

BT-NG-020621-545-0177

Bramford to Twinstead Reinforcement

Volume 6: Environmental Information

Document 6.4.5: Environmental Statement
Figures (Part 5)

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

6.4.5 Environmental Statement Figures Part 5:

Figure 7.5.1: Important Hedgerows

Figure 7.7.1: Bats - Desk Study

Figure 7.7.2: Previous Bat Survey

Figure 7.7.3: Bat Survey - Buildings

Figure 7.7.4: Bat Survey - Trees

Figure 7.7.5: Habitat Suitability Model for Myotis Bat Species

Figure 7.7.6: Habitat Suitability Model for Brown Long-eared Bat Species

Figure 7.7.7: Habitat Suitability Model for Barbastelle Bat Species

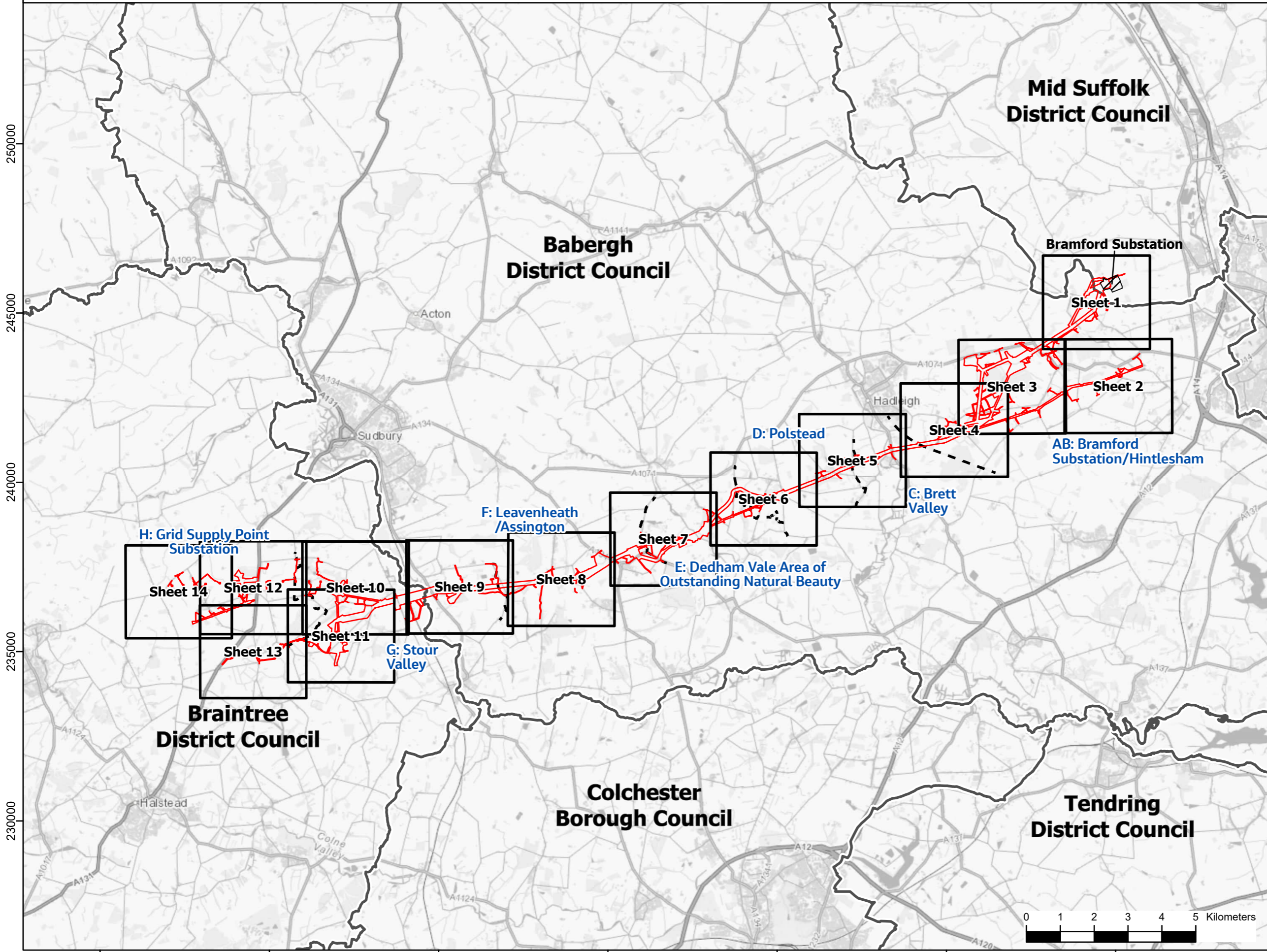
Figure 7.7.8: Habitat Suitability Model for Serotine Bat Species

Figure 7.7.9: Habitat Suitability Model for Soprano Pipistrelle Bat Species

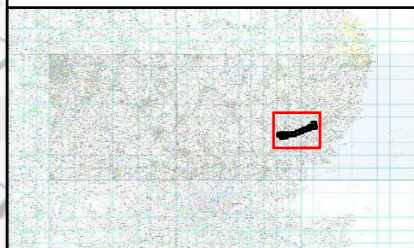
Figure 7.7.10: Habitat Suitability Model for Common Pipistrelle Bat Species

Figure 7.7.11: Habitat Suitability Model for Nathusius' Pipistrelle Bat Species

Figure 7.7.12: Habitat Suitability Model for Leisler's Bat Species



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



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement



TITLE: Figure 7.5.1
 Important Hedgerows - Key Plan

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

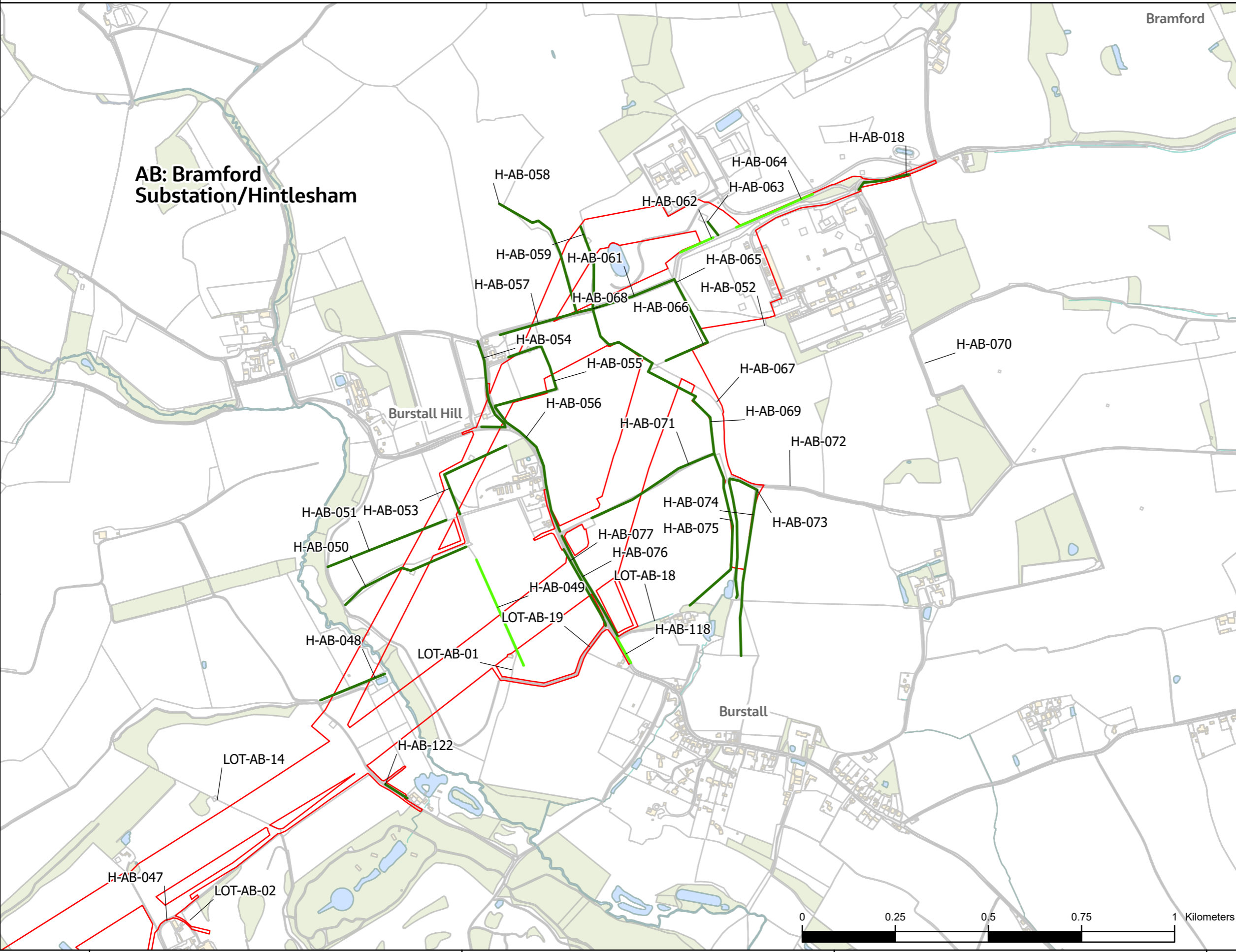
ORIGINATOR DRAWING NO.
 AAA_BTT_HedgerowFR_Fig7_5_1_KeyPlan_Rev02

NG DRAWING No. BT-JAC-020631-500-0013	SHEET NO. 1	NO. OF SHEETS 1	ISSUE: A
--	----------------	--------------------	-------------

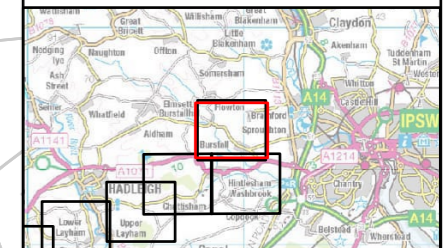


Reproduced from Ordnance Survey maps by permission of the Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office.
 © Crown copyright Ordnance Survey, Licence no. 0100052046.

246000
245000



- - - Section boundaries
- Order Limits
- Important Hedgerow as per criteria in Hedgerow Regulations 1997
- Not Important Hedgerow as per criteria in Hedgerow Regulations 1997



NG Investment No. ETX/01142

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

PROJECT: **Bramford to Twinstead Reinforcement**



TITLE: **Figure 7.5.1 Important Hedgerows**

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

ORIGINATOR DRAWING NO. **AAA_BTT_HedgerowFR_Fig7_5_1_Rev02** **A3**

NG DRAWING No. BT-JAC-020631-500-0013	SHEET NO. 1	NO. OF SHEETS 14	ISSUE: A
--	-----------------------	----------------------------	--------------------

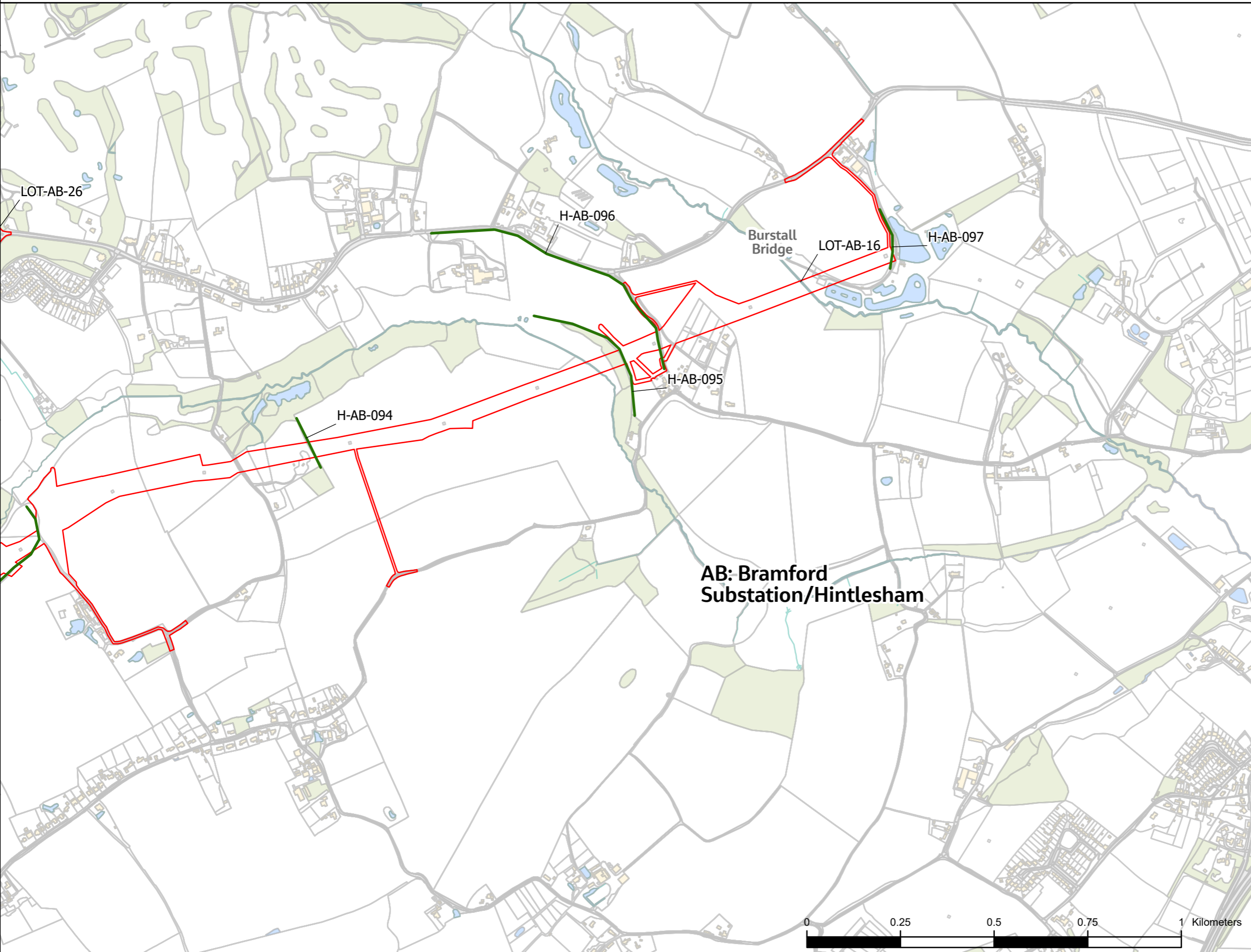


608000 609000 610000 611000

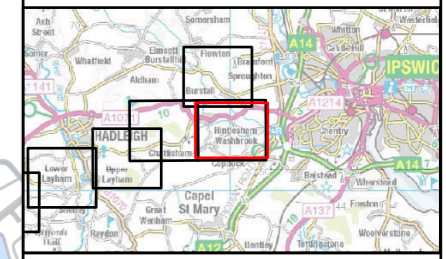


Reproduced from Ordnance Survey maps by permission of the Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office.
 © Crown copyright Ordnance Survey, Licence no. 0100052046.

244000
243000
242000



- Section boundaries
- Order Limits
- Important Hedgerow as per criteria in Hedgerow Regulations 1997
- Not Important Hedgerow as per criteria in Hedgerow Regulations 1997



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement

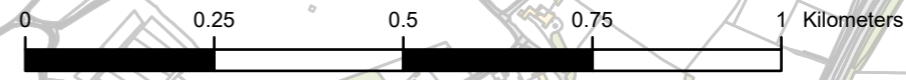


TITLE: Figure 7.5.1 Important Hedgerows

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

ORIGINATOR DRAWING NO. AAA_BTT_HedgerowFR_Fig7_5_1_Rev02 A3

NG DRAWING No. BT-JAC-020631-500-0013 SHEET NO. 2 NO. OF SHEETS 14 ISSUE: A



609000 610000 611000

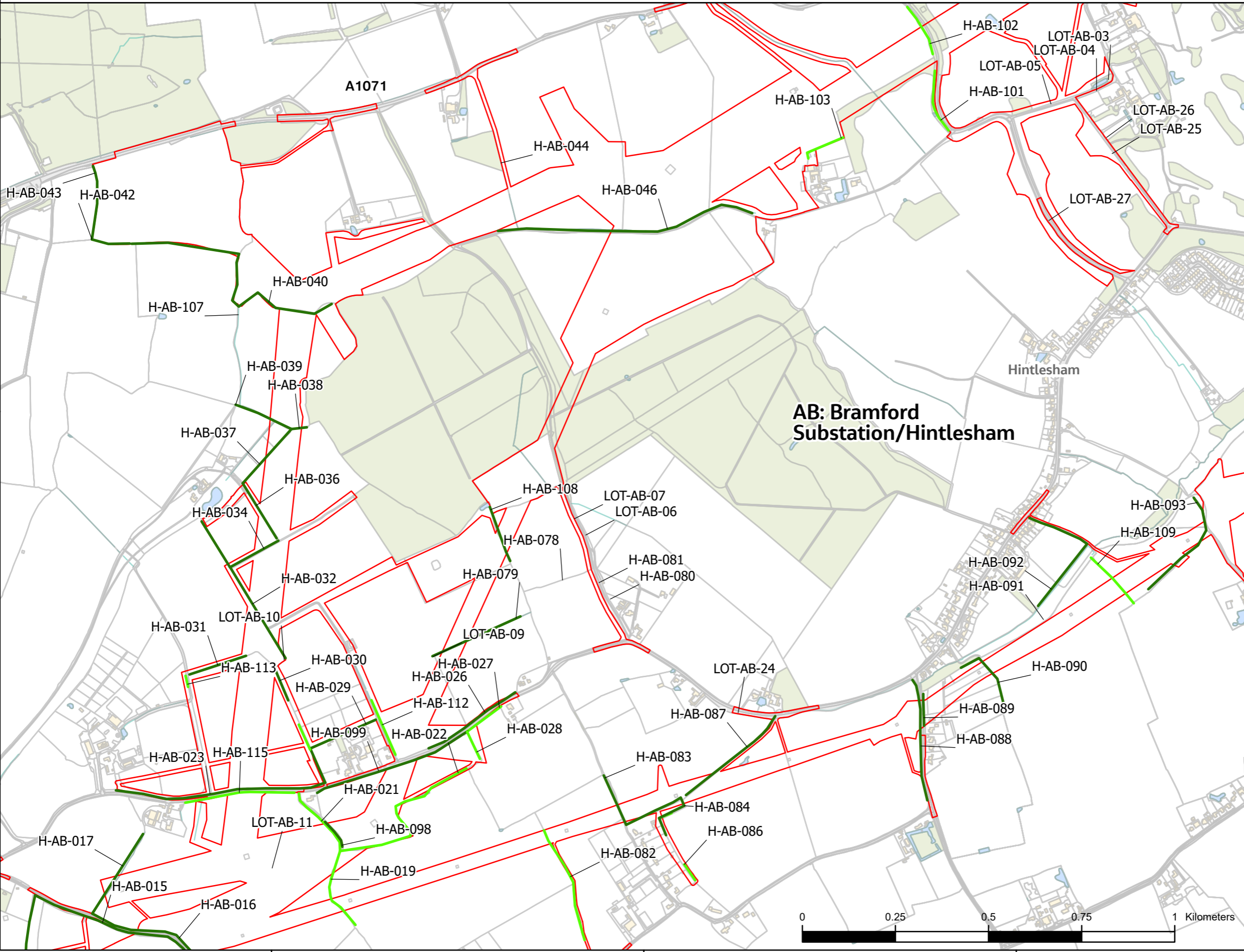


Reproduced from ordnance survey maps by permission of the
 Ordnance Survey on behalf of the controller of her majesty's
 stationery office.
 © Crown copyright Ordnance Survey, Licence no. 0100052046.

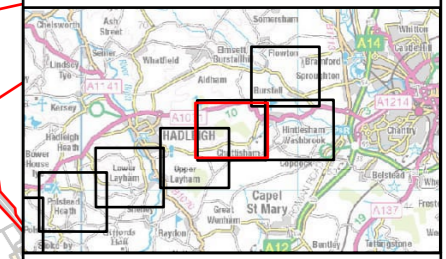
244000

243000

242000



- Section boundaries
- Order Limits
- Important Hedgerow as per criteria in Hedgerow Regulations 1997
- Not Important Hedgerow as per criteria in Hedgerow Regulations 1997



NG Investment No. ETX/01142

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

PROJECT: **Bramford to Twinstead Reinforcement**



TITLE: **Figure 7.5.1 Important Hedgerows**

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

ORIGINATOR DRAWING NO. **AAA_BTT_HedgerowFR_Fig7_5_1_Rev02**

NG DRAWING No. BT-JAC-020631-500-0013	SHEET NO. 3	NO. OF SHEETS 14	ISSUE: A
--	-----------------------	----------------------------	--------------------



606000

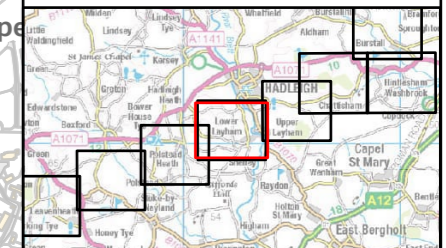
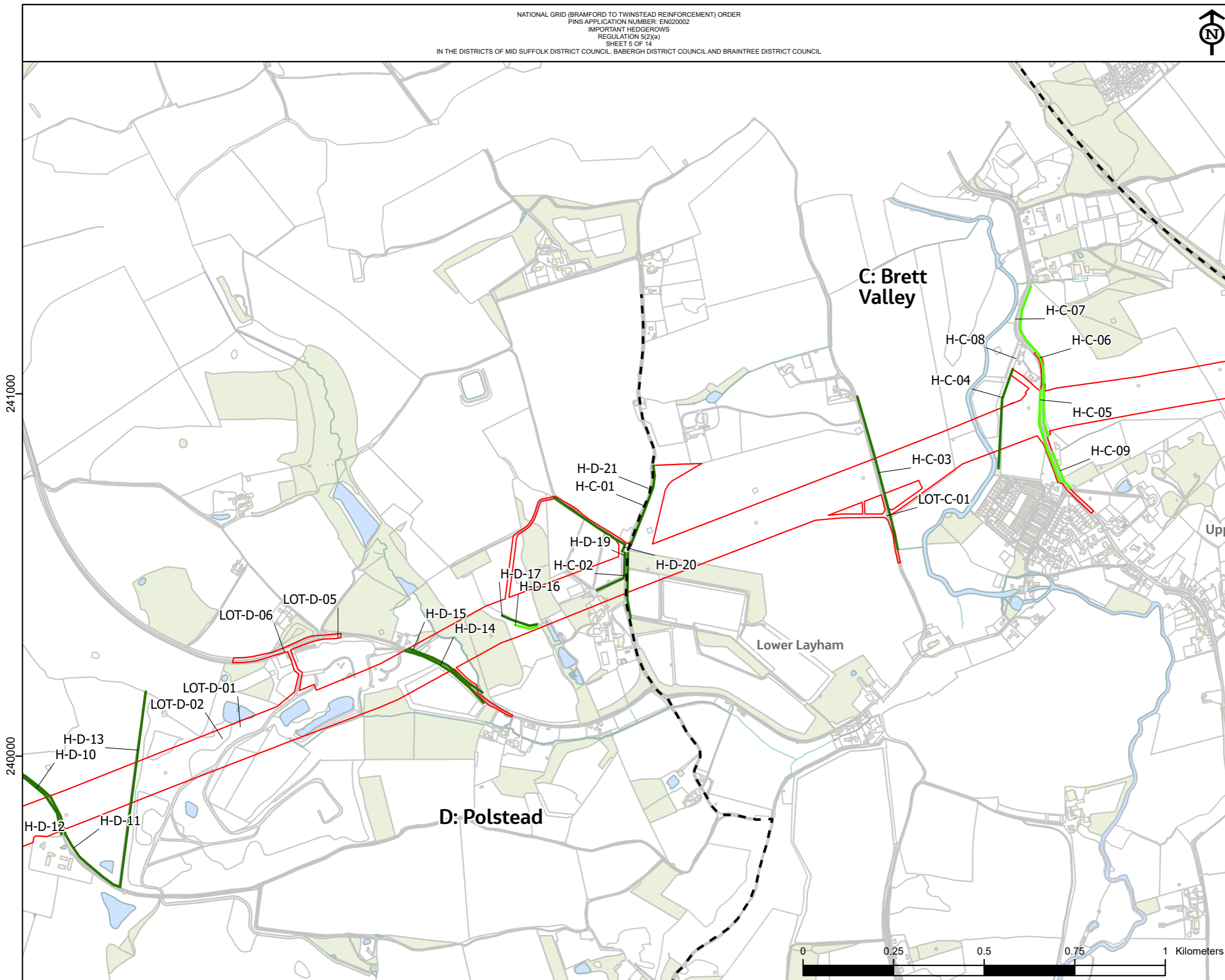
607000

608000



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.

