

AENC-LSTC-ENG-DWG-0003

Norwich to Tilbury

Volume 2: Plans, Drawings and Sections

Document: 2.3 Work Plans - Section A

Final Issue A

August 2025

Planning Inspectorate Reference: EN020027

Infrastructure Planning (Applications: Prescribed Forms and Procedure)
Regulations 2009 Regulation 5(2)(j)

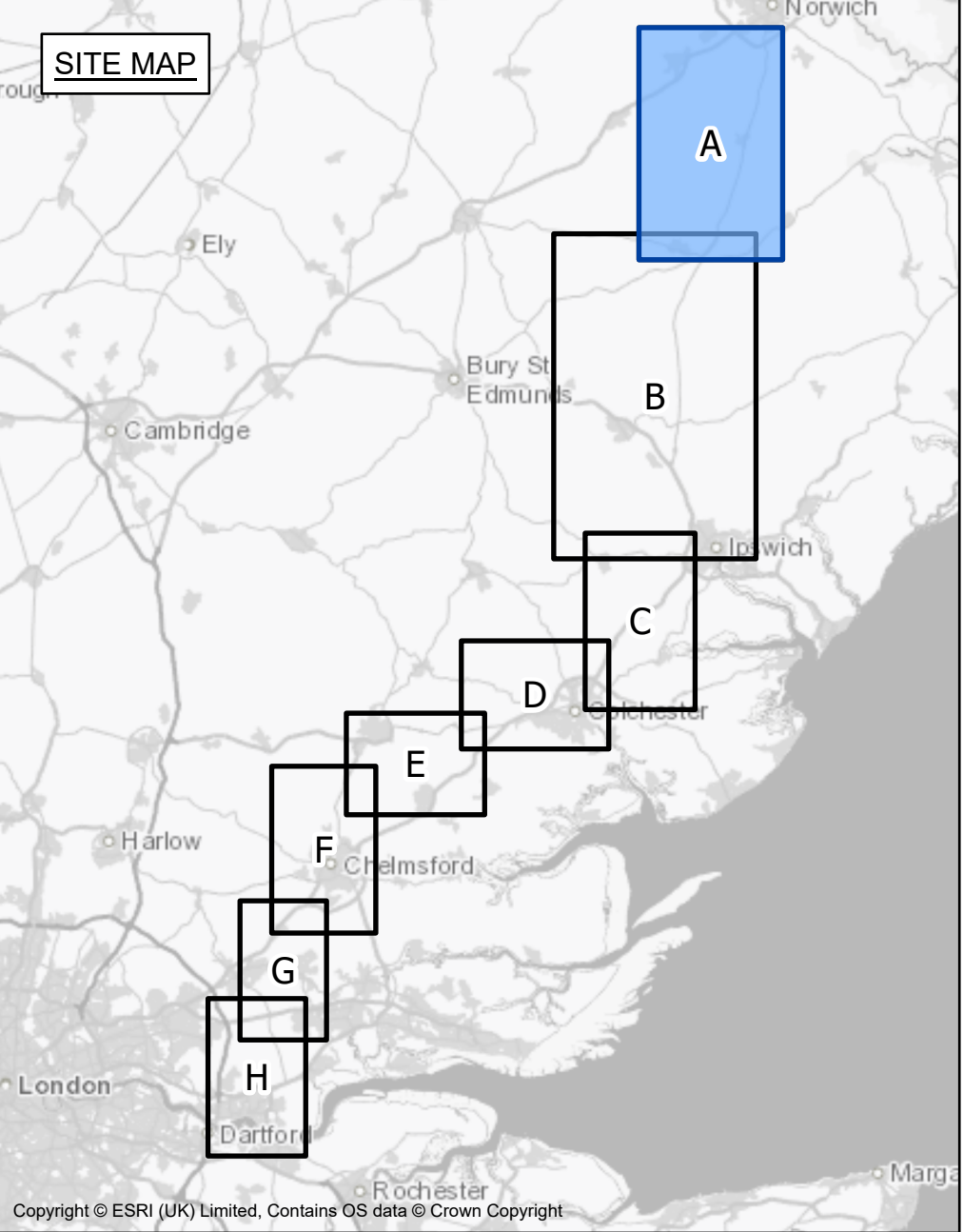
nationalgrid



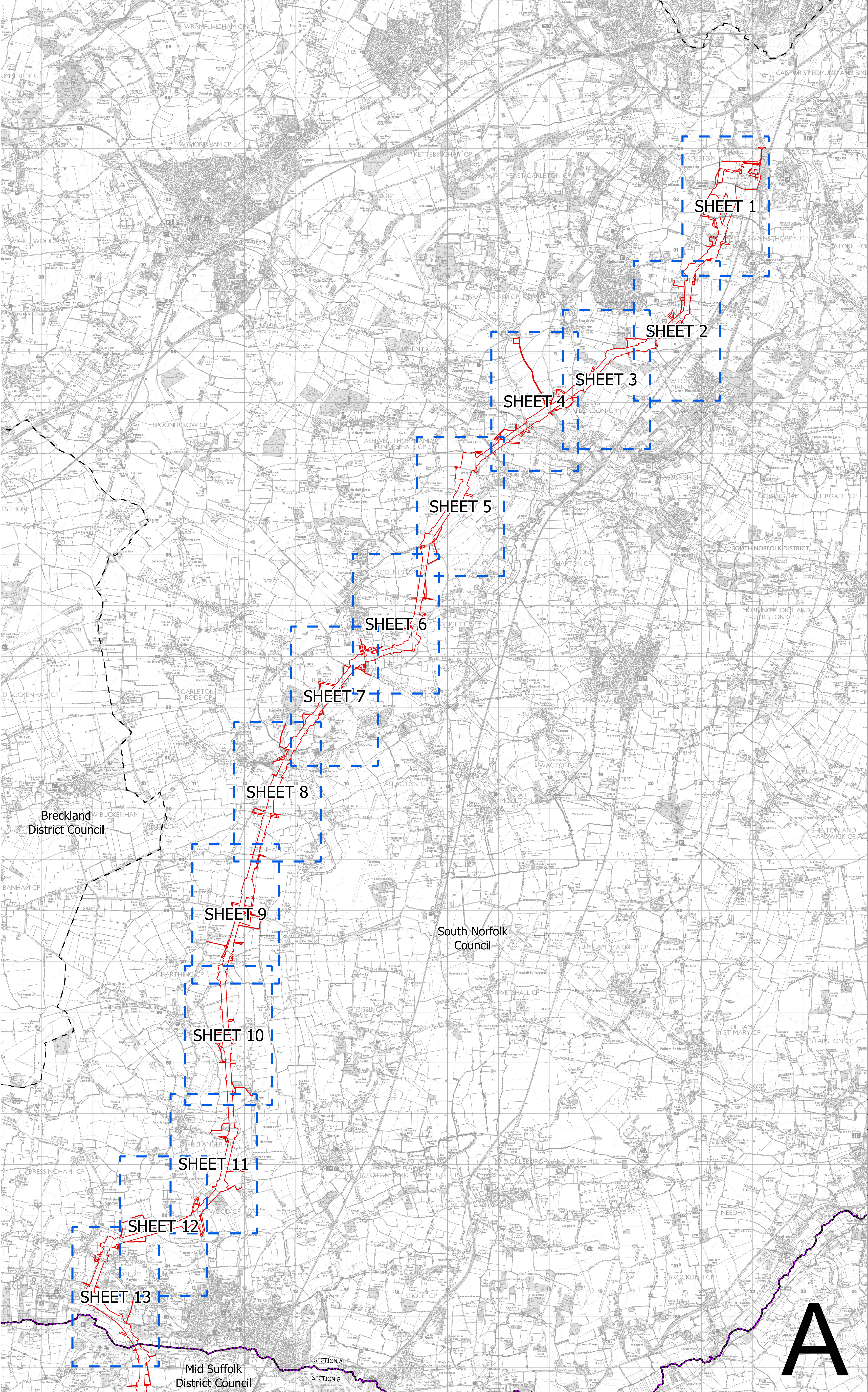
THE NATIONAL GRID (NORWICH TO TILBURY) ORDER
WORKS PLANS KEY PLAN
REGULATION 5(2)(j)
SECTION A (SHEET 1 OF 1,
SOUTH NORFOLK COUNCIL AND MID SUFFOLK DISTRICT COUNCIL)

Application Document 2.3

SITE MAP

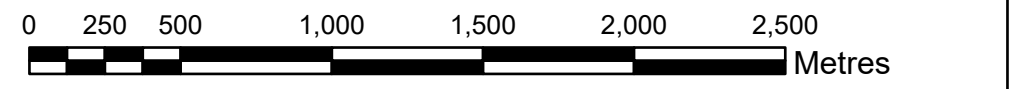


- Legend**
- Local authority boundary
 - Section boundary & local authority boundary
 - Sheet index
 - Order Limits



- Notes**
- These plans show the Order Limits and potential location for the works. Due to the need for future flexibility, National Grid will be applying for Order Limits and Limits of Deviation within its Development Consent Order, within which any final alignments would lie.
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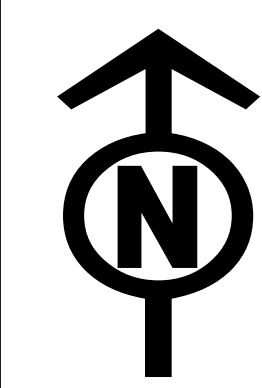
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Sheet X Centroid Coordinate: 615733 Sheet Y Centroid Coordinate: 292211



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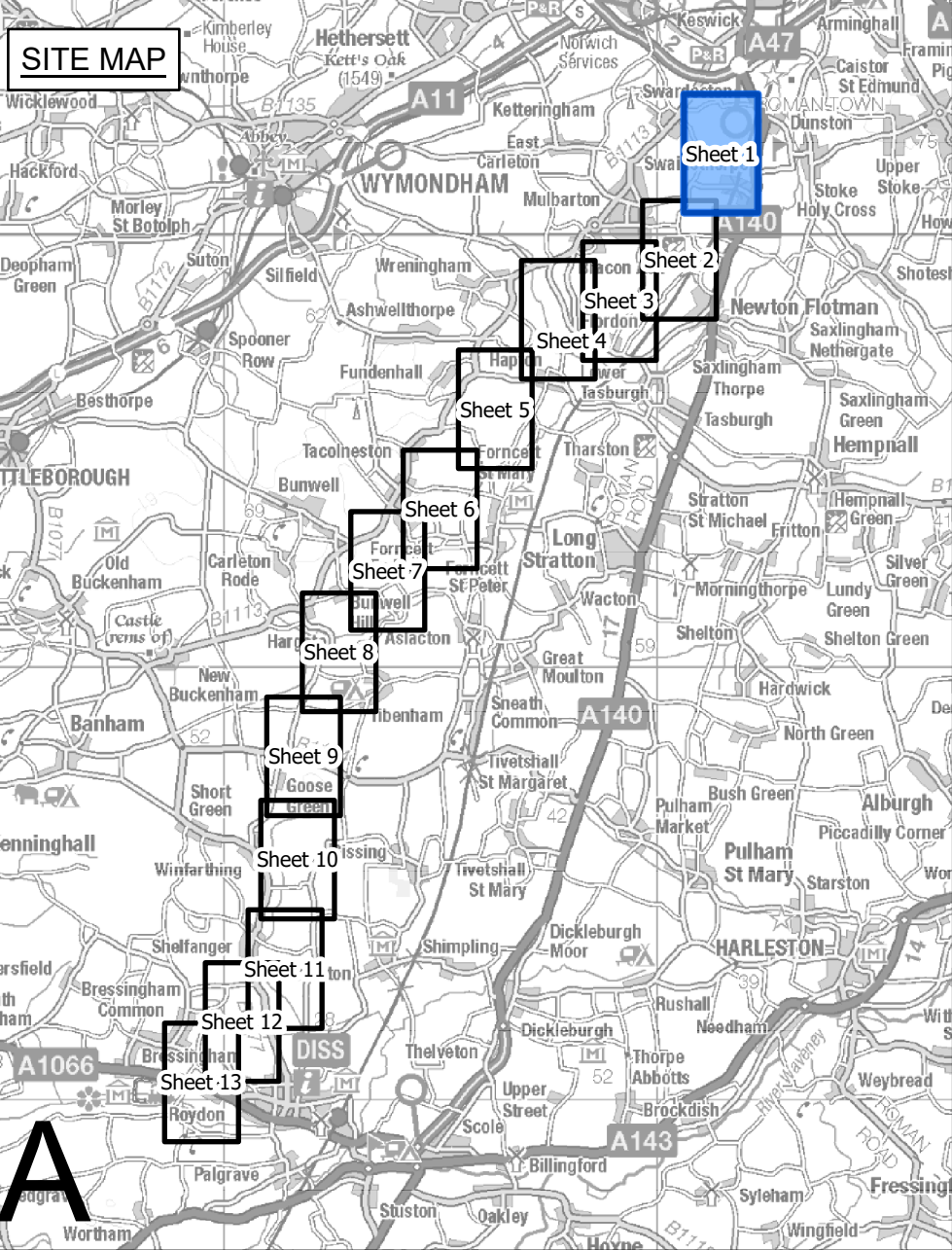
THE NATIONAL GRID
(NORWICH TO TILBURY) ORDER
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REGULATION 5(2)(j)
SECTION A (SHEET 1 OF 1,
SOUTH NORFOLK COUNCIL AND
MID SUFFOLK DISTRICT COUNCIL)

nationalgrid				
PINS Application Number				
EN020027				
National Grid Drawing Reference				
AENC-LSTC-ENG-DWG-0003				
Scale	Sheet Size	Sheet	Issue	
1:25,000	A0	SHEET 1 OF 1	A	



