The Great Grid Upgrade

BT-NG-020621-545-0105

Bramford to Twinstead Reinforcement

Volume 6: Environmental Information

Document 6.4 (B): Environmental Statement Figures

Final Issue B
August 2023

Planning Inspectorate Reference: EN020002

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

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Version History			
Date	**Issue**	**Status**	**Description / Changes**
April 2023	A	Final	For DCO submission
August 2023	B	Final	The font type in the legend and labels and the north arrow shown on Sheets 1 to 4 of Figure 3.4: Grid Supply Point Substation Study Areas was distorted when downloaded and viewed in certain PDF software. This has been amended for Procedural Deadline A. The substantive visual content of the plan was not affected and has not been amended.

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Figure 12.3: Traffic Survey Locations
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Figure 14.1: Noise Baseline

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Figure 14.3: Potential Construction Vibration Effects
Figure 15.1: Nationally Significant Infrastructure Projects
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Figure 16.1: Embedded Measures and Mitigation Proposals

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
ROUTE CORRIDORS
REGULATION 5(2)(a)
SHEET 1 OF 1
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

Babergh District Council

Mid Suffolk District Council

Corridor 4

Corridor 3

Corridor 2B

Corridor 2A

Corridor 1 and 2

Dedham Vale AONB

Sudbury

Hadleigh

Burstall Hill

Burstall

Burstall Bridge

Hintlesham

Polstead Heath

Upper Layham

Lower Layham

Polstead

Assington

Leavenheath

Workhouse Green

Wickham St Paul

Twinstead

Lamarsh

Alphamstone

A131

A134

A1087

A12

400kV

132kV

Bramf

0 1 2 3 4 Kilometers

255000
250000
245000
240000
235000

585000 590000 595000 600000 605000 610000

- Local authority districts
- Existing 400kV overhead line
- Existing 132kV overhead line
- Bramford Substation
- Twinstead Tee
- Route corridor

Key environmental features

- Grade 1 listed building
- Site of Special Scientific Interest (SSSI)
- Stour Valley Project Area
- Area of Outstanding Natural Beauty (AONB)
- Scheduled Monument
- Conservation Area
- Special Landscape Area

Norwich
Birmingham
Thetford
Cambridge
Ipswich
Stevenage
Colchester
London

NG Investment No. ETX/01142

ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
A	03/2023	Rev A for DCO Application	PM	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

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TITLE :
Figure 3.1
Route Corridors

CIRCUIT / SITE :		
Bramford – Pelham & Bramford – Braintree – Bulls Lodge		GIS
ORIGINATOR DRAWING NO. AAA_BTT_Alternatives_Fig01_Rev0		A3
NG DRAWING No. BT-JAC-020631-500-0069	SHEET NO. 1 / NO. OF SHEETS 1	ISSUE: A
SCALE : 1:100000		

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
CONNECTION OPTIONS REPORT ALIGNMENTSIN SECTION A/B
REGULATION 5(2)(a)
SHEET 1 OF 1
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

Legend

- Existing 132kV overhead line
- Existing 400kV overhead line
- Existing 132kV underground cable
- Existing Bramford Substation
- Site of Special Scientific Interest (SSSI)
- Ancient Woodland
- Scheduled Monument
- Special Landscape Area
- Grade I listed building

Initial Appraisal at Hintlesham Woods

- OP1-NL
- OP1-SL
- OP2-NL
- OP2-SL

Alignment Option around Hintlesham

- Corridor 2A alignment
- Corridor 2B – northern alignment
- Corridor 2B – southern alignment
- Underground cable

Initial Appraisal of Possible Alignments

0 0.25 0.5 0.75 1 Kilometers

246000
245000
244000
243000
242000
605000
606000
607000
608000
609000
610000
611000

NG Investment No. ETX/01142

ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
A	03/2023	Rev A for DCO Application	GW	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

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TITLE: Figure 3.2 Connection Options Report Alignments in Section A/B

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

GIS

ORIGINATOR DRAWING NO. AAA_BTT_Alternatives_Fig02_Rev0

A3

NG DRAWING No. BT-JAC-020631-500-0070

SHEET NO. 1

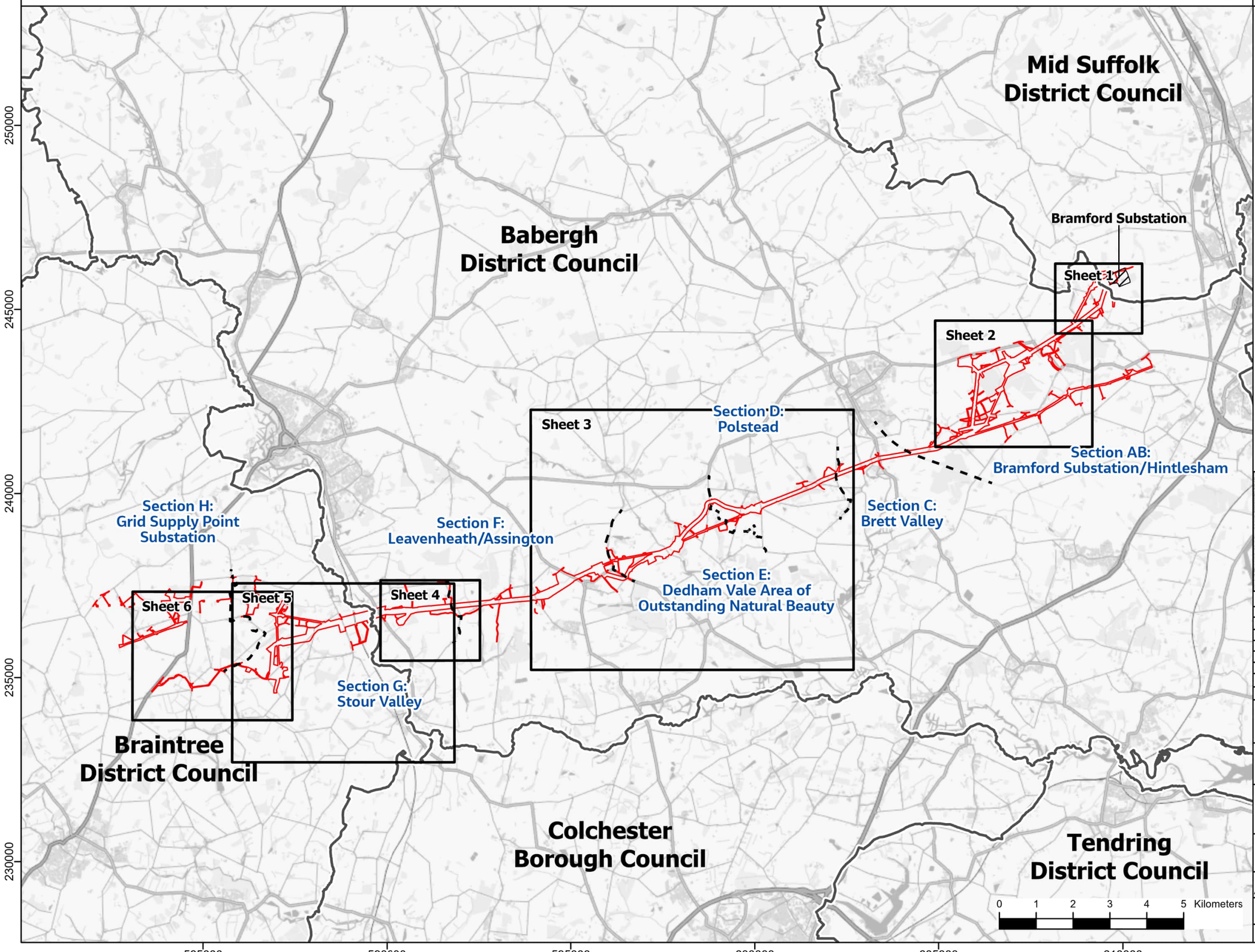
NO. OF SHEETS 1

ISSUE: A

SCALE: 1:35000

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
CONSIDERED OPTIONS -KEY PLAN
REGULATION 5(2)(a)
SHEET 1 OF 1
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4



Legend
- Section boundarie
- Order Limits
- Local authority districts
- Existing Bramford Substation

NG Investment No. ETX/01142

ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
A	03/2023	Rev A for DCO Application	GW	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

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TITLE: Figure 3.3 Considered Options - Key Plan

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

GIS

ORIGINATOR DRAWING NO. AAA_BTT_Alternatives_Fig03_Rev0_KeyPlan

A3

NG DRAWING No. BT-JAC-020631-500-0128

SHEET NO. 1

NO. OF SHEETS 1

ISSUE: A

SCALE: 1:100000

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
BRAMFORD SUBSTATION CONSULTATION OPTIONS
REGULATION 5(2)(a)
SHEET 1 OF 6
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

Bramford Approach Option 1

Bramford Approach Option 3

Bramford Approach Option 2

Existing Bramford Substation

Existing overhead line

Proposed modification to overhead line

Proposed overhead line

Proposed removal of overhead line

Proposed pylon removal

Proposed pylon

Proposed pylon modification works

RB1A
RB1B
RB1C
RB2
RB3
RB4
RB5
RB6
4YL1
4YL2
4YL3
4YL4
4YL5
4YL6

246000
245500
245000

608500
609000
609500
610000

0 0.2 0.4 0.6 0.8 Kilometers

ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
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NG Investment No. ETX/01142

PROJECT: Bramford to Twinstead Reinforcement

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TITLE: Figure 3.3 Considered Options Bramford Substation Consultation Options

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

GIS

ORIGINATOR DRAWING NO. AAA_BTT_Alternatives_Fig03b_Rev0

A3

NG DRAWING No. BT-JAC-020631-500-0128

SCALE: 1:10000

SHEET NO. 1

NO. OF SHEETS 6

ISSUE: A

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
HINTLESHAM WOODS STATUTORYCONSULTATION OPTIONS
REGULATION 5(2)(a)
SHEET 2 OF 6
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Hintlesham Woods Option 1

Hintlesham Woods Option 2

Application Document 6.4

- Order Limits
- Site of Special Scientific Interest (SSSI)
- Ancient Woodland
- Scheduled Monument
- Grade 1 listed building
- Proposed overhead line
- 400kV Existing overhead line
- Modification works to existing overhead line
- Realignment of existing overhead line
- Removal of existing overhead line
- Temporary overhead line during construction
- Proposed pylon
- Realignment of existing pylon
- Removal of existing pylon

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ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
A	03/2023	Rev A for DCO Application	GW	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

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TITLE: Figure 3.3 Considered Options Hintlesham Woods Statutory Consultation Options

CIRCUIT / SITE		GIS
Bramford – Pelham & Bramford – Braintree – Bulls Lodge		
ORIGINATOR DRAWING NO. AAA_BTT_Alternatives_Fig03c_Rev0		A3
NG DRAWING No. BT-JAC-020631-500-0128	SHEET NO. 2 / NO. OF SHEETS 6	ISSUE: A
SCALE: 1:20000		

0 0.25 0.5 0.75 1 Kilometers

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
DEDHAM VALE EAST CABLE SEALINGEND COMPOUND AND DOLLOPS WOOD ALIGNMENT
REGULATION 5(2)(a)
SHEET 3 OF 6
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

Legend

- Existing 400kV overhead line
- Existing 132kV overhead line
- Listed building
- County Wildlife Site
- Conservation Area
- Area of Outstanding Natural Beauty (AONB)
- Authorised Landfill Sites
- Ancient Woodland

Dollops Wood underground cable options

- Option 1
- Option 2ai
- Option 2aii

Cable sealing end (CSE) compound options

- 2C — Dedham Vale East CSE compound locations
- 2 — Dedham Vale West CSE compound locations

High Oak Forest CWC
Stack Wood CWC
Valley Farm Wood CWC
Howe Wood CWC
Layham Grove CWC
RNR 202 CWC
King Harry's Grove CWC
Potash Lane Hedge CWC
High Trees Farm Wood CWC
River Box Meadows CWC
Layham Pit Woodland and Meadow CWC
The Dollops Wood CWC
Broom Hill Wood CWC
Millfield Wood CWC
Bushy Park Wood CWC
Polstead Acid Grassland CWC
Leadenhall Wood CWC
Dedham Vale AONB
BOXFORD CP
POLSTEAD CP
LEAVENHEATH CP
STOKE-BY-NAYLAND CP
Leavenheath
Honey Tye
Polstead Heath
Whitestreet Green

