

BT-NG-020621-545-0173

Bramford to Twinstead Reinforcement

Volume 6: Environmental Information

Document 6.4.1: Environmental Statement
Figures (Part 1)

Final Issue A
April 2023

Planning Inspectorate Reference: EN020002

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



Page intentionally blank

Contents

6.4.1 Environmental Statement Figures Part 1:

Figure 6.1: Landscape and Visual Impact Assessment Study Area and Landscape Designations

Figure 6.2: Landform and Drainage

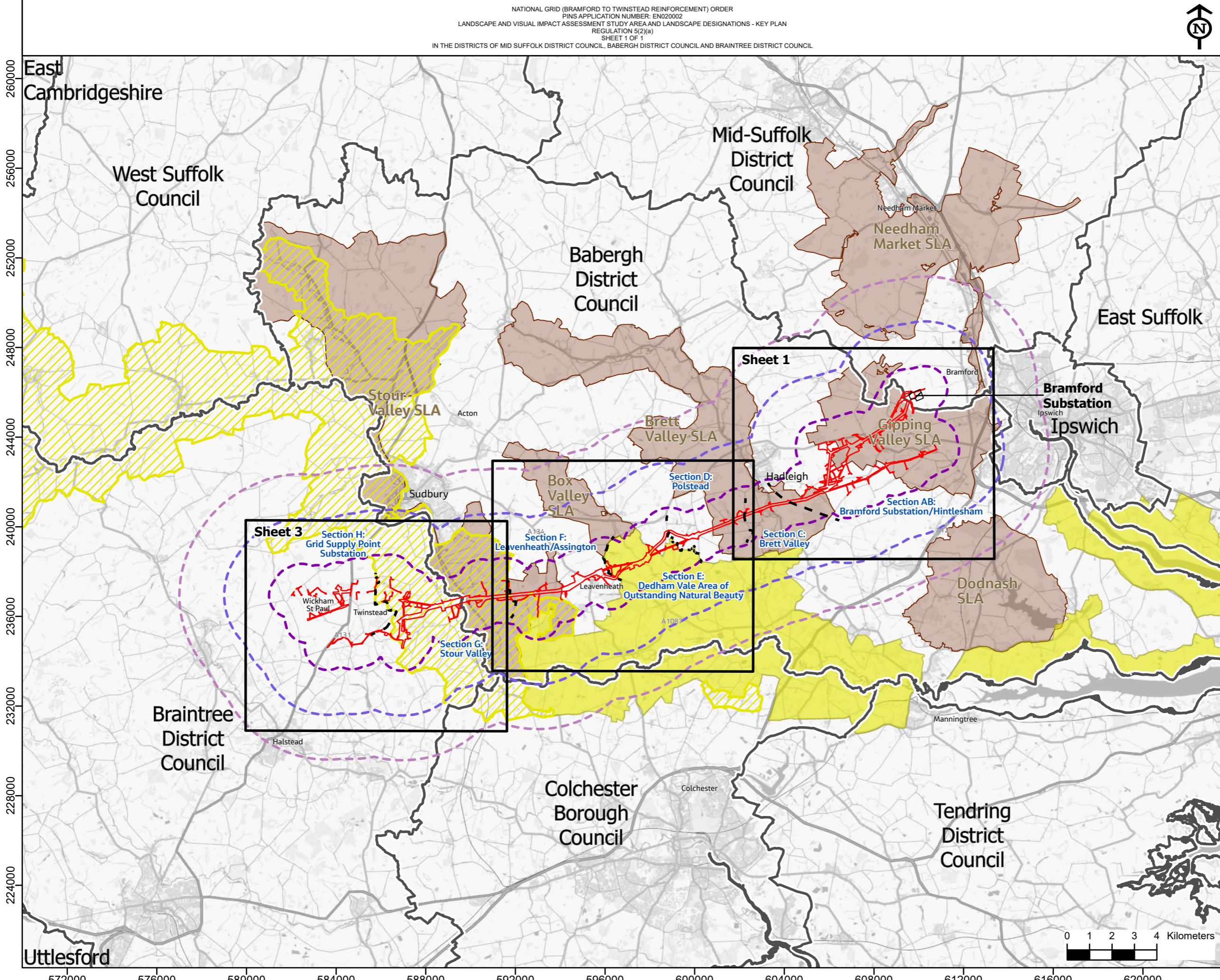
Figure 6.3: Tree Cover

Figure 6.4: Settlements and Infrastructure

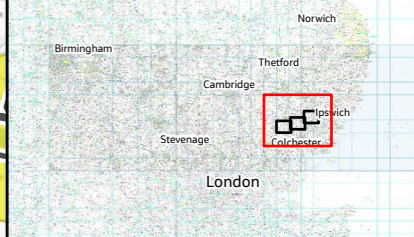
Figure 6.5: Landscape Character

Figure 6.6: Visual Receptors and Viewpoints

Figure 6.7: Comparative Zone of Theoretical Visibility (ZTV) of Pylons to be Removed and Proposed Pylons



- Legend**
- - - Section boundaries
 - Order Limits
 - ▭ Local authority districts
 - ▨ Existing Bramford Substation
 - ▨ Study area (5km)
 - ▨ Distance marker (3km)
 - ▨ Distance marker (1km)
 - Dedham Vale Area of Outstanding Natural Beauty (AONB)
 - ▨ Stour Valley Project Area (SVPA)
 - Special Landscape Areas (SLA)



NG Investment No. ETX/01142

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

PROJECT: **Bramford to Twinstead Reinforcement**

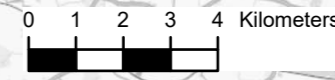


TITLE:
 6.1 Landscape and Visual Impact Assessment
 Study Area and Landscape
 Designations - Key Plan

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

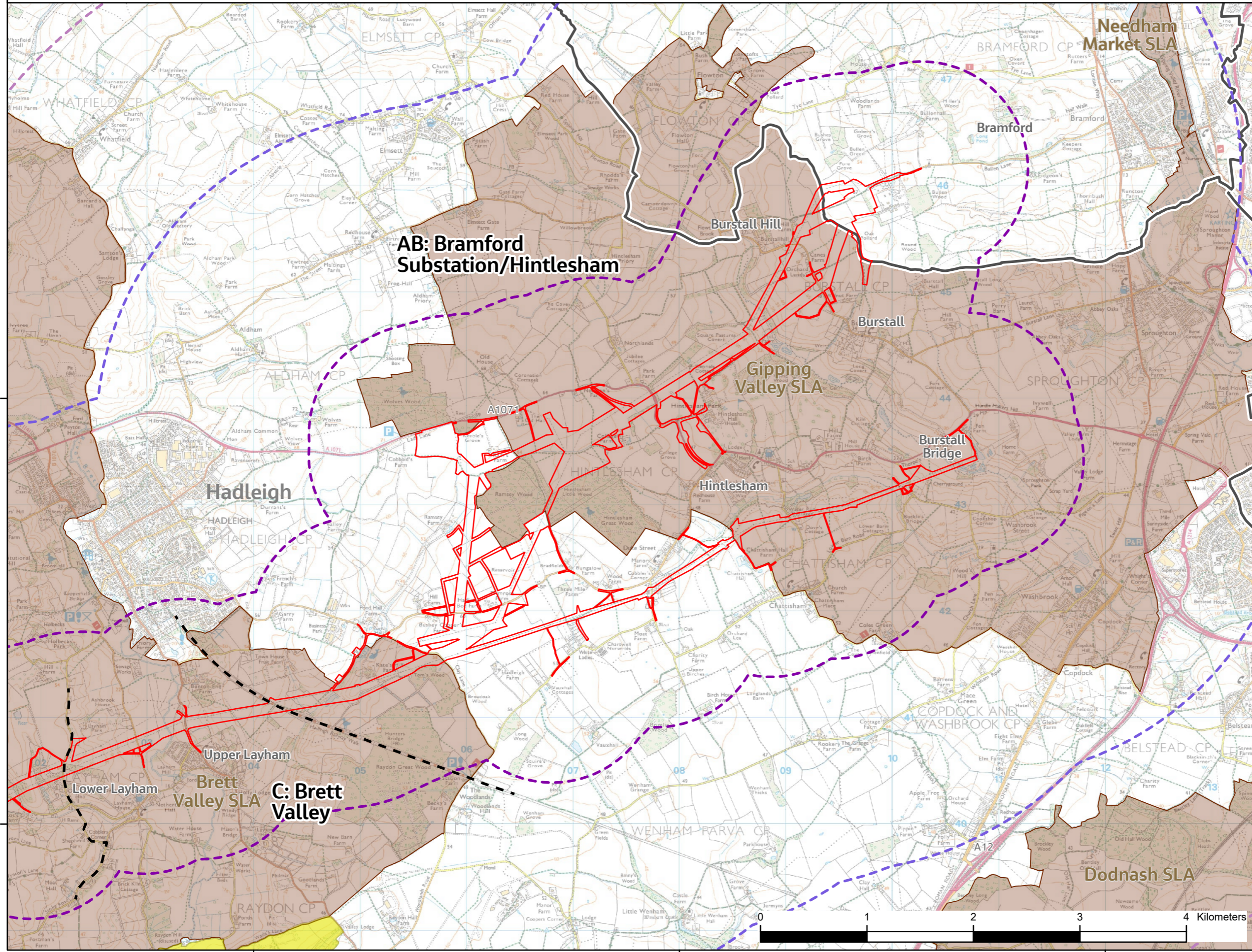
ORIGINATOR DRAWING NO.
 AAA_BTT_Figure 6_1a_Rev1

NG DRAWING No. BT-JAC-020631-500-0075	SHEET NO. 1	NO. OF SHEETS 1	ISSUE: A
------------------------------------------	----------------	--------------------	-------------





Reproduced from Ordnance Survey maps by permission of the Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office.
 © Crown copyright Ordnance Survey, Licence no. 0100052046.



- Legend**
- Section boundaries
 - Order Limits
 - Study area (5km)
 - Distance marker (3km)
 - Distance marker (1km)
 - Local authority districts
 - Dedham Vale Area of Outstanding Natural Beauty (AONB)
 - Stour Valley Project Area (SVPA)
 - Special Landscape Areas (SLA)



NG Investment No. ETX/01142

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

PROJECT: **Bramford to Twinstead Reinforcement**

nationalgrid

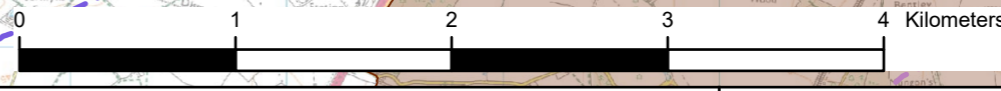
TITLE:
 6.1 Landscape and Visual Impact Assessment
 Study Area and Landscape
 Designations

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

ORIGINATOR DRAWING NO.
 AAA_BTT_Figure_6_1bcd_Rev1

NG DRAWING No. BT-JAC-020631-500-0075	SHEET NO. 1	NO. OF SHEETS 3	ISSUE: A
------------------------------------------	----------------	--------------------	-------------

SCALE: 1:35000



604000

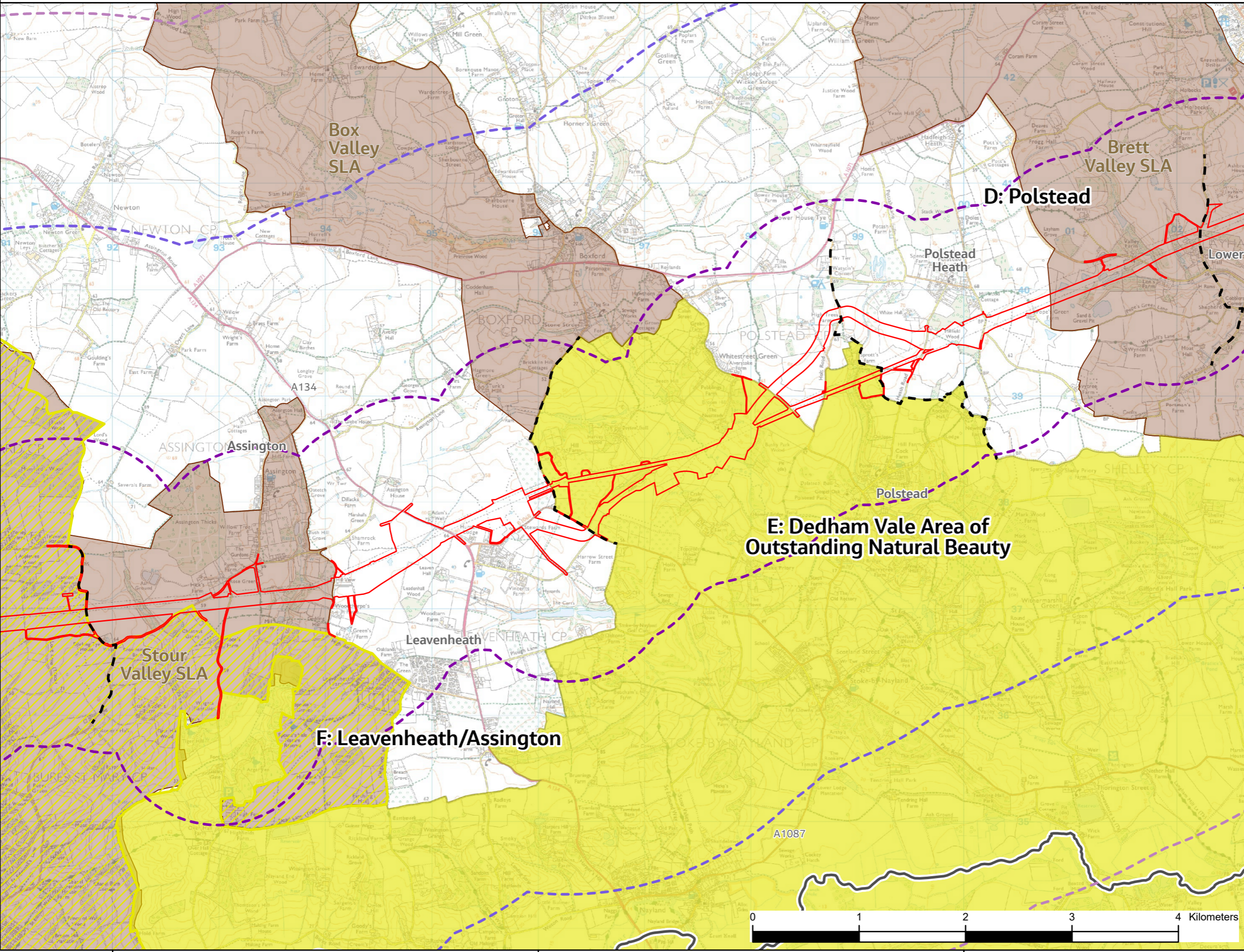
608000

612000



Reproduced from Ordnance Survey maps by permission of the Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office.
 © Crown copyright Ordnance Survey, Licence no. 0100052046.

- Legend**
- Section boundaries
 - Order Limits
 - Study area (5km)
 - Distance marker (3km)
 - Distance marker (1km)
 - Local authority districts
 - Dedham Vale Area of Outstanding Natural Beauty (AONB)
 - Stour Valley Project Area (SVPA)
 - Special Landscape Areas (SLA)



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE:
 6.1 Landscape and Visual Impact Assessment Study Area and Landscape Designations

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

ORIGINATOR DRAWING NO. AAA_BTT_Figure_6_1bcd_Rev1	A3
------------------------------------------------------	----

NG DRAWING No. BT-JAC-020631-500-0075	SHEET NO. 2	NO. OF SHEETS 3	ISSUE: A
------------------------------------------	----------------	--------------------	-------------



240000

236000

592000

596000

600000



Reproduced from Ordnance Survey maps by permission of the Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office.
 © Crown copyright Ordnance Survey, Licence no. 0100052046.