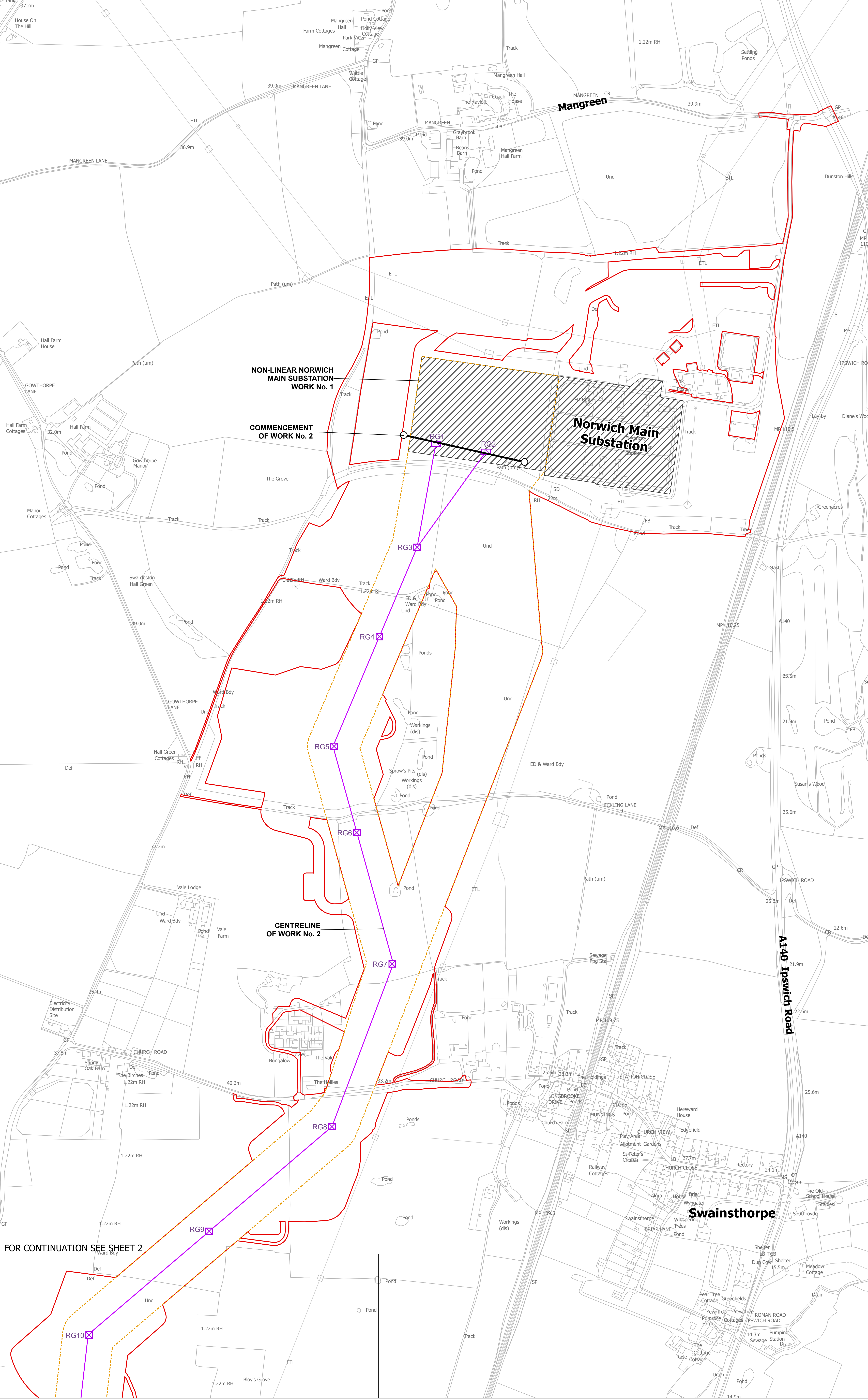
THE NATIONAL GRID (NORWICH TO TILBURY) ORDER
WORKS PLANS
REGULATION 5(2)(j)
SECTION A (SHEET 1 OF 13,
SOUTH NORFOLK COUNCIL)

Application Document 2.3



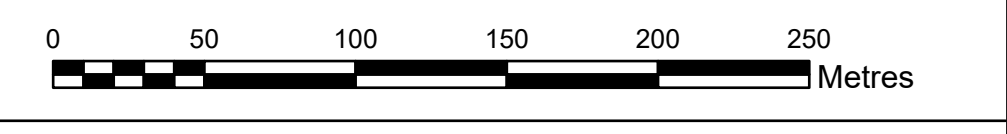
Legend

- Section boundary & local authority boundary
- Sheet index cutlines
- Commencement of work
- Order Limits
- Limits of deviation: overhead lines
- Proposed full line tension gantry (not to scale)
- Proposed lattice pylons (not to scale)
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Coordinate System: British National Grid
Sheet X Centroid Coordinate: 621477 Sheet Y Centroid Coordinate: 301867



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Issue	Date	Remarks	Drawn	Checked	Approved
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Title

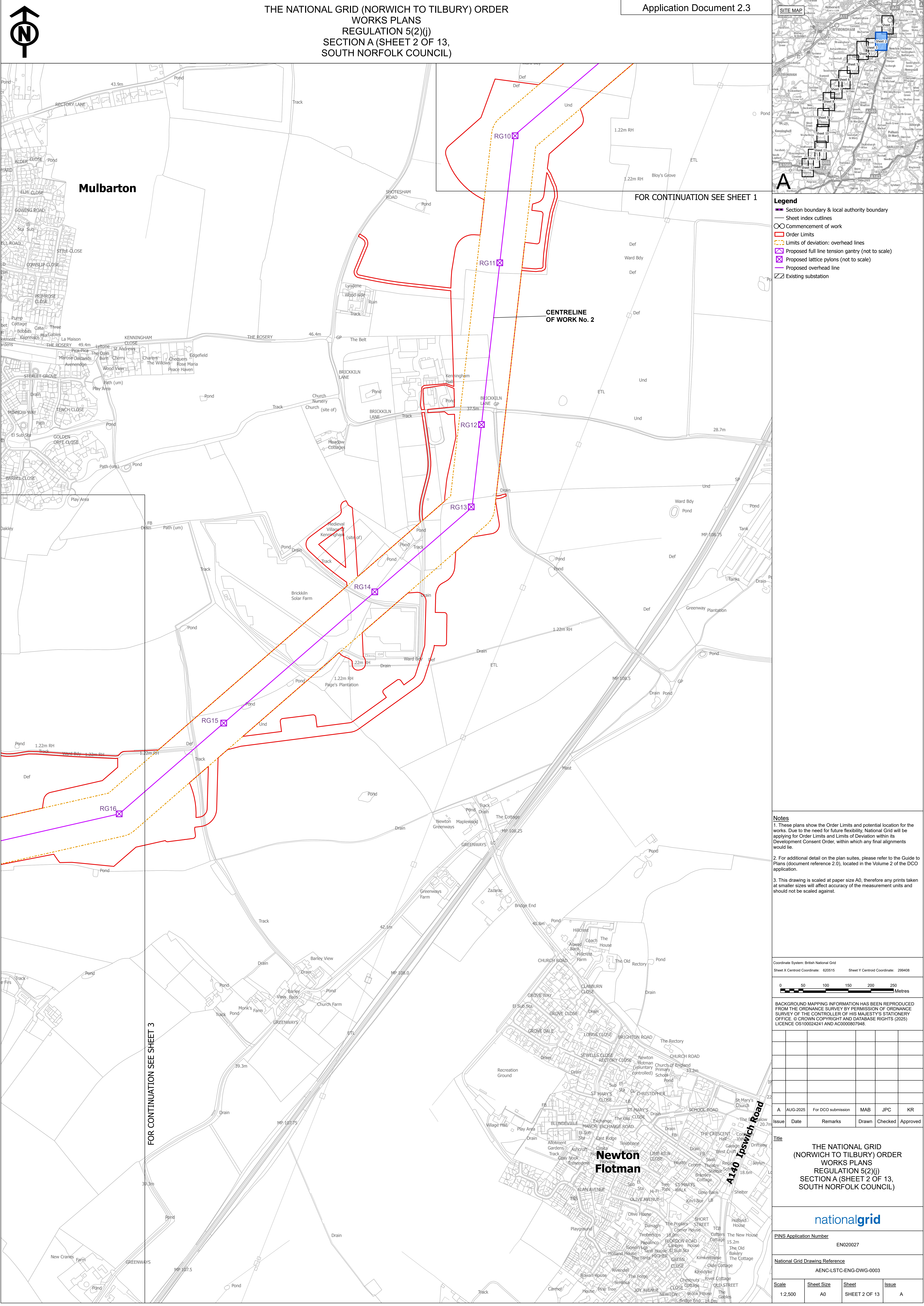
THE NATIONAL GRID
(NORWICH TO TILBURY) ORDER
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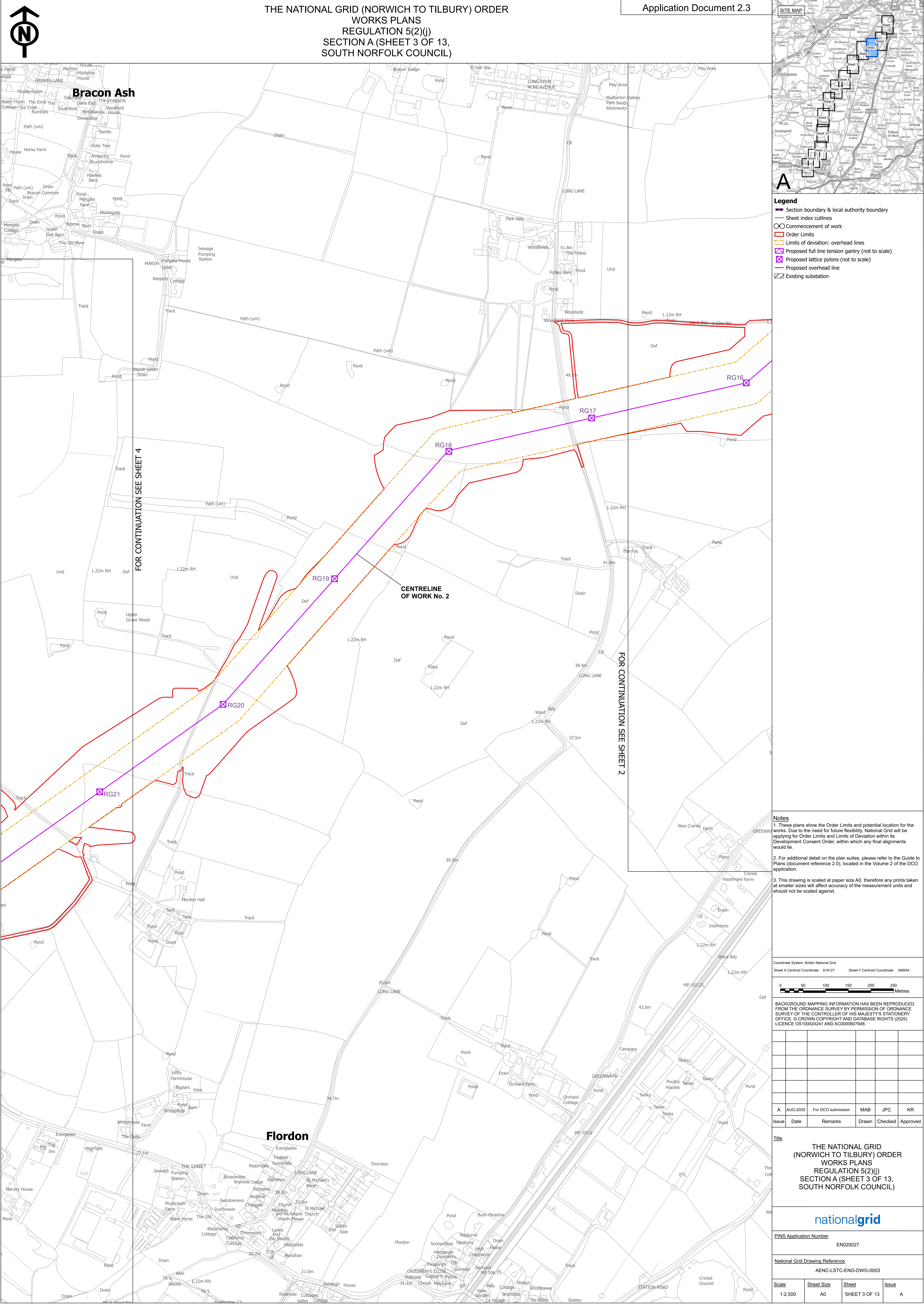
nationalgrid