400kV / 132kV

1 2 2C 2D 2B 2AII 2AI

0 0.5 1 1.5 2 Kilometers

NG Investment No. ETX/01142

ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
A	03/2023	Rev A for DCO Application	GW	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

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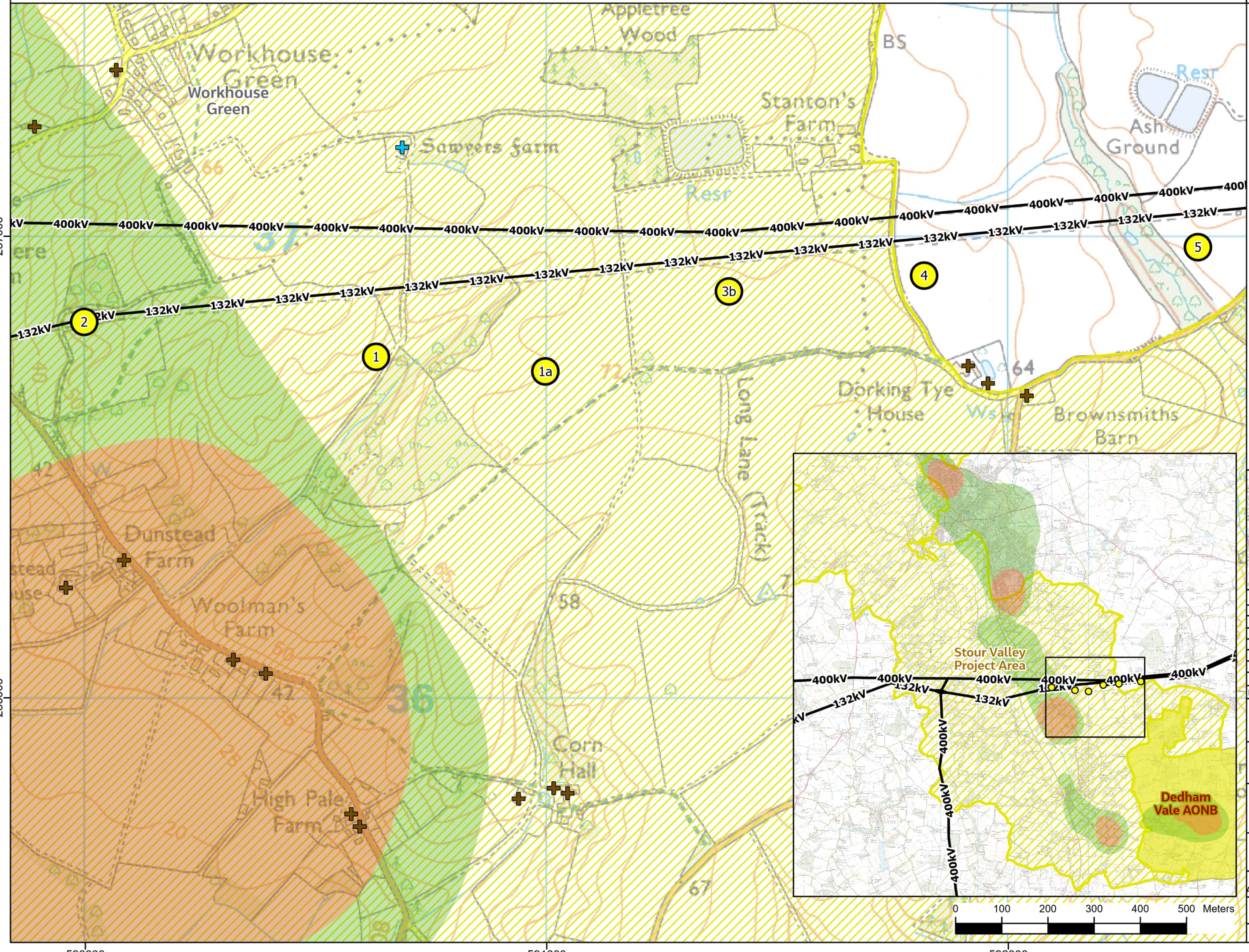
TITLE: Figure 3.3 Considered Options
Dedham Vale East Cable Sealing
End Compound and Dollops Wood alignment

CIRCUIT / SITE		GIS
Bramford – Pelham & Bramford – Braintree – Bulls Lodge		
ORIGINATOR DRAWING NO. AAA_BTT_Alternatives_Fig03d_Rev0		A3
NG DRAWING No. BT-JAC-020631-500-0128	SHEET NO. 3 / NO. OF SHEETS 6	ISSUE: A
SCALE: 1:25000		

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
STOUR VALLEY ALIGNMENTS AND STOUR VALLEY EAST CABLE SEALING END COMPOUND
REGULATION 5(2)(a)
SHEET 4 OF 6
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL



Application Document 6.4

Legend
- Existing 400kV overhead line
- Existing 132kV overhead line
- Area of Outstanding Natural Beauty (AONB)
- Source Protection Zones I – Inner Protection Zone
- Source Protection Zones II – Outer Protection
- Stour Valley Project Area

Listed Buildings
- Grade I
- Grade II
- Grade II*
- Cable Sealing End Compound Option

NG Investment No. ETX/01142

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PROJECT: Bramford to Twinstead Reinforcement

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TITLE: Figure 3.3 Considered Options Stour Valley Alignments and Stour Valley East Cable Sealing End Compound

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

ORIGINATOR DRAWING NO. AAA_BTT_Alternatives_Fig03e_Rev0 | A3

NG DRAWING No. BT-JAC-020631-500-0128
SCALE: 1:8000
SHEET NO. 4
NO. OF SHEETS 6
ISSUE: A

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
STOUR VALLEY ALIGNMENTS AND STOUR VALLEY WEST CABLE SEALING END COMPOUND
REGULATION 5(2)(a)
SHEET 5 OF 6
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

Legend

- Existing 400kV overhead line
- Existing 132kV overhead line
- Conservation Area
- Scheduled Monument
- Ancient Woodland
- County Wildlife Site
- Local Wildlife Sites
- Grade 1 listed building

Cable Sealing End (CSE) compound options

- SVE: Stour Valley East CSE compound (see sheet 5 for options)
- Alternative Cable Sealing End compound identified as part of Stour Valley alignments
- 1: Alternative Cable Sealing End compound locations for Stour Valley West Cable Sealing End compound

Stour Valley underground cable options

- Stour Valley Option 1
- Stour Valley Option 2
- Stour Valley Option 3
- Stour Valley Option 4a
- Stour Valley Option 4b
- Stour Valley Option 4c
- Stour Valley Option 5a
- Stour Valley Option 5b
- Stour Valley Option 6
- Stour Valley Option 7a
- Stour Valley Option 7b
- Stour Valley Option 8

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ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
A	03/2023	Rev A for DCO Application	GW	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

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TITLE: Figure 3.3 Considered Options Stour Valley Alignments and Stour Valley West Cable Sealing End Compound

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

GIS

ORIGINATOR DRAWING NO. AAA_BTT_Alternatives_Fig03f_Rev0

A3

NG DRAWING No. BT-JAC-020631-500-0128

SHEET NO. 5

NO. OF SHEETS 6

ISSUE: A

SCALE: 1:20000

0 0.25 0.5 0.75 1 Kilometers

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
TEMPORARY ACCESS ROUTE OPTIONS
REGULATION 5(2)(a)
SHEET 6 OF 6
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

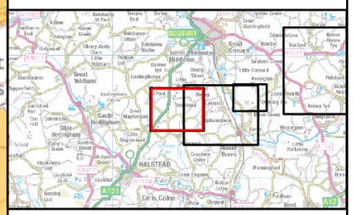
Legend

- Ancient Woodland Inventory Site
- Local Wildlife Sites
- Historic Environment Record asset polygons
- Grade I Listed Buildings
- Grade II* Listed Buildings
- Grade II Listed Buildings*

Temporary Access Route

- Option 1
- Option 2a
- Option 2b
- Option 3

Stour Valley West cable sealing end compound



NG Investment No. ETX/01142

ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
A	03/2023	Rev A for DCO Application	GW	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

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TITLE: Figure 3.3 Considered Options Temporary Access Route Options

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

GIS

ORIGINATOR DRAWING NO. AAA_BTT_Alternatives_Fig03g_Rev0

A3

NG DRAWING No. BT-JAC-020631-500-0128

SHEET NO. 6

NO. OF SHEETS 6

ISSUE: A

SCALE: 1:12500

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
GRID SUPPLY POINT SUBSTATION STUDY AREAS
REGULATION 5(2)(a)
SHEET 1 OF 4
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

Study Area A: Land north of Colne Valley Farm Park

Study Area B: Land at Delvyn's Lane

Study Area C: Land at Butler's Wood and Waldegrave Wood

400kV Existing 400kV overhead line

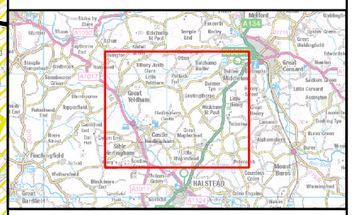
132kV Existing 132kV overhead line

Key environmental feature

- Grade I listed building
- Grade II* listed building
- Scheduled Monument
- Stour Valley Project Area
- Ancient Woodland Inventory Site

Grid supply point (GSP) substation options

- GSP substation study area
- Study Area GSP substation sites



NG Investment No. ETX/01142

ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
B	08/2023	Updated for Procedural Deadline A	PM	MS	CW
A	04/2023	Rev A for DCO Application	PM	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

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TITLE: Figure 3.4 Grid Supply Point Substation Study Areas

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

GIS

ORIGINATOR DRAWING NO. AAA_BTT_Alternatives_Fig04a_Rev0

A3

NG DRAWING No. BT-JAC-020631-500-0071

SHEET NO. 1

NO. OF SHEETS 4

ISSUE: B

SCALE: 1:35000

0 0.5 1 1.5 2 2.5 Kilometers

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
GRID SUPPLY POINT SUBSTATION STUDY AREAS
REGULATION 5(2)(a)
SHEET 2 OF 4
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

- Existing 400kV overhead line
- Existing 132kV overhead line
- Grade I Listed Buildings
- Grade II* Listed Buildings
- Grade II Listed Buildings
- Scheduled Monument
- Stour Valley Project Area
- Ancient Woodland Inventory Site
- Substation study area

Study Area A: Land north of Colne Valley Farm Park

A1

Scotneys Farm
Canie Hall
Lark Hill Farm
Poole Street
River Colne
Hill Top House
Yeldham Road
Cooksferry Farm
Poole Farm
Lovington's Farm
Dicketts Hill
Kirby Hall
Kirby Hall Cottages
Newhouse Farm
Rushleygreen Farm
Coln Valley Railway
FARM PARK
Four Winds
Kirby Hall Road
Newman's Hill
Newman's Farm
Yeldham Road
Nunnery Bridge
Castle Hedingham
Redbeard's Wood
Grassall's Wood
Bloom's Farm
Kentish Farm
Delvin End
Edishe's Farm

400kV

0 0.25 0.5 0.75 1 Kilometers

236000
237000
576000
577000
578000

NG Investment No. ETX/01142					
B	08/2023	Updated for Procedural Deadline A	PM	MS	CW
A	04/2023	Rev A for DCO Application	PM	LJ	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement

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TITLE: Figure 3.4 Grid Supply Point Substation Study Areas

CIRCUIT / SITE :	
Bramford – Pelham & Bramford – Braintree – Bulls Lodge	GIS
ORIGINATOR DRAWING NO. AAA_BTT_Alternatives_Fig04bcd_Rev0	A3
NG DRAWING No. BT-JAC-020631-500-0071	SHEET NO. 2 / NO. OF SHEETS 4 / ISSUE: B
SCALE : 1:10000	

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
GRID SUPPLY POINT SUBSTATION STUDY AREAS
REGULATION 5(2)(a)
SHEET 3 OF 4
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

- Existing 400kV overhead line
- Existing 132kV overhead line
- Grade I Listed Buildings
- Grade II* Listed Buildings
- Grade II Listed Buildings
- Scheduled Monument
- Stour Valley Project Area
- Ancient Woodland Inventory Site
- Substation study area

Study Area B: Land at Delvyn's Lane

HEDINGHAM CP
GESTINGTHORPE CP

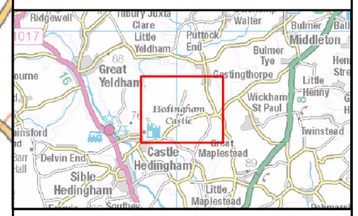
Ridley's Wood
Delvyn's Lane (Track)
Delvyn's Farm
Audley End
Rectory Farm
Edeys Farm
Parkgate Farm
Great Lodge Farm
Crouch House
Branwhite's Grove
The Moat
Rushley Green
Namacre Wood
Lawrence's Farm
Yeomans Field
Pannells Ash Farm
Rosemary Lane
Rosemary Farm
Castle Park
Hedingham Castle
The Lake
Pantile Cottage
Kendallscroft Grove
Odewells
Little Chelmshoe House