240000

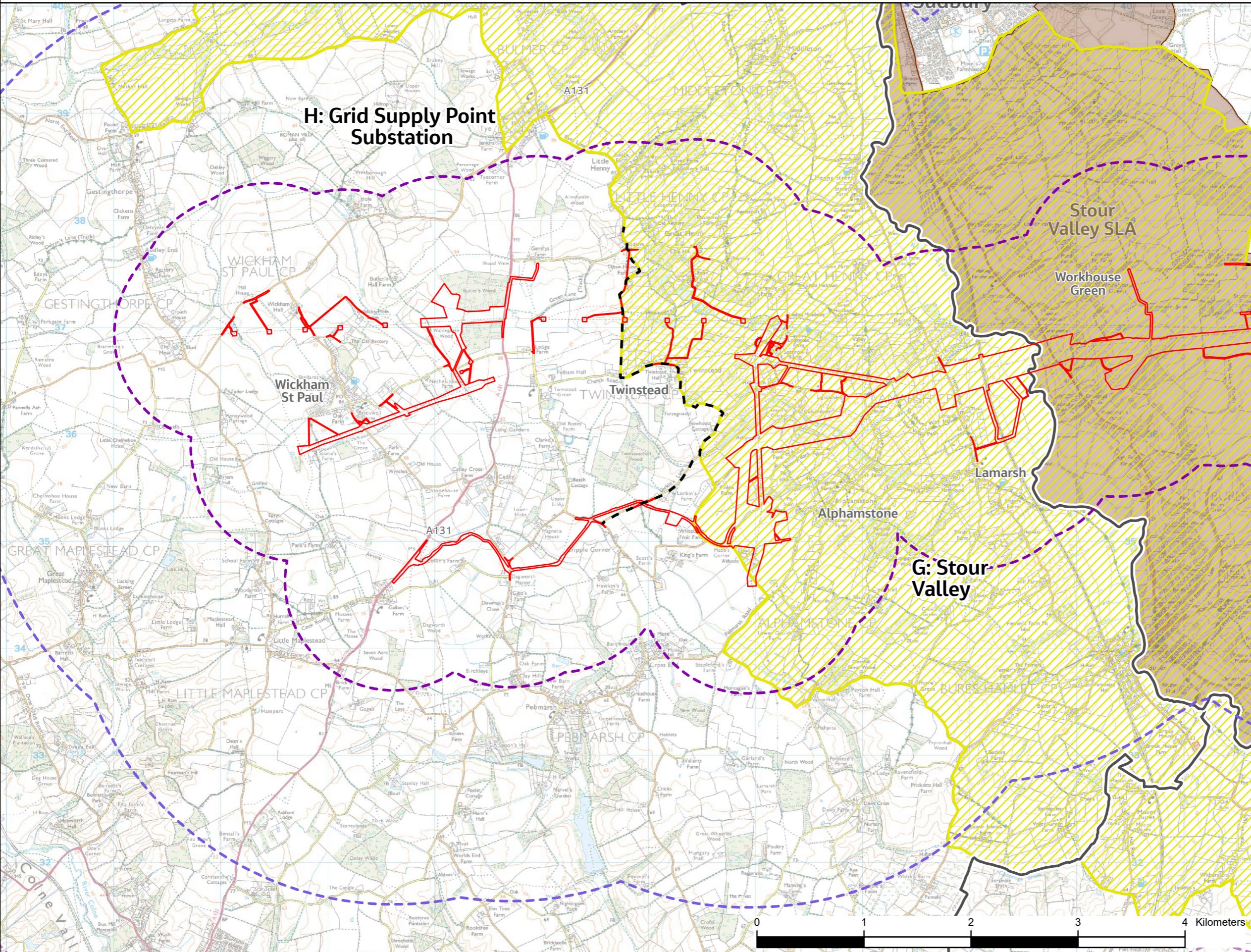
236000

232000

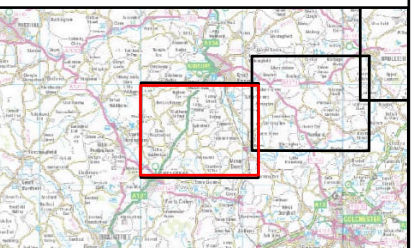
580000

584000

588000



- Legend**
- Section boundaries
 - Order Limits
 - Study area (5km)
 - Distance marker (3km)
 - Distance marker (1km)
 - ▭ Local authority districts
 - ▭ Dedham Vale Area of Outstanding Natural Beauty (AONB)
 - ▨ Stour Valley Project Area (SVPA)
 - ▨ Special Landscape Areas (SLA)



NG Investment No. ETX/01142

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

PROJECT: **Bramford to Twinstead Reinforcement**

nationalgrid

TITLE:
 6.1 Landscape and Visual Impact Assessment
 Study Area and Landscape
 Designations

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

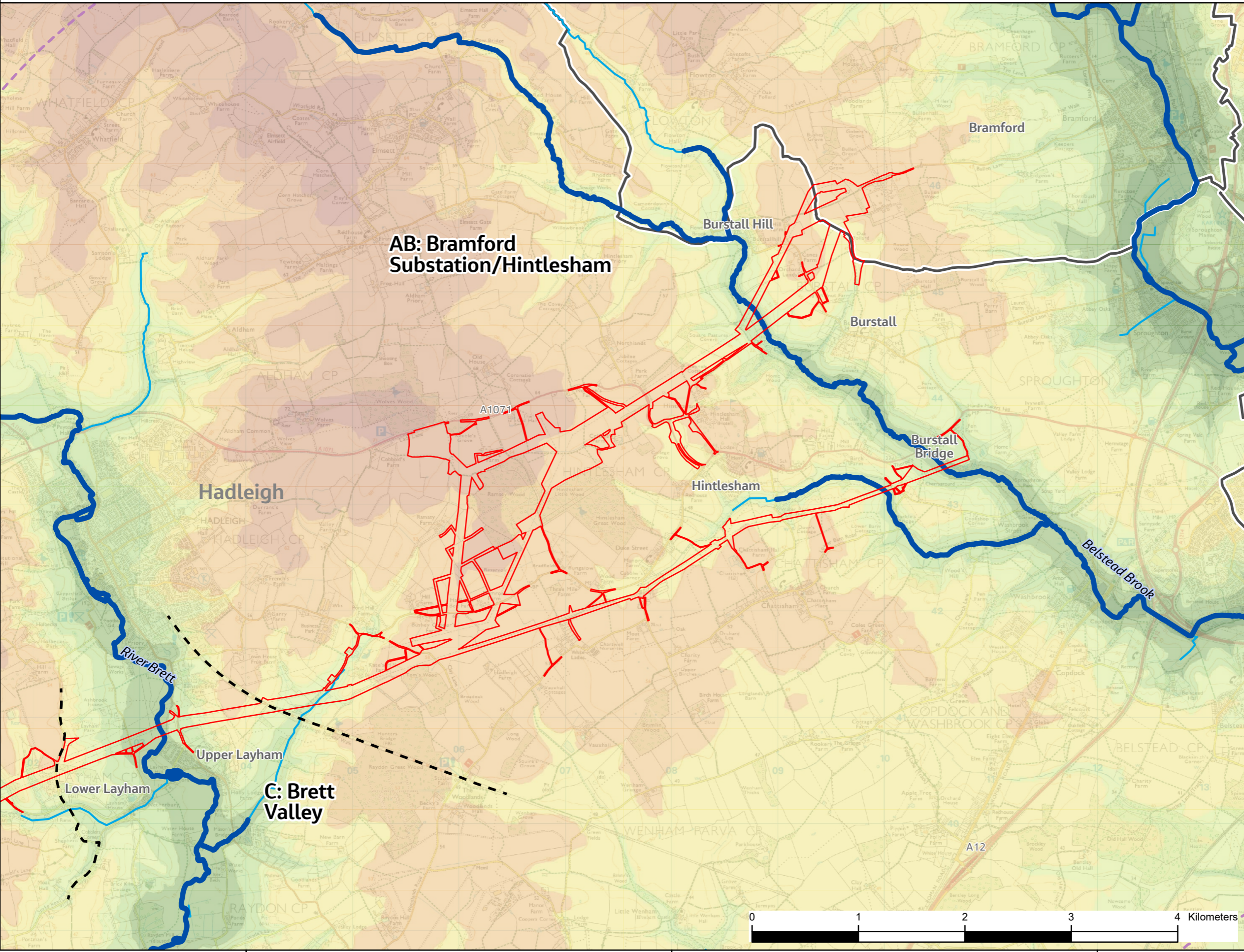
ORIGINATOR DRAWING NO.
 AAA_BTT_Figure_6_1bcd_Rev1

NG DRAWING No. BT-JAC-020631-500-0075	SHEET NO. 3	NO. OF SHEETS 3	ISSUE: A
------------------------------------------	----------------	--------------------	-------------

SCALE: 1:35000



Reproduced from ordnance survey maps by permission of the
 ordnance survey on behalf of the controller of her majesty's
 stationery office.
 © Crown copyright ordnance survey, Licence no. 0100052046.



Legend

- - - Section boundaries
- Order Limits
- Study area (5km)
- Local authority districts
- Main rivers
- Non-main rivers and watercourses

Elevation (m)

- 0 - 10
- 10 - 20
- 20 - 30
- 30 - 40
- 40 - 50
- 50 - 60
- 60 - 70
- 70 - 80
- 80 - 90
- 90 - 100
- 100 - 110
- 110 - 120
- 120 +



NG Investment No. ETX/01142

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

PROJECT: **Bramford to Twinstead Reinforcement**

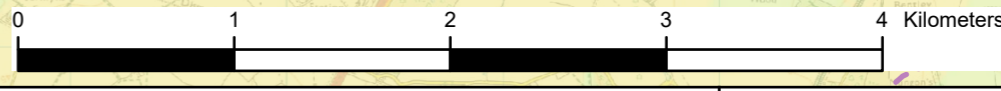
nationalgrid

TITLE: **6.2 Landform and Drainage**

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

ORIGINATOR DRAWING NO. **AAA_BTT_Figure_6_2bcd_Rev1** **A3**

NG DRAWING No. BT-JAC-020631-500-0076	SHEET NO. 1	NO. OF SHEETS 3	ISSUE: A
SCALE: 1:35000			



244000

240000

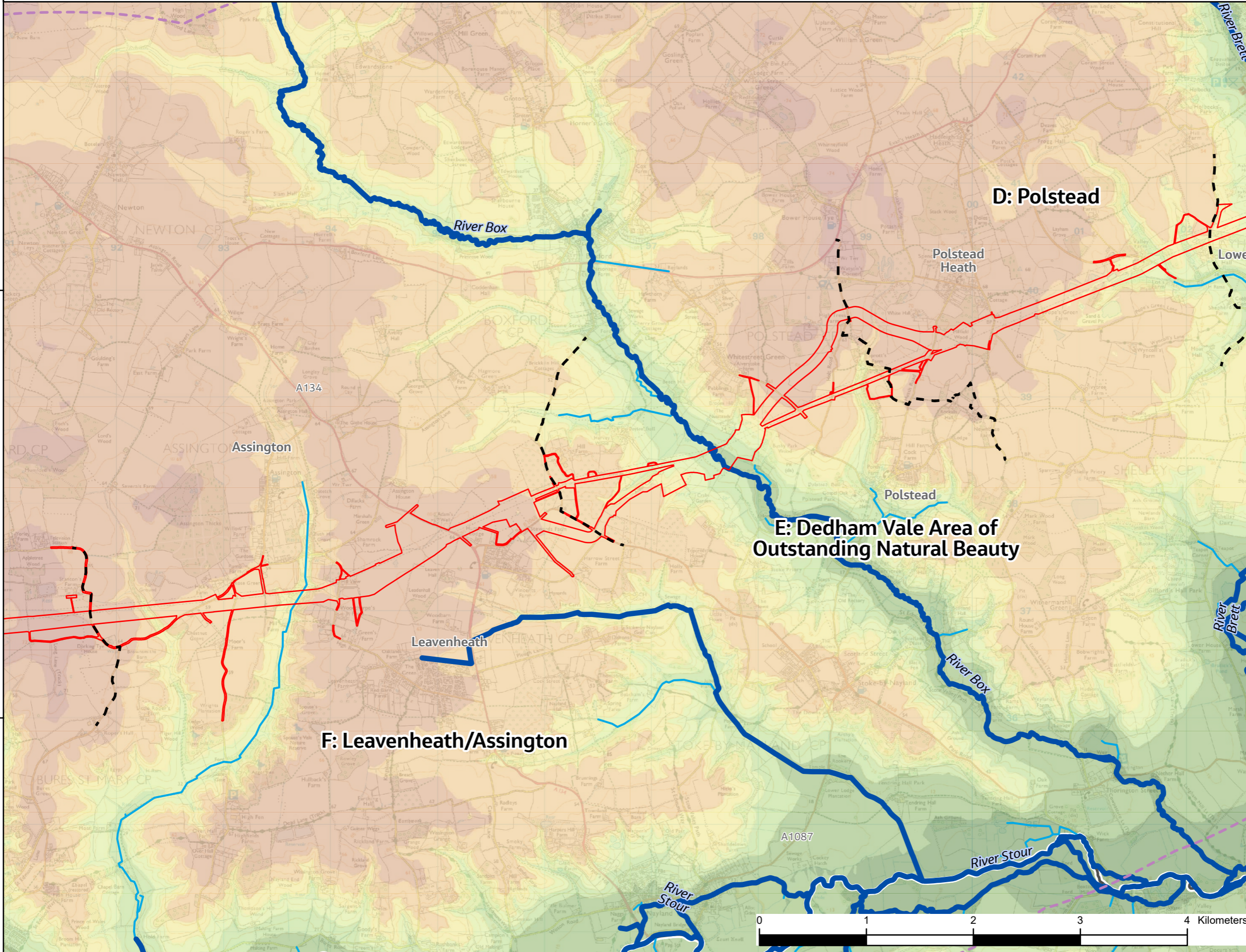
604000

608000

612000

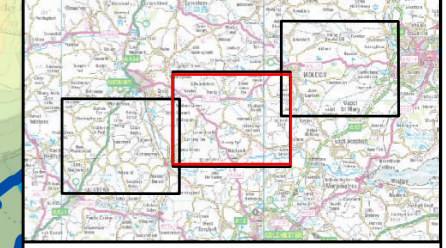


Reproduced from Ordnance Survey maps by permission of the Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office.
 © Crown copyright Ordnance Survey, Licence no. 0100052046.