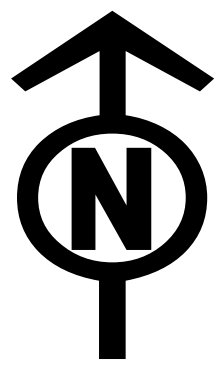
PINS Application Number
EN020027

National Grid Drawing Reference
AENC-LSTC-ENG-DWG-0003

Scale	Sheet Size	Sheet	Issue
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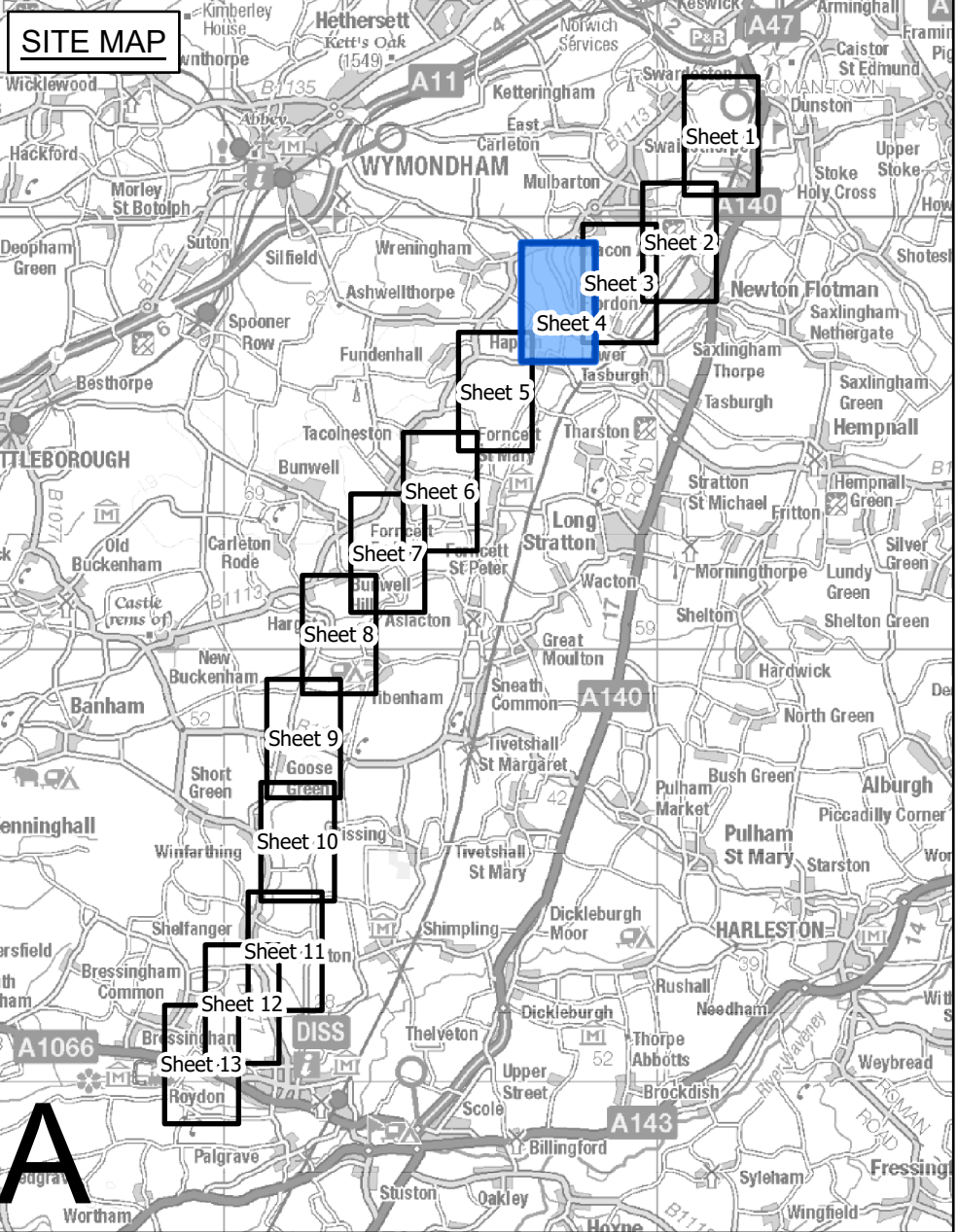






THE NATIONAL GRID (NORWICH TO TILBURY) ORDER
WORKS PLANS
REGULATION 5(2)(j)
SECTION A (SHEET 4 OF 13,
SOUTH NORFOLK COUNCIL)

Application Document 2.3

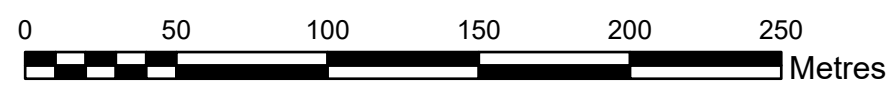


A

- Legend**
- Section boundary & local authority boundary
 - Sheet index cutlines
 - Commencement of work
 - Order Limits
 - Limits of deviation: overhead lines
 - Proposed full line tension gantry (not to scale)
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Coordinate System: British National Grid
Sheet X Centroid Coordinate: 617714 Sheet Y Centroid Coordinate: 298023



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Issue	Date	Remarks	Drawn	Checked	Approved
A	AUG-2025	For DCO submission	MAB	JPC	KR

Title

THE NATIONAL GRID
(NORWICH TO TILBURY) ORDER
WORKS PLANS
REGULATION 5(2)(j)
SECTION A (SHEET 4 OF 13,
SOUTH NORFOLK COUNCIL)

nationalgrid

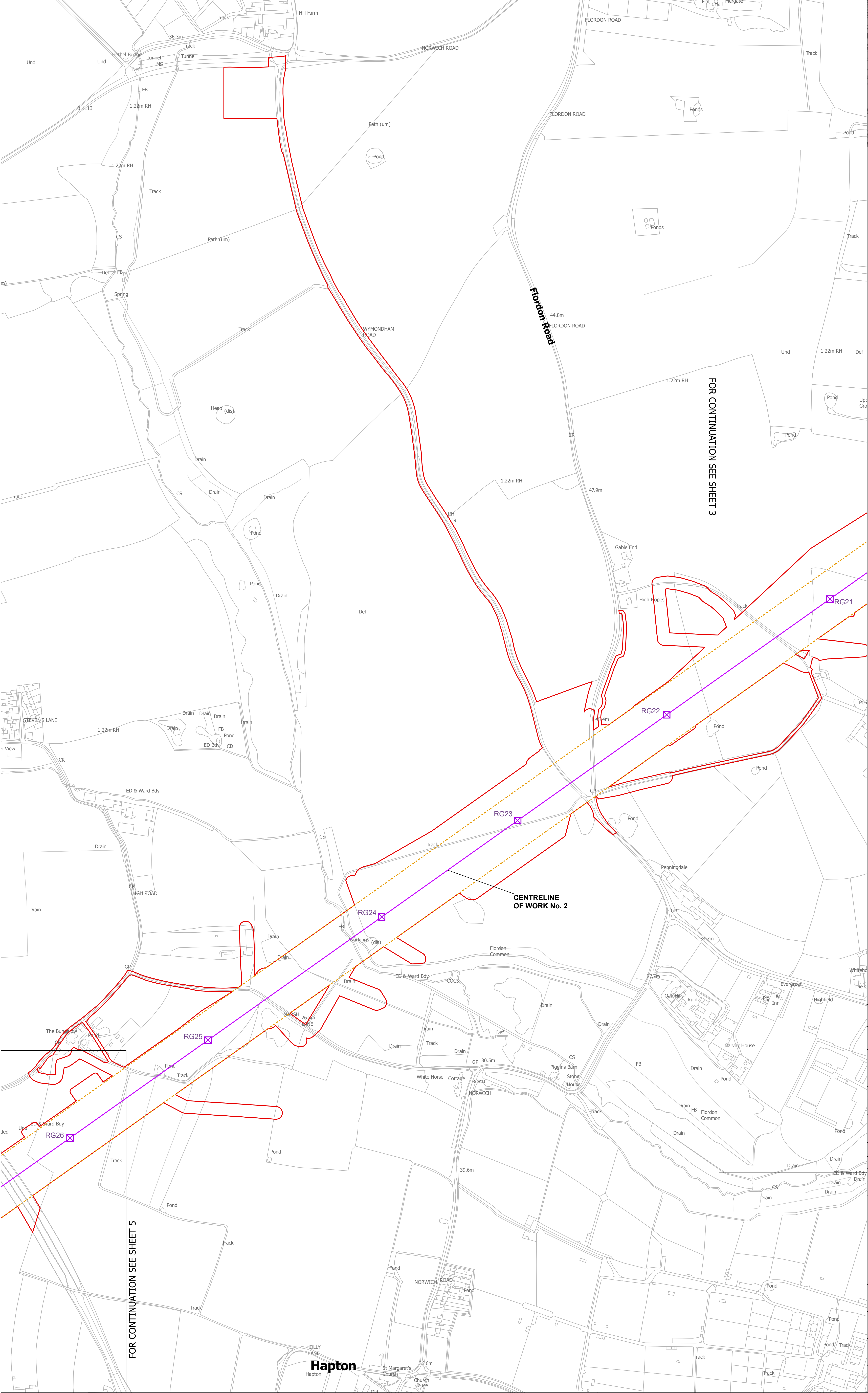
PINS Application Number

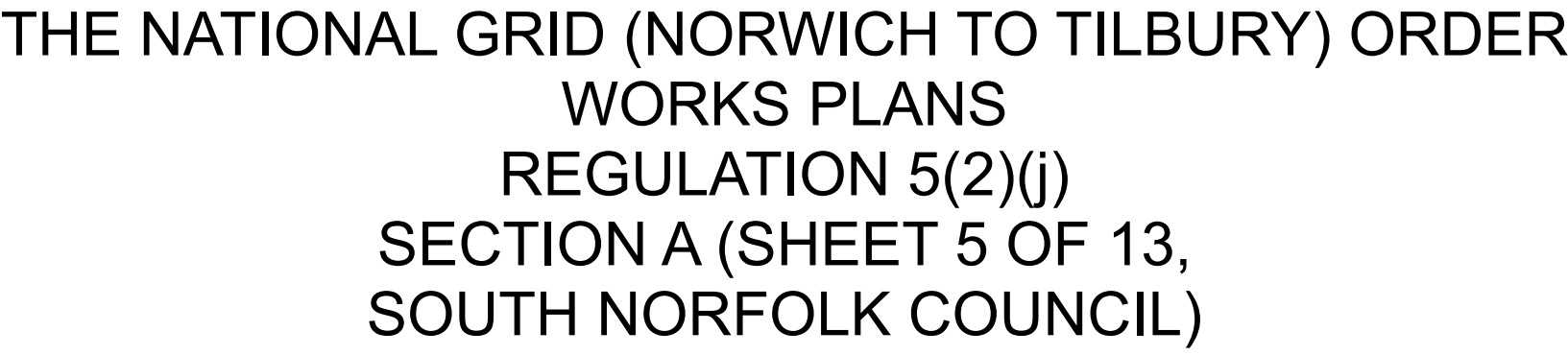
EN020027

National Grid Drawing Reference










AENC-LSTC-ENG-DWG-0003

Scale	Sheet Size	Sheet	Issue
1:2,500	A0	SHEET 4 OF 13	A





Legend

-  Section boundary & local authority boundary
 Sheet index cutlines
 Commencement of work
 Order Limits
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Coordinate System: British National Grid
Sheet X Centroid Coordinate: 616255 Sheet Y Centroid Coordinate: 295955



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THE NATIONAL GRID
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WORKS PLANS
REGULATION 5(2)(j)
SECTION A (SHEET 5 OF 13,
SOUTH NORFOLK COUNCIL)

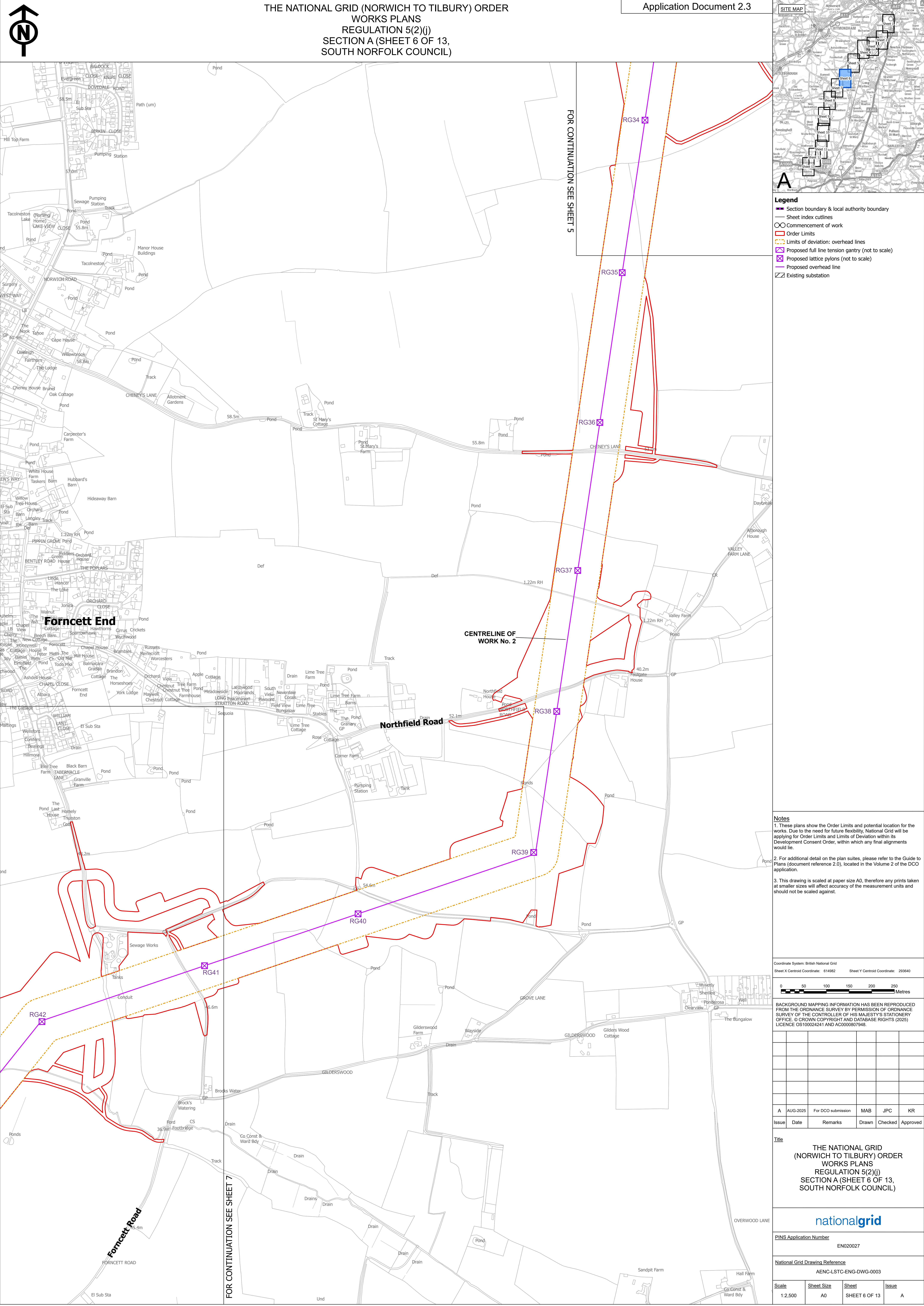
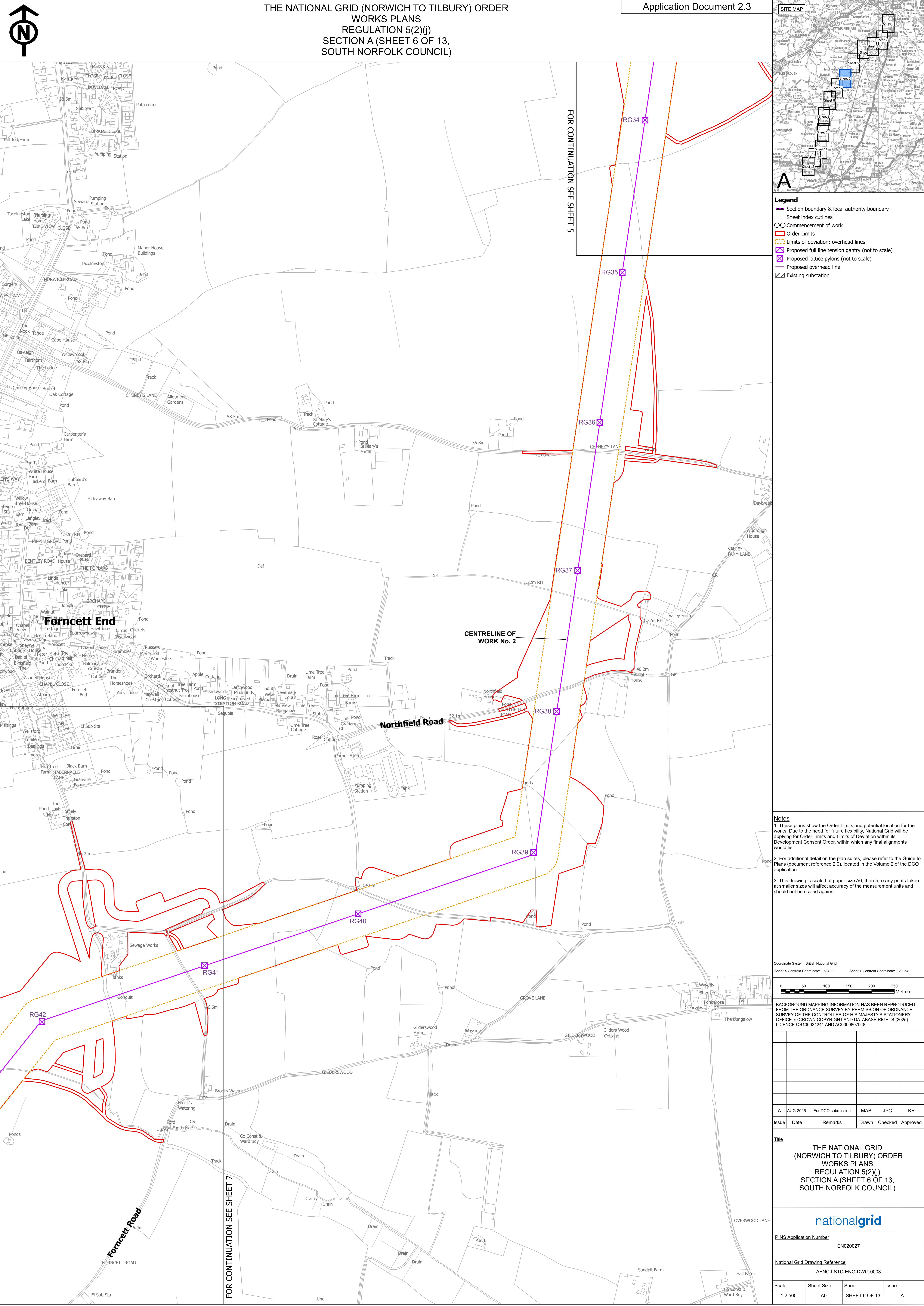
nationalgrid