B1 B2 B3 B4 B5

400kV

0 0.25 0.5 0.75 1 Kilometers

238000
237000
236000
579000
580000
581000



NG Investment No. ETX/01142

ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
B	08/2023	Updated for Procedural Deadline A	PM	MS	CW
A	04/2023	Rev A for DCO Application	PM	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

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TITLE: Figure 3.4 Grid Supply Point Substation Study Areas

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

GIS

ORIGINATOR DRAWING NO.
AAA_BTT_Alternatives_Fig04bcd_Rev0

A3

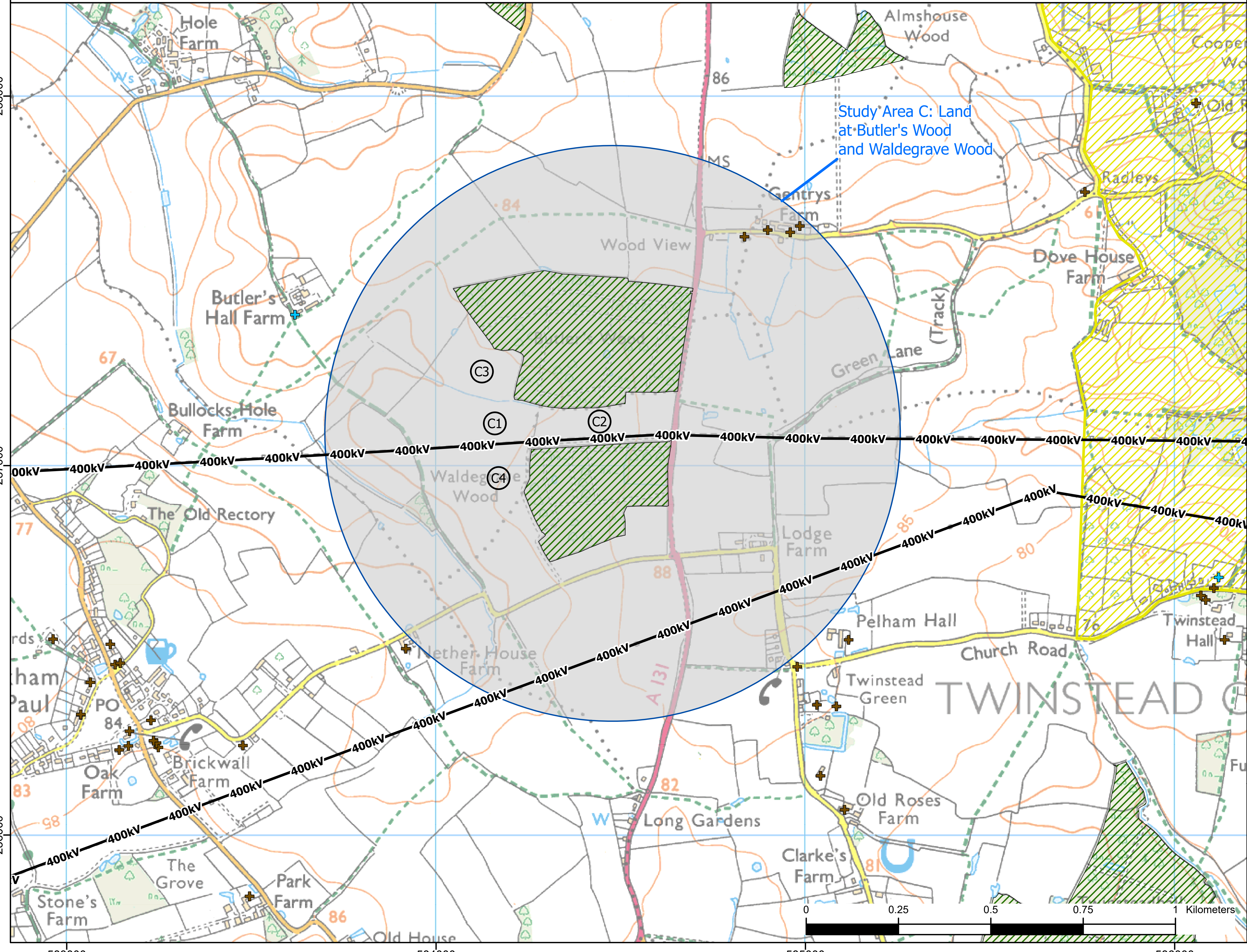
NG DRAWING No. BT-JAC-020631-500-0071

SCALE: 1:10000

SHEET NO. 3 | NO. OF SHEETS 4 | ISSUE: B

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
GRID SUPPLY POINT SUBSTATION STUDY AREAS
REGULATION 5(2)(a)
SHEET 4 OF 4
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4



- Existing 400kV overhead line
- Existing 132kV overhead line
- Grade I Listed Buildings
- Grade II* Listed Buildings
- Grade II Listed Buildings
- Scheduled Monument
- Stour Valley Project Area
- Ancient Woodland Inventory Site
- Substation study area

NG Investment No. ETX/01142

ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
B	08/2023	Updated for Procedural Deadline A	PM	MS	CW
A	04/2023	Rev A for DCO Application	PM	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE: Figure 3.4 Grid Supply Point Substation Study Areas

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

ORIGINATOR DRAWING NO. AAA_BTT_Alternatives_Fig04bcd_Rev0 | A3

NG DRAWING No. BT-JAC-020631-500-0071 | SHEET NO. 4 | NO. OF SHEETS 4 | ISSUE: B

SCALE: 1:10000

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
THE PROJECT - KEY PLAN
REGULATION 5(2)(a)
SHEET 1 OF 1
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

Legend
- Section boundaries
- Order Limits
- Local authority districts
- Existing Bramford Substation

Mid Suffolk District Council
Babergh District Council
Ipswich Borough Council
Braintree District Council
Colchester Borough Council
Tendring District Council

Bramford Substation

Sheet 1
Sheet 2
Sheet 3
Sheet 4
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Sheet 6
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Sheet 8
Sheet 9
Sheet 10
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Sheet 28
Sheet 29
Sheet 30

Section AB: Bramford Substation/Hintlesham
Section C: Brett Valley
Section D: Polstead
Section E: Dedham Vale Area of Outstanding Natural Beauty
Section F: Leavenheath/Assington
Section G: Stour Valley
Section H: Grid Supply Point Substation

Clare, Acton, Sudbury, Hadleigh, Ipswich, Market, Halstead, Colchester

0 1 2 3 4 5 Kilometers

255000 250000 245000 240000 235000 230000 225000
580000 585000 590000 595000 600000 605000 610000 615000

NG Investment No. ETX/01142

ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
A	03/2023	Rev A for DCO Application	PM	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE :
Figure 4.1
The Project - Key Plan

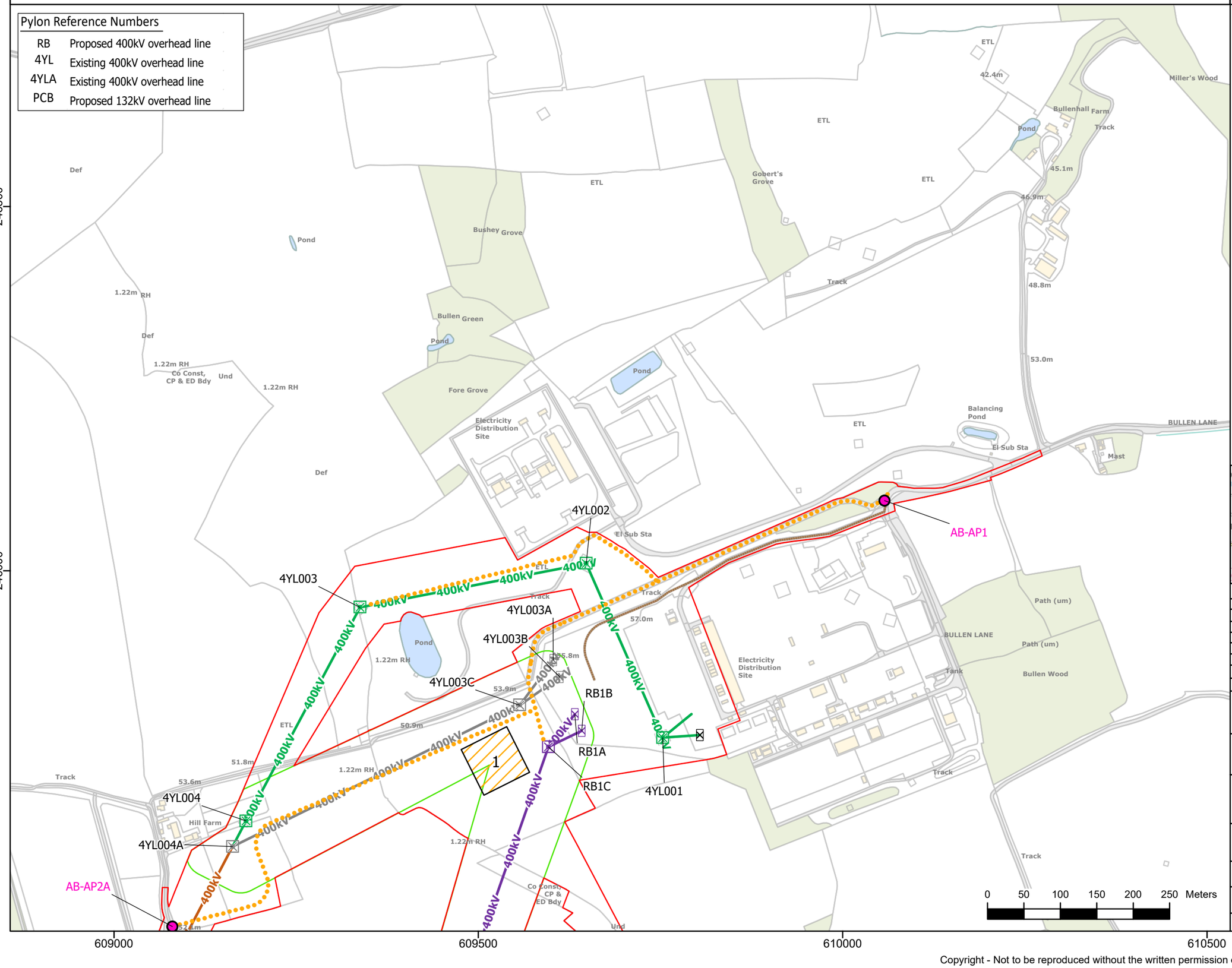
CIRCUIT / SITE :			
Bramford – Pelham & Bramford – Braintree – Bulls Lodge			GIS
ORIGINATOR DRAWING NO. AAA_BTT_Figure_4_1_KeyPlan_Rev0			A3
NG DRAWING No. BT-JAC-020631-500-0072	SHEET NO. 1	NO. OF SHEETS 1	ISSUE: A
SCALE : 1:125000			

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
THE PROJECT
REGULATION 5(2)(a)
SHEET 1 OF 30
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

Pylon Reference Numbers

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



Legend

- Section boundaries
- Order Limits
- Limits of deviation
- Proposed pylon
- Proposed gantry
- Existing pylon
- Existing gantry
- Proposed pylon modification works
- Proposed pylon realignment
- Proposed pylon removal
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Temporary access route

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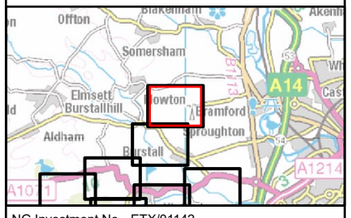
Access route crossings

- Temporary bridges

Underground cable watercourse crossings

- Trenchless crossing
- Open cut

This figure shows the Proposed Alignment
See Environmental Statement Chapter 4: Project Description for further details **(application document 6.2.4)**



NG Investment No. ETX/01142

ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
A	04/2023	Rev A for DCO Application	PM	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE :
Figure 4.1
The Project

CIRCUIT / SITE : Bramford – Pelham & Bramford – Braintree – Bulls Lodge	GIS
ORIGINATOR DRAWING NO. AAA_BTT_Figure_4_1_Rev0	A3
NG DRAWING No. BT-JAC-020631-500-0072	SHEET NO. 1 / NO. OF SHEETS 30 / ISSUE: A
SCALE : 1:5000	