- Section boundaries
- Order Limits
- Important Hedgerow as per criteria in Hedgerow Regulations 1997
- Not Important Hedgerow as per criteria in Hedgerow Regulations 1997



NG Investment No. ETX/01142

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

PROJECT: **Bramford to Twinstead Reinforcement**



TITLE: **Figure 7.5.1 Important Hedgerows**

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

ORIGINATOR DRAWING NO. **AAA_BTT_HedgerowFR_Fig7_5_1_Rev02** A3

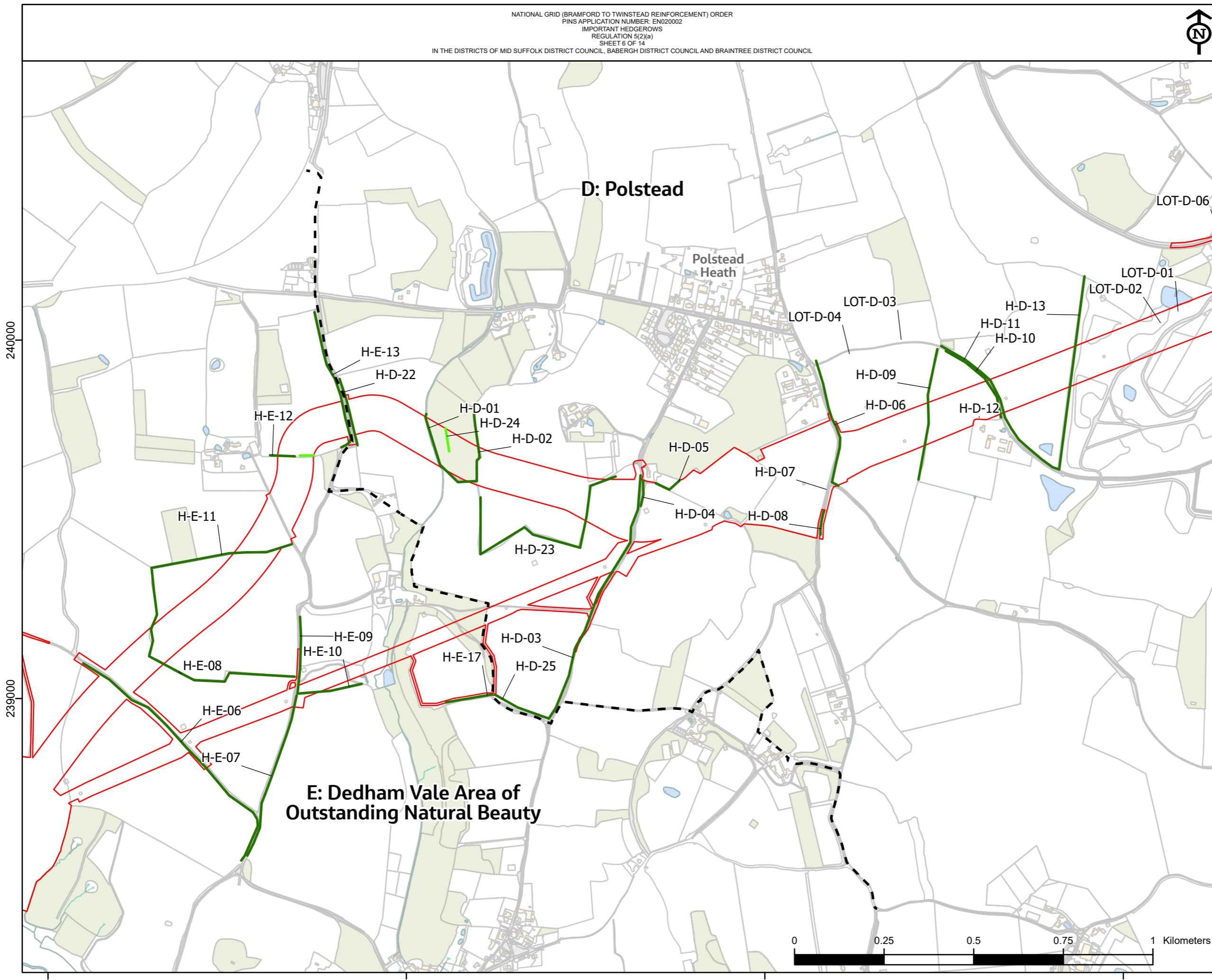
NG DRAWING No. **BT-JAC-020631-500-0013** SHEET NO. **5** NO. OF SHEETS **14** ISSUE: **A**
 SCALE: 1:10000





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.

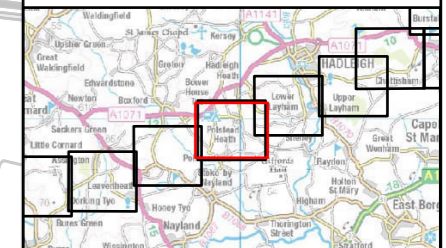
- Section boundaries
- Order Limits
- Important Hedgerow as per criteria in Hedgerow Regulations 1997
- Not Important Hedgerow as per criteria in Hedgerow Regulations 1997



240000

239000

598000 599000 600000 601000



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement



TITLE: Figure 7.5.1 Important Hedgerows

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

ORIGINATOR DRAWING NO. AAA_BT_HedgerowFR_Fig7_5_1_Rev02 A3

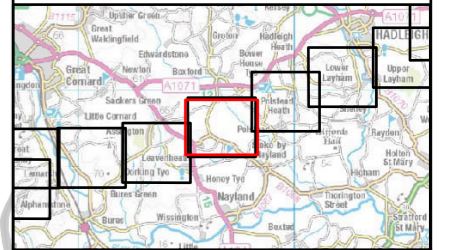
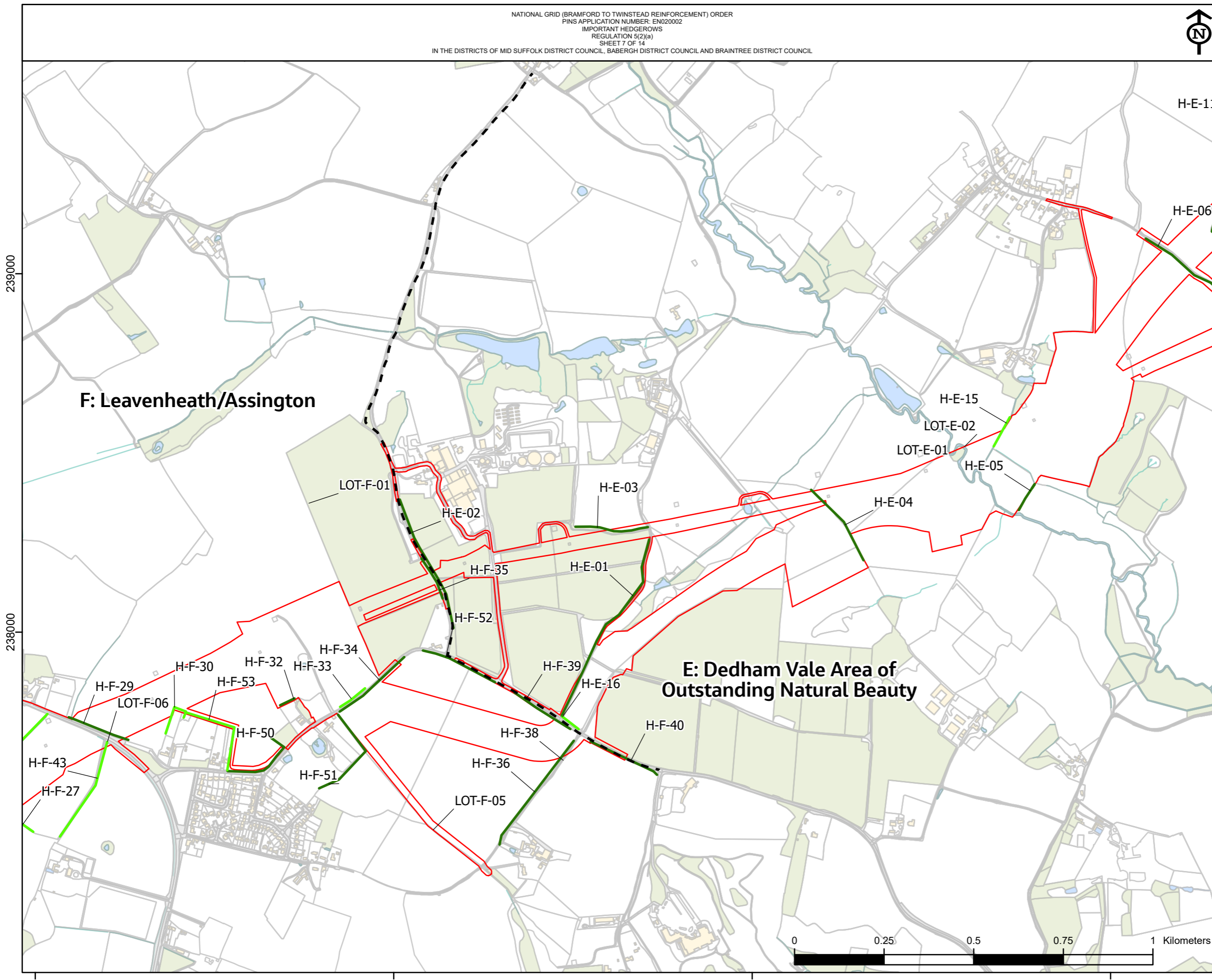
NG DRAWING No. BT-JAC-020631-500-0013
 SCALE: 1:10000
 SHEET NO. 6
 NO. OF SHEETS 14
 ISSUE: A





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.

- Section boundaries
- Order Limits
- Important Hedgerow as per
criteria in Hedgerow Regulations
1997
- Not Important Hedgerow as per
criteria in Hedgerow Regulations
1997



NG Investment No. ETX/01142

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

PROJECT: **Bramford to Twinstead Reinforcement**



TITLE: **Figure 7.5.1 Important Hedgerows**

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

ORIGINATOR DRAWING NO. **AAA_BTT_HedgerowFR_Fig7_5_1_Rev02** **A3**

NG DRAWING No. **BT-JAC-020631-500-0013** SHEET NO. **7** NO. OF SHEETS **14** ISSUE: **A**
 SCALE: 1:10000



239000

238000

595000

596000

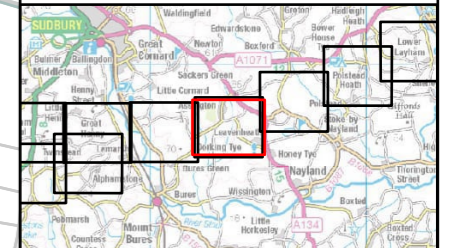
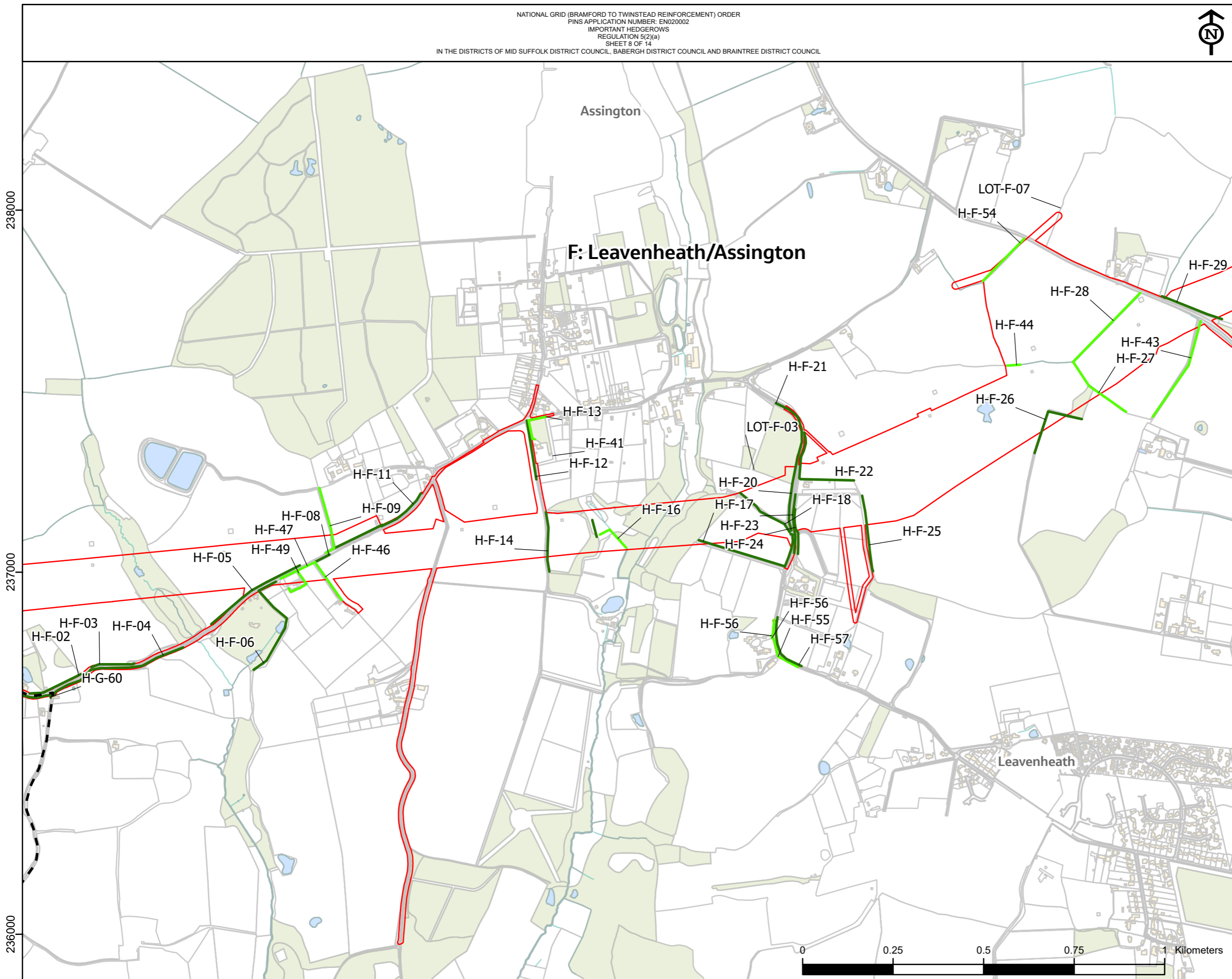
597000

598000



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.

- Section boundaries
- Order Limits
- Important Hedgerow as per
criteria in Hedgerow Regulations
1997
- Not Important Hedgerow as per
criteria in Hedgerow Regulations
1997



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE: Figure 7.5.1
Important Hedgerows

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

GIS

ORIGINATOR DRAWING NO.
AAA_BTT_HedgerowFR_Fig7_5_1_Rev02

A3

NG DRAWING No.
BT-JAC-020631-500-0013

SHEET NO. 8
NO. OF SHEETS 14
ISSUE: A

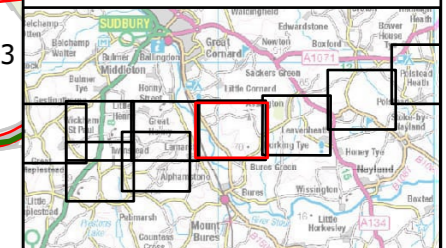
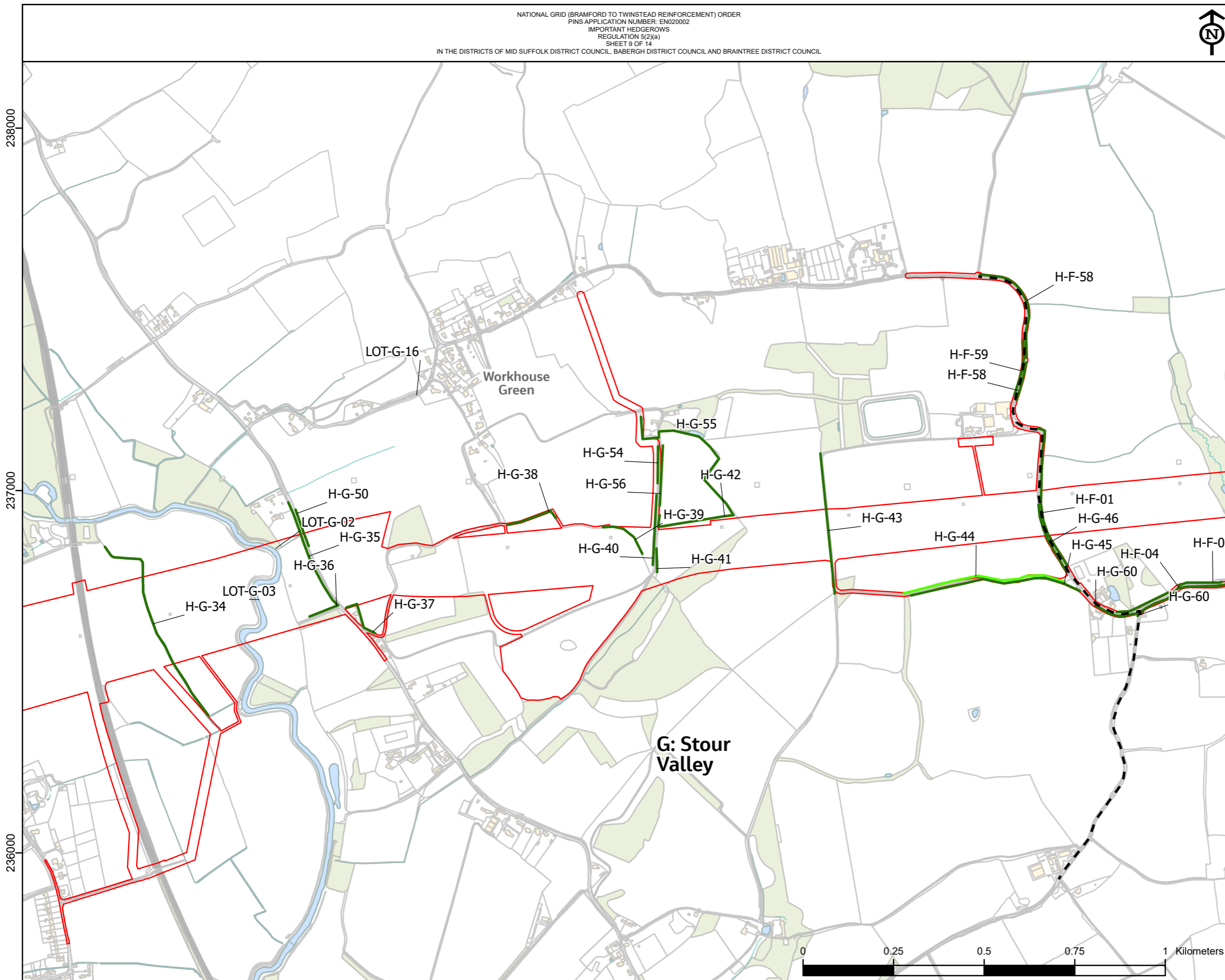
0 0.25 0.5 0.75 1 Kilometers

592000 593000 594000 595000



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.

- Section boundaries
- Order Limits
- Important Hedgerow as per criteria in Hedgerow Regulations 1997
- Not Important Hedgerow as per criteria in Hedgerow Regulations 1997



NG Investment No. ETX/01142

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

PROJECT: **Bramford to Twinstead Reinforcement**

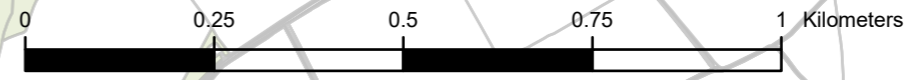


TITLE: **Figure 7.5.1 Important Hedgerows**

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

ORIGINATOR DRAWING NO.	A3
AAA_BTT_HedgerowFR_Fig7_5_1_Rev02	

NG DRAWING No.	SHEET NO.	NO. OF SHEETS	ISSUE:
BT-JAC-020631-500-0013	9	14	A
SCALE: 1:10000			



238000

237000

236000

589000

590000

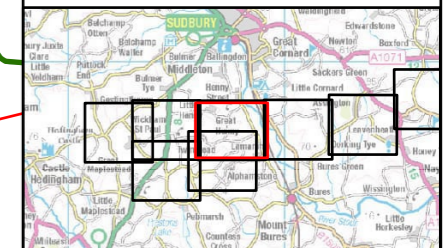
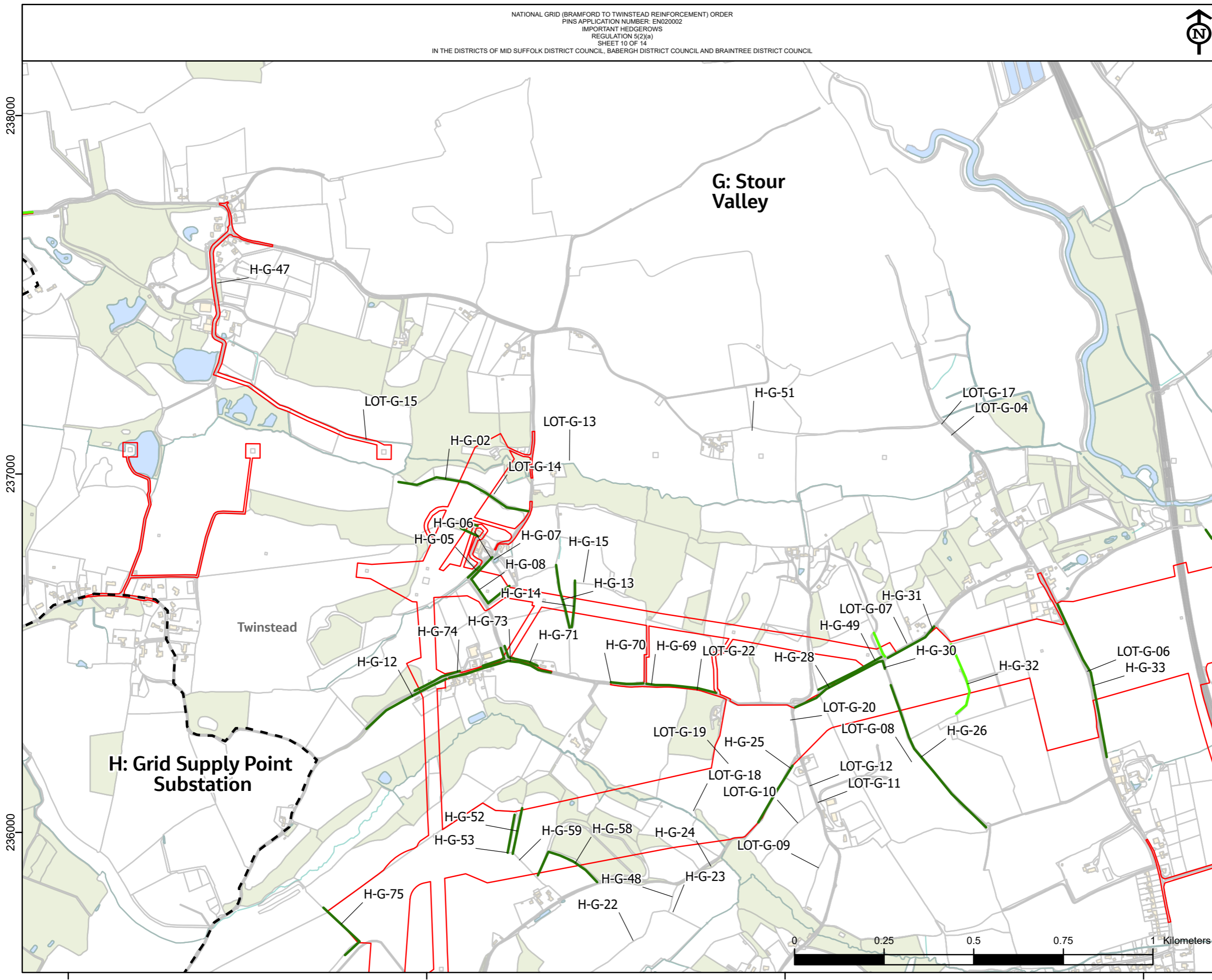
591000

592000



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.