PINS Application Number

EN020027

National Grid Drawing Reference
AENC-LSTC-ENG-DWG-0003

<u>Scale</u>	<u>Sheet Size</u>	<u>Sheet</u>	<u>Issue</u>
1:2,500	A0	SHEET 5 OF 13	A

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- The National Grid (Norwich to Tilbury) Order
Works Plans Regulation 5(2)(j)
Section A (Sheet 6 of 13,
South Norfolk Council)

Application Document 2.3

SITE MAP

A

Legend
 - Section boundary & local authority boundary
 - Sheet index cutlines
 - O Commencement of work
 - ▭ Order Limits
 - Limits of deviation: overhead lines
 - ⊠ Proposed full line tension gantry (not to scale)
 - ⊞ Proposed lattice pylons (not to scale)
 - Proposed overhead line
 - ◻ Existing substation

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Coordinate System: British National Grid
Sheet X Centroid Coordinate: 614982 Sheet Y Centroid Coordinate: 293640

0 50 100 150 200 250 Metres

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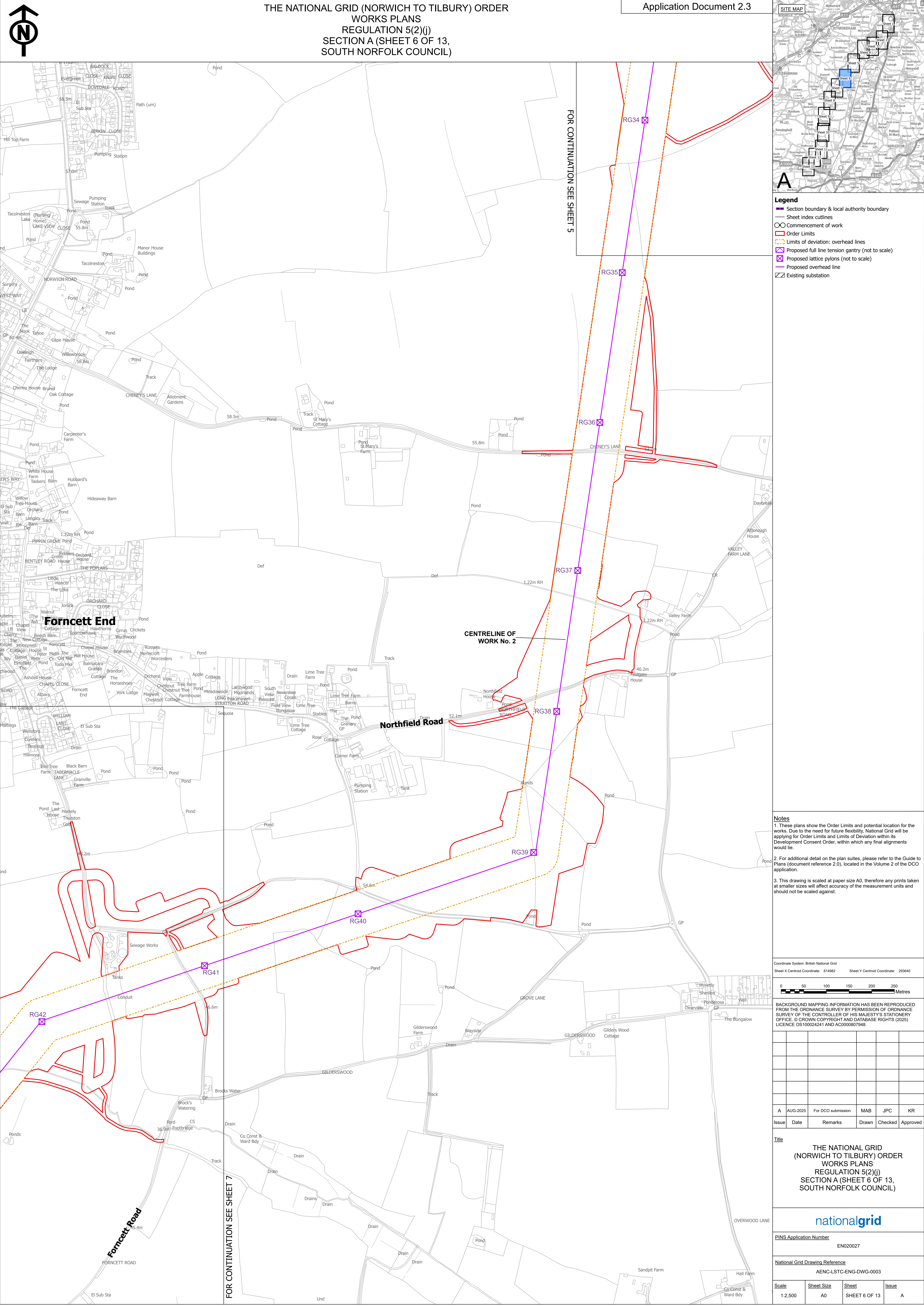
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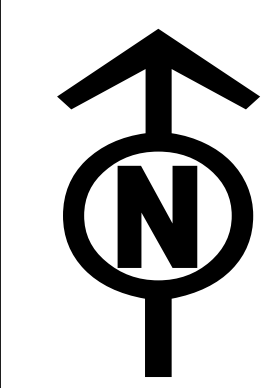
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National Grid Drawing ReferenceAENC-LSTC-ENG-DWG-0003

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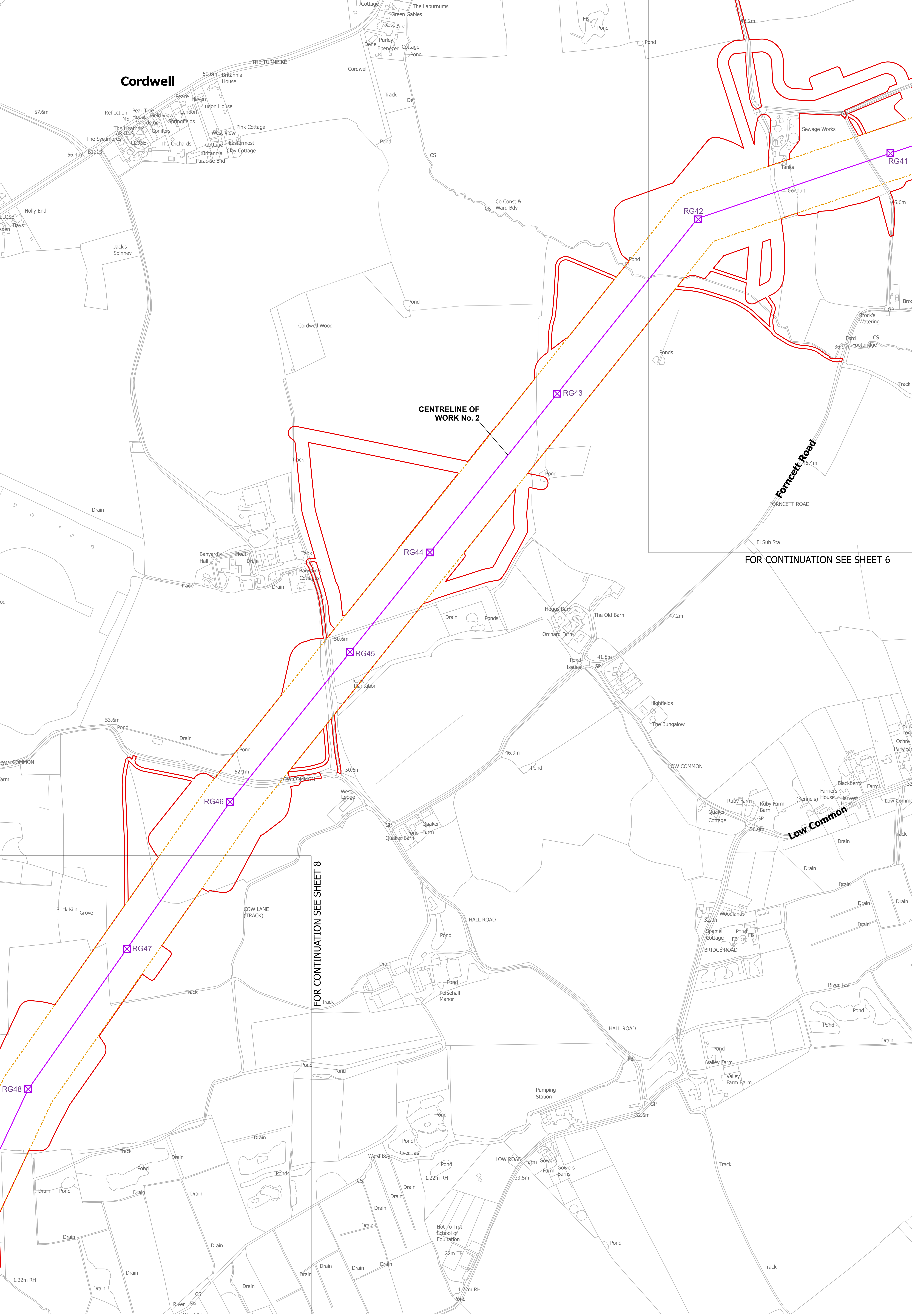
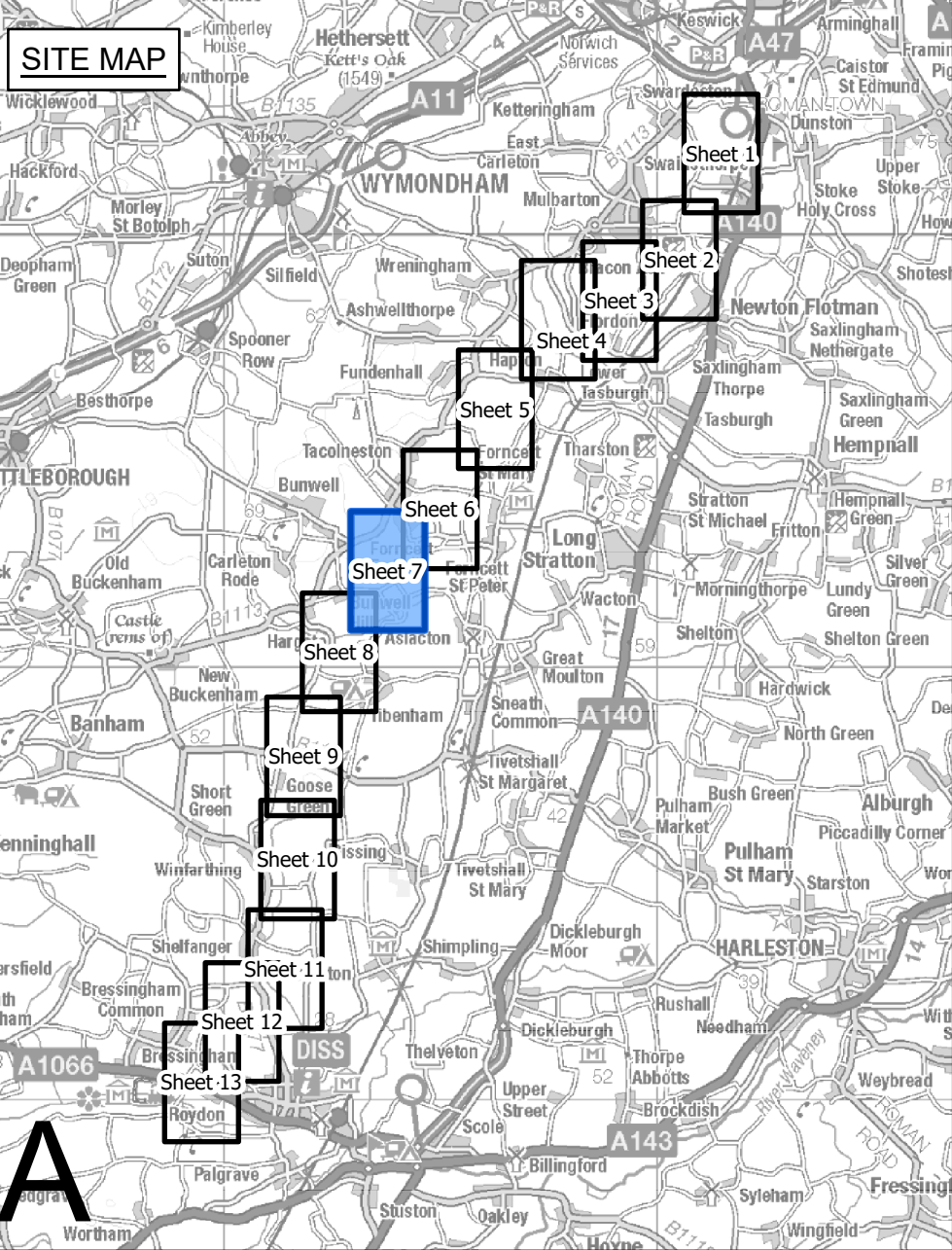
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THE NATIONAL GRID (NORWICH TO TILBURY) ORDER
WORKS PLANS
REGULATION 5(2)(j)
SECTION A (SHEET 7 OF 13,
SOUTH NORFOLK COUNCIL)