- Legend**
- - - Section boundaries
 - Order Limits
 - Study area (5km)
 - Local authority districts
 - Main rivers
 - Non-main rivers and watercourses

- Elevation (m)**
- 0 - 10
 - 10 - 20
 - 20 - 30
 - 30 - 40
 - 40 - 50
 - 50 - 60
 - 60 - 70
 - 70 - 80
 - 80 - 90
 - 90 - 100
 - 100 - 110
 - 110 - 120
 - 120 +



NG Investment No. ETX/01142

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

PROJECT: **Bramford to Twinstead Reinforcement**

nationalgrid

TITLE:
6.2 Landform and Drainage

CIRCUIT / SITE : Bramford – Pelham & Bramford – Braintree – Bulls Lodge		GIS
ORIGINATOR DRAWING NO. AAA_BTT_Figure_6_2bcd_Rev1		A3
NG DRAWING No. BT-JAC-020631-500-0076	SHEET NO. 2	NO. OF SHEETS 3
SCALE: 1:35000		ISSUE: A



Reproduced from Ordnance Survey maps by permission of the Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office.
 © Crown copyright Ordnance Survey, Licence no. 0100052046.

240000

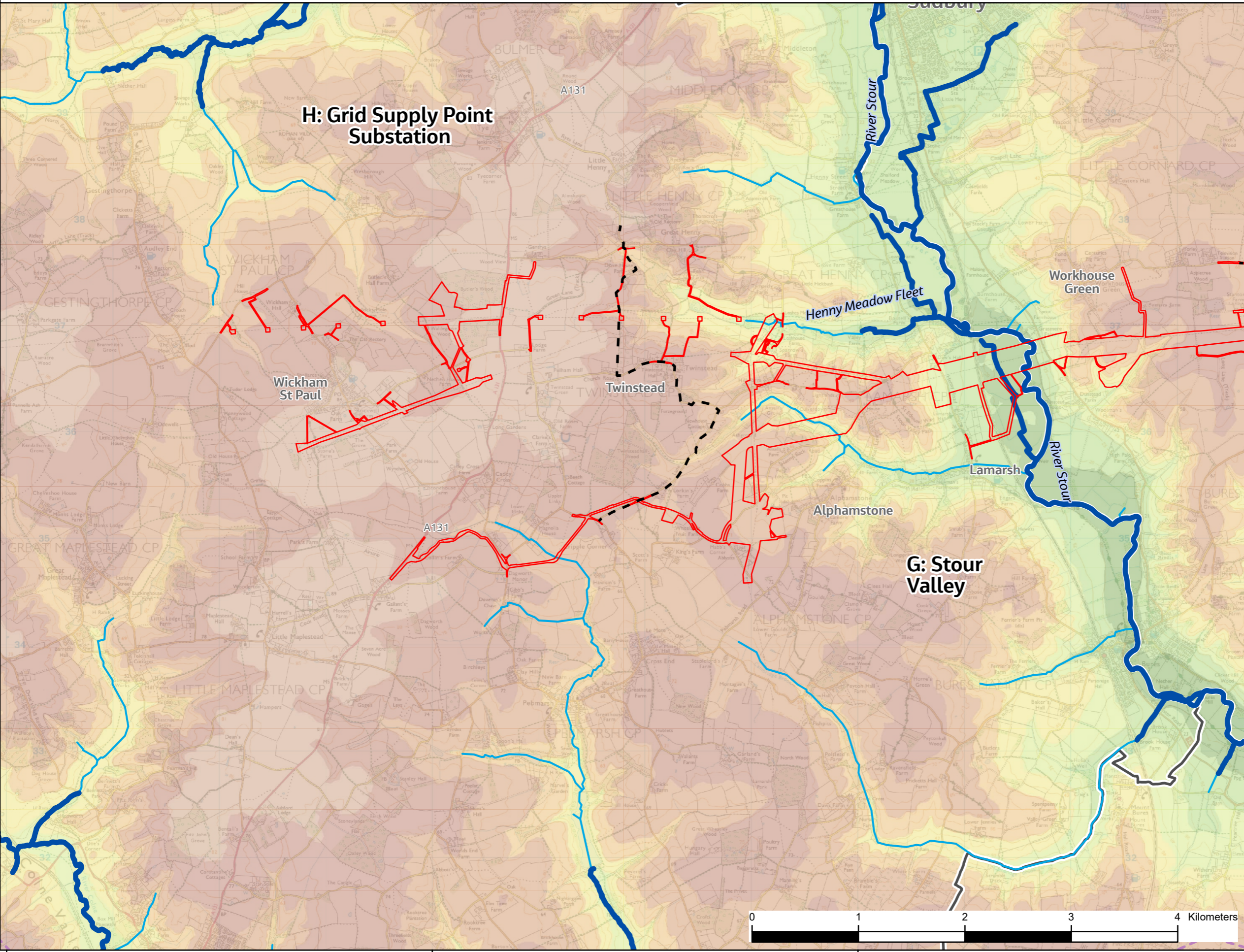
236000

232000

580000

584000

588000



- Legend**
- - - Section boundaries
 - Order Limits
 - Study area (5km)
 - Local authority districts
 - Main rivers
 - Non-main rivers and watercourses

- Elevation (m)**
- 0 - 10
 - 10 - 20
 - 20 - 30
 - 30 - 40
 - 40 - 50
 - 50 - 60
 - 60 - 70
 - 70 - 80
 - 80 - 90
 - 90 - 100
 - 100 - 110
 - 110 - 120
 - 120 +



NG Investment No. ETX/01142

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

PROJECT: **Bramford to Twinstead Reinforcement**

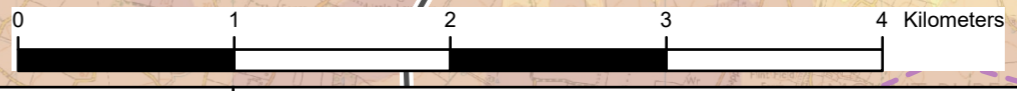
nationalgrid

TITLE:
6.2 Landform and Drainage

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

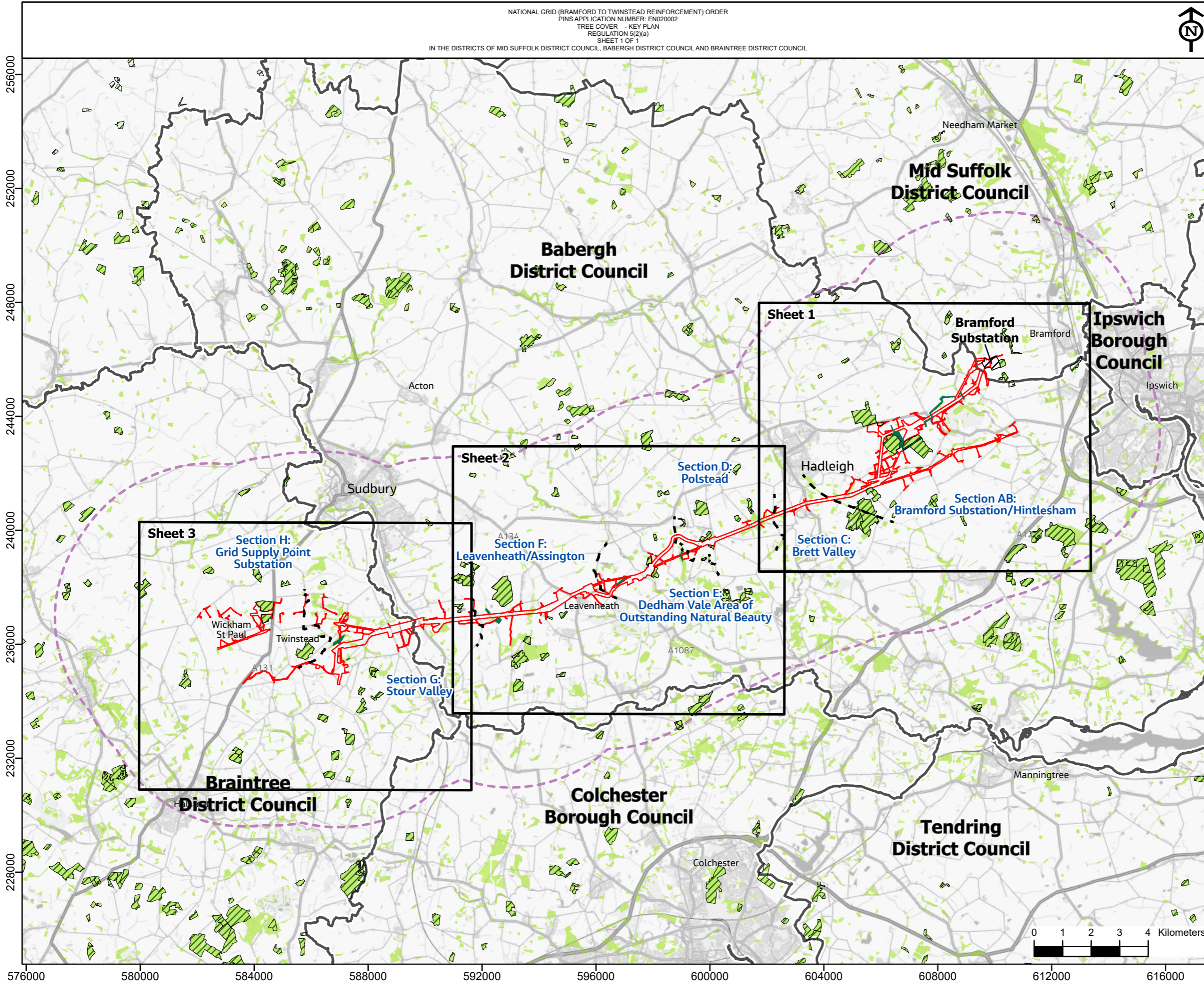
ORIGINATOR DRAWING NO.
 AAA_BTT_Figure_6_2bcd_Rev1

NG DRAWING No. BT-JAC-020631-500-0076	SHEET NO. 3	NO. OF SHEETS 3	ISSUE: A
------------------------------------------	----------------	--------------------	-------------



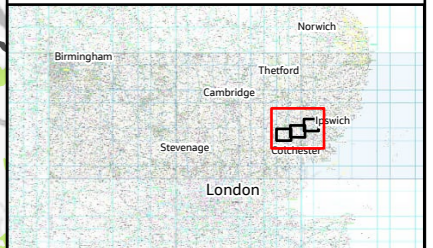


Contains OS data © Crown Copyright and database right 2020



Legend

- Section boundaries
- Order Limits
- ▭ Local authority districts
- ▨ Existing Bramford Substation
- ▭ Study area (5km)
- ▨ Ancient woodland
- ▨ Potential Ancient Woodland (PoAW) (2021)
- ▭ National Forest Inventory
- ▨ Woodland



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement



TITLE:
6.3 Tree Cover - Key Plan

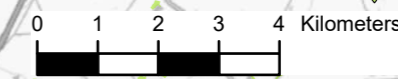
CIRCUIT / SITE:
Bramford – Pelham & Bramford – Braintree – Bulls Lodge

GIS

ORIGINATOR DRAWING NO.
AAA_BTT_Figure 6_3a_Rev1

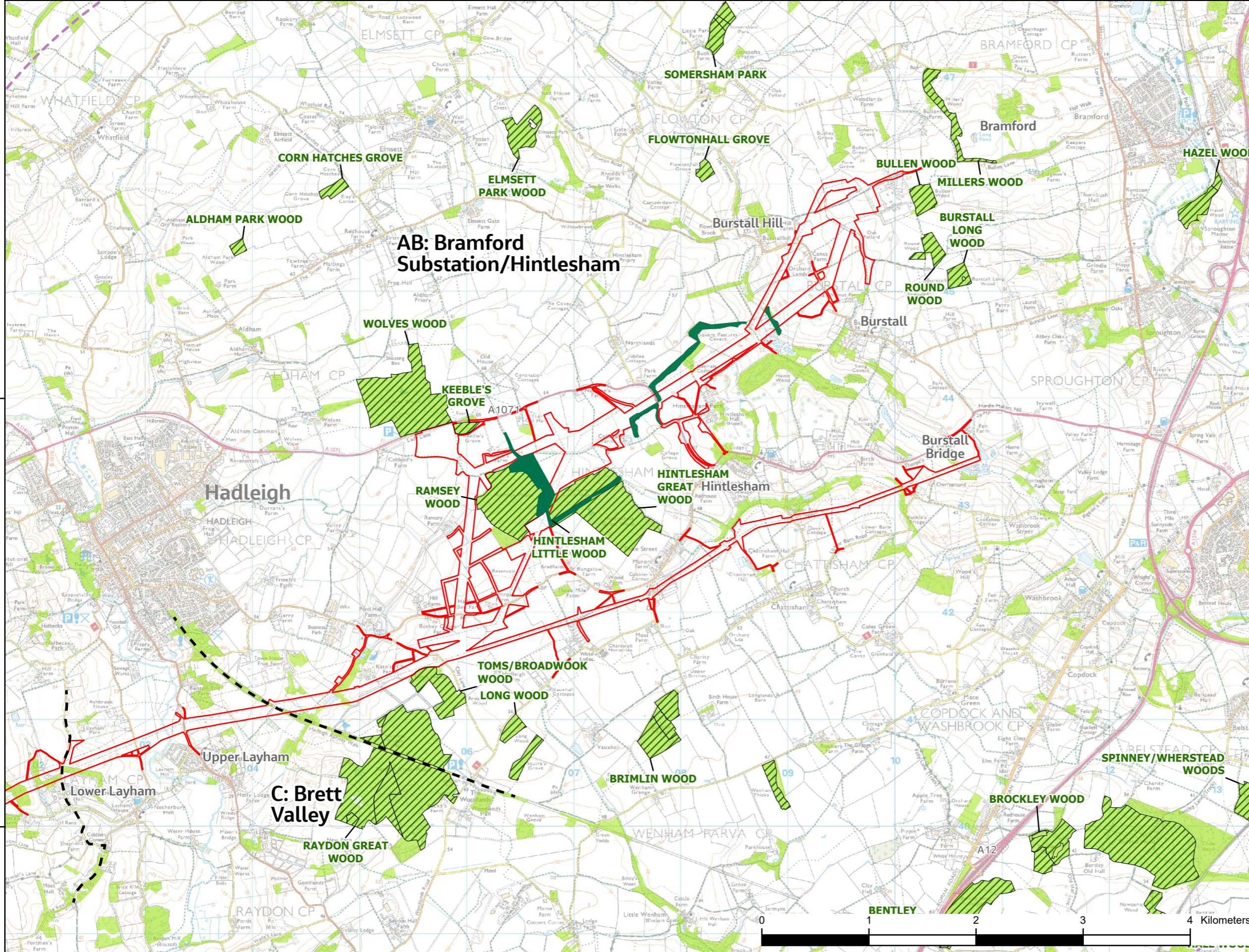
A3

NG DRAWING No. BT-JAC-020631-500-0077	SHEET NO. 1	NO. OF SHEETS 1	ISSUE: A
------------------------------------------	----------------	--------------------	-------------





Reproduced from ordnance survey maps by permission of the
 ordnance survey on behalf of the controller of her majesty's
 stationery office.
 © Crown copyright ordnance survey, Licence no. 0100052046.