- Section boundaries
- Order Limits
- Important Hedgerow as per criteria in Hedgerow Regulations 1997
- Not Important Hedgerow as per criteria in Hedgerow Regulations 1997



NG Investment No. ETX/01142

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

PROJECT: **Bramford to Twinstead Reinforcement**



TITLE: **Figure 7.5.1 Important Hedgerows**

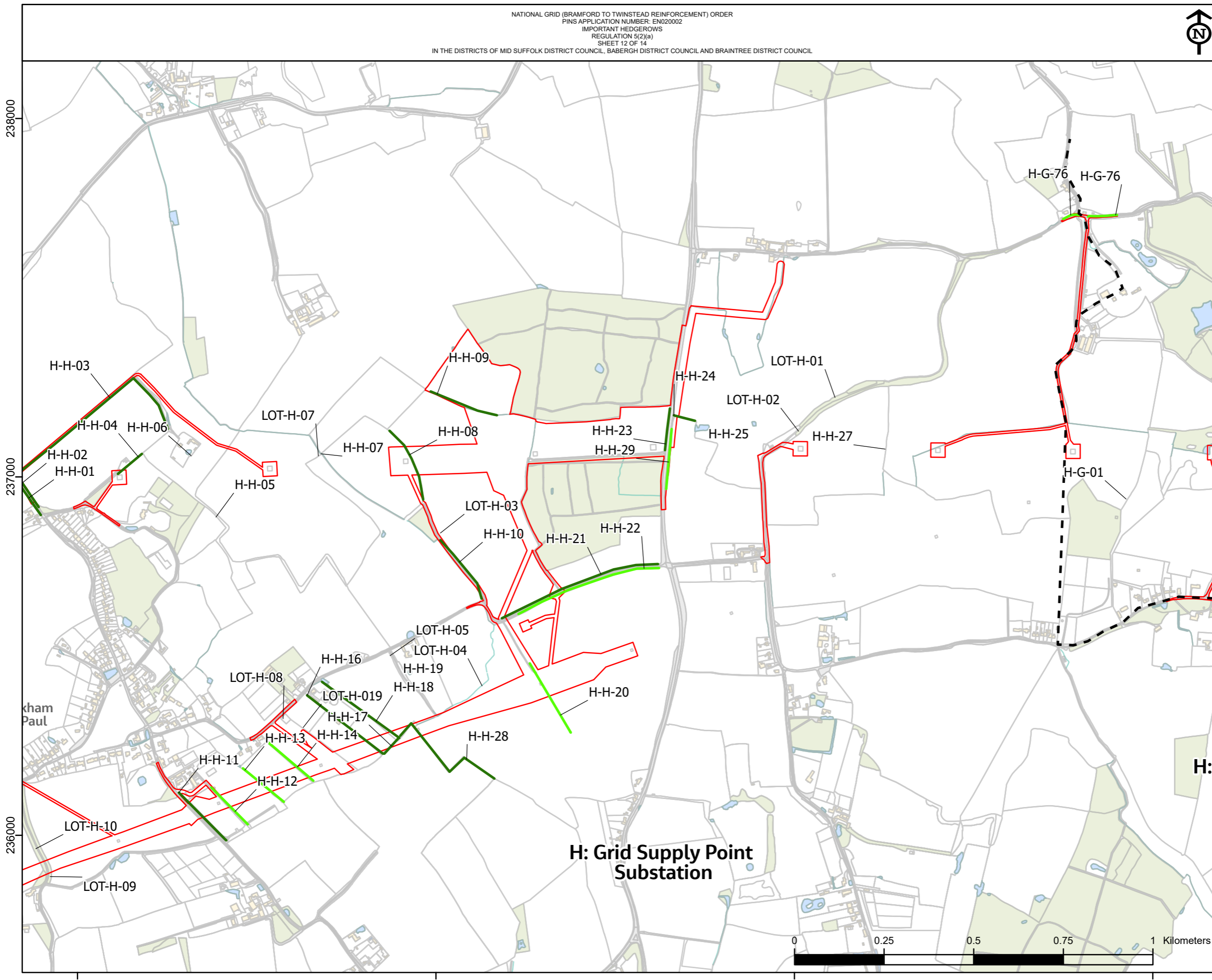
CIRCUIT / SITE : **Bramford – Pelham & Bramford – Braintree – Bulls Lodge** **GIS**

ORIGINATOR DRAWING NO. **AAA_BTT_HedgerowFR_Fig7_5_1_Rev02** **A3**

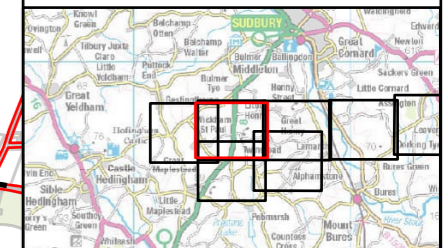
NG DRAWING No. **BT-JAC-020631-500-0013** SHEET NO. **10** NO. OF SHEETS **14** ISSUE: **A**
 SCALE: 1:10000



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.



- Section boundaries
- Order Limits
- Important Hedgerow as per criteria in Hedgerow Regulations 1997
- Not Important Hedgerow as per criteria in Hedgerow Regulations 1997



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement



TITLE: Figure 7.5.1 Important Hedgerows

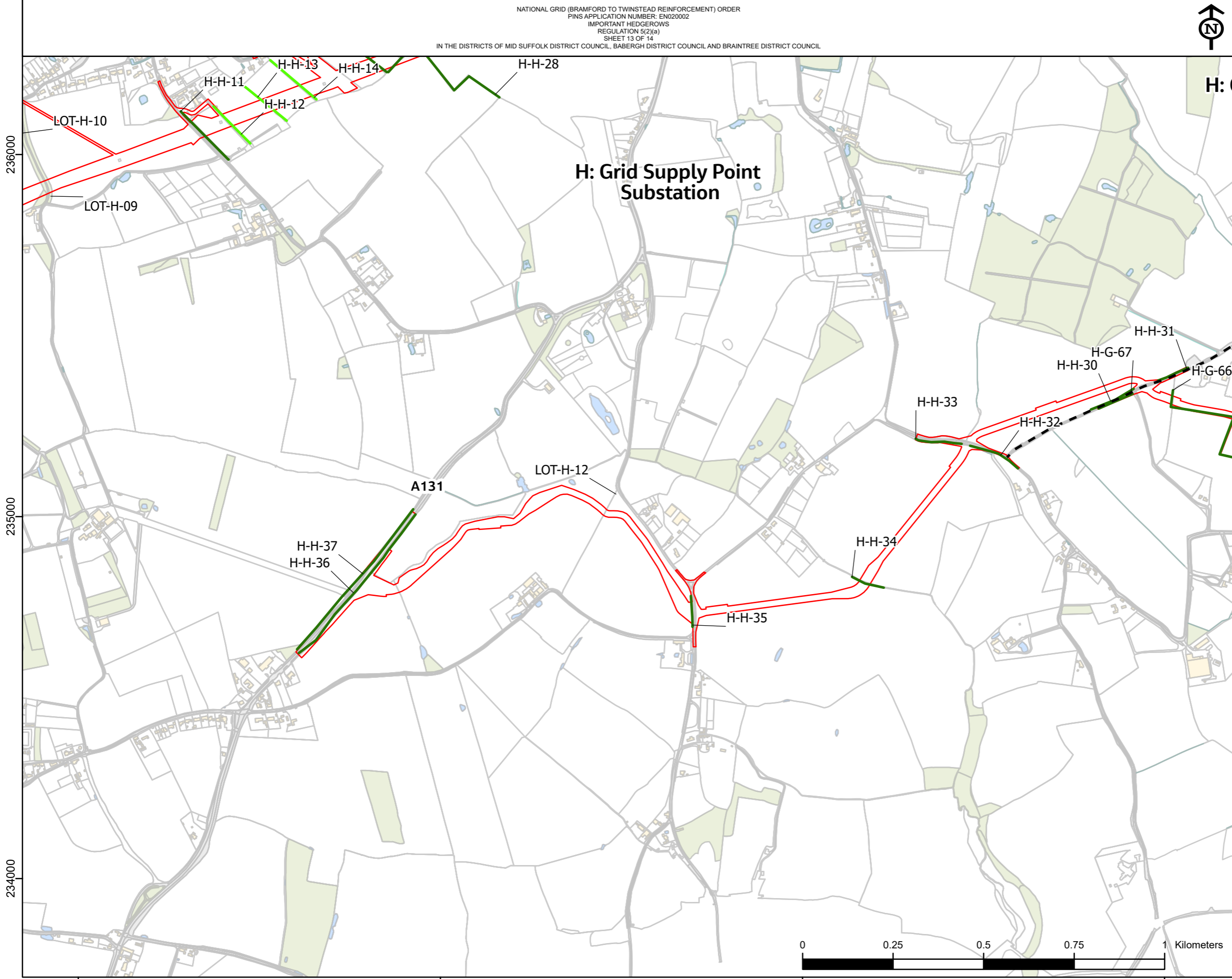
CIRCUIT / SITE : Bramford – Pelham & Bramford – Braintree – Bulls Lodge	GIS
ORIGINATOR DRAWING NO. AAA_BTT_HedgerowFR_Fig7_5_1_Rev02	A3

NG DRAWING No. BT-JAC-020631-500-0013	SHEET NO. 12	NO. OF SHEETS 14	ISSUE: A
SCALE: 1:10000			

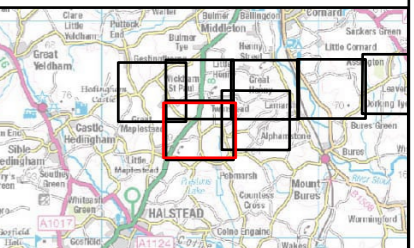




Reproduced from ordnance survey maps by permission of the
 ordnance survey on behalf of the controller of her majesty's
 stationery office.
 © Crown copyright ordnance survey, Licence no. 0100052046.



- Section boundaries
- Order Limits
- Important Hedgerow as per criteria in Hedgerow Regulations 1997
- Not Important Hedgerow as per criteria in Hedgerow Regulations 1997



NG Investment No. ETX/01142

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

PROJECT: **Bramford to Twinstead Reinforcement**



TITLE: **Figure 7.5.1 Important Hedgerows**

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

ORIGINATOR DRAWING NO. **AAA_BTT_HedgerowFR_Fig7_5_1_Rev02** A3

NG DRAWING No. **BT-JAC-020631-500-0013** SHEET NO. **13** NO. OF SHEETS **14** ISSUE: **A**



583000 584000 585000 586000 234000 235000 236000



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.

- Section boundaries
- Order Limits
- Important Hedgerow as per
criteria in Hedgerow Regulations
1997
- Not Important Hedgerow as per
criteria in Hedgerow Regulations
1997

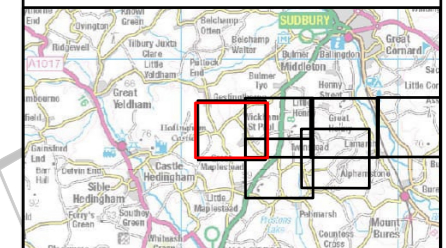
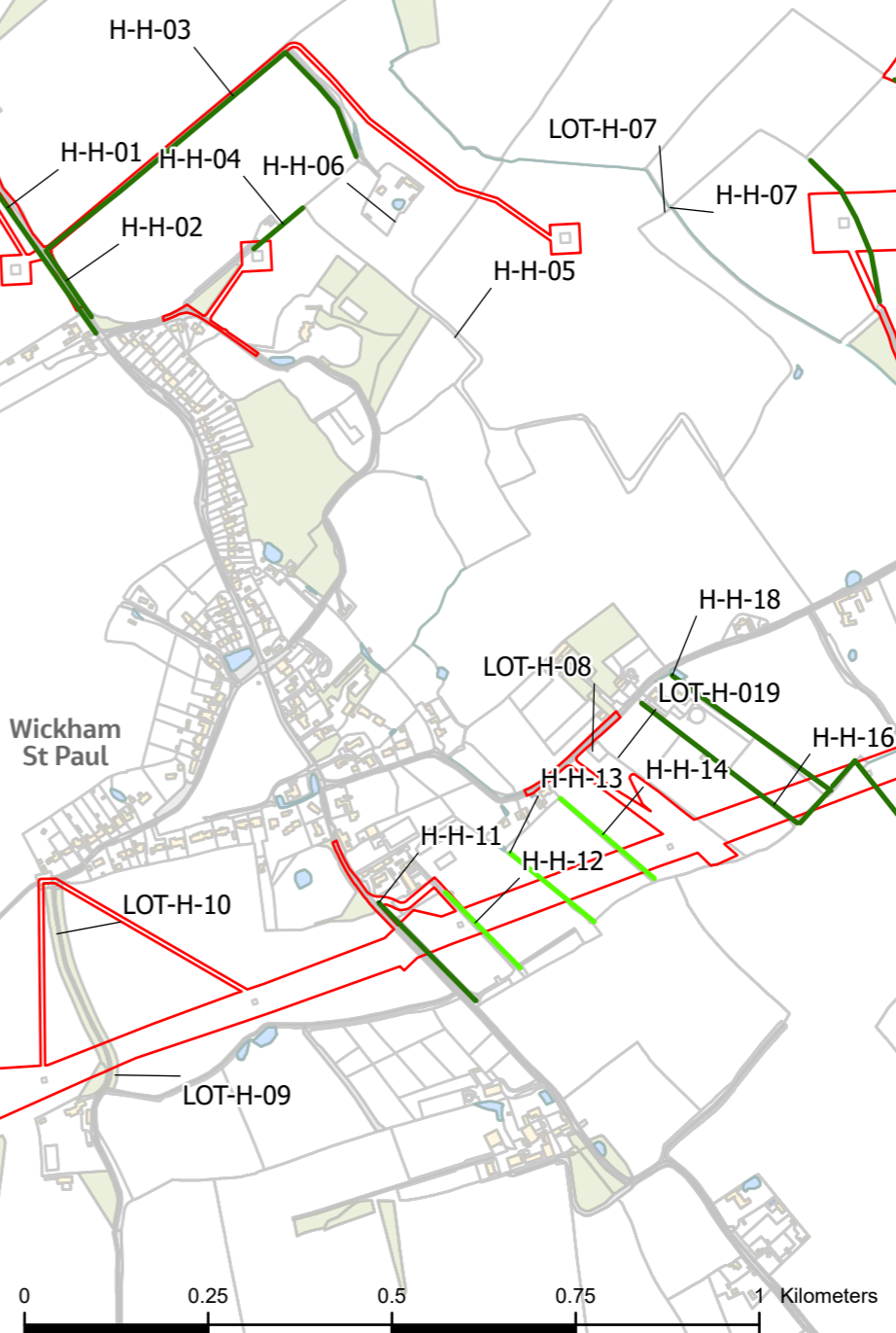
238000

237000

236000

**H: Grid Supply Point
Substation**

Wickham
St Paul



NG Investment No. ETX/01142

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

PROJECT: **Bramford to Twinstead
Reinforcement**

nationalgrid

TITLE: **Figure 7.5.1
Important Hedgerows**

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

ORIGINATOR DRAWING NO.
AAA_BTT_HedgerowFR_Fig7_5_1_Rev02 A3

NG DRAWING No. BT-JAC-020631-500-0013	SHEET NO.	NO. OF SHEETS	ISSUE:
SCALE: 1:10000	14	14	A



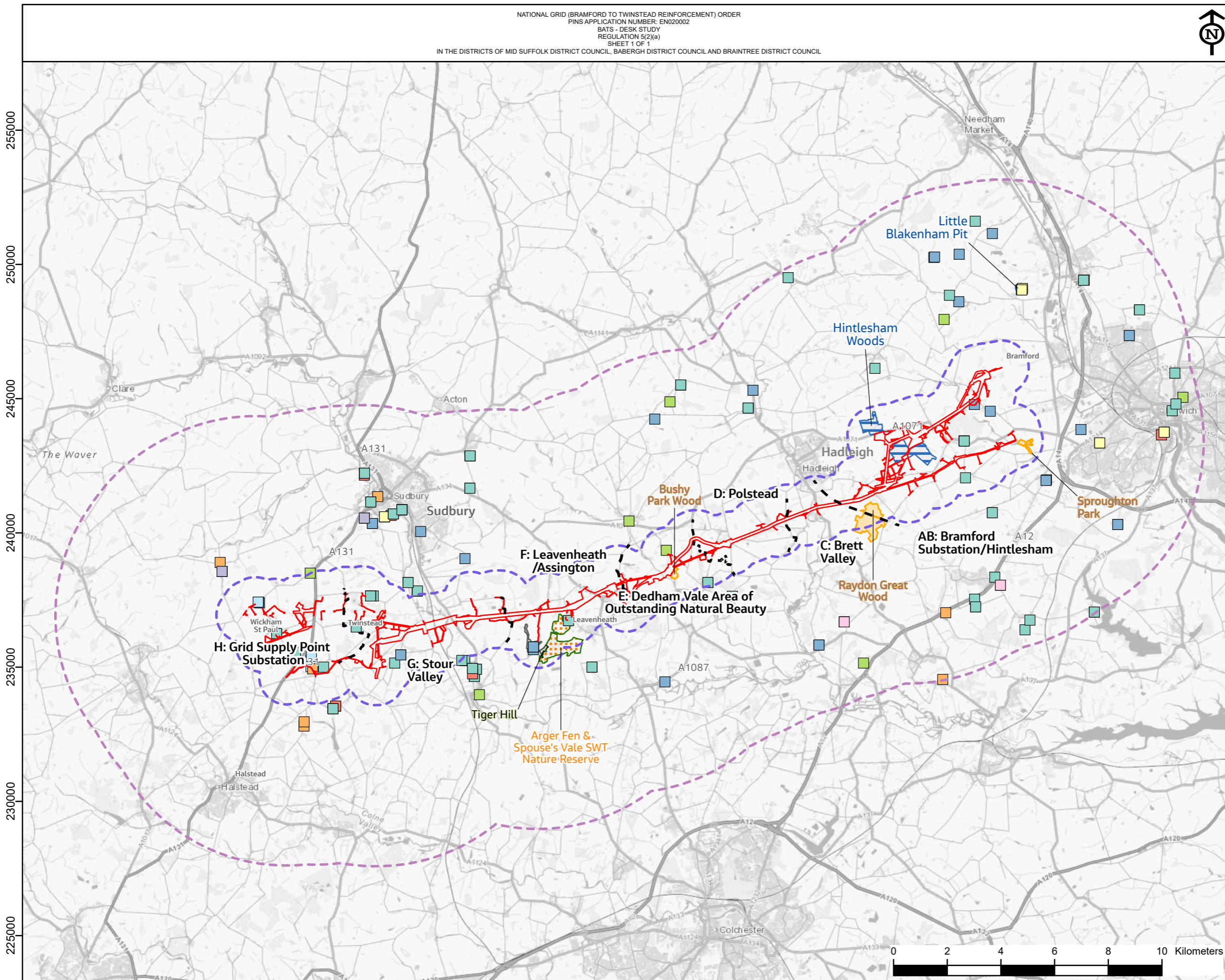
581000

582000

583000

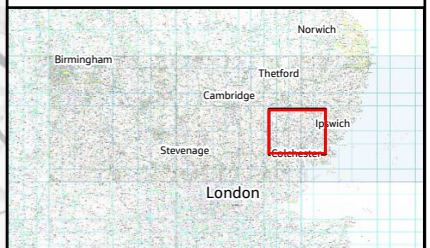


Contains OS data © Crown Copyright and database right 2020



- Section boundaries
- Order Limits
- Study area (7km)
- Distance marker (1km)
- Sites of Special Scientific Interest (SSSI)
- Local Nature Reserve (LNR)
- County Wildlife Site (CWS)
- Suffolk Wildlife Trust (SWT) Nature Reserves

- Bat roost records**
- Barbastelle
 - Brown Long-eared Bat
 - Daubenton's Bat
 - Long-eared Bat species
 - Natterer's Bat
 - Pipistrelle
 - Soprano Pipistrelle
 - Common Pipistrelle
 - Serotine
 - Unknown Bat species



NG Investment No. ETX/01142

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

PROJECT: **Bramford to Twinstead Reinforcement**

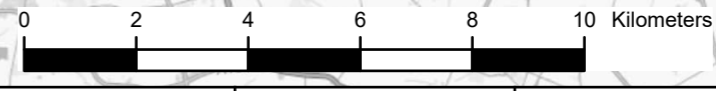
nationalgrid

TITLE: **Figure 7.7.1
Bats - Desk Study**

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

ORIGINATOR DRAWING NO. **AAA_BTT_BatsFR_Fig7_7_1_Rev01** **A3**

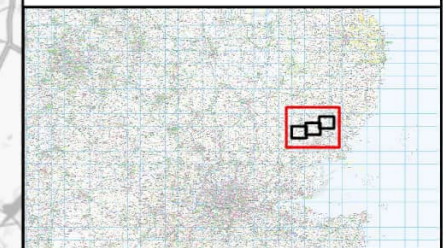
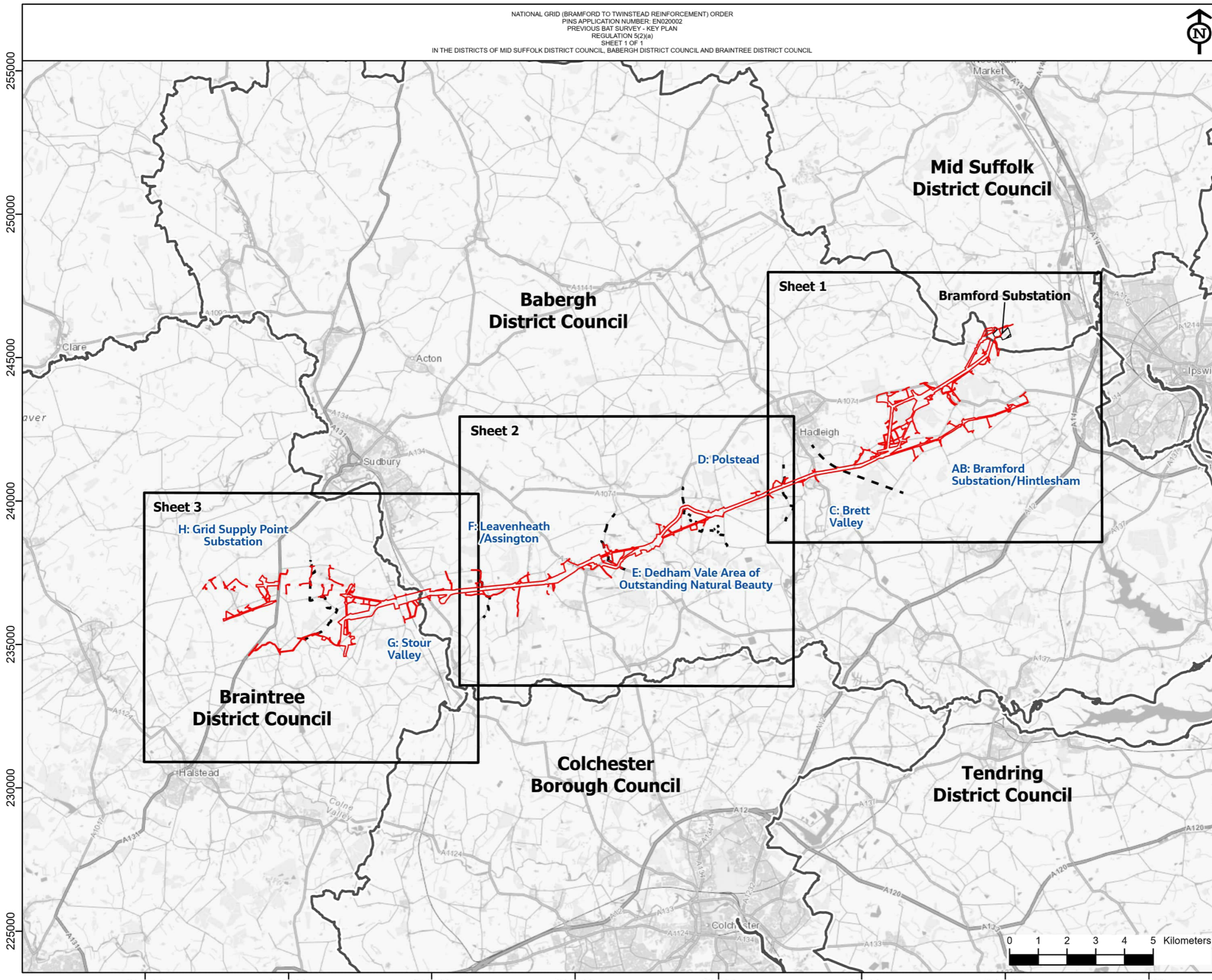
NG DRAWING No. BT-JAC-020631-500-0025	SHEET NO. 1	NO. OF SHEETS 1	ISSUE: A
--	-----------------------	---------------------------	--------------------





