

BT-NG-020621-545-0008

# Bramford to Twinstead Reinforcement

Volume 2: Plans and Drawings

Document 2.5: Work Plans

Final Issue A  
April 2023

Planning Inspectorate reference: EN020002

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

nationalgrid





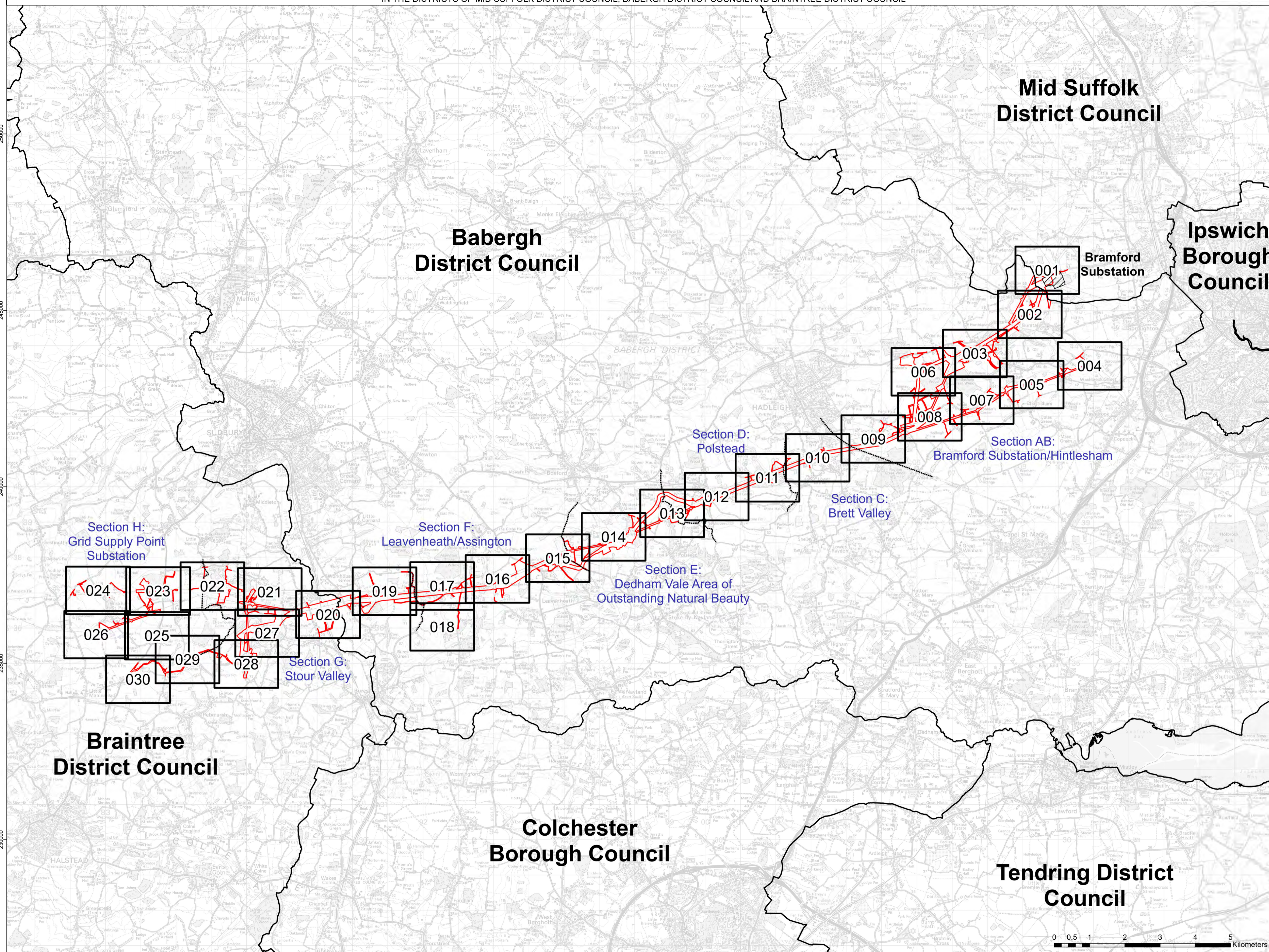
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**Legend**

- Order limits
- Section boundary
- Local authority boundary
- Existing substation



**Mid Suffolk District Council**

**Babergh District Council**

**Ipswich Borough Council**

**Bramford Substation**

**Section D:  
Polstead**

**Section AB:  
Bramford Substation/Hintlesham**

**Section C:  
Brett Valley**

**Section F:  
Leavenheath/Assington**

**Section E:  
Dedham Vale Area of  
Outstanding Natural Beauty**

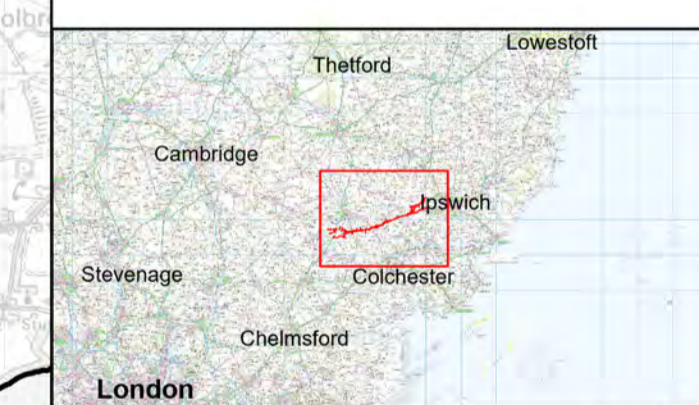
**Section H:  
Grid Supply Point  
Substation**

**Section G:  
Stour Valley**

**Braintree District Council**

**Colchester Borough Council**

**Tendring District Council**



Reference should be made to Document 2.1 Guide to the Plans which provides further information on what the plans show.

NG Investment No. 21847

ISSUE	DATE	REMARKS	DRAWN	CHKD	APPD
A	17/02/2023	Rev A for DCO application	NP	DF	RF

PROJECT: **Bramford to Twinstead Reinforcement**

**nationalgrid**

TITLE: **Document 2.5 Work Plans**

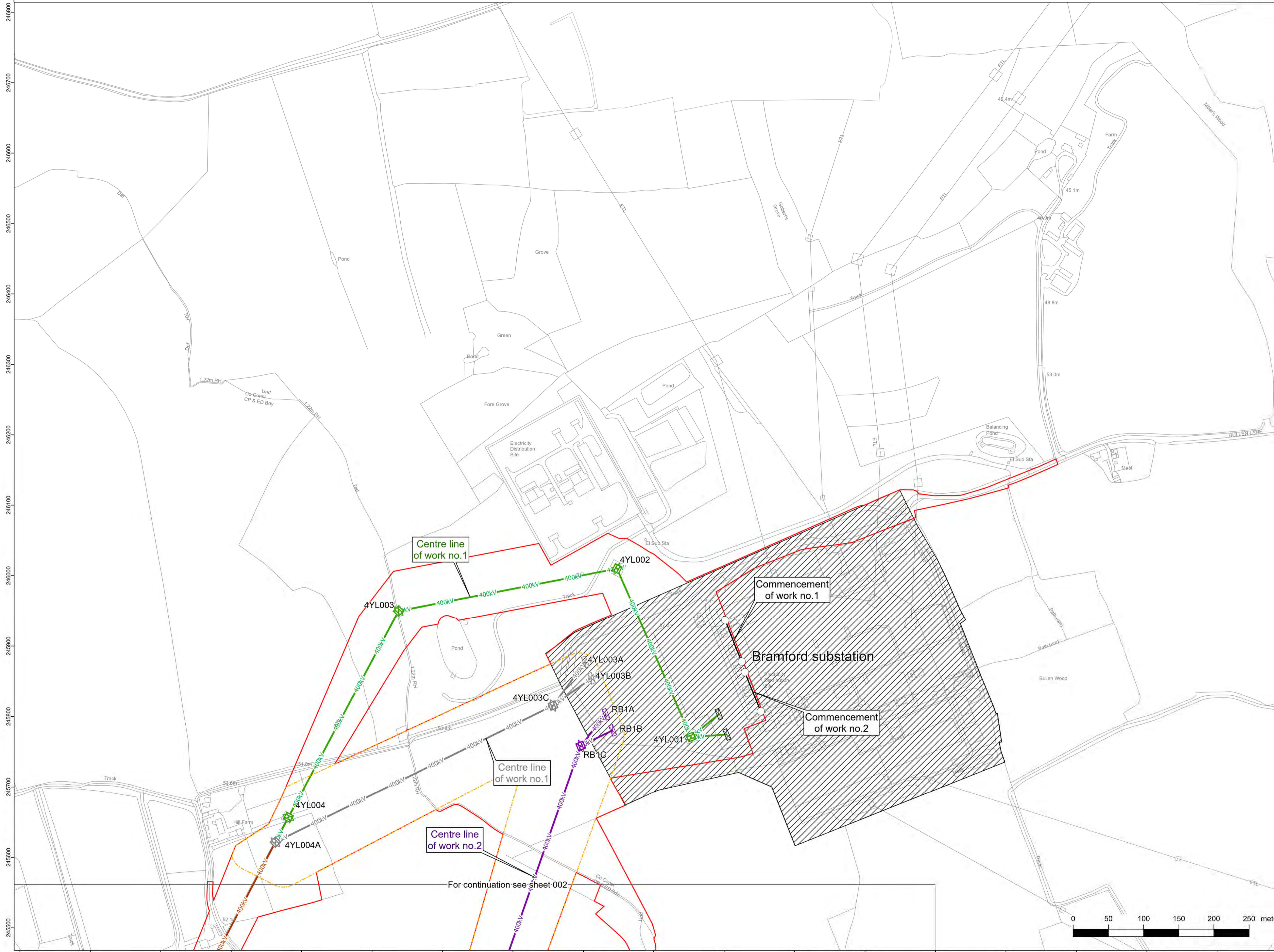
CIRCUIT / SITE: **Bramford – Pelham & Bramford – Braintree – Bulls Lodge** GIS

ORIGINATOR DRAWING NO. **A1/WP/21847** A1

NG DRAWING No. **BT-NG-020621-545-0008** SHEET NO. **1** NO. OF SHEETS **1** ISSUE: **A**

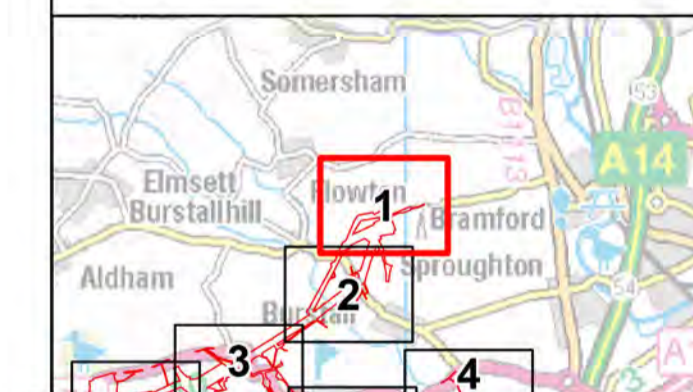






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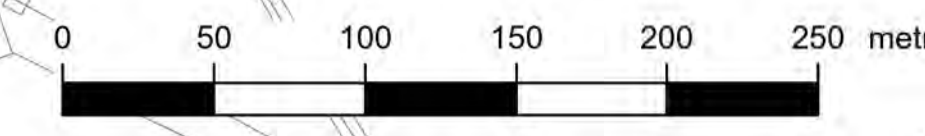
- RB Proposed 400kV overhead line
- 4YL Existing 400kV overhead line
- 4YLA Existing 400kV overhead line
- PCB Existing 132kV overhead line
- Commencement of work
- Termination of work
- Commencement and termination of work
- ▭ Order limits
- ▭ Limits of deviation: overhead lines
- ▭ Limits of deviation: underground cable
- ▭ Limits of deviation: non-linear works
- ⊞ Proposed pylon (not to scale)
- ⊞ Existing pylon (not to scale)
- ⊞ Proposed pylon modification works (not to scale)
- ⊞ Proposed pylon realignment (not to scale)
- ⊞ Proposed pylon removal (not to scale)
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- 132kV Existing 132kV overhead line
- 132kV Proposed modification of 132kV overhead line
- 132kV Proposed removal of 132kV overhead line
- 400kV Proposed 400kV underground cables
- 132kV Proposed 132kV underground cables
- ▨ Existing substation



Reference should be made to Document 2.1 Guide to the Plans which provides further information on what the plans show.

NG Investment No. 21847			
A	17/02/2023	Rev A for DCO application	NP DF RF
ISSUE	DATE	REMARKS	DRAWN/CHKD/APPD
PROJECT: Bramford to Twinstead Reinforcement			

<b>nationalgrid</b>	
Document 2.5 Work Plans	
CIRCUIT / SITE Bramford – Pelham & Bramford – Braintree – Bulls Lodge	
ORIGINATOR DRAWING NO. A1/WP/21847/001	
NO. OF SHEETS 01	ISSUE A
NO. OF SHEETS 30	
SCALE: 1:2,500	



