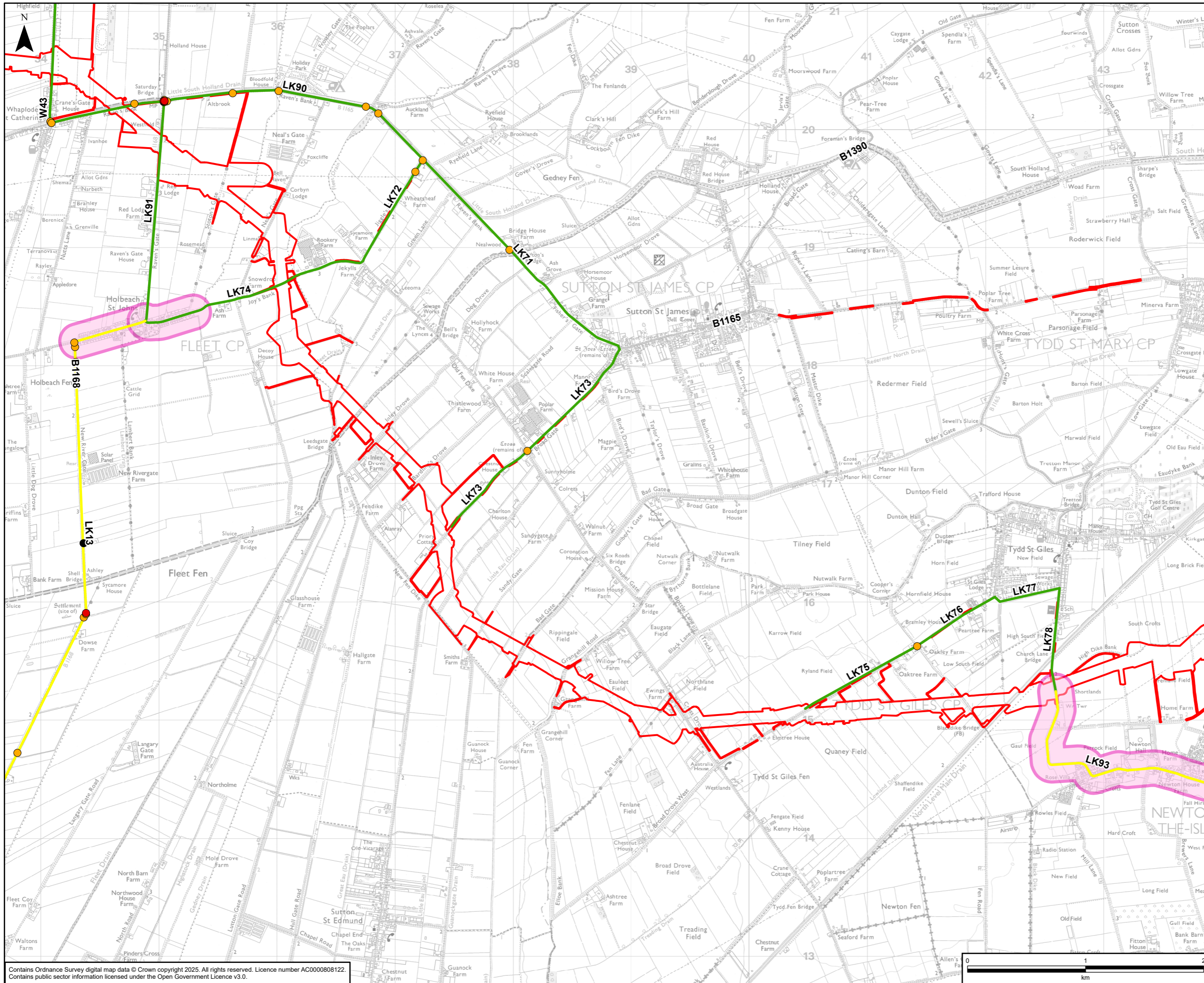
Scheme: GRIMSBY TO WALPOLE

Document Title: **FIGURE 9.4  
ROUTE SENSITIVITY**

Creator: LC	Date: 07/05/2025	Checker: JH	Date: 07/05/2025	Approver: NM	Date: 07/05/2025
Document Type: FIGURE	Scale: 1:30,000	Format: A3	Sheets: 8 OF 10	Rev: A	

