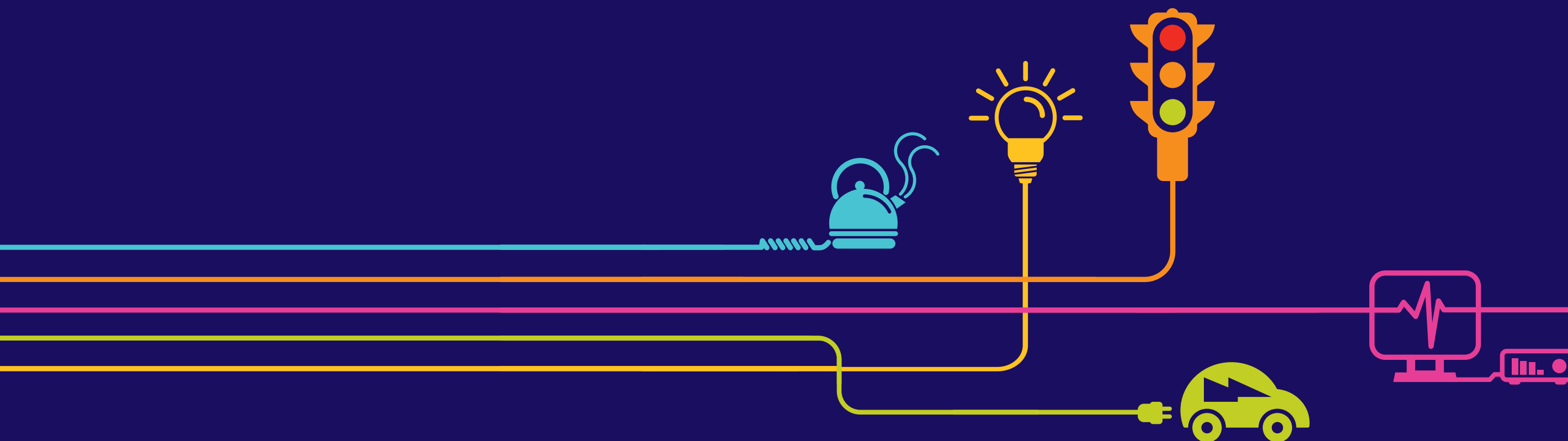


Environmental Statement Project Need and Alternatives Figures 2.12 to 2.14

Hinkley Point C Connection Project

*Regulation 5(2)(a) of the Infrastructure Planning
(Applications: Prescribed Forms and Procedure)
Regulations 2009*



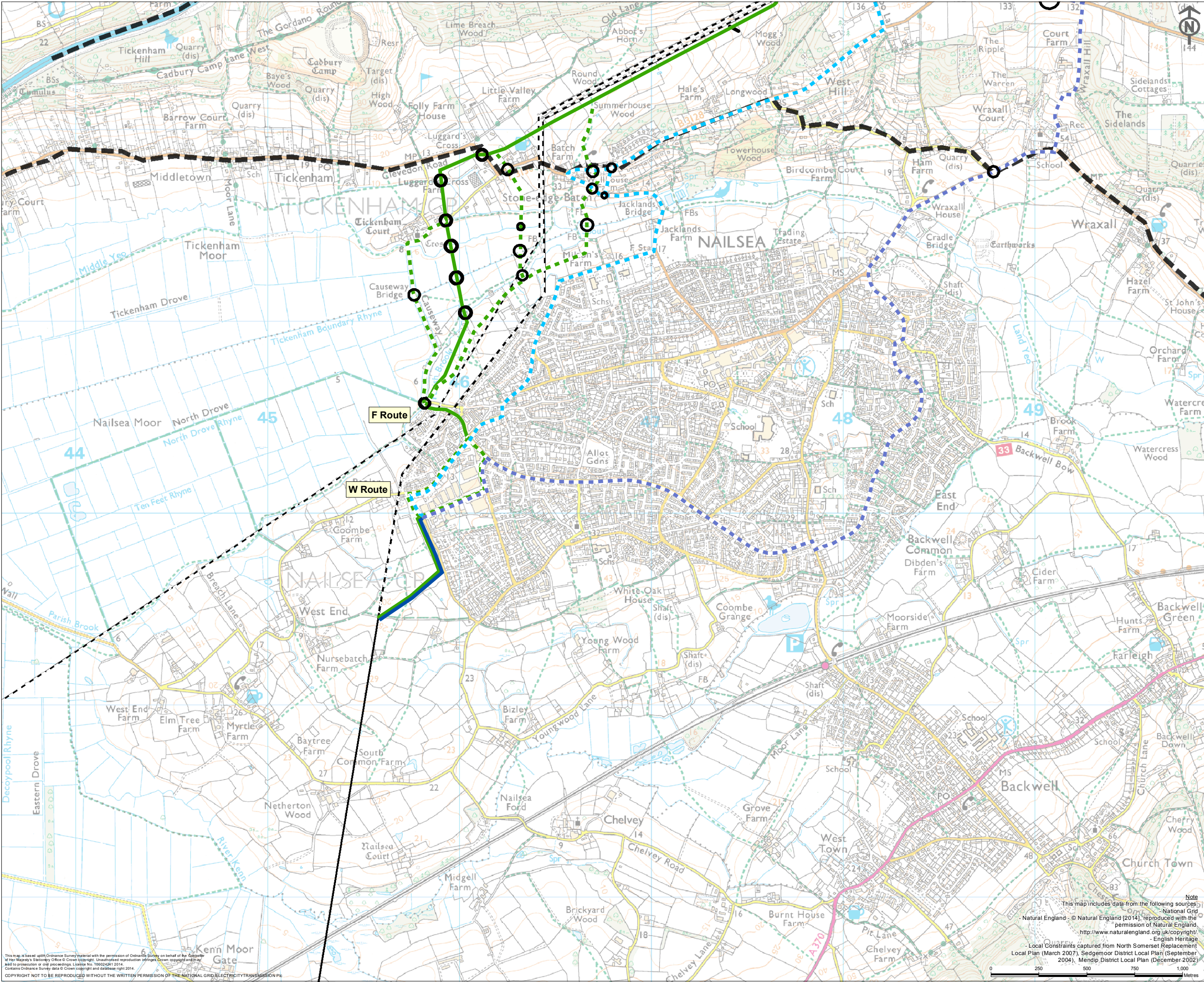
Environmental Statement

Hinkley Point C Connection Project

5.2.3 – Project Need and Alternatives – Figures (orange highlight indicates the contents of this Volume)

Figure	Title
Volume 5.2.3.1	
2.1	Study Area and Route Corridors
2.2	Preferred Route Corridor
2.3	Sections Considered in the Connections Options Report
Volume 5.2.3.2	
2.4	Connections Options Report Route Alignments and Hinkley Line Entries Draft Alignment Options
Volume 5.2.3.3	
2.5	Connections Options Report – Draft Route
2.6	Cable Sealing End Compound Sites – Bridgwater Tee Options
2.7	Cable Sealing End Compound Sites Considered South and North of the Mendip Hills Area of Outstanding Natural Beauty
2.8	Substation Siting Study Area
2.9	AT Route Connection Study Area, Route Corridors, Preferred Route Corridor and Preferred Alignment
2.10	Churchill, W and Y Route Options
2.11	N Route Options into Sandford Substation
Volume 5.2.3.4	
2.12	W Route Options
2.13	W Route Preferred Option
2.14	The Proposed Development (Preliminary Environmental Information Report)
Volume 5.2.3.5	
2.15	Section A Horsey Level to Woolavington Level
2.16	Section A Bridgwater Tee Cable Sealing End Compound
2.17	Section B Mark and Southwick
2.18	Section B Tarnock
2.19	Section D Sandford to Puxton
2.20	Section D Southwest of Nailsea
2.21	Section D West of Nailsea
2.22	Section E Tickenham Ridge
2.23	Section F M5 to Portishead Substation
2.24	Portishead Substation
2.25	Section G River Avon Crossing
2.26	Section G River Avon Crossing
2.27	Section G Avonmouth
2.28	Section G Avonmouth
2.29	Section G Severnside
2.30	Section G Seabank

Figure 2.12 – W Route Options

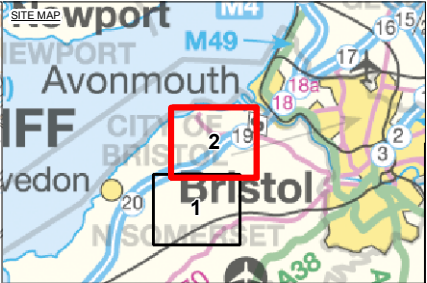
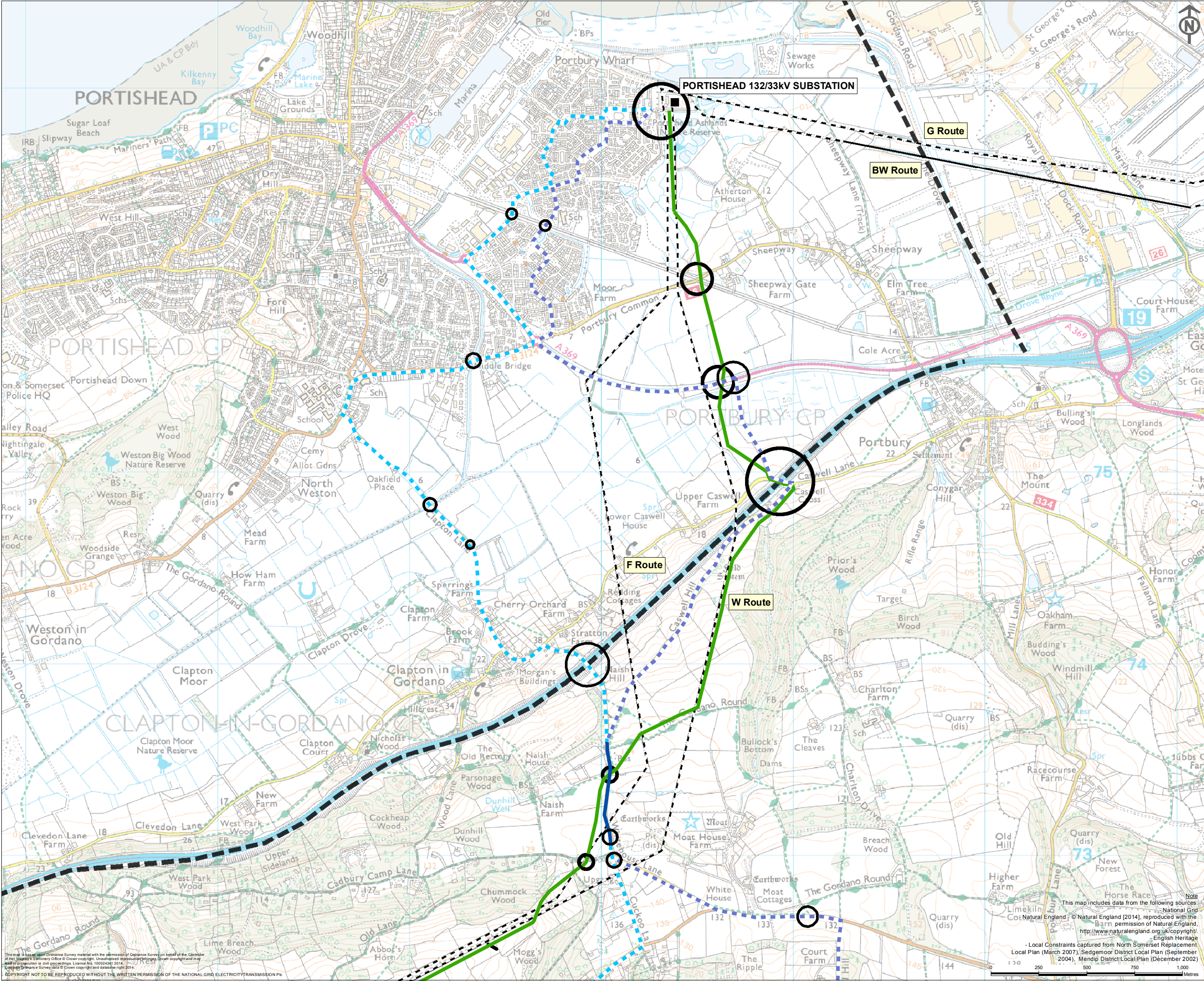


- Key**
- Proposed Infrastructure**
- Blue Route (Double Circuit)
 - Blue Route A (Single Circuit)
 - Blue Route B (Single Circuit)
 - Green Route (Alternative)
 - Green Route (Double Circuit)
 - Special Engineering Difficulties
- Existing Infrastructure**
- Existing Western Power Distribution Overhead Line
 - Existing Western Power Distribution Overhead Line to be Removed
- Section Boundaries**
- Section Boundary

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W ROUTE OPTIONS INSET 1							
							
National Grid plc, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA							
NG INVESTMENT No.		APPLICATION No.		GIS A3			
20897		EN020001					
FIGURE No.		DRAWING No.		SCALE			
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Key

Proposed Infrastructure

- Blue Route (Double Circuit)
- Blue Route A (Single Circuit)
- Blue Route B (Single Circuit)
- Green Route (Double Circuit)
- Special Engineering Difficulties

Existing Infrastructure

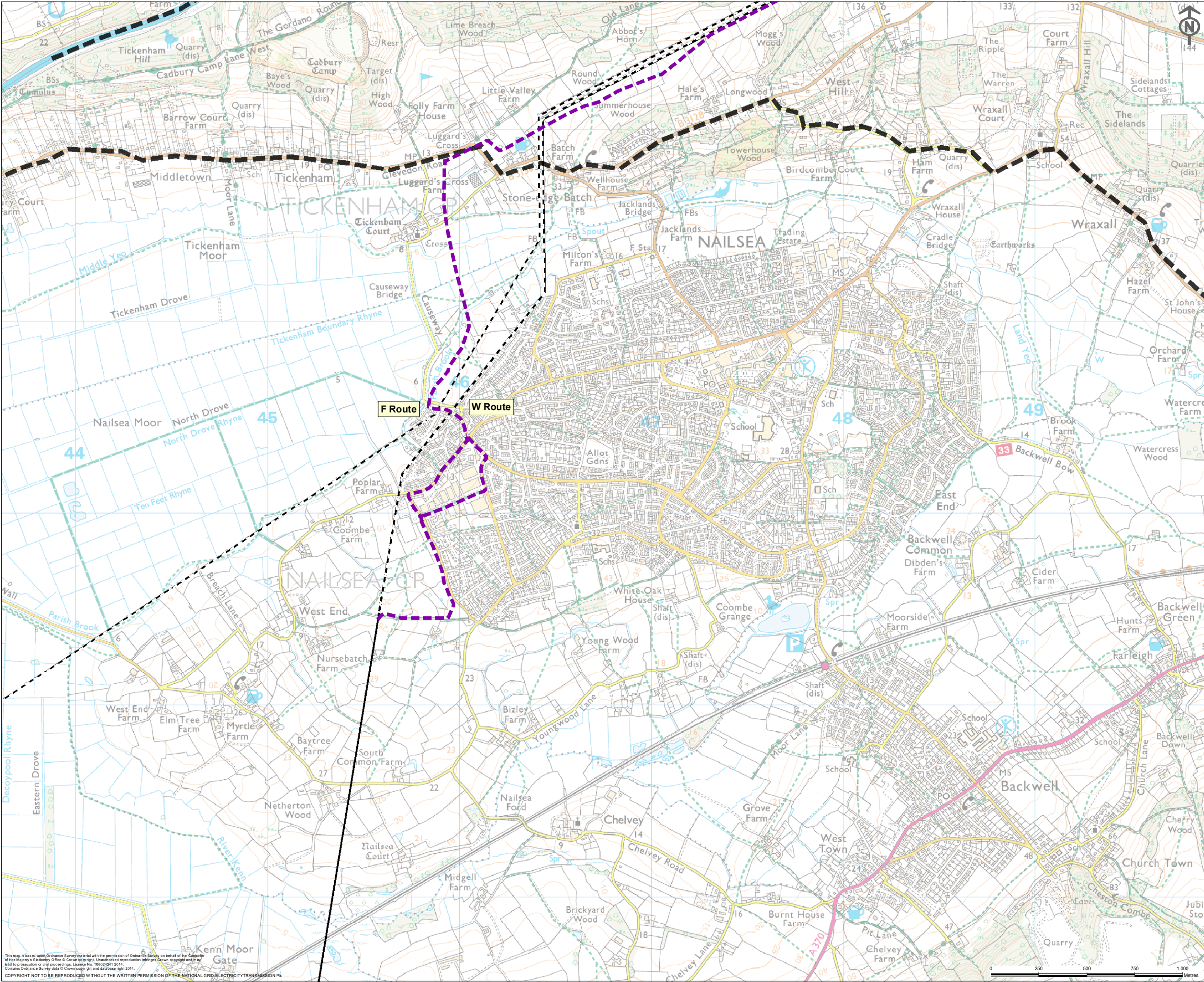
- Existing Western Power Distribution Overhead Line
- Existing Western Power Distribution Overhead Line to be Removed
- Existing Substation