Application Document 2.3



Legend

- Section boundary & local authority boundary
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Coordinate System: British National Grid
Sheet X Centroid Coordinate: 613771 Sheet Y Centroid Coordinate: 292219

0 50 100 150 200 250 Metres

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THE NATIONAL GRID
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REGULATION 5(2)(j)
SECTION A (SHEET 7 OF 13,
SOUTH NORFOLK COUNCIL)

nationalgrid

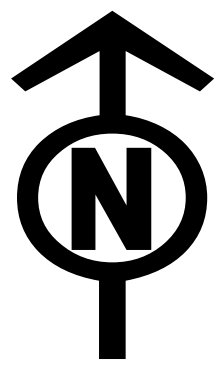
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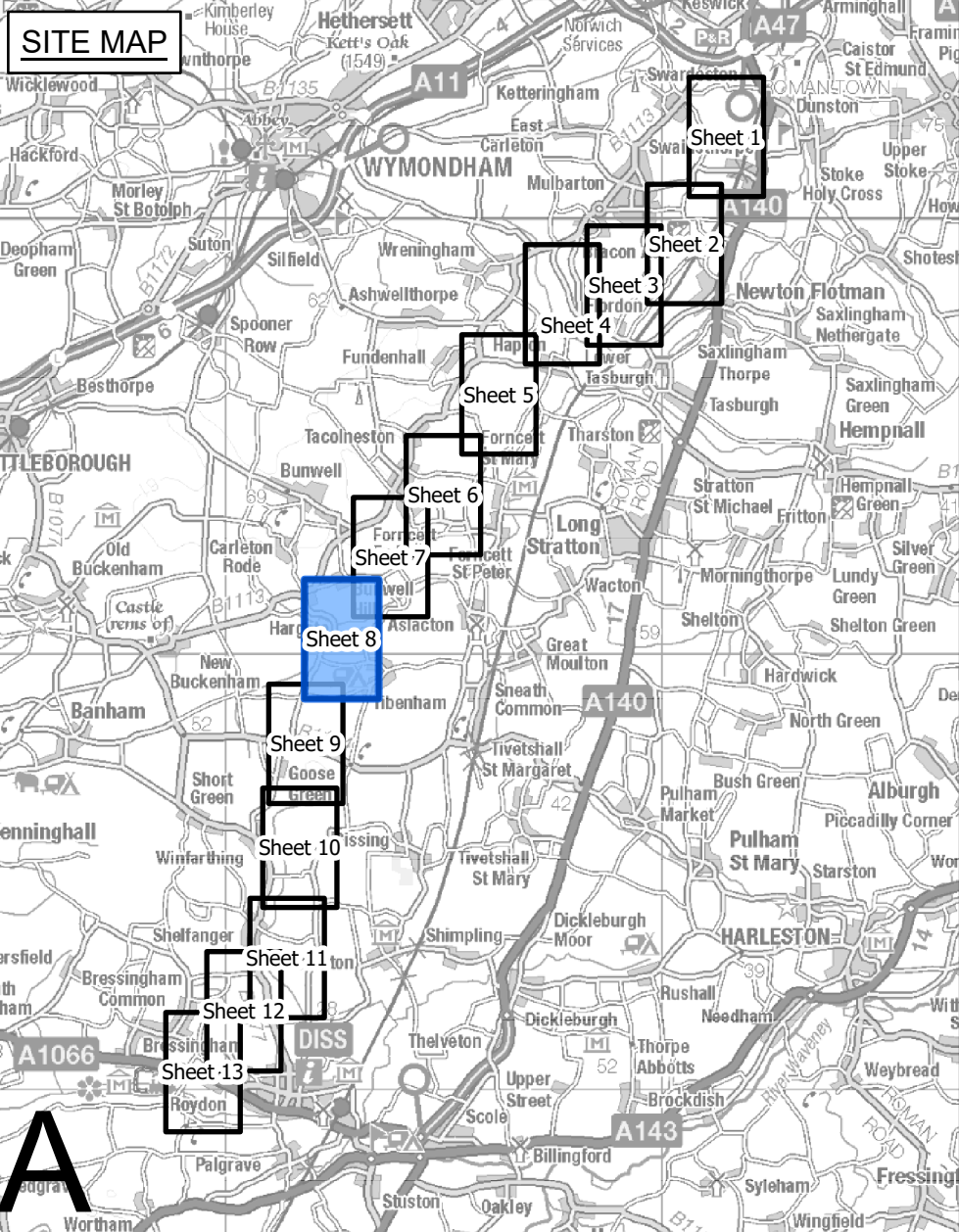
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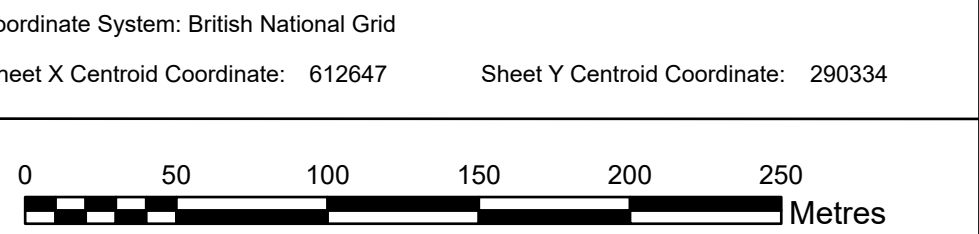
THE NATIONAL GRID (NORWICH TO TILBURY) ORDER
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REGULATION 5(2)(j)
SECTION A (SHEET 8 OF 13,
SOUTH NORFOLK COUNCIL)

Application Document 2.3



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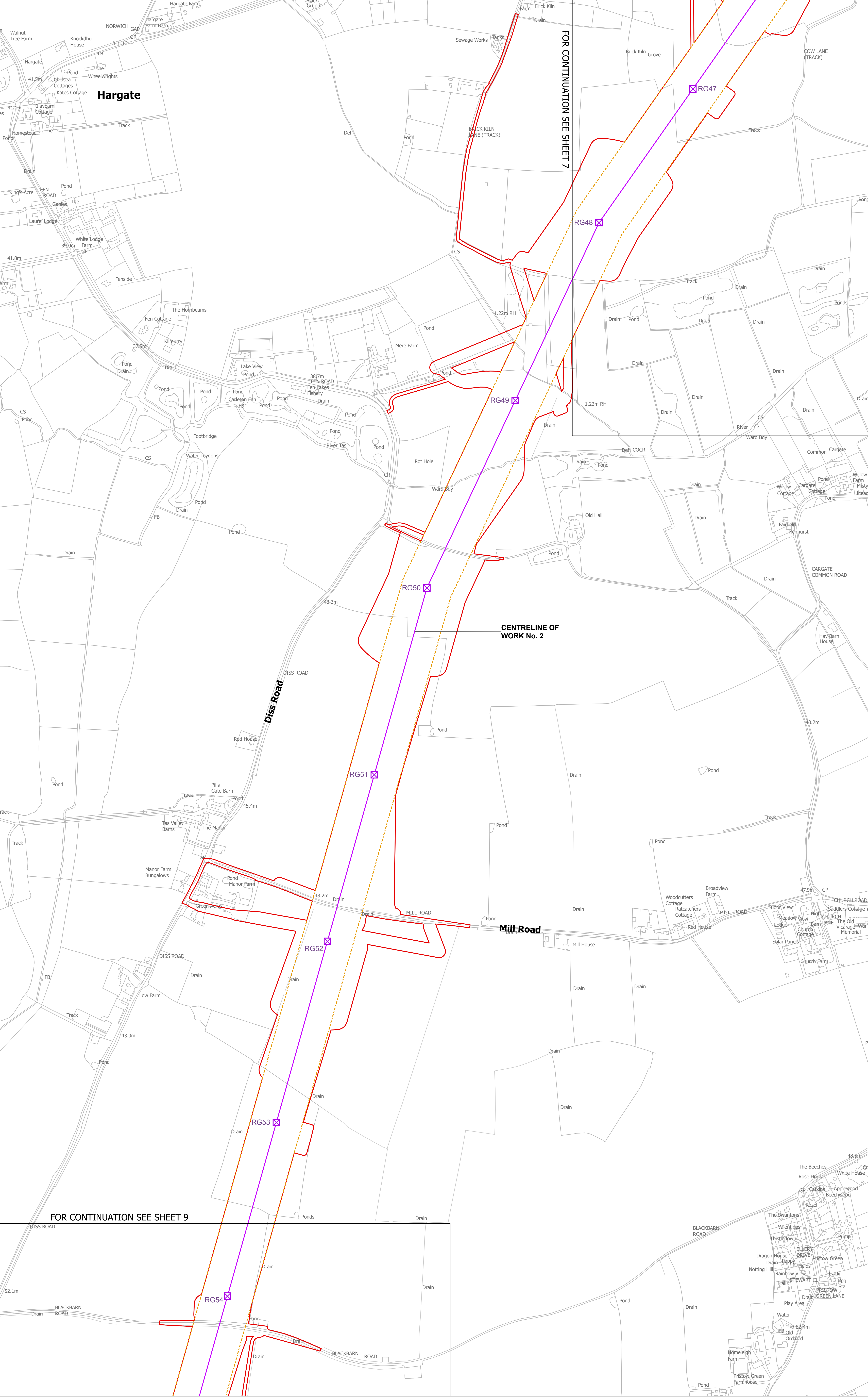
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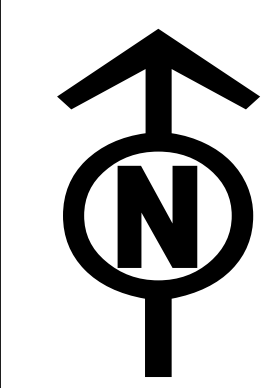
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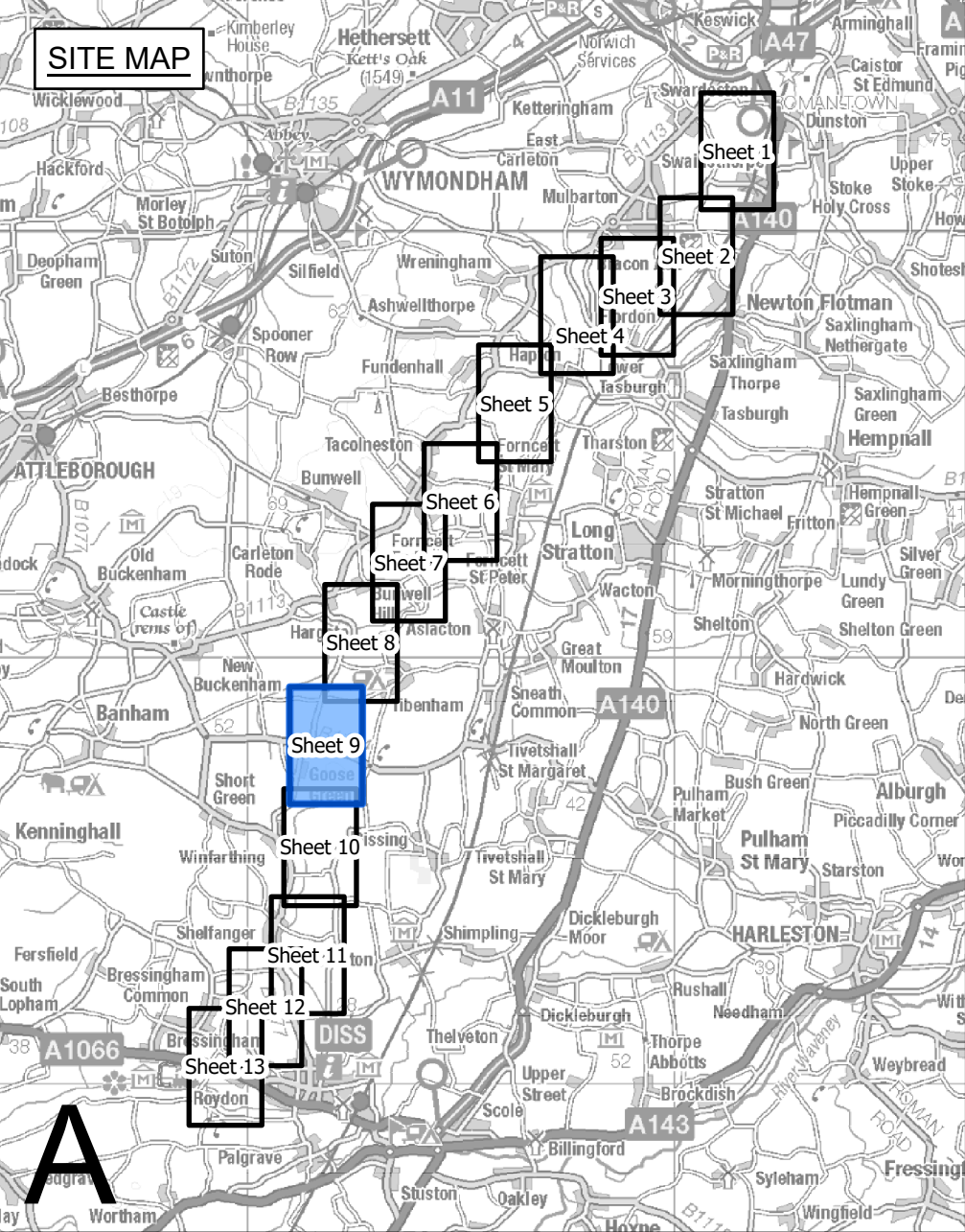
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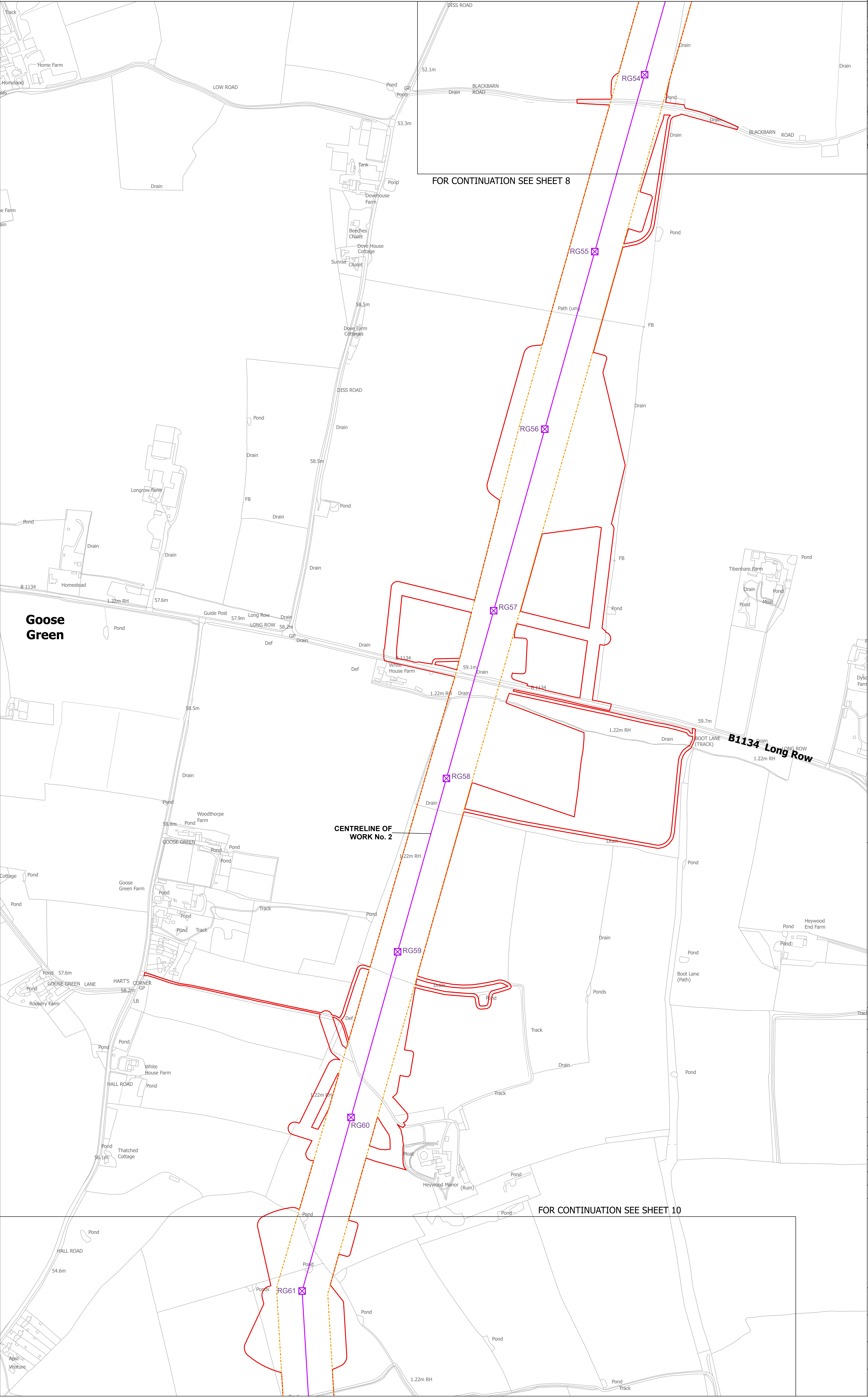