- Legend**
- Section boundaries
 - Order Limits
 - Study area (5km)
 - Ancient woodland
 - Potential Ancient Woodland (PoAW) (2021)
 - National Forest Inventory
 - Woodland

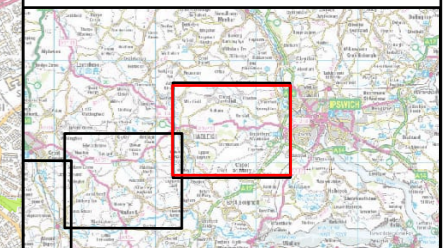
244000

240000

604000

608000

612000



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE: 6.3 Tree Cover

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

ORIGINATOR DRAWING NO. AAA_BTT_Figure_6_3bcd_Rev1 A3

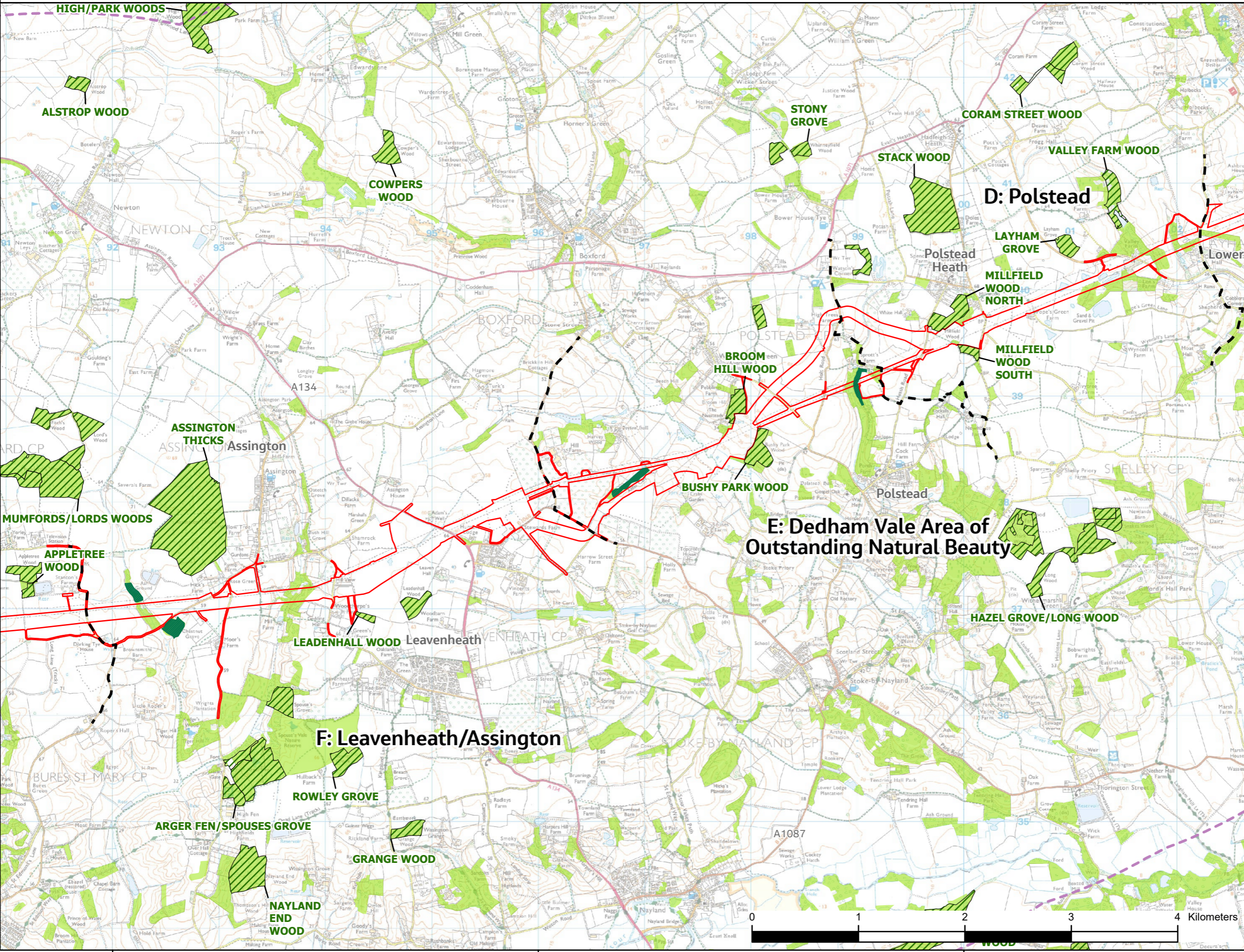
NG DRAWING No. BT-JAC-020631-500-0077	SHEET NO. 1	NO. OF SHEETS 3	ISSUE: A
---------------------------------------	-------------	-----------------	----------

SCALE: 1:35000





Reproduced from ordnance survey maps by permission of the
 ordnance survey on behalf of the controller of her majesty's
 stationery office.
 © Crown copyright ordnance survey, Licence no. 0100052046.



- Legend**
- Section boundaries
 - Order Limits
 - Study area (5km)
 - Ancient woodland
 - Potential Ancient Woodland (PoAW) (2021)
 - National Forest Inventory
 - Woodland



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE:
6.3 Tree Cover

CIRCUIT / SITE : Bramford – Pelham & Bramford – Braitree – Bulls Lodge		GIS
ORIGINATOR DRAWING NO. AAA_BTT_Figure_6_3bcd_Rev1		A3
NG DRAWING No. BT-JAC-020631-500-0077	SHEET NO. 2	NO. OF SHEETS 3
SCALE: 1:35000		ISSUE: A



592000

596000

600000



Reproduced from ordnance survey maps by permission of the controller of her majesty's stationery office.
 © Crown copyright ordnance survey, Licence no. 0100052046.

240000

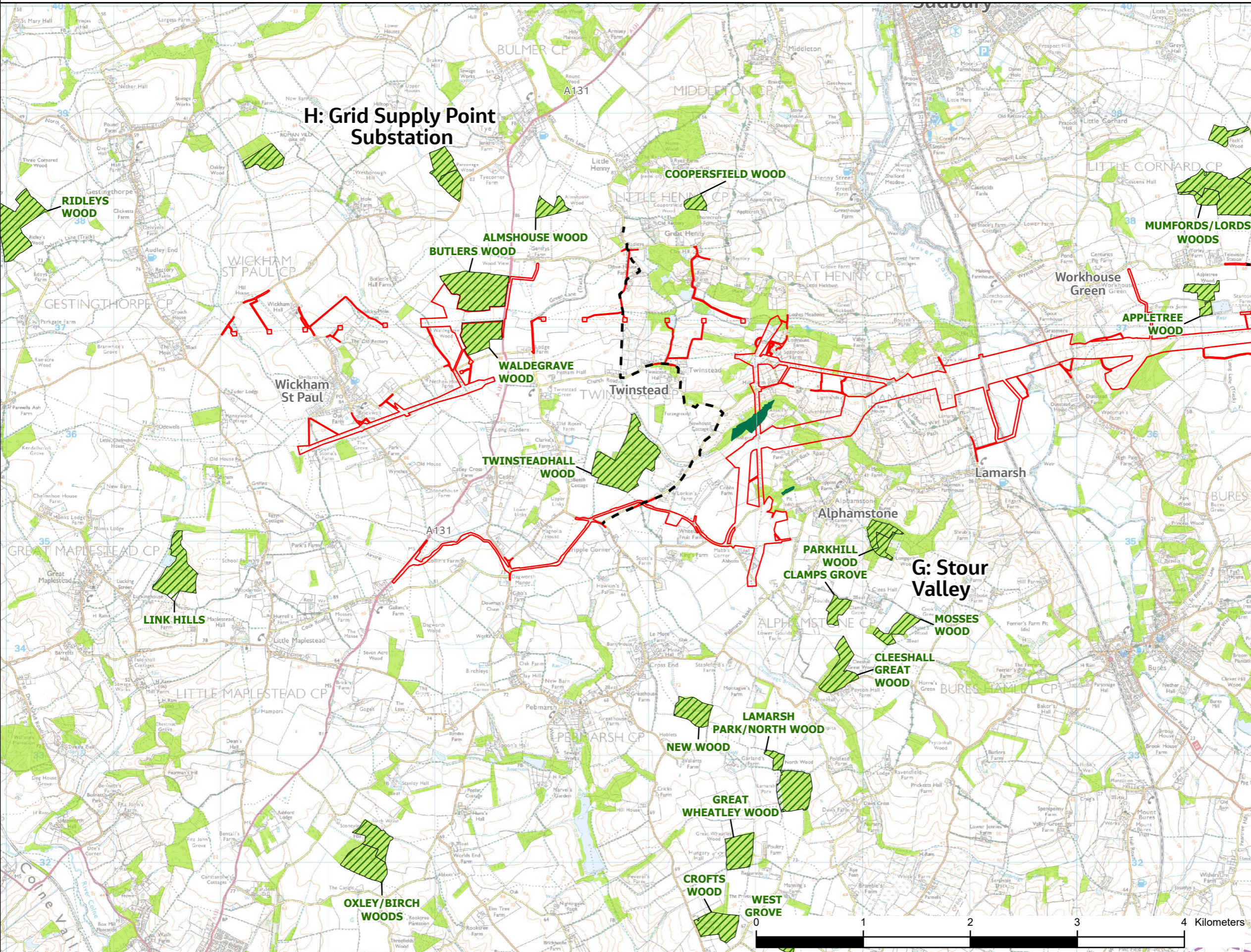
236000

232000

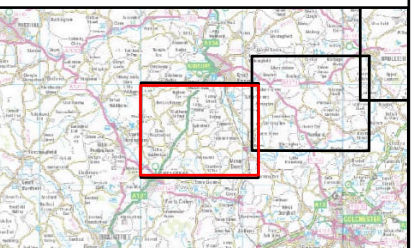
580000

584000

588000



- Legend**
- Section boundaries
 - Order Limits
 - Study area (5km)
 - Ancient woodland
 - Potential Ancient Woodland (PoAW) (2021)
 - National Forest Inventory
 - Woodland



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE: 6.3 Tree Cover

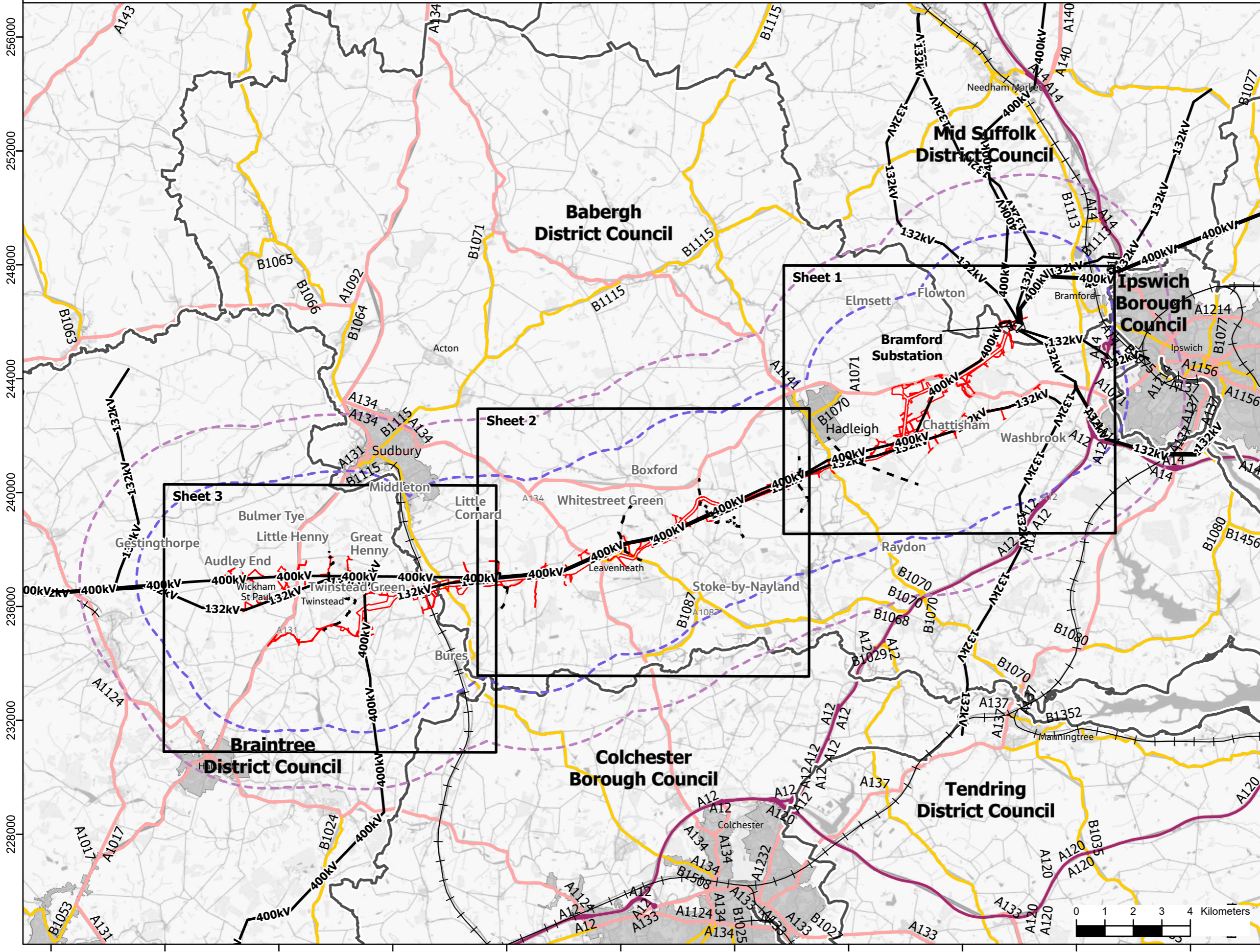
CIRCUIT / SITE : Bramford – Pelham & Bramford – Braintree – Bulls Lodge

ORIGINATOR DRAWING NO. AAA_BTT_Figure_6_3bcd_Rev1

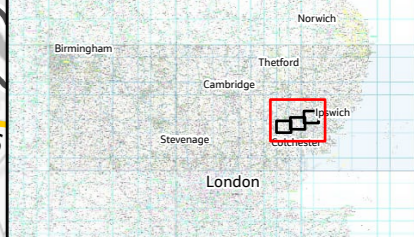
NG DRAWING No. BT-JAC-020631-500-0077	SHEET NO. 3	NO. OF SHEETS 3	ISSUE: A
---------------------------------------	-------------	-----------------	----------

SCALE: 1:35000





- Legend**
- Section boundaries
 - Order Limits
 - ▭ Local authority districts
 - ▨ Existing Bramford Substation
 - Distance marker (3km)
 - Study area (5km)
 - +— Railway Line
 - Urban settlements
 - Trunk Road
 - A road
 - B road