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
THE PROJECT
REGULATION 5(2)(a)
SHEET 2 OF 30
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

Pylon Reference Numbers

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PCB	Proposed 132kV overhead line

AB-AP2B
AB-AP2A
4YL005
AB-AP3
AB-AP4
AB-AP5
4YL006
4YL007
RB2
RB3
RB4
RB5
RB6

245500
245000
244500
608500
609000
609500
610000

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0 50 100 150 200 250 Meters

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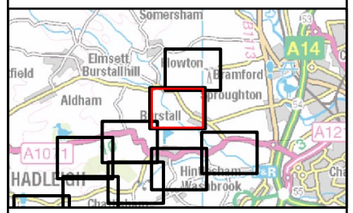
See Environmental Statement Chapter 4: Project Description for further details **(application document 6.2.4)**



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ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
A	04/2023	Rev A for DCO Application	PM	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE:
Figure 4.1
The Project

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

GIS

ORIGINATOR DRAWING NO.
AAA_BTT_Figure_4_1_Rev0

A3

NG DRAWING No. BT-JAC-020631-500-0072

SHEET NO. 2

NO. OF SHEETS 30

ISSUE: A

SCALE: 1:5000

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
THE PROJECT
REGULATION 5(2)(a)
SHEET 3 OF 30
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

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AB-AP7 · AB-AP6 · AB-EAP1 · 4YL009 · 4YL010 · 4YL011 · 4YL012A · 4YL012 · RB6 · RB7 · RB8 · RB9 · RB10 · RB11 · RB12

Legend

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0 50 100 150 200 250 Meters

244000 · 243500 · 607000 · 607500 · 608000

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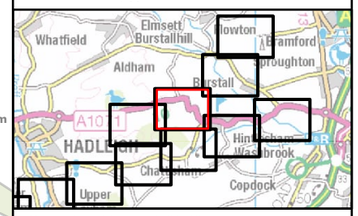

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ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
A	04/2023	Rev A for DCO Application	PM	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE: Figure 4.1 The Project

CIRCUIT / SITE: Bramford – Pelham & Bramford – Braintree – Bulls Lodge	GIS
ORIGINATOR DRAWING NO. AAA_BTT_Figure_4_1_Rev0	A3
NG DRAWING No. BT-JAC-020631-500-0072	SHEET NO. 3 / NO. OF SHEETS 30 / ISSUE: A
SCALE: 1:5000	

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
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THE PROJECT
REGULATION 5(2)(a)
SHEET 4 OF 30
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

Pylon Reference Numbers

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

AB-DAP1
AB-DAP2
AB-DAP3
PCB 5
PCB 6
PCB 7
1:32kV

Legend

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0 50 100 150 200 250 Meters

610500 611000 611500
244000 243500 243000

This figure shows the Proposed Alignment
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ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
A	04/2023	Rev A for DCO Application	PM	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE :
Figure 4.1
The Project

CIRCUIT / SITE : Bramford – Pelham & Bramford – Braintree – Bulls Lodge		GIS
ORIGINATOR DRAWING NO. AAA_BTT_Figure_4_1_Rev0		A3
NG DRAWING No. BT-JAC-020631-500-0072	SHEET NO. 4 / NO. OF SHEETS 30	ISSUE: A
SCALE : 1:5000		

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
THE PROJECT
REGULATION 5(2)(a)
SHEET 5 OF 30
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

Pylon Reference Numbers

RB	Proposed 400kV overhead line
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PCB	Proposed 132kV overhead line

PCB 8
PCB 9
PCB 10
PCB 11
PCB 12
PCB 13
AB-DAP4
AB-DAP5

243500
243000
242500
608500
609000
609500
610000

Legend

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This figure shows the Proposed Alignment
See Environmental Statement Chapter 4: Project Description for further details **(application document 6.2.4)**

0 50 100 150 200 250 Meters

NG Investment No. ETX/01142

ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
A	04/2023	Rev A for DCO Application	PM	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE:
Figure 4.1
The Project

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

GIS

ORIGINATOR DRAWING NO.
AAA_BTT_Figure_4_1_Rev0

A3

NG DRAWING No. BT-JAC-020631-500-0072

SHEET NO. 5

NO. OF SHEETS 30

ISSUE: A

SCALE: 1:5000

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
THE PROJECT
REGULATION 5(2)(a)
SHEET 6 OF 30
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

Pylon Reference Numbers

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

AB-EAP2b
AB-EAP2a
4YL012B
4YL013A
4YL014A
4YL015A
RB11
RB12
RB13

243500
243000
605500
606000
606500
607000

0 50 100 150 200 250 Meters

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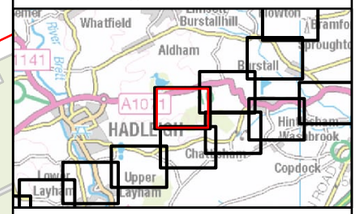

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ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
A	04/2023	Rev A for DCO Application	PM	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE :
Figure 4.1
The Project

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

ORIGINATOR DRAWING NO. AAA_BTT_Figure_4_1_Rev0
A3

NG DRAWING No. BT-JAC-020631-500-0072
SCALE : 1:5000
SHEET NO. 6
NO. OF SHEETS 30
ISSUE: A

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
THE PROJECT
REGULATION 5(2)(a)
SHEET 7 OF 30
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

Pylon Reference Numbers

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

AB-DAP6
AB-DAP8
AB-DAP7
PCB 13
PCB 14
PCB 15
PCB 16
PCB 17
PCB 18
132kV
ETL

243000
242500
242000
607000
607500
608000
608500

0 50 100 150 200 250 Meters

Legend

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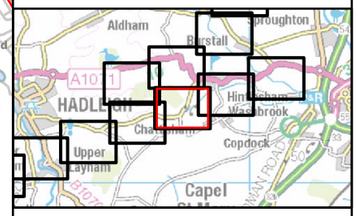

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ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
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PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE :
Figure 4.1
The Project

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

GIS

ORIGINATOR DRAWING NO.
AAA_BTT_Figure_4_1_Rev0

A3

NG DRAWING No.
BT-JAC-020631-500-0072

SHEET NO. 7 | NO. OF SHEETS 30 | ISSUE: A

SCALE : 1:5000

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
THE PROJECT
REGULATION 5(2)(a)
SHEET 8 OF 30
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

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242500
242000
241500
606000
606500
607000

4YL016A
4YL017A
4YL018A
4YL018
4YL019
RB14
RB15
RB16
RB17
RB18
PCB 18
PCB 19
PCB 20
PCB 21
PCB 22
PCB 23
AB-AP9
AB-AP11
AB-AP12
AB-AP13
AB-AP14
AB-AP15
AB-DAP10

400kV
132kV
ETL
Track
Drain
Pond
Reservoir (covered)
Und Drain
ED & Ward Bdy
Bradfields
Bungalow Farm
Oak Villa
Garage
BP
59.4m
Ingle Nook
Pond
Farm Cottage
55.5m
Three Mile Pond
Three Mile Farm
Path (um)
Def
POND HALL ROAD
Ruin
Primrose Farm
Hadleigh Bee Farm
58.8m
59.1m
60.0m
Pheasant House
60.4m
54.6m
48.2m
MS
EB
Silo
Bushey Coopers Farm
Bushey Coopers Cottages
Bushey Cooper's Farm
Hill Farm
Pond
CLAY LANE
The Cottage
Tom's Wood
Hadleigh Farm
1.22m RH
53.3m
Ward Bdy
ED &
CALIFORNIA LANE
White Ladies
Chartwell House
56.1m
Ceylon House
Ward Bdy CR

0 50 100 150 200 250 Meters

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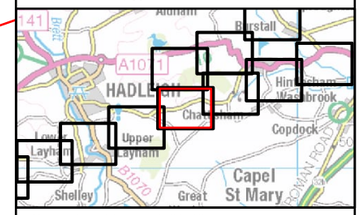

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PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE: Figure 4.1 The Project

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

GIS

ORIGINATOR DRAWING NO. AAA_BTT_Figure_4_1_Rev0

A3

NG DRAWING No. BT-JAC-020631-500-0072

SHEET NO. 8

NO. OF SHEETS 30

ISSUE: A

SCALE: 1:5000

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
THE PROJECT
REGULATION 5(2)(a)
SHEET 9 OF 30
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

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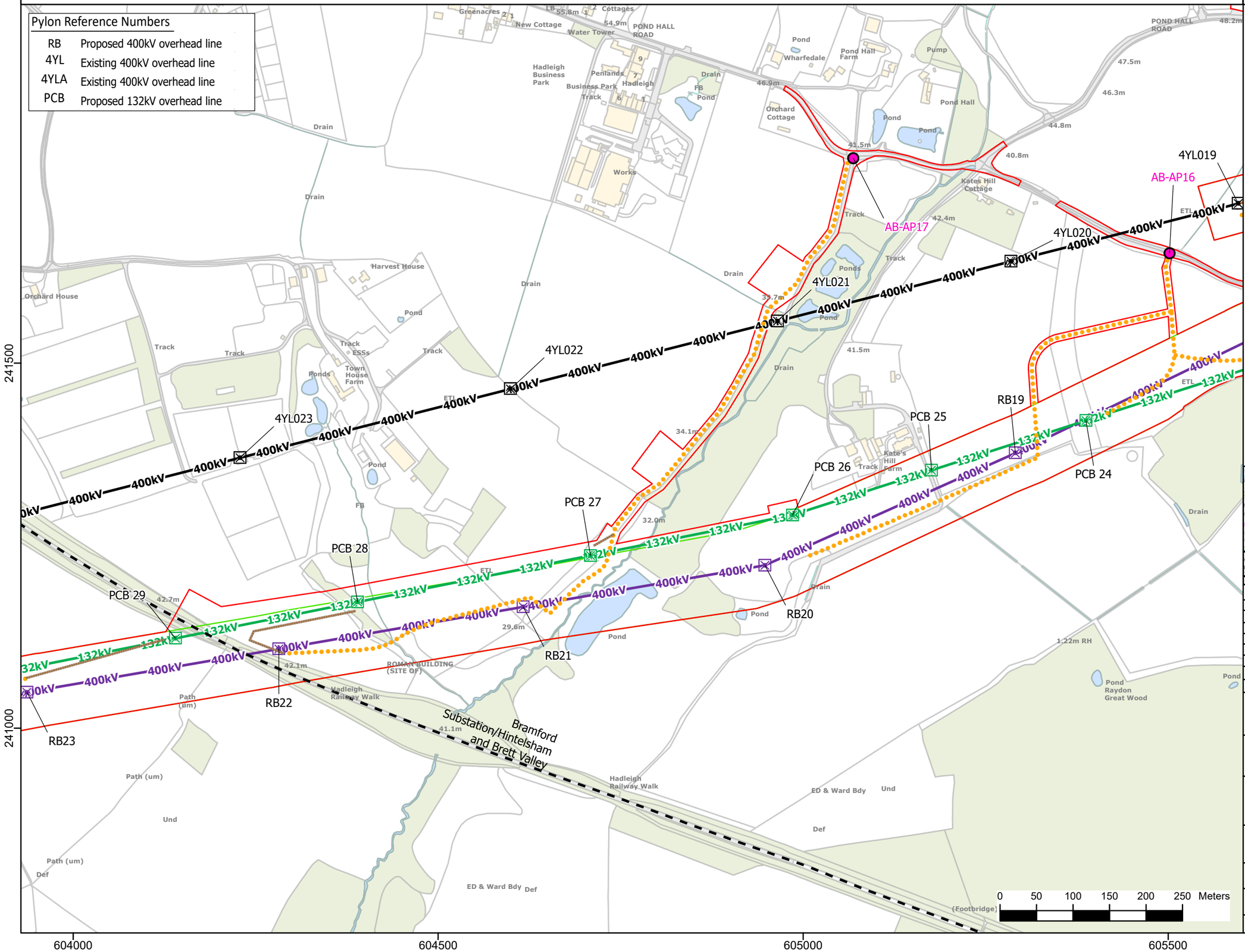

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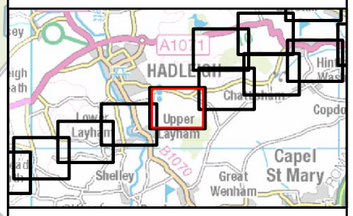