For continuation see sheet 002

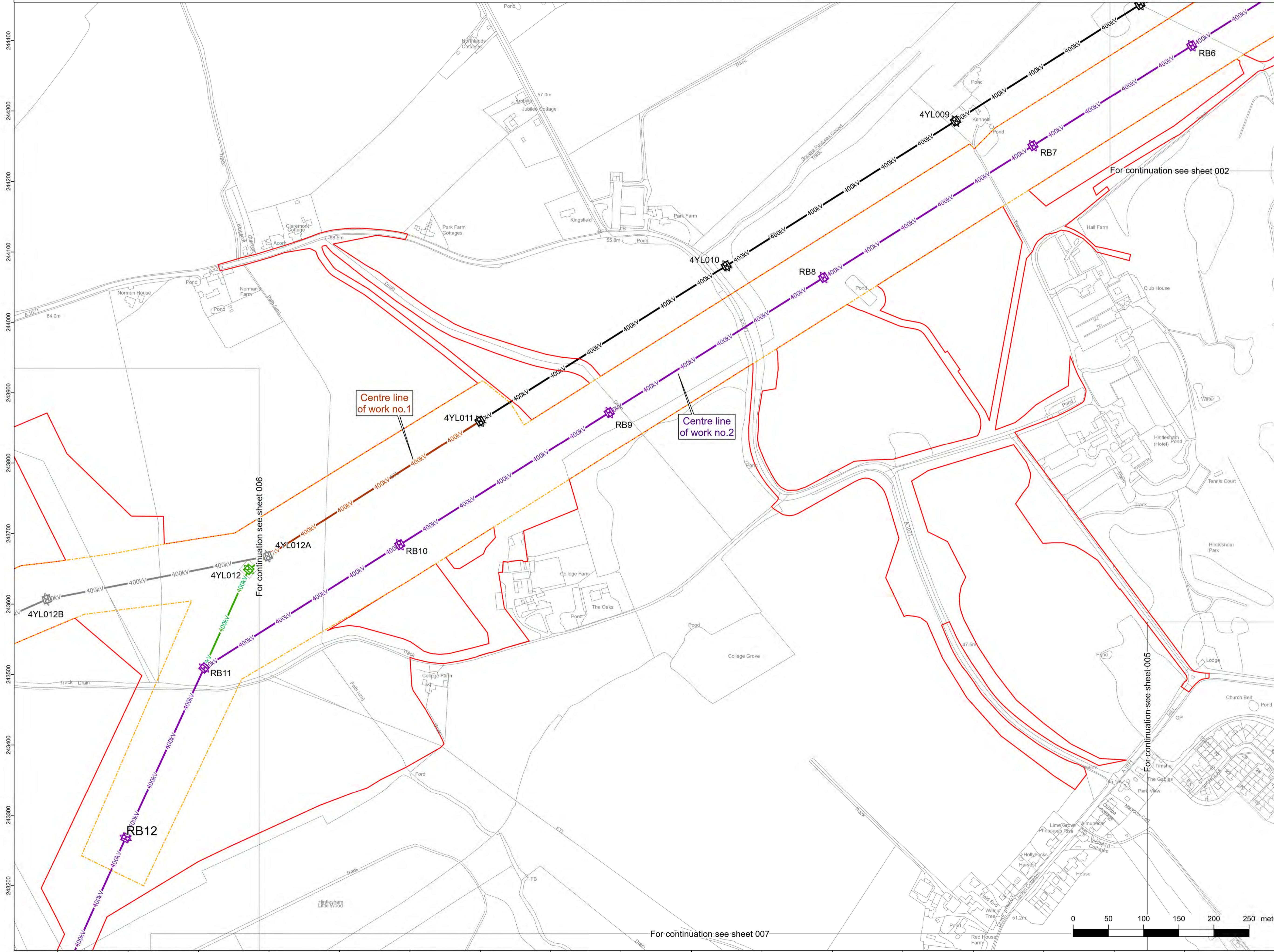




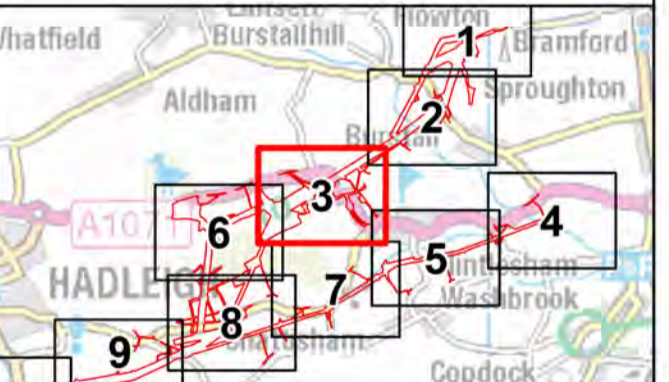




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- Legend**
- RB Proposed 400kV overhead line
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  - 132kV Proposed 132kV underground cables
  - ▭ Existing substation



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ISSUE	DATE	REMARKS	DRAWN/CHKD/APPD

PROJECT: **Bramford to Twinstead Reinforcement**

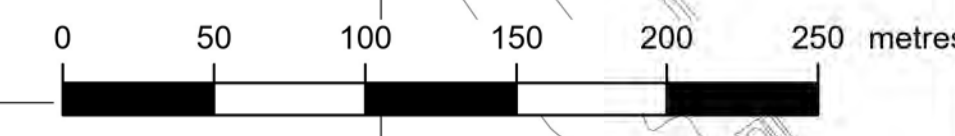


TITLE: **Document 2.5 Work Plans**

CIRCUIT / SITE: **Bramford – Pelham & Bramford – Braintree – Bulls Lodge** GIS

ORIGINATOR DRAWING NO. **A1/WP/21847/003** A1

NG DRAWING No. **BT-NG-020621-545-0008** SHEET NO. **03** NO. OF SHEETS **30** ISSUE: **A**



For continuation see sheet 007

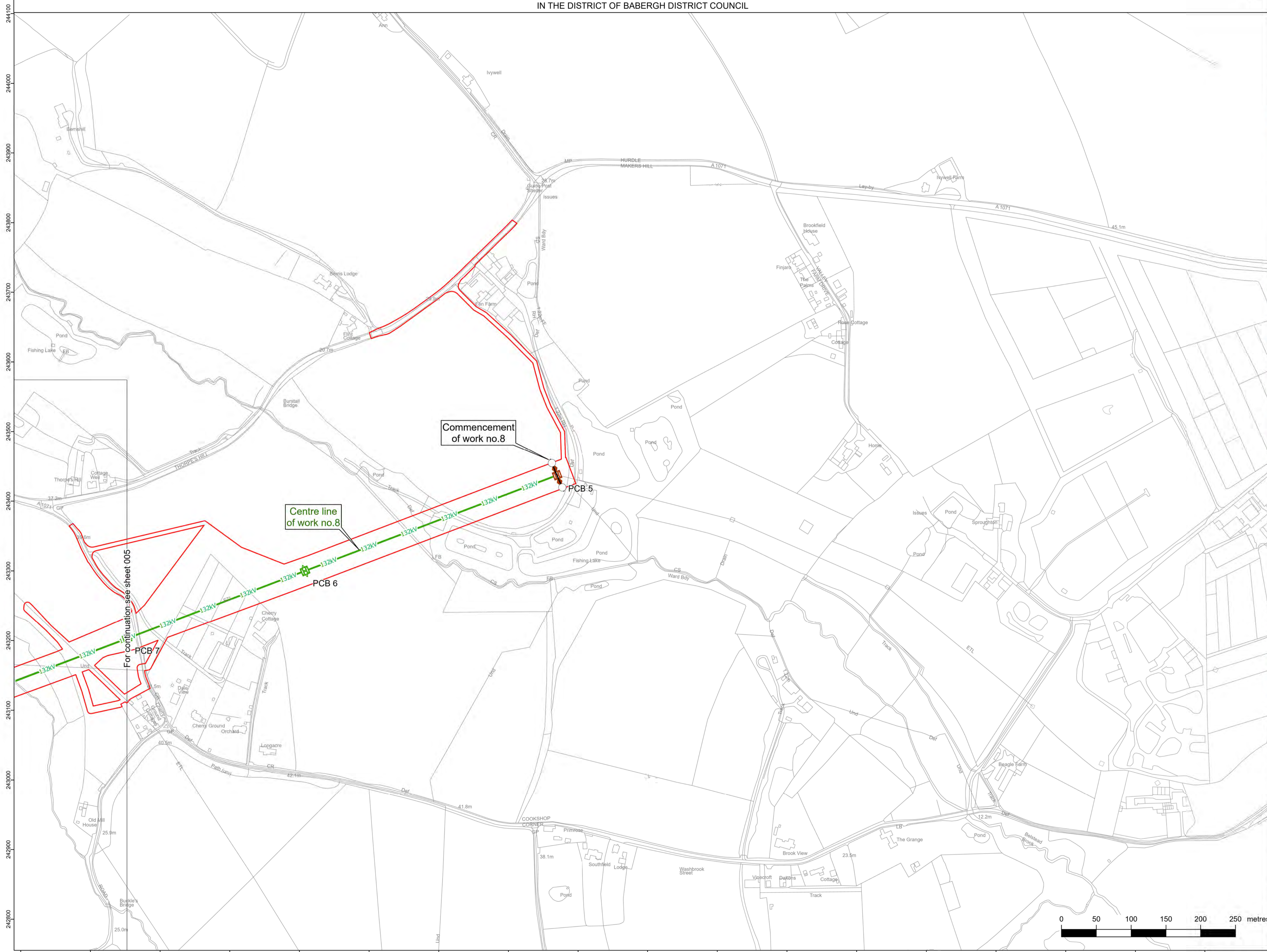


NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER  
 PINS APPLICATION NUMBER: EN020002  
 WORK PLANS  
 REGULATION 5(2)(j)  
 SHEET 4 OF 30  
 IN THE DISTRICT OF BABERGH DISTRICT COUNCIL



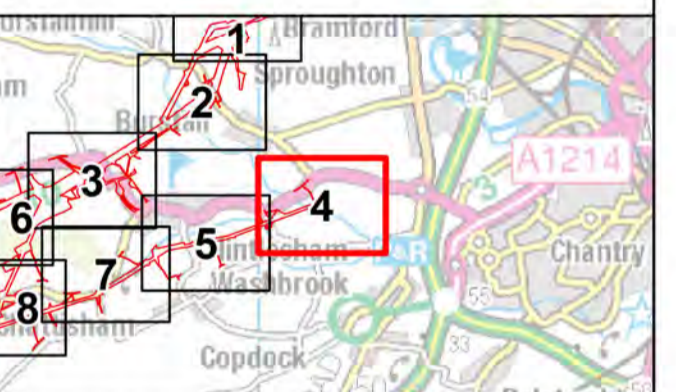
Application Document 2.5

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Legend

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- 400kV Proposed 400kV underground cables
- 132kV Proposed 132kV underground cables
- ▭ Existing substation



Reference should be made to Document 2.1 Guide to the Plans which provides further information on what the plans show.

NG Investment No. 21847			
A	17/02/2023	Rev A for DCO application	NP DF RF
ISSUE	DATE	REMARKS	DRAWN/CHKD/APPD
PROJECT: Bramford to Twinstead Reinforcement			

**nationalgrid**

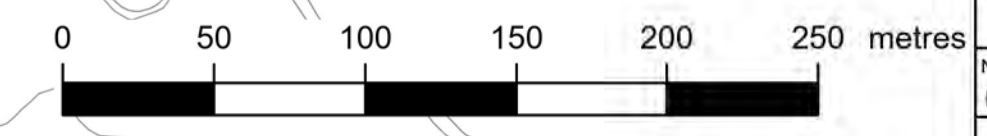
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CIRCUIT / SITE: Bramford – Pelham & Bramford – Braintree – Bulls Lodge GIS

ORIGINATOR DRAWING NO. A1/WP/21847/004 A1

NO. OF SHEETS: 30	ISSUE: A
NO. OF SHEETS: 04	ISSUE: A

SCALE: 1:2,500



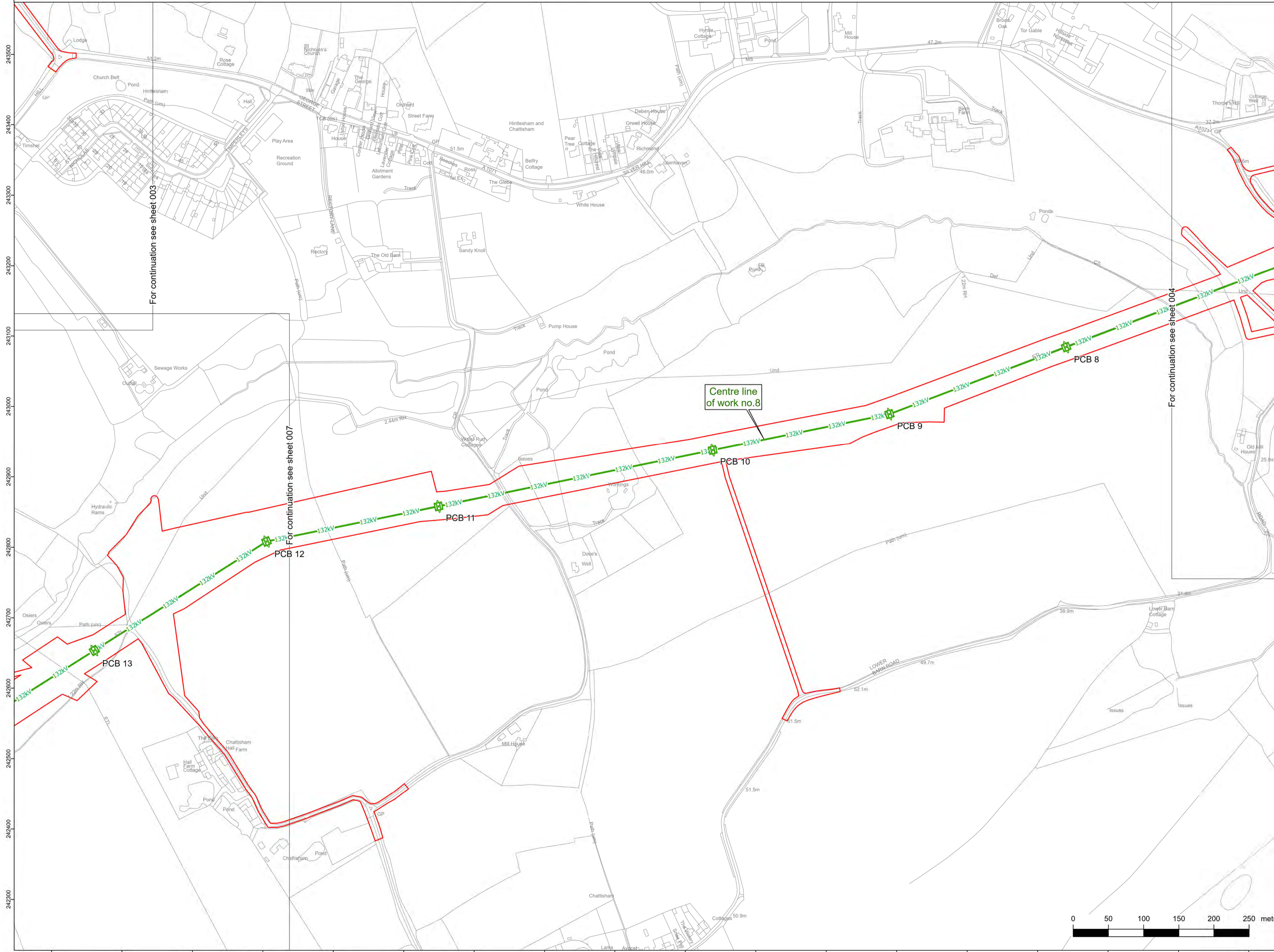


NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER  
 PINS APPLICATION NUMBER: EN020002  
 WORK PLANS  
 REGULATION 5(2)(i)  
 SHEET 5 OF 30  
 IN THE DISTRICT OF BABERGH DISTRICT COUNCIL

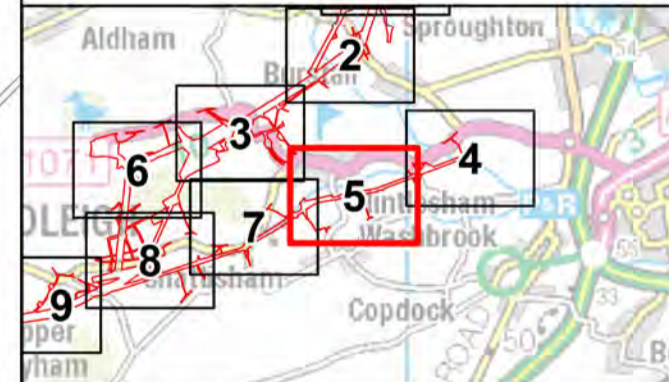


Application Document 2.5

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- Legend**
- RB Proposed 400kV overhead line
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Reference should be made to Document 2.1 Guide to the Plans which provides further information on what the plans show.