THE NATIONAL GRID (NORWICH TO TILBURY) ORDER
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REGULATION 5(2)(j)
SECTION A (SHEET 9 OF 13,
SOUTH NORFOLK COUNCIL)

Application Document 2.3



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Coordinate System: British National Grid
Sheet X Centroid Coordinate: 611828 Sheet Y Centroid Coordinate: 287932



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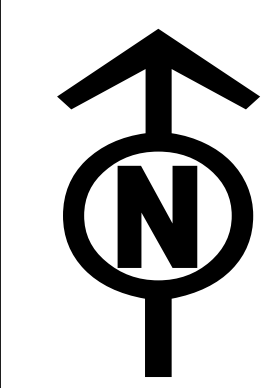
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nationalgrid

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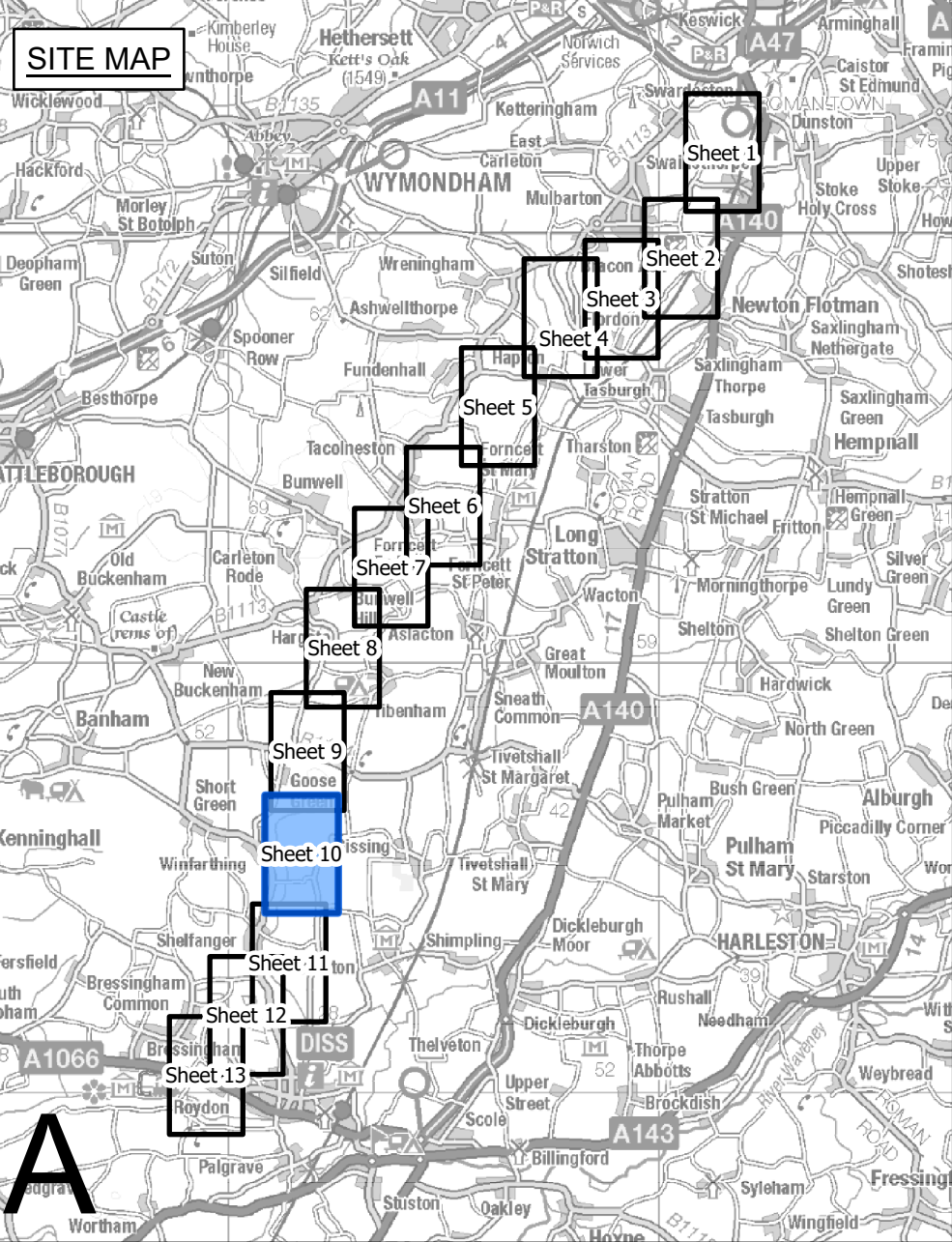
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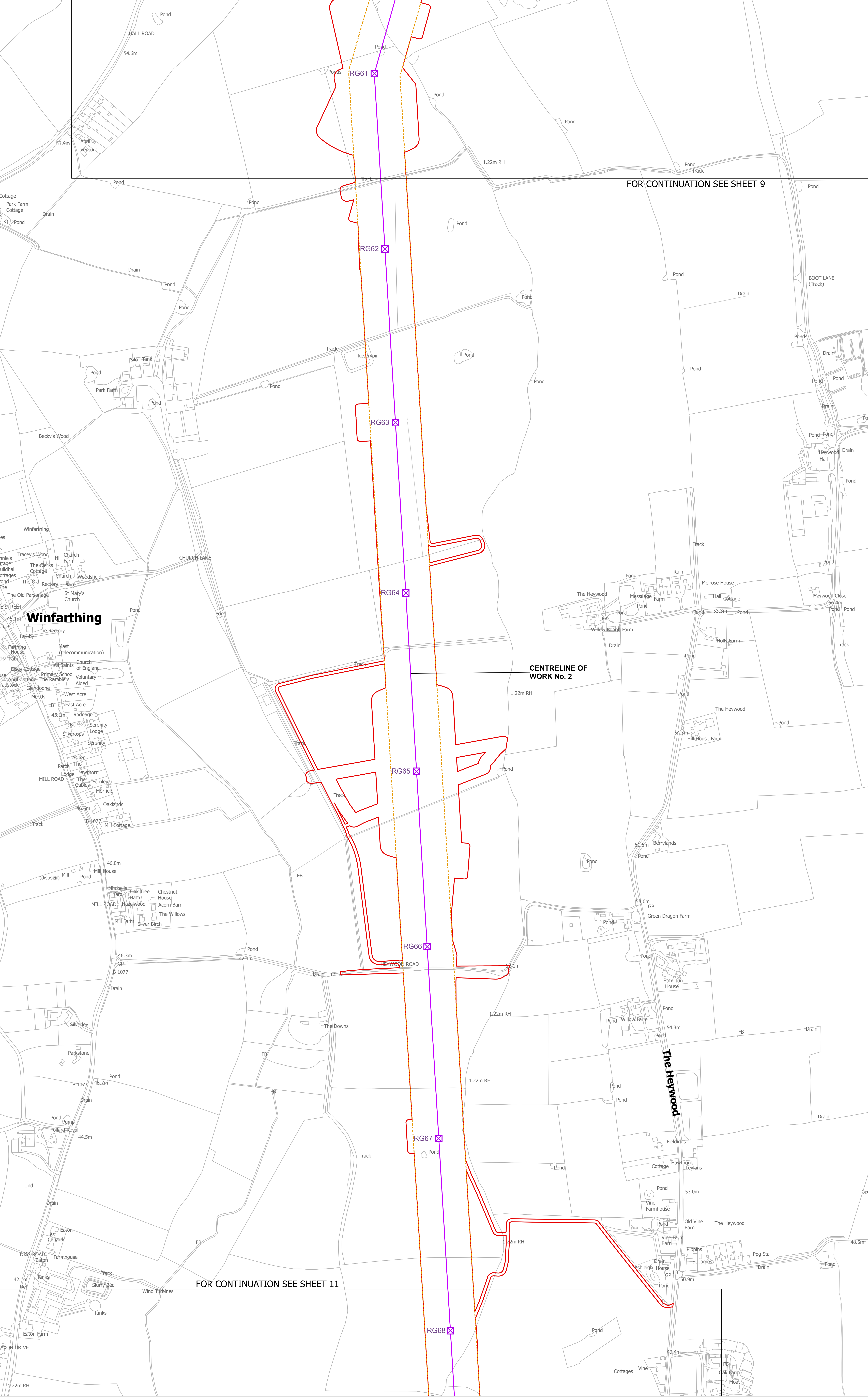


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Application Document 2.3

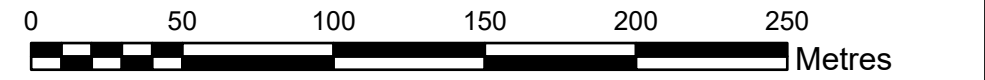


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Coordinate System: British National Grid
Sheet X Centroid Coordinate: 611685 Sheet Y Centroid Coordinate: 285543