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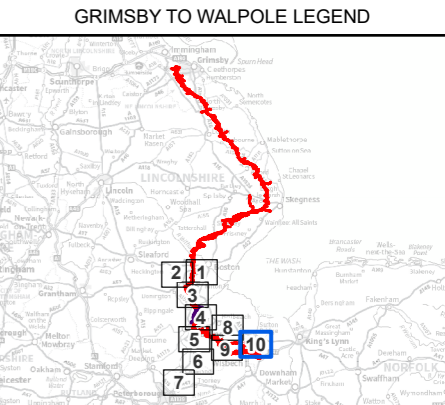
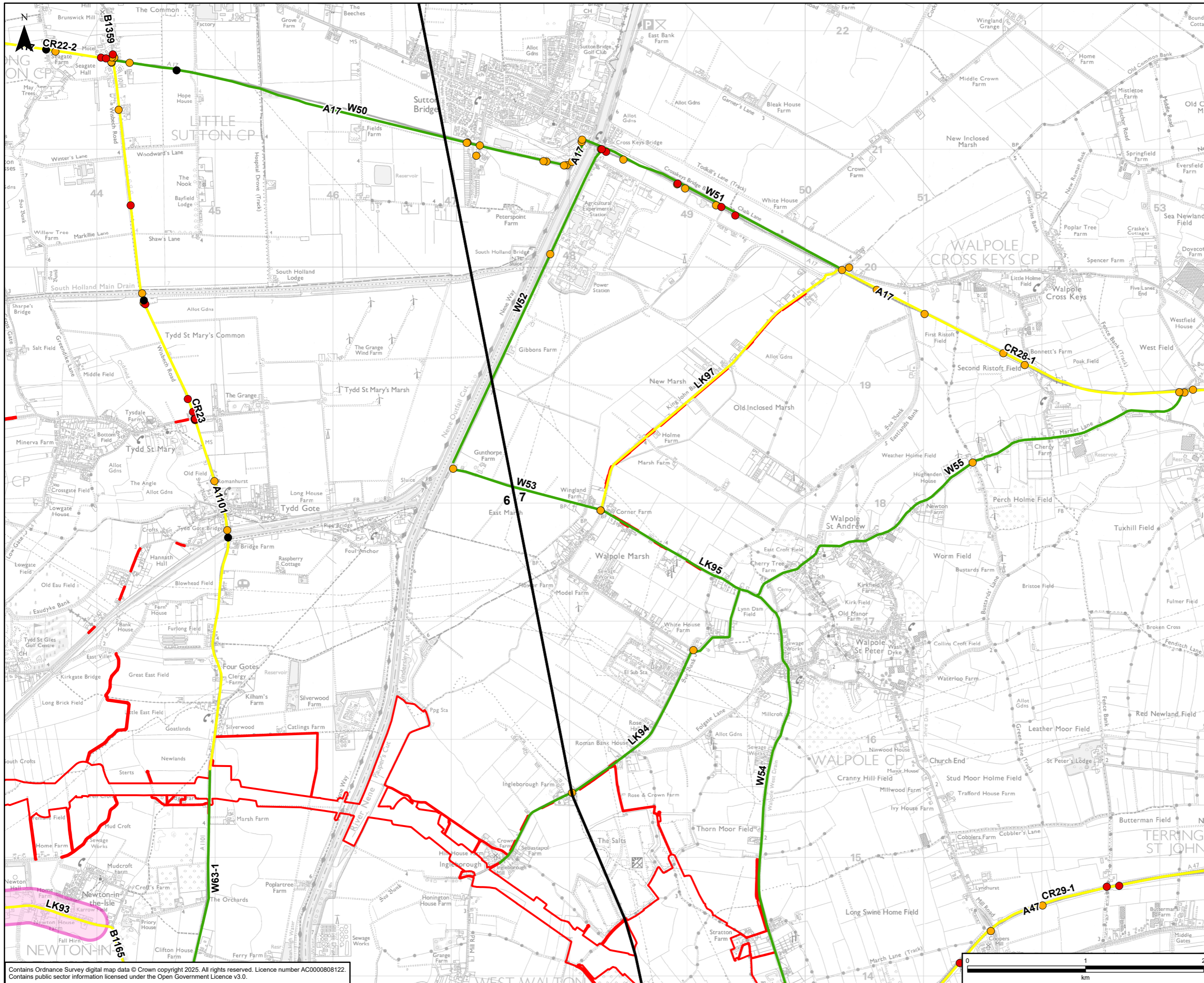
- Legend**
- Draft Order Limits
  - Collision Cluster
  - Sensitive Receptor
- Accident - 2019 to 2023 (Severity of injury)**
- Fatal
  - Serious
  - Slight
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- CR: Primary Access Route - Core Route**  
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A	07/05/2025	First Issue	LC	JH	NM
Rev	Date	Description	GIS	Chk	App

<b>nationalgrid</b>					
Purpose: PEI REPORT - SECTION 6					
Scheme: GRIMSBY TO WALPOLE					
Document Title: <b>FIGURE 9.4</b> ROUTE SENSITIVITY					
Creator:	Date:	Checker:	Date:	Approver:	Date:
LC	07/05/2025	JH	07/05/2025	NM	07/05/2025
Document Type:	Scale:	Format:	Sheets:	Rev:	
FIGURE	1:30,000	A3	9 OF 10	A	

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- Legend**
- Draft Order Limits
  - Route Section Break
  - Collision Cluster
  - Sensitive Receptor
- Accident - 2019 to 2023 (Severity of injury)
- Fatal
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  - Slight
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- CR: Primary Access Route - Core Route  
 LK: Primary Access Route - Local Link  
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Rev	Date	Description	GIS	Chk	App
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Purpose: PEI REPORT - SECTION 6

Scheme: GRIMSBY TO WALPOLE

Document Title: **FIGURE 9.4  
ROUTE SENSITIVITY**

Creator: LC	Date: 07/05/2025	Checker: JH	Date: 07/05/2025	Approver: NM	Date: 07/05/2025
Document Type: FIGURE	Scale: 1:30,000	Format: A3	Sheets: 10 OF 10	Rev: A	