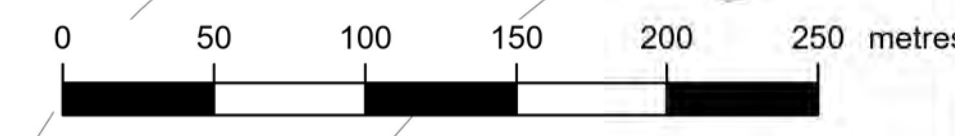
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A	17/02/2023	Rev A for DCO application	NP DF RF
ISSUE	DATE	REMARKS	DRAWN/CHKD/APP

PROJECT: **Bramford to Twinstead Reinforcement**

**nationalgrid**

TITLE: Document 2.5 Work Plans

CIRCUIT / SITE: Bramford – Pelham & Bramford – Braintree – Bulls Lodge	GIS
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NG DRAWING No. BT-NG-020621-545-0008	SHEET NO. 05
SCALE: 1:2,500	NO. OF SHEETS 30
	ISSUE: A











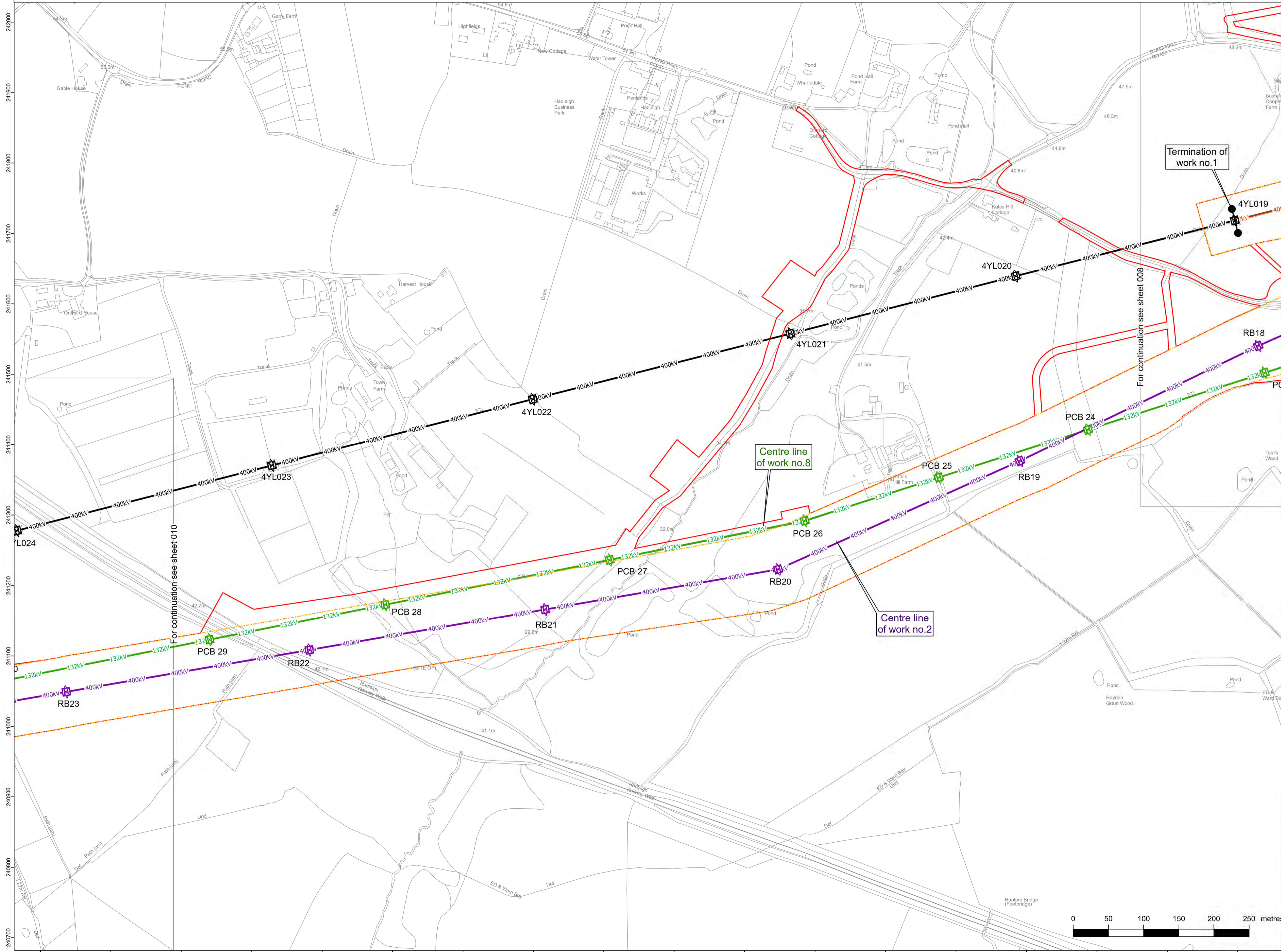




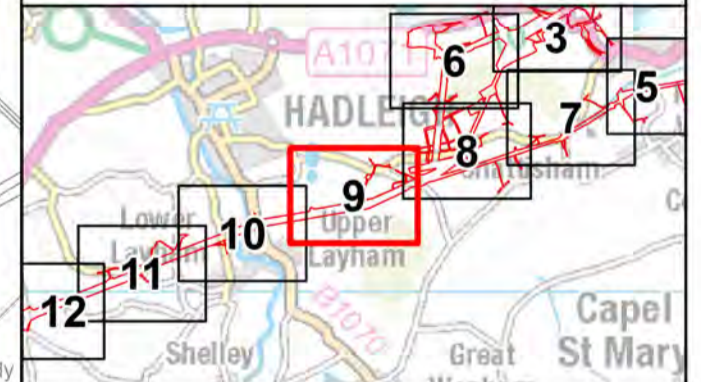


NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER  
 PINS APPLICATION NUMBER: EN020002  
 WORK PLANS  
 REGULATION 5(2)(i)  
 SHEET 9 OF 30  
 IN THE DISTRICT OF BABERGH DISTRICT COUNCIL

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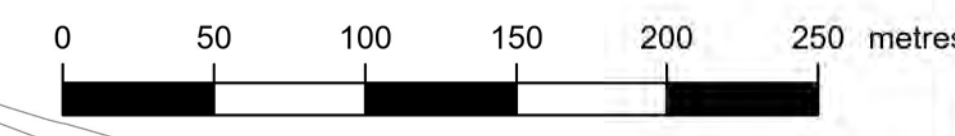


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NG Investment No. 21847			
A	17/02/2023	Rev A for DCO application	NP DF RF
ISSUE DATE	REMARKS	DRAWN/CHKD	APPD
PROJECT: <b>Bramford to Twinstead Reinforcement</b>			
<b>nationalgrid</b>			
TITLE: <b>Document 2.5 Work Plans</b>			
CIRCUIT / SITE: <b>Bramford – Pelham &amp; Bramford – Braintree – Bulls Lodge</b>			GIS
ORIGINATOR DRAWING NO. <b>A1/WP/21847/009</b>			
NG DRAWING No. <b>BT-NG-020621-545-0008</b>	SHEET NO. <b>09</b>	NO. OF SHEETS <b>30</b>	ISSUE: <b>A</b>
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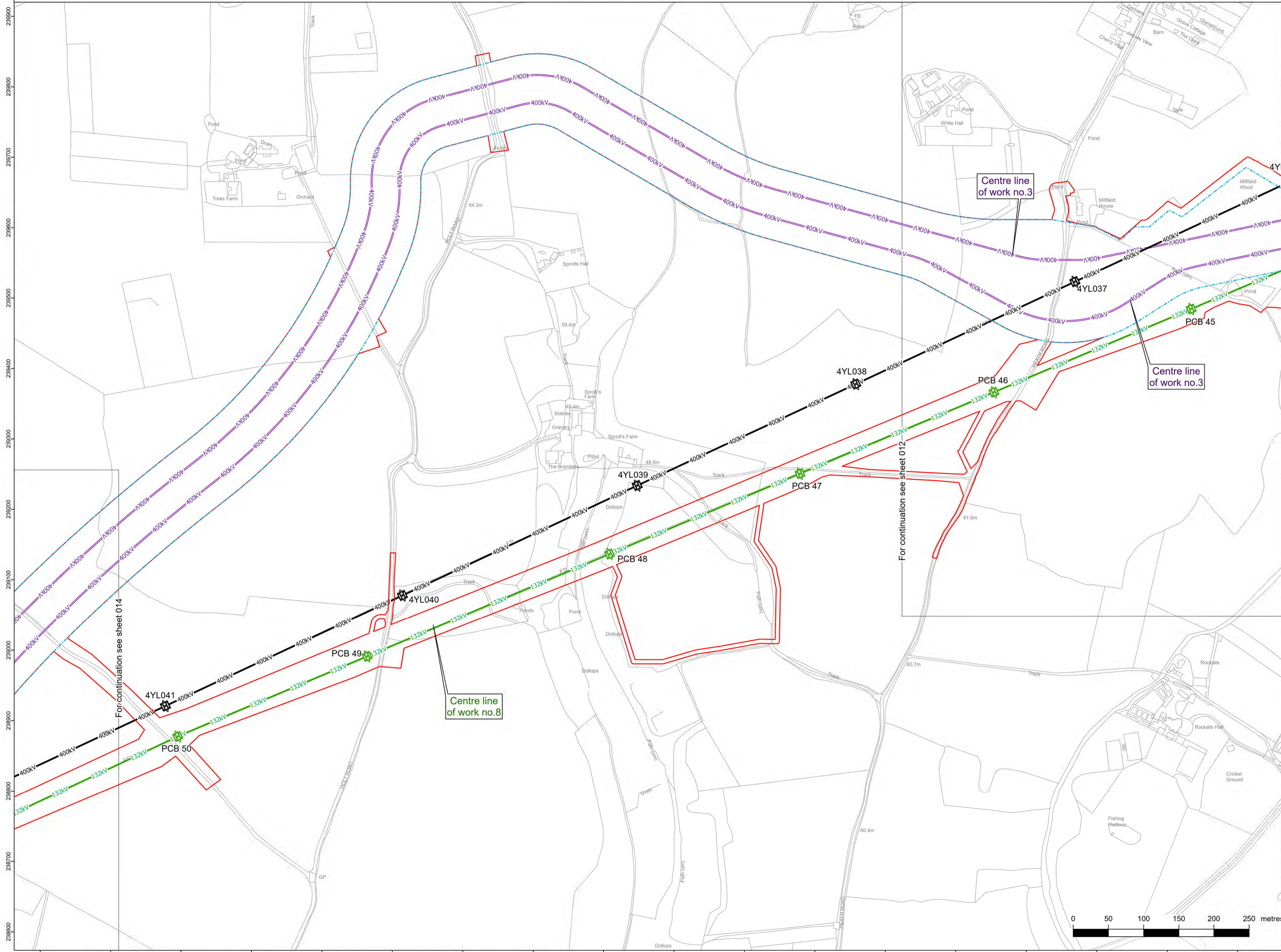




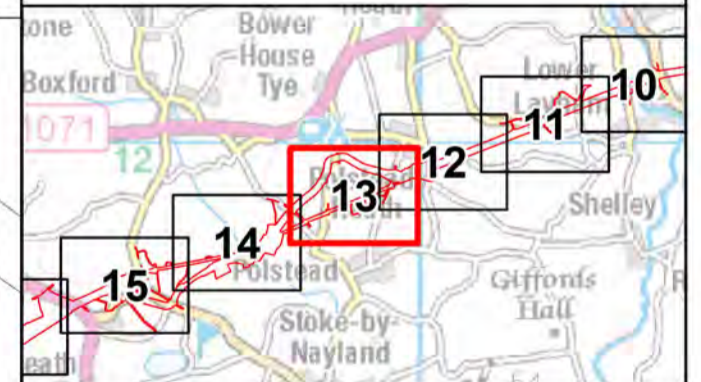
NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER  
 PINS APPLICATION NUMBER: EN020002  
 WORK PLANS  
 REGULATION 5(2)(j)  
 SHEET 13 OF 30  
 IN THE DISTRICT OF BABERGH DISTRICT COUNCIL

Application Document 2.5

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- Legend**
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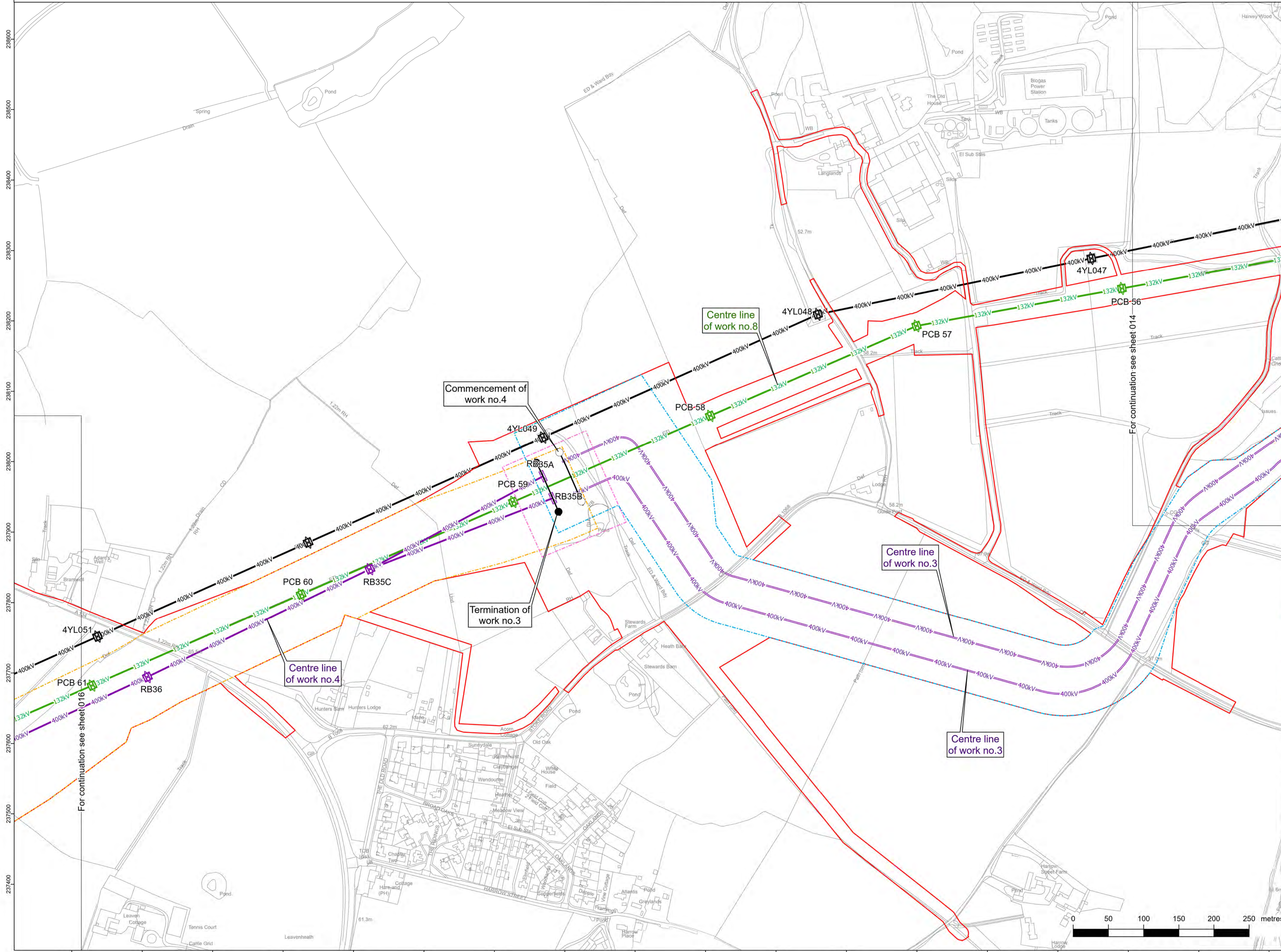
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A	17/02/2023	Rev A for DCO application	NP	DF	RF
ISSUE	DATE	REMARKS	DRAWN	CHKD	APPD
PROJECT: <b>Bramford to Twinstead Reinforcement</b>					
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TITLE: Document 2.5 Work Plans					
CIRCUIT / SITE: Bramford – Pelham & Bramford – Braintree – Bulls Lodge			GIS		
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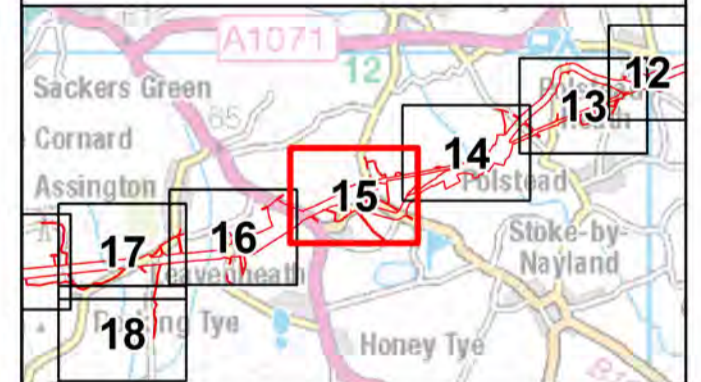