NG Investment No. ETX/01142

ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
A	04/2023	Rev A for DCO Application	PM	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE: Figure 4.1 The Project

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

GIS

ORIGINATOR DRAWING NO. AAA_BTT_Figure_4_1_Rev0

A3

NG DRAWING No. BT-JAC-020631-500-0072

SCALE: 1:5000

SHEET NO. 9

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NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
THE PROJECT
REGULATION 5(2)(a)
SHEET 10 OF 30
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

Pylon Reference Numbers

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

Legend

- Section boundaries
- Order Limits
- Limits of deviation
- Proposed pylon
- Proposed gantry
- Existing pylon
- Existing gantry
- Proposed pylon modification works
- Proposed pylon realignment
- Proposed pylon removal
- Proposed gantry realignment
- Proposed overhead line
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- Cable sealing end compound
- Proposed grid supply point substation (GSP)
- Proposed power connection
- Permanent access route
- Assumed horizontal directional drilling pits
- Temporary construction compound
- Embedded planting
- Trenchless crossings

Temporary access route

- Use of existing track or trackway protection
- 4m access route with 4m soil storage
- 7m access route
- 7m access route with 4m soil storage
- Access points

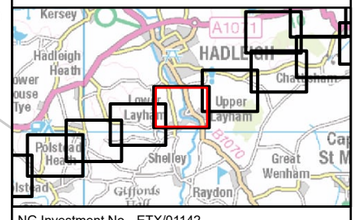
Access route crossings

- Temporary bridges

Underground cable watercourse crossings

- Trenchless crossing
- Open cut

This figure shows the Proposed Alignment
See Environmental Statement Chapter 4: Project Description for further details **(application document 6.2.4)**



NG Investment No. ETX/01142

ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
A	04/2023	Rev A for DCO Application	PM	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE :
Figure 4.1
The Project

CIRCUIT / SITE :	GIS
Bramford – Pelham & Bramford – Braintree – Bulls Lodge	
ORIGINATOR DRAWING NO. AAA_BTT_Figure_4_1_Rev0	A3
NG DRAWING No. BT-JAC-020631-500-0072	SHEET NO. 10 / NO. OF SHEETS 30 / ISSUE: A
SCALE : 1:5000	

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
THE PROJECT
REGULATION 5(2)(a)
SHEET 11 OF 30
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

Pylon Reference Numbers

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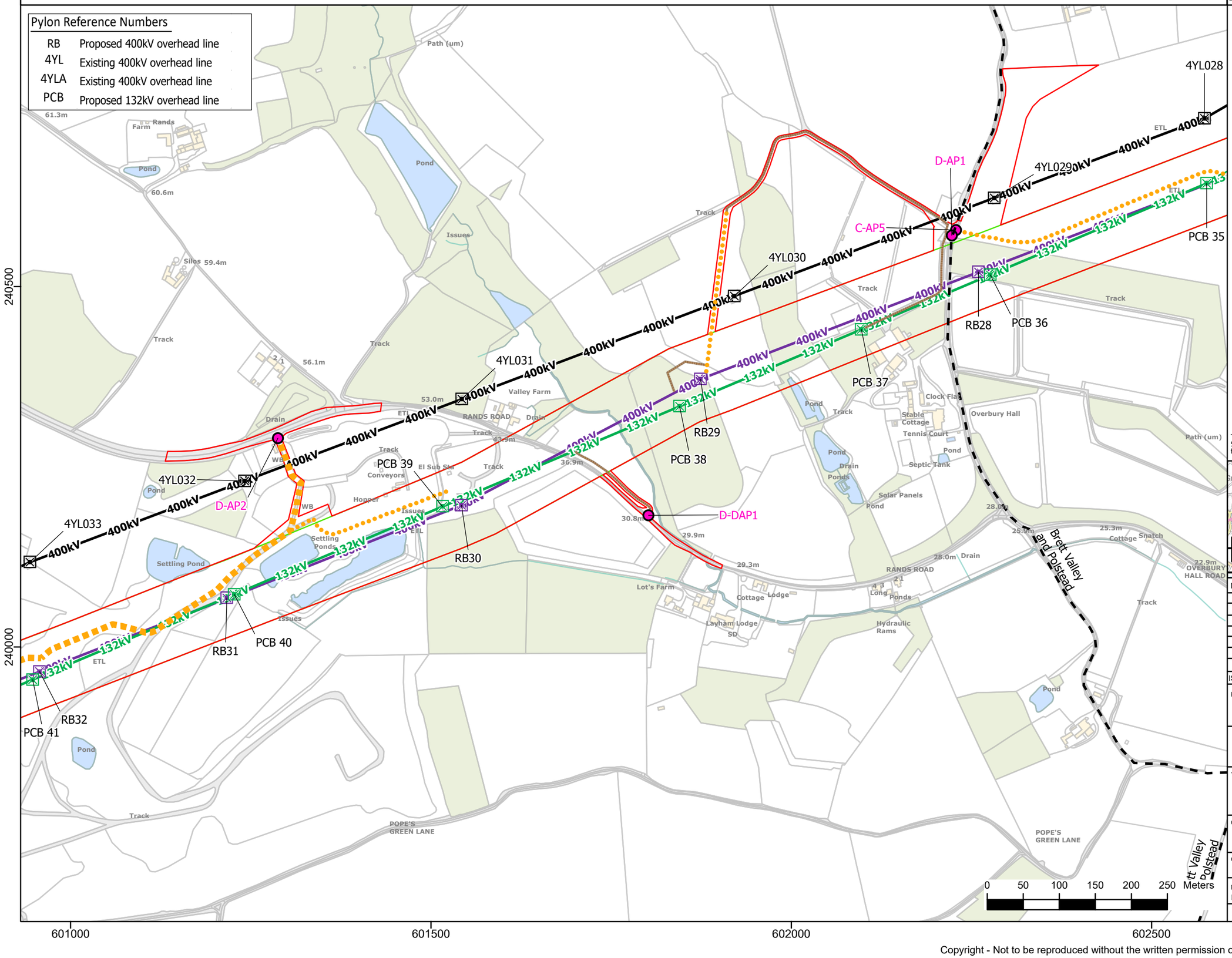
PCB	Proposed 132kV overhead line



Legend

- Section boundaries
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Underground cable watercourse crossings

- Trenchless crossing
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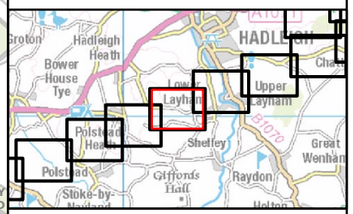

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ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
A	04/2023	Rev A for DCO Application	PM	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE :
Figure 4.1
The Project

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

GIS

ORIGINATOR DRAWING NO. AAA_BTT_Figure_4_1_Rev0

A3

NG DRAWING No. BT-JAC-020631-500-0072

SCALE : 1:5000

SHEET NO. 11

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NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
THE PROJECT
REGULATION 5(2)(a)
SHEET 12 OF 30
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

Pylon Reference Numbers

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

EM-D01: The design allows for an area of landscape planting around the cable sealing end compound at Dedham Vale East. The embedded planting will be maintained for the life of the cable sealing end compound.

Dedham Vale East Cable Sealing End Compound

4YL033 4YL034 4YL035 4YL036 4YL037
RB32 RB33 RB34A RB34B RB34C
PCB 41 PCB 42 PCB 43 PCB 44 PCB 45 PCB 46
D-AP3 D-AP4 D-AP6 D-AP7 D-DAP2 D-DAP2A D-DAP3 D-EAP1

240000
239500
599500 600000 600500 601000

0 50 100 150 200 250 Meters

Legend
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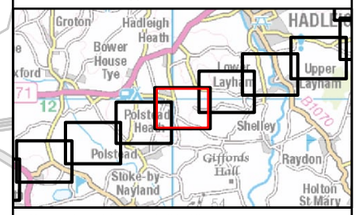
- Temporary bridges

Underground cable watercourse crossings
- Trenchless crossing
- Open cut

This figure shows the Proposed Alignment
See Environmental Statement Chapter 4: Project Description for further details **(application document 6.2.4)**



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PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE: Figure 4.1 The Project

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

GIS

ORIGINATOR DRAWING NO. AAA_BTT_Figure_4_1_Rev0

A3

NG DRAWING No. BT-JAC-020631-500-0072

SCALE: 1:5000

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PINS APPLICATION NUMBER: EN020002
THE PROJECT
REGULATION 5(2)(a)
SHEET 13 OF 30
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

Pylon Reference Numbers

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

E-AP1
D-AP8
D-DAP2A
D-AP7
D-AP6
D-AP3
E-DAP1
E-DAP2
E-DAP3
4YL037
4YL038
4YL039
4YL040
4YL041
PCB 45
PCB 46
PCB 47
PCB 48
PCB 49
PCB 50
64.6m
64.3m
59.4m
48.5m
61.6m
60.7m
60.4m
49.4m
Sprotts Hall
Main House
Sprott's Farm
The Brambles
Millfield House
White Hall
Rockalls
Rockalls Hall
Cricket Ground
Fishing Platform
HOLT ROAD
Polstead and Dedham Vale Area of Outstanding Natur
239500
239000
598500
599000
599500
0 50 100 150 200 250 Meters

Legend

- Section boundaries
- Order Limits
- Limits of deviation
- Proposed pylon
- Proposed gantry
- Existing pylon
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- Trenchless crossing
- Open cut

This figure shows the Proposed Alignment
See Environmental Statement Chapter 4: Project Description for further details **(application document 6.2.4)**

NG Investment No. ETX/01142

ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
A	04/2023	Rev A for DCO Application	PM	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE :
Figure 4.1
The Project

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

GIS

ORIGINATOR DRAWING NO.
AAA_BTT_Figure_4_1_Rev0

A3

NG DRAWING No.
BT-JAC-020631-500-0072

SCALE : 1:5000

SHEET NO. 13
NO. OF SHEETS 30
ISSUE: A

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
THE PROJECT
REGULATION 5(2)(a)
SHEET 14 OF 30
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

Pylon Reference Numbers

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

E-AP4
E-AP6
E-AP5
4YL042
4YL043
4YL044
4YL045
4YL046
PCB 51
PCB 52
PCB 53
PCB 54
PCB 55
W-E-10
3

Proposed storage area where Order Limits are narrowed alongside Alder Carr

239000
238500
238000
597000
597500
598000

0 50 100 150 200 250 Meters

Legend

- Section boundaries
- Order Limits
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- Temporary bridges

Underground cable watercourse crossings
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- Open cut

This figure shows the Proposed Alignment
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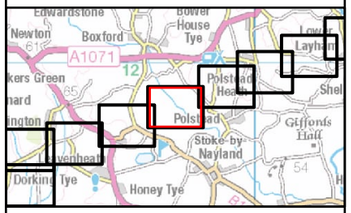

NG Investment No. ETX/01142

ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
A	04/2023	Rev A for DCO Application	PM	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE:
Figure 4.1
The Project

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

GIS

ORIGINATOR DRAWING NO.
AAA_BTT_Figure_4_1_Rev0

A3

NG DRAWING No. BT-JAC-020631-500-0072

SHEET NO. 14

NO. OF SHEETS 30

ISSUE: A

SCALE: 1:5000

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
THE PROJECT
REGULATION 5(2)(a)
SHEET 15 OF 30
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

Pylon Reference Numbers

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

EM-F01: The design allows for an area of landscape planting around the cable sealing end compound at Dedham Vale West. The embedded planting will be maintained for the life of the cable sealing end compound.