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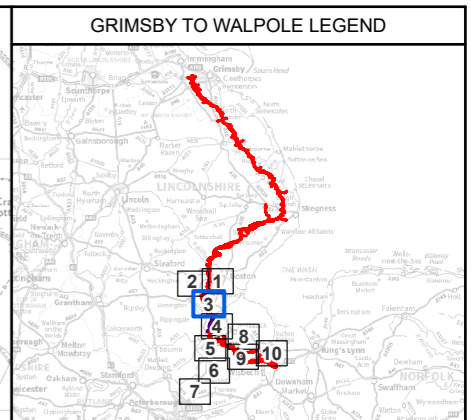
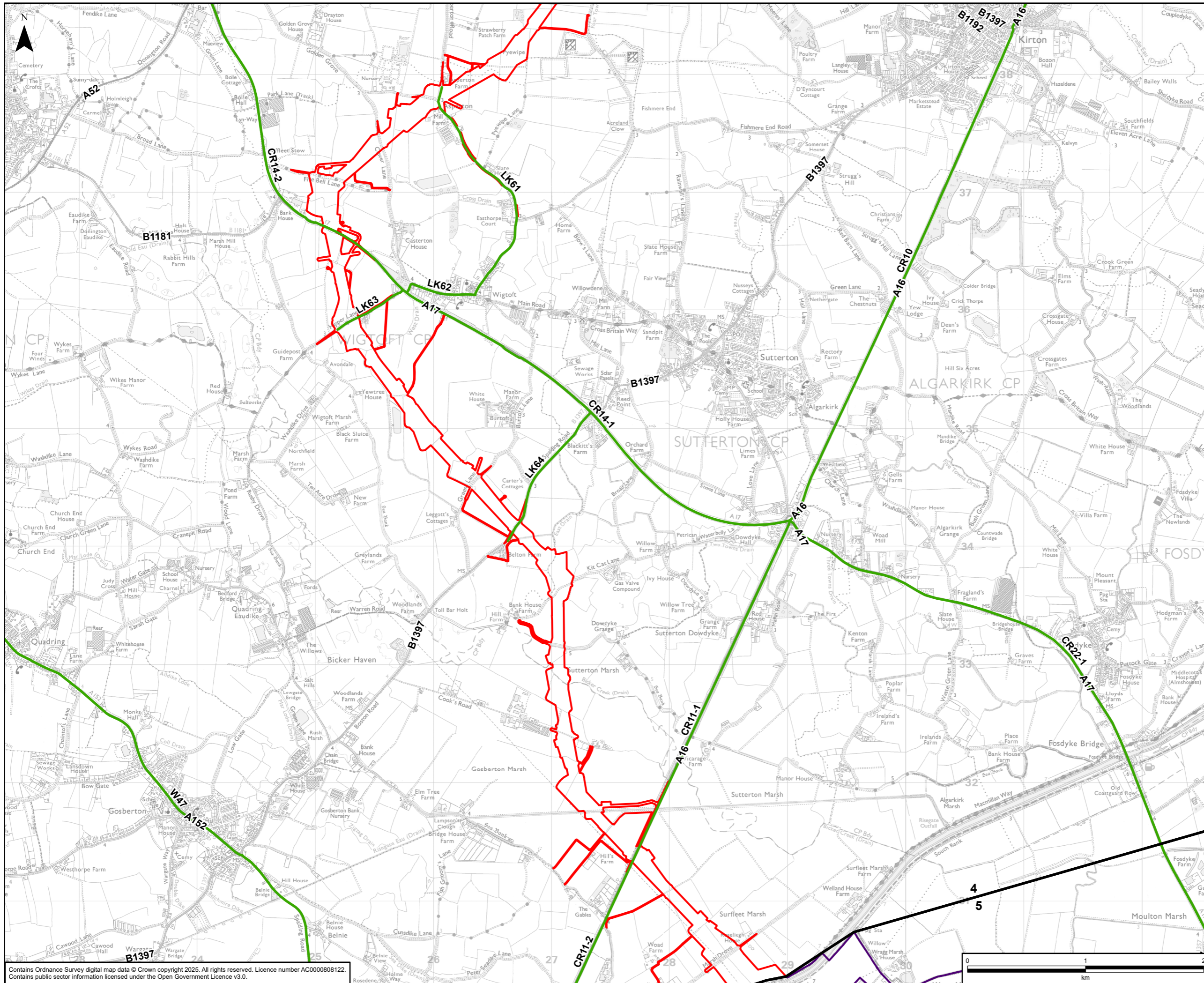












- Legend**
- Draft Order Limits
  - Refined Weston Marsh Substation Siting Zone
  - Route Section Break
- Potential for Significant Effect Assessment**
- Potential for Significant Effect – Further Assessment
  - No Further Assessment
- CR: Primary Access Route - Core Route  
 LK: Primary Access Route - Local Link  
 W: Workers Access Route

A	07/05/2025	First Issue	LC	JH	NM
Rev	Date	Description	GIS	Chk	App

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Purpose: PEI REPORT - SECTION 6