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A	17/02/2023	Rev A for DCO application	NP DF RF
ISSUE	DATE	REMARKS	DRAWN/CHKD/APPD
PROJECT: Bramford to Twinstead Reinforcement			

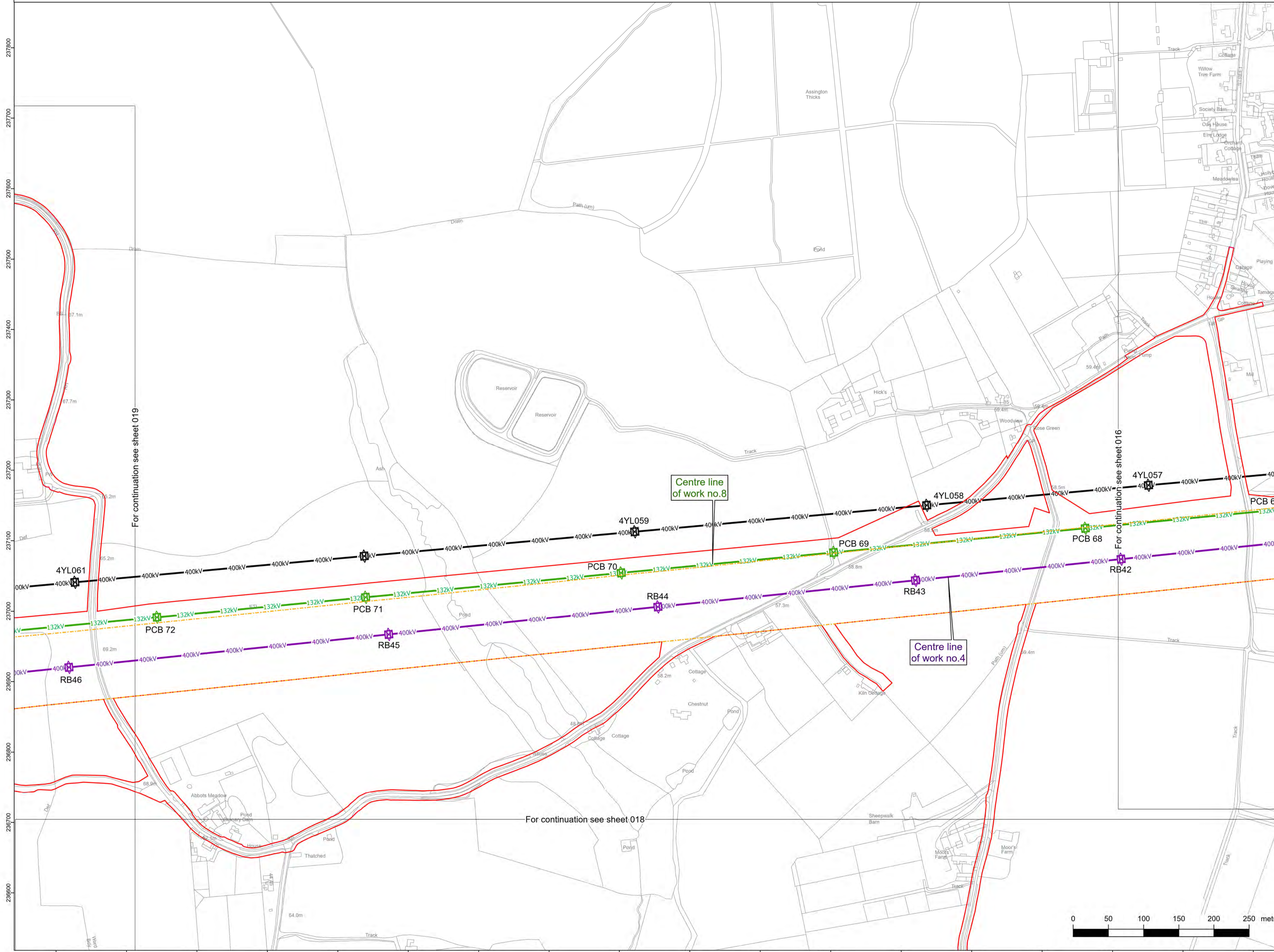
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SCALE: 1:2,500		ISSUE: A



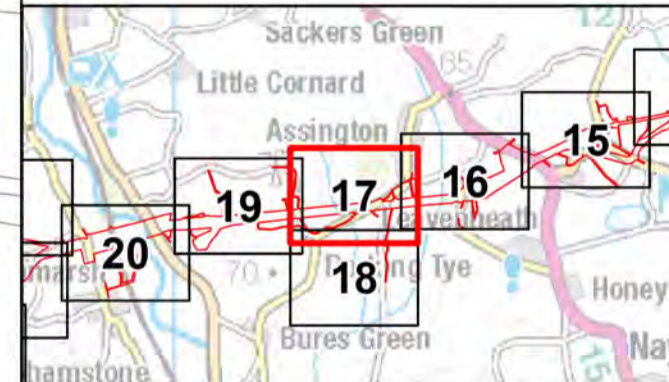




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  - 400kV Proposed 400kV overhead line
  - 132kV Existing 132kV overhead line
  - 132kV Proposed modification of 132kV overhead line
  - 132kV Proposed removal of 132kV overhead line
  - 400kV Proposed 400kV underground cables
  - 132kV Proposed 132kV underground cables
  - ▭ Existing substation

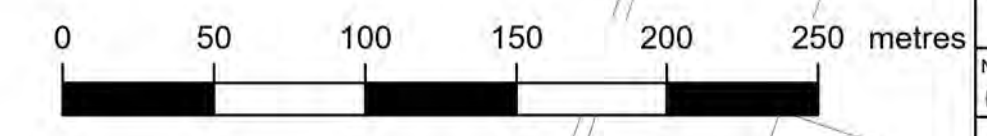


Reference should be made to Document 2.1 Guide to the Plans which provides further information on what the plans show.

NG Investment No. 21847					
A	17/02/2023	Rev A for DCO application	NP	DF	RF
ISSUE	DATE	REMARKS	DRAWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement

<b>nationalgrid</b>	
TITLE: Document 2.5 Work Plans	
CIRCUIT / SITE: Bramford – Pelham & Bramford – Braintree – Bulls Lodge	GIS
ORIGINATOR DRAWING NO. A1/WP/21847/017	A1
NG DRAWING No. BT-NG-020621-545-0008	SHEET NO. 17
SCALE: 1:2,500	NO. OF SHEETS 30
	ISSUE: A



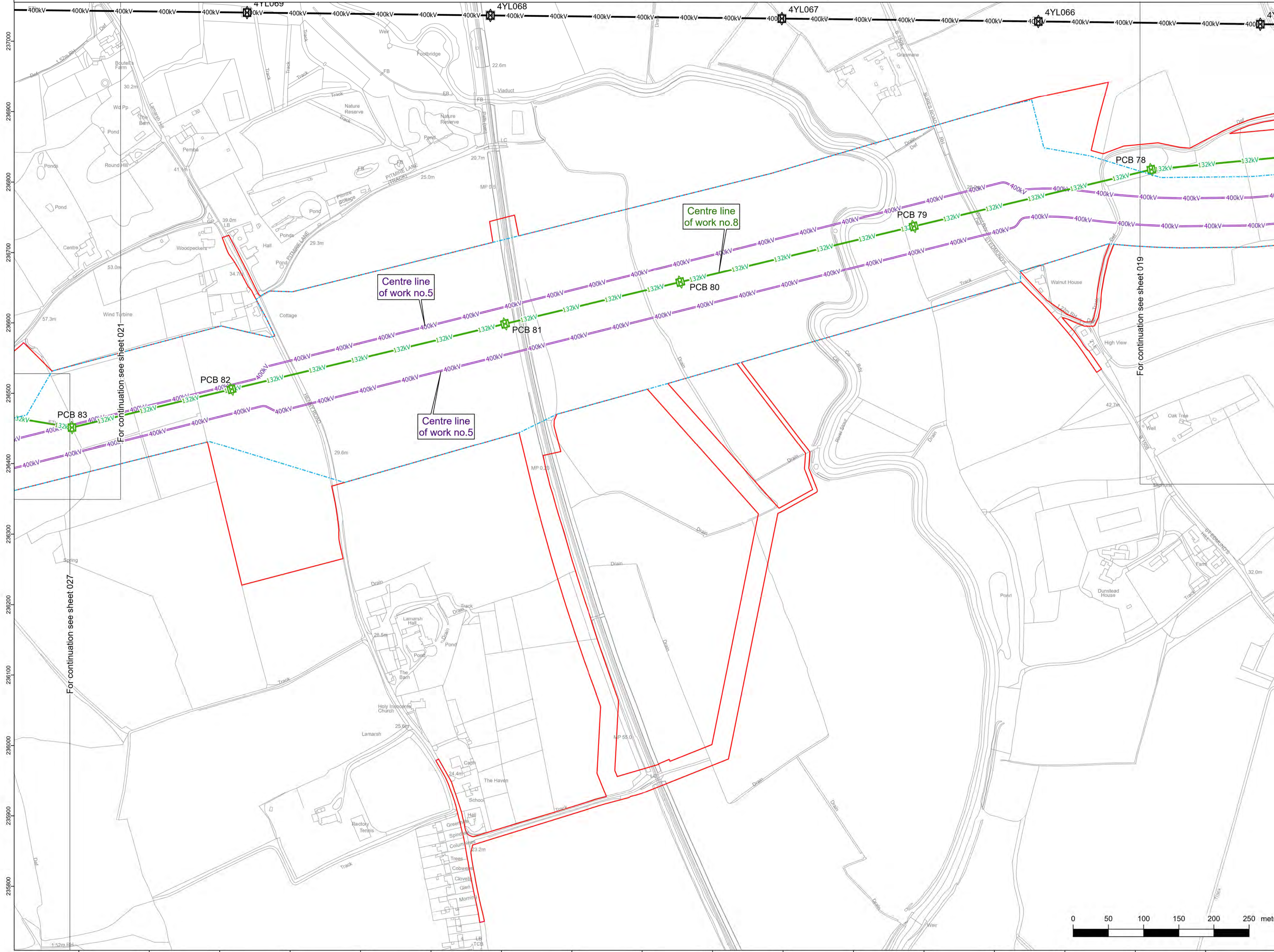




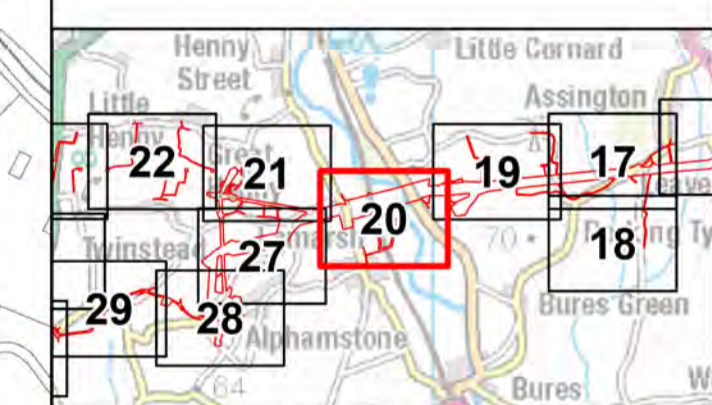








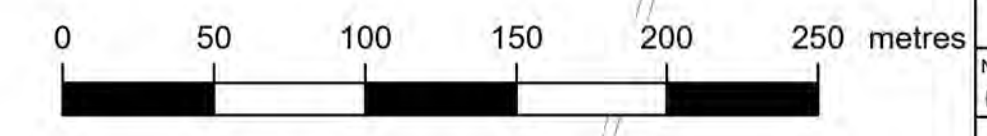
- ### Legend
- RB Proposed 400kV overhead line
  - 4YL Existing 400kV overhead line
  - 4YLA Existing 400kV overhead line
  - PCB Existing 132kV overhead line
  - Commencement of work
  - Termination of work
  - Commencement and termination of work
  - ▭ Order limits
  - ▭ Limits of deviation: overhead lines
  - ▭ Limits of deviation: underground cable
  - ▭ Limits of deviation: non-linear works
  - ⊕ Proposed pylon (not to scale)
  - ⊕ Existing pylon (not to scale)
  - ⊕ Proposed pylon modification works (not to scale)
  - ⊕ Proposed pylon realignment (not to scale)
  - ⊕ Proposed pylon removal (not to scale)
  - ⊕ Existing gantry (not to scale)
  - ⊕ Proposed gantry realignment (not to scale)
  - ⊕ Proposed gantry (not to scale)
  - ⊕ Proposed cable sealing end platform tower modification (not to scale)
  - ⊕ Proposed cable sealing end platform tower (not to scale)
  - 400kV Existing 400kV overhead line
  - 400kV Proposed modification to 400kV overhead line
  - 400kV Proposed realignment of existing 400kV overhead line
  - 400kV Proposed removal of 400kV overhead line
  - 400kV Proposed 400kV overhead line
  - 132kV Existing 132kV overhead line
  - 132kV Proposed modification of 132kV overhead line
  - 132kV Proposed removal of 132kV overhead line
  - 400kV Proposed 400kV underground cables
  - 132kV Proposed 132kV underground cables
  - ▭ Existing substation



Reference should be made to Document 2.1 Guide to the Plans which provides further information on what the plans show.