Section Boundaries

- Section Boundary

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W ROUTE OPTIONS INSET 2				
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Figure 2.13 – W Route Preferred Option



- Key**
- Proposed Development**
- W Route 132kV Underground Cable Route (Preferred Option)
- Existing Infrastructure**
- Existing Western Power Distribution Overhead Line
 - Existing Western Power Distribution Overhead Line to be Removed
- Section Boundaries**
- Section Boundary

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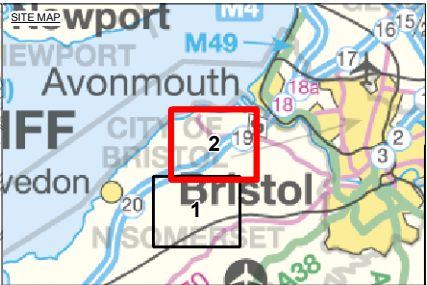
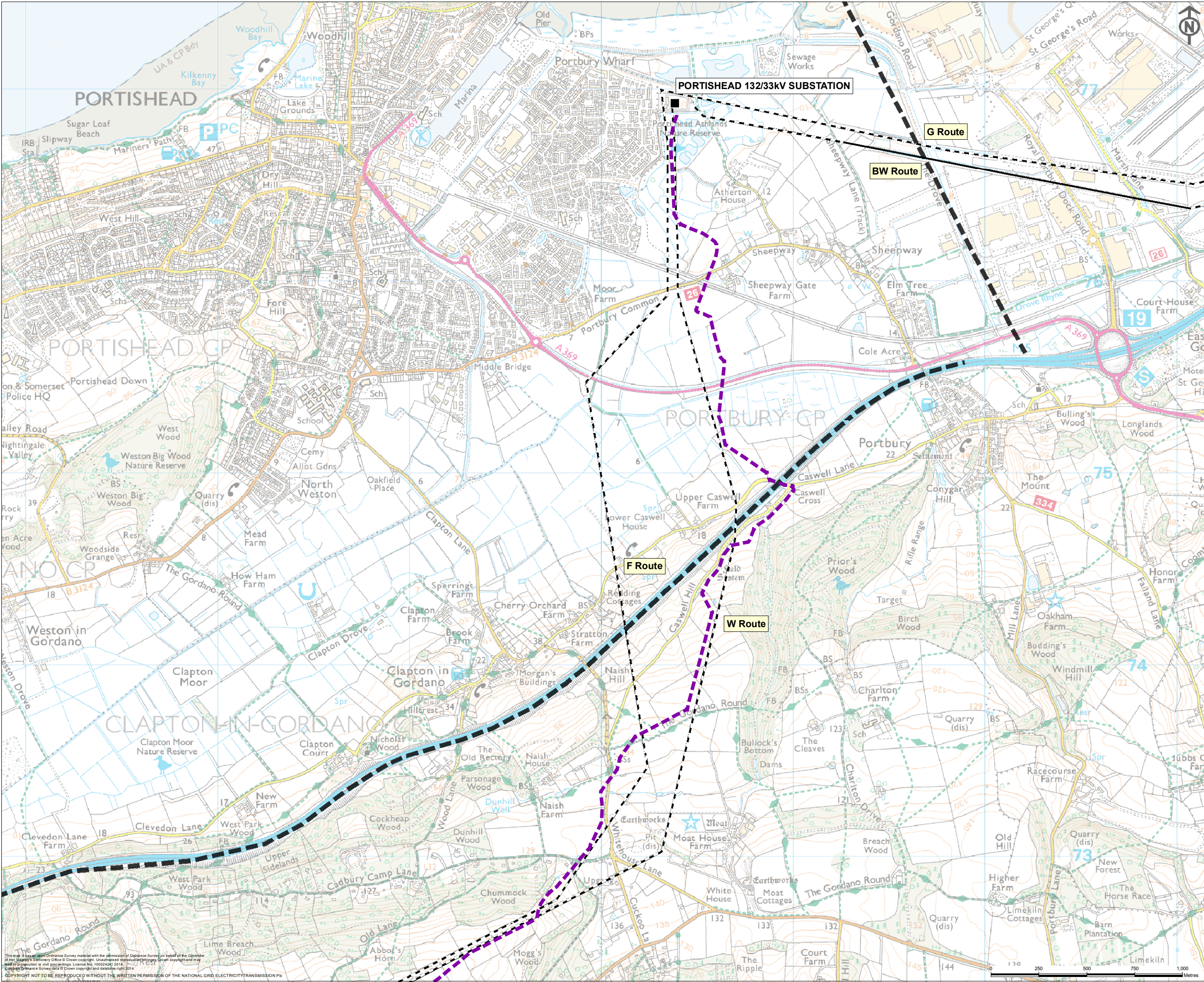
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VOLUME 5.2.3

W ROUTE PREFERRED OPTION
INSET 1

			
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FIGURE No.	DRAWING No.	SCALE	
2.13.1	G1979.2423.1B	1:18,000	
SHEET 1 OF 2			ISSUE
			A



- Key**
- Proposed Development**
- W Route 132kV Underground Cable Route (Preferred Option)
- Existing Infrastructure**
- Existing Western Power Distribution Overhead Line
 - Existing Western Power Distribution Overhead Line to be Removed
 - Existing Substation
- Section Boundaries**
- Section Boundary

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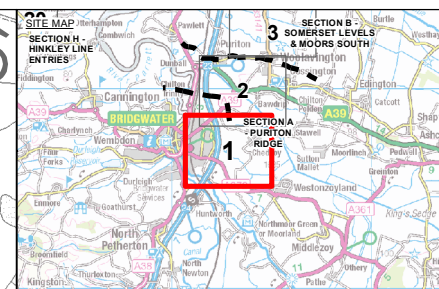
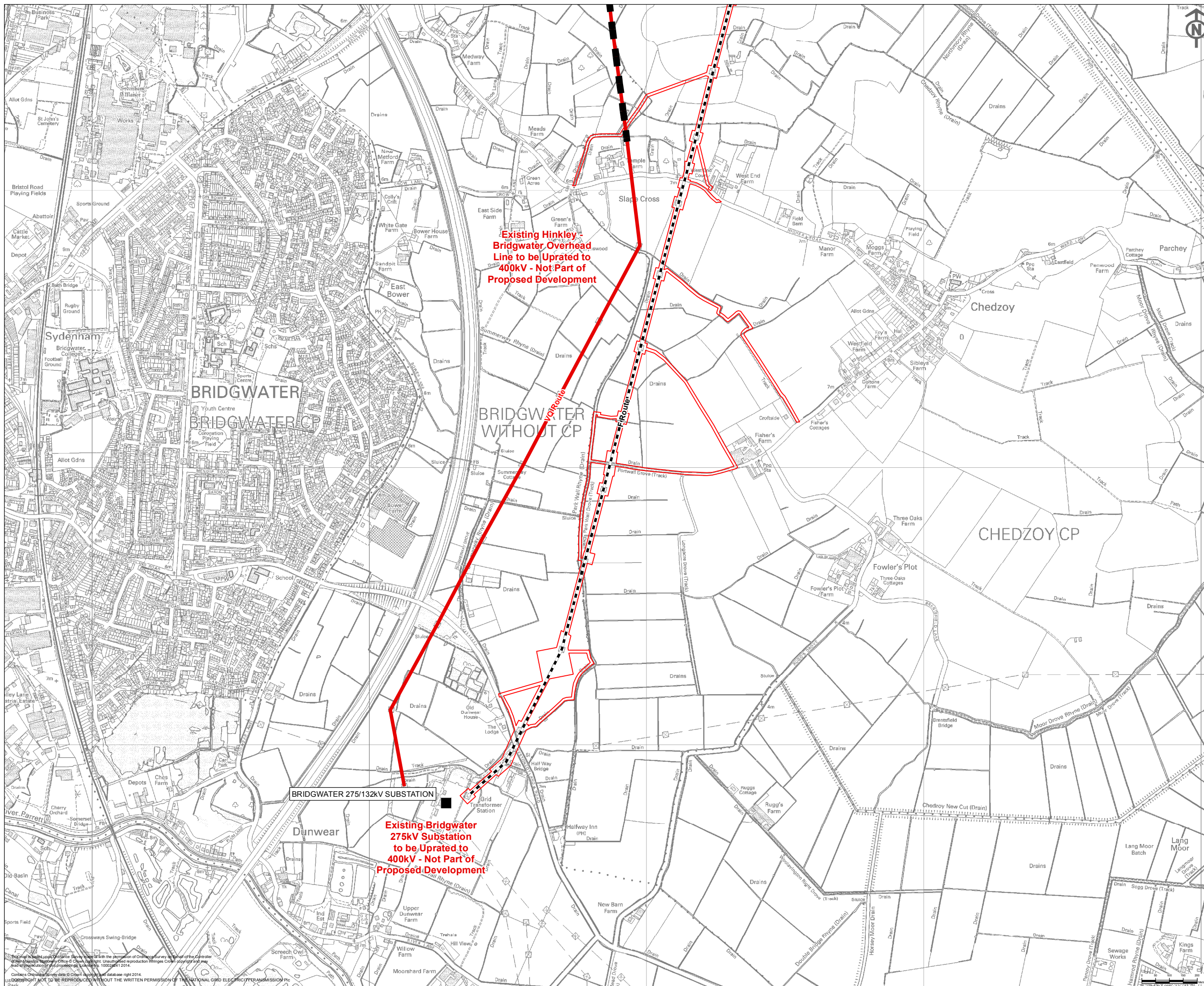
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VOLUME 5.2.3

W ROUTE PREFERRED OPTION
INSET 2

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FIGURE No.	DRAWING No.	SCALE
2.13.2	G1979.2423.2B	1:18,000
SHEET 2 OF 2		ISSUE
		A

Figure 2.14 – The Proposed Development (Preliminary Environmental Information Report)



Key

Proposed Development

☐ Order Limits (At PEIR stage)

Existing Infrastructure

Existing 275kV Overhead Line

Existing Western Power Distribution 132kV

Overhead Line
Existing Western Power Distribution 132kV

Existing Western Lower Distrib
Overhead Line for Removal

Existing Substation

Section Boundary

■ Section Boundary

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1	Title	Author	Date	Page
2	Title	Author	Date	Page
3	Title	Author	Date	Page
4	Title	Author	Date	Page
5	Title	Author	Date	Page
6	Title	Author	Date	Page
7	Title	Author	Date	Page
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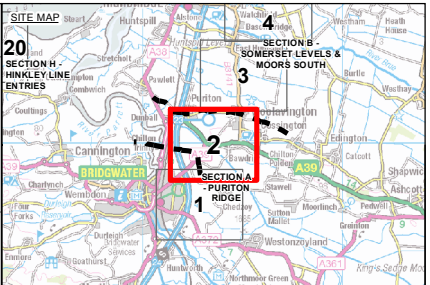
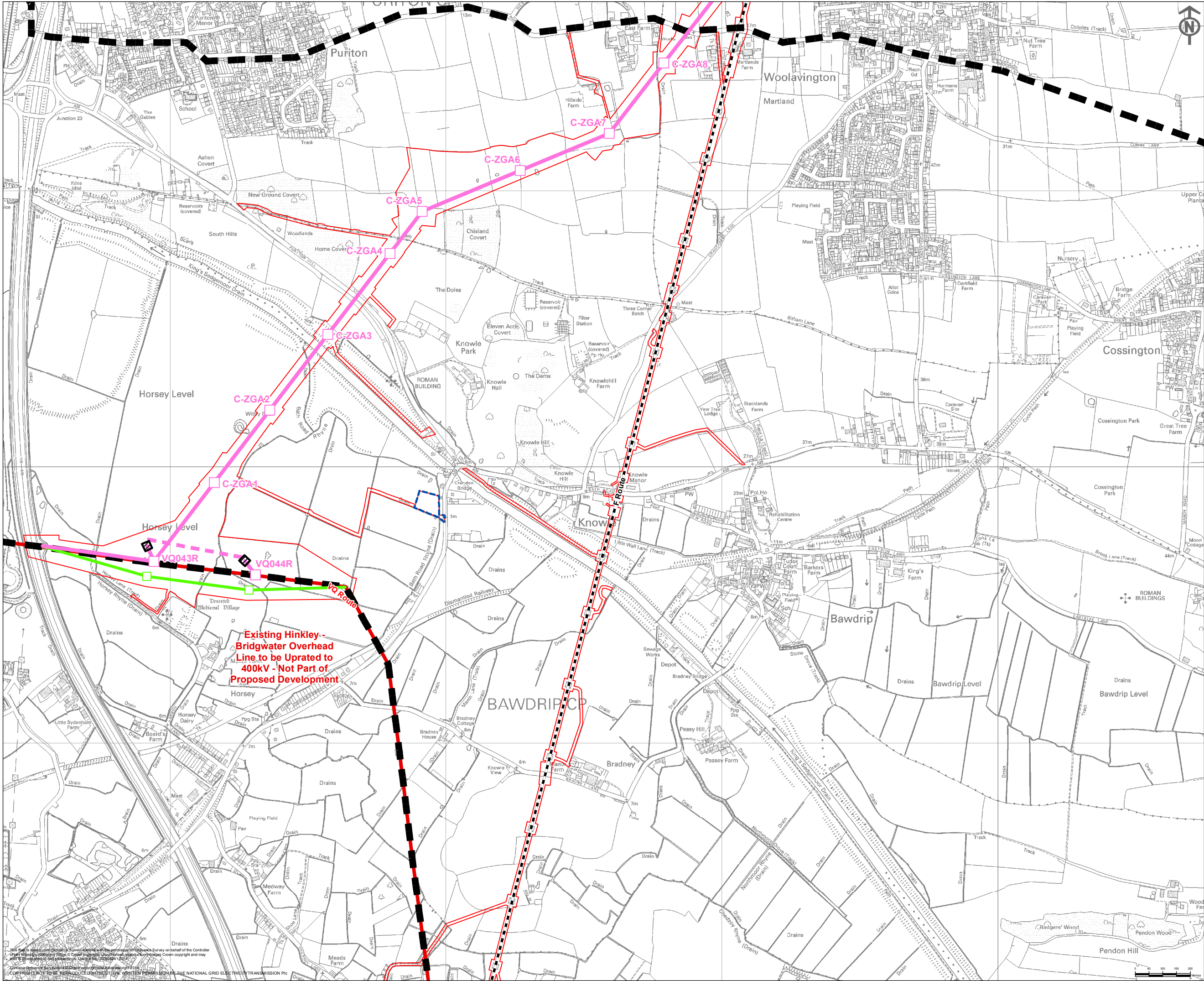
NATIONAL GRID (HINKLEY POINT C
CONNECTION PROJECT)
ENVIRONMENTAL STATEMENT
VOLUME 5.2.3