Scheme: GRIMSBY TO WALPOLE

Document Title: **FIGURE 9.5  
PRELIMINARY IMPACT ANALYSIS**

Creator:	Date:	Checker:	Date:	Approver:	Date:
LC	07/05/2025	JH	07/05/2025	NM	07/05/2025
Document Type:	Scale:	Format:	Sheets:	Rev:	
FIGURE	1:30,000	A3	3 OF 10	A	

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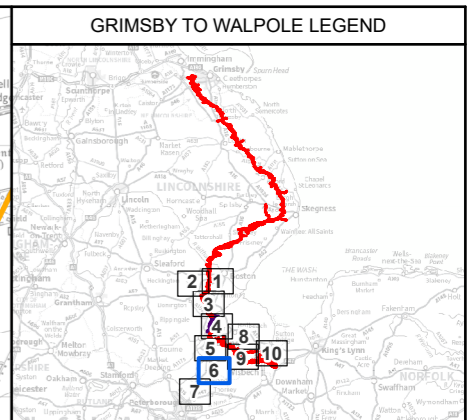
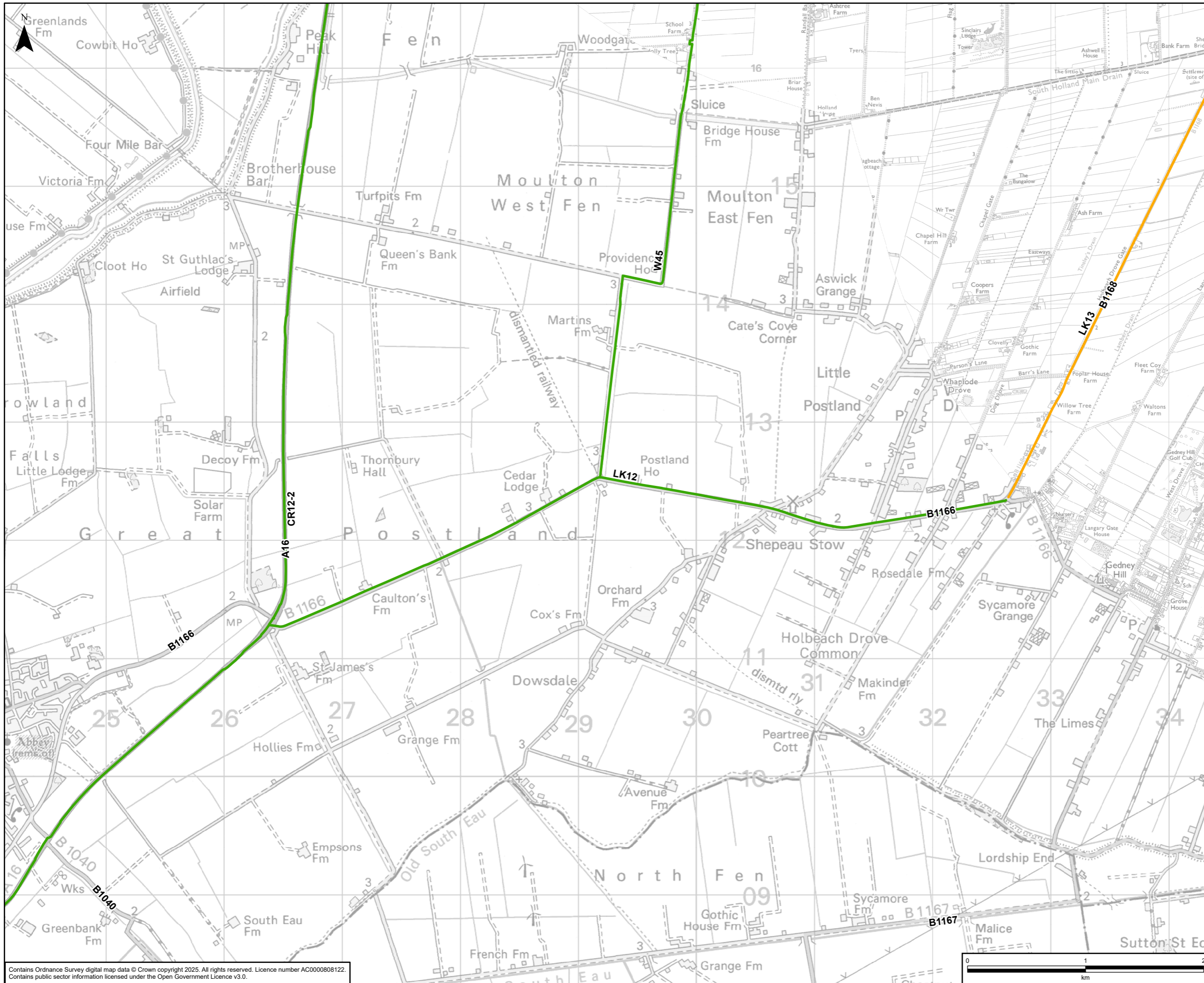












**GRIMSBY TO WALPOLE LEGEND**

Legend

- Potential for Significant Effect
- Potential for Significant Effect – Further Assessment
- No Further Assessment