NG Investment No. 21847			
A	17/02/2023	Rev A for DCO application	NP DF RF
ISSUE	DATE	REMARKS	DRAWN/CHKD/APPD
PROJECT: Bramford to Twinstead Reinforcement			

<b>nationalgrid</b>	
Document 2.5 Work Plans	
CIRCUIT / SITE: Bramford – Pelham & Bramford – Braintree – Bulls Lodge	
GIS	
ORIGINATOR DRAWING NO. A1/WP/21847/020	
A1	
NG DRAWING No. BT-NG-020621-545-0008	ISSUE: 20
SHEET NO. 20	NO. OF SHEETS 30
SCALE: 1:2,500	
A	

















NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER  
 PINS APPLICATION NUMBER: EN020002  
 WORK PLANS  
 REGULATION 5(2)(j)  
 SHEET 24 OF 30  
 IN THE DISTRICT OF BRAINTREE DISTRICT COUNCIL

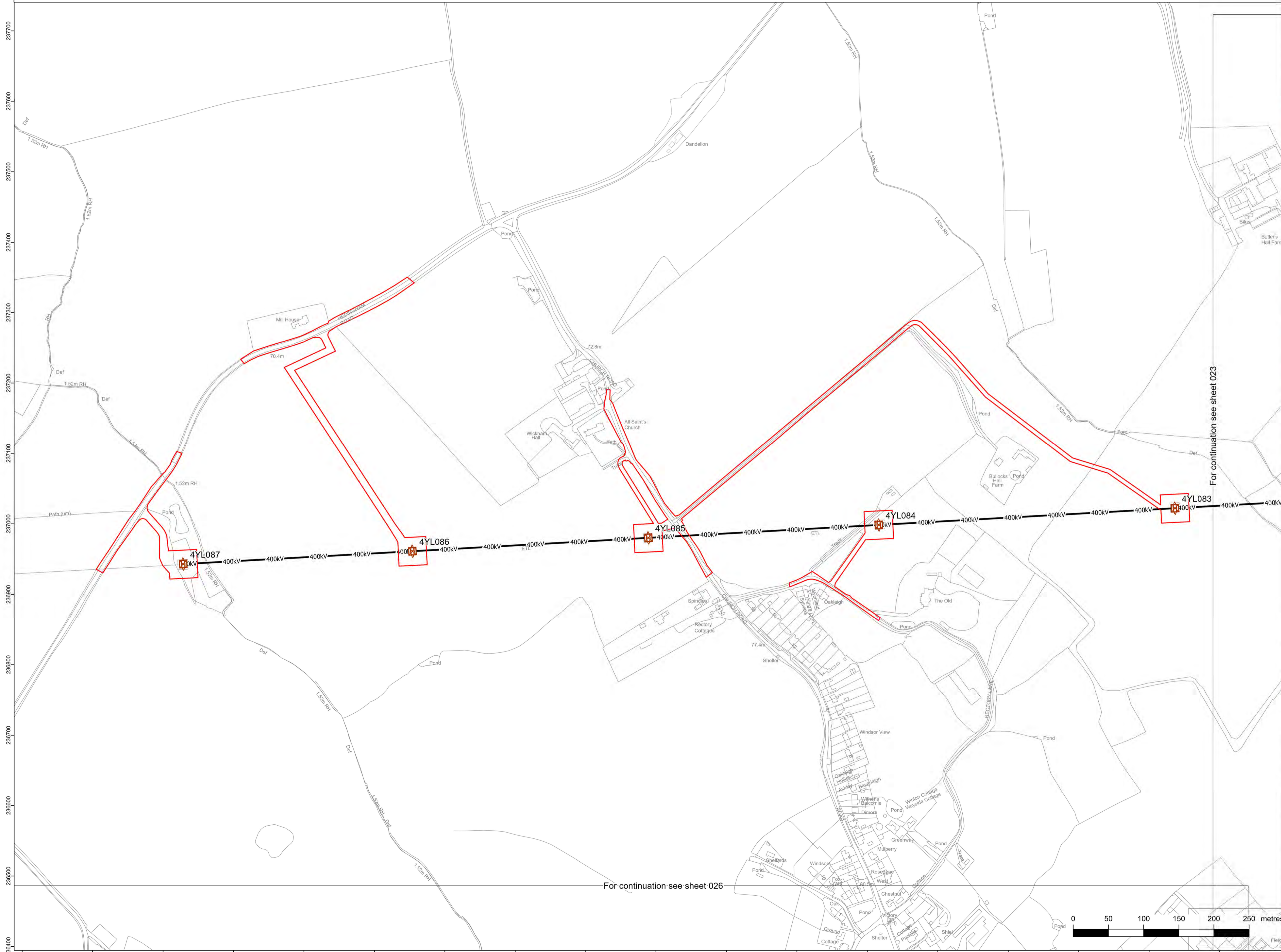


Application Document 2.5

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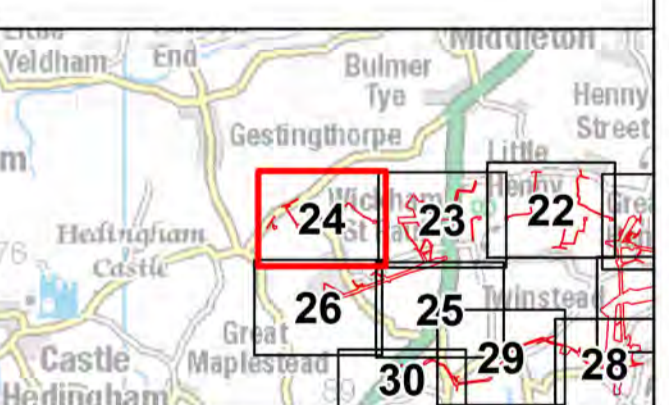
Legend

- RB Proposed 400kV overhead line
- 4YL Existing 400kV overhead line
- 4YLA Existing 400kV overhead line
- PCB Existing 132kV overhead line
- Commencement of work
- Termination of work
- Commencement and termination of work
- ▭ Order limits
- ▭ Limits of deviation: overhead lines
- ▭ Limits of deviation: underground cable
- ▭ Limits of deviation: non-linear works
- ⊕ Proposed pylon (not to scale)
- ⊕ Existing pylon (not to scale)
- ⊕ Proposed pylon modification works (not to scale)
- ⊕ Proposed pylon realignment (not to scale)
- ⊕ Proposed pylon removal (not to scale)
- ⊕ Existing gantry (not to scale)
- ⊕ Proposed gantry realignment (not to scale)
- ⊕ Proposed gantry (not to scale)
- ⊕ Proposed cable sealing end platform tower (not to scale)
- ⊕ Proposed cable sealing end platform tower modification (not to scale)
- 400kV Existing 400kV overhead line
- 400kV Proposed modification to 400kV overhead line
- 400kV Proposed realignment of existing 400kV overhead line
- 400kV Proposed removal of 400kV overhead line
- 400kV Proposed 400kV overhead line
- 132kV Existing 132kV overhead line
- 132kV Proposed modification of 132kV overhead line
- 132kV Proposed removal of 132kV overhead line
- 400kV Proposed 400kV underground cables
- 132kV Proposed 132kV underground cables
- ▭ Existing substation



For continuation see sheet 023

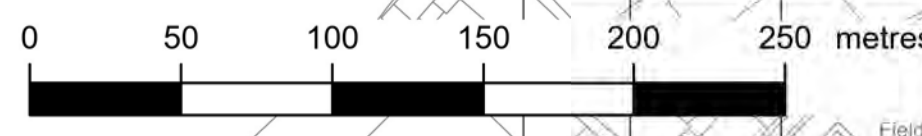
For continuation see sheet 026



Reference should be made to Document 2.1 Guide to the Plans which provides further information on what the plans show.

NG Investment No. 21847			
A	17/02/2023	Rev A for DCO application	NP DF RF
ISSUE	DATE	REMARKS	DRAWN/CHKD/APPD
PROJECT: Bramford to Twinstead Reinforcement			

<b>nationalgrid</b>	
Document 2.5 Work Plans	
CIRCUIT / SITE: Bramford – Pelham & Bramford – Braintree – Bulls Lodge	GIS
ORIGINATOR DRAWING NO. A1/WP/21847/024	A1
NG DRAWING No. BT-NG-020621-545-0008	SHEET NO. 24
SCALE: 1:2,500	NO. OF SHEETS 30
	ISSUE: A



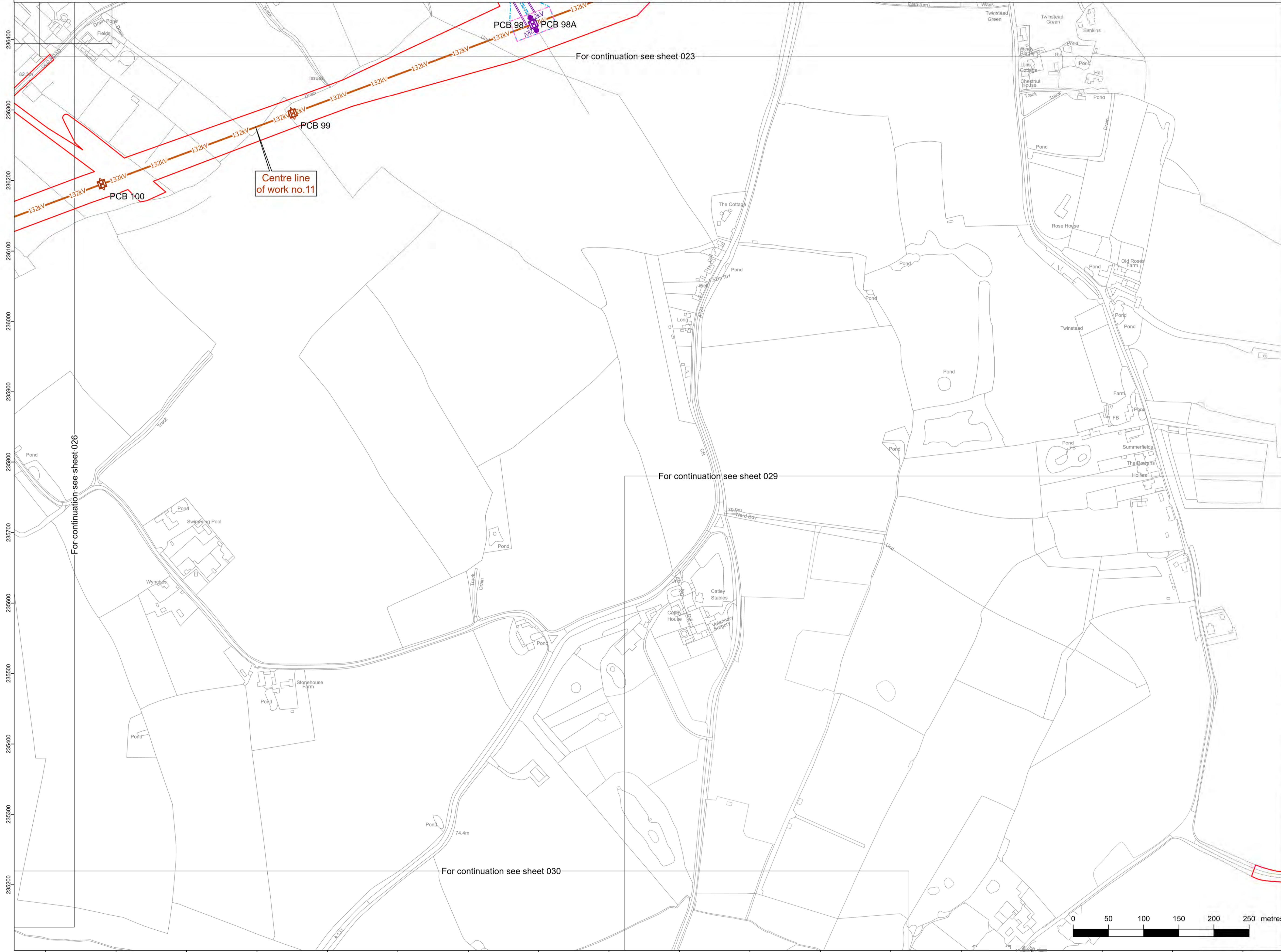


NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER  
 PINS APPLICATION NUMBER: EN020002  
 WORK PLANS  
 REGULATION 5(2)(j)  
 SHEET 25 OF 30  
 IN THE DISTRICT OF BRAINTREE DISTRICT COUNCIL

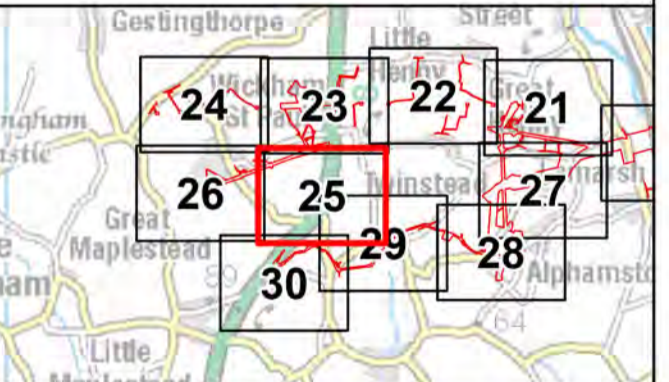


Application Document 2.5

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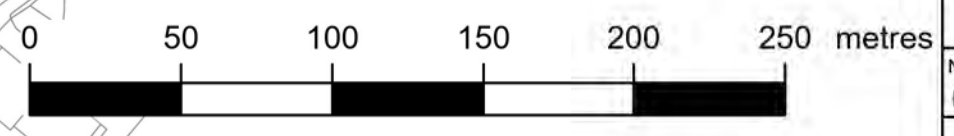
- Legend**
- RB Proposed 400kV overhead line
  - 4YL Existing 400kV overhead line
  - 4YLA Existing 400kV overhead line
  - PCB Existing 132kV overhead line
  - Commencement of work
  - Termination of work
  - Commencement and termination of work
  - ▭ Order limits
  - ▭ Limits of deviation: overhead lines
  - ▭ Limits of deviation: underground cable
  - ▭ Limits of deviation: non-linear works
  - ▭ Proposed pylon (not to scale)
  - ▭ Existing pylon (not to scale)
  - ▭ Proposed pylon modification works (not to scale)
  - ▭ Proposed pylon realignment (not to scale)
  - ▭ Proposed pylon removal (not to scale)
  - ▭ Existing gantry (not to scale)
  - ▭ Proposed gantry realignment (not to scale)
  - ▭ Proposed gantry (not to scale)
  - ▭ Proposed cable sealing end platform tower (not to scale)
  - ▭ Proposed cable sealing end platform tower modification (not to scale)
  - 400kV Existing 400kV overhead line
  - 400kV Proposed modification to 400kV overhead line
  - 400kV Proposed realignment of existing 400kV overhead line
  - 400kV Proposed removal of 400kV overhead line
  - 400kV Proposed 400kV overhead line
  - 132kV Existing 132kV overhead line
  - 132kV Proposed modification of 132kV overhead line
  - 132kV Proposed removal of 132kV overhead line
  - 400kV Proposed 400kV underground cables
  - 132kV Proposed 132kV underground cables
  - ▨ Existing substation



Reference should be made to Document 2.1 Guide to the Plans which provides further information on what the plans show.