Contains OS data © Crown Copyright and database right 2020

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



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement

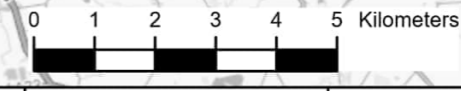
nationalgrid

TITLE: Figure 7.7.2
Previous Bat Survey - Key Plan

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

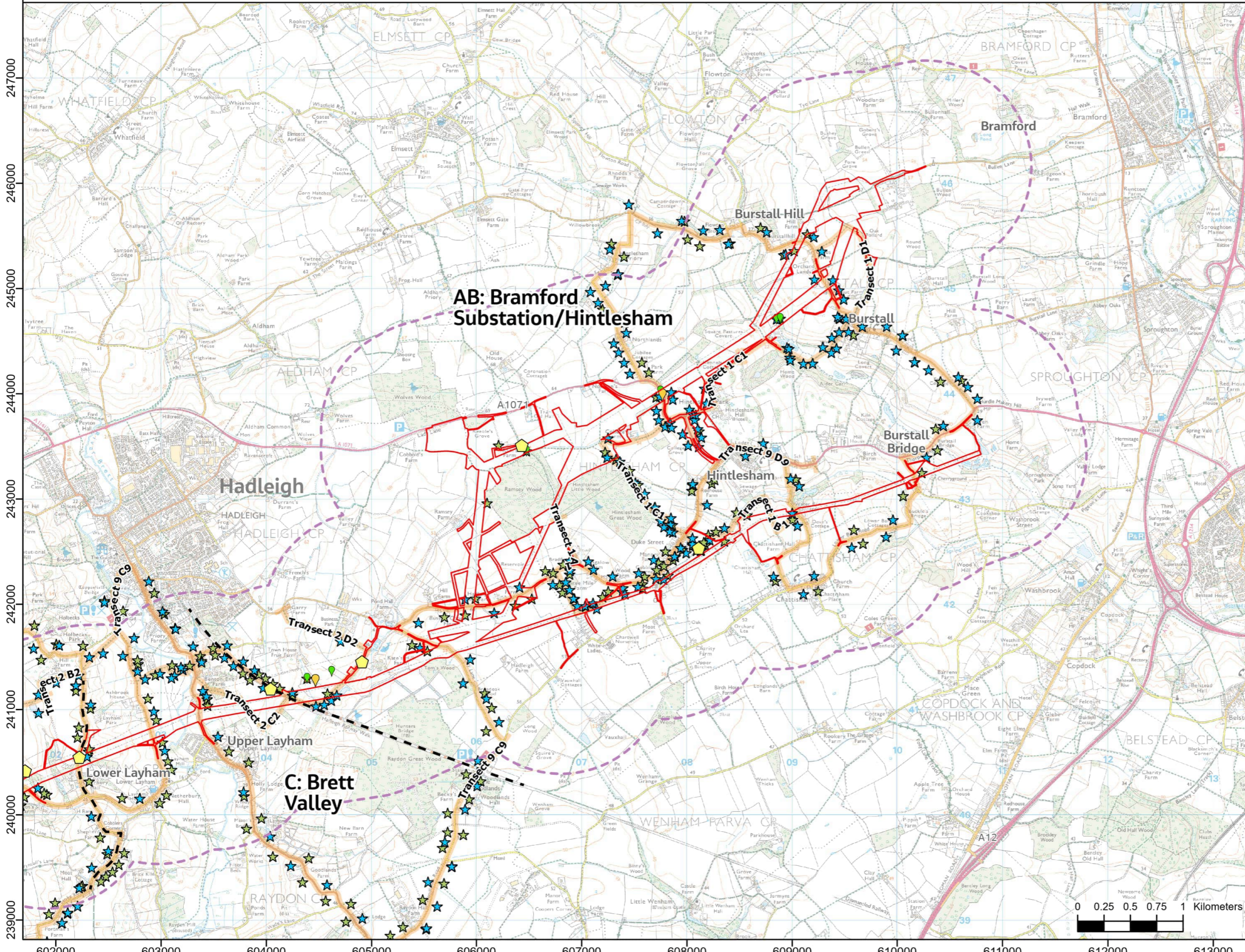
ORIGINATOR DRAWING NO.
AAA_BTT_BatsFR_Fig7.7.2_Rev01_KeyPlan

NG DRAWING No. BT-JAC-020631-500-0026	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.



- Section boundaries
- Order Limits
- Distance marker (1km)
- Bat activity survey 2012/3**
- ☆ Barbastelle Bat
- ★ Brown Long-Eared Bat
- ☆ Daubenton's Bat
- ★ Myotis Species
- ★ Natterer's Bat
- ★ Noctule
- ★ Pipistrelle
- ★ Serotine
- ★ Soprano Pipistrelle
- ★ Unknown Bat Species
- Bat roosts in trees 2012/3**
- Confirmed
- Possible
- Bat transect
- Static detectors 2012



NG Investment No. ETX/01142

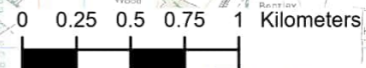
A	03/2023	Rev A for DCO Application	PM	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

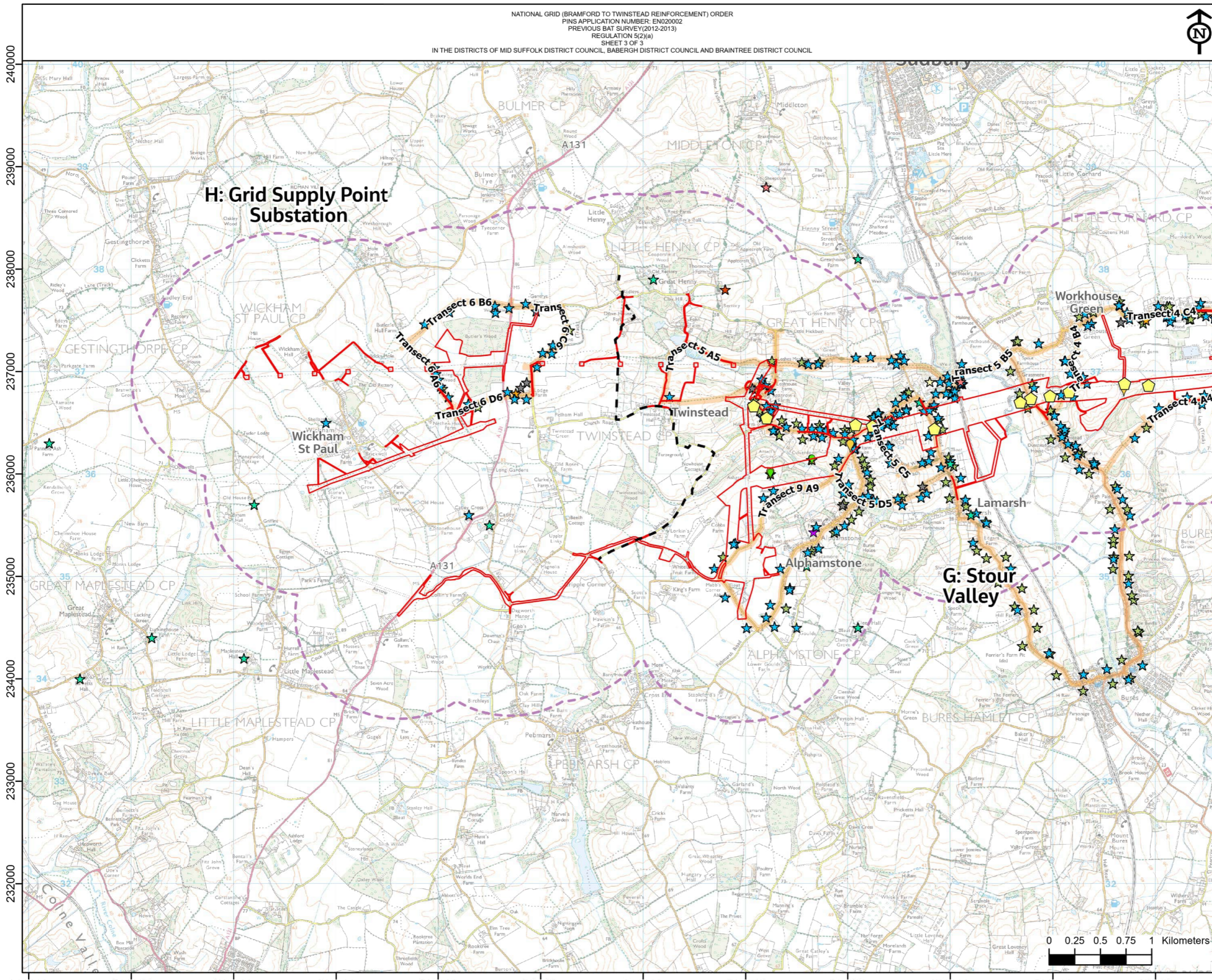
TITLE: Figure 7.7.2 Previous Bat Survey

CIRCUIT / SITE : Bramford – Pelham & Bramford – Braintree – Bulls Lodge	GIS
ORIGINATOR DRAWING NO. AAA_BTT_BatsFR_Fig7_7_2_Rev01	A3
NG DRAWING No. BT-JAC-020631-500-0026	SHEET NO. 1
SCALE: 1:35000	NO. OF SHEETS 3
	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.



- Section boundaries
- Order Limits
- - - Distance marker (1km)
- Bat activity survey 2012/3**
- ★ Barbastelle Bat
- ★ Brown Long-Eared Bat
- ★ Daubenton's Bat
- ★ Myotis Species
- ★ Natterer's Bat
- ★ Noctule
- ★ Pipistrelle
- ★ Serotine
- ★ Soprano Pipistrelle
- ★ Unknown Bat Species
- Bat roosts in trees 2012/3**
- Confirmed
- Possible
- Bat transect
- Static detectors 2012



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement

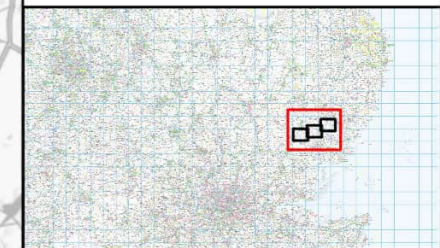
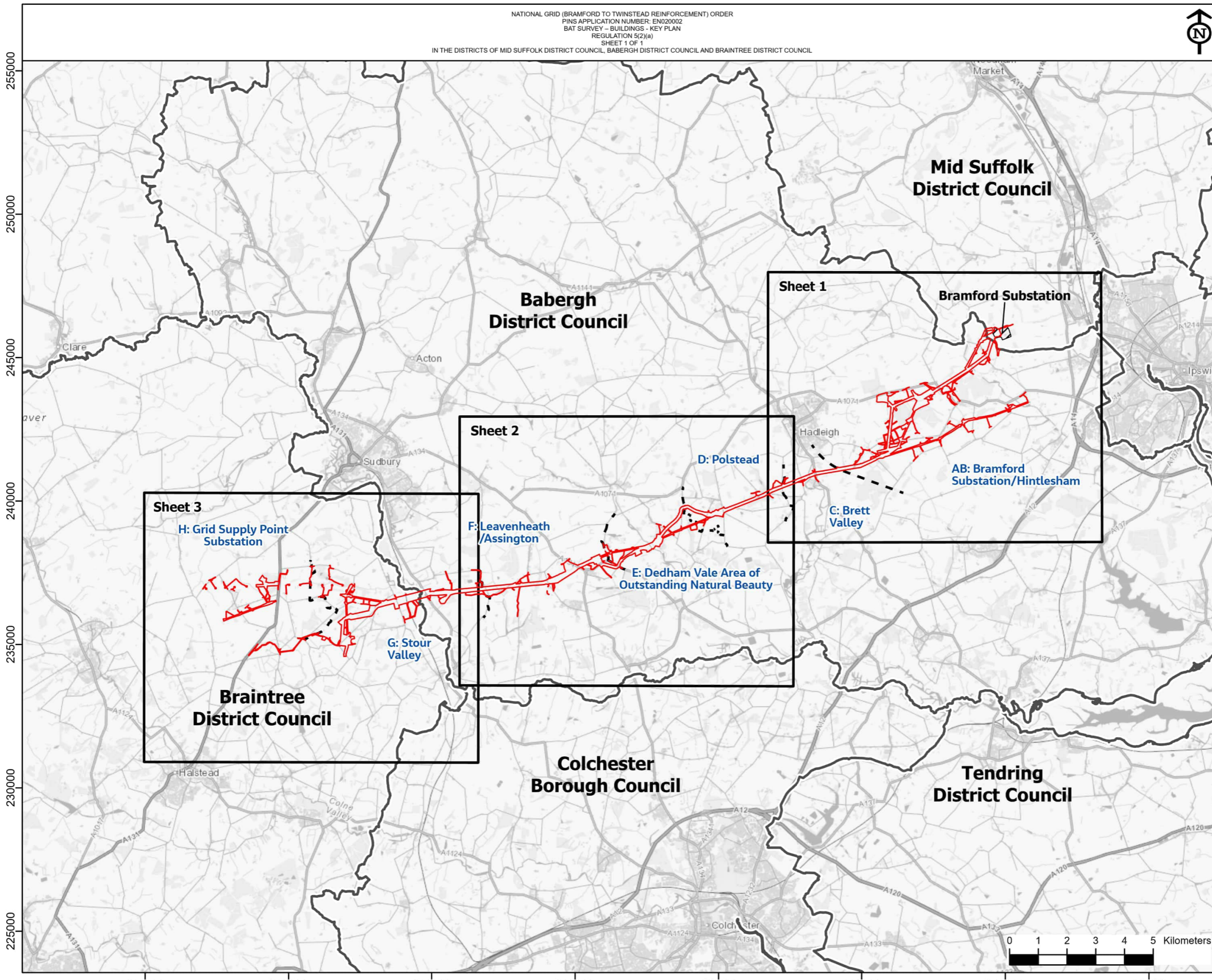
nationalgrid

TITLE: Figure 7.7.2 Previous Bat Survey

CIRCUIT / SITE : Bramford – Pelham & Bramford – Braintree – Bulls Lodge		GIS
ORIGINATOR DRAWING NO. AAA_BTT_BatsFR_Fig7_7_2_Rev01		A3
NG DRAWING No. BT-JAC-020631-500-0026	SHEET NO. 3	NO. OF SHEETS 3
SCALE: 1:35000	ISSUE: A	



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



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement



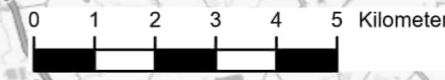
TITLE: Figure 7.7.3
 Bat Survey – Buildings - Key Plan

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

ORIGINATOR DRAWING NO.
 AAA_BTT_BatsFR_Fig7.7.3_Rev01_KeyPlan

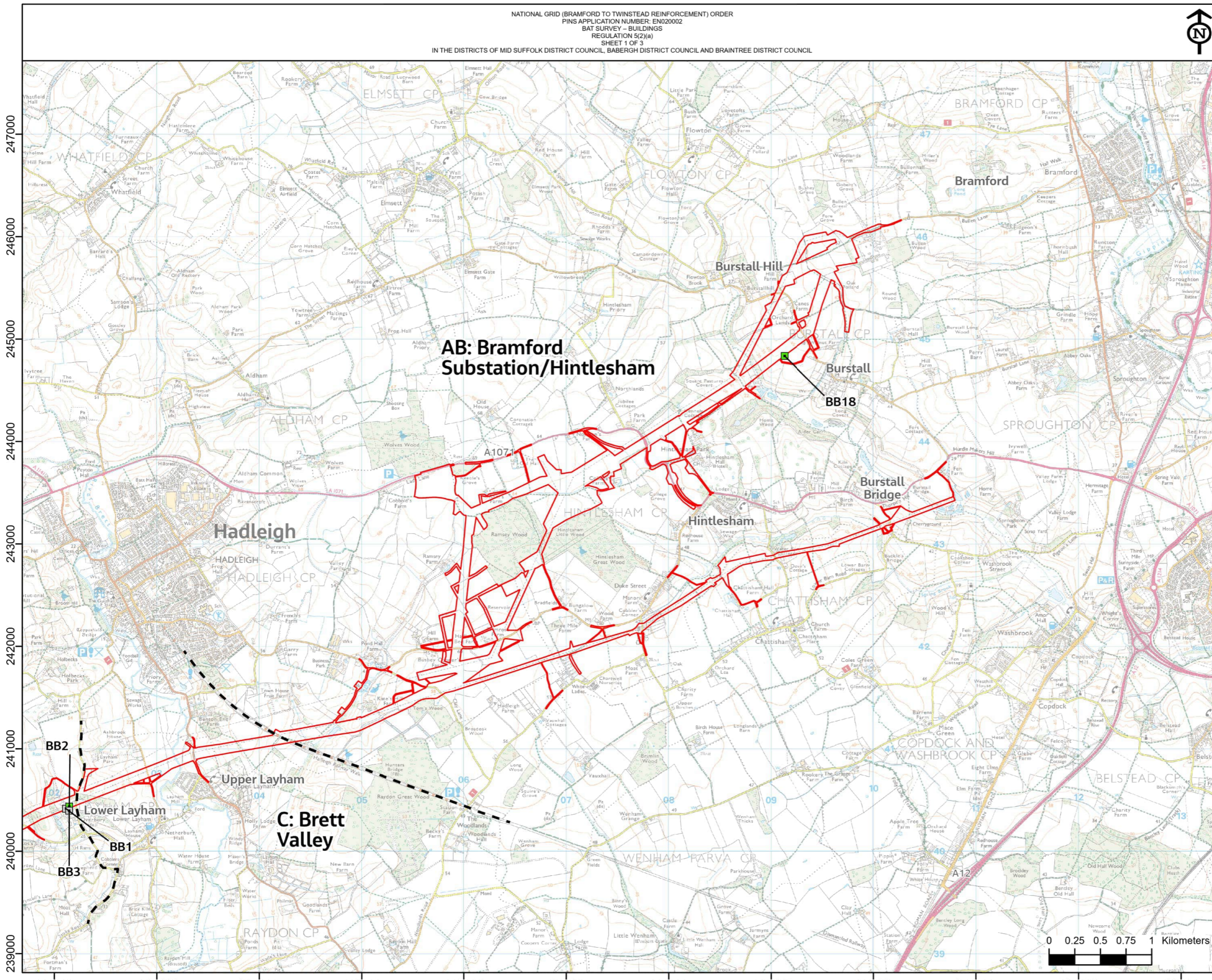
NG DRAWING No. BT-JAC-020631-500-0027	SHEET NO. 1	NO. OF SHEETS 1	ISSUE: A
--	----------------	--------------------	-------------

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.



- Section boundaries
- Order Limits
- Bat roost potential - buildings***
- Confirmed
- High
- Moderate
- Low
- Negligible

* Building ID 4 and 12 to 16 are located beyond the 50m survey area and are not shown



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE: Figure 7.7.3
 Bat Survey – Buildings

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

GIS

ORIGINATOR DRAWING NO.
 AAA_BTT_BatsFR_Fig7_7_3ac_Rev01

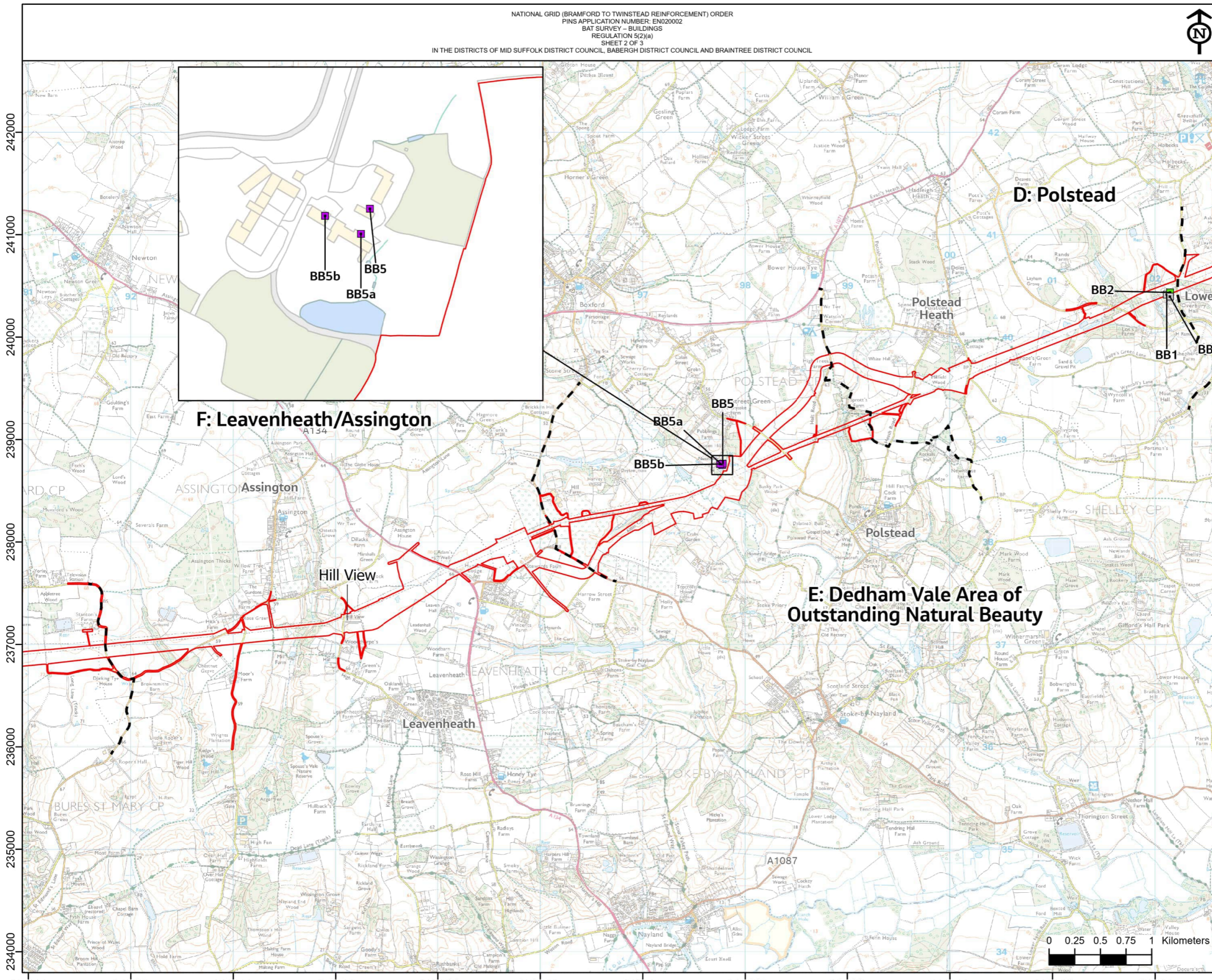
A3

NG DRAWING No. BT-JAC-020631-500-0027	SHEET NO. 1	NO. OF SHEETS 3	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.