THE PROPOSED DEVELOPMENT
(PEIR)
INSET 1



National Grid plc, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA

NG INVESTMENT No. 20897	APPLICATION No. EN020001		GIS A3
FIGURE No. 2.14.1	DRAWING No. G1979.2428.1B		SCALE 1:12,500
SHEET 1 of 20			ISSUE A



- Key**
- Proposed Development**
- Order Limits (At PEIR stage)
- Proposed Infrastructure**
- Proposed Route for 400kV Overhead Line
 - Proposed Route for Temporary 275kV Overhead Line
 - Proposed Route for 400kV Underground Cable
 - Proposed 400kV Pylon Position
 - Proposed Temporary Pylon Position
 - Proposed Bridgwater Tee 400kV Cable Sealing End Compound Work Area
 - Proposed Compound / Laydown Area
- Existing Infrastructure**
- Existing 275kV Overhead Line
 - Existing Western Power Distribution 132kV Overhead Line
 - Existing Western Power Distribution 132kV Overhead Line for Removal
- Section Boundary**
- Section Boundary

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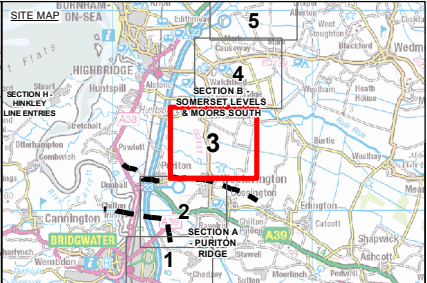
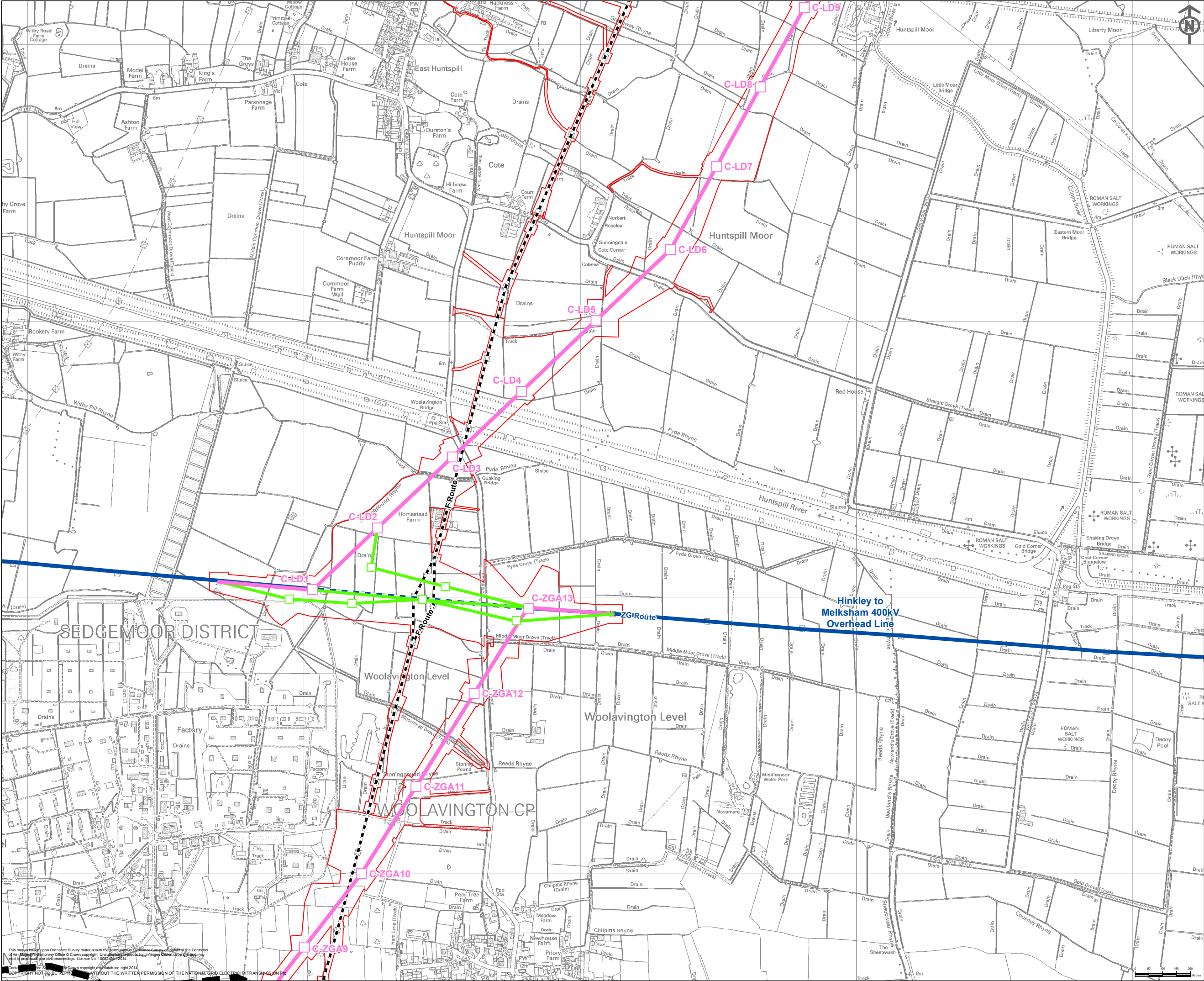
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VOLUME 5.2.3

THE PROPOSED DEVELOPMENT
(PEIR)
INSET 2

			
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2.14.2	G1979.2428.2B		1:12,500
SHEET 2 of 20			ISSUE
			A



Key

Proposed Development

- Order Limits (At PEIR stage)

Proposed Infrastructure

- Proposed Route for 400kV Overhead Line
- Proposed Route for Temporary 400kV Overhead Line
- Proposed 400kV Pylon Position
- Proposed Temporary Pylon Position

Existing Infrastructure

- Existing 400kV Overhead Line
- Existing Western Power Distribution 132kV Overhead Line
- Existing Western Power Distribution 132kV Overhead Line for Removal
- Existing 400kV Overhead line to for Removal

Section Boundary

- Section Boundary

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ENVIRONMENTAL STATEMENT
VOLUME 5.2.3

THE PROPOSED DEVELOPMENT (PEIR)
INSET 3

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National Grid plc, Warwick Technology Park, Gallops Hill, Warwick, CV34 6DA

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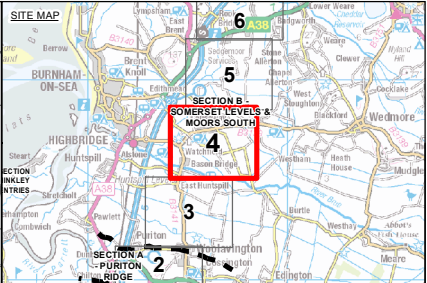
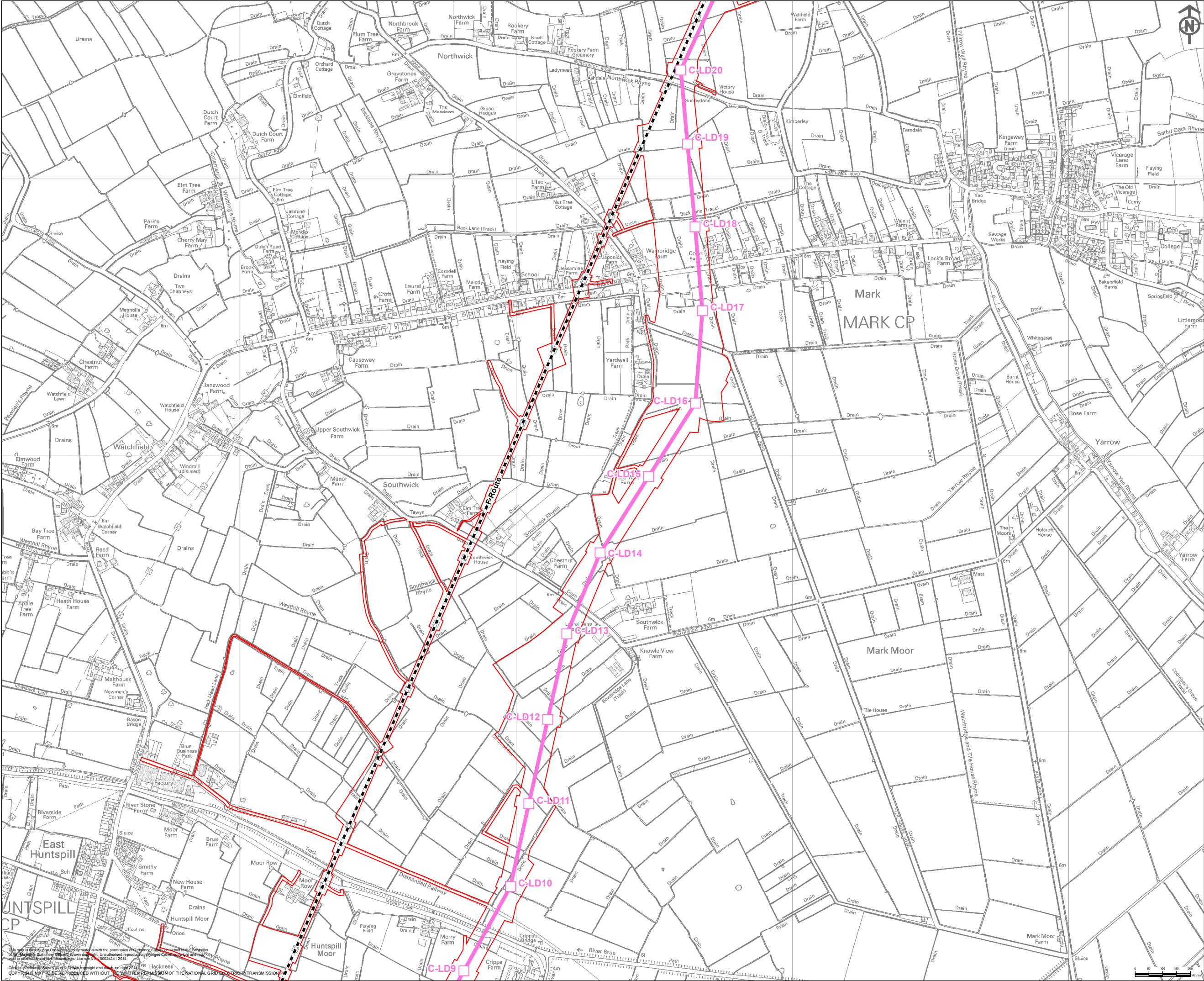
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SHEET 3 of 20

ISSUE

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- Key**
- Proposed Development**
 - Order Limits (At PEIR stage)
 - Proposed Infrastructure**
 - Proposed Route for 400kV Overhead Line
 - Proposed 400kV Pylon Position
 - Existing Infrastructure**
 - Existing Western Power Distribution 132kV Overhead Line
 - Existing Western Power Distribution 132kV Overhead Line for Removal

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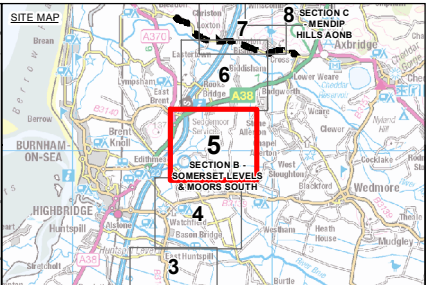
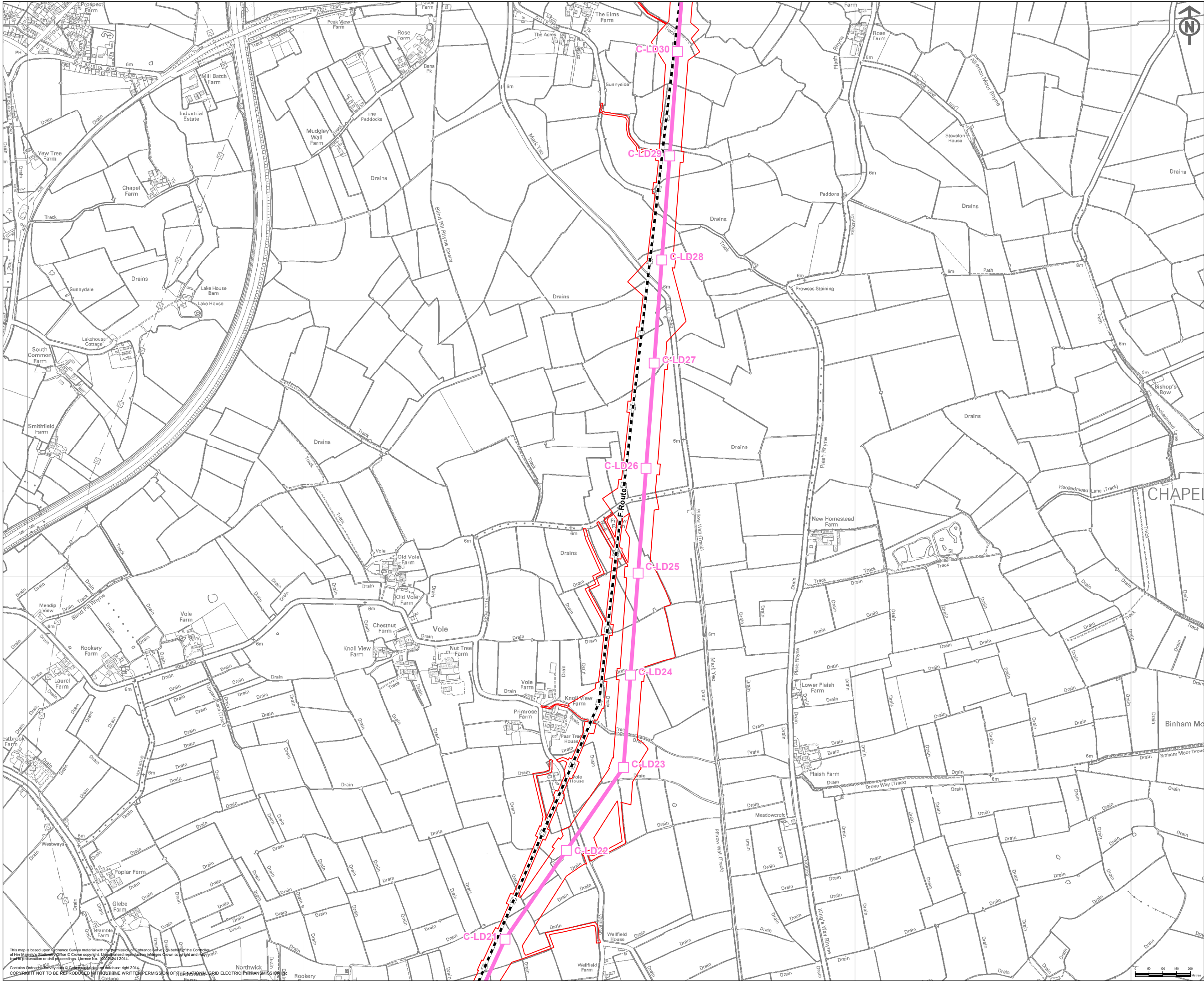
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VOLUME 5.2.3