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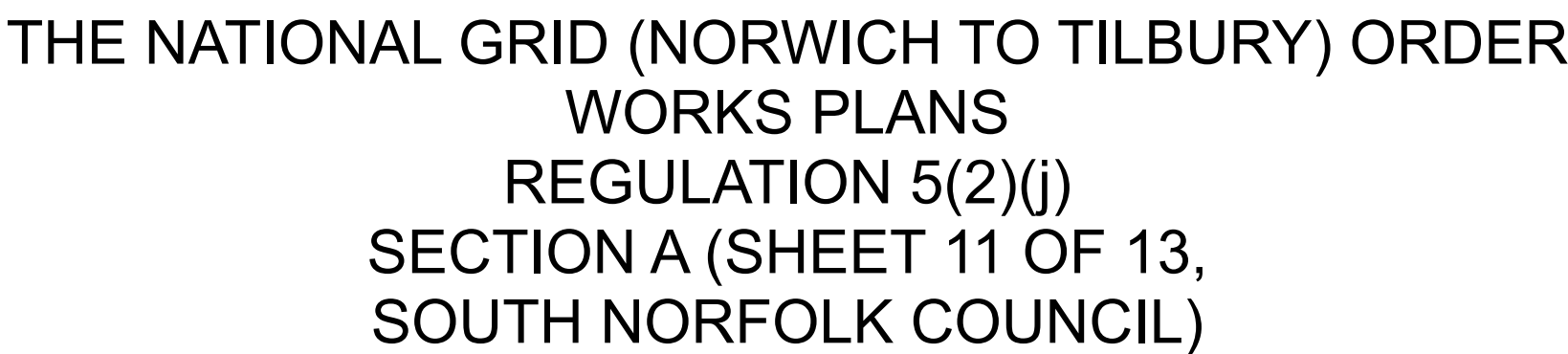
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nationalgrid

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Scale	Sheet Size	Sheet	Issue
1:2,500	A0	SHEET 10 OF 13	A



FOR CONTINUATION SEE SHEET 10

Shelfanger









FOR CONTINUATION SEE SHEET 12

**CENTRELINE OF
WORK No. 2**

Shelfanger Road 32.6m

The Heywood

Legend

-  Section boundary & local authority boundary
-  Sheet index cutlines
-  Commencement of work
-  Order Limits
-  Limits of deviation: overhead lines
-  Proposed full line tension gantry (not to scale)
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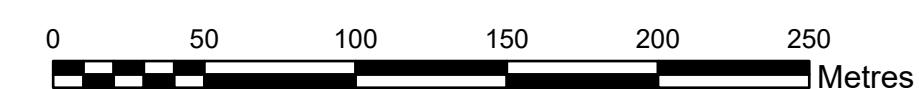
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Coordinate System: British National Grid

Sheet X Centroid Coordinate: 611396

Sheet Y Centroid Coordinate: 283012



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A	AUG-2025	For DCO submission	MAB	JPC	KR
Issue	Date	Remarks	Drawn	Checked	Approved

Title

THE NATIONAL GRID
(NORWICH TO TILBURY) ORDER
WORKS PLANS
REGULATION 5(2)(j)
SECTION A (SHEET 11 OF 13,
SOUTH NORFOLK COUNCIL)

nationalgrid

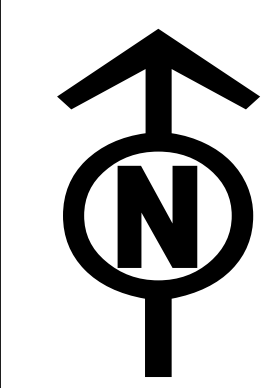
PINS Application Number

EN020027

National Grid Drawing Reference

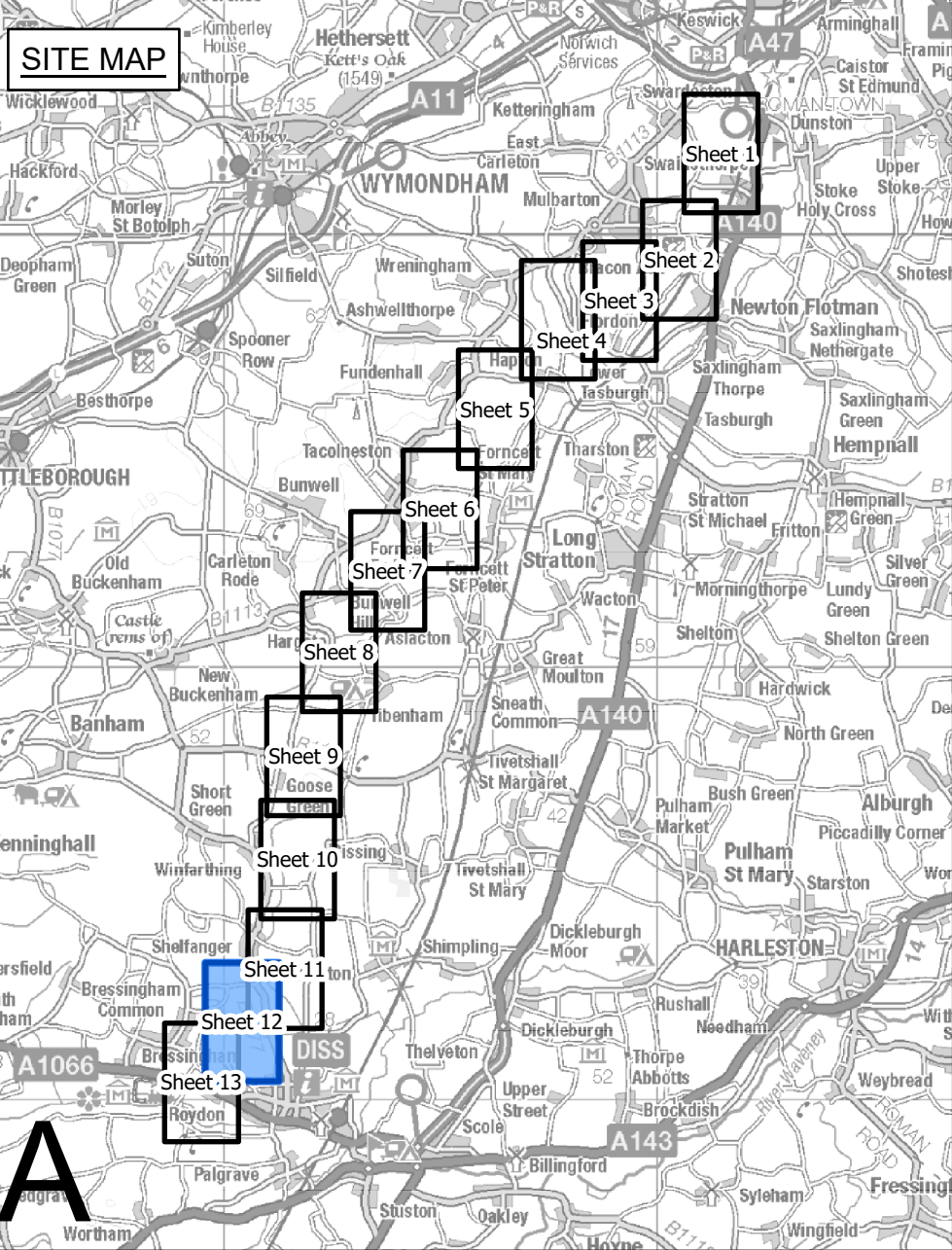
AENC-LSTC-ENG-DWG-0003

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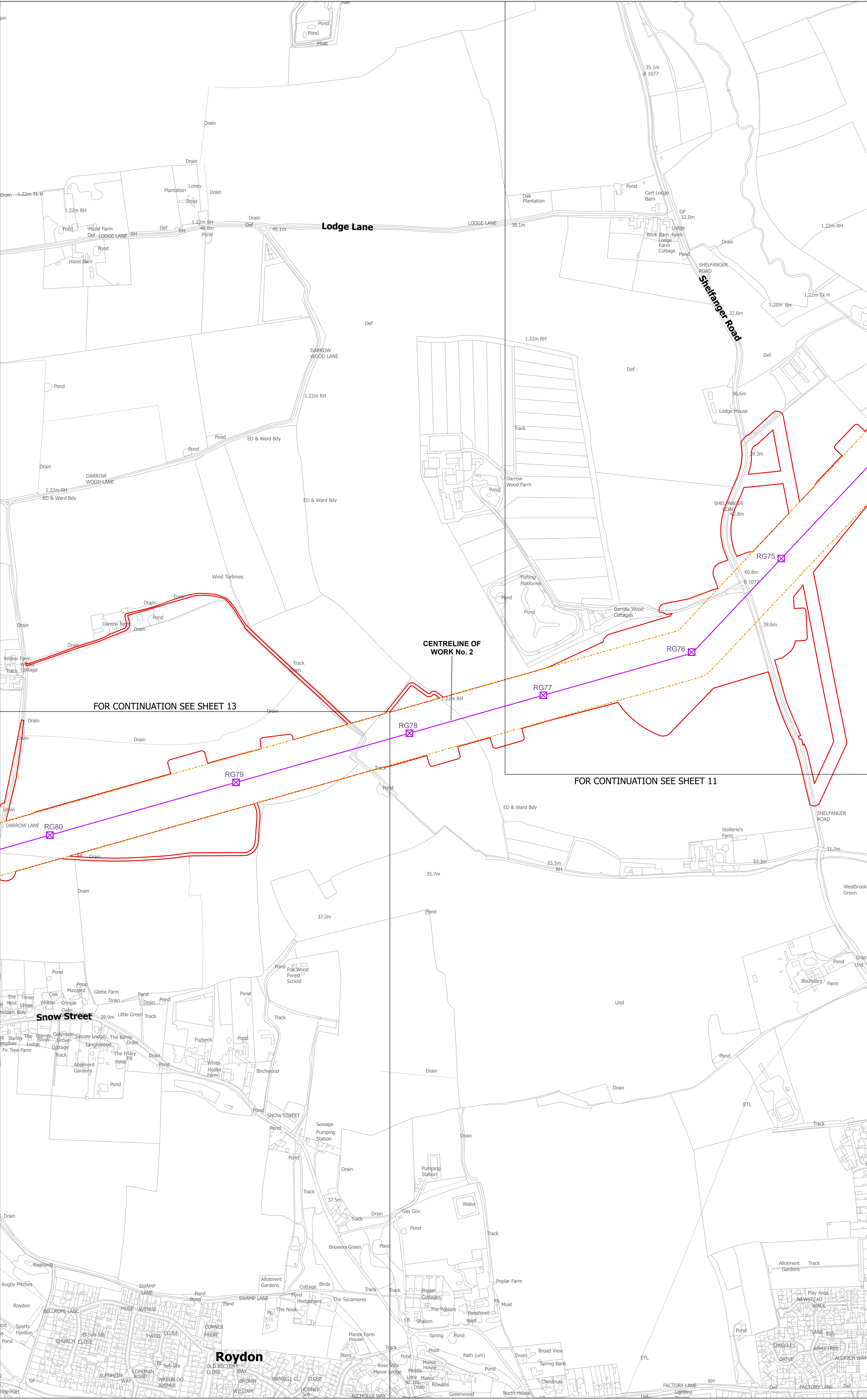


THE NATIONAL GRID (NORWICH TO TILBURY) ORDER
WORKS PLANS
REGULATION 5(2)(j)
SECTION A (SHEET 12 OF 13,
SOUTH NORFOLK COUNCIL)

Application Document 2.3

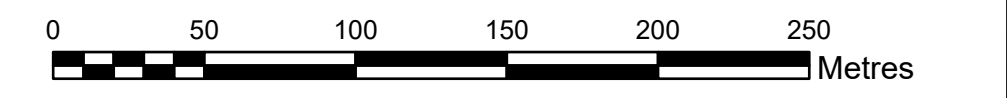


- Legend**
- Section boundary & local authority boundary
 - Sheet index cutlines
 - Commencement of work
 - Order Limits
 - Limits of deviation: overhead lines
 - Proposed full line tension gantry (not to scale)
 - Proposed lattice pylons (not to scale)
 - Proposed overhead line
 - Existing substation



- Notes**
- These plans show the Order Limits and potential location for the works. Due to the need for future flexibility, National Grid will be applying for Order Limits and Limits of Deviation within its Development Consent Order, within which any final alignments would lie.
 - For additional detail on the plan suites, please refer to the Guide to Plans (document reference 2.0), located in the Volume 2 of the DCO application.
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Coordinate System: British National Grid
Sheet X Centroid Coordinate: 610403 Sheet Y Centroid Coordinate: 281788



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THE NATIONAL GRID
(NORWICH TO TILBURY) ORDER
WORKS PLANS
REGULATION 5(2)(j)
SECTION A (SHEET 12 OF 13,
SOUTH NORFOLK COUNCIL)