- Section boundaries
- Order Limits
- Bat roost potential - buildings***
- Confirmed
- High
- Moderate
- Low
- Negligible

* Building ID 4 and 12 to 16 are located beyond the 50m survey area and are not shown



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE: Figure 7.7.3
Bat Survey – Buildings

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

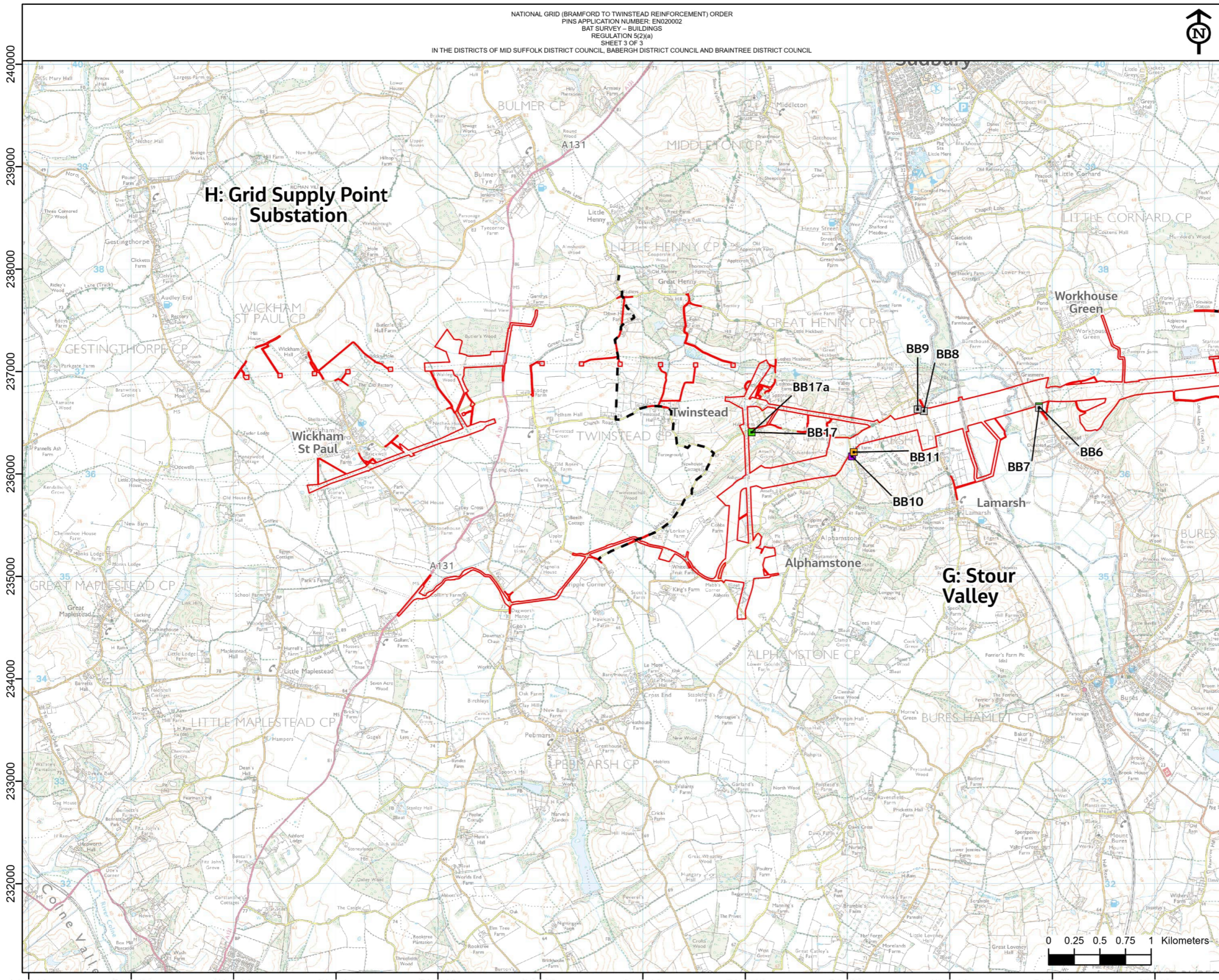
ORIGINATOR DRAWING NO. AAA_BTT_BatsFR_Fig7_7_3b_Rev01 A3

NG DRAWING No. BT-JAC-020631-500-0027	SHEET NO. 2	NO. OF SHEETS 3	ISSUE: A
---------------------------------------	-------------	-----------------	----------

SCALE: 1:35000

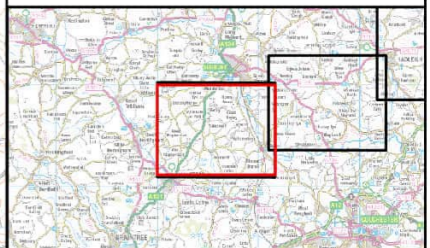


Reproduced from Ordnance Survey maps by permission of the Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office.
 © Crown copyright Ordnance Survey, Licence no. 0100052046.



- Section boundaries
- Order Limits
- Bat roost potential - buildings***
- Confirmed
- High
- Moderate
- Low
- Negligible

* Building ID 4 and 12 to 16 are located beyond the 50m survey area and are not shown



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement

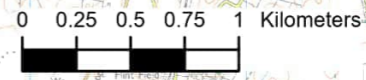
nationalgrid

TITLE: Figure 7.7.3
 Bat Survey – Buildings

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

ORIGINATOR DRAWING NO. AAA_BTT_BatsFR_Fig7_3ac_Rev01 **A3**

NG DRAWING No. BT-JAC-020631-500-0027	SHEET NO. 3	NO. OF SHEETS 3	ISSUE: A
---------------------------------------	-------------	-----------------	----------

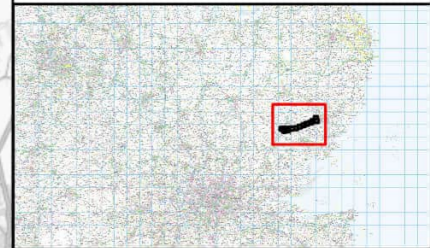
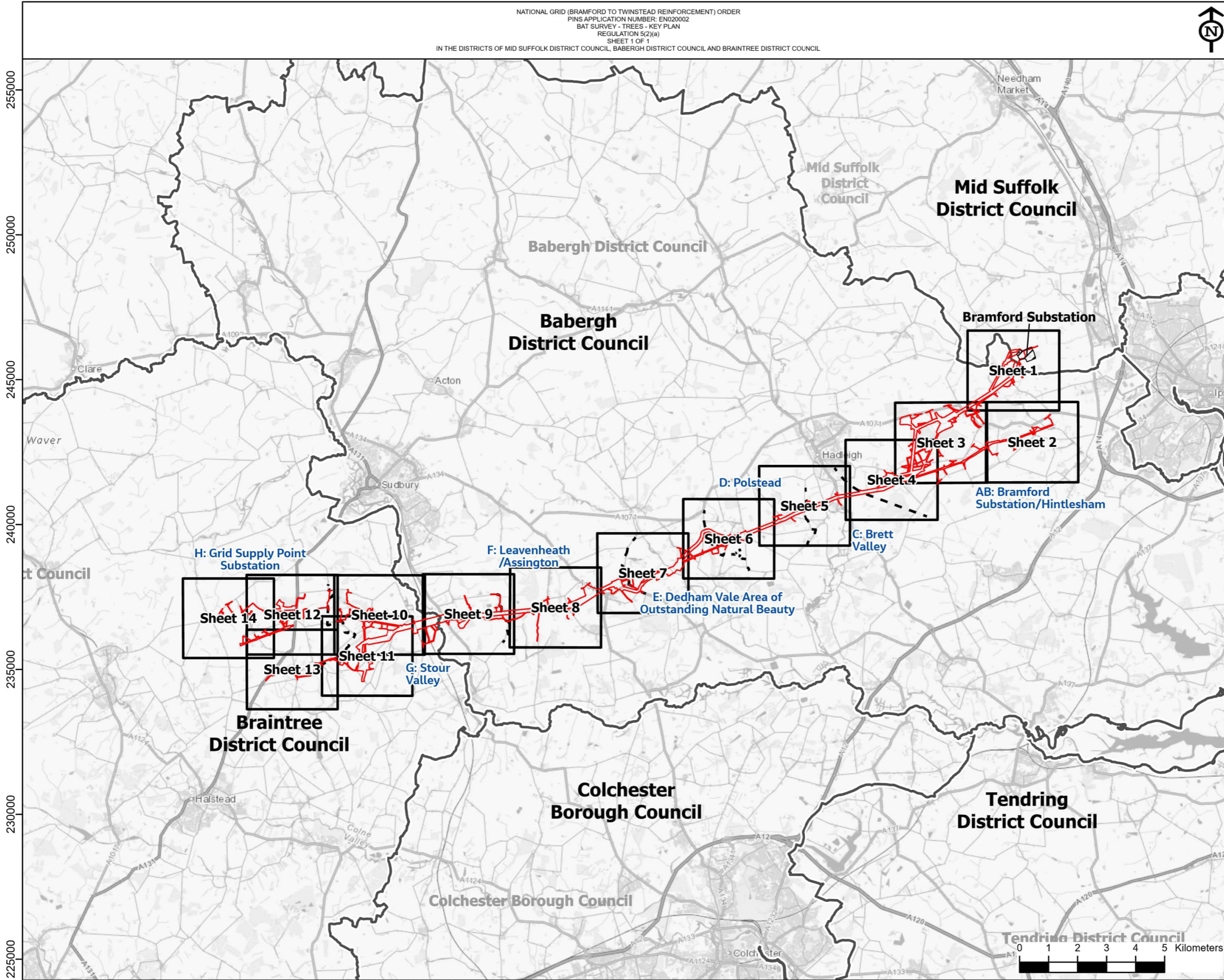




Contains OS data © Crown Copyright and database right 2020

Legend

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



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE: Figure 7.7.4
 Bat Survey - Trees - Key Plan

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

GIS

ORIGINATOR DRAWING NO.
 AAA_BTT_BatsFR_Fig7.7.4_Rev01_KeyPlan

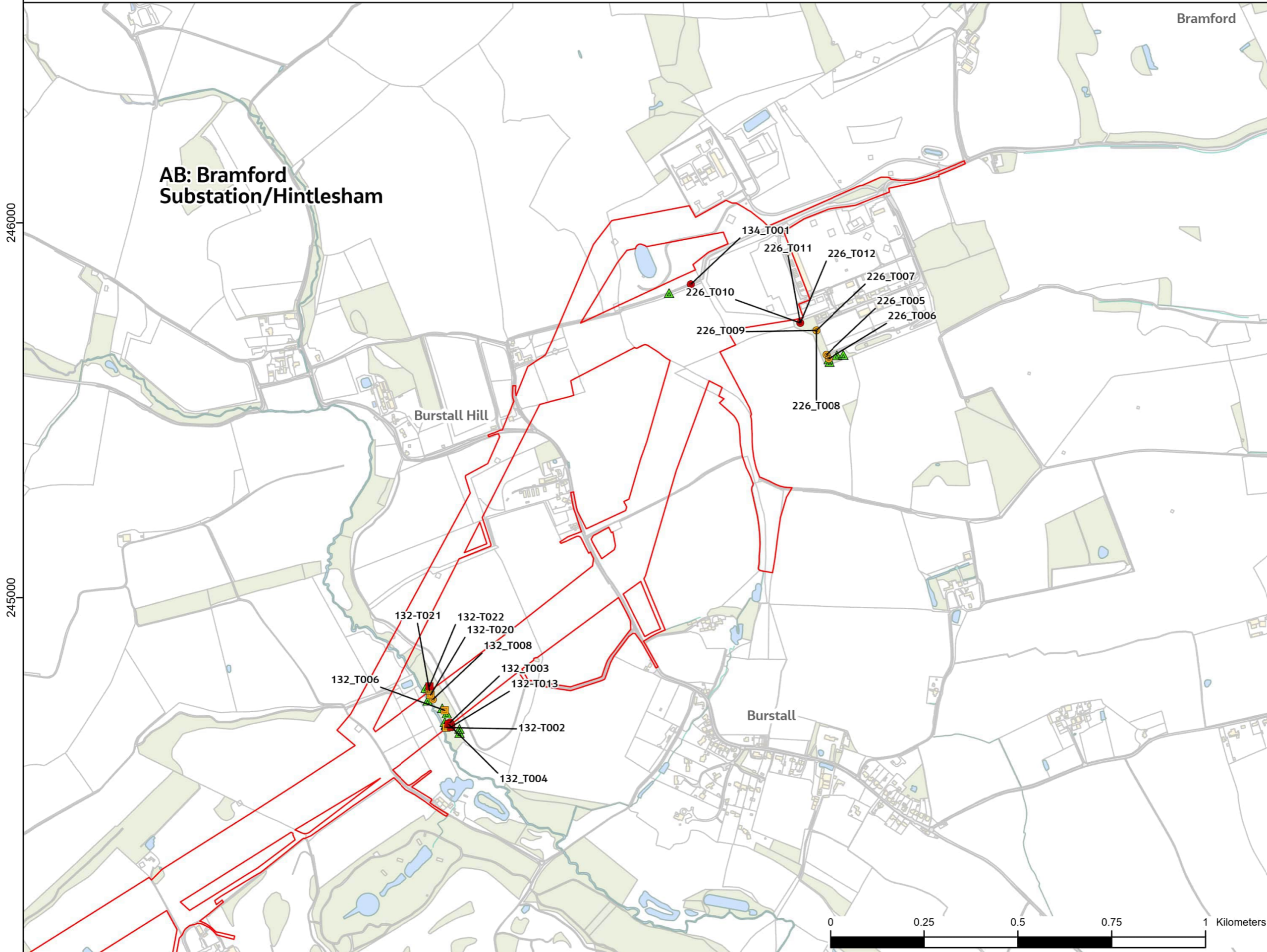
A3

NG DRAWING No. BT-JAC-020631-500-0028	SHEET NO. 1	NO. OF SHEETS 1	ISSUE: A
--	----------------	--------------------	-------------

SCALE: 1:100000



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.



246000

245000

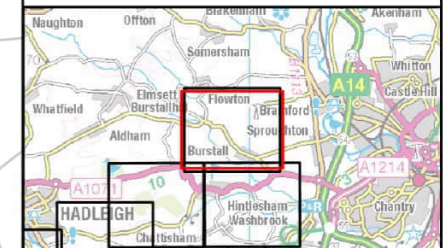
608000

609000

610000

611000

- Section boundaries
- Order Limits
- Bat roost potential – trees and survey method**
- Confirmed roost; endoscope inspection
- High; endoscope inspection
- Moderate; endoscope inspection
- Confirmed roost; dusk/dawn
- High; dusk/dawn
- Moderate; dusk/dawn
- Low; ground based assessment



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement

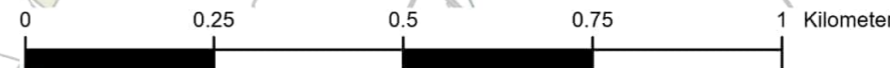


TITLE: Figure 7.7.4
Bat Survey - Trees

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

ORIGINATOR DRAWING NO. AAA_BTT_BatsFR_Fig7_7_4ab_en_Rev01 A3

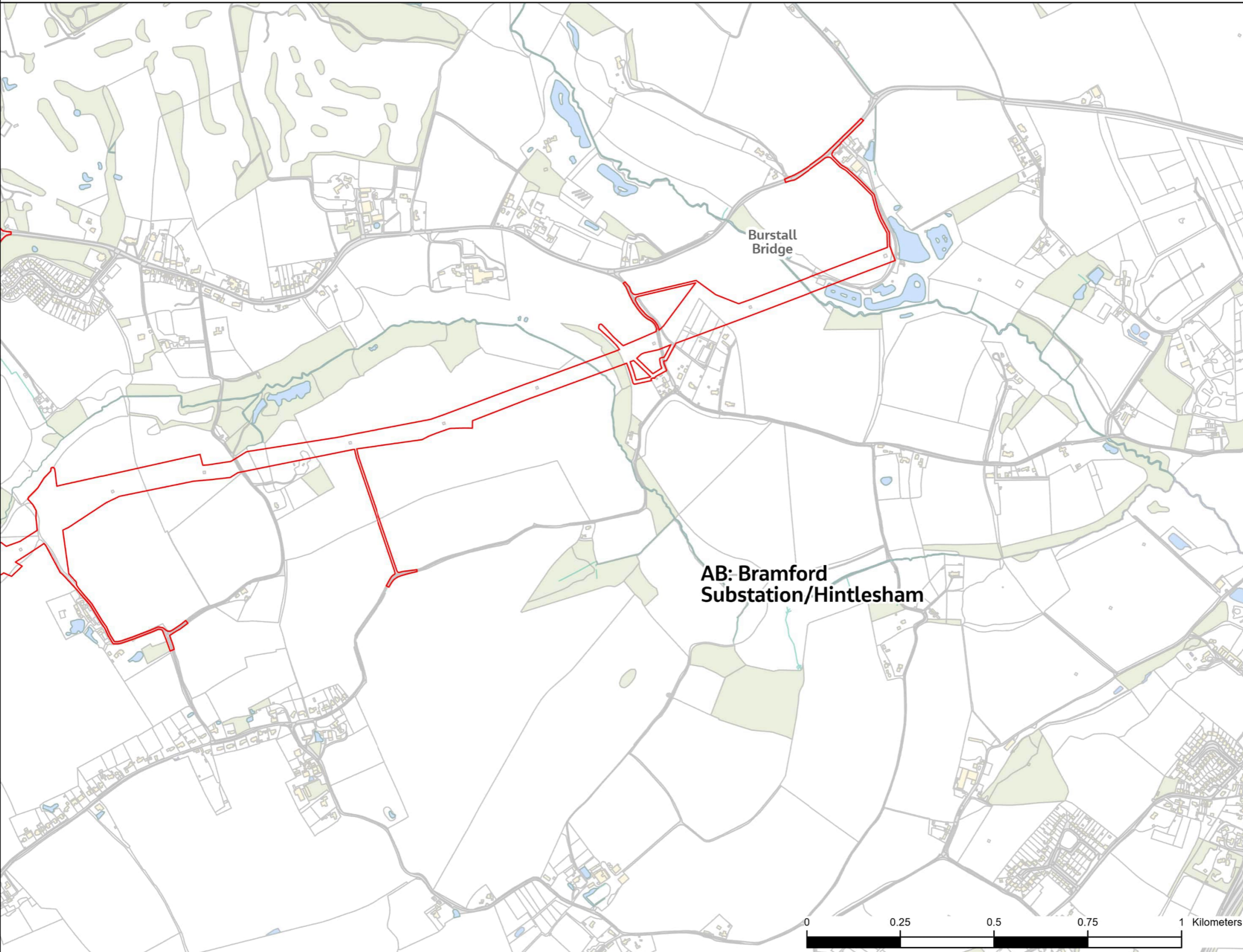
NG DRAWING No. BT-JAC-020631-500-0028	SHEET NO. 1	NO. OF SHEETS 14	ISSUE: A
--	----------------	---------------------	-------------



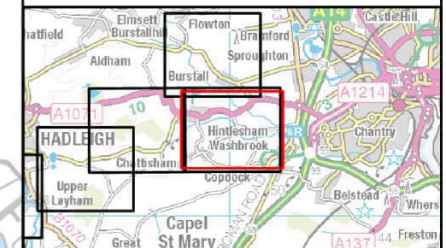


Reproduced from Ordnance Survey maps by permission of the Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office.
 © Crown copyright Ordnance Survey, Licence no. 0100052046.

244000
243000
242000



- Section boundaries
- Order Limits
- Bat roost potential – trees and survey method**
- Confirmed roost; endoscope inspection
- High; endoscope inspection
- Moderate; endoscope inspection
- Confirmed roost; dusk/dawn
- High; dusk/dawn
- Moderate; dusk/dawn
- Low; ground based assessment



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement



TITLE: Figure 7.7.4
Bat Survey - Trees

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

ORIGINATOR DRAWING NO. AAA_BTT_BatsFR_Fig7_7_4ab_en_Rev01 A3

NG DRAWING No. BT-JAC-020631-500-0028 SHEET NO. 2 NO. OF SHEETS 14 ISSUE: A

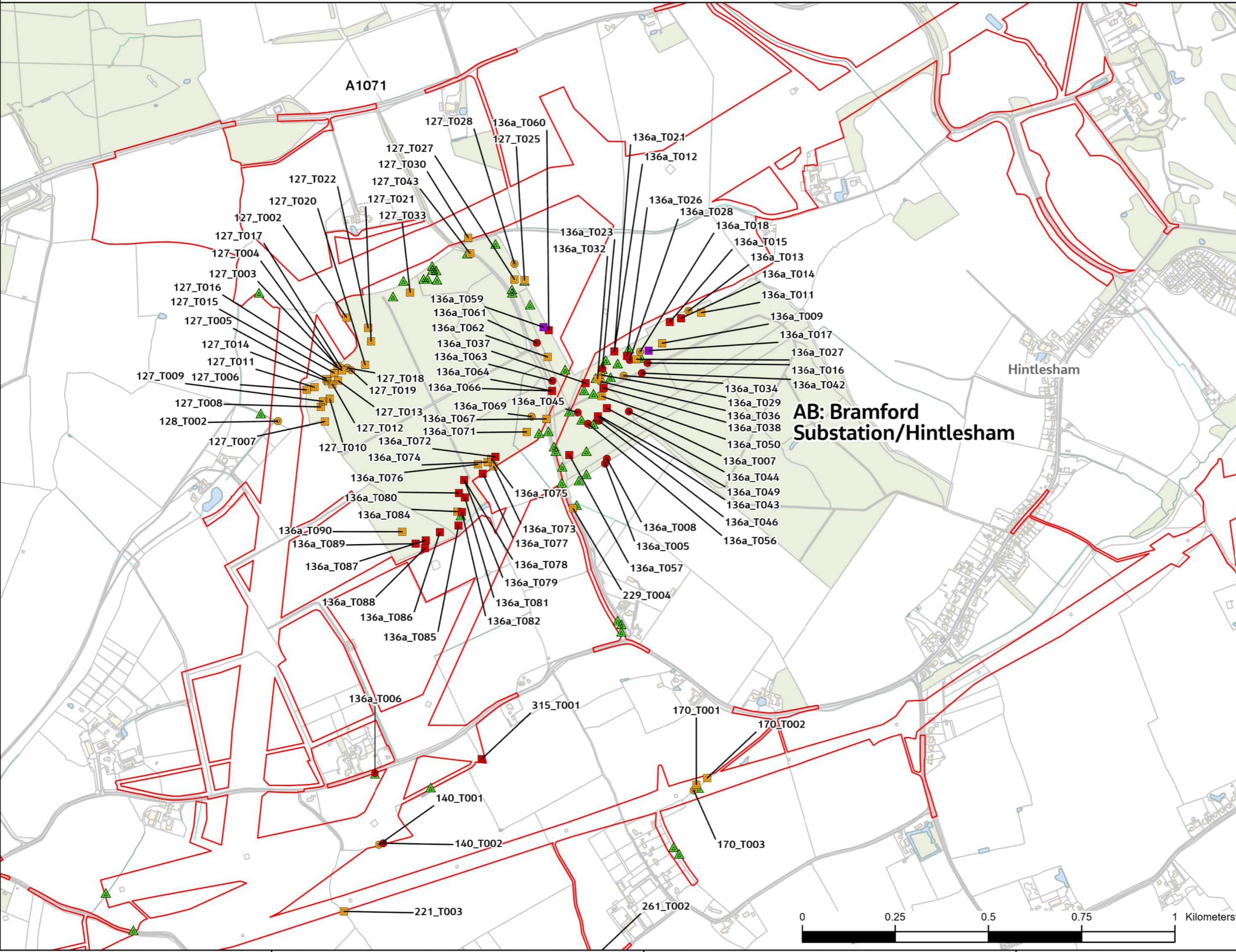


609000 610000 611000

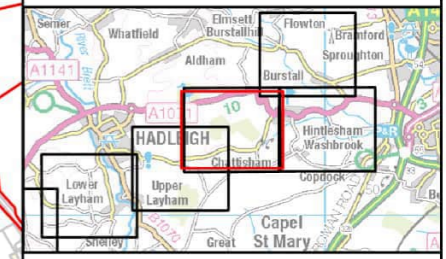


Reproduced from Ordnance Survey maps by permission of the Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office.
 © Crown copyright Ordnance Survey, Licence no. 0100052046.