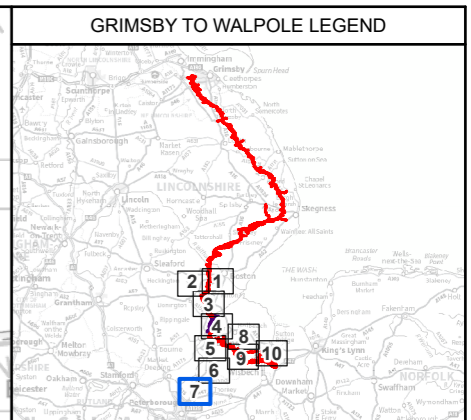
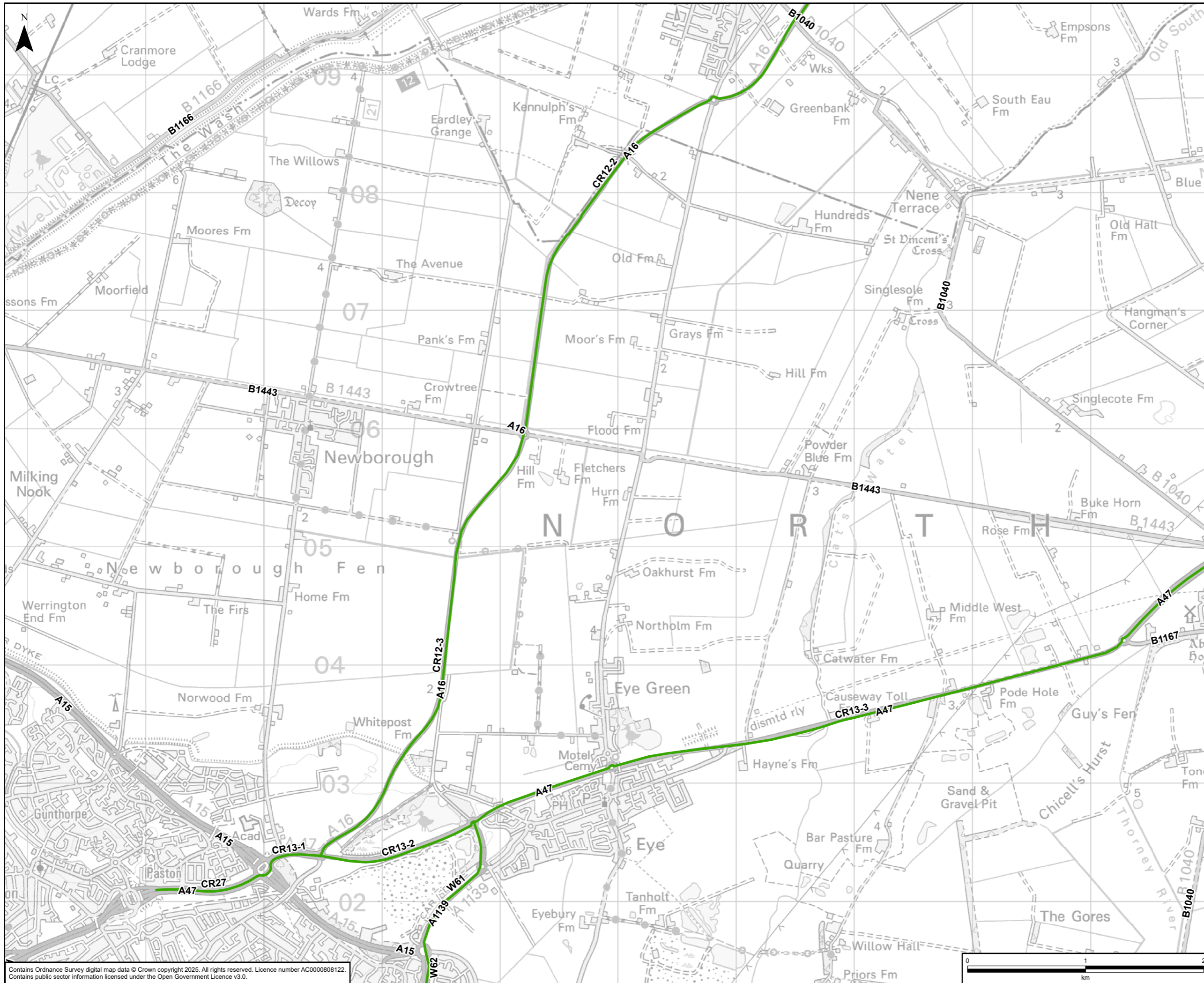
CR: Primary Access Route - Core Route  
 LK: Primary Access Route - Local Link  
 W: Workers Access Route

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Purpose:	PEI REPORT - SECTION 6				
Scheme:	GRIMSBY TO WALPOLE				
Document Title:	FIGURE 9.5 PRELIMINARY IMPACT ANALYSIS				
Creator:	Date:	Checker:	Date:	Approver:	Date:
LC	07/05/2025	JH	07/05/2025	NM	07/05/2025
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FIGURE	1:30,000	A3	6 OF 10	A	





**GRIMSBY TO WALPOLE LEGEND**

Legend

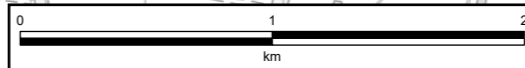
- Potential for Significant Effect
- Potential for Significant Effect – Further Assessment
- No Further Assessment

CR: Primary Access Route - Core Route  
 LK: Primary Access Route - Local Link  
 W: Workers Access Route