THE PROPOSED DEVELOPMENT (PEIR)
INSET 4

nationalgrid National Grid plc, Warwick Technology Park, Galloway Hill, Warwick, CV34 6DA			
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FIGURE No. 2.14.4	DRAWING No. G1979.2428.4B	SCALE 1:12,500	ISSUE A
SHEET 4 of 20			

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- Key**
- Proposed Development**
- Order Limits (At PEIR stage)
- Proposed Infrastructure**
- Proposed Route for 400kV Overhead Line
 - Proposed 400kV Pylon Position
- Existing Infrastructure**
- Existing Western Power Distribution 132kV Overhead Line
 - Existing Western Power Distribution 132kV Overhead Line for Removal

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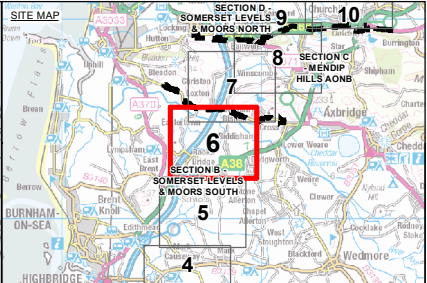
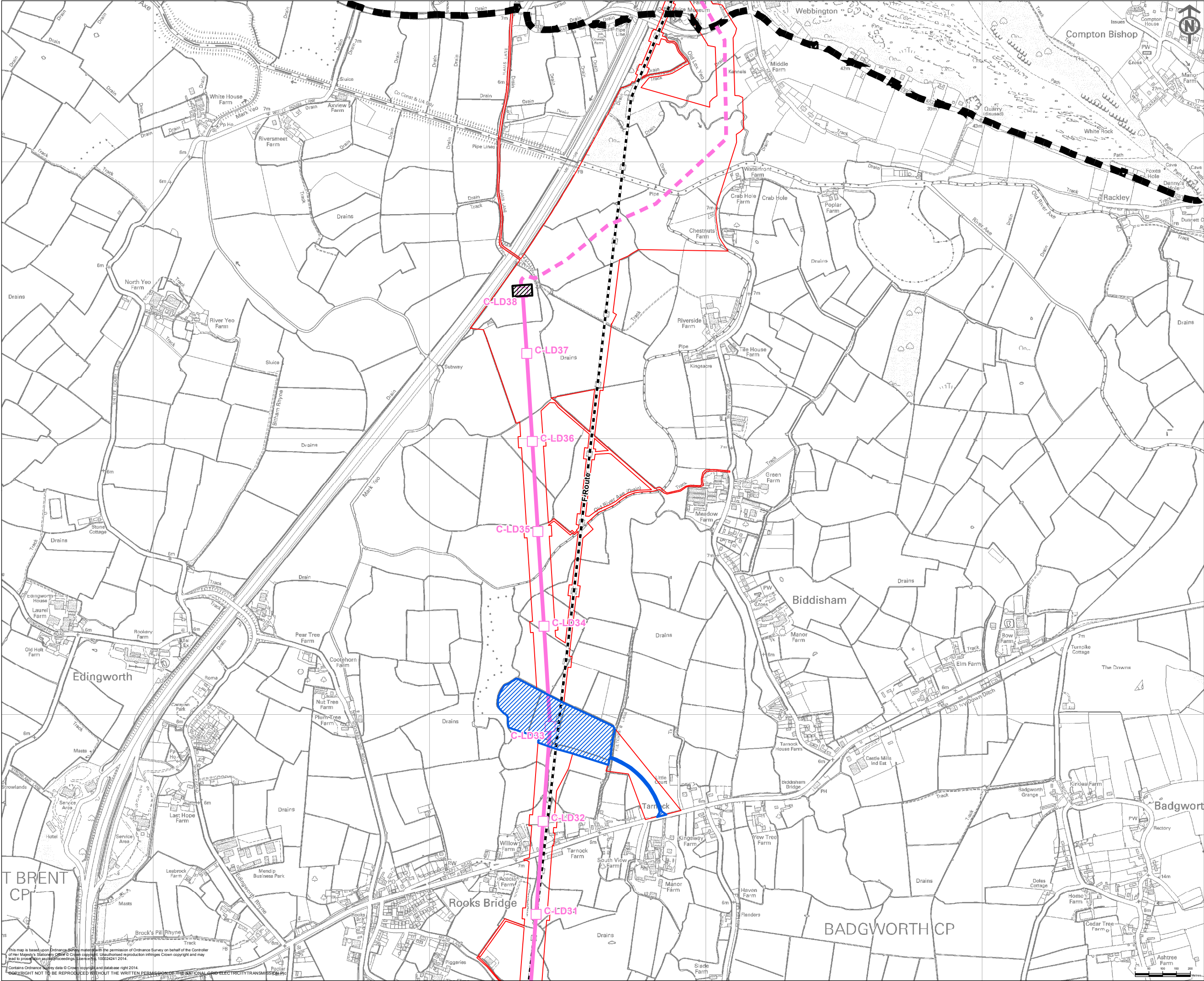
THE PROPOSED DEVELOPMENT (PEIR)
INSET 5

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FIGURE No.	DRAWING No.	SCALE
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SHEET 5 of 20		ISSUE
		A

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- Key**
- Proposed Development**
- Order Limits (At PEIR stage)
- Proposed Infrastructure**
- Proposed Route for 400kV Overhead Line
 - Proposed Route for 400kV Underground Cable
 - Proposed 400kV Pylon Position
 - Proposed Work Area
 - Proposed South of the Mendip Hills 400kV Cable Sealing End Compound Work Area
- Existing Infrastructure**
- Existing Western Power Distribution 132kV Overhead Line
 - Existing Western Power Distribution 132kV Overhead Line for Removal
- Section Boundary**
- Section Boundary

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VOLUME 5.2.3

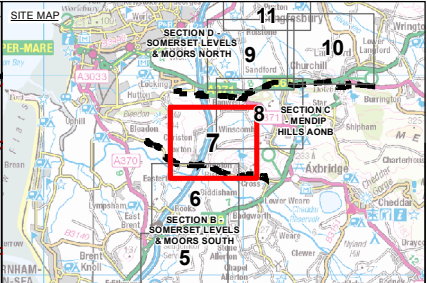
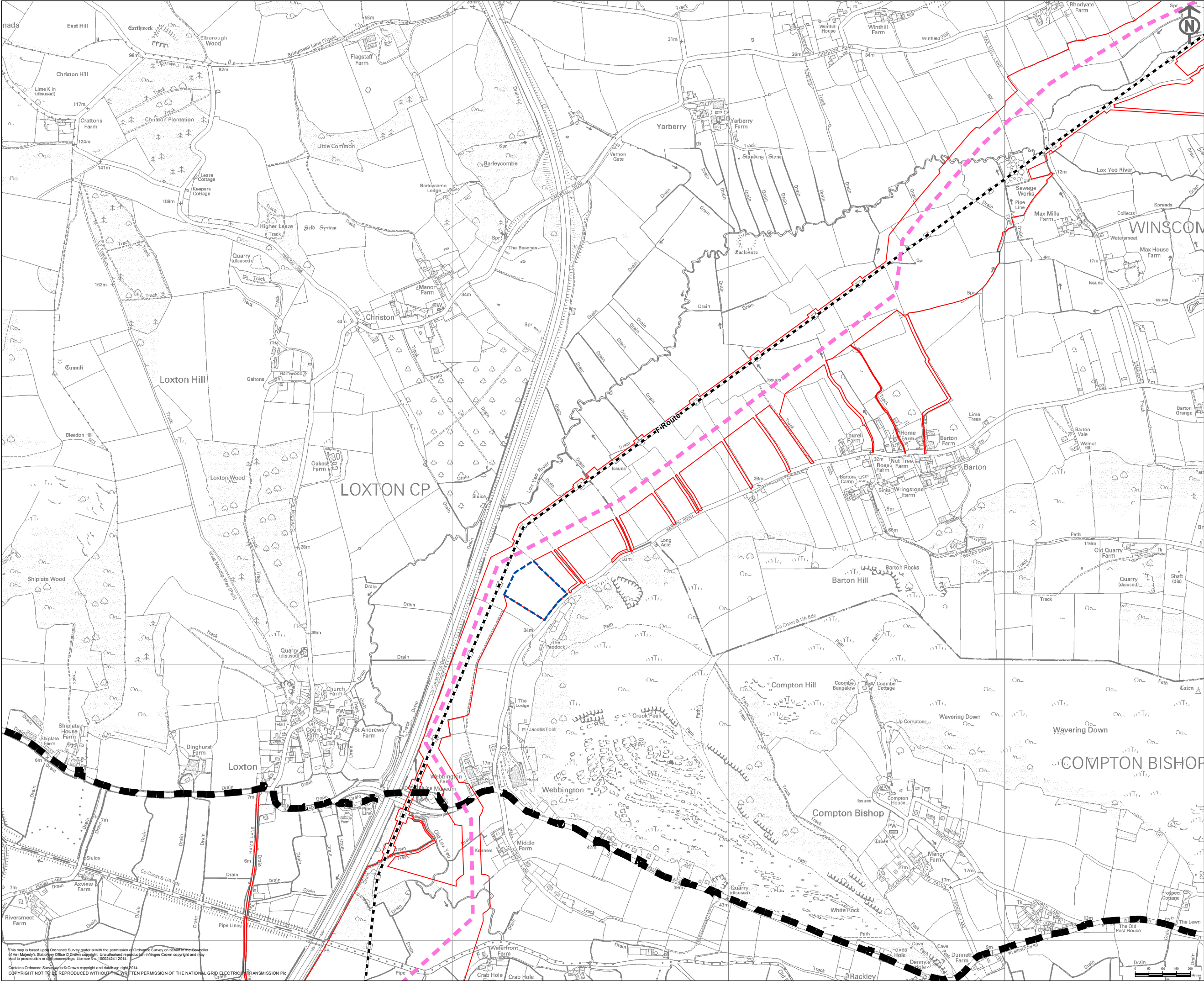
THE PROPOSED DEVELOPMENT (PEIR)
INSET 6

			
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SHEET 6 of 20			ISSUE
			A

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Key

Proposed Development

- Order Limits (At PEIR stage)

Proposed Infrastructure

- Proposed Route for 400kV Underground Cable
- Proposed Compound / Laydown Area

Existing Infrastructure

- Existing Western Power Distribution 132kV Overhead Line
- Existing Western Power Distribution 132kV Overhead Line for Removal

Section Boundary

- Section Boundary

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ENVIRONMENTAL STATEMENT
VOLUME 5.2.3

THE PROPOSED DEVELOPMENT (PEIR)
INSET 7

nationalgrid

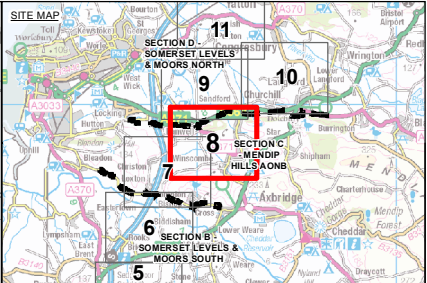
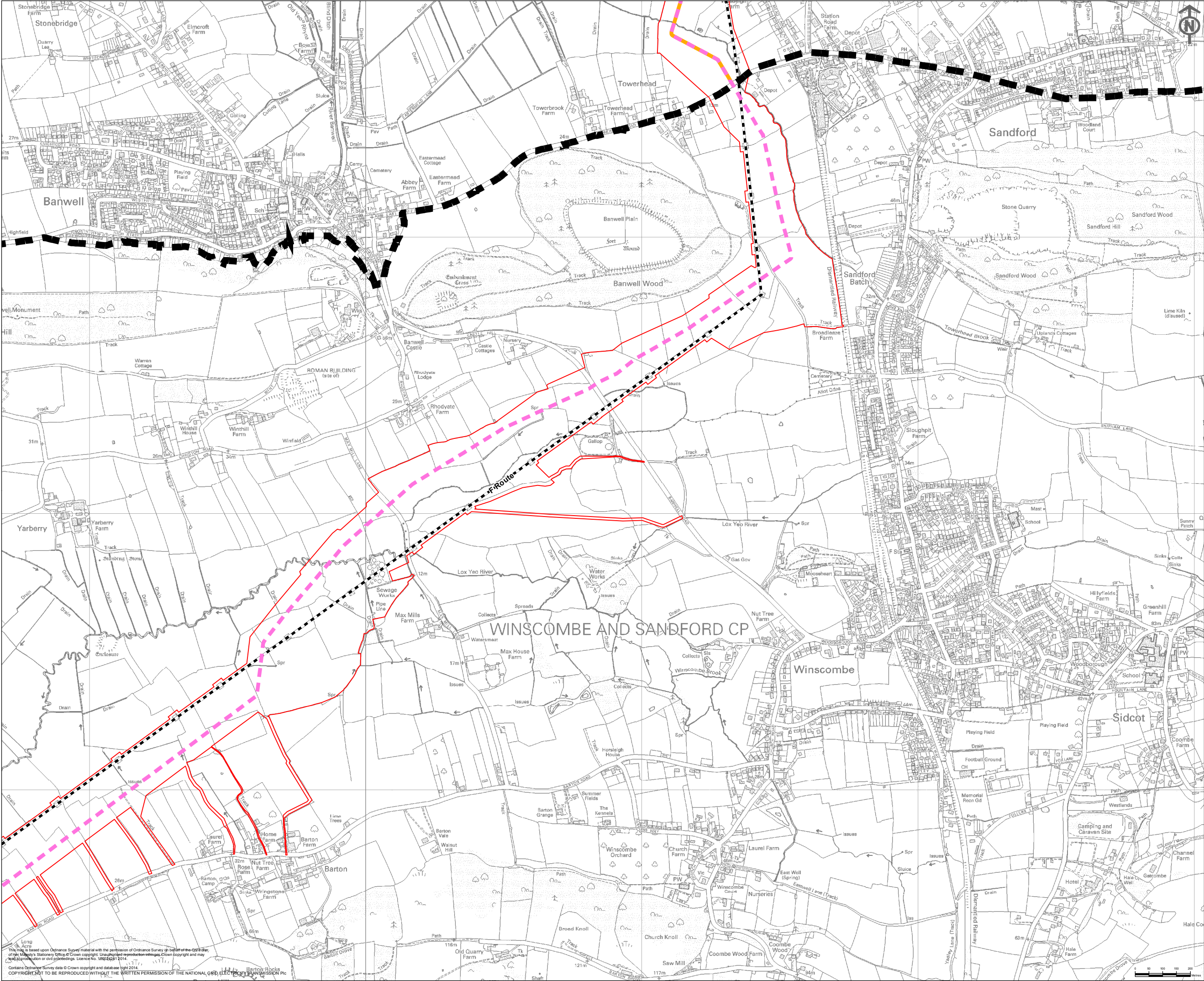
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SHEET 7 of 20		ISSUE A