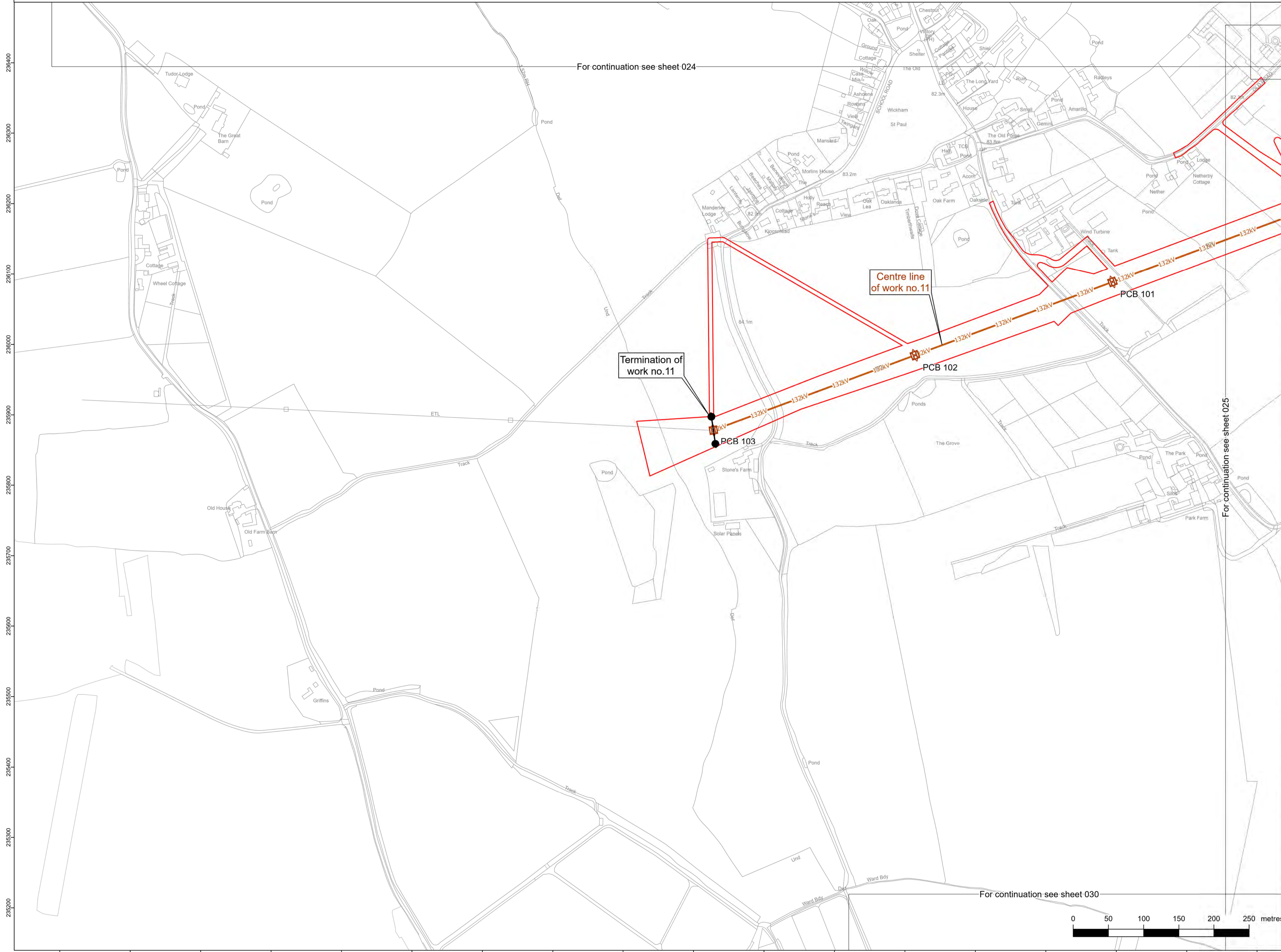
NG Investment No. 21847			
A	17/02/2023	Rev A for DCO application	NP DF RF
ISSUE	DATE	REMARKS	DRAWN/CHKD/APPD
PROJECT: Bramford to Twinstead Reinforcement			

<b>nationalgrid</b>	
Document 2.5 Work Plans	
CIRCUIT / SITE: Bramford – Pelham & Bramford – Braintree – Bulls Lodge	GIS
ORIGINATOR DRAWING NO. A1/WP/21847/025	A1
NG DRAWING No. BT-NG-020621-545-0008	SHEET NO. 25
SCALE: 1:2,500	NO. OF SHEETS 30
	ISSUE: A

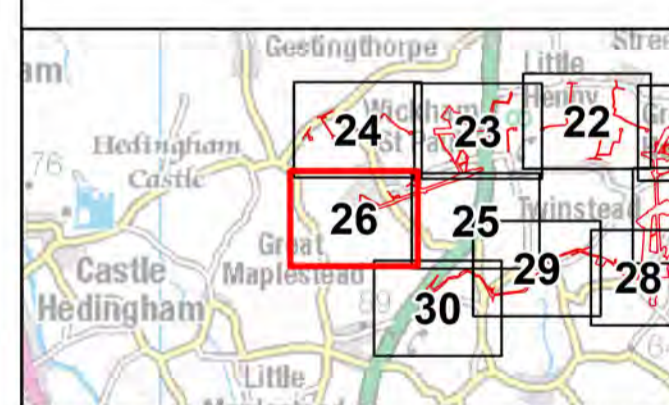




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- Legend**
- RB Proposed 400kV overhead line
  - 4YL Existing 400kV overhead line
  - 4YLA Existing 400kV overhead line
  - PCB Existing 132kV overhead line
  - Commencement of work
  - Termination of work
  - Commencement and termination of work
  - ▭ Order limits
  - ▭ Limits of deviation: overhead lines
  - ▭ Limits of deviation: underground cable
  - ▭ Limits of deviation: non-linear works
  - ⊕ Proposed pylon (not to scale)
  - ⊖ Existing pylon (not to scale)
  - ⊕ Proposed pylon modification works (not to scale)
  - ⊖ Proposed pylon realignment (not to scale)
  - ⊕ Proposed pylon removal (not to scale)
  - ⊖ Existing gantry (not to scale)
  - ⊖ Proposed gantry realignment (not to scale)
  - ⊕ Proposed gantry (not to scale)
  - ⊕ Proposed cable sealing end platform tower (not to scale)
  - ⊖ Proposed cable sealing end platform tower modification (not to scale)
  - 400kV Existing 400kV overhead line
  - 400kV Proposed modification to 400kV overhead line
  - 400kV Proposed realignment of existing 400kV overhead line
  - 400kV Proposed removal of 400kV overhead line
  - 400kV Proposed 400kV overhead line
  - 132kV Existing 132kV overhead line
  - 132kV Proposed modification of 132kV overhead line
  - 132kV Proposed removal of 132kV overhead line
  - 400kV Proposed 400kV underground cables
  - 132kV Proposed 132kV underground cables
  - ▭ Existing substation



Reference should be made to Document 2.1 Guide to the Plans which provides further information on what the plans show.

NG Investment No. 21847				
A	17/02/2023	Rev A for DCO application	NP	DF
ISSUE	DATE	REMARKS	DRAWN	CHKD
PROJECT:	Bramford to Twinstead Reinforcement			

**nationalgrid**

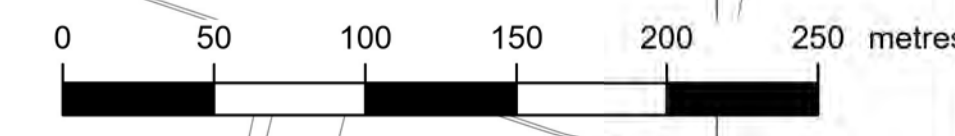
TITLE: Document 2.5 Work Plans

CIRCUIT / SITE: Bramford – Pelham & Bramford – Braintree – Bulls Lodge GIS

ORIGINATOR DRAWING NO. A1/WP/21847/026 A1

NG DRAWING No. BT-NG-020621-545-0008	SHEET NO. 26	NO. OF SHEETS 30	ISSUE: A
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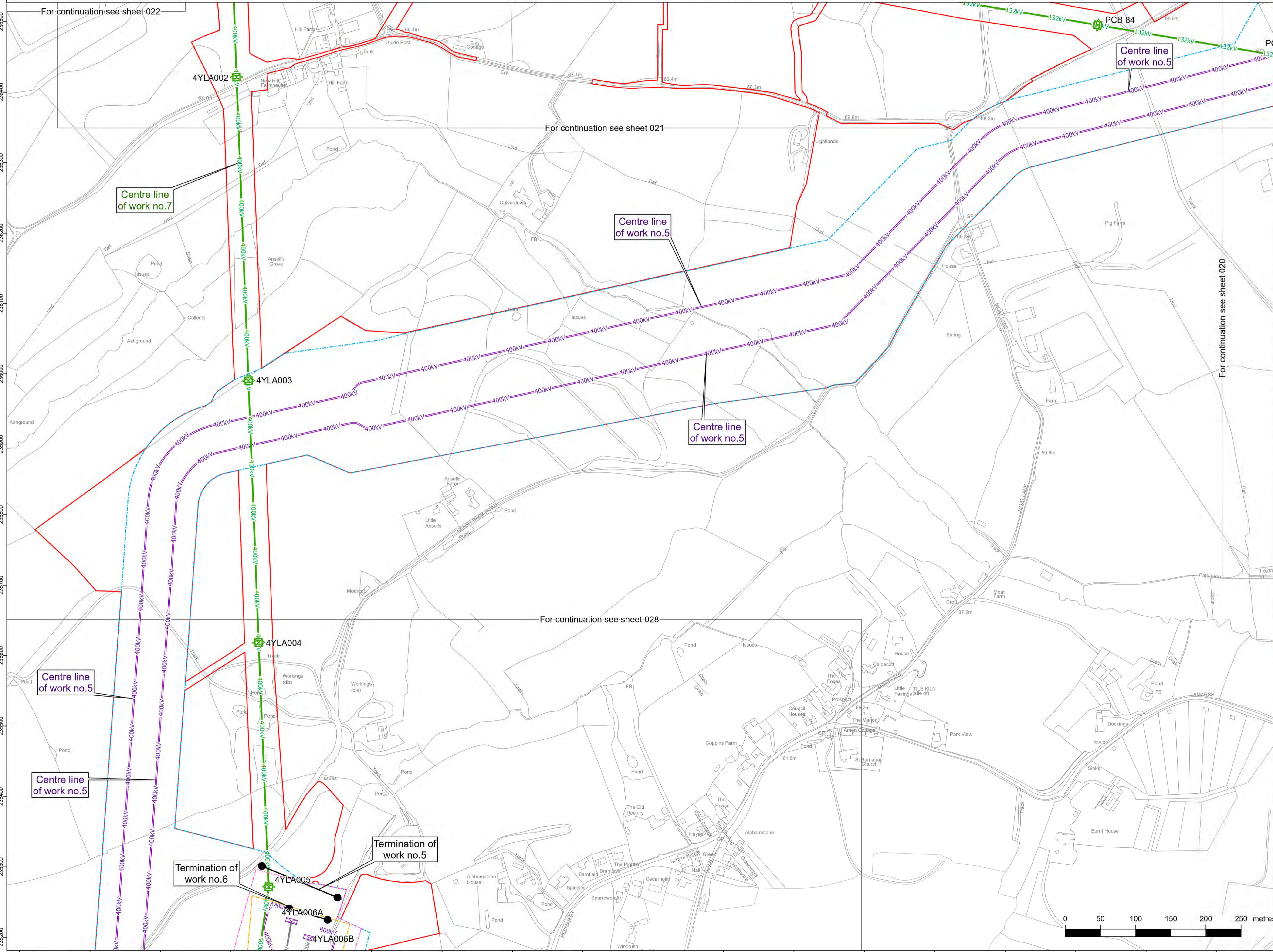
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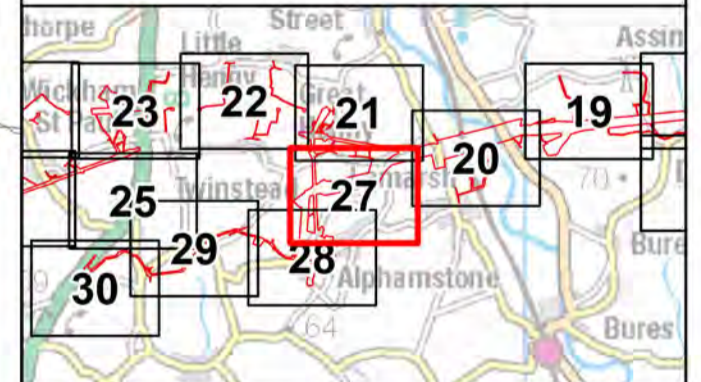


NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER  
 PINS APPLICATION NUMBER: EN020002  
 WORK PLANS  
 REGULATION 5(2)(j)  
 SHEET 27 OF 30  
 IN THE DISTRICT OF BRAINTREE DISTRICT COUNCIL

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- Legend**
- RB Proposed 400kV overhead line
  - 4YL Existing 400kV overhead line
  - 4YLA Existing 400kV overhead line
  - PCB Existing 132kV overhead line
  - Commencement of work
  - Termination of work
  - Commencement and termination of work
  - Order limits
  - Limits of deviation: overhead lines
  - Limits of deviation: underground cable
  - Limits of deviation: non-linear works
  - Proposed pylon (not to scale)
  - Existing pylon (not to scale)
  - Proposed pylon modification works (not to scale)
  - Proposed pylon realignment (not to scale)
  - Proposed pylon removal (not to scale)
  - Existing gantry (not to scale)
  - Proposed gantry realignment (not to scale)
  - Proposed gantry (not to scale)
  - Proposed cable sealing end platform tower modification (not to scale)
  - Proposed cable sealing end platform tower (not to scale)
  - 400kV Existing 400kV overhead line
  - 400kV Proposed modification to 400kV overhead line
  - 400kV Proposed realignment of existing 400kV overhead line
  - 400kV Proposed removal of 400kV overhead line
  - 400kV Proposed 400kV overhead line
  - 132kV Existing 132kV overhead line
  - 132kV Proposed modification of 132kV overhead line
  - 132kV Proposed removal of 132kV overhead line
  - 400kV Proposed 400kV underground cables
  - 132kV Proposed 132kV underground cables
  - Existing substation



Reference should be made to Document 2.1 Guide to the Plans which provides further information on what the plans show.