Dedham Vale West Cable Sealing End Compound

Dedham Vale Area of Outs and Leavenheath/Assington

E-AP8
F-DAP1
E-DAP5
E-DAP4
F-AP1
E-AP7
F-AP4
F-AP5
F-AP6
F-DAP2
RB35A
RB35B
RB35C
RB36
4YL047
4YL048
4YL049
4YL050
4YL051
PCB 56
PCB 57
PCB 58
PCB 59
PCB 60
PCB 61

Legend

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Access route crossings

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Underground cable watercourse crossings

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This figure shows the Proposed Alignment
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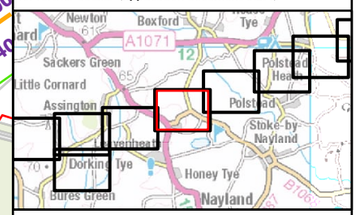

NG Investment No. ETX/01142

ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
A	04/2023	Rev A for DCO Application	PM	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE:
Figure 4.1
The Project

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

GIS

ORIGINATOR DRAWING NO.
AAA_BTT_Figure_4_1_Rev0

A3

NG DRAWING No. BT-JAC-020631-500-0072

SHEET NO. 15

NO. OF SHEETS 30

ISSUE: A

SCALE: 1:5000

0 50 100 150 200 250 Meters

595000 595500 596000 596500

238500 238000 237500

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
THE PROJECT
REGULATION 5(2)(a)
SHEET 16 OF 30
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

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

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This figure shows the Proposed Alignment
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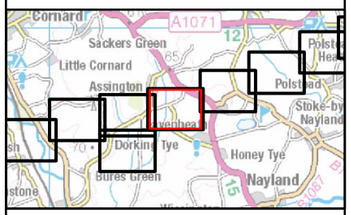

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ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
A	04/2023	Rev A for DCO Application	PM	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE :
Figure 4.1
The Project

CIRCUIT / SITE :		
Bramford – Pelham & Bramford – Braintree – Bulls Lodge		GIS
ORIGINATOR DRAWING NO. AAA_BTT_Figure_4_1_Rev0		A3
NG DRAWING No. BT-JAC-020631-500-0072	SHEET NO. 16 / NO. OF SHEETS 30	ISSUE: A
SCALE : 1:5000		

0 50 100 150 200 250 Meters

238000
237500
237000
593500
594000
594500

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
THE PROJECT
REGULATION 5(2)(a)
SHEET 17 OF 30
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

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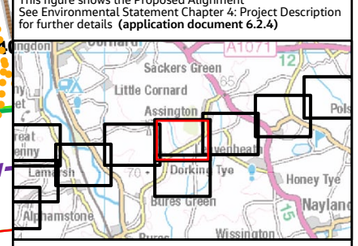

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ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
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PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE :
Figure 4.1
The Project

CIRCUIT / SITE :	
Bramford – Pelham & Bramford – Braintree – Bulls Lodge	GIS
ORIGINATOR DRAWING NO. AAA_BTT_Figure_4_1_Rev0	A3
NG DRAWING No. BT-JAC-020631-500-0072	SHEET NO. 17 / NO. OF SHEETS 30 / ISSUE: A
SCALE : 1:5000	

0 50 100 150 200 250 Meters

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
THE PROJECT
REGULATION 5(2)(a)
SHEET 18 OF 30
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

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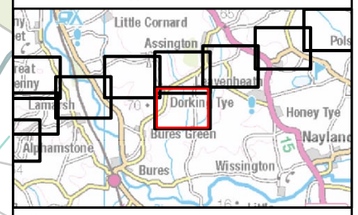

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ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
A	04/2023	Rev A for DCO Application	PM	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE :
Figure 4.1
The Project

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

GIS

ORIGINATOR DRAWING NO.
AAA_BTT_Figure_4_1_Rev0

A3

NG DRAWING No.
BT-JAC-020631-500-0072

SCALE : 1:5000

SHEET NO. 18

NO. OF SHEETS 30

ISSUE: A

0 50 100 150 200 250 Meters

592000 592500 593000

236500 236000 235500

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
THE PROJECT
REGULATION 5(2)(a)
SHEET 19 OF 30
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

Pylon Reference Numbers

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

Legend

- Section boundaries
- Order Limits
- Limits of deviation
- Proposed pylon
- Proposed gantry
- Existing pylon
- Existing gantry
- Proposed pylon modification works
- Proposed pylon realignment
- Proposed pylon removal
- Proposed gantry realignment
- Proposed overhead line
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- Proposed underground cable
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- Proposed grid supply point substation (GSP)
- Proposed power connection
- Permanent access route
- Assumed horizontal directional drilling pits
- Temporary construction compound
- Embedded planting
- Trenchless crossings

Temporary access route

- Use of existing track or trackway protection
- 4m access route with 4m soil storage
- 7m access route
- 7m access route with 4m soil storage
- Access points

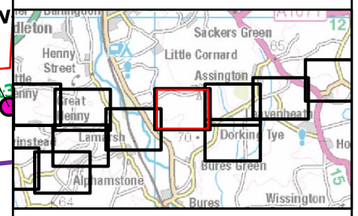
Access route crossings

- Temporary bridges

Underground cable watercourse crossings

- Trenchless crossing
- Open cut

This figure shows the Proposed Alignment
See Environmental Statement Chapter 4: Project Description for further details **(application document 6.2.4)**



NG Investment No. ETX/01142

ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
A	04/2023	Rev A for DCO Application	PM	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE :
Figure 4.1
The Project

CIRCUIT / SITE : Bramford – Pelham & Bramford – Braintree – Bulls Lodge		GIS
ORIGINATOR DRAWING NO. AAA_BTT_Figure_4_1_Rev0		A3
NG DRAWING No. BT-JAC-020631-500-0072	SHEET NO. 19 / NO. OF SHEETS 30	ISSUE: A
SCALE : 1:5000		

EM-G03: The design allows for an area of landscape planting around the cable sealing end compound at Stour Valley East. The embedded planting will be maintained for the life of the cable sealing end compound.

Stour Valley East Cable Sealing End Compound

Leavenheath/Assington and Stour Valley

0 50 100 150 200 250 Meters

237500
237000
236500
590500
591000
591500

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
THE PROJECT
REGULATION 5(2)(a)
SHEET 20 OF 30
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

Pylon Reference Numbers

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

Legend

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Access route crossings

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Underground cable watercourse crossings

- Trenchless crossing
- Open cut

This figure shows the Proposed Alignment
See Environmental Statement Chapter 4: Project Description for further details **(application document 6.2.4)**

NG Investment No. ETX/01142

ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
A	04/2023	Rev A for DCO Application	PM	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE: Figure 4.1 The Project

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

GIS

ORIGINATOR DRAWING NO. AAA_BTT_Figure_4_1_Rev0

A3

NG DRAWING No. BT-JAC-020631-500-0072

SHEET NO. 20

NO. OF SHEETS 30

ISSUE: A

SCALE: 1:5000

0 50 100 150 200 250 Meters

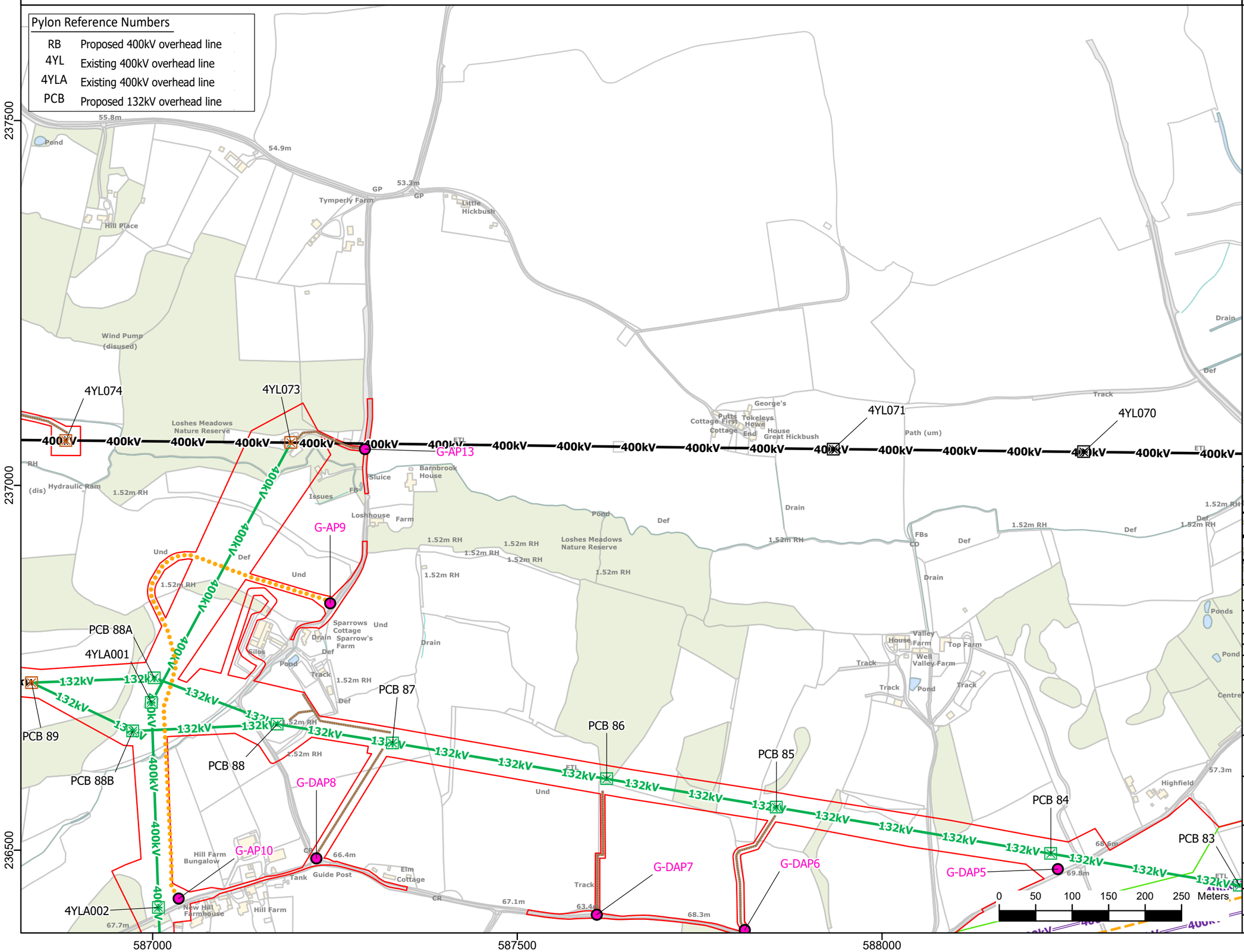
237000
236500
236000
588500
589000
589500
590000

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
THE PROJECT
REGULATION 5(2)(a)
SHEET 21 OF 30
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

Pylon Reference Numbers

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



Legend

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- Existing gantry
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Access route crossings

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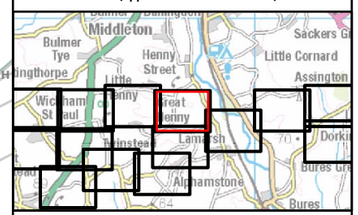
Underground cable watercourse crossings

- Trenchless crossing
- Open cut

This figure shows the Proposed Alignment
See Environmental Statement Chapter 4: Project Description for further details **(application document 6.2.4)**



NG Investment No. ETX/01142

ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
A	04/2023	Rev A for DCO Application	PM	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE:
Figure 4.1
The Project