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement



TITLE: 6.4 Settlements and Infrastructure - Key Plan

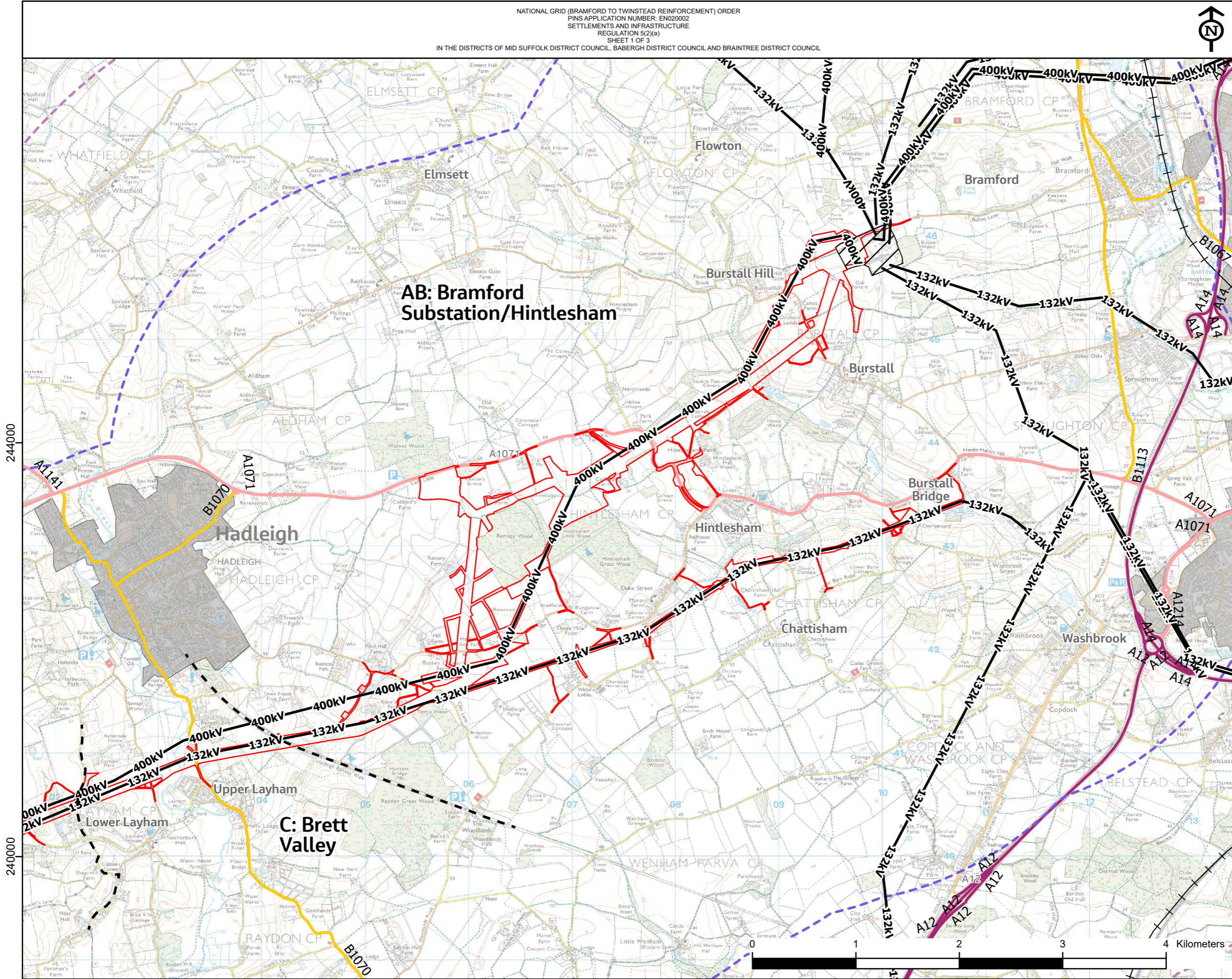
CIRCUIT / SITE: Bramford – Pelham & Bramford – Braintree – Bulls Lodge

ORIGINATOR DRAWING NO. AAA_BTT_Figure 6_4a_Rev1

NG DRAWING No. BT-JAC-020631-500-0078	SHEET NO. 1	NO. OF SHEETS 1	ISSUE: A
---------------------------------------	-------------	-----------------	----------

Reproduced from ordnance survey maps by permission of the
 Ordnance Survey on behalf of the controller of her majesty's
 stationery office.
 © Crown copyright Ordnance Survey, Licence no. 0100052046.

- Legend**
- Section boundaries
 - Order Limits
 - Distance marker (3km)
 - Study area (5km)
 - Existing overhead line
 - ▭ Existing Bramford Substation
 - Railway Line
 - Urban settlements
 - Trunk Road
 - A road
 - B road



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE:
6.4 Settlements and Infrastructure

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

ORIGINATOR DRAWING NO.
AAA_BTT_Figure_6_4bcd_Rev1

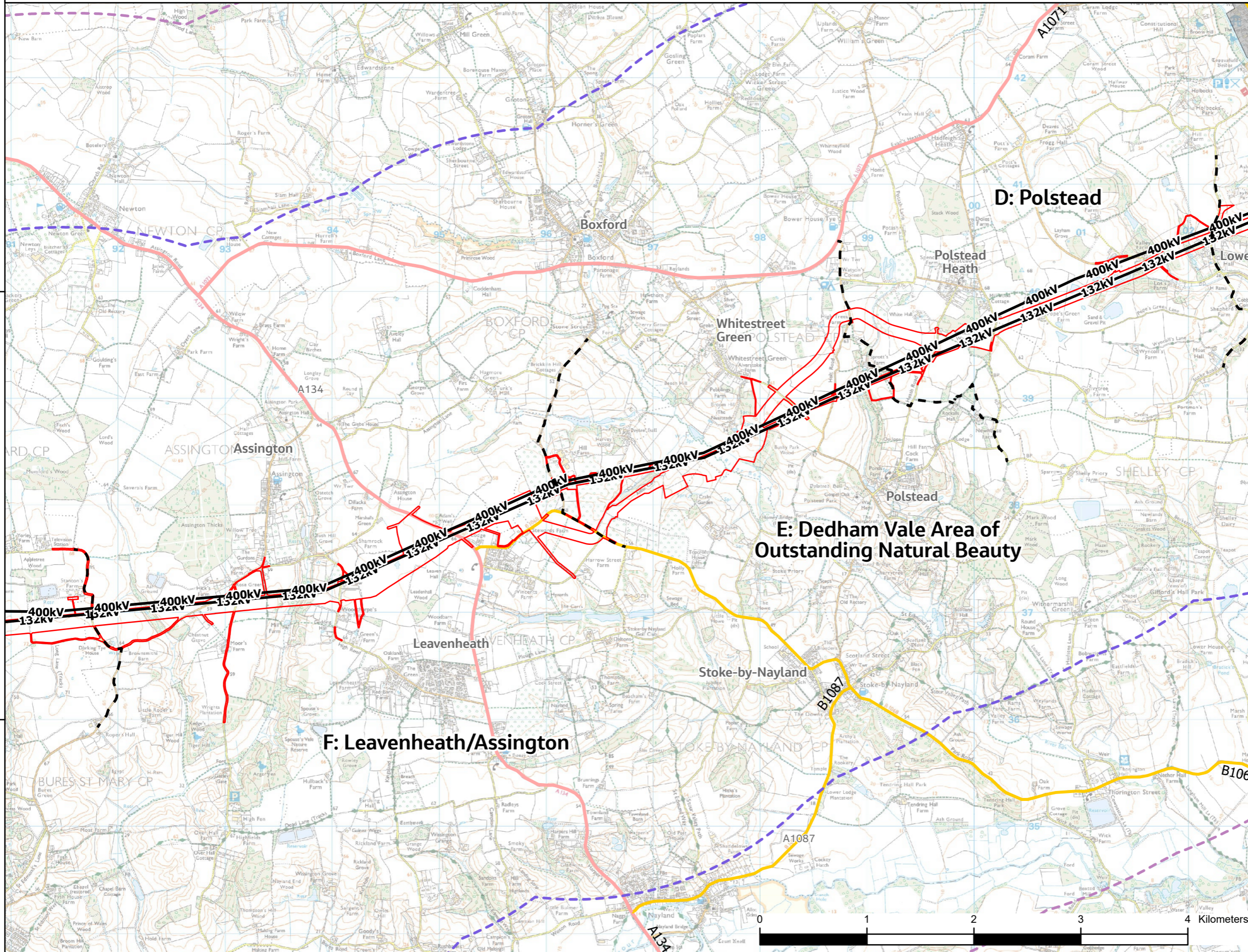
NG DRAWING No. BT-JAC-020631-500-0078	SHEET NO. 1	NO. OF SHEETS 3	ISSUE: A
------------------------------------------	----------------	--------------------	-------------

SCALE: 1:35000



Reproduced from Ordnance Survey maps by permission of the Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office.
 © Crown copyright Ordnance Survey, Licence no. 0100052046.

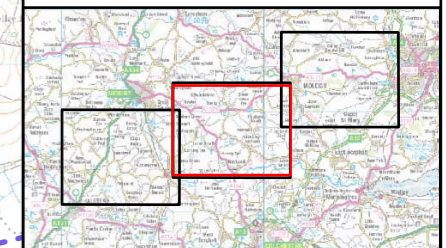
- Legend**
- - - Section boundaries
 - Order Limits
 - Distance marker (3km)
 - Study area (5km)
 - Existing overhead line
 - Existing Bramford Substation
 - Railway Line
 - Urban settlements
 - Trunk Road
 - A road
 - B road



D: Polstead

E: Dedham Vale Area of Outstanding Natural Beauty

F: Leavenheath/Assington



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE:
6.4 Settlements and Infrastructure

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

ORIGINATOR DRAWING NO.
AAA_BTT_Figure_6_4bcd_Rev1

NG DRAWING No. BT-JAC-020631-500-0078	SHEET NO. 2	NO. OF SHEETS 3	ISSUE: A
------------------------------------------	----------------	--------------------	-------------

SCALE: 1:35000



Reproduced from ordnance survey maps by permission of the
 ordnance survey on behalf of the controller of her majesty's
 stationery office.
 © Crown copyright ordnance survey, Licence no. 0100052046.

240000

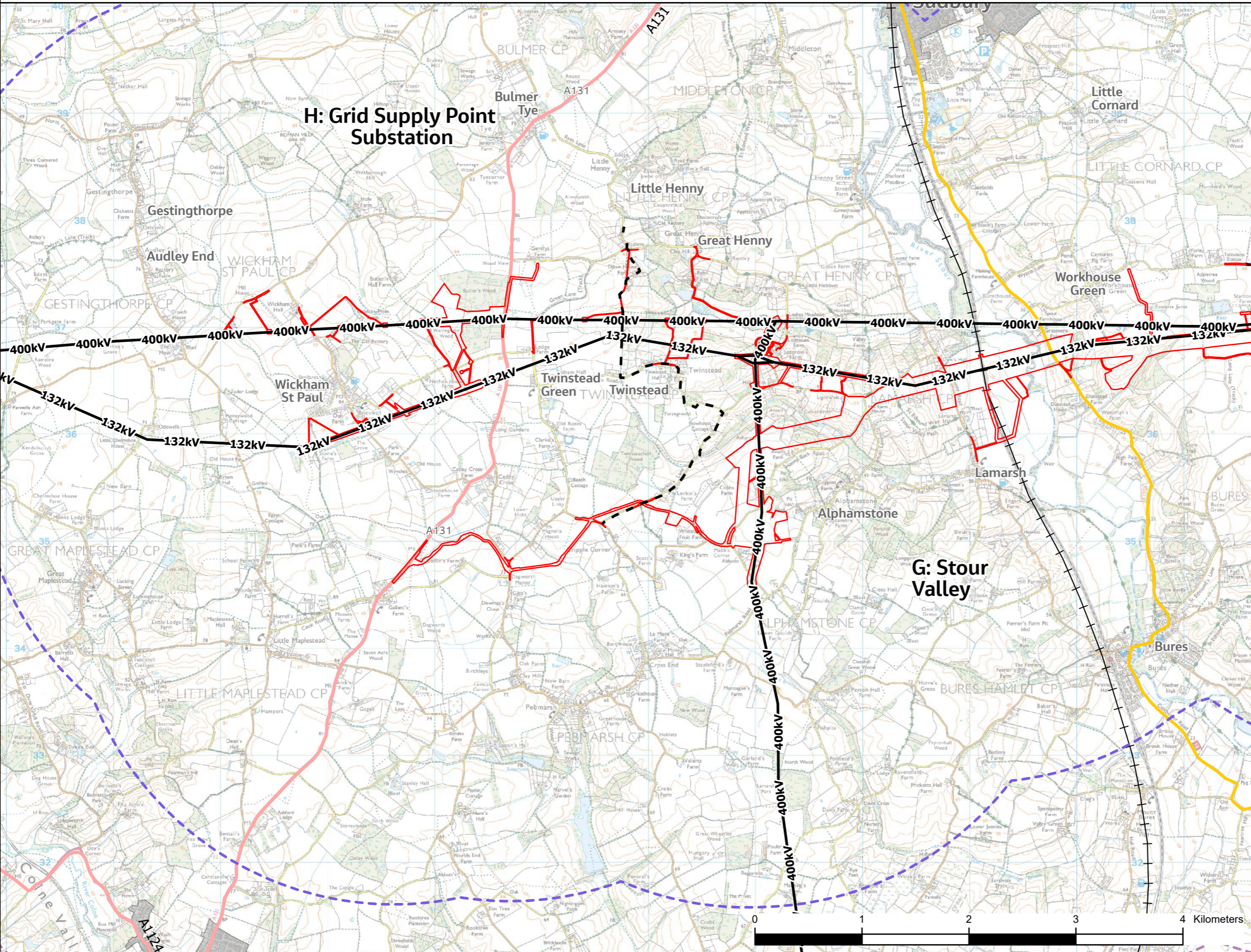
236000

232000

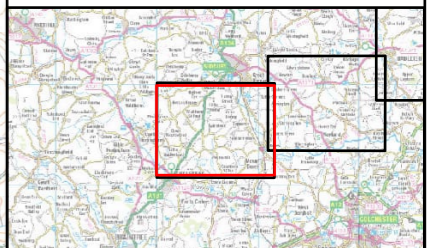
580000

584000

588000



- Legend**
- Section boundaries
 - Order Limits
 - Distance marker (3km)
 - Study area (5km)
 - Existing overhead line
 - Existing Bramford Substation
 - Railway Line
 - Urban settlements
 - Trunk Road
 - A road
 - B road



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE:
6.4 Settlements and Infrastructure