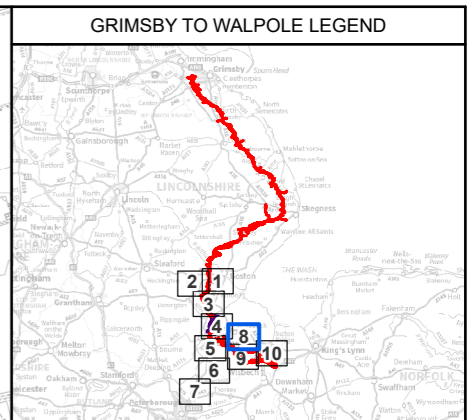
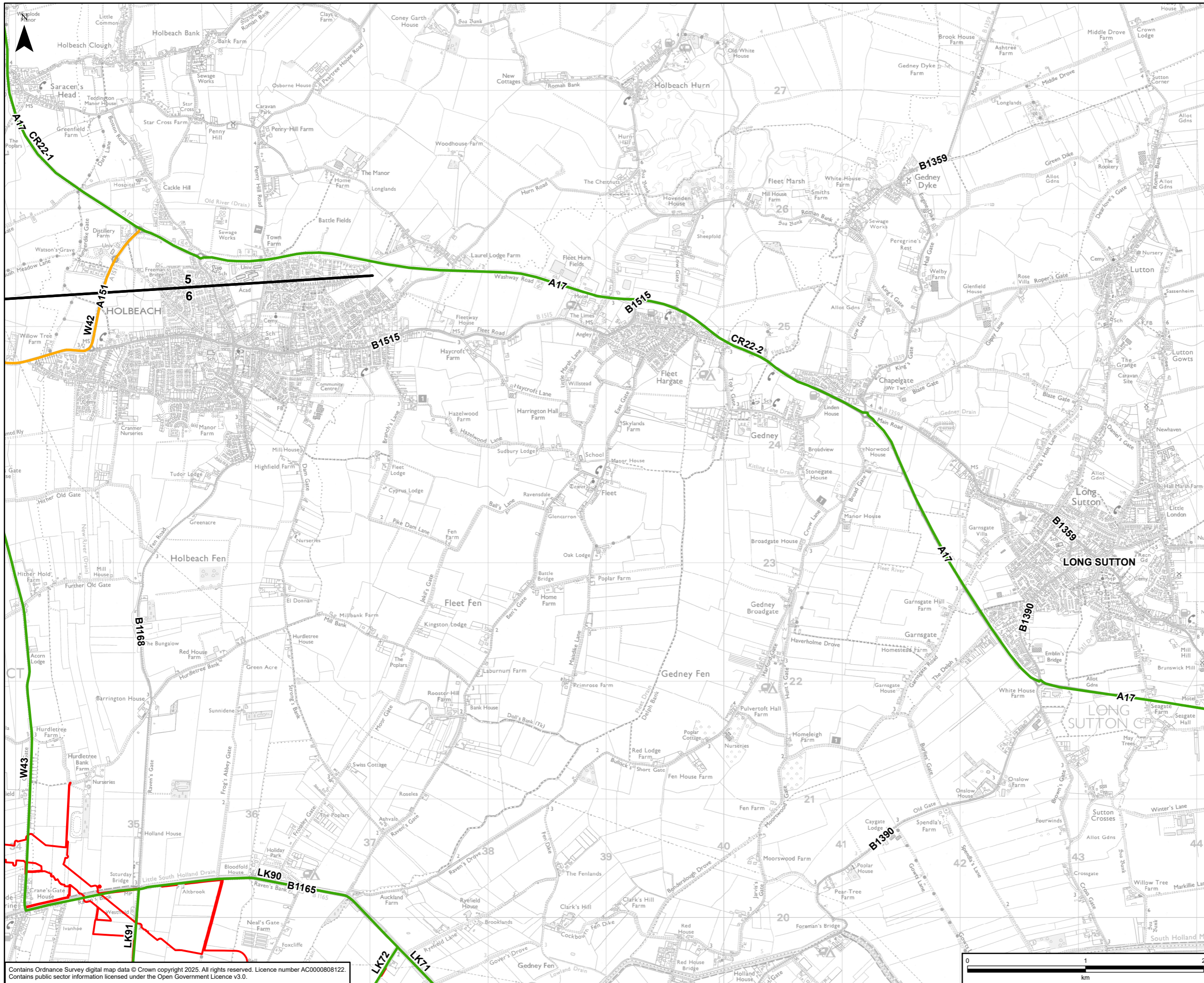
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Rev	Date	Description	GIS	Chk	App

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Purpose: PEI REPORT - SECTION 6					
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Creator: LC	Date: 07/05/2025	Checker: JH	Date: 07/05/2025	Approver: NM	Date: 07/05/2025
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- Legend**
- Draft Order Limits
  - Route Section Break
  - Potential for Significant Effect**
  - Potential for Significant Effect – Further Assessment
  - No Further Assessment
- CR: Primary Access Route - Core Route  
 LK: Primary Access Route - Local Link  
 W: Workers Access Route

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Rev	Date	Description	GIS	Chk	App

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Purpose: PEI REPORT - SECTION 6