244000
243000
242000



- Section boundaries
- Order Limits
- Bat roost potential – trees and survey method**
- Confirmed roost; endoscope inspection
- High; endoscope inspection
- Moderate; endoscope inspection
- Confirmed roost; dusk/dawn
- High; dusk/dawn
- Moderate; dusk/dawn
- Low; ground based assessment



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement



TITLE: Figure 7.7.4
Bat Survey - Trees

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

ORIGINATOR DRAWING NO.
AAA_BTT_BatsFR_Fig7_7_4cd_Rev01

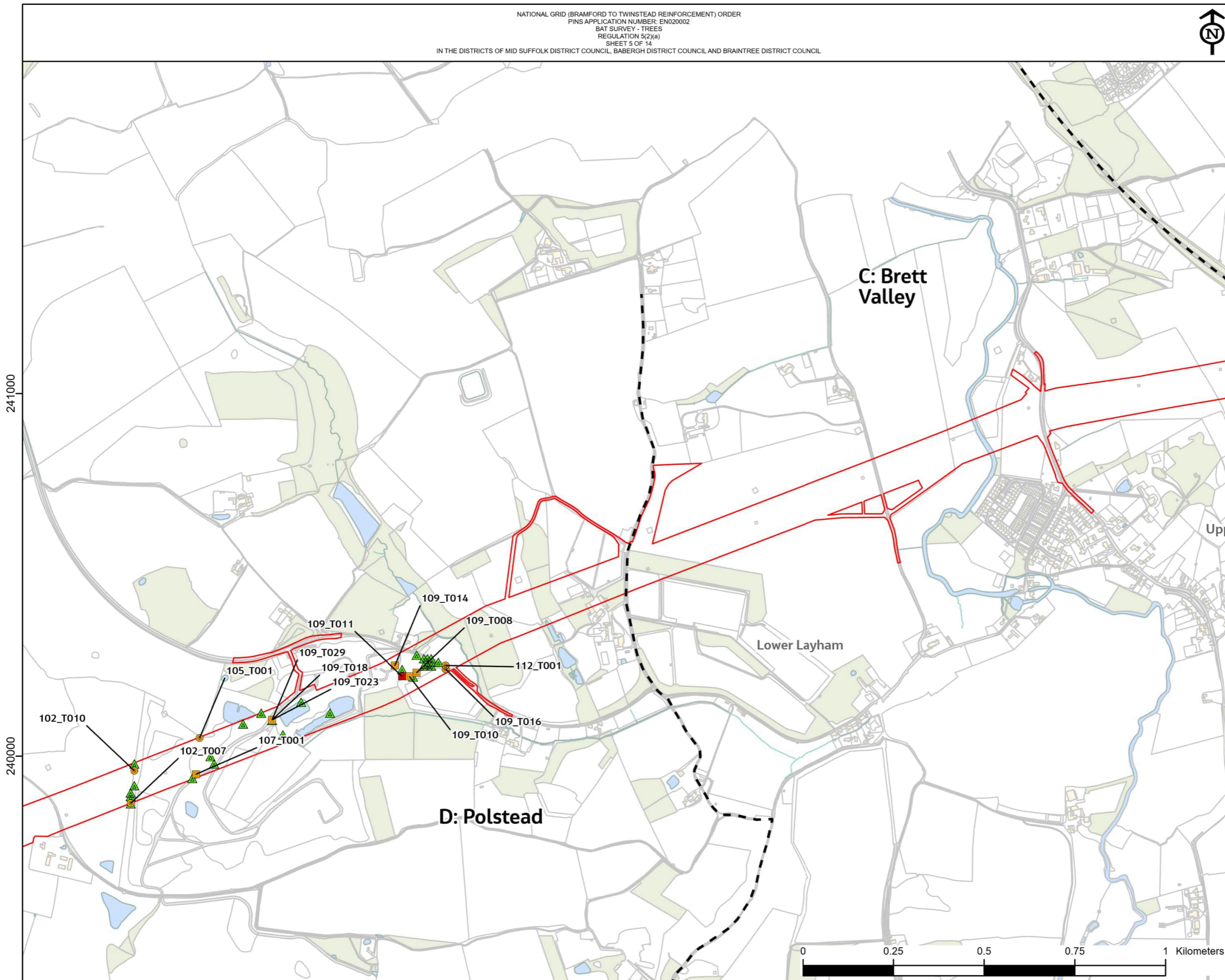
NG DRAWING No. BT-JAC-020631-500-0028	SHEET NO. 3	NO. OF SHEETS 14	ISSUE: A
--	----------------	---------------------	-------------



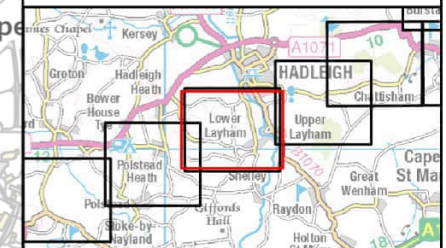
606000 607000 608000



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.



- Section boundaries
- Order Limits
- Bat roost potential – trees and survey method**
- Confirmed roost; endoscope inspection
- High; endoscope inspection
- Moderate; endoscope inspection
- Confirmed roost; dusk/dawn
- High; dusk/dawn
- Moderate; dusk/dawn
- Low; ground based assessment



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement

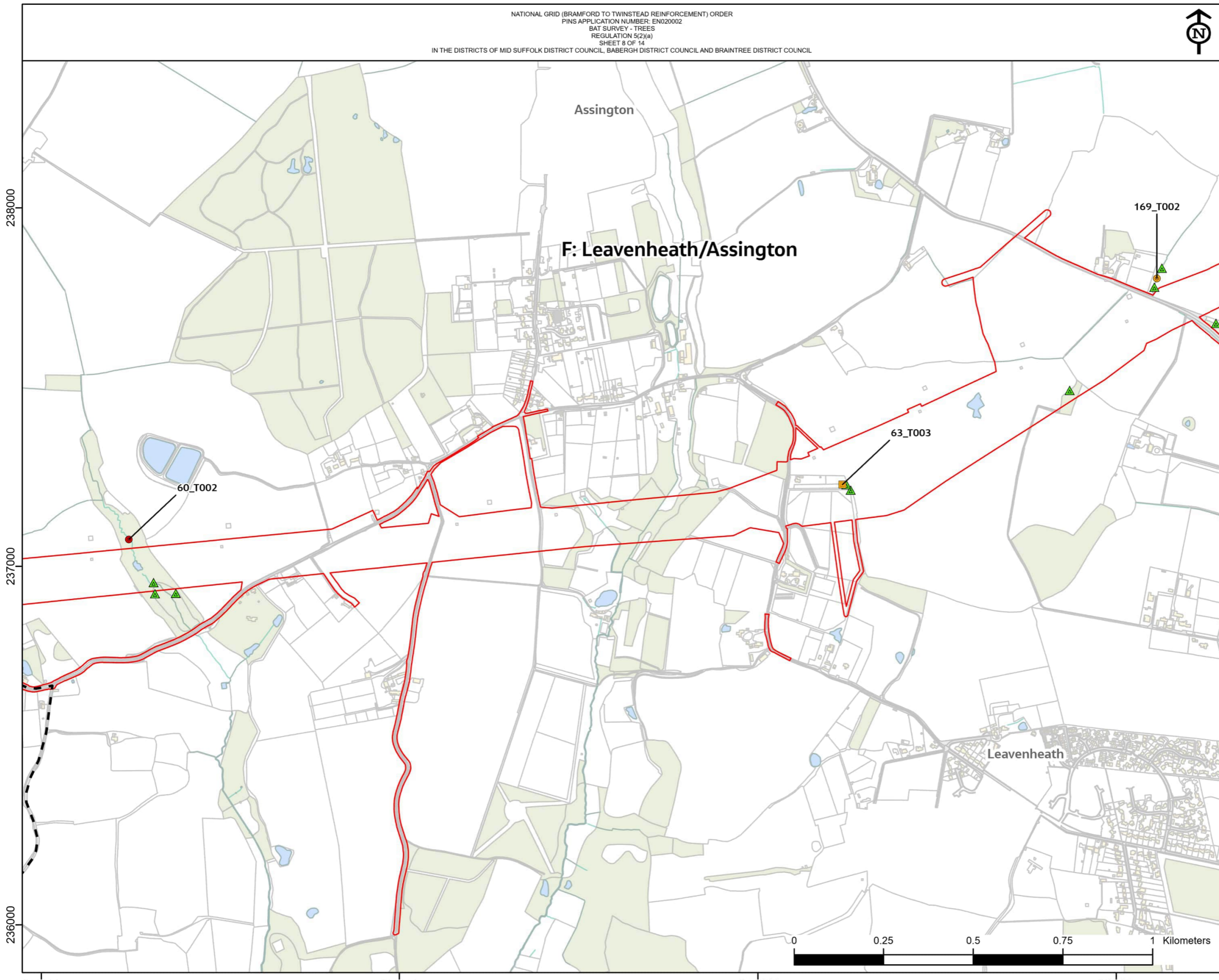
nationalgrid

TITLE: Figure 7.7.4
 Bat Survey - Trees

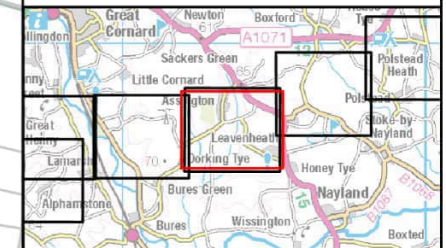
CIRCUIT / SITE : Bramford – Pelham & Bramford – Braintree – Bulls Lodge	GIS
ORIGINATOR DRAWING NO. AAA_BTT_BatsFR_Fig7_7_4ab_en_Rev01	A3
NG DRAWING No. BT-JAC-020631-500-0028	ISSUE: A
SCALE: 1:10000	SHEET NO. 5 OF 14



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.



- Section boundaries
- Order Limits
- Bat roost potential – trees and survey method**
- Confirmed roost; endoscope inspection
- High; endoscope inspection
- Moderate; endoscope inspection
- Confirmed roost; dusk/dawn
- High; dusk/dawn
- Moderate; dusk/dawn
- Low; ground based assessment



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement

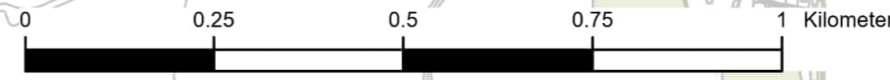


TITLE: Figure 7.7.4
 Bat Survey - Trees

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

ORIGINATOR DRAWING NO.
 AAA_BTT_BatsFR_Fig7_7_4ab_en_Rev01

NG DRAWING No. BT-JAC-020631-500-0028	SHEET NO. 8	NO. OF SHEETS 14	ISSUE: A
--	----------------	---------------------	-------------



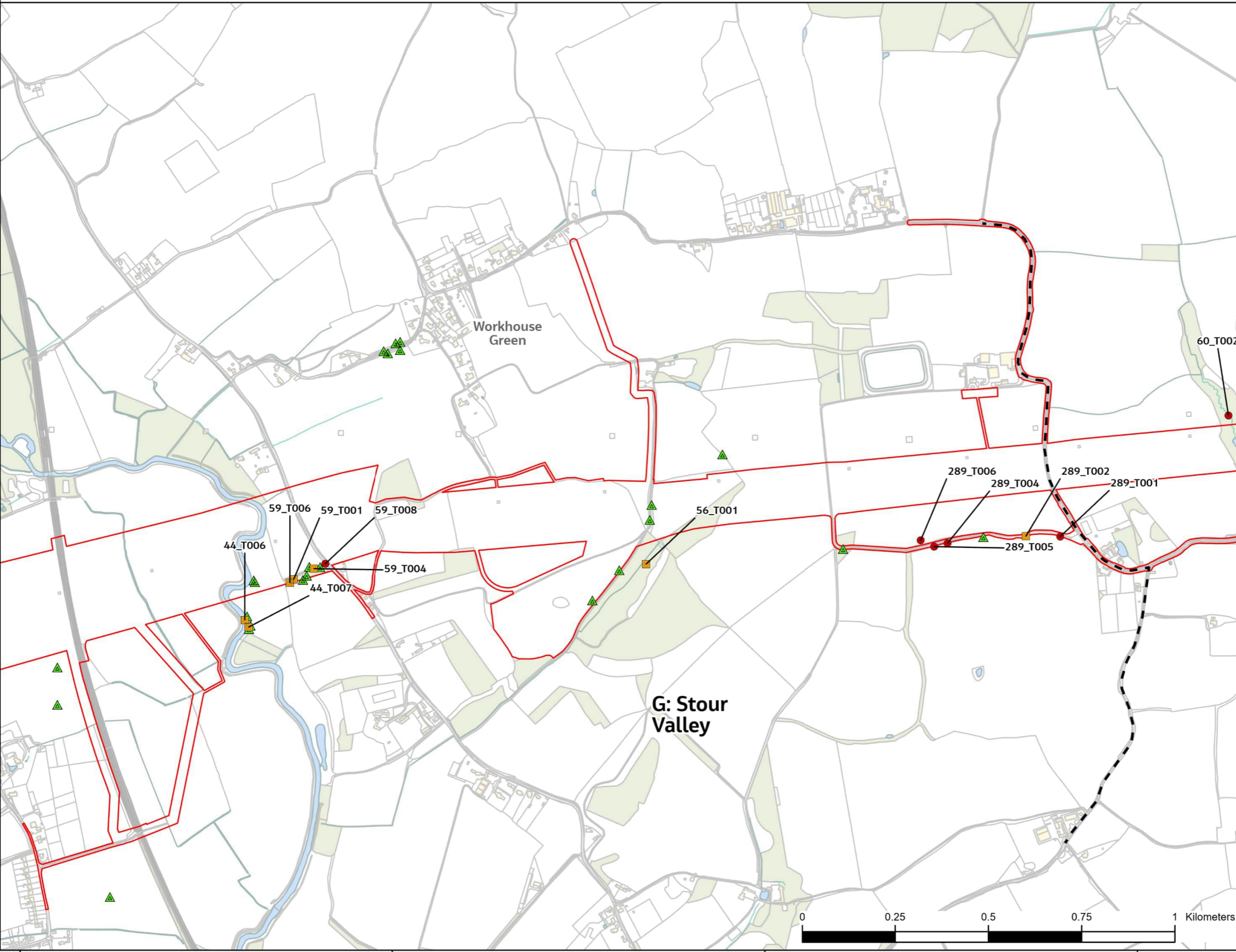


Reproduced from Ordnance Survey maps by permission of the Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office.
 © Crown copyright Ordnance Survey, Licence no. 0100052046.

238000

237000

236000



- Section boundaries
- Order Limits
- Bat roost potential – trees and survey method**
- Confirmed roost; endoscope inspection
- High; endoscope inspection
- Moderate; endoscope inspection
- Confirmed roost; dusk/dawn
- High; dusk/dawn
- Moderate; dusk/dawn
- Low; ground based assessment



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement

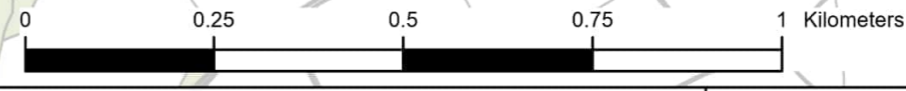


TITLE: Figure 7.7.4
Bat Survey - Trees

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

ORIGINATOR DRAWING NO. AAA_BTT_BatsFR_Fig7.7.4ab_en_Rev01 A3

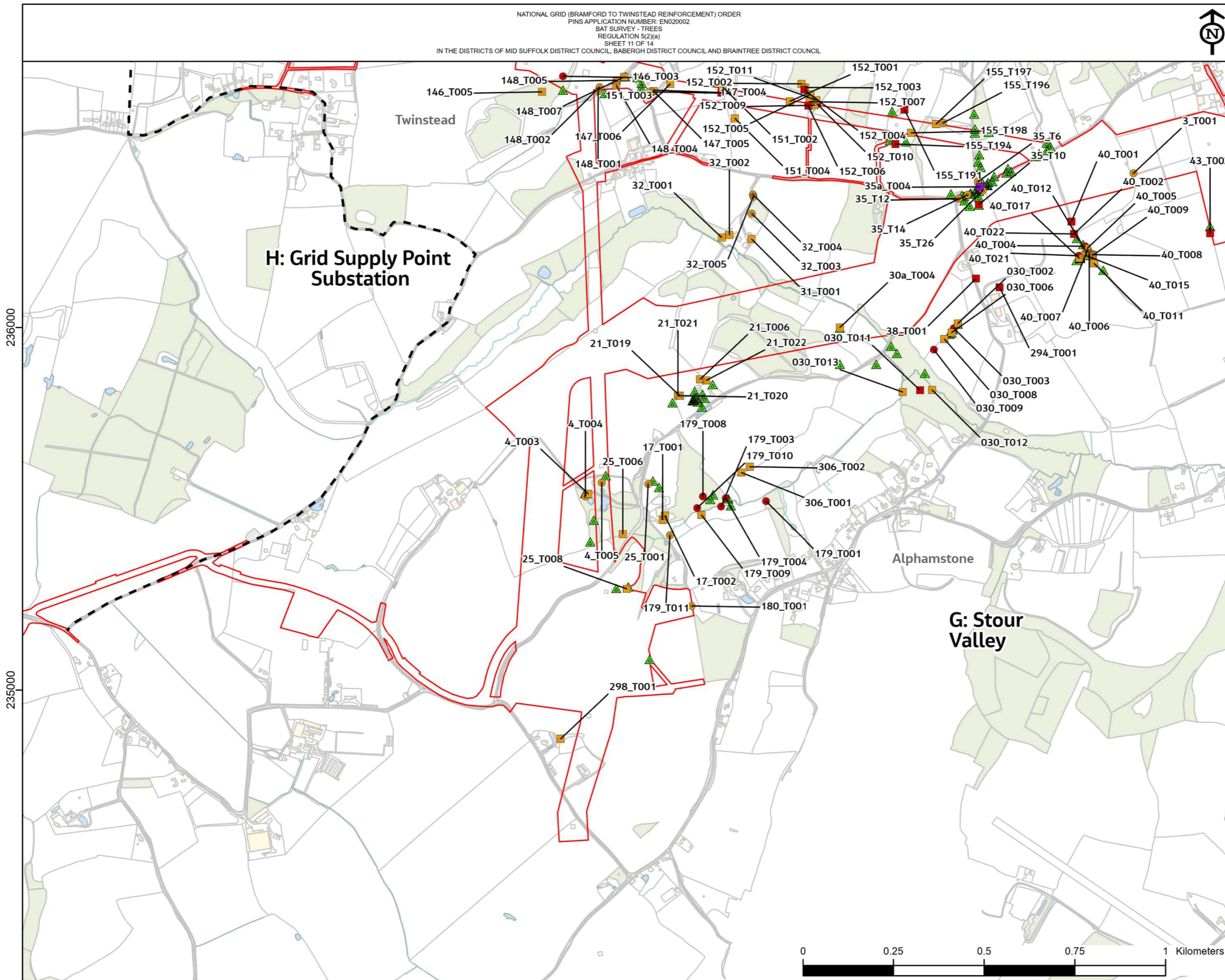
NG DRAWING No. BT-JAC-020631-500-0028	SHEET NO. 9	NO. OF SHEETS 14	ISSUE: A
SCALE: 1:10000			



589000 590000 591000 592000



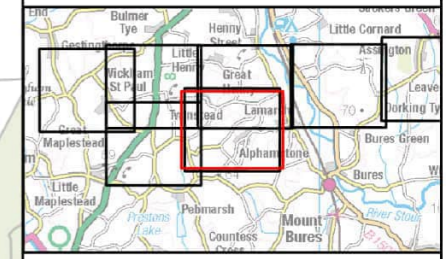
Reproduced from Ordnance Survey maps by permission of the Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office.
 © Crown copyright Ordnance Survey, Licence no. 0100052046.



- Section boundaries
- Order Limits
- Bat roost potential – trees and survey method**
- Confirmed roost; endoscope inspection
- High; endoscope inspection
- Moderate; endoscope inspection
- Confirmed roost; dusk/dawn
- High; dusk/dawn
- Moderate; dusk/dawn
- Low; ground based assessment

236000

235000



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement

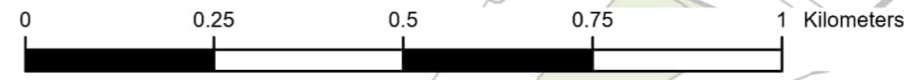


TITLE: Figure 7.7.4
 Bat Survey - Trees

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

ORIGINATOR DRAWING NO. AAA_BTT_BatsFR_Fig7_7_4ab_en_Rev01

NG DRAWING No. BT-JAC-020631-500-0028	SHEET NO. 11	NO. OF SHEETS 14	ISSUE: A
--	-----------------	---------------------	-------------



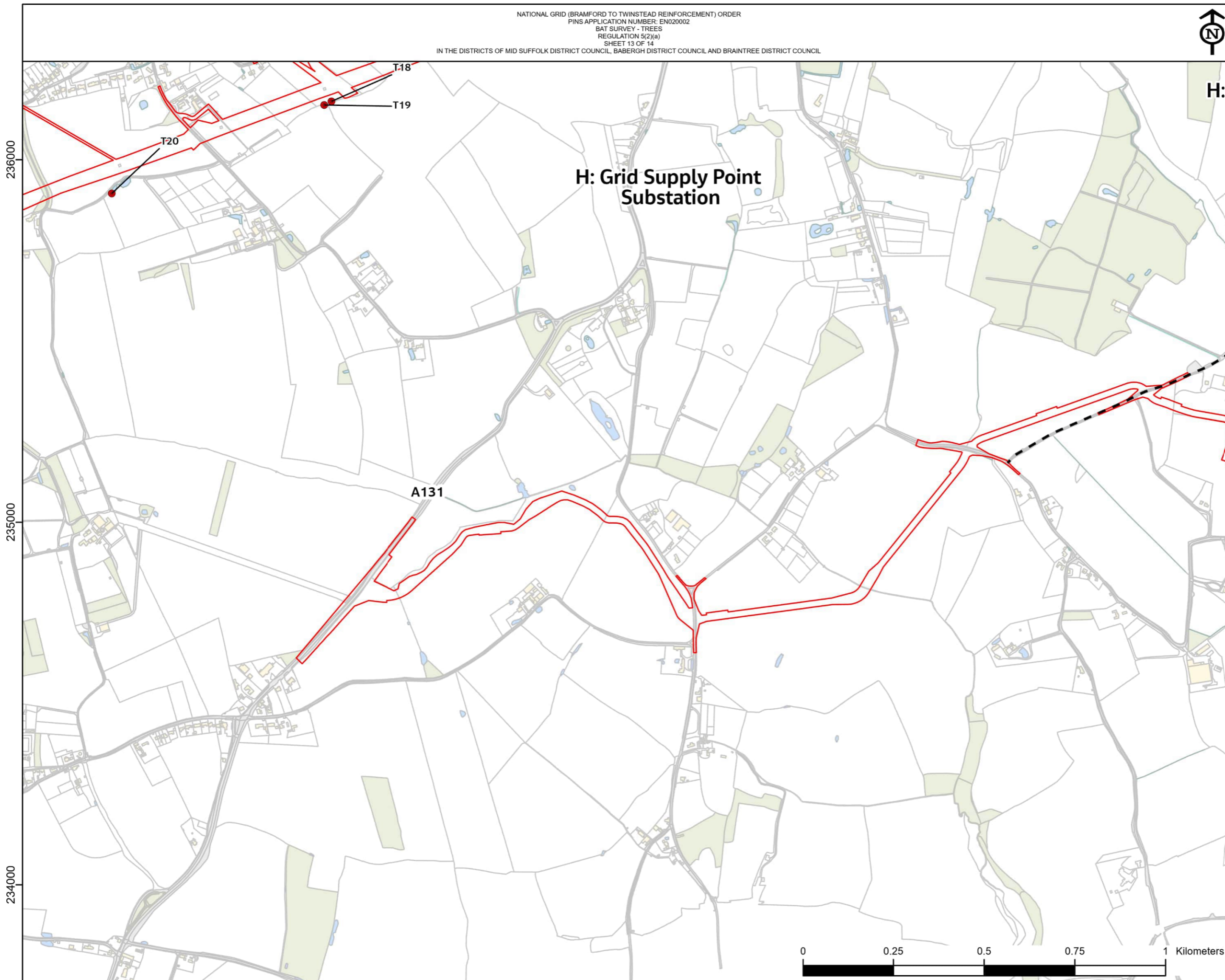
586000

587000

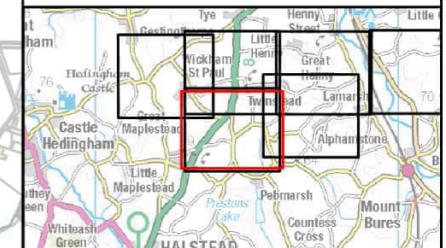
588000



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.