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

ORIGINATOR DRAWING NO.
AAA_BTT_Figure_6_4bcd_Rev1

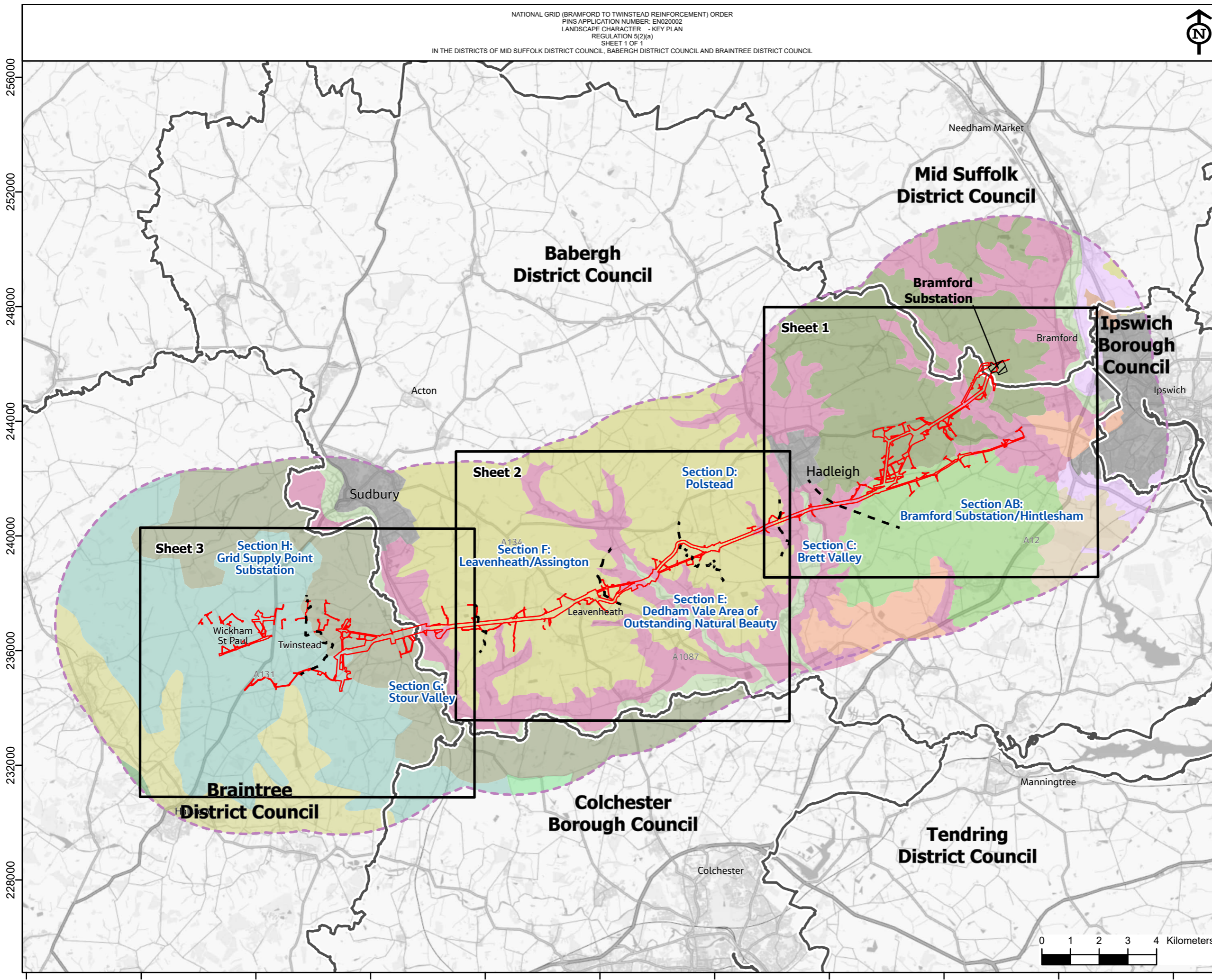
NG DRAWING No.
BT-JAC-020631-500-0078

SHEET NO. **3** NO. OF SHEETS **3** ISSUE: **A**

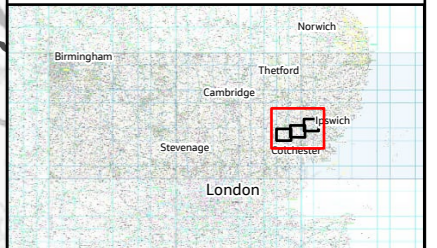
SCALE: 1:35000



Contains OS data © Crown Copyright and database right 2020



- Legend**
- Section boundaries
 - Order Limits
 - ▭ Local authority districts
 - ▨ Existing Bramford Substation
 - ▭ Study area (5km)
- Suffolk Landscape Character Types**
- Ancient Estate Claylands
 - Ancient Estate Farmlands
 - Ancient Plateau Claylands
 - Ancient Rolling Farmlands
 - Plateau Estate Farmlands
 - Plateau Farmlands
 - Rolling Estate Farmlands
 - Rolling Valley Farmlands
 - Urban
 - Valley Meadowlands
- Essex Landscape Character Types**
- Blackwater/Stour Farmland
 - Colne Valley
 - Gosfield Wooded Farmland
 - North Colchester Farmlands
 - Stour Valley



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement

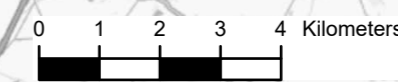


TITLE: 6.5 Landscape Character - Key Plan

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

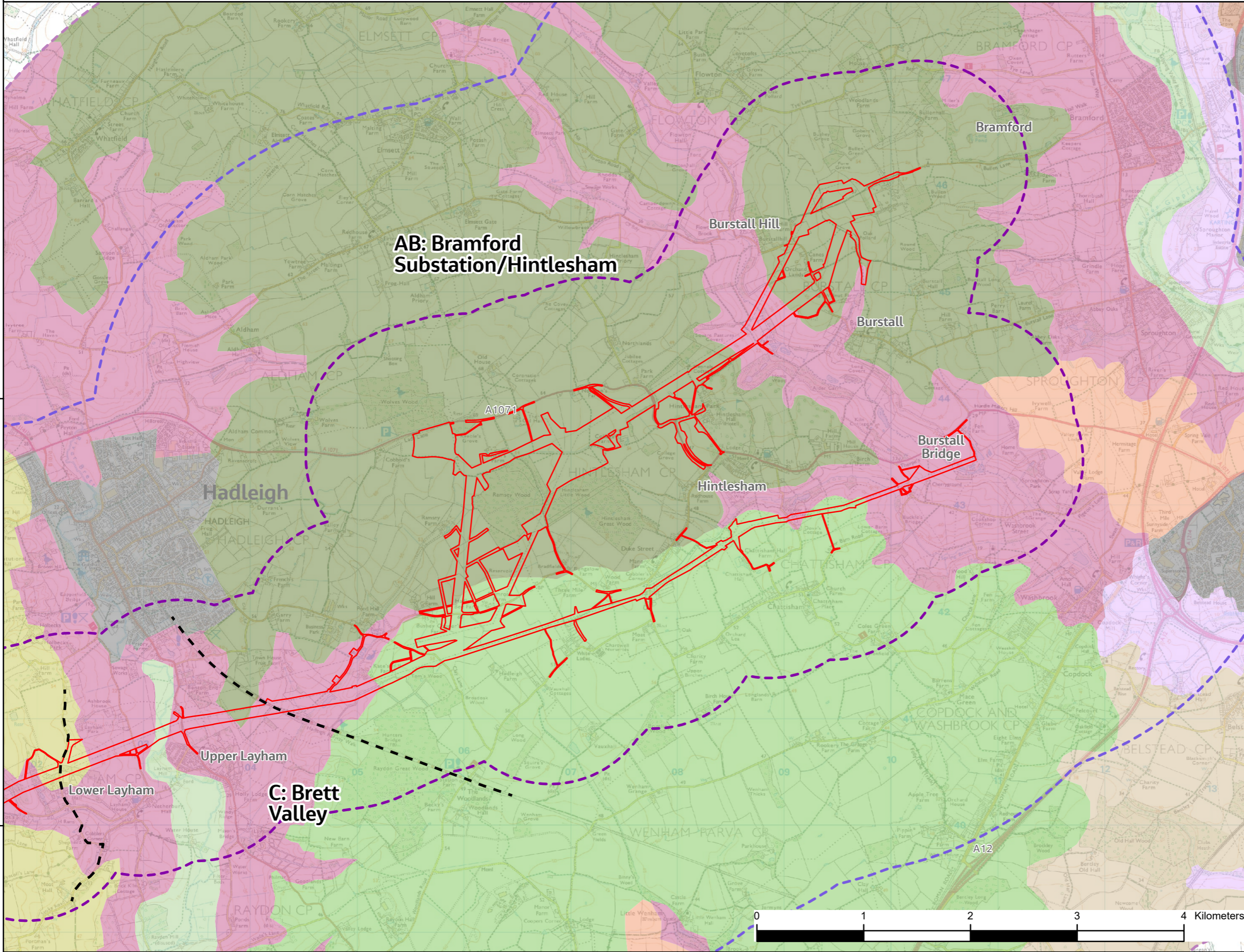
ORIGINATOR DRAWING NO. AAA_BTT_Figure 6_5a_Rev1 A3

NG DRAWING No. BT-JAC-020631-500-0079 SHEET NO. 1 NO. OF SHEETS 1 ISSUE: A

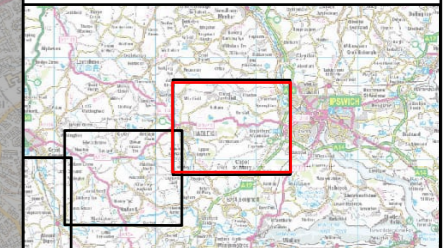




Reproduced from Ordnance Survey maps by permission of the Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office.
 © Crown copyright Ordnance Survey, Licence no. 0100052046.



- Legend**
- Section boundaries
 - Order Limits
 - Distance marker (1km)
 - Distance marker (3km)
 - Study area (5km)
- Suffolk Landscape Character Types**
- Ancient Estate Claylands
 - Ancient Estate Farmlands
 - Ancient Plateau Claylands
 - Ancient Rolling Farmlands
 - Plateau Estate Farmlands
 - Plateau Farmlands
 - Rolling Estate Farmlands
 - Rolling Valley Farmlands
 - Urban
 - Valley Meadowlands
- Essex Landscape Character Types**
- Blackwater/Stour Farmland
 - Colne Valley
 - Gosfield Wooded Farmland
 - North Colchester Farmlands
 - Stour Valley



NG Investment No. ETX/01142

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

PROJECT: **Bramford to Twinstead Reinforcement**

nationalgrid

TITLE:
6.5 Landscape Character

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

ORIGINATOR DRAWING NO.
 AAA_BTT_Figure_6_5bcd_Rev1

NG DRAWING No. BT-JAC-020631-500-0079	SHEET NO. 1	NO. OF SHEETS 3	ISSUE: A
------------------------------------------	----------------	--------------------	-------------

SCALE: 1:35000



244000

240000

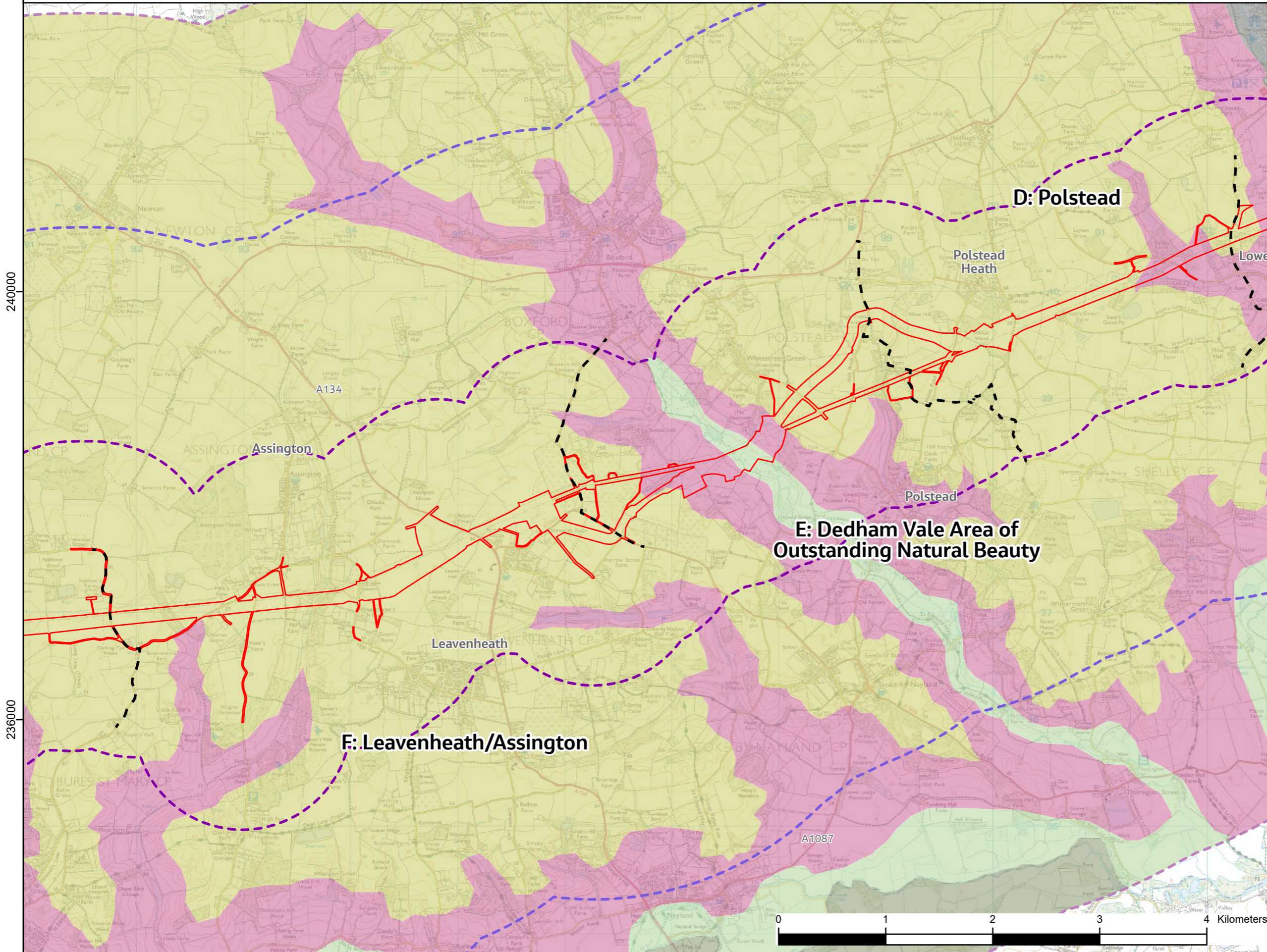
604000

608000

612000



Reproduced from ordnance survey maps by permission of the
 ordnance survey on behalf of the controller of her majesty's
 stationery office.
 © Crown copyright ordnance survey, Licence no. 0100052046.



- Legend**
- Section boundaries
 - Order Limits
 - Distance marker (1km)
 - Distance marker (3km)
 - Study area (5km)
- Suffolk Landscape Character Types**
- Ancient Rolling Farmlands
 - Rolling Valley Farmlands
 - Urban
 - Valley Meadowlands
- Essex Landscape Character Types**
- Blackwater/Stour Farmland
 - Colne Valley
 - Gosfield Wooded Farmland
 - North Colchester Farmlands
 - Stour Valley



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE:
6.5 Landscape Character

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

ORIGINATOR DRAWING NO.
AAA_BTT_Figure_6_5bcd_Rev1

NG DRAWING No. BT-JAC-020631-500-0079	SHEET NO. 2	NO. OF SHEETS 3	ISSUE: A
------------------------------------------	----------------	--------------------	-------------

SCALE: 1:35000

240000

236000

592000

596000

600000



Reproduced from Ordnance Survey maps by permission of the Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office.
 © Crown copyright Ordnance Survey, Licence no. 0100052046.