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

GIS

ORIGINATOR DRAWING NO.
AAA_BTT_Figure_4_1_Rev0

A3

NG DRAWING No. BT-JAC-020631-500-0072

SHEET NO. 21

NO. OF SHEETS 30

ISSUE: A

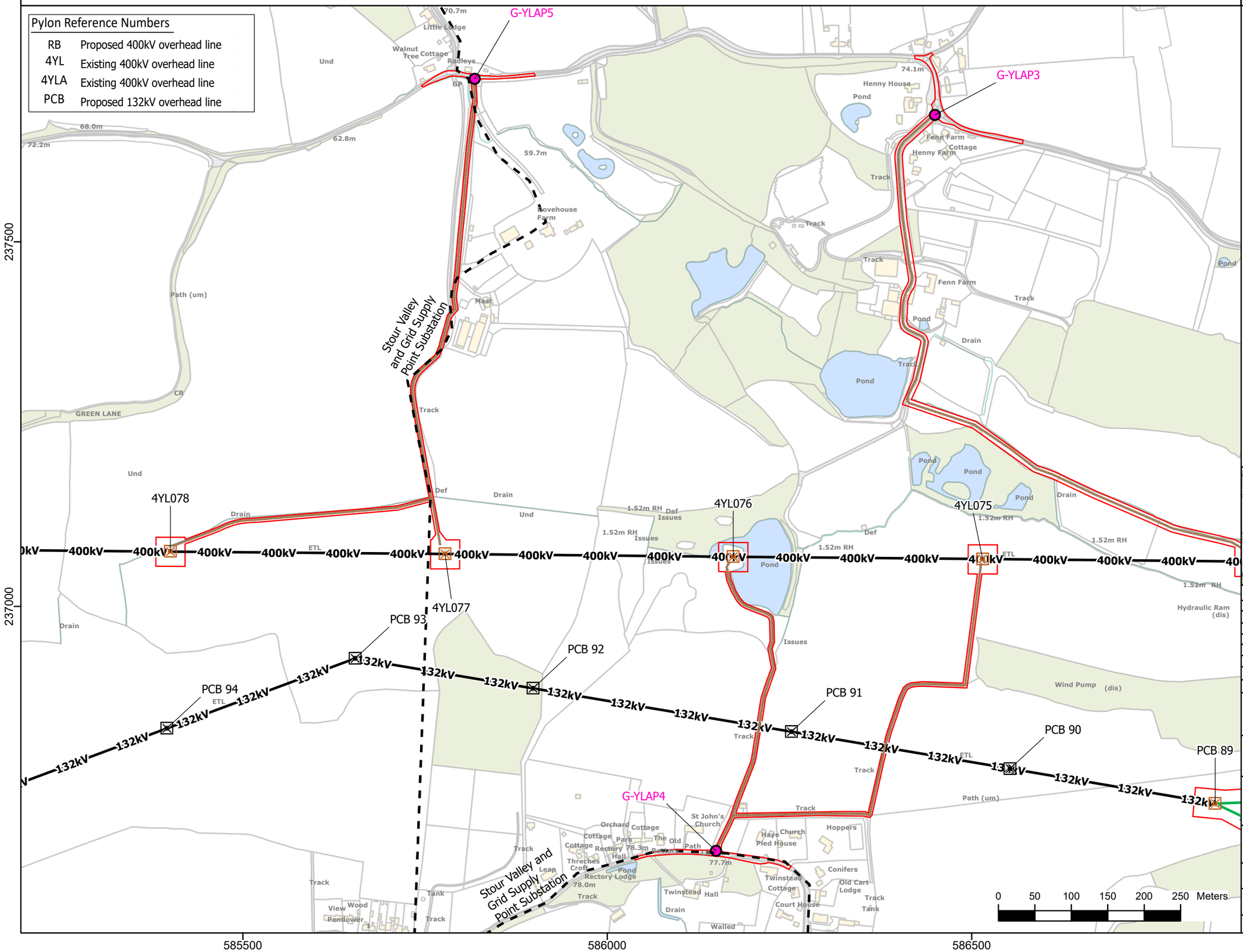
SCALE: 1:5000

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
THE PROJECT
REGULATION 5(2)(a)
SHEET 22 OF 30
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

Pylon Reference Numbers

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



Legend

- Section boundaries
- Order Limits
- Limits of deviation
- Proposed pylon
- Proposed gantry
- Existing pylon
- Existing gantry
- Proposed pylon modification works
- Proposed pylon realignment
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- Assumed horizontal directional drilling pits
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- Embedded planting
- Trenchless crossings

Temporary access route

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- 7m access route
- 7m access route with 4m soil storage
- Access points

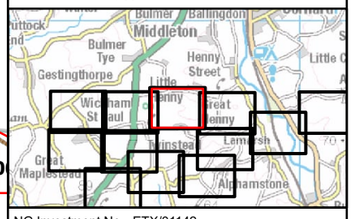
Access route crossings

- Temporary bridges

Underground cable watercourse crossings

- Trenchless crossing
- Open cut

This figure shows the Proposed Alignment
See Environmental Statement Chapter 4: Project Description for further details **(application document 6.2.4)**



NG Investment No. ETX/01142

ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
A	04/2023	Rev A for DCO Application	PM	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE: Figure 4.1 The Project

CIRCUIT / SITE: Bramford – Pelham & Bramford – Braintree – Bulls Lodge	GIS
ORIGINATOR DRAWING NO. AAA_BTT_Figure_4_1_Rev0	A3
NG DRAWING No. BT-JAC-020631-500-0072	SHEET NO. 22 / NO. OF SHEETS 30 / ISSUE: A
SCALE: 1:5000	

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
THE PROJECT
REGULATION 5(2)(a)
SHEET 23 OF 30
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

Pylon Reference Numbers

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

EM-H02: Landscape planting has been proposed to the east and west of the grid supply point substation. This will be maintained for the life of the grid supply point substation.

GSP Substation
H-AP1
H-AP2
H-AP3
H-AP4
H-AP5
H-AP6
H-YLAP1
1:0
4YL081
4YL082
4YL081A
Single circuit sealing end compound
4YL080
4YL079
PCB 95
PCB 96
PCB 97
PCB 98
400kV
132kV
ETL
Track
Pond
Drain
Und
CR
Butler's Hall Farm
Butler's Wood
Gentrys Farm
New House
Cottage
Wood View
Gentrys
Def
Waldegrave Wood
Nether House Farm
OLD ROAD
GREEN LANE
Path (um)
Camp Site
(private)
Tk
Farm
Lodge
Ben Gramor
Farm Barn
Court
Tennis
House
Pelham Hall
Twinstead
Twinstead Green
The Oaks
Three Ways
GP
PF
Tel
Ex
LB
1.52m RH
81.1m
78.6m
72.2m
68.0m
85.3m
87.2m
86.3m
86.6m
82.6m
75.6m
74.7m
A131
0 50 100 150 200 250 Meters
237500
237000
236500
584000
584500
585000

Legend

- Section boundaries
- Order Limits
- Limits of deviation
- Proposed pylon
- Proposed gantry
- Existing pylon
- Existing gantry
- Proposed pylon modification works
- Proposed pylon realignment
- Proposed pylon removal
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Access route crossings

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Underground cable watercourse crossings

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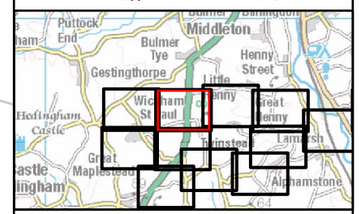
- Open cut

This figure shows the Proposed Alignment
See Environmental Statement Chapter 4: Project Description for further details **(application document 6.2.4)**



NG Investment No. ETX/01142

ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
A	04/2023	Rev A for DCO Application	PM	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE :
Figure 4.1
The Project

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

GIS

ORIGINATOR DRAWING NO. AAA_BTT_Figure_4_1_Rev0

A3

NG DRAWING No. BT-JAC-020631-500-0072

SHEET NO. 23

NO. OF SHEETS 30

ISSUE: A

SCALE : 1:5000

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
THE PROJECT
REGULATION 5(2)(a)
SHEET 24 OF 30
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

Pylon Reference Numbers

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

H-YLAP5
H-YLAP4
H-YLAP3
H-YLAP2
H-YLAP6
4YL086
4YL085
4YL084
4YL083
4YL087
400kV
ETL
1.52m RH
Def
Pond
Drain
Track
Cottage
Dandelion
GP
Mill House
HEDINGHAM ROAD
70.4m
72.8m
CHURCH ROAD
All Saint's Church
Wickham Hall
Path
76.5m
Bullocks Farm Hall
Ford
Silos
Spindles
Rectory Cottages
Sylvana
King's Lynn
Wychfield
Oakleigh
Rectory
The Old
77.4m
Shelter
Windsor View
RECTORY LANE
Hollies
CHURCH ROAD
Ashley
Beverleigh
Withens
Balcomie
Dimora
Winton Cottage
Wayside Cottage
Cottages
Greenway
Mulberry Cottage
Shellards
Windsors
Rosedene
West View
Chestnut
Willow Tree Cottage
Fox Yard
80.5m
Oak
Victory Inn (PH)
237500
237000
236500
582000
582500
583000
583500
0 50 100 150 200 250 Meters

Legend

- Section boundaries
- Order Limits
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- Proposed pylon
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- Existing gantry
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Temporary access route

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Access route crossings

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Underground cable watercourse crossings

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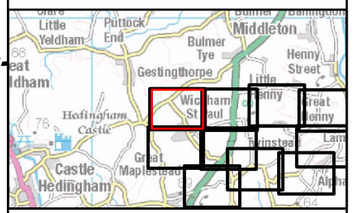

NG Investment No. ETX/01142

ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
A	04/2023	Rev A for DCO Application	PM	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE :
Figure 4.1
The Project

CIRCUIT / SITE : Bramford – Pelham & Bramford – Braintree – Bulls Lodge	GIS
ORIGINATOR DRAWING NO. AAA_BTT_Figure_4_1_Rev0	A3
NG DRAWING No. BT-JAC-020631-500-0072	SHEET NO. 24 / NO. OF SHEETS 30 / ISSUE: A
SCALE : 1:5000	

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
THE PROJECT
REGULATION 5(2)(a)
SHEET 25 OF 30
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

Pylon Reference Numbers

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

PCB 99
PCB 100

236000
235500
584000
584500
585000

0 50 100 150 200 250 Meters

Legend

- Section boundaries
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Underground cable watercourse crossings

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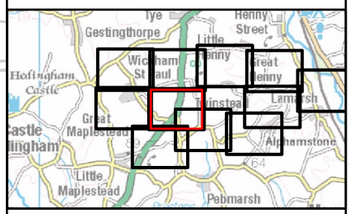

NG Investment No. ETX/01142

ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
A	04/2023	Rev A for DCO Application	PM	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE :
Figure 4.1
The Project

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

GIS

ORIGINATOR DRAWING NO.
AAA_BTT_Figure_4_1_Rev0

A3

NG DRAWING No.
BT-JAC-020631-500-0072

SCALE : 1:5000

SHEET NO. 25
NO. OF SHEETS 30
ISSUE: A

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
THE PROJECT
REGULATION 5(2)(a)
SHEET 26 OF 30
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

Pylon Reference Numbers

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

H-AP7
H-AP8
H-AP9
PCB 101
PCB 102
PCB 103
132kV
ETL
Track
Pond
Ponds
Barn
Honeywood Cottage
Wheel Cottage
Old House
Old Farm Barn
Griffins
Stone's Farm
Solar Panels
Ashdene
Rowans
Green Twingars
View
Wickham SCHOOL ROAD St Paul
Mansard
Benevenagh
Beeches
Morlins House
Mallory
Lanterns
Jasmine
The Cedars
Holly
Manderley
Lodge
Heather Cottage
Bungalow
Chalet
Kingsmead
ROAD SCHOOL
Long Reach
Grove
Oak Lea
Oaklands
View
Dove Cottage
Timberthwaite
Oak Farm
Oakside
Tank
Wind Turbine
Acorn House
The Old Forge
Gemini
Amarillo
Farm House
Radleys
Ruin
Cobwebs
The Long Yard
Orchard House
Corner
Small
Hall
TCB
GP
Lodge Cottage
Netherby Cottage
Nether Cottage
The Grove
The Park
Silos
Park Farm
Gestingthorpe
Hedingham Castle
Great Maplestead
Little Maplestead
Pebmarsh
Def
Und
Ward Bdy
1.52m RH
82.3m
84.1m
83.2m
82.9m
83.8m

Legend

- Section boundaries
- Order Limits
- Limits of deviation
- Proposed pylon
- Proposed gantry
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Temporary access route

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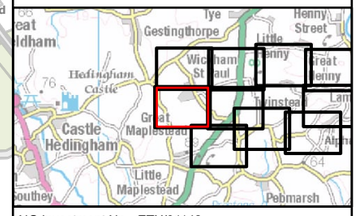
Access route crossings

- Temporary bridges

Underground cable watercourse crossings

- Trenchless crossing
- Open cut

This figure shows the Proposed Alignment
See Environmental Statement Chapter 4: Project Description for further details **(application document 6.2.4)**



NG Investment No. ETX/01142

ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
A	04/2023	Rev A for DCO Application	PM	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE :
Figure 4.1
The Project

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

GIS

ORIGINATOR DRAWING NO. AAA_BTT_Figure_4_1_Rev0

A3

NG DRAWING No. BT-JAC-020631-500-0072

SHEET NO. 26

NO. OF SHEETS 30

ISSUE: A

SCALE : 1:5000

0 50 100 150 200 250 Meters

236000
235500
582000
582500
583000
583500

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
THE PROJECT
REGULATION 5(2)(a)
SHEET 27 OF 30
IN THE DISTRICTS OF MID SUFFOLK DISTRICT COUNCIL, BABERGH DISTRICT COUNCIL AND BRAINTREE DISTRICT COUNCIL

Application Document 6.4

Pylon Reference Numbers

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

G-AP10 G-AP7 G-AP8 G-AP14
G-DAP5 G-DAP6 G-DAP7 G-DAP8
4YLA002 4YLA003 4YLA004 4YLA005 4YLA6A

Stour Valley West Cable Sealing End Compound

EM-G06: The design allows for an area of landscape planting around the cable sealing end compound at Stour Valley West. The embedded planting will be maintained for the life of the cable sealing end compound.