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- Key**
- Proposed Development**
- Order Limits (At PEIR stage)
- Proposed Infrastructure**
- Proposed Route for 400kV Underground Cable
 - Proposed Semi-Permanent Access Road
- Existing Infrastructure**
- Existing Western Power Distribution 132kV Overhead Line
 - Existing Western Power Distribution 132kV Overhead Line for Removal
- Section Boundary**
- Section Boundary

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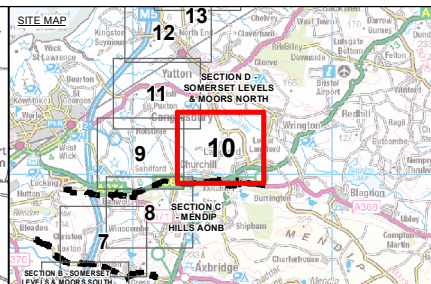
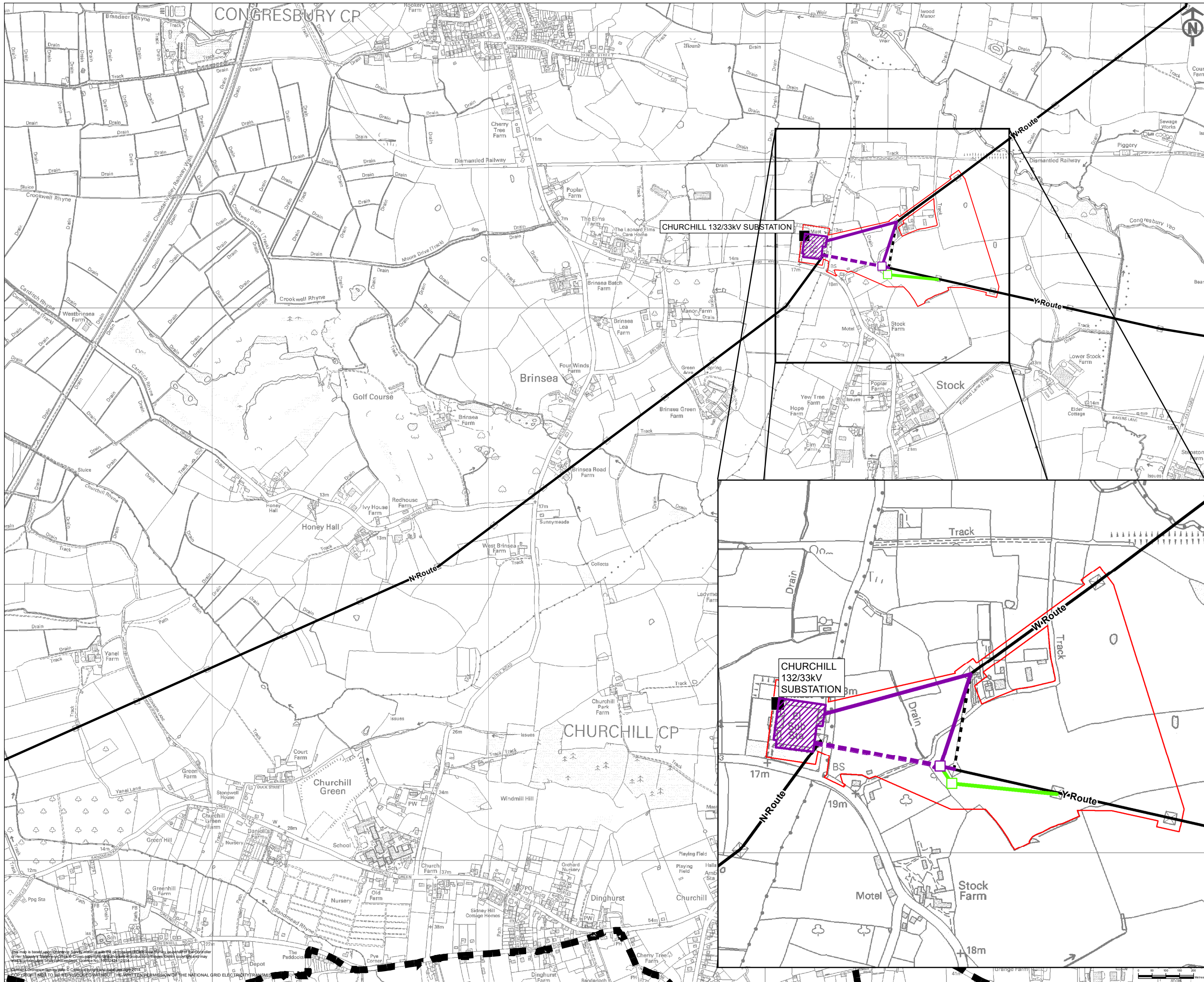
THE PROPOSED DEVELOPMENT (PEIR)
INSET 8

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SHEET 8 of 20			ISSUE
			A

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- Key**
- Proposed Development**
- Order Limits (At PEIR stage)
- Proposed Infrastructure**
- Proposed Route for 132kV Overhead Line
 - Proposed Route for Temporary 132kV Overhead Line
 - Proposed Route for 132kV Underground Cable
 - Proposed 132kV Pylon Position
 - Proposed Temporary Pylon Position
 - Proposed Churchill 132kV Substation Work Area
- Existing Infrastructure**
- Existing Western Power Distribution 132kV Overhead Line
 - Existing Western Power Distribution 132kV Overhead Line for Removal
 - Existing Substation
- Section Boundary**
- Section Boundary

Notes

This map includes data from the following sources:

- National Grid
- Ordnance Survey

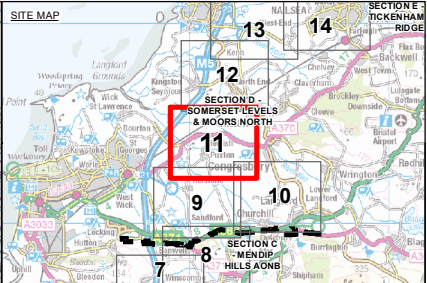
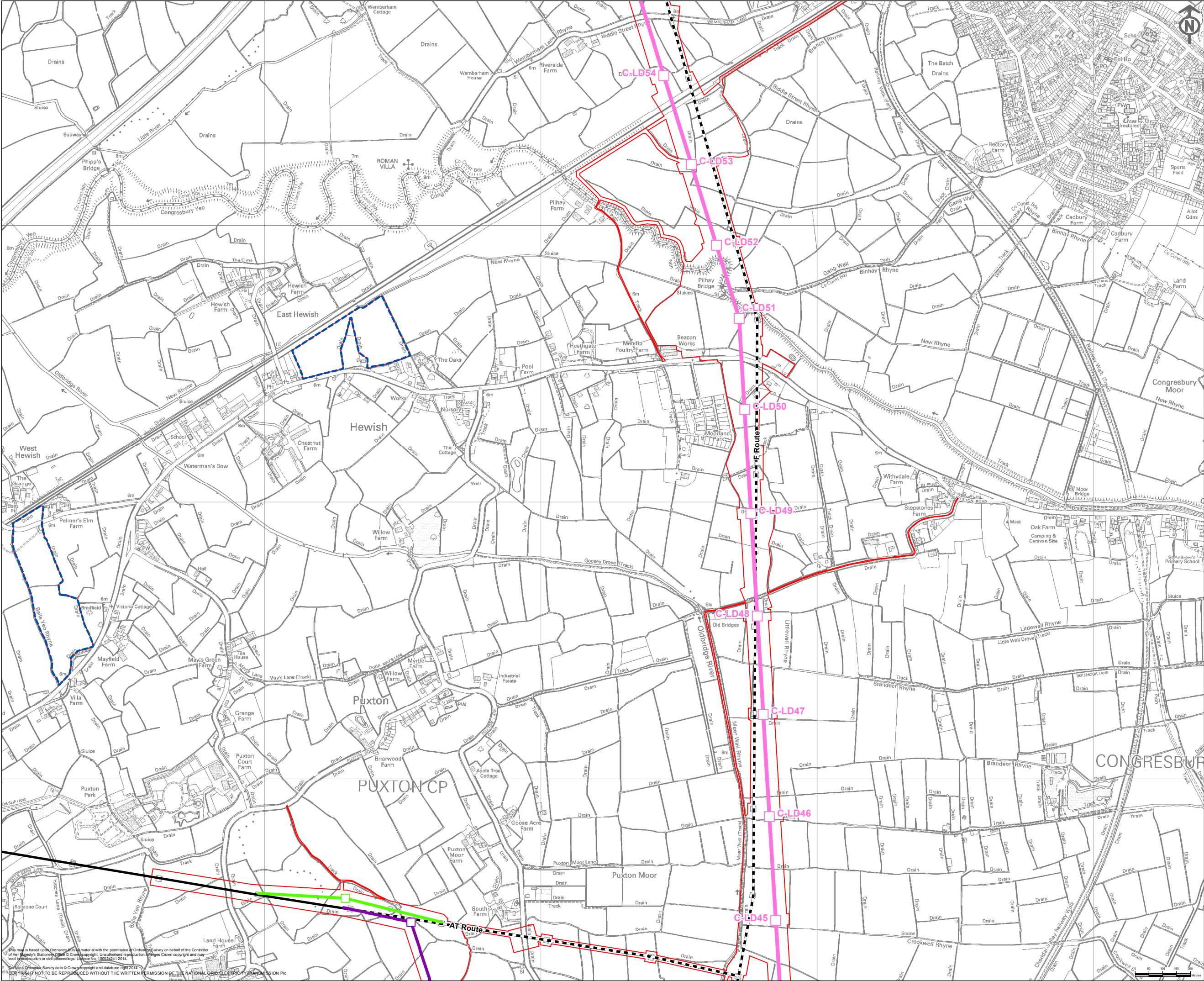
A	30/04/14	DCO SUBMISSION	CB	BC	BC
ISSUE	DATE	COMMENTS	DRAW	CHK'D	APP'D

Title

NATIONAL GRID (HINKLEY POINT C CONNECTION PROJECT)
ENVIRONMENTAL STATEMENT
VOLUME 5.2.3

THE PROPOSED DEVELOPMENT
(PEIR)
INSET 10

nationalgrid			
National Grid plc, Warwick Technology Park, Galvans Hill, Warwick, CV34 6DA			
NG INVESTMENT No.	APPLICATION No.		GIS
20897	EN020001		A3
FIGURE No.	DRAWING No.	SCALE	
2.14.10	G1979.2428.10B	1:12,500	
SHEET 10 of 20			ISSUE
			A



Key

Proposed Development

- Order Limits (At PEIR stage)

Proposed Infrastructure

- Proposed Route for 400kV Overhead Line
- Proposed Route for 132kV Overhead Line
- Proposed Route for Temporary 132kV Overhead Line
- Proposed 400kV Pylon Position
- Proposed 132kV Pylon Position
- Proposed Temporary Pylon Position
- Proposed Compound / Laydown Area

Existing Infrastructure

- Existing Western Power Distribution 132kV Overhead Line
- Existing Western Power Distribution 132kV Overhead Line for Removal

Notes

This map includes data from the following sources:

- National Grid
- Ordnance Survey

ISSUE	DATE	COMMENTS	DRAW	CHK'D	APP'D
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Title

NATIONAL GRID (HINKLEY POINT C CONNECTION PROJECT)
ENVIRONMENTAL STATEMENT
VOLUME 5.2.3

THE PROPOSED DEVELOPMENT (PEIR)
INSET 11

nationalgrid

National Grid plc, Warwick Technology Park, Galloway Hill, Warwick, CV34 6DA

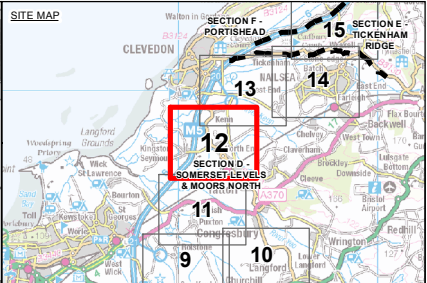
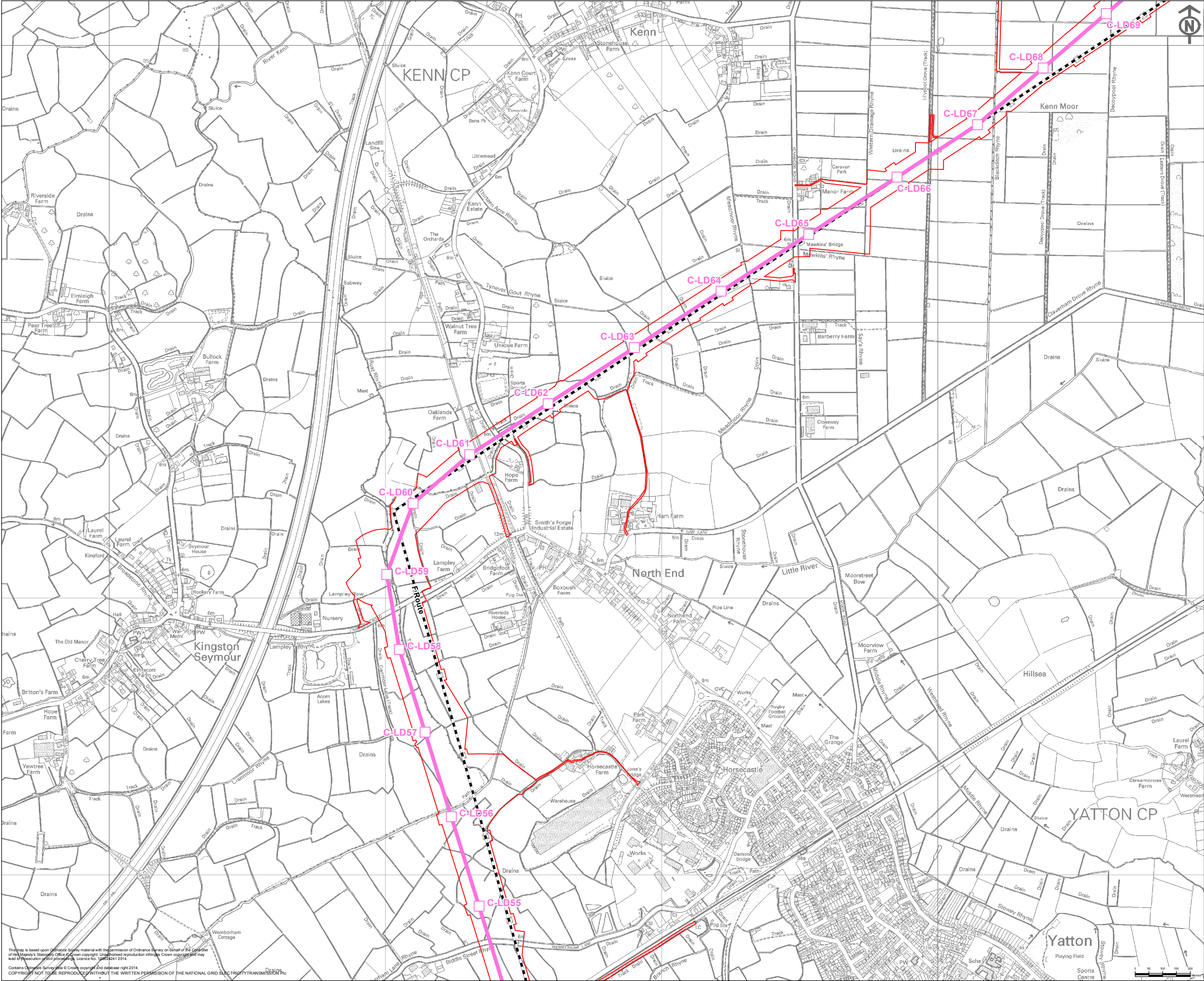
NG INVESTMENT No.	APPLICATION No.	GIS A3
20897	EN020001	
FIGURE No.	DRAWING No.	SCALE 1:12,500
2.14.11	G1979.2428.11B	ISSUE A