240000

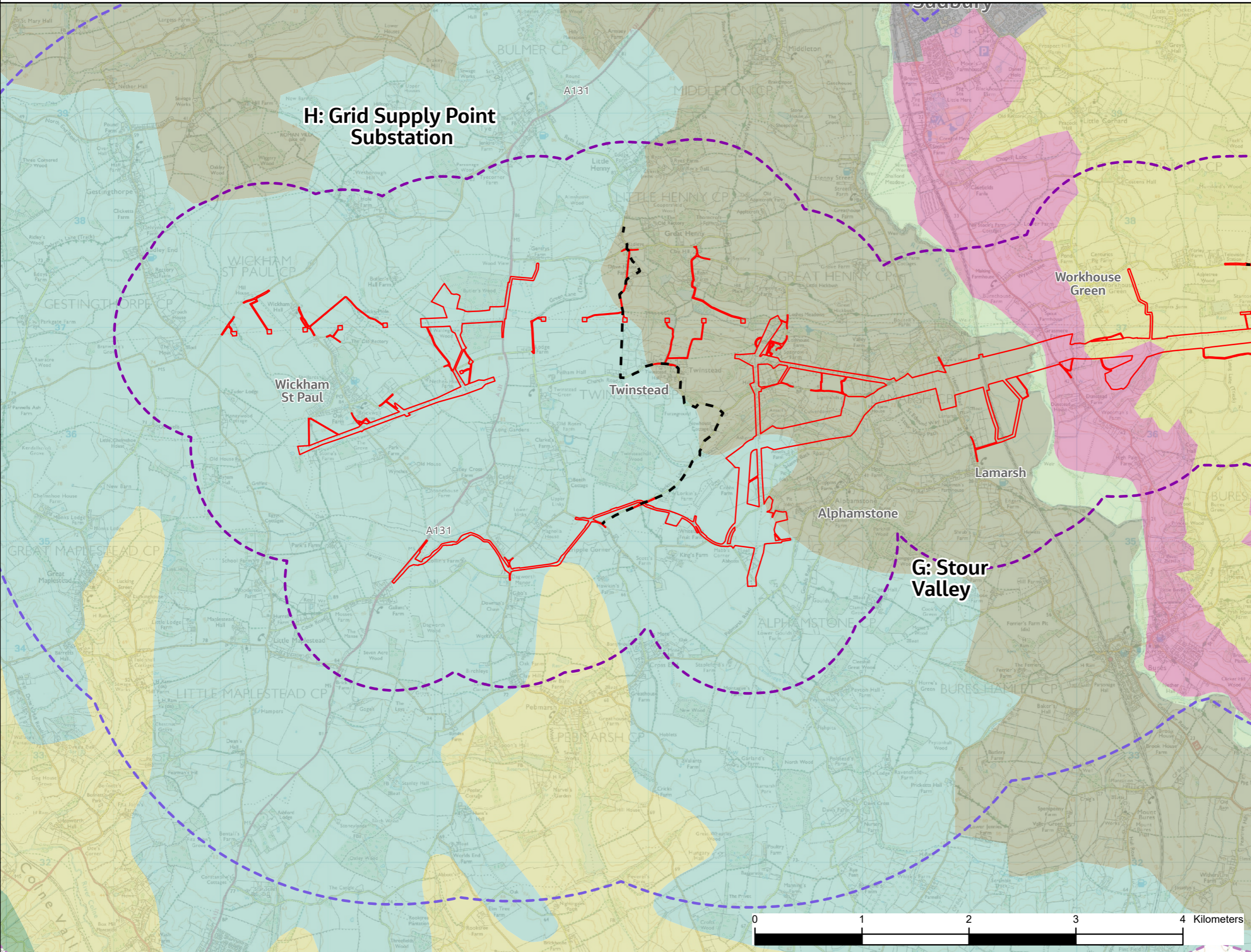
236000

232000

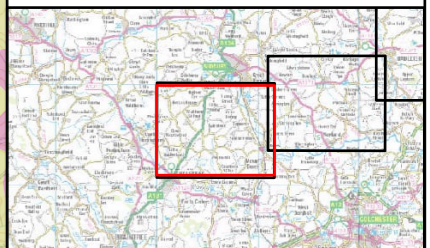
580000

584000

588000



- Legend**
- Section boundaries
 - Order Limits
 - Distance marker (1km)
 - Distance marker (3km)
 - Study area (5km)
- Suffolk Landscape Character Types**
- Ancient Rolling Farmlands
 - Rolling Valley Farmlands
 - Urban
 - Valley Meadowlands
- Essex Landscape Character Types**
- Blackwater/Stour Farmland
 - Colne Valley
 - Gosfield Wooded Farmland
 - North Colchester Farmlands
 - Stour Valley



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE:
6.5 Landscape Character

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

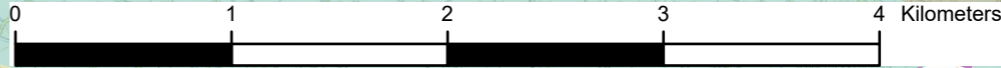
ORIGINATOR DRAWING NO.
AAA_BTT_Figure_6_5bcd_Rev1

NG DRAWING No.
BT-JAC-020631-500-0079

SHEET NO. 3

NO. OF SHEETS 3

ISSUE: A

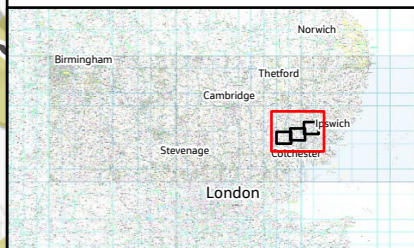
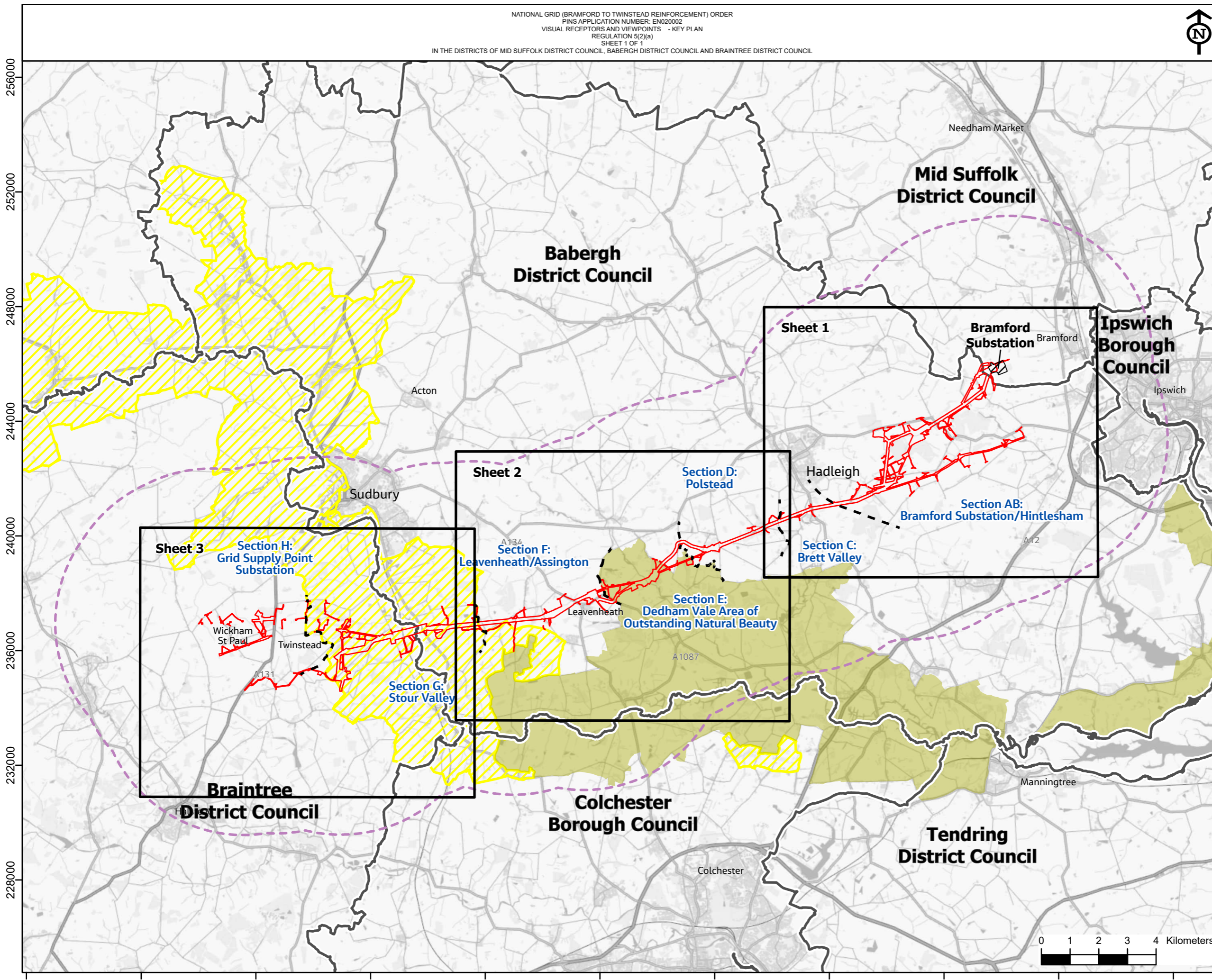




Contains OS data © Crown Copyright and database right 2020

Legend

- Section boundaries
- Order Limits
- ▭ Local authority districts
- ▨ Existing Bramford Substation
- ⋯ Study area (5km)
- Dedham Vale Area of Outstanding Natural Beauty (AONB)
- ▧ Stour Valley Project Area (SVPA)



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement



TITLE:
6.6 Visual Receptors and Viewpoints - Key Plan

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

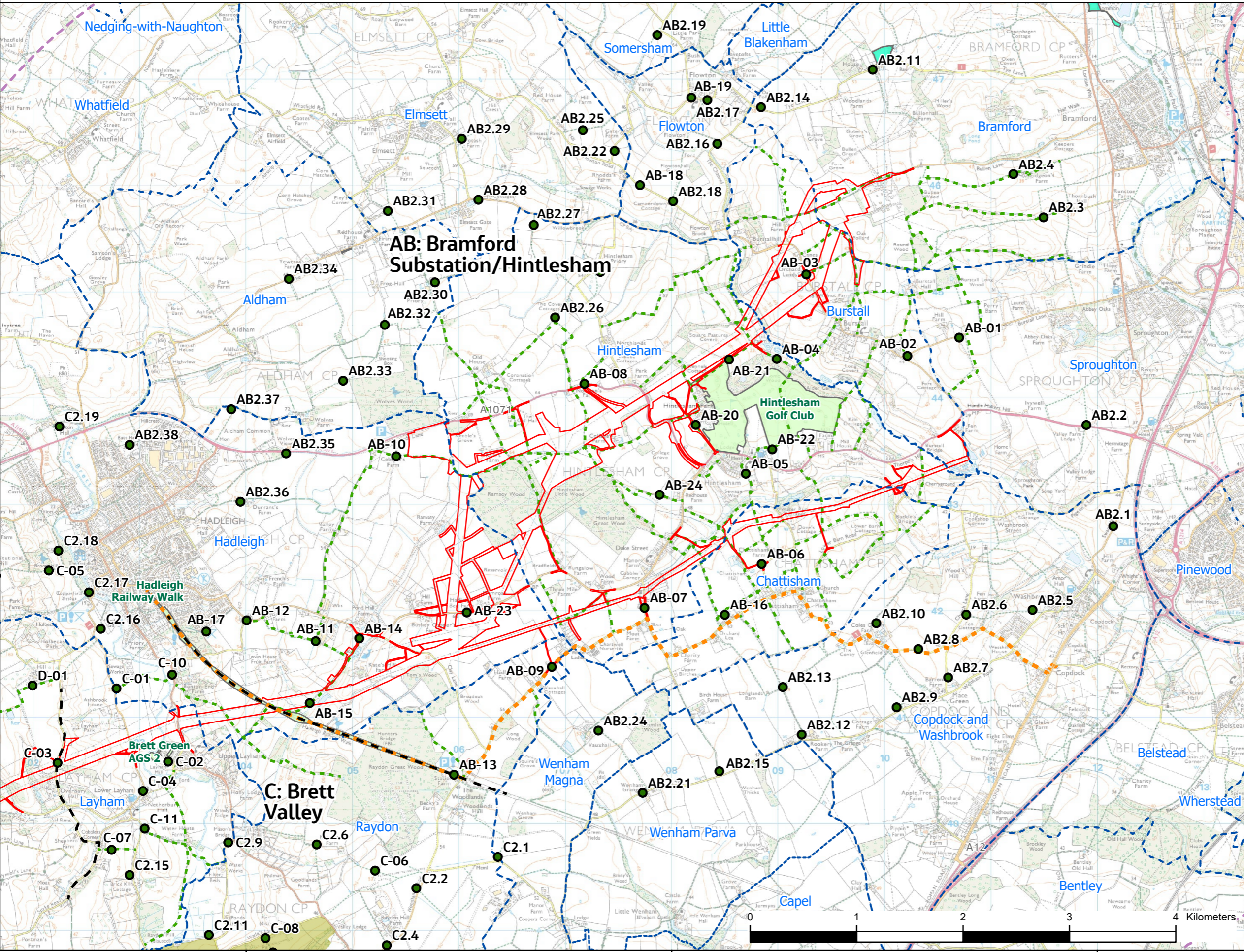
ORIGINATOR DRAWING NO.
AAA_BTT_Figure 6_6a_Rev1

NG DRAWING No. BT-JAC-020631-500-0080	SHEET NO. 1	NO. OF SHEETS 1	ISSUE: A
------------------------------------------	----------------	--------------------	-------------

SCALE: 1:125000



Reproduced from Ordnance Survey maps by permission of the Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office.
 © Crown copyright Ordnance Survey, Licence no. 0100052046.



- Legend**
- Section boundaries
 - Order Limits
 - Parish councils
 - Dedham Vale Area of Outstanding Natural Beauty (AONB)
 - Stour Valley Project Area (SVPA)
 - Landscape and visual viewpoints
 - Countryside and Rights of Way Common Land
 - Open Spaces
 - Local Green Spaces
 - National Cycle Network
 - Suffolk Public Rights of Way
 - Essex Public Rights of Way
- Regional Trails**
- St Edmunds Way
 - Stour Valley Path
 - Painters' Trail



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE:
6.6 Visual Receptors and Viewpoints

CIRCUIT / SITE : Bramford – Pelham & Bramford – Braitree – Bulls Lodge		GIS
ORIGINATOR DRAWING NO. AAA_BTT_Figure_6_6bcd_Rev1		A3
NG DRAWING No. BT-JAC-020631-500-0080	SHEET NO. 1	NO. OF SHEETS 3
SCALE: 1:35000		ISSUE: A