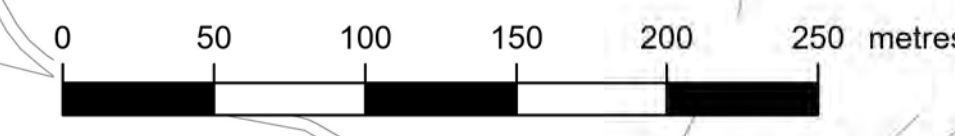
NG Investment No. 21847			
A	17/02/2023	Rev A for DCO application	NP DF RF
ISSUE	DATE	REMARKS	DRAWN/CHKD/APPD

PROJECT: **Bramford to Twinstead Reinforcement**

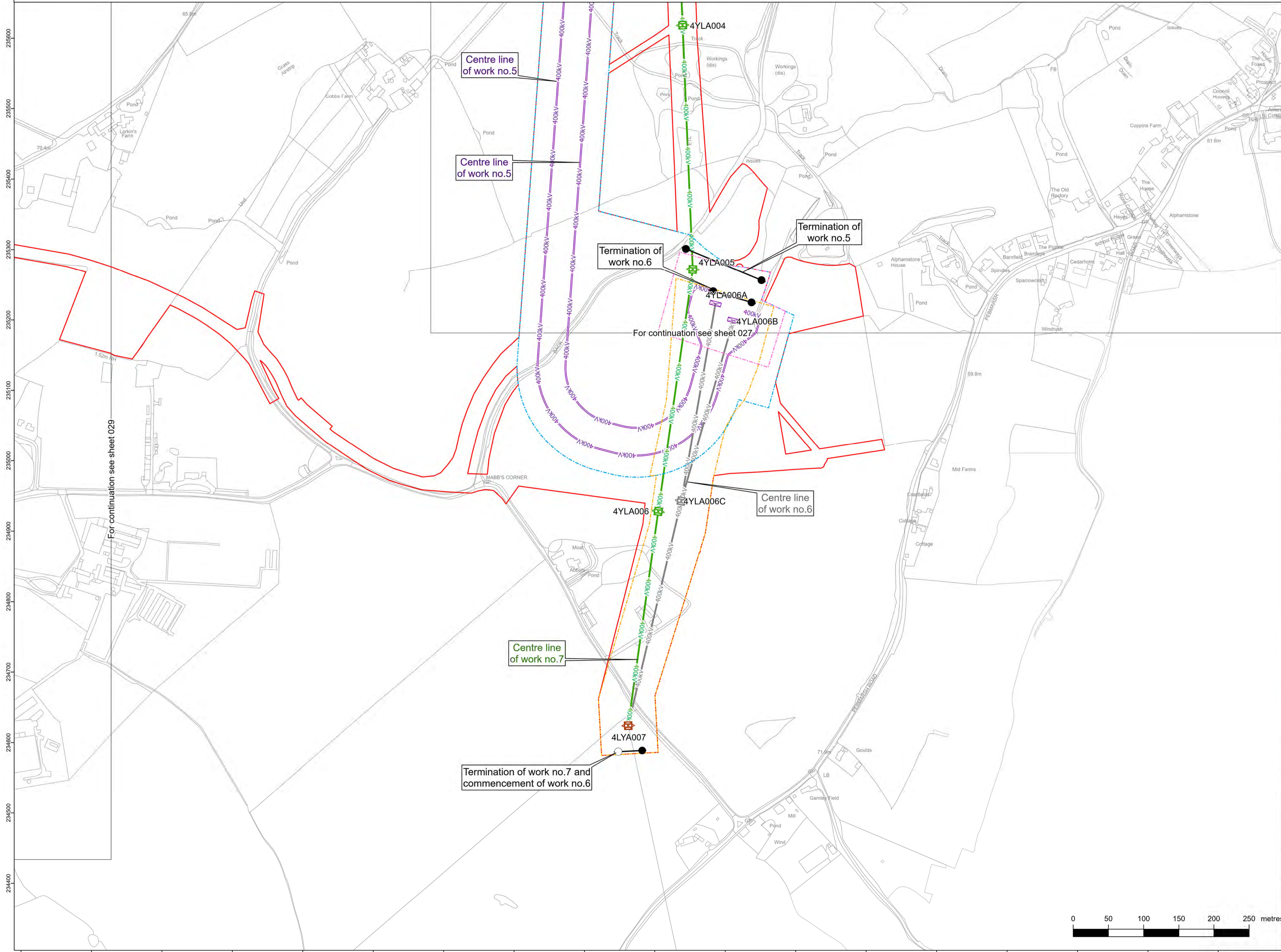
**nationalgrid**

TITLE: **Document 2.5 Work Plans**

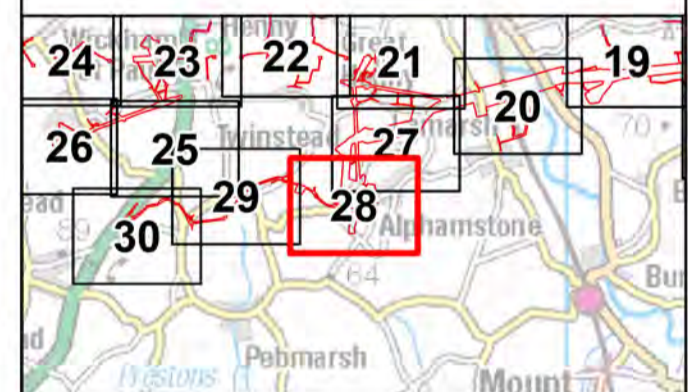
CIRCUIT / SITE: <b>Bramford – Pelham &amp; Bramford – Braintree – Bulls Lodge</b>	GIS
ORIGINATOR DRAWING NO. <b>A1/WP/21847/027</b>	A1
NG DRAWING No. <b>BT-NG-020621-545-0008</b>	ISSUE: <b>A</b>
SHEET NO. <b>27</b>	NO. OF SHEETS <b>30</b>
SCALE: 1:2,500	







- Legend**
- RB Proposed 400kV overhead line
  - 4YL Existing 400kV overhead line
  - 4YLA Existing 400kV overhead line
  - PCB Existing 132kV overhead line
  - Commencement of work
  - Termination of work
  - Commencement and termination of work
  - ▭ Order limits
  - ▭ Limits of deviation: overhead lines
  - ▭ Limits of deviation: underground cable
  - ▭ Limits of deviation: non-linear works
  - ⊕ Proposed pylon (not to scale)
  - ⊕ Existing pylon (not to scale)
  - ⊕ Proposed pylon modification works (not to scale)
  - ⊕ Proposed pylon realignment (not to scale)
  - ⊕ Proposed pylon removal (not to scale)
  - ⊕ Existing gantry (not to scale)
  - ⊕ Proposed gantry realignment (not to scale)
  - ⊕ Proposed gantry (not to scale)
  - ⊕ Proposed cable sealing end platform tower modification (not to scale)
  - ⊕ Proposed cable sealing end platform tower modification (not to scale)
  - 400kV Existing 400kV overhead line
  - 400kV Proposed modification to 400kV overhead line
  - 400kV Proposed realignment of existing 400kV overhead line
  - 400kV Proposed removal of 400kV overhead line
  - 400kV Proposed 400kV overhead line
  - 132kV Existing 132kV overhead line
  - 132kV Proposed modification of 132kV overhead line
  - 132kV Proposed removal of 132kV overhead line
  - 400kV Proposed 400kV underground cables
  - 132kV Proposed 132kV underground cables
  - ▭ Existing substation



Reference should be made to Document 2.1 Guide to the Plans which provides further information on what the plans show.

NG Investment No. 21847			
A	17/02/2023	Rev A for DCO application	NP DF RF
ISSUE	DATE	REMARKS	DRAWN/CHKD/APPD
PROJECT: Bramford to Twinstead Reinforcement			

**nationalgrid**

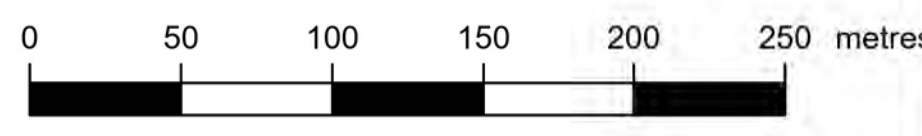
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CIRCUIT / SITE: Bramford – Pelham & Bramford – Braintree – Bulls Lodge GIS

ORIGINATOR DRAWING NO. A1/WP/21847/028 A1

NG DRAWING No. BT-NG-020621-545-0008	SHEET NO. 28	NO. OF SHEETS 30	ISSUE: A
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SCALE: 1:2,500



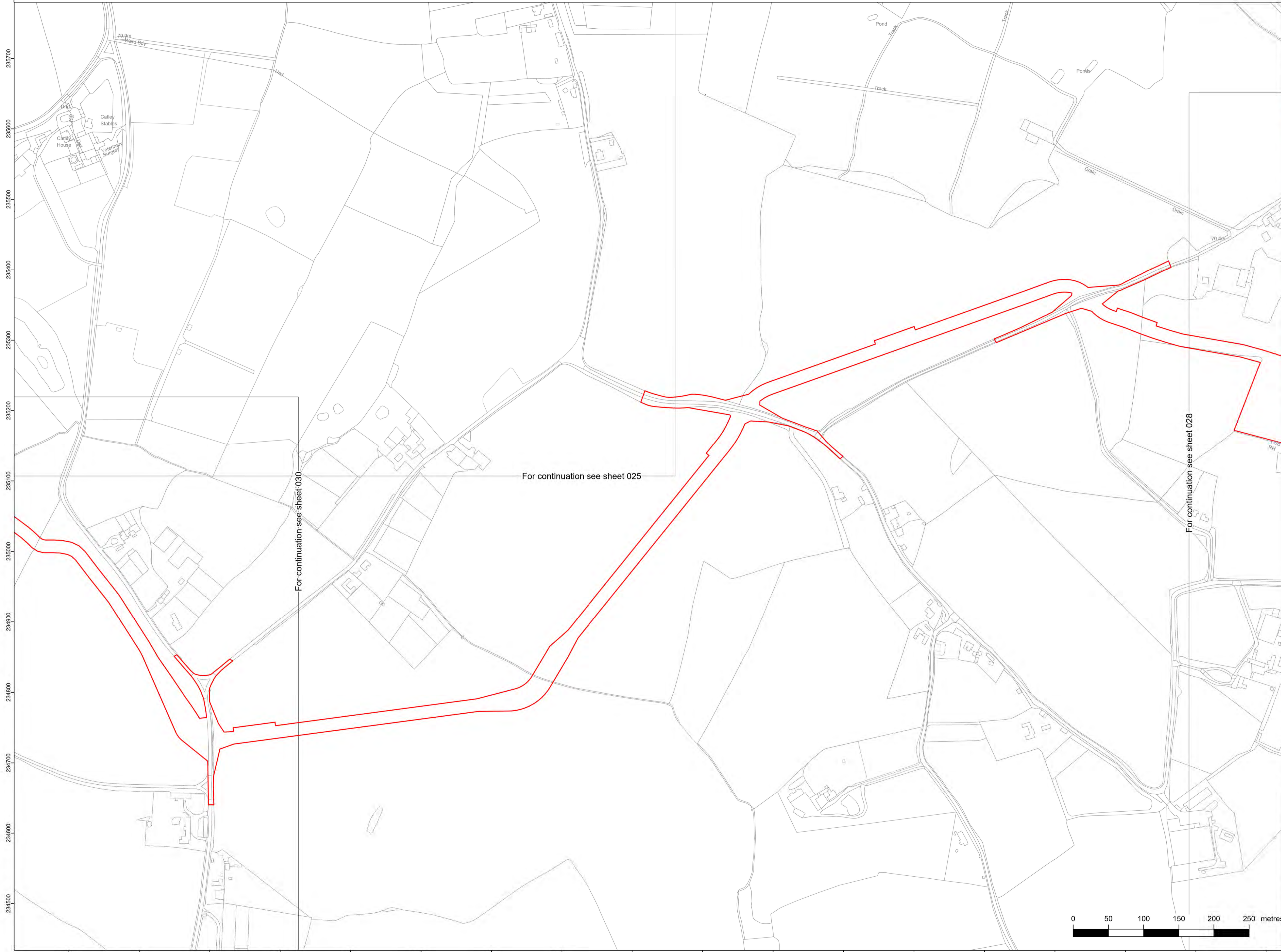


NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER  
 PINS APPLICATION NUMBER: EN020002  
 WORK PLANS  
 REGULATION 5(2)(j)  
 SHEET 29 OF 30  
 IN THE DISTRICT OF BRAINTREE DISTRICT COUNCIL

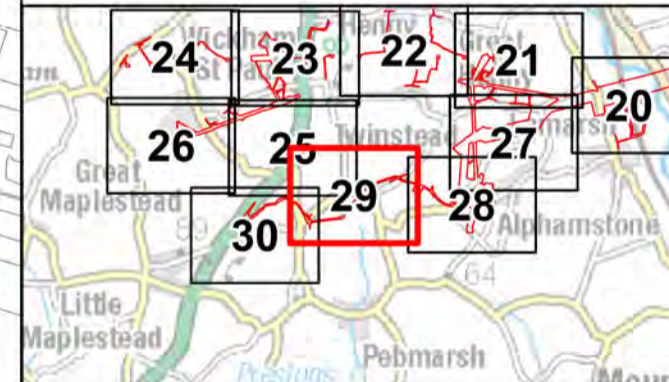


Application Document 2.5

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- Legend**
- RB Proposed 400kV overhead line
  - 4YL Existing 400kV overhead line
  - 4YLA Existing 400kV overhead line
  - PCB Existing 132kV overhead line
  - Commencement of work
  - Termination of work
  - Commencement and termination of work
  - ▭ Order limits
  - ▭ Limits of deviation: overhead lines
  - ▭ Limits of deviation: underground cable
  - ▭ Limits of deviation: non-linear works
  - ⊕ Proposed pylon (not to scale)
  - ⊕ Existing pylon (not to scale)
  - ⊕ Proposed pylon modification works (not to scale)
  - ⊕ Proposed pylon realignment (not to scale)
  - ⊕ Proposed pylon removal (not to scale)
  - ⊕ Existing gantry (not to scale)
  - ⊕ Proposed gantry realignment (not to scale)
  - ⊕ Proposed gantry (not to scale)
  - ⊕ Proposed cable sealing end platform tower (not to scale)
  - ⊕ Proposed cable sealing end platform tower modification (not to scale)
  - 400kV Existing 400kV overhead line
  - 400kV Proposed modification to 400kV overhead line
  - 400kV Proposed realignment of existing 400kV overhead line
  - 400kV Proposed removal of 400kV overhead line
  - 400kV Proposed 400kV overhead line
  - 132kV Existing 132kV overhead line
  - 132kV Proposed modification of 132kV overhead line
  - 132kV Proposed removal of 132kV overhead line
  - 400kV Proposed 400kV underground cables
  - 132kV Proposed 132kV underground cables
  - ▭ Existing substation



Reference should be made to Document 2.1 Guide to the Plans which provides further information on what the plans show.