SHEET 11 of 20

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Key

Proposed Development

- Order Limits (At PEIR stage)

Proposed Infrastructure

- Proposed Route for 400kV Overhead Line
- Proposed 400kV Pylon Position

Existing Infrastructure

- Existing Western Power Distribution 132kV Overhead Line
- Existing Western Power Distribution 132kV Overhead Line for Removal

Notes

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- National Grid
- Ordnance Survey

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ISSUE	DATE	COMMENTS	DRAW	CHK'D	APP'D

Title

NATIONAL GRID (HINKLEY POINT C CONNECTION PROJECT)
ENVIRONMENTAL STATEMENT
VOLUME 5.2.3

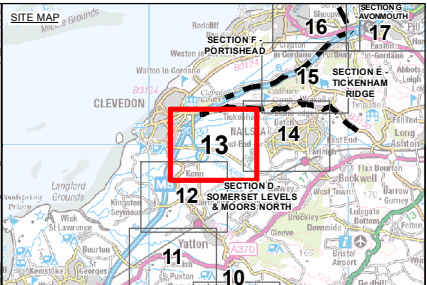
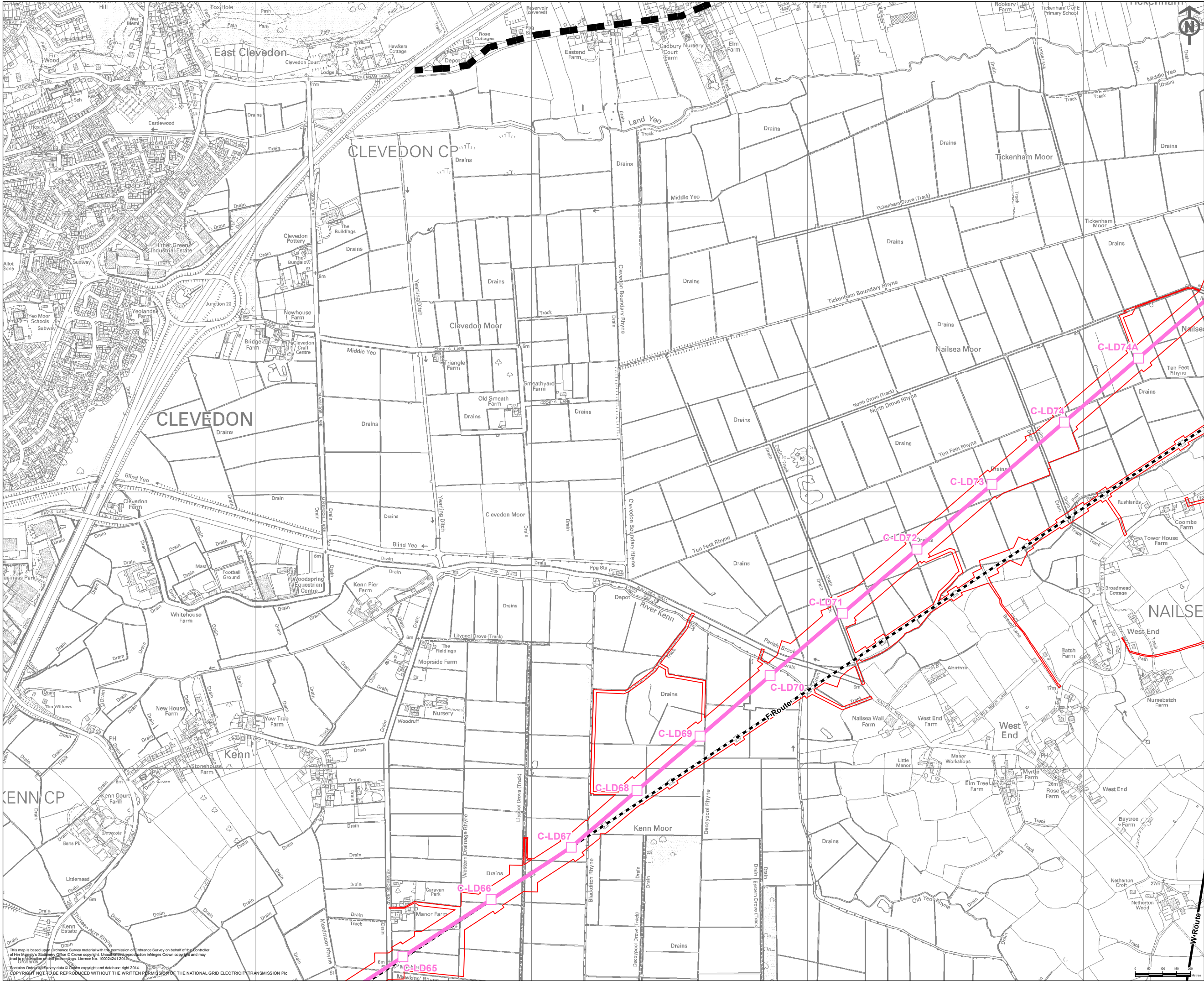
THE PROPOSED DEVELOPMENT (PEIR)
INSET 12

 National Grid plc, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA			
NG INVESTMENT No. 20897	APPLICATION No. EN020001		GIS A3
FIGURE No. 2.14.12	DRAWING No. G1979.2428.12B		SCALE 1:12,500
SHEET 12 of 20			ISSUE A

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- Key**
- Proposed Development**
- Order Limits (At PEIR stage)
- Proposed Infrastructure**
- Proposed Route for 400kV Overhead Line
 - Proposed 400kV Pylon Position
- Existing Infrastructure**
- Existing Western Power Distribution 132kV Overhead Line
 - Existing Western Power Distribution 132kV Overhead Line for Removal
- Section Boundary**
- Section Boundary

Notes

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ISSUE	DATE	COMMENTS	DRAW	CHK'D	APP'D

Title

NATIONAL GRID (HINKLEY POINT C CONNECTION PROJECT)
ENVIRONMENTAL STATEMENT
VOLUME 5.2.3

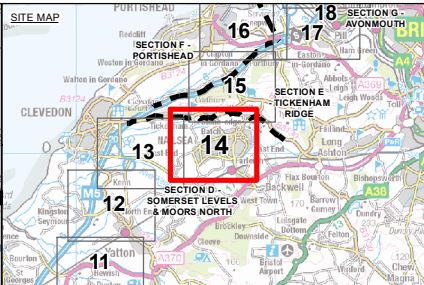
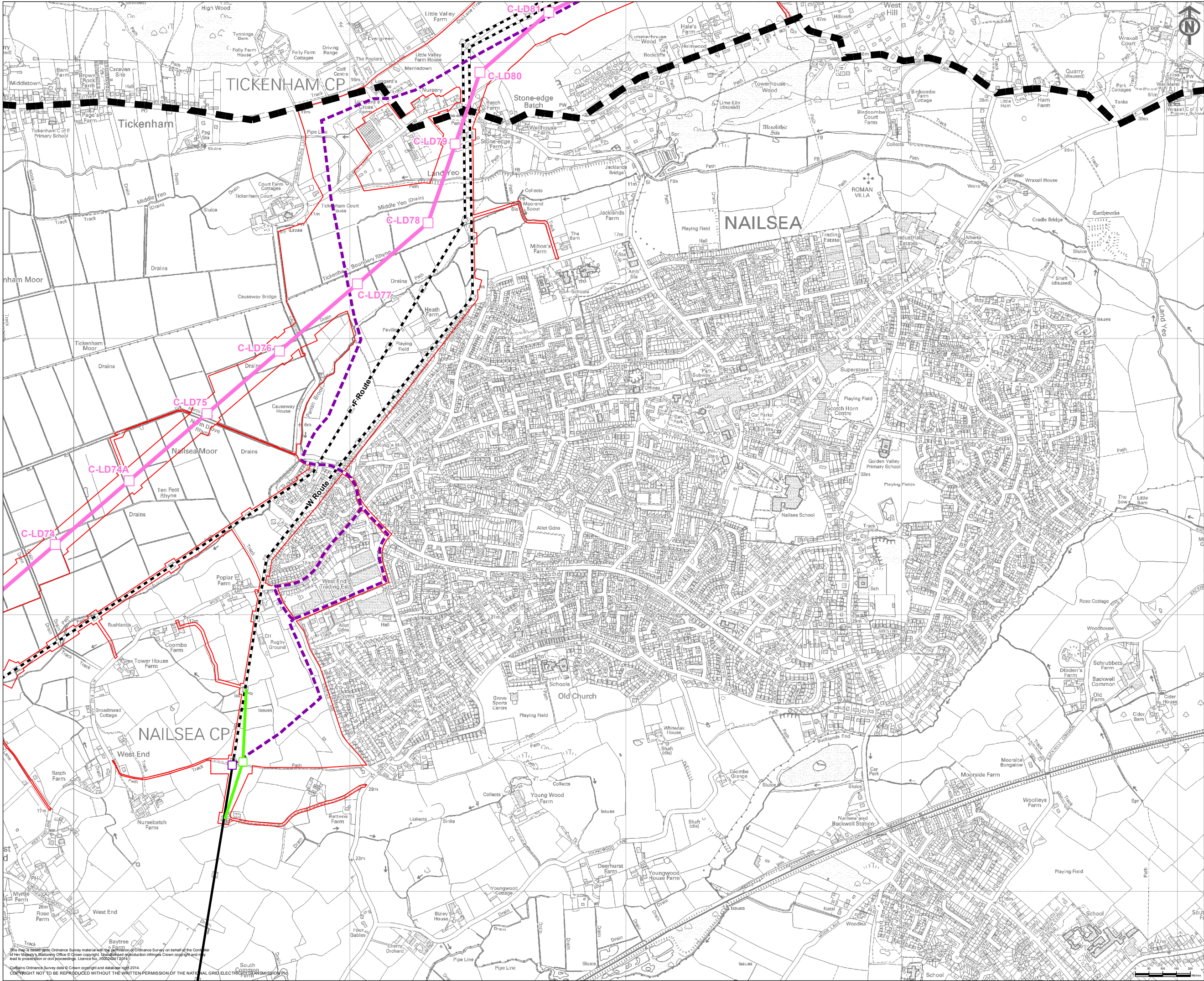
THE PROPOSED DEVELOPMENT (PEIR)
INSET 13

nationalgrid			
National Grid plc, Warwick Technology Park, Galsows Hill, Warwick, CV34 6DA			
NG INVESTMENT No.	APPLICATION No.		GIS
20897	EN020001		A3
FIGURE No.	DRAWING No.	SCALE	
2.14.13	G1979.2428.13B	1:12,500	
SHEET 13 of 20			ISSUE
			A

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Key

Proposed Development

- Order Limits (At PEIR stage)

Proposed Infrastructure

- Proposed Route for 400kV Overhead Line
- Proposed Route for Temporary 132kV Overhead Line
- Proposed Route for 132kV Underground Cable
- Proposed 400kV Pylon Position
- Proposed 132kV Pylon Position
- Proposed Temporary Pylon Position

Existing Infrastructure

- Existing Western Power Distribution 132kV Overhead Line
- Existing Western Power Distribution 132kV Overhead Line for Removal

Section Boundary

- Section Boundary

Notes

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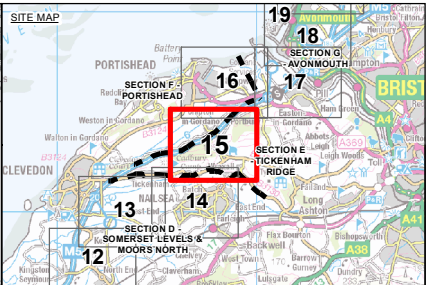
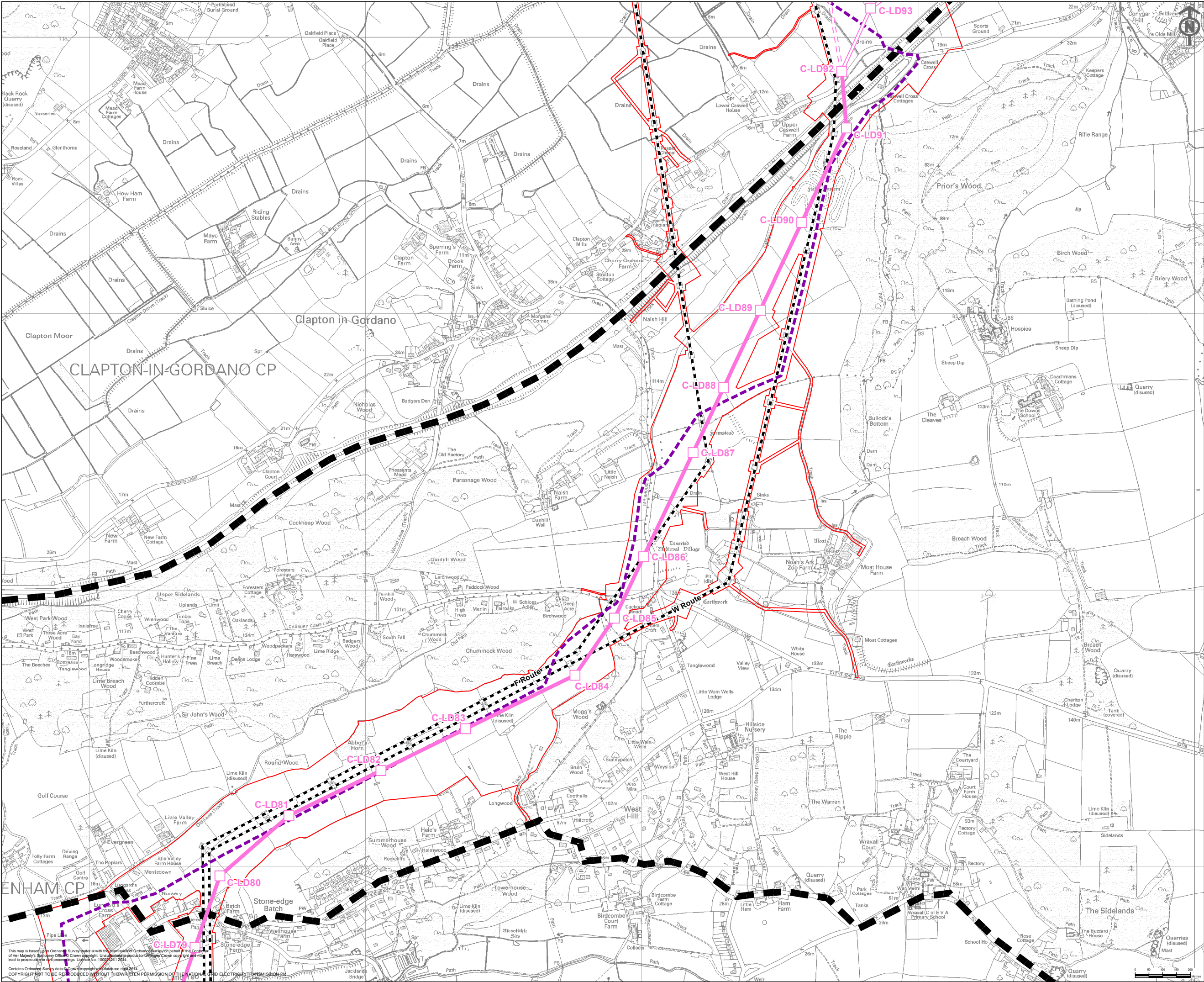
A	30/04/14	DCO SUBMISSION	CB	BC	BC
ISSUE	DATE	COMMENTS	DRAW	CHK'D	APP'D