- Section boundaries
 H: Order Limits
- Bat roost potential – trees and survey method**
- Confirmed roost; endoscope inspection
 - High; endoscope inspection
 - Moderate; endoscope inspection
 - Confirmed roost; dusk/dawn
 - High; dusk/dawn
 - Moderate; dusk/dawn
 - ▲ Low; ground based assessment



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement

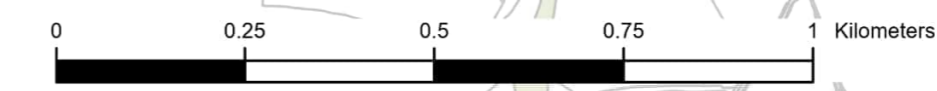


TITLE: Figure 7.7.4
 Bat Survey - Trees

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

ORIGINATOR DRAWING NO. AAA_BTT_BatsFR_Fig7_7_4ab_en_Rev01 A3

NG DRAWING No. BT-JAC-020631-500-0028
 SCALE: 1:10000
 SHEET NO. 13
 NO. OF SHEETS 14
 ISSUE: A



236000

235000

234000

583000

584000

585000

586000

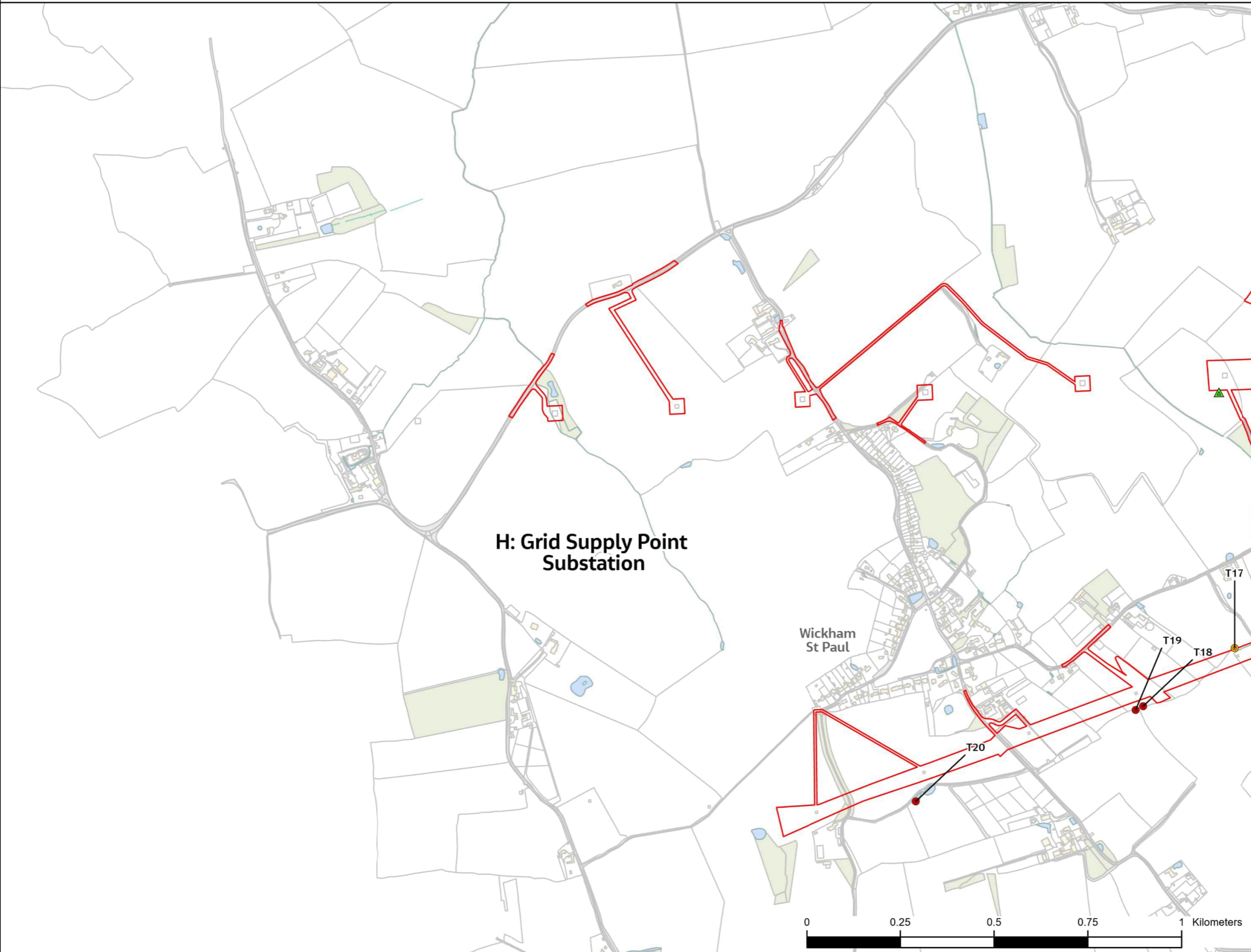


Reproduced from Ordnance Survey maps by permission of the Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office.
 © Crown copyright Ordnance Survey, Licence no. 0100052046.

238000

237000

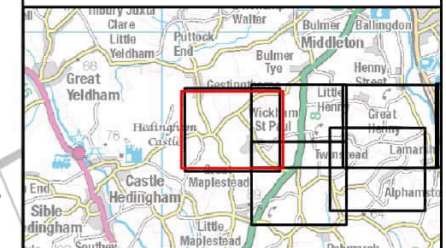
236000



- Section boundaries
- Order Limits
- Bat roost potential – trees and survey method**
- Confirmed roost; endoscope inspection
- High; endoscope inspection
- Moderate; endoscope inspection
- Confirmed roost; dusk/dawn
- High; dusk/dawn
- Moderate; dusk/dawn
- Low; ground based assessment

H: Grid Supply Point Substation

Wickham St Paul



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement



TITLE: Figure 7.7.4
Bat Survey - Trees

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

ORIGINATOR DRAWING NO. AAA_BTT_BatsFR_Fig7_7_4ab_en_Rev01

NG DRAWING No. BT-JAC-020631-500-0028	SHEET NO. 14	NO. OF SHEETS 14	ISSUE: A
---------------------------------------	--------------	------------------	----------

SCALE: 1:10000

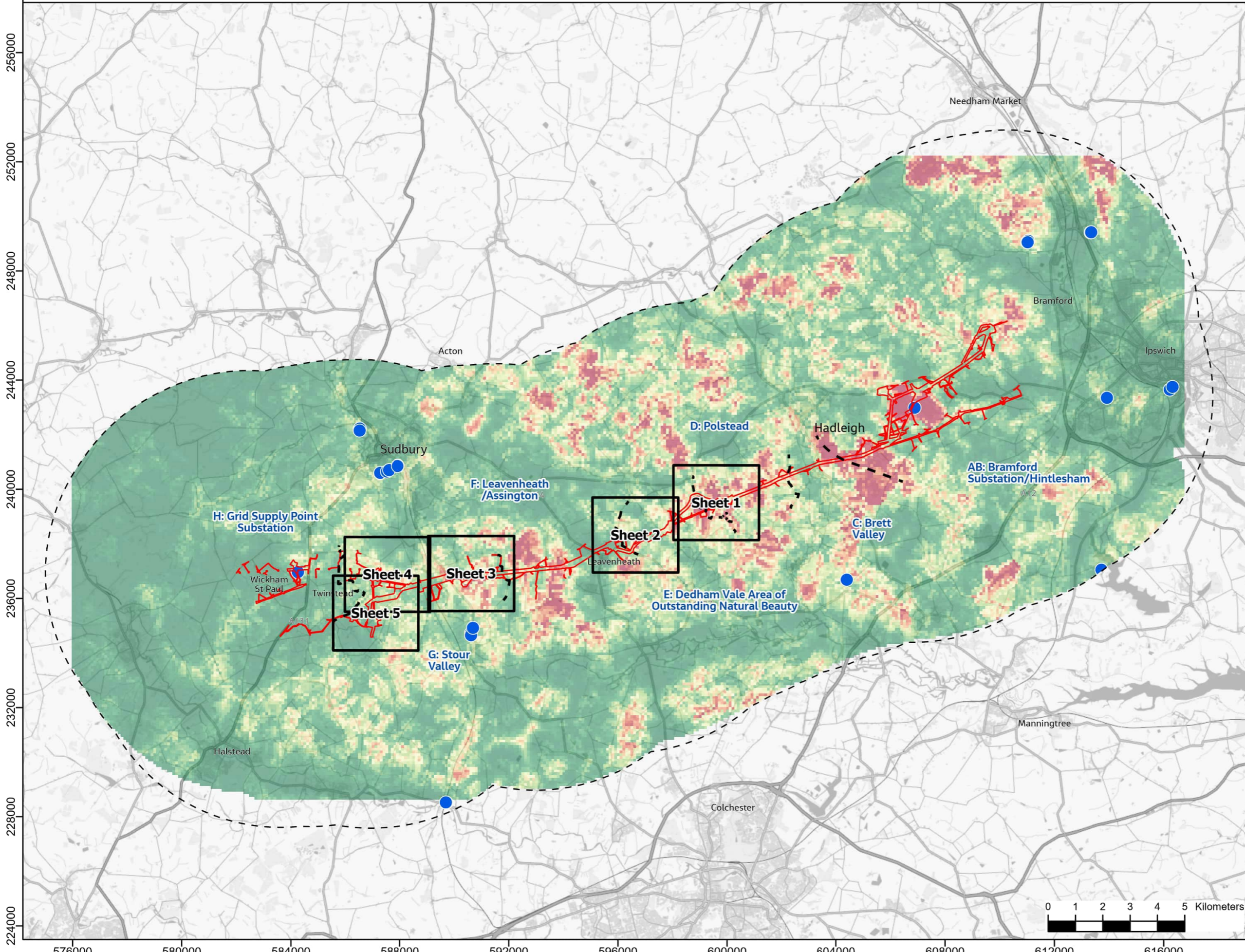
581000

582000

583000



Contains OS data © Crown Copyright and database right 2020



Legend

- Section boundaries
- Order Limits
- Study area (7km)
- Bat roost**
- Myotis Species
- Habitat suitability model**
- Myotis Species
- High: 1
- Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**



TITLE: **Figure 7.7.5
 Habitat Suitability Model For
 Myotis Bat Species - Key Plan**

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

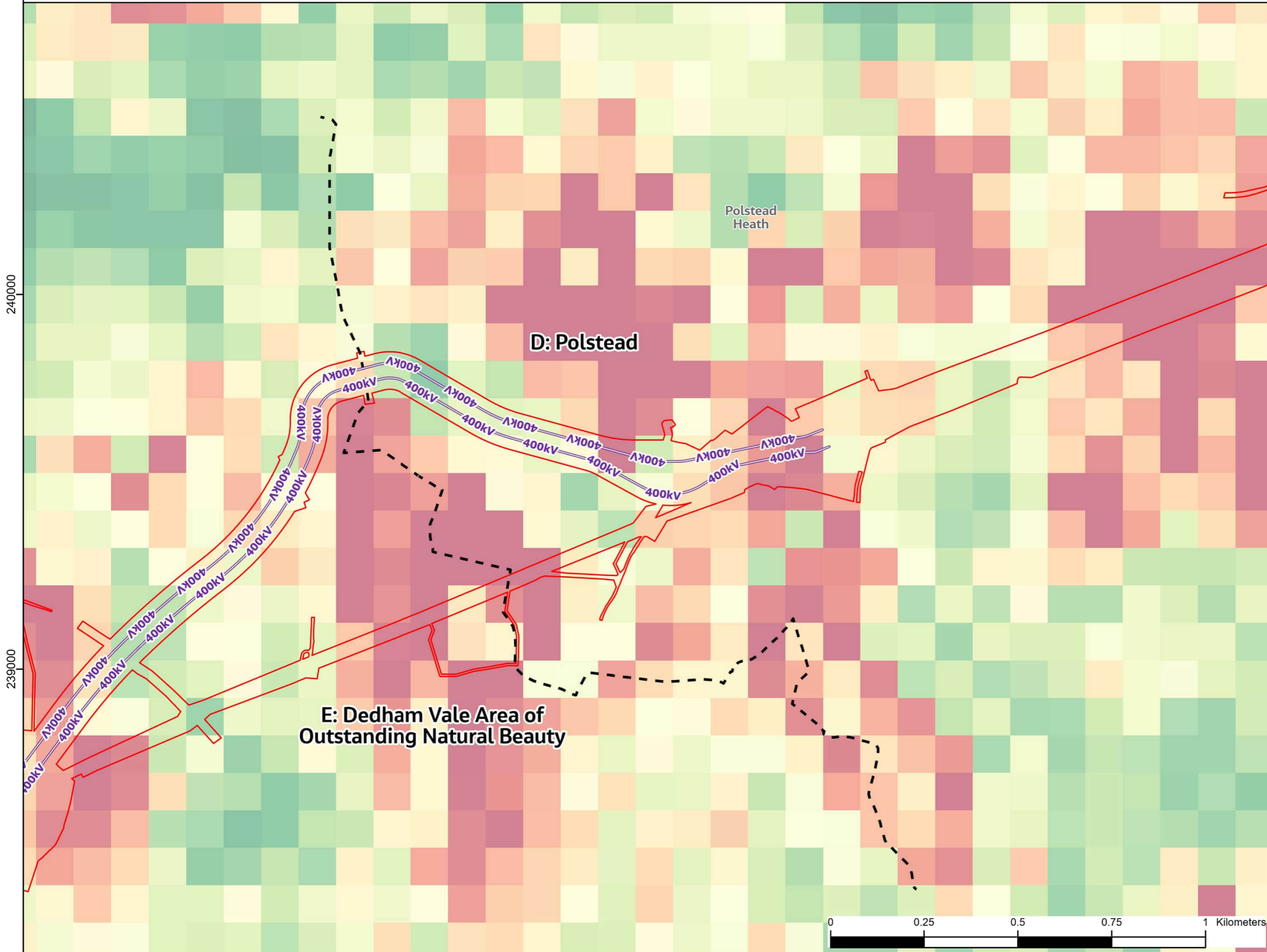
ORIGINATOR DRAWING NO. **AAA_BTT_BatsFR_Fig7.7.7_Rev1** A3

NG DRAWING No. BT-JAC-020631-500-0141	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
- Proposed 400kV underground cable

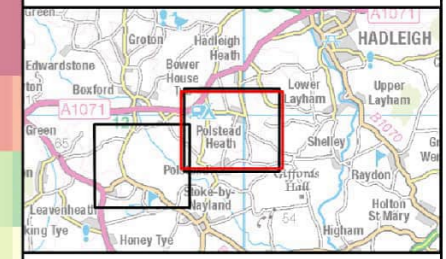
Bat roost

- Myotis Species

Habitat suitability model

Myotis Species

- High: 1
- Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement



TITLE: Figure 7.7.5
 Habitat Suitability Model For
 Myotis Bat Species

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

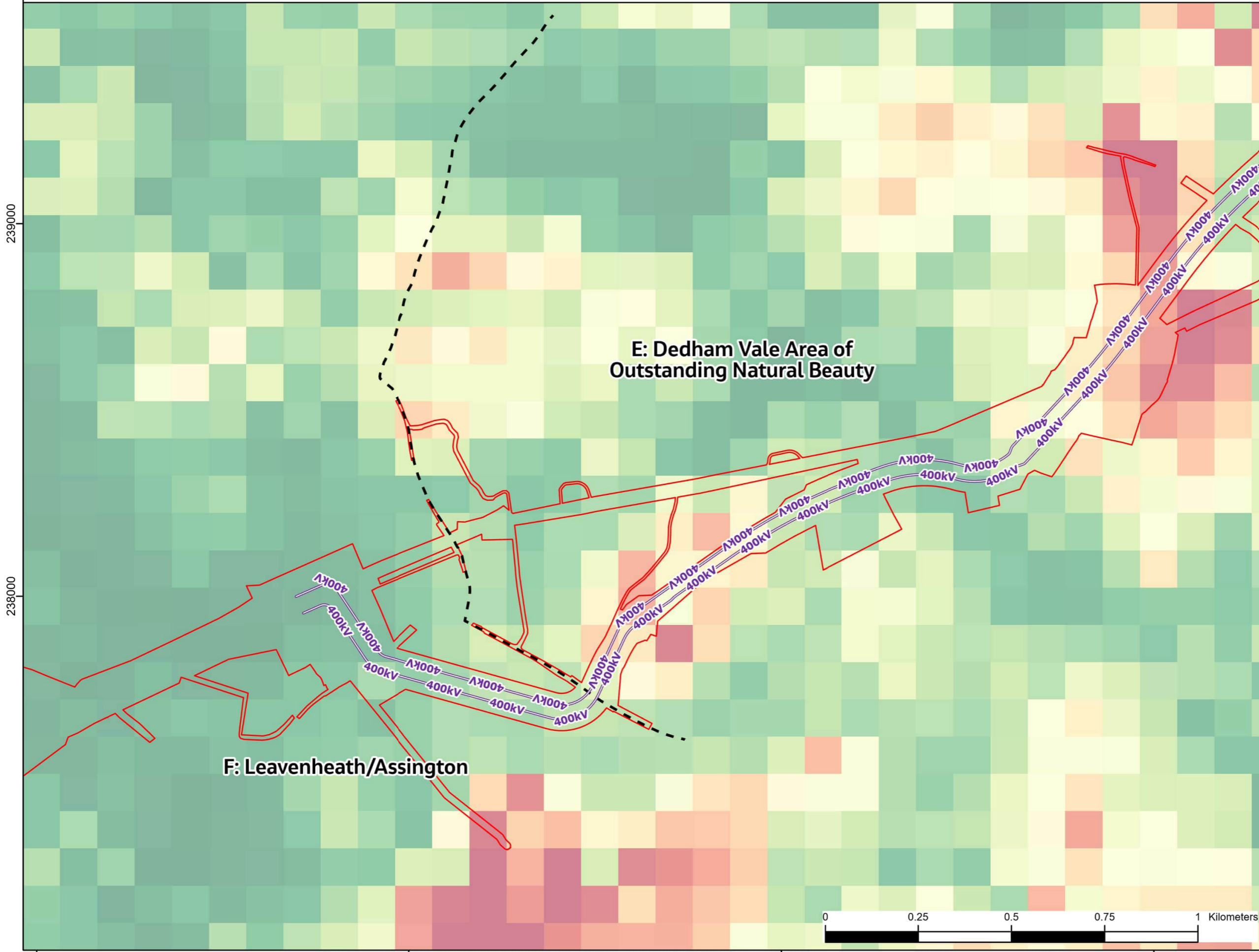
ORIGINATOR DRAWING NO. AAA_BTT_BatsFR_Fig7_7_Shod_Rev01_Myotis

NG DRAWING No. BT-JAC-020631-500-0141	SHEET NO. 1	NO. OF SHEETS 5	ISSUE: A
SCALE: 1:10000			





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
- Proposed 400kV underground cable

Bat roost

- Myotis Species

Habitat suitability model

Myotis Species

- High: 1
- Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement



TITLE: Figure 7.7.5
 Habitat Suitability Model For
 Myotis Bat Species

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

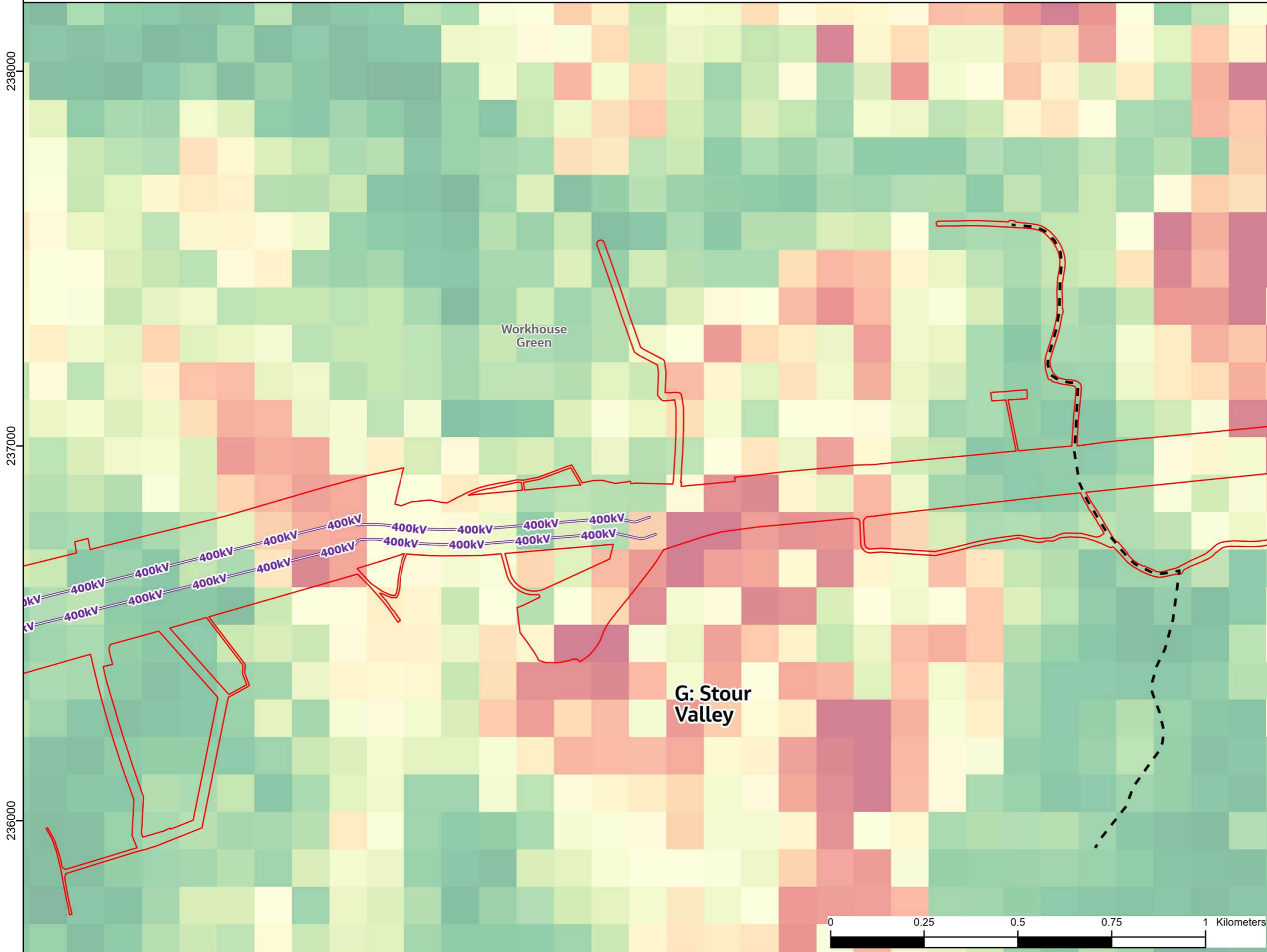
ORIGINATOR DRAWING NO. AAA_BTT_BatsFR_Fig7_7_Shod_Rev01_Myotis

NG DRAWING No. BT-JAC-020631-500-0141	SHEET NO. 2	NO. OF SHEETS 5	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
- Proposed 400kV underground cable

Bat roost

- Myotis Species

Habitat suitability model

Myotis Species

- High: 1
- Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement



TITLE: Figure 7.7.5
 Habitat Suitability Model For
 Myotis Bat Species

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

ORIGINATOR DRAWING NO. AAA_BTT_BatsFR_Fig7_7_Shod_Rev01_Myotis

NG DRAWING No. BT-JAC-020631-500-0141	SHEET NO. 3	NO. OF SHEETS 5	ISSUE: A
--	----------------	--------------------	-------------



589000 590000 591000 592000



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.