NG Investment No. 21847

ISSUE	DATE	REMARKS	DRAWN	CHKD	APPD
A	17/02/2023	Rev A for DCO application	NP	DF	RF

PROJECT: **Bramford to Twinstead Reinforcement**

**nationalgrid**

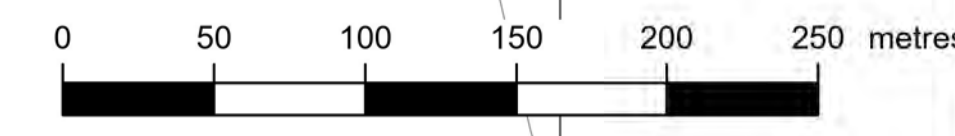
TITLE: Document 2.5 Work Plans

CIRCUIT / SITE: Bramford – Pelham & Bramford – Braintree – Bulls Lodge GIS

ORIGINATOR DRAWING NO. A1/WP/21847/029 A1

NG DRAWING No. BT-NG-020621-545-0008	SHEET NO. 29	NO. OF SHEETS 30	ISSUE: A
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SCALE: 1:2,500



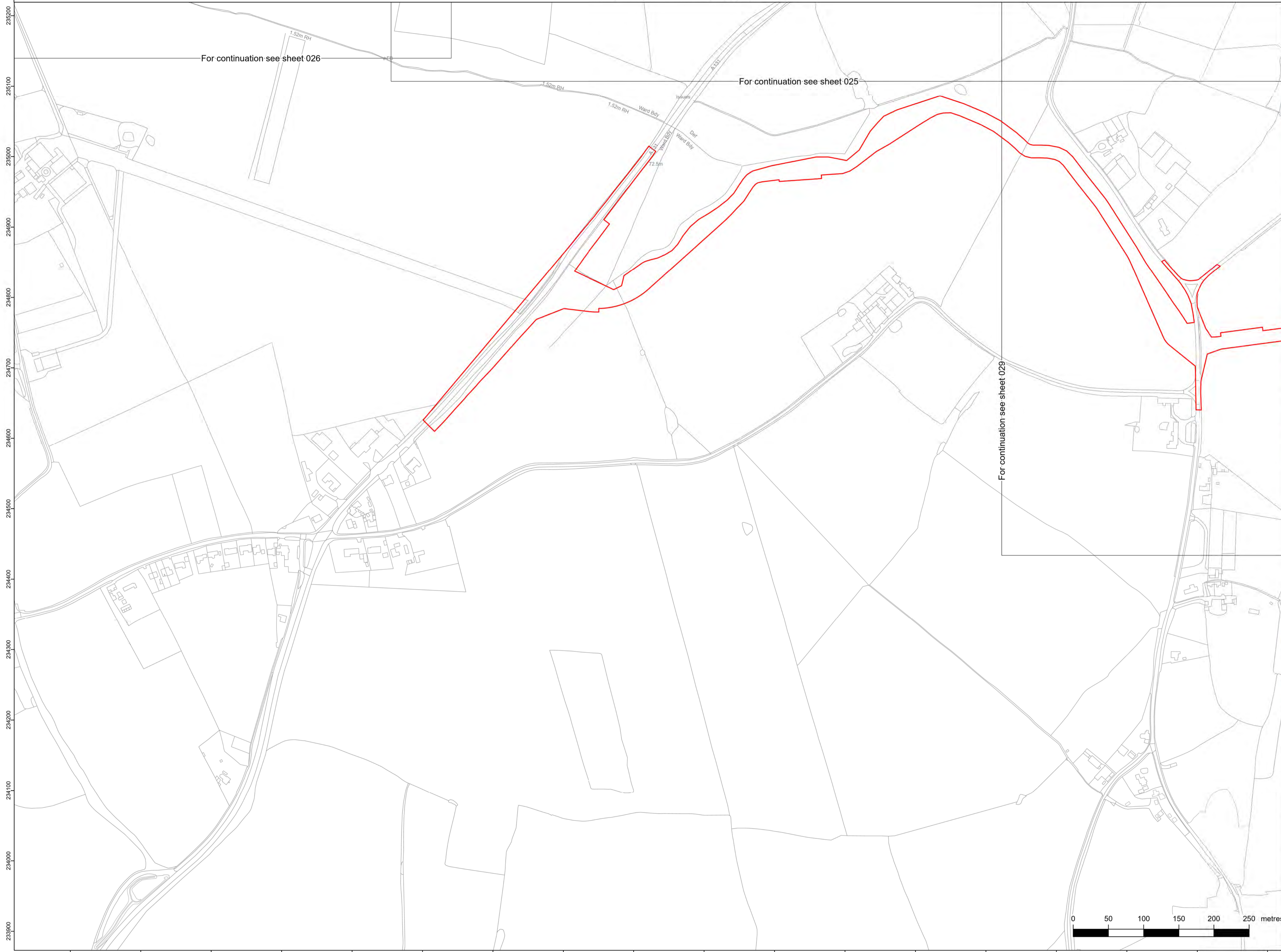


NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER  
 PINS APPLICATION NUMBER: EN020002  
 WORK PLANS  
 REGULATION 5(2)(j)  
 SHEET 30 OF 30  
 IN THE DISTRICT OF BRAINTREE DISTRICT COUNCIL

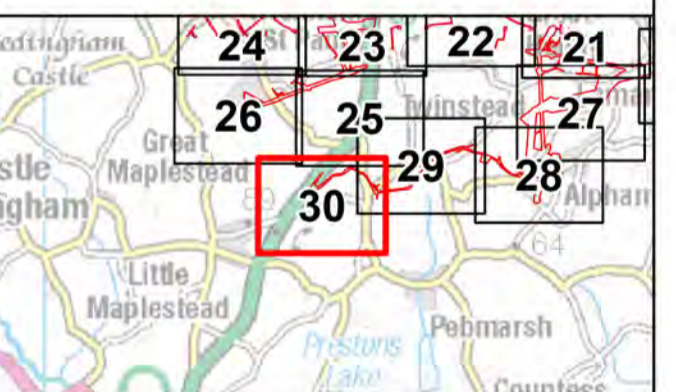


Application Document 2.5

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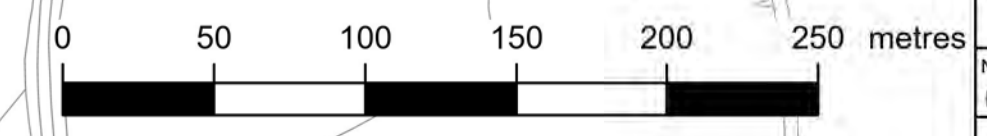
- Legend**
- RB Proposed 400kV overhead line
  - 4YL Existing 400kV overhead line
  - 4YLA Existing 400kV overhead line
  - PCB Existing 132kV overhead line
  - Commencement of work
  - Termination of work
  - Commencement and termination of work
  - ▭ Order limits
  - ▭ Limits of deviation: overhead lines
  - ▭ Limits of deviation: underground cable
  - ▭ Limits of deviation: non-linear works
  - ⊕ Proposed pylon (not to scale)
  - ⊕ Existing pylon (not to scale)
  - ⊕ Proposed pylon modification works (not to scale)
  - ⊕ Proposed pylon realignment (not to scale)
  - ⊕ Proposed pylon removal (not to scale)
  - ⊕ Existing gantry (not to scale)
  - ⊕ Proposed gantry realignment (not to scale)
  - ⊕ Proposed gantry (not to scale)
  - ⊕ Proposed cable sealing end platform tower (not to scale)
  - ⊕ Proposed cable sealing end platform tower modification (not to scale)
  - 400kV Existing 400kV overhead line
  - 400kV Proposed modification to 400kV overhead line
  - 400kV Proposed realignment of existing 400kV overhead line
  - 400kV Proposed removal of 400kV overhead line
  - 400kV Proposed 400kV overhead line
  - 132kV Existing 132kV overhead line
  - 132kV Proposed modification of 132kV overhead line
  - 132kV Proposed removal of 132kV overhead line
  - 400kV Proposed 400kV underground cables
  - 132kV Proposed 132kV underground cables
  - ▭ Existing substation



Reference should be made to Document 2.1 Guide to the Plans which provides further information on what the plans show.

NG Investment No. 21847			
A	17/02/2023	Rev A for DCO application	NP DF RF
ISSUE	DATE	REMARKS	DRAWN/CHKD/APPD
PROJECT: Bramford to Twinstead Reinforcement			

<b>nationalgrid</b>	
TITLE: Document 2.5 Work Plans	
CIRCUIT / SITE: Bramford – Pelham & Bramford – Braintree – Bulls Lodge	GIS
ORIGINATOR DRAWING NO. A1/WP/21847/030	A1
NG DRAWING No. BT-NG-020621-545-0008	NO. OF SHEETS: 30
SCALE: 1:2,500	ISSUE: A





**Legend**

RB	Proposed 400kV overhead line
4YL	Existing 400kV overhead line
4YLA	Existing 400kV overhead line
PCB	Existing 132kV overhead line

**RB Overhead Line Route Pylon Information**

Structure Number	X Easting (m)	Y Northing (m)	Ground Level (m)	Structure Description	Structure Height (m)
RB1A	609632.45	245803.20	54.68	GANTRY	14.93
RB1B	609641.85	245780.43	53.01	GANTRY	14.93
RB1C	609596.23	245758.31	52.71	L12 DT STD	49.00
RB2	609461.63	245373.55	50.07	L6M D E3	53.09
RB3	609357.12	245074.81	49.13	L6M D60 E3	53.38
RB4	609060.13	244848.97	40.53	L6M D E3	53.09
RB5	608703.22	244577.56	29.74	L6M D30 E3	51.64
RB6	608410.12	244392.84	46.01	L6M D E6	56.13
RB7	608184.69	244250.76	51.45	L6M D E3	53.09
RB8	607887.61	244063.52	54.36	L6M D E9	59.18
RB9	607583.40	243871.79	52.39	L6M D E6	56.13
RB10	607285.77	243684.21	56.73	L6M D STD	50.04
RB11	607007.91	243509.09	56.81	L6M D30 STD	48.59
RB12	606896.52	243267.99	58.83	L6 BB D E10'	53.09
RB13	606749.02	242940.75	58.83	L6 BB D E10'	56.13
RB14	606580.80	242567.31	60.69	L6 BB D E10'	53.09
RB15	606421.49	242214.09	59.04	L6 BB D E20'	56.13
RB16	606275.15	241894.10	58.65	L6 BB D60 STD	50.33
RB17	605975.00	241693.80	58.60	L6M D30 E3	51.64
RB18	605629.06	241540.23	57.19	L6M D E12	62.23
RB19	605290.63	241376.69	51.31	L6M D E3	53.09
RB20	604947.63	241223.02	47.56	L6M D30 STD	48.59
RB21	604616.54	241166.06	30.34	L6M D M3	46.99
RB22	604281.80	241108.47	38.71	L6M D E3	53.09
RB23	603936.67	241049.10	50.03	L6M D E3	53.09
RB24	603664.59	241002.29	44.13	L6M D STD	50.04
RB25	603394.38	240955.80	26.34	L6M D30 STD	48.59
RB26	603019.84	240812.18	17.60	L6M D30 E3	51.64
RB27	602643.81	240667.68	33.25	L6M D E3	53.09
RB28	602259.74	240520.25	48.10	L6M D E9	59.18
RB29	601874.02	240371.50	44.93	L6M D30 E6	54.69
RB30	601542.33	240196.55	47.63	L6M D30 E3	51.64
RB31	601216.67	240068.01	52.23	L6M D E3	53.09
RB32	600956.81	239965.74	57.49	L6M D STD	50.04
RB33	600664.46	239850.66	58.82	L6M D STD	50.04
RB34A	600364.92	239733.03	64.98	L6M D30 E6	54.69
RB34B	600095.51	239641.81	68.44	400kV Gantry (R)	14.72
RB34C	600106.00	239615.42	68.07	400kV Gantry (L)	14.72
RB35A	595669.76	237976.57	60.92	400kV Gantry (R) (34)	14.72
RB35C	595423.25	237847.48	63.15	L6M D30 E3	51.64
RB35B	595681.28	237950.61	61.32	400kV Gantry (L) (34)	14.72
RB36	595107.33	237694.31	64.16	L6M D E9	59.18
RB37	594844.42	237571.79	64.85	L6M D E3	53.09
RB38	594548.66	237433.97	65.31	L6M D STD	50.04
RB39	594262.43	237300.59	64.72	L6M D E3	53.09
RB40	593935.77	237148.36	61.30	L6M D30 E9	57.74
RB41	593503.15	237103.84	52.14	L6M D E3	53.09
RB42	593212.10	237073.89	58.29	L6M D M3	46.99
RB43	592920.30	237043.86	58.20	L6M D E9	59.18
RB44	592554.72	237006.24	59.06	L6M D E6	56.13
RB45	592172.27	236966.89	59.95	L6M D E9	59.18
RB46	591718.24	236920.17	69.96	L6M D E12	62.23
RB47	591237.44	236870.69	72.13	L6M D E12	62.23
RB48A	590823.60	236828.10	56.85	L6M D30 E9	57.74
RB48C	590661.32	236784.61	54.96	400kV Gantry (L) (49)	14.72
RB48B	590651.93	236811.42	56.85	400kV Gantry (R) (49)	14.72

**4YL Overhead Line Route Pylon Information**

Structure Number	X Easting (m)	Y Northing (m)	Ground Level (m)	Structure Description	Structure Height (m)
4YL003A	609602.78	245877.49	55.77	GANTRY	14.93
4YL003B	609611.73	245854.22	58.86	GANTRY	14.93
4YL003C	609556.85	245815.61	53.94	L12 DJ E6	55.00
4YL004A	609162.73	245621.51	52.81	L6 BB D60 E10	53.38
4YL012A	607097.93	243667.86	58.06	L6 BB D30 E20'	48.59
4YL012B	606784.55	243606.81	59.91	L6 BB D30 STD	48.59
4YL013A	606429.14	243448.38	63.38	L6 D E9	59.18
4YL014A	606071.09	243288.80	63.39	L6 D60 E6	56.43
4YL015A	606027.75	242906.85	57.56	L6 D E10'	53.09
4YL016A	605985.12	242531.16	59.72	L6 D E3	53.09
4YL017A	605942.32	242154.00	59.59	L6 D E12	62.23
4YL018A	605901.79	241796.88	58.23	L6 BB D60 STD	50.33
4YL081A	584231.36	237061.20	81.43	L12 DT E6	50.00

**4YLA Overhead Line Route Pylon Information**

Structure Number	X Easting (m)	Y Northing (m)	Ground Level (m)	Structure Description	Structure Height (m)
4YLA6A	587088.35	235232.35	64.71	LFT GANTRY	14.72
4YLA6B	587114.19	235208.50	62.01	FLT GANTRY	14.72
4YLA6C	587037.67	234942.72	69.32	L6 D30 E9	54.69

**PCB Overhead Line Route Pylon Information**

Structure Number	X Easting (m)	Y Northing (m)	Ground Level (m)	Structure Description	Structure Height (m)
PCB098A	584293.96	236422.74	80.77	L4M DT E3	29.30

**Non-linear Works Information - Grid Supply Point Substation**

Location	Structure Description (Indicative)	Structure Height (m) (from finished ground level)
WITHIN NON-LINEAR WORKS LIMIT OF DEVIATION	GANTRIES	12.64
WITHIN NON-LINEAR WORKS LIMIT OF DEVIATION	SUPER GRID TRANSFORMERS	10.92
WITHIN NON-LINEAR WORKS LIMIT OF DEVIATION	SWITCHGEAR	10.92
WITHIN NON-LINEAR WORKS LIMIT OF DEVIATION	BUILDINGS	4.20

**Non-linear Works Information - Cable Sealing End Compounds**

Location	Structure Description (Indicative)	Structure Height (m) (from finished ground level)
WITHIN NON-LINEAR WORKS LIMIT OF DEVIATION	GANTRIES	14.73
WITHIN NON-LINEAR WORKS LIMIT OF DEVIATION	SWITCHGEAR	11.75



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NG Investment No. 21847

A	17/02/2023	Rev A for DCO application	NP	DF	RF
ISSUE	DATE	REMARKS	DRAWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**



TITLE: **Document 2.5 Work Plans**

CIRCUIT / SITE: **Bramford – Pelham & Bramford – Braintree – Bulls Lodge** GIS

ORIGINATOR DRAWING NO. **A1/WP/21847** A1

NG DRAWING No.	SHEET NO.	NO. OF SHEETS	ISSUE:
BT-NG-020621-545-0008	1	1	A

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