Title

NATIONAL GRID (HINKLEY POINT C CONNECTION PROJECT)
ENVIRONMENTAL STATEMENT
VOLUME 5.2.3

THE PROPOSED DEVELOPMENT (PEIR)
INSET 14

			
National Grid plc, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA			
NG INVESTMENT No.		APPLICATION No.	GIS A3
20897		EN020001	
FIGURE No.		DRAWING No.	SCALE
2.14.14		G1979.2428.14B	1:12,500
SHEET 14 of 20			ISSUE A



Key

Proposed Development

- Order Limits (At PEIR stage)

Proposed Infrastructure

- Proposed Route for 400kV Overhead Line
- Proposed Route Option A for 400kV Overhead Line
- Alternative Route Option B for 400kV Overhead Line
- Proposed Route for 132kV Underground Cable
- Proposed 400kV Pylon Position

Existing Infrastructure

- Existing Western Power Distribution 132kV Overhead Line
- Existing Western Power Distribution 132kV Overhead Line for Removal

Section Boundary

- Section Boundary

Notes

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ISSUE	DATE	COMMENTS	DRAW	CHK'D	APP'D

Title

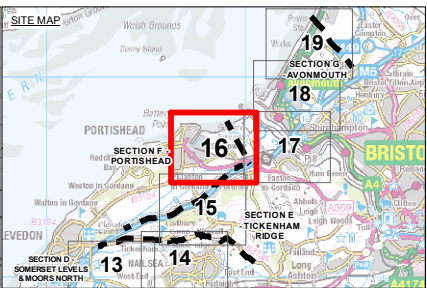
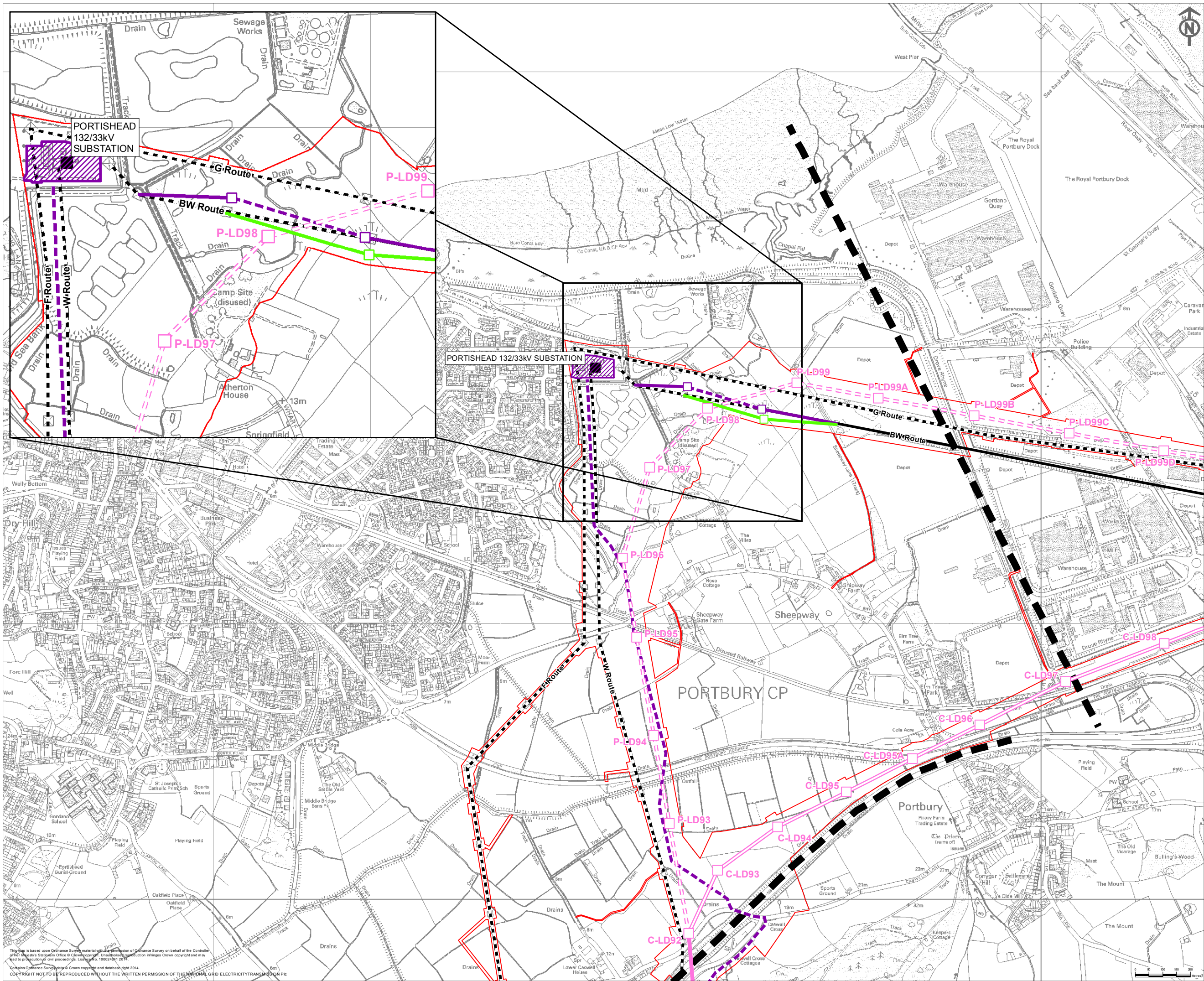
NATIONAL GRID (HINKLEY POINT C CONNECTION PROJECT)
ENVIRONMENTAL STATEMENT
VOLUME 5.2.3

THE PROPOSED DEVELOPMENT (PEIR)
INSET 15

nationalgrid

National Grid plc, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA

NG INVESTMENT No.	APPLICATION No.	GIS A3
20897	EN020001	
FIGURE No.	DRAWING No.	SCALE
2.14.15	G1979.2428.15B	1:12,500
SHEET 15 of 20		ISSUE
		A



- Key**
- Proposed Development**
- Order Limits (At PEIR stage)
- Proposed Infrastructure**
- Proposed Route for 400kV Overhead Line
 - Proposed Route Option A for 400kV Overhead Line
 - Alternative Route Option B for 400kV Overhead Line
 - Proposed Route for 132kV Overhead Line
 - Proposed Route for Temporary 132kV Overhead Line
 - Proposed Route for 132kV Underground Cable
 - Proposed 400kV Pylon Position
 - Proposed 132kV Pylon Position
 - Proposed Temporary Pylon Position
 - Proposed Portishead 132kV Substation Work Area
- Existing Infrastructure**
- Existing Western Power Distribution 132kV Overhead Line
 - Existing Western Power Distribution 132kV Overhead Line for Removal
 - Existing Substation
- Section Boundary**
- Section Boundary

Notes

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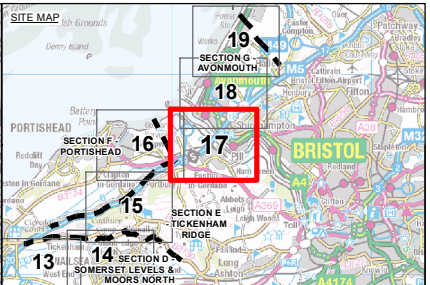
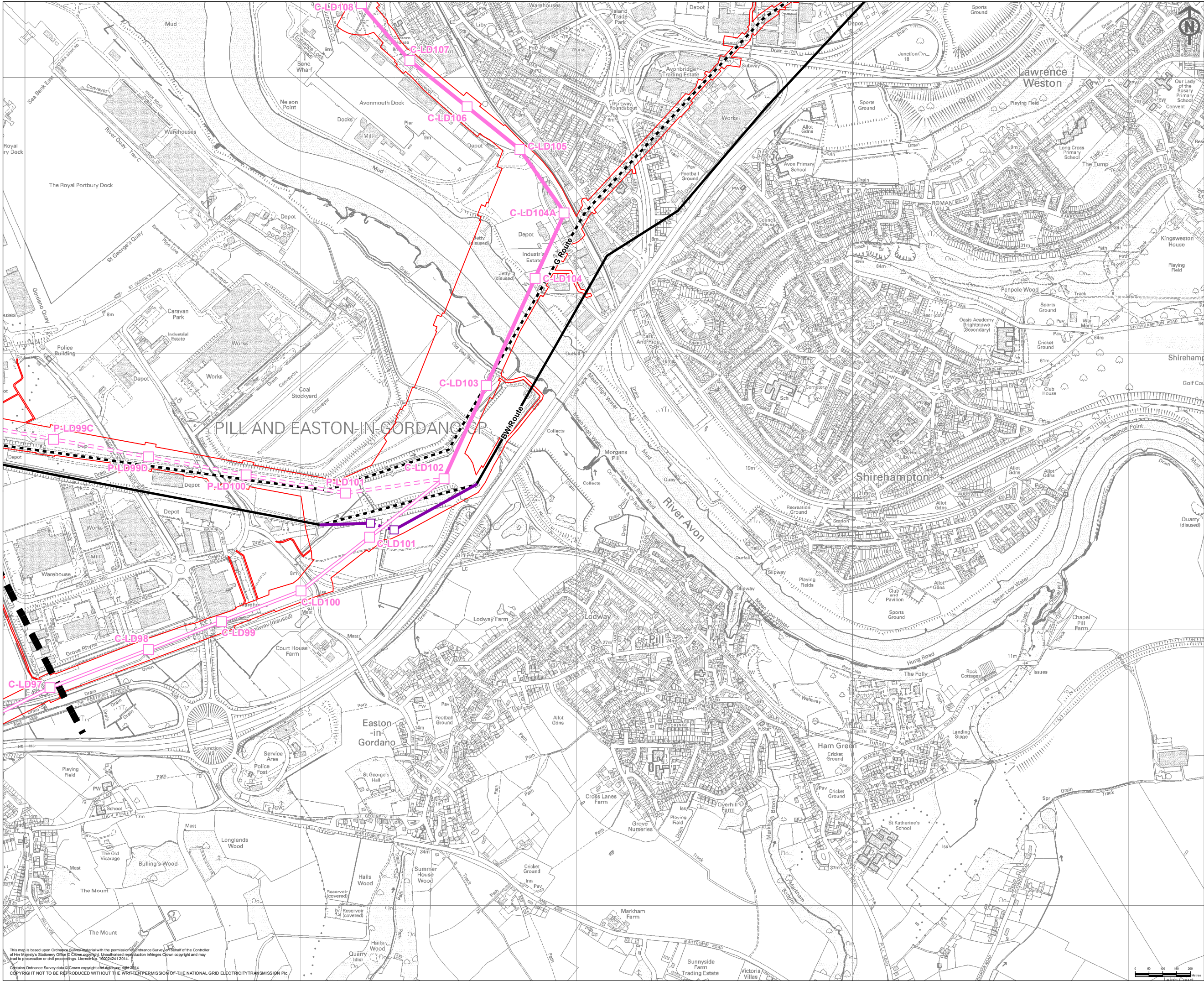
A	30/04/14	DCO SUBMISSION	CB	BC	BC
ISSUE	DATE	COMMENTS	DRAW	CHKD	APPD

Title

NATIONAL GRID (HINKLEY POINT C CONNECTION PROJECT)
ENVIRONMENTAL STATEMENT
VOLUME 5.2.3

THE PROPOSED DEVELOPMENT
(PEIR)
INSET 16

nationalgrid		National Grid plc, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA	
NG INVESTMENT No.	APPLICATION No.	GIS	
20897	EN020001	A3	
FIGURE No.	DRAWING No.	SCALE	
2.14.16	G1979.2428.16B	1:12,500	
SHEET 16 of 20		ISSUE	
		A	



- Key**
- Proposed Development**
- Order Limits (At PEIR stage)
- Proposed Infrastructure**
- Proposed Route for 400kV Overhead Line
 - Proposed Route Option A for 400kV Overhead Line
 - Alternative Route Option B for 400kV Overhead Line
 - Proposed Route for 132kV Overhead Line
 - Proposed Route for 132kV Underground Cable
 - Proposed 400kV Pylon Position
 - Proposed 132kV Pylon Position
- Existing Infrastructure**
- Existing Western Power Distribution 132kV Overhead Line
 - Existing Western Power Distribution 132kV Overhead Line for Removal
- Section Boundary**
- Section Boundary