244000

240000

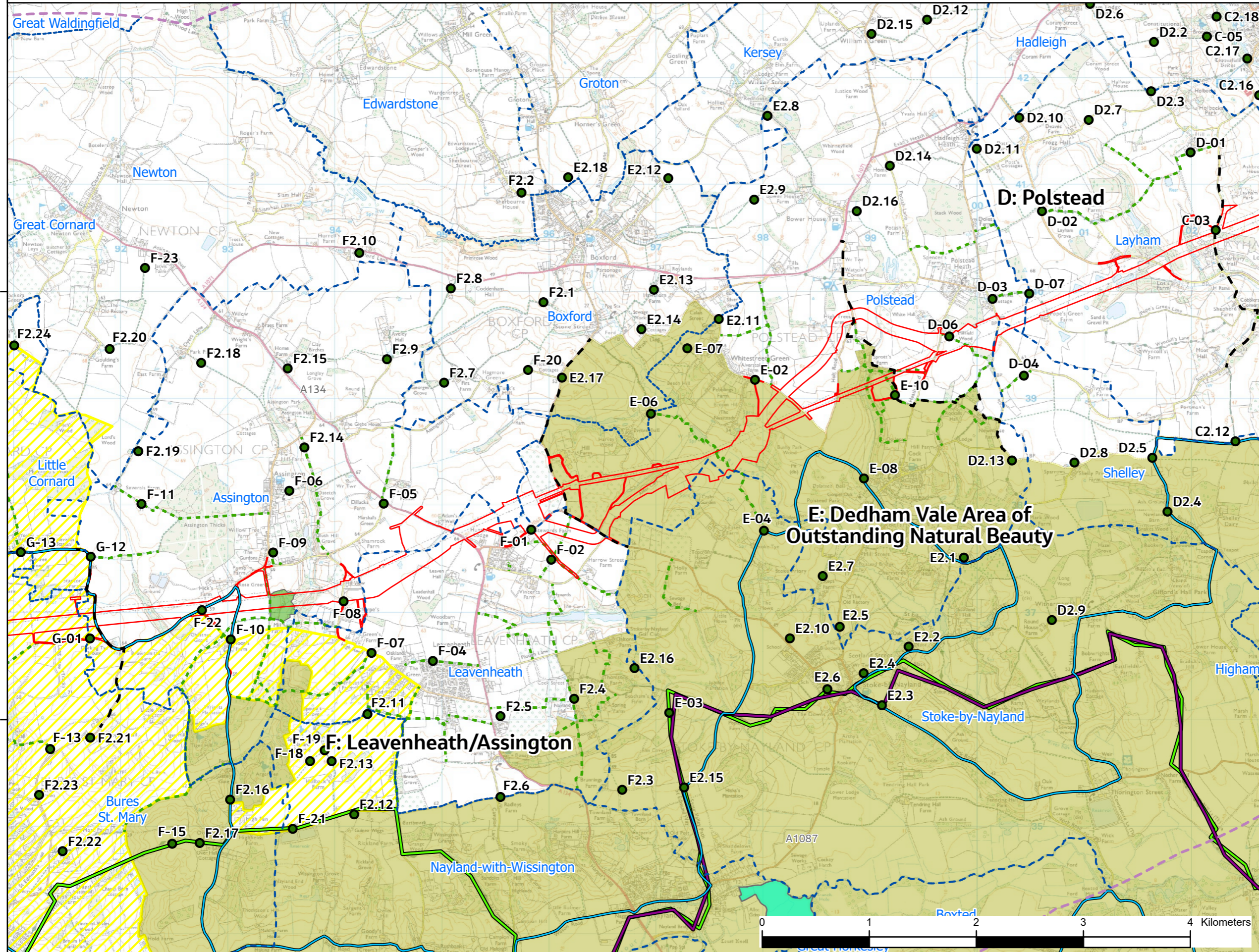
604000

608000

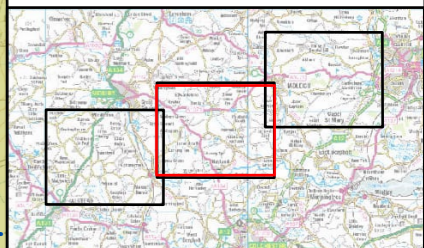
612000



Reproduced from Ordnance Survey maps by permission of the Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office.
 © Crown copyright Ordnance Survey, Licence no. 0100052046.



- Legend**
- Section boundaries
 - Order Limits
 - Parish councils
 - Dedham Vale Area of Outstanding Natural Beauty (AONB)
 - Stour Valley Project Area (SVPA)
 - Landscape and visual viewpoints
 - AB-19
 - Countryside and Rights of Way Common Land
 - Open Spaces
 - Local Green Spaces
 - National Cycle Network
 - Suffolk Public Rights of Way
 - Essex Public Rights of Way
 - Regional Trails**
 - St Edmunds Way
 - Stour Valley Path
 - Painters' Trail



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement

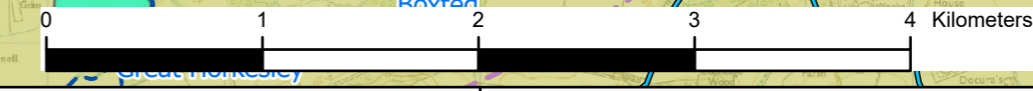
nationalgrid

TITLE:
6.6 Visual Receptors and Viewpoints

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

ORIGINATOR DRAWING NO.
AAA_BTT_Figure_6_6bcd_Rev1

NG DRAWING No. BT-JAC-020631-500-0080	SHEET NO. 2	NO. OF SHEETS 3	ISSUE: A
------------------------------------------	----------------	--------------------	-------------



240000

236000

592000

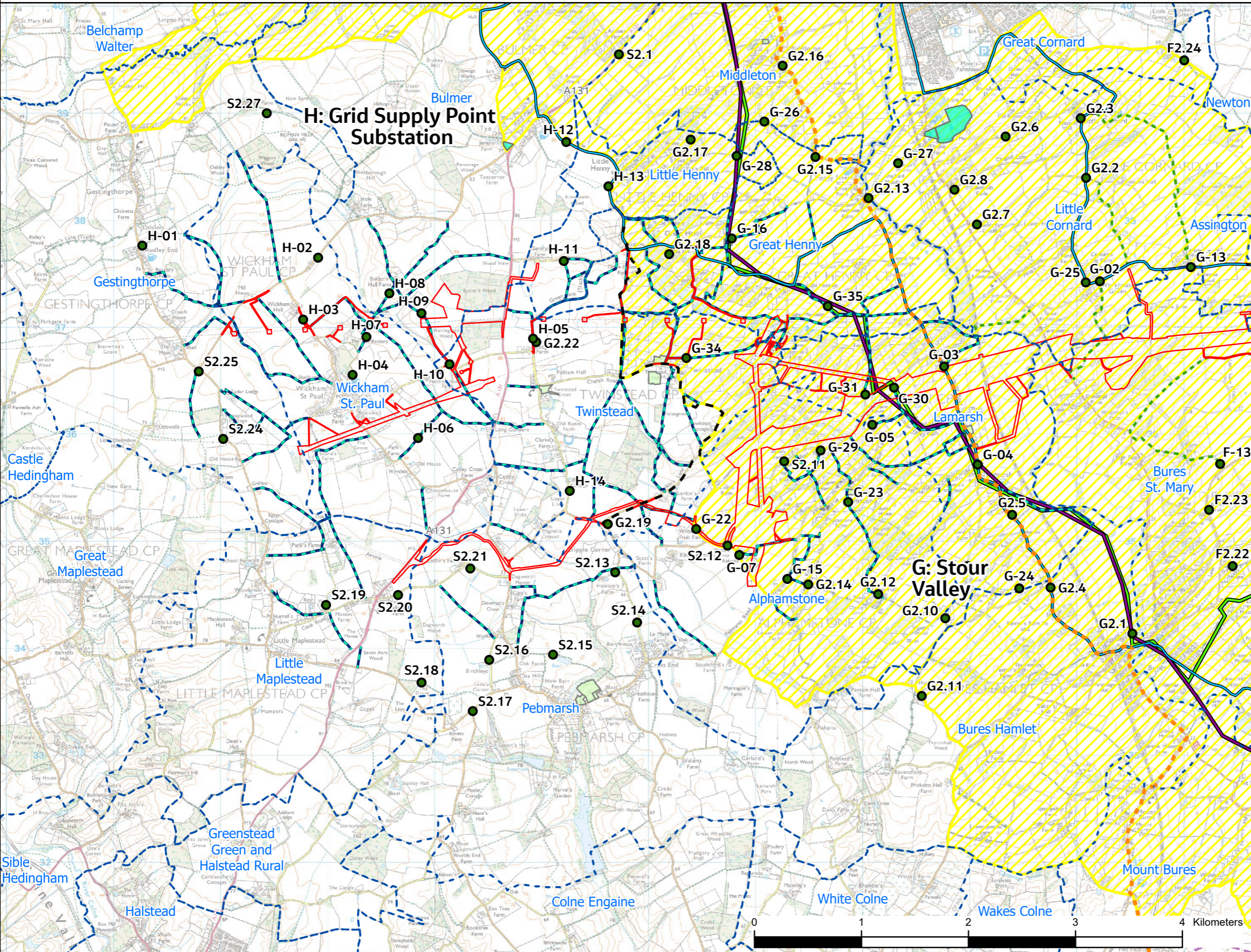
596000

600000

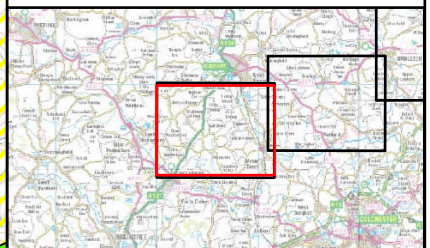


Reproduced from Ordnance Survey maps by permission of the Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office.
 © Crown copyright Ordnance Survey, Licence no. 0100052046.

240000
236000
232000
580000
584000
588000



- Legend**
- Section boundaries
 - Order Limits
 - Parish councils
 - Dedham Vale Area of Outstanding Natural Beauty (AONB)
 - ▨ Stour Valley Project Area (SVPA)
 - Landscape and visual viewpoints
 - Countryside and Rights of Way Common Land
 - Open Spaces
 - Local Green Spaces
 - National Cycle Network
 - Suffolk Public Rights of Way
 - Essex Public Rights of Way
- Regional Trails**
- St Edmunds Way
 - Stour Valley Path
 - Painters' Trail



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE:
6.6 Visual Receptors and Viewpoints

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

ORIGINATOR DRAWING NO.
AAA_BTT_Figure_6_6bcd_Rev1

NG DRAWING No. BT-JAC-020631-500-0080	SHEET NO. 3	NO. OF SHEETS 3	ISSUE: A
------------------------------------------	----------------	--------------------	-------------

SCALE: 1:35000



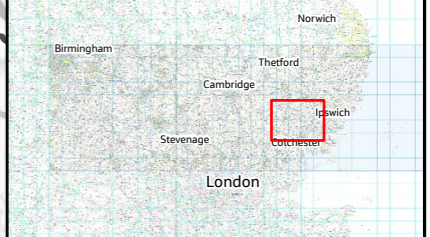


Contains OS data © Crown Copyright and database right 2020

ZTV generated using ArcGIS based on OS Terrain 5 and Terrain 50 Digital Terrain Model with woodland factored in based on National Woodland Inventory layer shown on figure 6.3 at a height of 15 meters above ground level. AOD pylon height of 2.5 meters below top height of an indicative design. This provides an indication of places from which the very tops of the structures may theoretically be visible.

- Legend**
- Section boundaries
 - ▬ Local authority districts
 - ▭ Study area (5km)
 - ▭ Dedham Vale Area of Outstanding Natural Beauty (AONB)
 - ▭ Stour Valley Project Area (SVPA)
 - ▬ Proposed overhead line
 - ▬ Proposed modification to overhead line
 - ▬ Proposed realignment of existing overhead line
 - ▬ Proposed removal of overhead line
 - ▬ Temporary overhead line accompanying works
 - ▬ Proposed underground cables
- Zone of Theoretical Visibility (ZTV)**
- Areas where the ZTV is the same for the existing 132kV overhead line and the proposed 400kV overhead line
 - Areas where the existing 132kV overhead line is visible but the proposed 400kV overhead line would not be visible (reduction of pylons in views)
 - Areas where the existing 132kV overhead line is not visible but the proposed 400kV overhead line would be visible (increase of pylons in views)

Note: The indicative ZTV illustrated on this figure is based on the existing and proposed pylons as these are the tallest components of the project. The indicative ZTV shows the difference in extent of theoretical visibility between the proposed 400kV overhead line and the 132kV overhead line to be removed.



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement



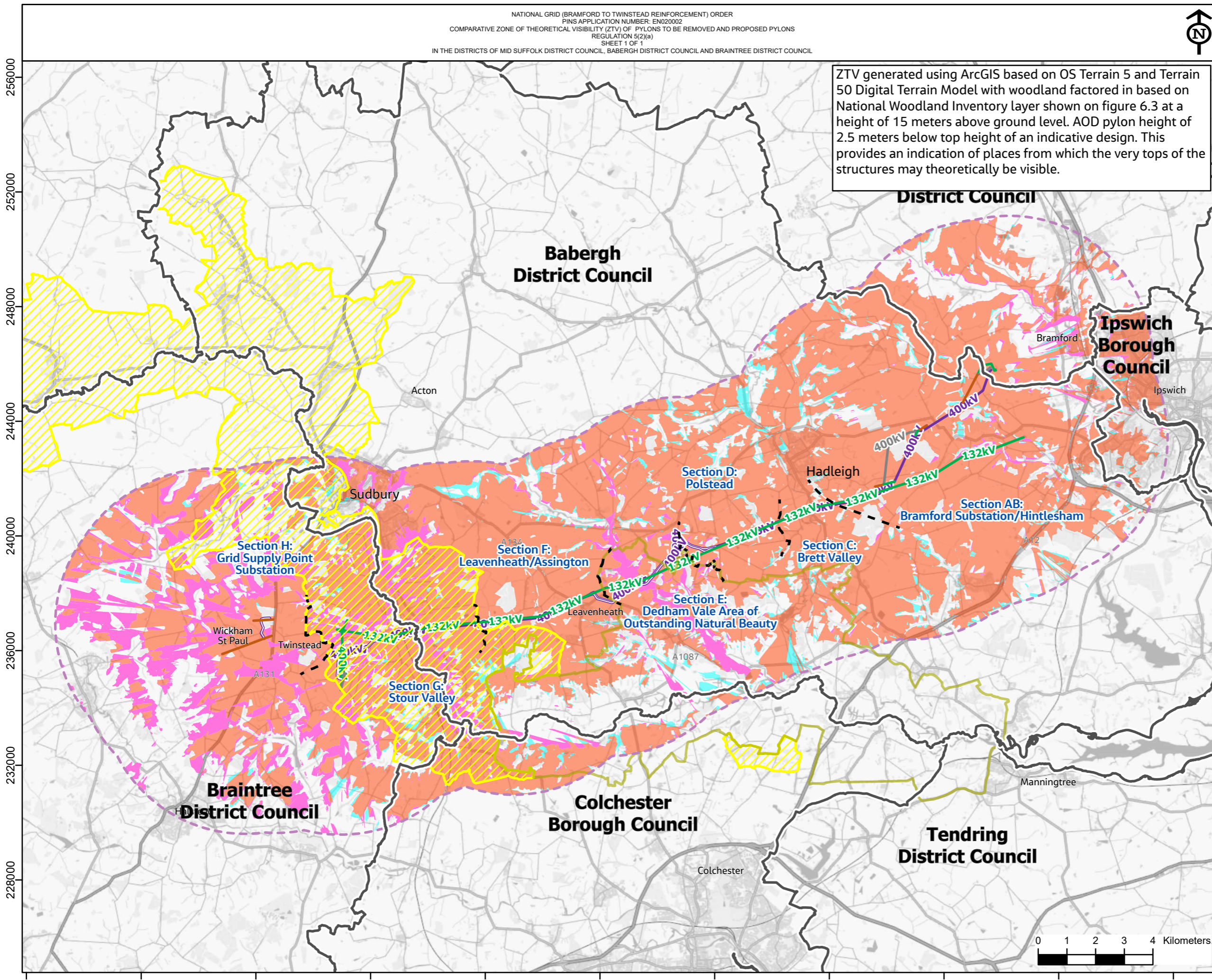
TITLE:
6.7 Comparative Zone of Theoretical Visibility (ZTV) of Pylons to be Removed and Proposed Pylons

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

ORIGINATOR DRAWING NO.
AAA_BTT_Figure_6_7_Rev1

NG DRAWING No. BT-JAC-020631-500-0081	SHEET NO. 1	NO. OF SHEETS 1	ISSUE: A
------------------------------------------	----------------	--------------------	-------------

SCALE: 1:125000



Page intentionally blank

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

Registered in England and Wales
No. 4031152
nationalgrid.com