Legend

- Section boundaries
- Order Limits
- Limits of deviation
- Proposed pylon
- Proposed gantry
- Existing pylon
- Existing gantry
- Proposed pylon modification works
- Proposed pylon realignment
- Proposed pylon removal
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- Proposed overhead line
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- Cable sealing end compound
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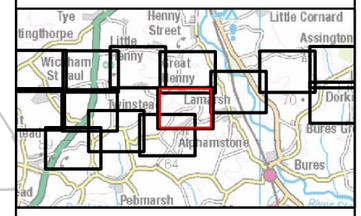
- Permanent access route
- Assumed horizontal directional drilling pits
- Temporary construction compound
- Embedded planting
- Trenchless crossings

Temporary access route
- Use of existing track or trackway protection
- 4m access route with 4m soil storage
- 7m access route
- 7m access route with 4m soil storage
- Access points

Access route crossings
- Temporary bridges

Underground cable watercourse crossings
- Trenchless crossing
- Open cut

This figure shows the Proposed Alignment
See Environmental Statement Chapter 4: Project Description for further details **(application document 6.2.4)**



NG Investment No. ETX/01142

ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
A	04/2023	Rev A for DCO Application	PM	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE: Figure 4.1 The Project

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

GIS

ORIGINATOR DRAWING NO. AAA_BTT_Figure_4_1_Rev0

A3

NG DRAWING No. BT-JAC-020631-500-0072

SCALE: 1:5000

SHEET NO. 27

NO. OF SHEETS 30

ISSUE: A

0 50 100 150 200 250 Meters

236000
235500
587000
587500
588000

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
PINS APPLICATION NUMBER: EN020002
THE PROJECT
REGULATION 5(2)(a)
SHEET 28 OF 30
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Application Document 6.4

Pylon Reference Numbers

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4YLA	Existing 400kV overhead line
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EM-G06: The design allows for an area of landscape planting around the cable sealing end compound at Stour Valley West. The embedded planting will be maintained for the life of the cable sealing end compound.

G-AP14
4YLA005
H-AP13
H-AP12
G-AP11
G-AP12
4YLA6A
4YLA6B
Stour Valley West Cable Sealing End Compound
H-AP10
4YLA006
4YLA6C
G-AP12
H-AP11
4LYA7
12
9
1.52m RH
400kV
ETL
Track
Workings (dis)
Pond
Drain
Issues
Cobbs Farm
Farm
Und
Alphamstone House
Barnfield
The Pightle
Bramleys
Cedarholm
Spindles
Sparrowcroft
ROAD
PEBMARSH
Windrush
69.8m
Mid Farms
Cranfields
Tudor Cottage
Kobi Cottage
PEBMARSH ROAD
71.9m
Goulds West
GP
LB
Gamley Field
Cottage Pond
Mill
Wind Turbine
Moat
Abbots Pond
HENNY
RABB'S CORNER
The Old Rectory
Rose Cottage
Bottle House
The Shelling
Heyes
Alphamstone
GP
The Old School House
Upper Green
Hall
ROAD
Greenways
Wellhouse
Council Houses
61.6m
FB

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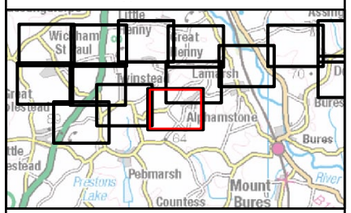

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ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
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PROJECT: Bramford to Twinstead Reinforcement

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TITLE :
Figure 4.1
The Project

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ORIGINATOR DRAWING NO. AAA_BTT_Figure_4_1_Rev0		A3
NG DRAWING No. BT-JAC-020631-500-0072	SHEET NO. 28 / NO. OF SHEETS 30	ISSUE: A
SCALE : 1:5000		

0 50 100 150 200 250 Meters

235500
235000
234500
586500
587000
587500

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REGULATION 5(2)(a)
SHEET 29 OF 30
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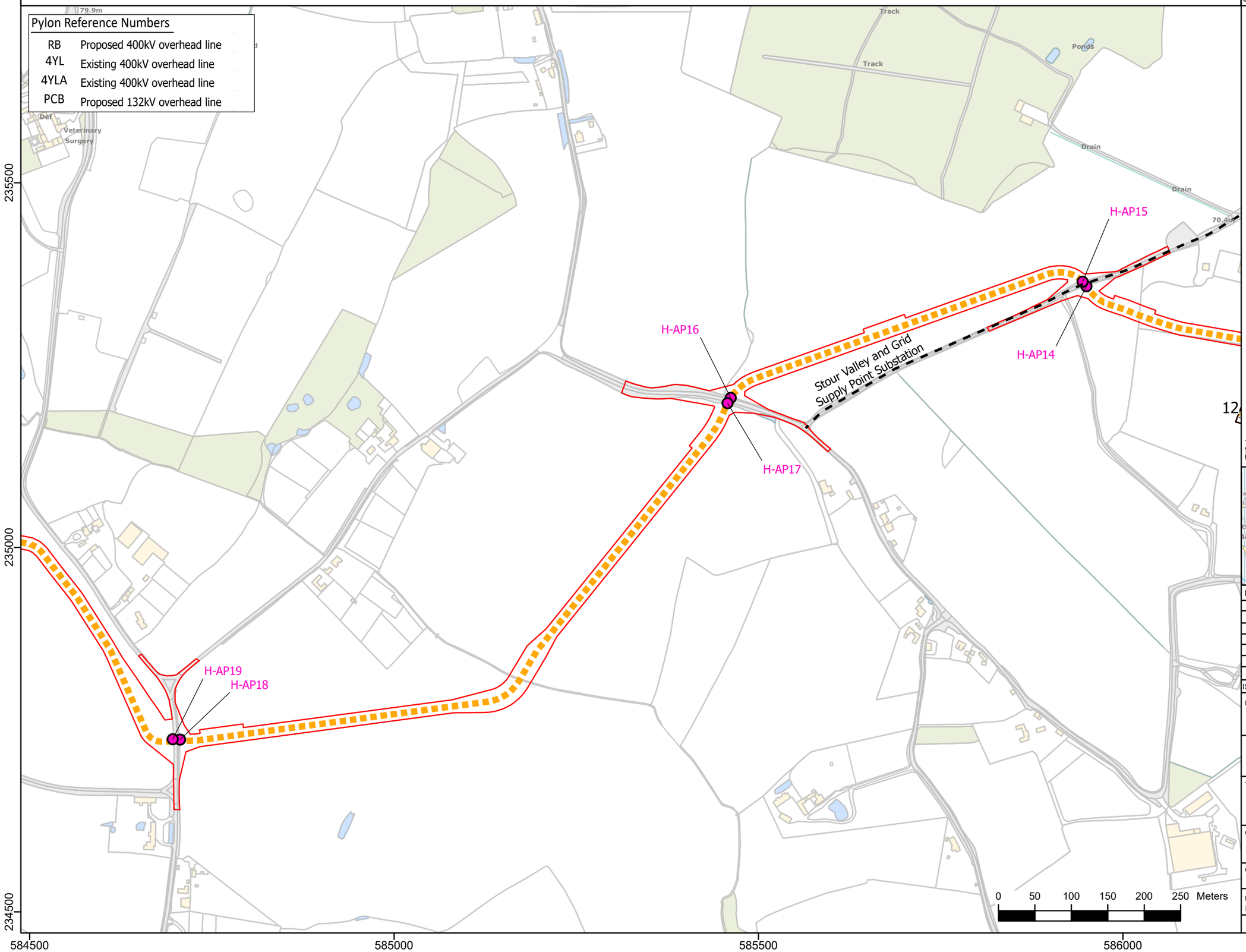

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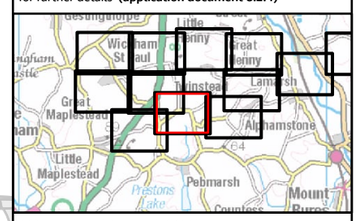

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ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
A	04/2023	Rev A for DCO Application	PM	LJ	CW

PROJECT: Bramford to Twinstead Reinforcement

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ORIGINATOR DRAWING NO. AAA_BTT_Figure_4_1_Rev0	A3
NG DRAWING No. BT-JAC-020631-500-0072	SHEET NO. 29 / NO. OF SHEETS 30 / ISSUE: A
SCALE : 1:5000	

NATIONAL GRID (BRAMFORD TO TWINSTEAD REINFORCEMENT) ORDER
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SHEET 30 OF 30
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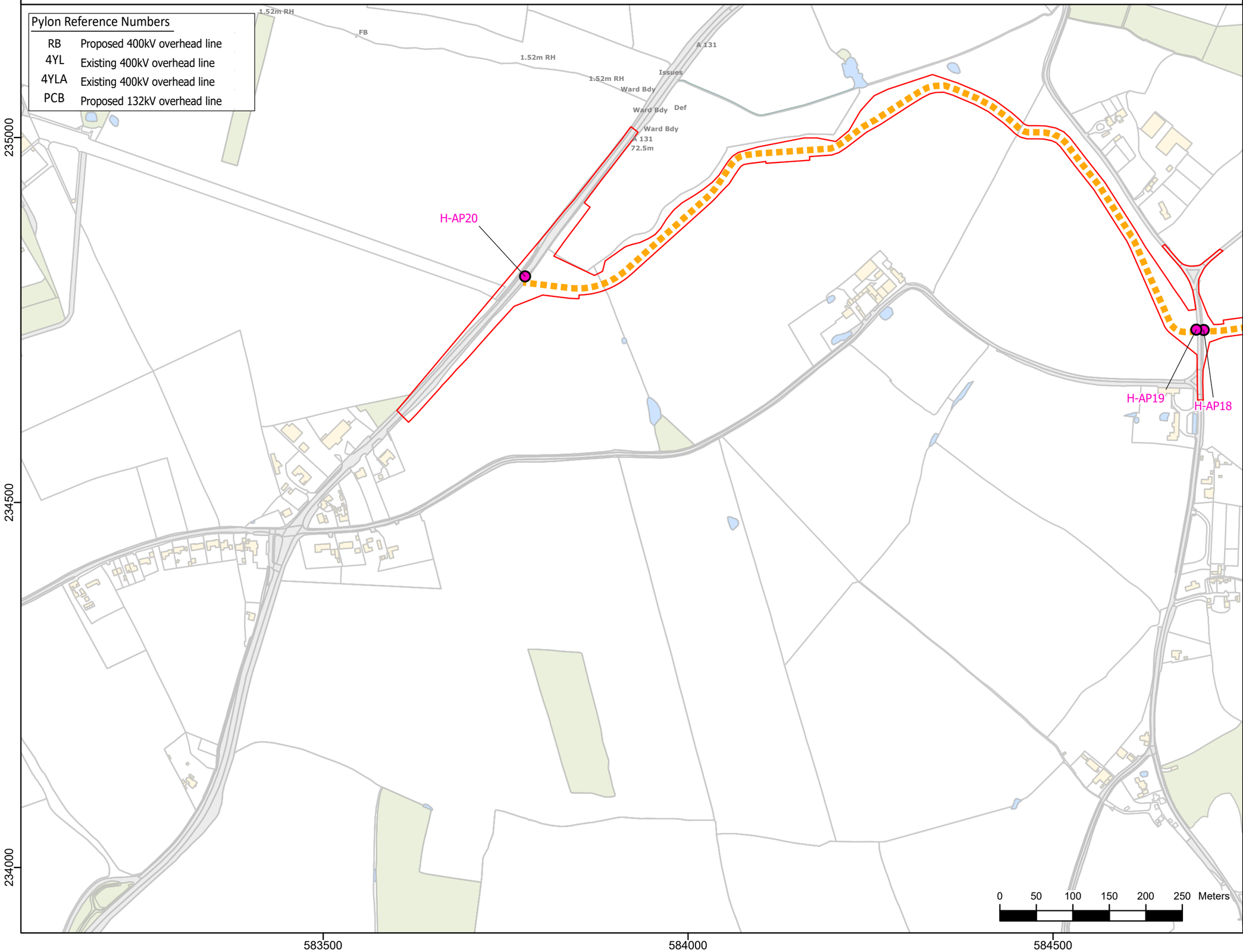

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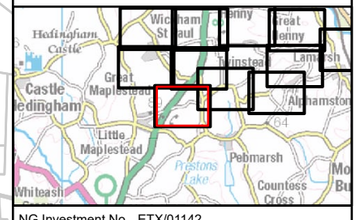

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SCALE : 1:5000	

National Grid House,
Warwick Technology Park,
Gallows Hill, Warwick.
CV34 6DA United Kingdom

Registered in England and Wales
No. 4031152
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