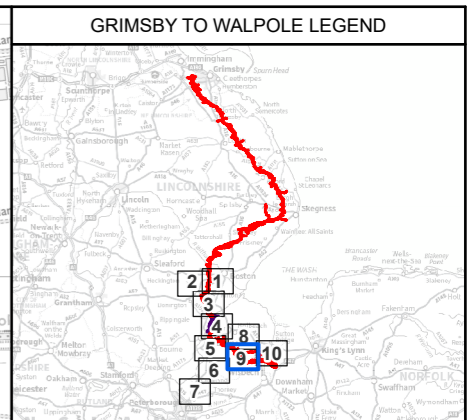
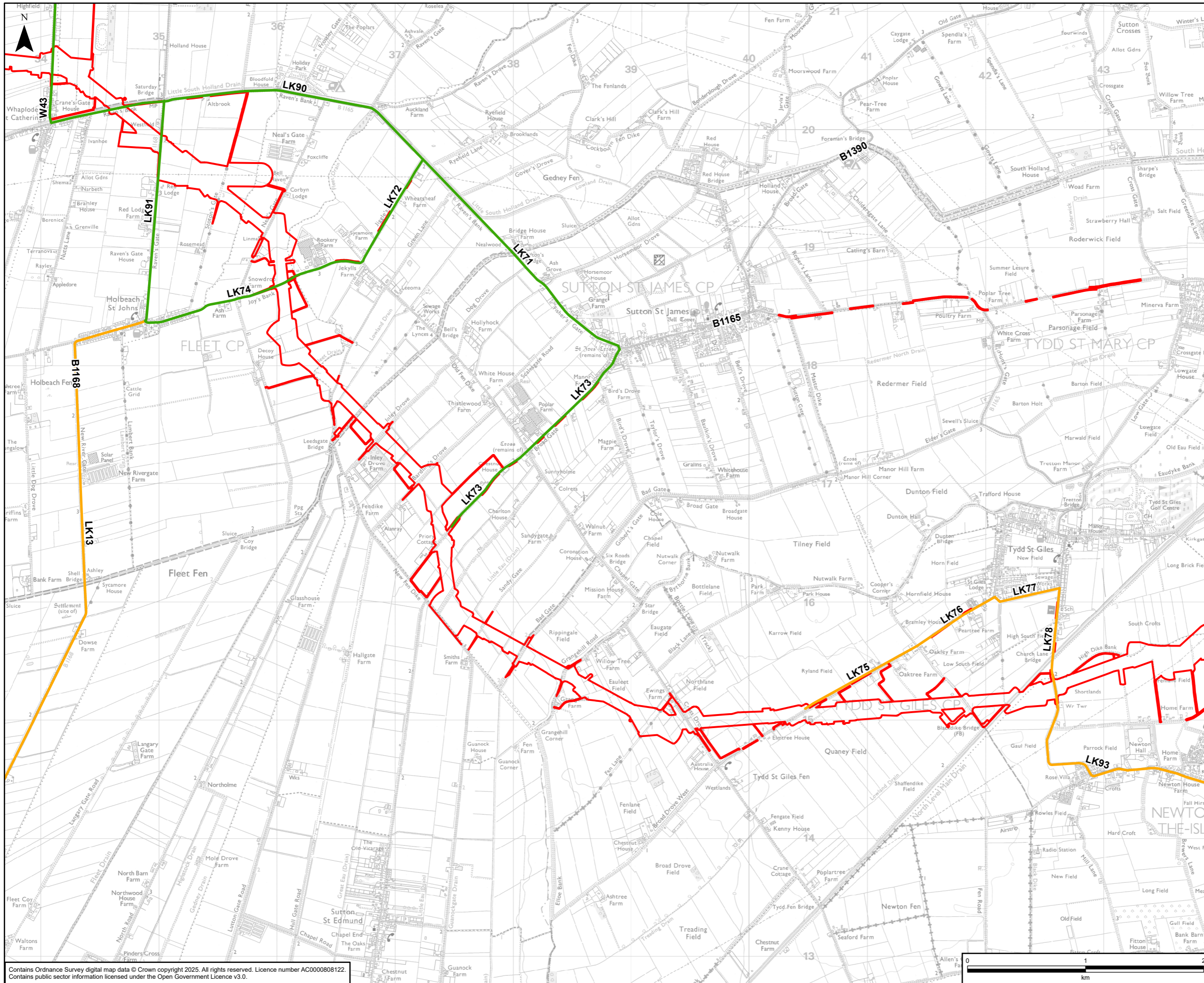
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Document Title: **FIGURE 9.5  
PRELIMINARY IMPACT ANALYSIS**

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- Legend**
- Draft Order Limits
  - Potential for Significant Effect – Further Assessment
  - No Further Assessment
- CR: Primary Access Route - Core Route  
 LK: Primary Access Route - Local Link  
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Rev	Date	Description	GIS	Chk	App