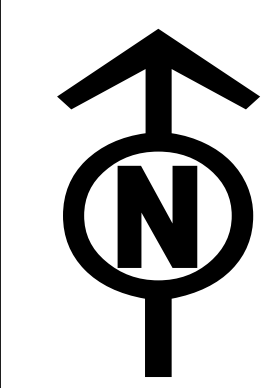
PINS Application Number

EN020027

National Grid Drawing Reference

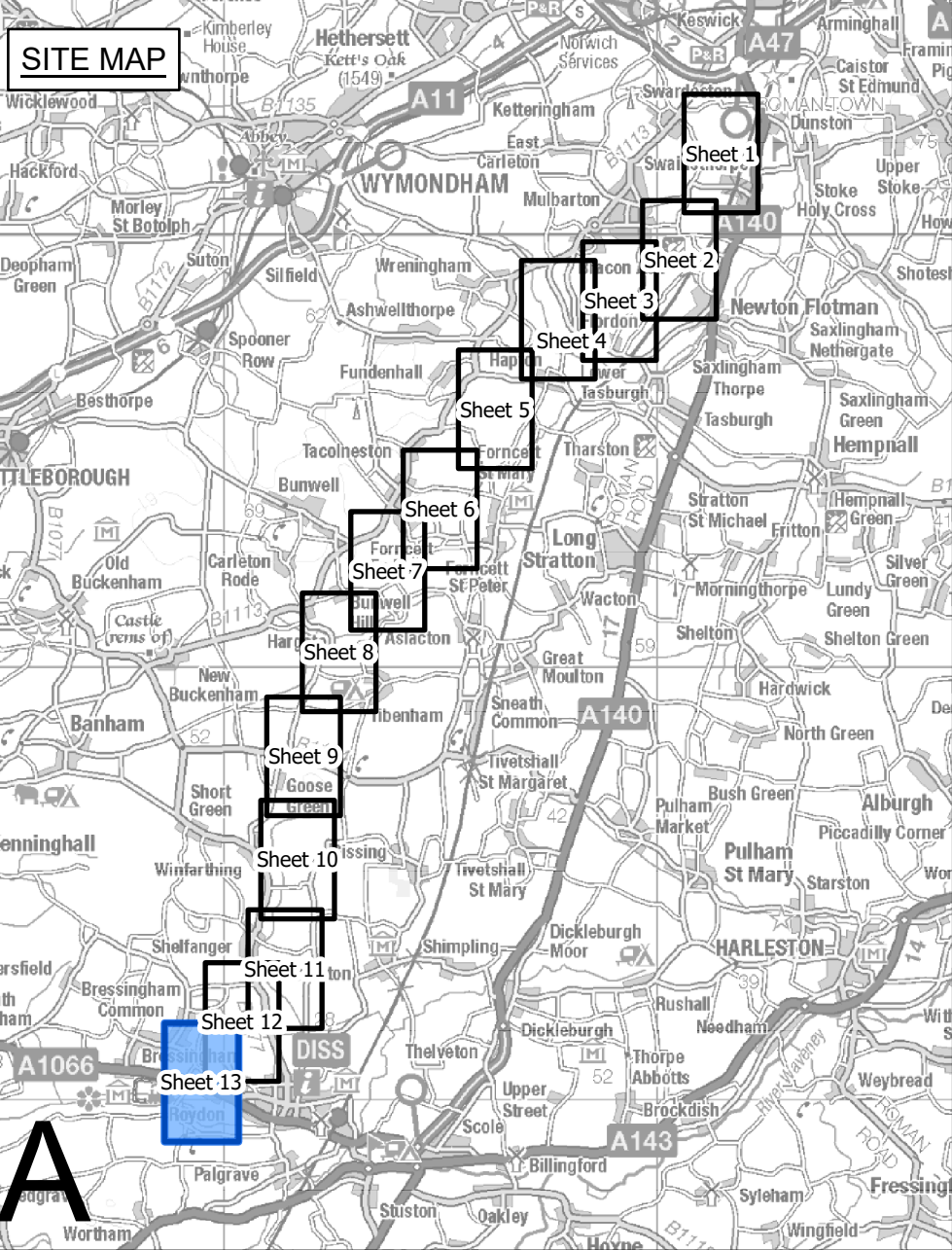
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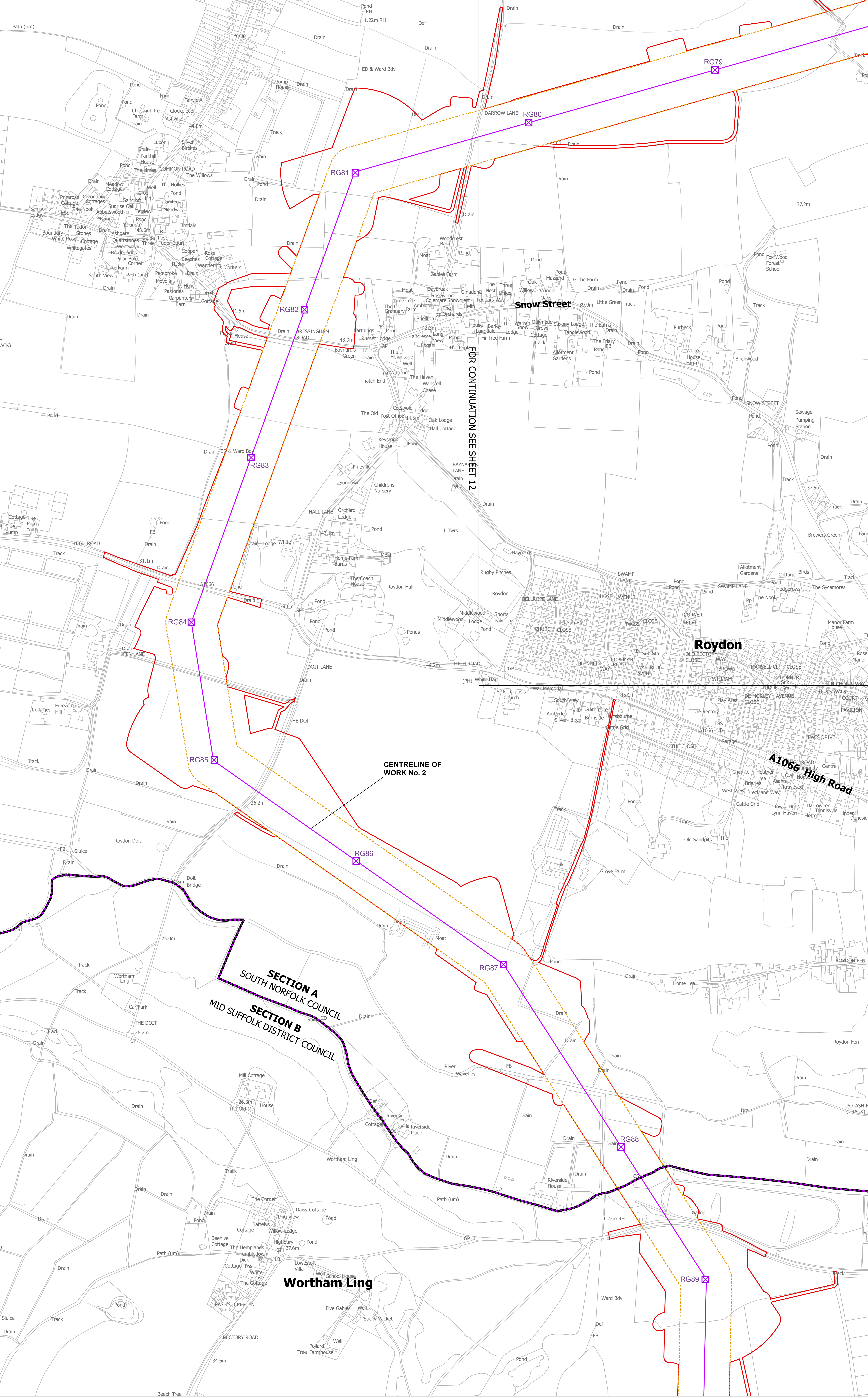


THE NATIONAL GRID (NORWICH TO TILBURY) ORDER
WORKS PLANS
REGULATION 5(2)(j)
SECTION A (SHEET 13 OF 13,
SOUTH NORFOLK COUNCIL AND MID SUFFOLK DISTRICT COUNCIL)

Application Document 2.3



- Legend**
- Section boundary & local authority boundary
 - Sheet index cutlines
 - Commencement of work
 - Order Limits
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Coordinate System: British National Grid
Sheet X Centroid Coordinate: 659484 Sheet Y Centroid Coordinate: 280394



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REGULATION 5(2)(j)
SECTION A (SHEET 13 OF 13,
SOUTH NORFOLK COUNCIL AND
MID SUFFOLK DISTRICT COUNCIL)

PINS Application Number

EN020027

National Grid Drawing Reference

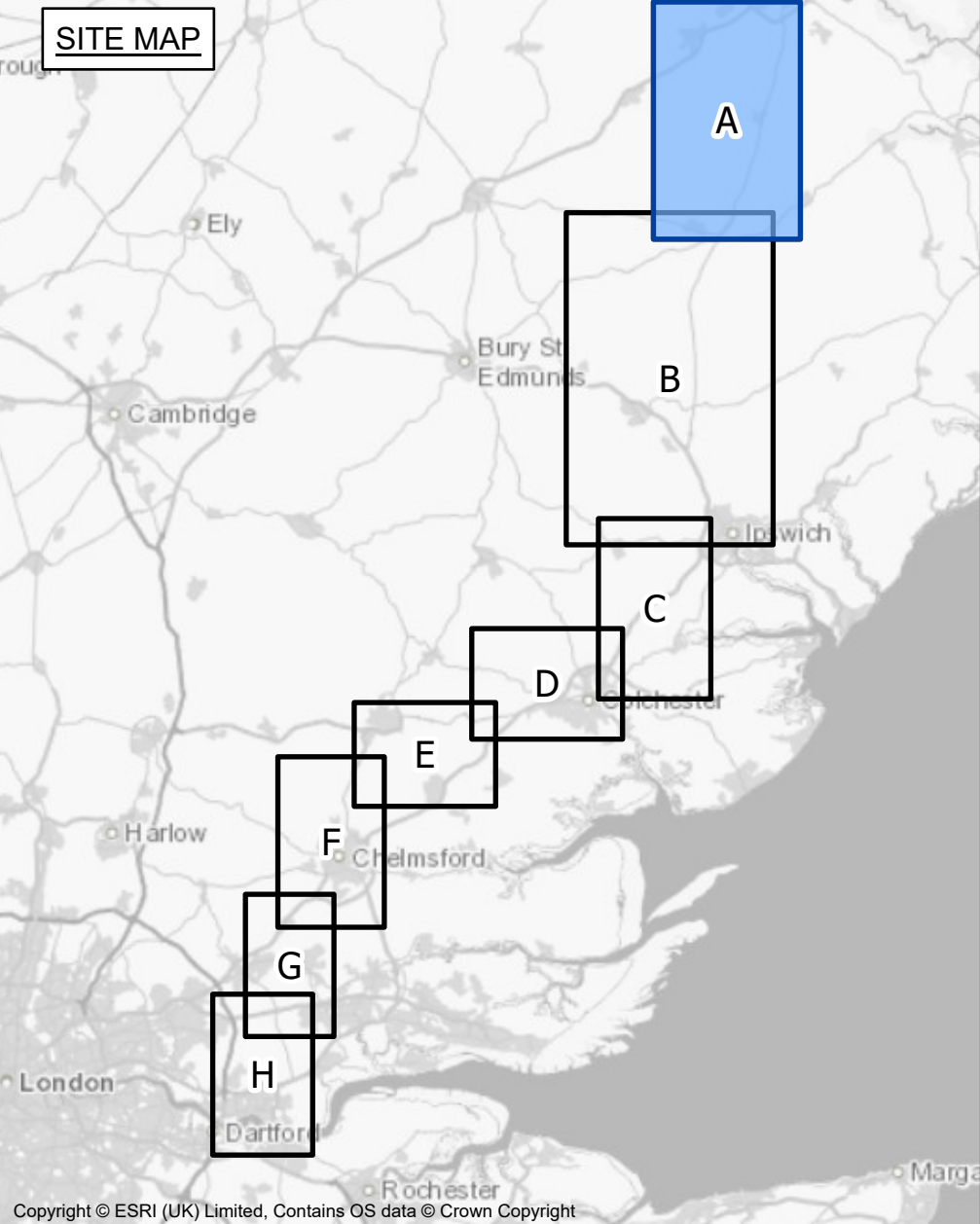
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Scale	Sheet Size	Sheet	Issue
1:2,500	A0	SHEET 13 OF 13	A



THE NATIONAL GRID (NORWICH TO TILBURY) ORDER
WORKS PLANS
REGULATION 5(2)(j)
TABLE OF PARAMETERS - SECTION A (SHEET 1 OF 1,
SOUTH NORFOLK COUNCIL AND MID SUFFOLK DISTRICT COUNCIL)

Application Document 2.3



Infrastructure title/number	Infrastructure height above infrastructure foundation (m)	Upward extent of vertical limit of deviation (m)
Norwich Main Substation	Refer to note 6	Refer to note 6
RG1	15	Refer to note 5
RG2	15	Refer to note 5
RG3	45.7	6
RG4	44.8	6
RG5	43.1	6
RG6	44.8	6
RG7	55.1	6
RG8	54.7	6
RG9	50.8	6
RG10	46.1	6
RG11	53.8	6
RG12	53.8	6
RG13	49.1	6
RG14	53.8	6
RG15	53.8	6
RG16	48.7	6
RG17	50.8	6
RG18	52.1	6
RG19	53.8	6
RG20	48.7	6
RG21	50.8	6
RG22	56.8	6
RG23	54.7	6
RG24	50.8	6
RG25	53.8	6
RG26	50.8	6
RG27	50.8	6
RG28	49.1	6
RG29	50.8	6
RG30	54.7	6
RG31	53.8	6
RG32	56.8	6
RG33	54.7	6
RG34	50.8	6
RG35	50.8	6
RG36	53.8	6
RG37	53.8	6
RG38	50.8	6
RG39	55.3	6
RG40	59.8	6
RG41	53.8	6
RG42	46.1	6
RG43	53.8	6
RG44	53.8	6
RG45	53.8	6
RG46	51.7	6
RG47	50.8	6
RG48	48.7	6
RG49	50.8	6
RG50	51.7	6
RG51	53.8	6
RG52	53.8	6
RG53	50.8	6
RG54	53.8	6
RG55	53.8	6
RG56	48.7	6
RG57	53.8	6
RG58	53.8	6
RG59	47.8	6
RG60	53.8	6
RG61	48.7	6
RG62	50.8	6
RG63	50.8	6
RG64	50.8	6
RG65	51.7	6
RG66	50.8	6
RG67	53.8	6
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RG69	50.8	6
RG70	54.7	6
RG71	50.8	6
RG72	50.8	6
RG73	54.7	6
RG74	53.8	6
RG75	50.8	6
RG76	49.1	6
RG77	47.8	6
RG78	47.8	6
RG79	50.8	6
RG80	56.8	6
RG81	52.1	6
RG82	50.8	6
RG83	53.8	6
RG84	51.7	6
RG85	52.1	6
RG86	53.8	6
RG87	51.7	6
RG88	53.8	6

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 - The foundation of infrastructure is expected to extend above ground level between 0 m and 0.6 m dependant on the topography and geotechnical conditions.
 - Gantries, located within a substation or cable sealing end compound, have a 15.0 m maximum height and an upward vertical limit of deviation of 10% of that height.
 - Non-linear infrastructure located within substations and cable sealing end compounds have a 15.0 m maximum height and an upward vertical limit of deviation of 10% of that height, excluding rooftop equipment, such as but not limited to, lightning protection, aerials, fall arrest systems, and handrails.
 - The voltage of the RG overhead line is 400 kV.

Coordinate System: British National Grid
Sheet X Centroid Coordinate: 615733 Sheet Y Centroid Coordinate: 292211

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PINS Application Number

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National Grid Drawing Reference

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Scale	Sheet Size	Sheet	Issue
N/A	A0	SHEET 1 OF 1	A

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