Notes

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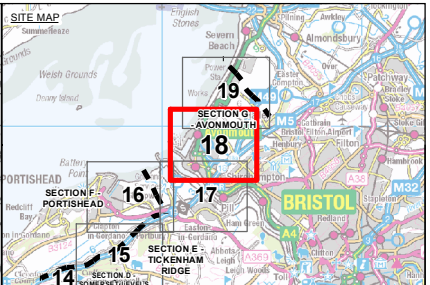
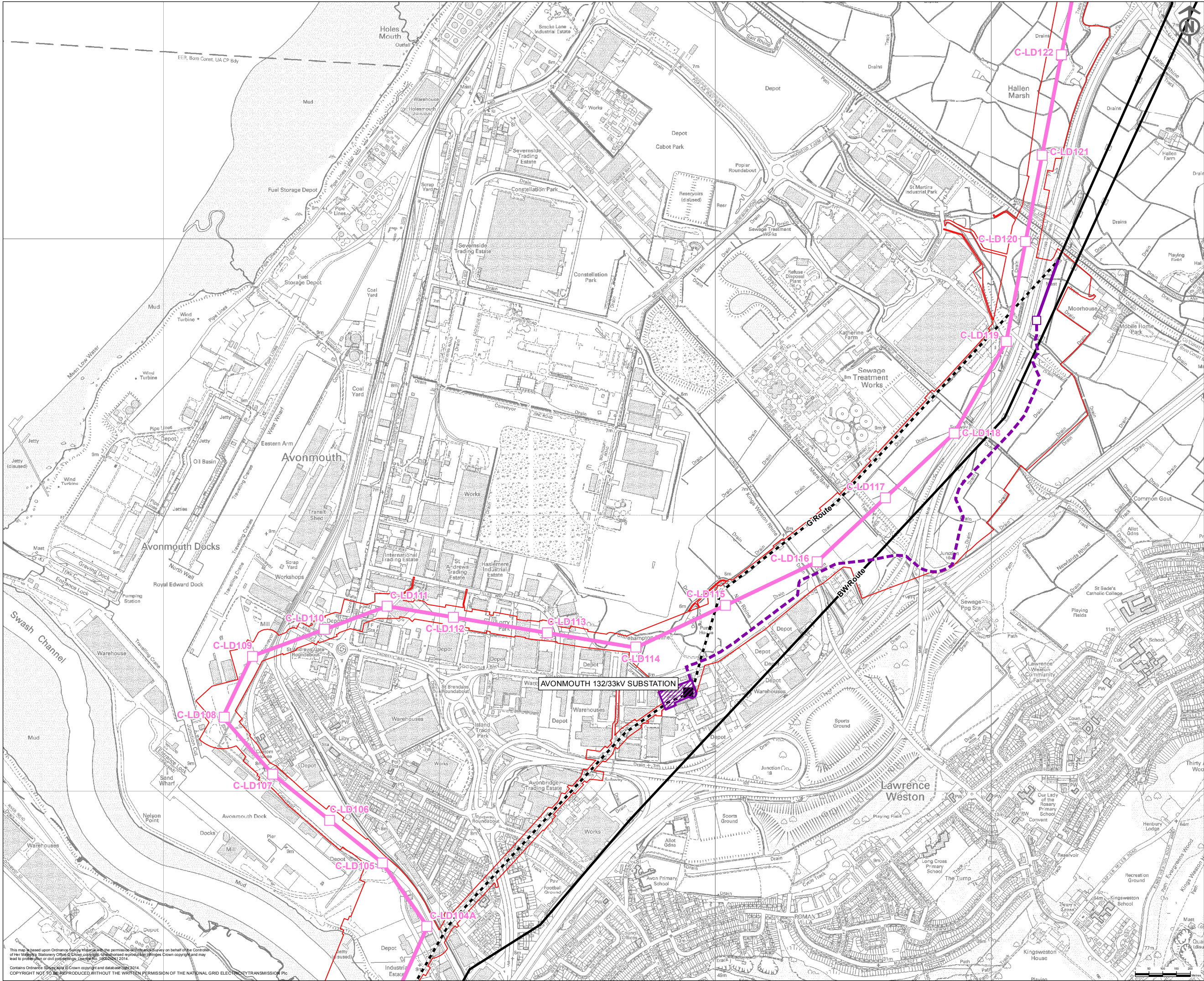
A	30/04/14	DCO SUBMISSION	CB	BC	BC
ISSUE	DATE	COMMENTS	DRAW	CHK'D	APP'D

Title

NATIONAL GRID (HINKLEY POINT C CONNECTION PROJECT)
ENVIRONMENTAL STATEMENT
VOLUME 5.2.3

THE PROPOSED DEVELOPMENT
(PEIR)
INSET 17

nationalgrid		National Grid plc, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA	
NG INVESTMENT No.	APPLICATION No.	GIS	
20897	EN020001	A3	
FIGURE No.	DRAWING No.	SCALE	
2.14.17	G1979.2428.17B	1:12,500	
SHEET 17 of 20		ISSUE	
		A	



- Key**
- Proposed Development**
- Order Limits (At PEIR stage)
- Proposed Infrastructure**
- Proposed Route for 400kV Overhead Line
 - Proposed Route for 132kV Overhead Line
 - Proposed Route for 132kV Underground Cable
 - Proposed 400kV Pylon Position
 - Proposed 132kV Pylon Position
 - Proposed Avonmouth 132kV Substation Work Area
- Existing Infrastructure**
- Existing Western Power Distribution 132kV Overhead Line
 - Existing Western Power Distribution 132kV Overhead Line for Removal
 - Existing Substation

Notes

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ISSUE	DATE	COMMENTS	DRAW	CHK'D	APP'D
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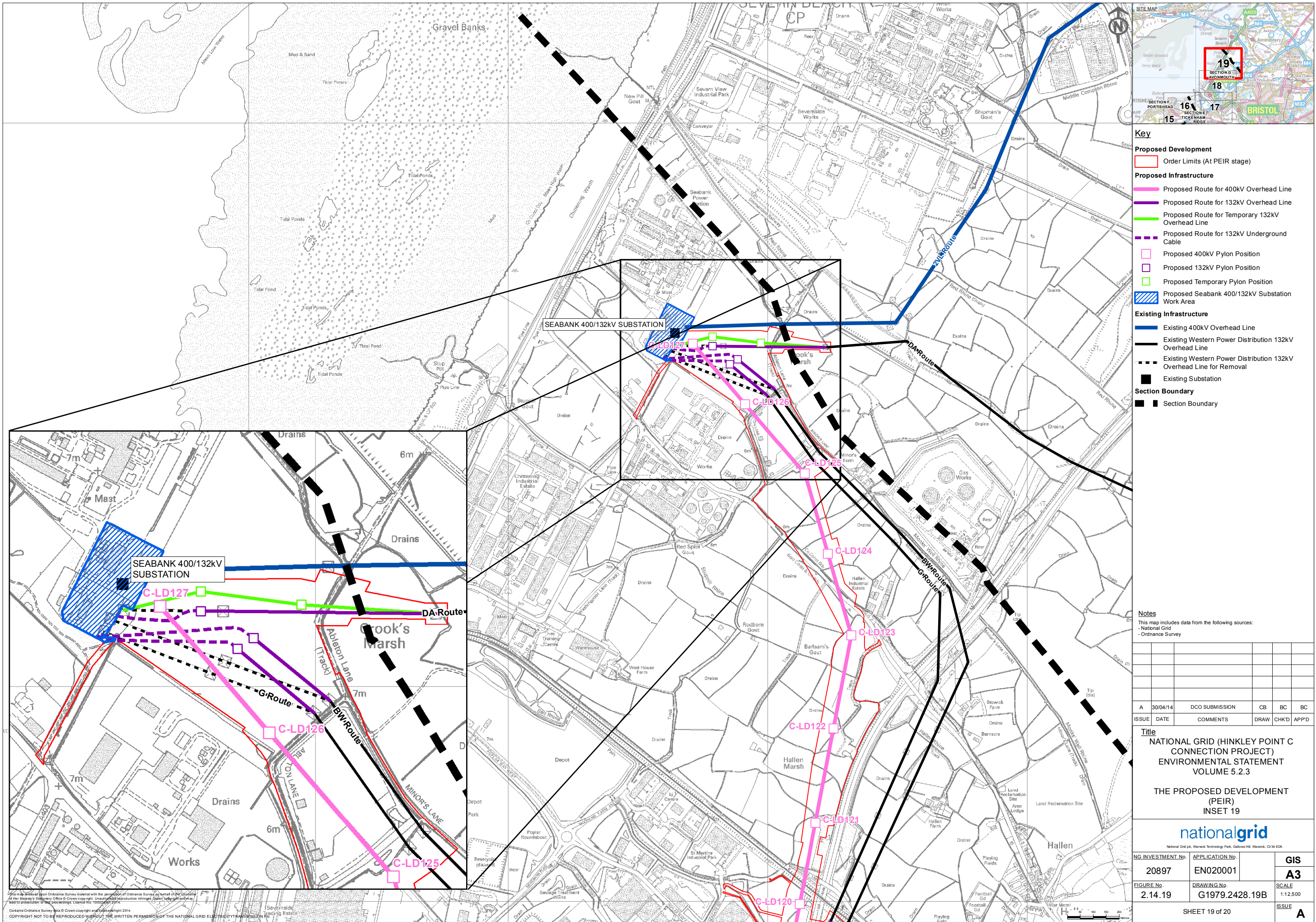
Title

NATIONAL GRID (HINKLEY POINT C CONNECTION PROJECT)
ENVIRONMENTAL STATEMENT
VOLUME 5.2.3

THE PROPOSED DEVELOPMENT (PEIR)
INSET 18

nationalgrid		National Grid plc, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA	
NG INVESTMENT No.	APPLICATION No.	GIS	
20897	EN020001	A3	
FIGURE No.	DRAWING No.	SCALE	
2.14.18	G1979.2428.18B	1:12,500	
SHEET 18 of 20			ISSUE
			A

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Key

Proposed Development

Order Limits (At PEIR stage)

Proposed Infrastructure

- Proposed Route for 400kV Overhead Line
- Proposed Route for 132kV Overhead Line
- Proposed Route for Temporary 132kV Overhead Line
- Proposed Route for 132kV Underground Cable
- Proposed 400kV Pylon Position
- Proposed 132kV Pylon Position
- Proposed Temporary Pylon Position
- Proposed Seabank 400/132kV Substation Work Area

Existing Infrastructure

- Existing 400kV Overhead Line
- Existing Western Power Distribution 132kV Overhead Line
- Existing Western Power Distribution 132kV Overhead Line for Removal
- Existing Substation

Section Boundary

- Section Boundary

Notes

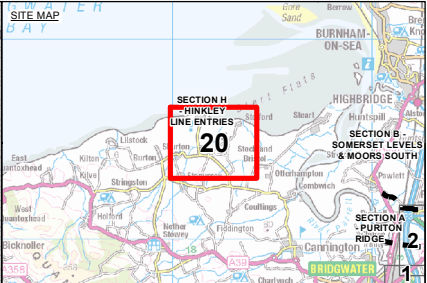
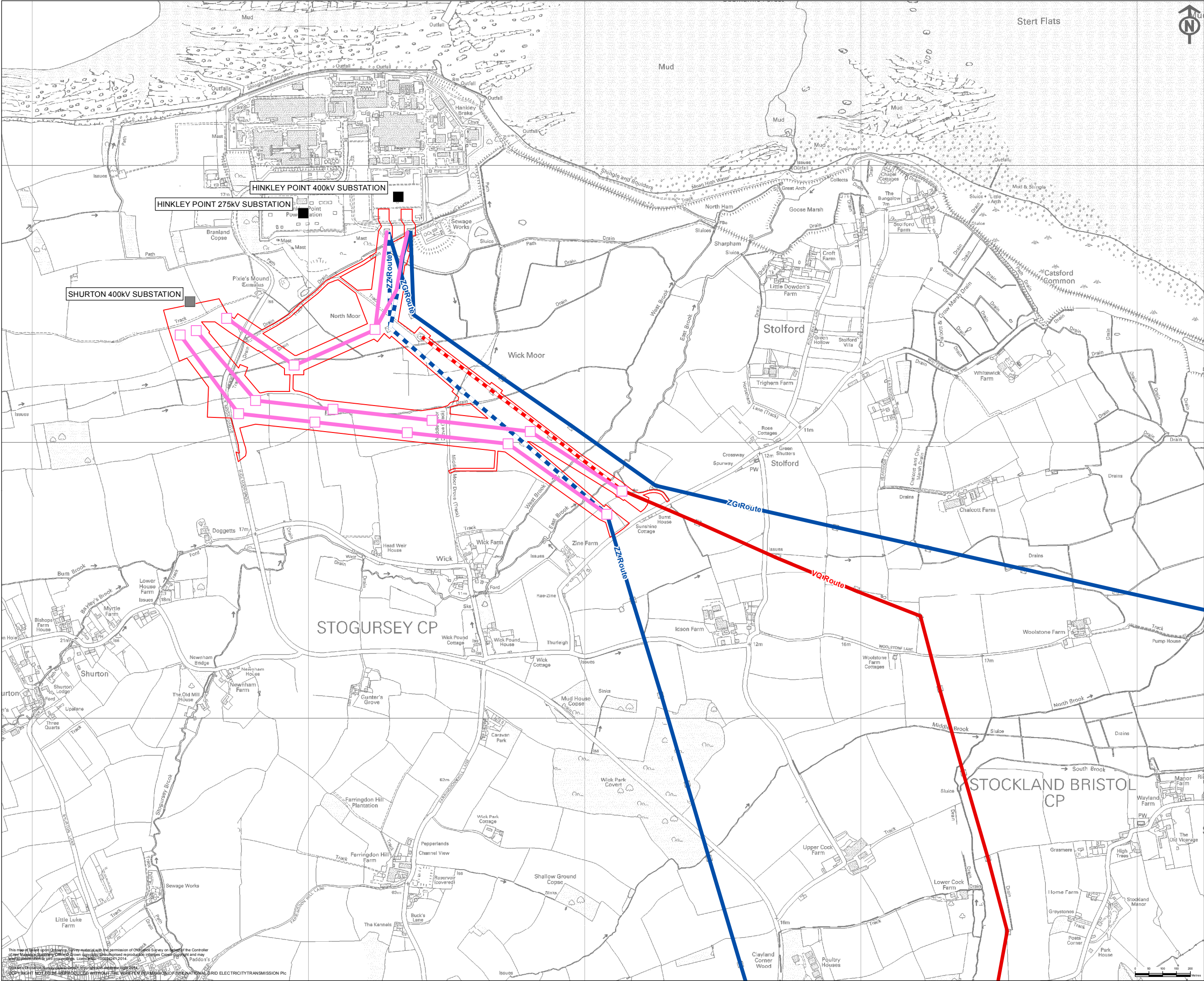
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ISSUE	DATE	COMMENTS	DRAW	CHKD	APPD

Title
NATIONAL GRID (HINKLEY POINT C CONNECTION PROJECT)
ENVIRONMENTAL STATEMENT
VOLUME 5.2.3

THE PROPOSED DEVELOPMENT (PEIR)
INSET 19

nationalgrid			
National Grid plc, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA			
NG INVESTMENT No.	APPLICATION No.		GIS
20897	EN020001		A3
FIGURE No.	DRAWING No.	SCALE	
2.14.19	G1979.2428.19B	1:12,500	
SHEET 19 of 20			ISSUE
			A



Key

Proposed Development

- Order Limits (At PEIR stage)

Proposed Infrastructure

- Proposed Route for 400kV Overhead Line
- Proposed 400kV Pylon Position

Existing Infrastructure

- Existing 400kV Overhead Line
- Existing 275kV Overhead Line
- Existing 400kV Overhead line to for Removal
- Existing 275kV Overhead line to for Removal
- Existing Substation

Consented Infrastructure

- Shurton 400kV Substation

Notes

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A	30/04/14	DCO SUBMISSION	CB	BC	BC

Title

NATIONAL GRID (HINKLEY POINT C CONNECTION PROJECT)
ENVIRONMENTAL STATEMENT
VOLUME 5.2.3

THE PROPOSED DEVELOPMENT (PEIR)
INSET 20

nationalgrid

National Grid plc, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA

NG INVESTMENT No.	APPLICATION No.	GIS
20897	EN020001	A3

FIGURE No.	DRAWING No.	SCALE
2.14.20	G1979.2428.20B	1:12,500

SHEET 20 of 20

ISSUE

A

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