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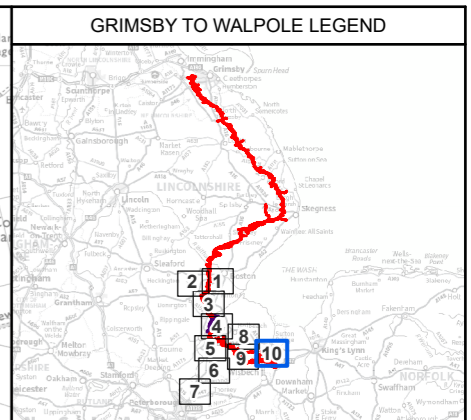
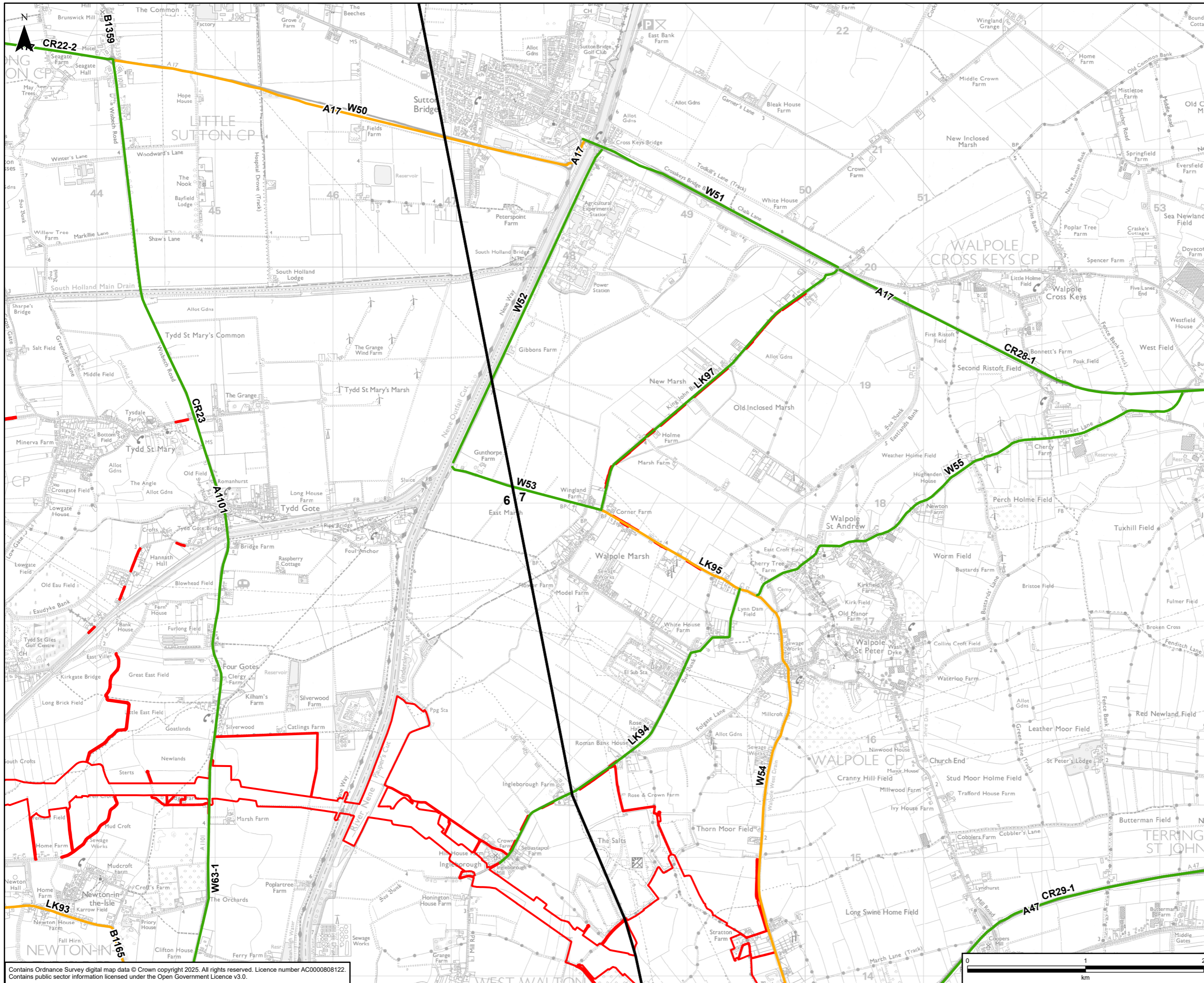
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Scheme: GRIMSBY TO WALPOLE

Document Title: **FIGURE 9.5  
PRELIMINARY IMPACT ANALYSIS**

Creator: LC	Date: 07/05/2025	Checker: JH	Date: 07/05/2025	Approver: NM	Date: 07/05/2025
Document Type: FIGURE	Scale: 1:30,000	Format: A3	Sheets: 9 OF 10	Rev: A	





- Legend**
- Draft Order Limits
  - Route Section Break
  - Potential for Significant Effect – Further Assessment
  - No Further Assessment
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A	07/05/2025	First Issue	LC	JH	NM
Rev	Date	Description	GIS	Chk	App

**nationalgrid**

Purpose: PEI REPORT - SECTION 6

Scheme: GRIMSBY TO WALPOLE

Document Title: **FIGURE 9.5  
PRELIMINARY IMPACT ANALYSIS**

Creator:	Date:	Checker:	Date:	Approver:	Date:
LC	07/05/2025	JH	07/05/2025	NM	07/05/2025
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FIGURE	1:30,000	A3	10 OF 10	A	

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