238000

237000

236000

G: Stour Valley

Twinstead

H: Grid Supply Point Substation

Legend

- Section boundaries
- Order Limits
- Proposed 400kV underground cable

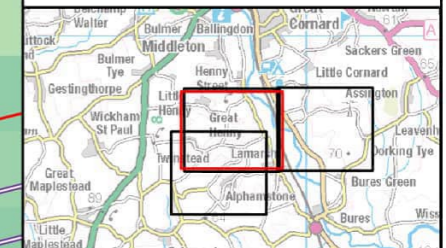
Bat roost

- Myotis Species

Habitat suitability model

Myotis Species

- High: 1
- Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement



TITLE: Figure 7.7.5
 Habitat Suitability Model For
 Myotis Bat Species

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

ORIGINATOR DRAWING NO. A3

NG DRAWING No. BT-JAC-020631-500-0141	SHEET NO. 4	NO. OF SHEETS 5	ISSUE: A
--	----------------	--------------------	-------------

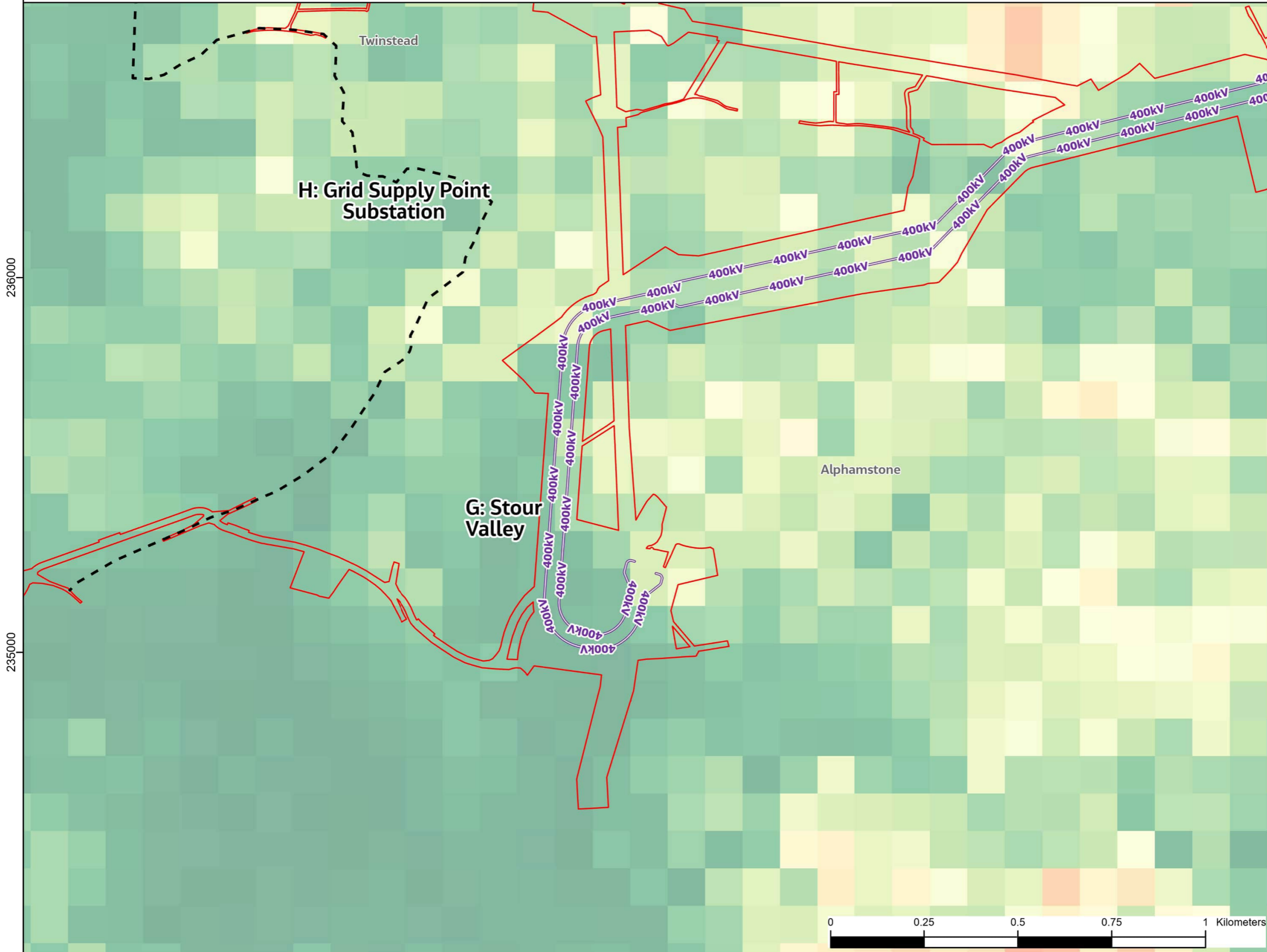
SCALE: 1:10000



586000 587000 588000 589000



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
- Proposed 400kV underground cable

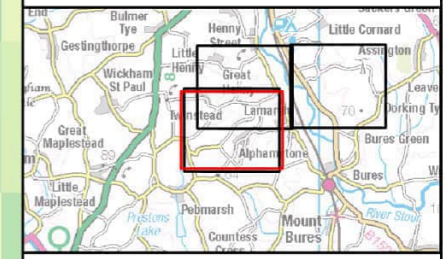
Bat roost

- Myotis Species

Habitat suitability model

Myotis Species

- High: 1
- Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**



TITLE: **Figure 7.7.5
 Habitat Suitability Model For
 Myotis Bat Species**

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

ORIGINATOR DRAWING NO. **A3**

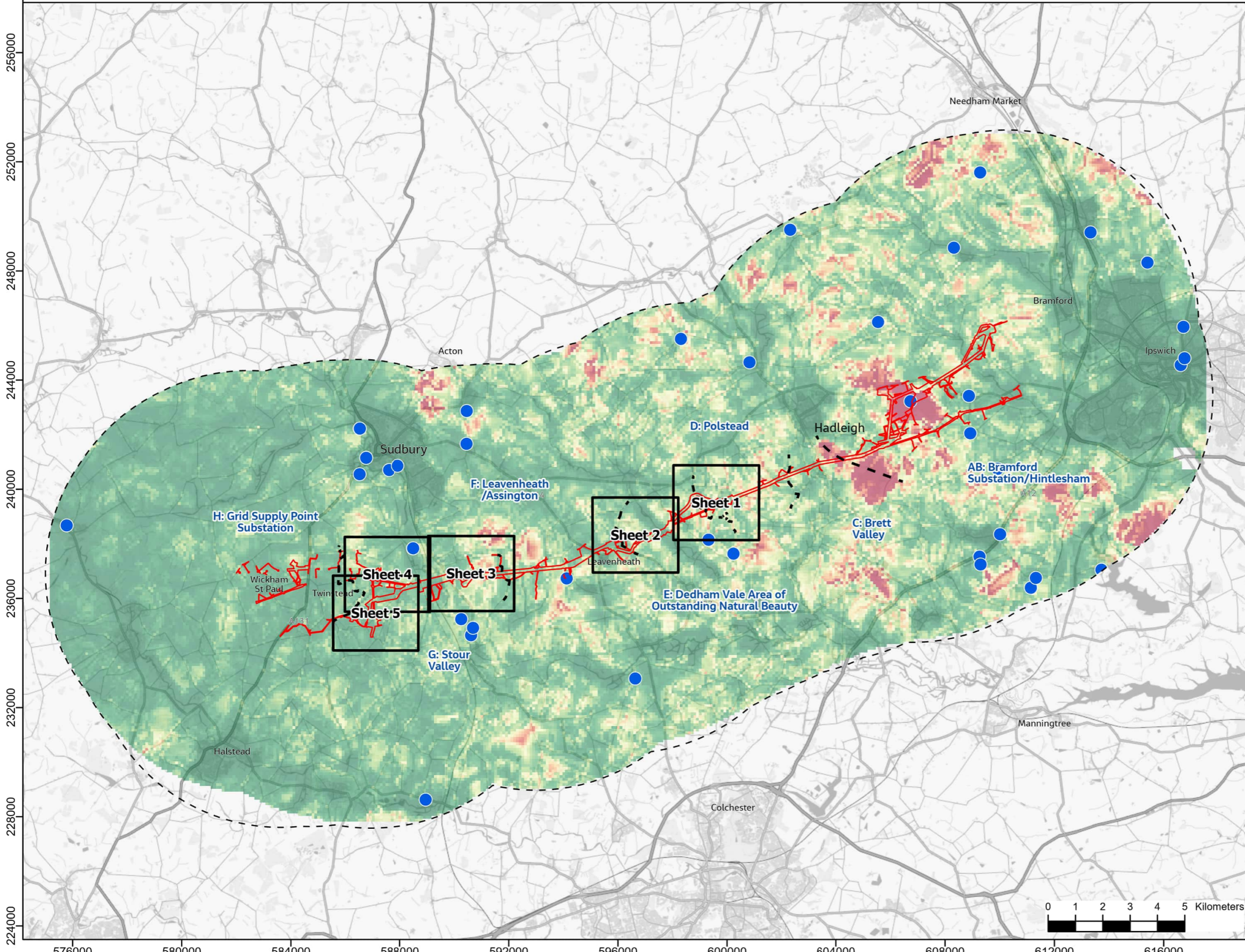
NG DRAWING No. BT-JAC-020631-500-0141	SHEET NO. 5	NO. OF SHEETS 5	ISSUE: A
--	-----------------------	---------------------------	--------------------



586000 587000 588000



Contains OS data © Crown Copyright and database right 2020



- Legend**
- Section boundaries
 - Order Limits
 - Study area (7km)
 - Bat roost**
 - Brown Long-eared
 - Habitat suitability model**
 - Brown Long-eared
 - High: 1
 - Low: 0



NG Investment No. ETX/01142

ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
A	04/2023	Rev A for DCO Application	GW	LG	CW

PROJECT: **Bramford to Twinstead Reinforcement**

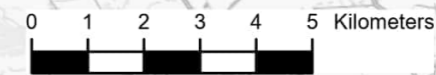
nationalgrid

TITLE: **Figure 7.7.6
Habitat Suitability Model For
Brown Long-eared Bat Species - Key Plan**

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

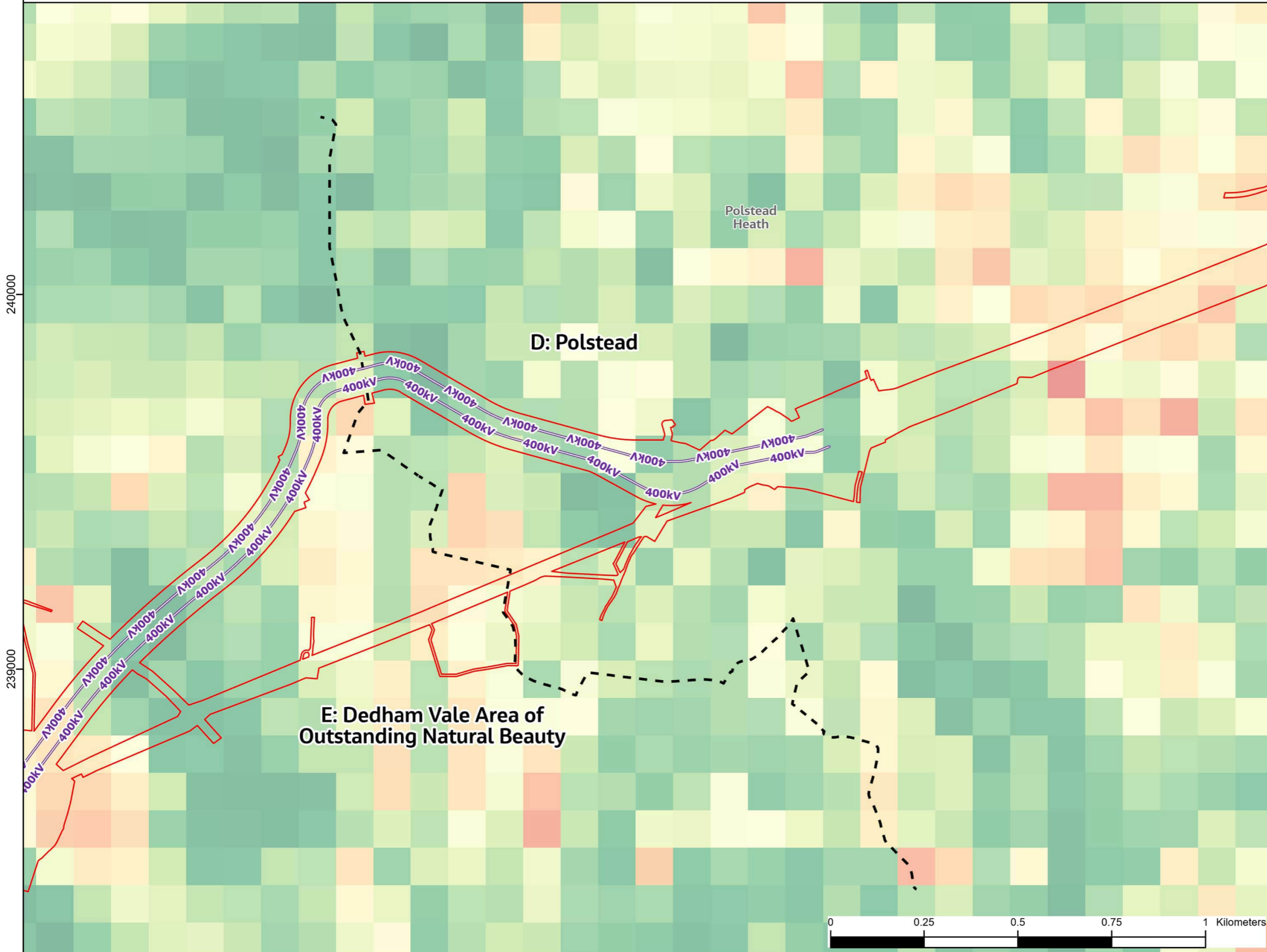
ORIGINATOR DRAWING NO. **AAA_BTT_BatsFR_Fig7.7.12_Rev1** **A3**

NG DRAWING No. BT-JAC-020631-500-0139	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
- Proposed 400kV underground cable

Bat roost

- Brown Long-eared

Habitat suitability model

Brown Long-eared

- High: 1
- Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement

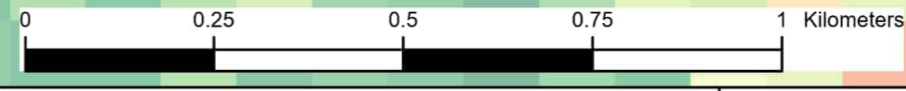


TITLE: Figure 7.7.6
 Habitat Suitability Model For
 Brown Long-eared Bat Species

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

ORIGINATOR DRAWING NO.
 AAA_BTT_BatsFR_Fig7_7_bcd_Rev01_BrownLong-eared

NG DRAWING No. BT-JAC-020631-500-0139	SHEET NO. 1	NO. OF SHEETS 5	ISSUE: A
--	----------------	--------------------	-------------

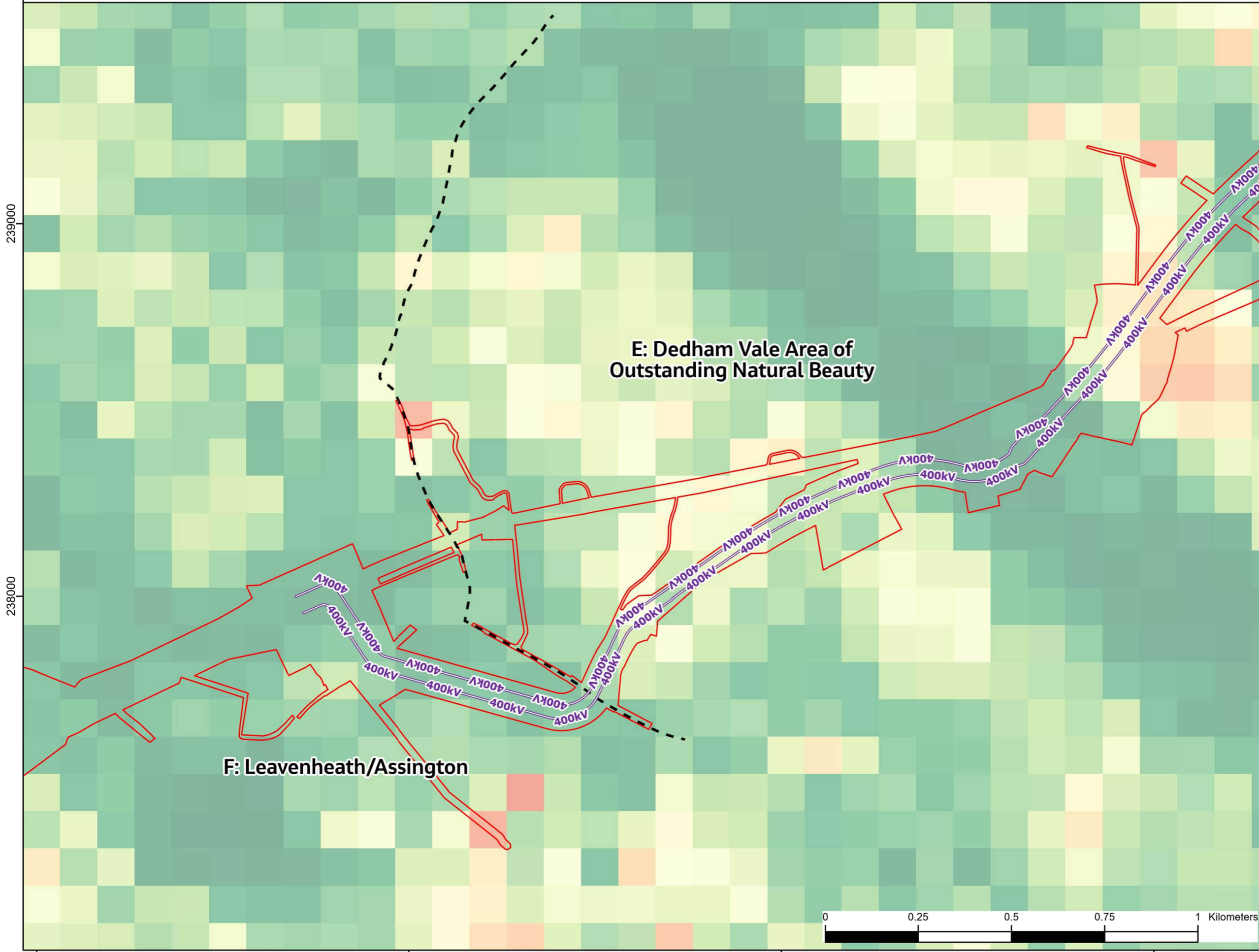


240000
239000

598000 599000 600000 601000



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
- Proposed 400kV underground cable

Bat roost

- Brown Long-eared

Habitat suitability model

Brown Long-eared

- High: 1
- Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement



TITLE: Figure 7.7.6
 Habitat Suitability Model For
 Brown Long-eared Bat Species

CIRCUIT / SITE: Bramford – Pelham & Bramford – Braintree – Bulls Lodge		GIS
ORIGINATOR DRAWING NO. AAA_BTT_BatsFR_Fig7_7_bcd_Rev01_BrownLong-eared		A3
NG DRAWING No. BT-JAC-020631-500-0139	SHEET NO. 2	NO. OF SHEETS 5
SCALE: 1:10000	ISSUE: A	



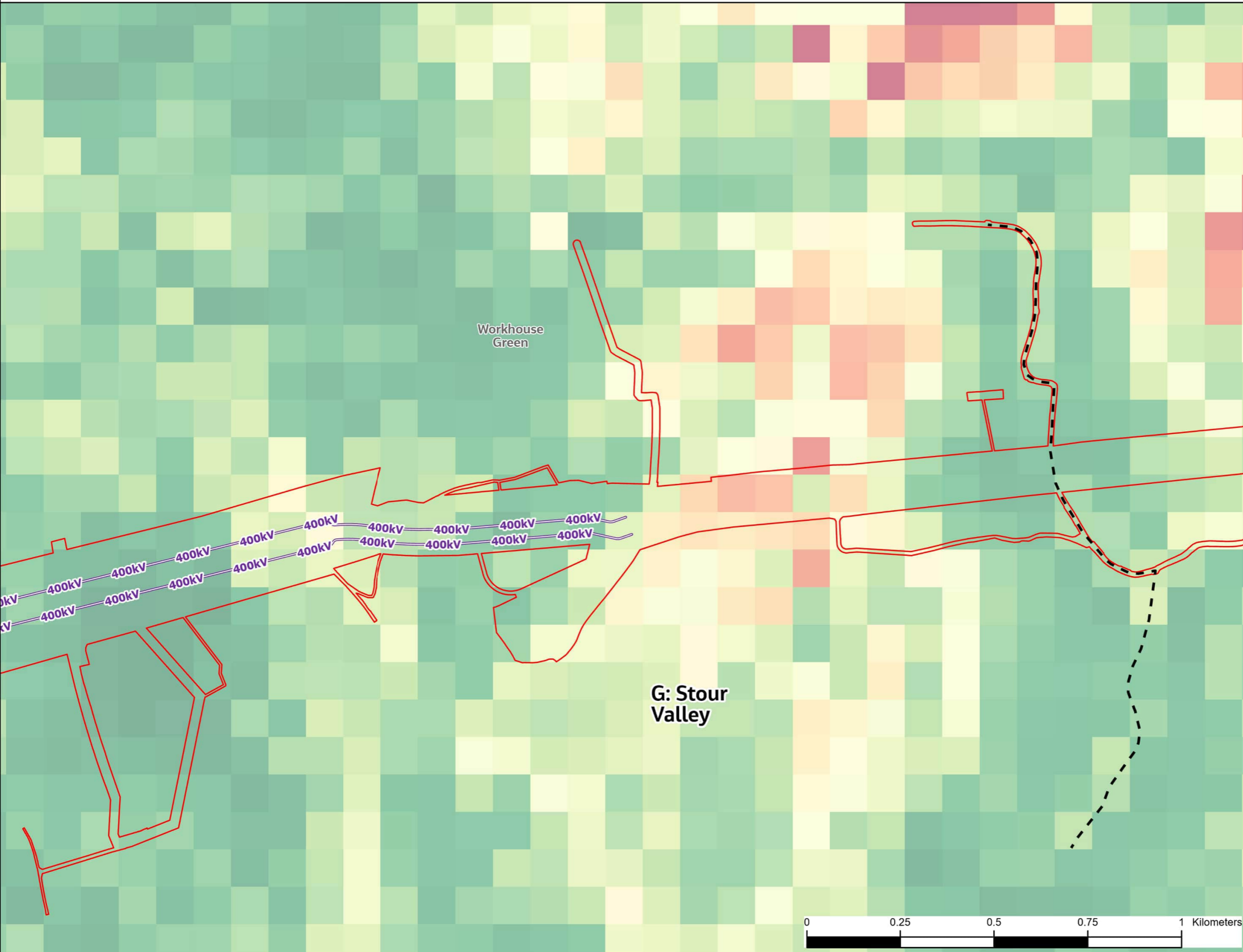


Reproduced from ordnance survey maps by permission of the
 ordnance survey on behalf of the controller of her majesty's
 stationery office.
 © Crown copyright ordnance survey, Licence no. 0100052046.

238000

237000

236000



Legend

- - - Section boundaries
- Order Limits
- Proposed 400kV underground cable

Bat roost

- Brown Long-eared

Habitat suitability model

Brown Long-eared

- High: 1
- Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**



TITLE: **Figure 7.7.6
 Habitat Suitability Model For
 Brown Long-eared Bat Species**

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

ORIGINATOR DRAWING NO. **AAA_BTT_BatsFR_Fig7_7_bcod_Rev01_BrownLong-eared** A3

NG DRAWING No. BT-JAC-020631-500-0139	SHEET NO. 3	NO. OF SHEETS 5	ISSUE: A
--	-----------------------	---------------------------	--------------------



589000 590000 591000 592000



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.

238000

237000

236000

G: Stour Valley

Twinstead

H: Grid Supply Point Substation

Legend

- Section boundaries
- Order Limits
- Proposed 400kV underground cable

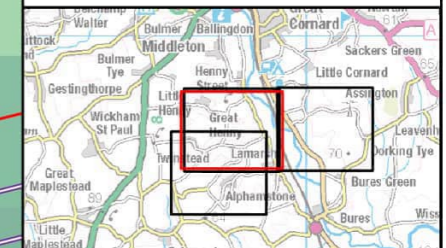
Bat roost

- Brown Long-eared

Habitat suitability model

Brown Long-eared

- High: 1
- Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement



TITLE: Figure 7.7.6
 Habitat Suitability Model For
 Brown Long-eared Bat Species

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

ORIGINATOR DRAWING NO.
 AAA_BTT_BatsFR_Fig7_7_bcd_Rev01_BrownLongeared

NG DRAWING No. BT-JAC-020631-500-0139	SHEET NO. 4	NO. OF SHEETS 5	ISSUE: A
--	----------------	--------------------	-------------

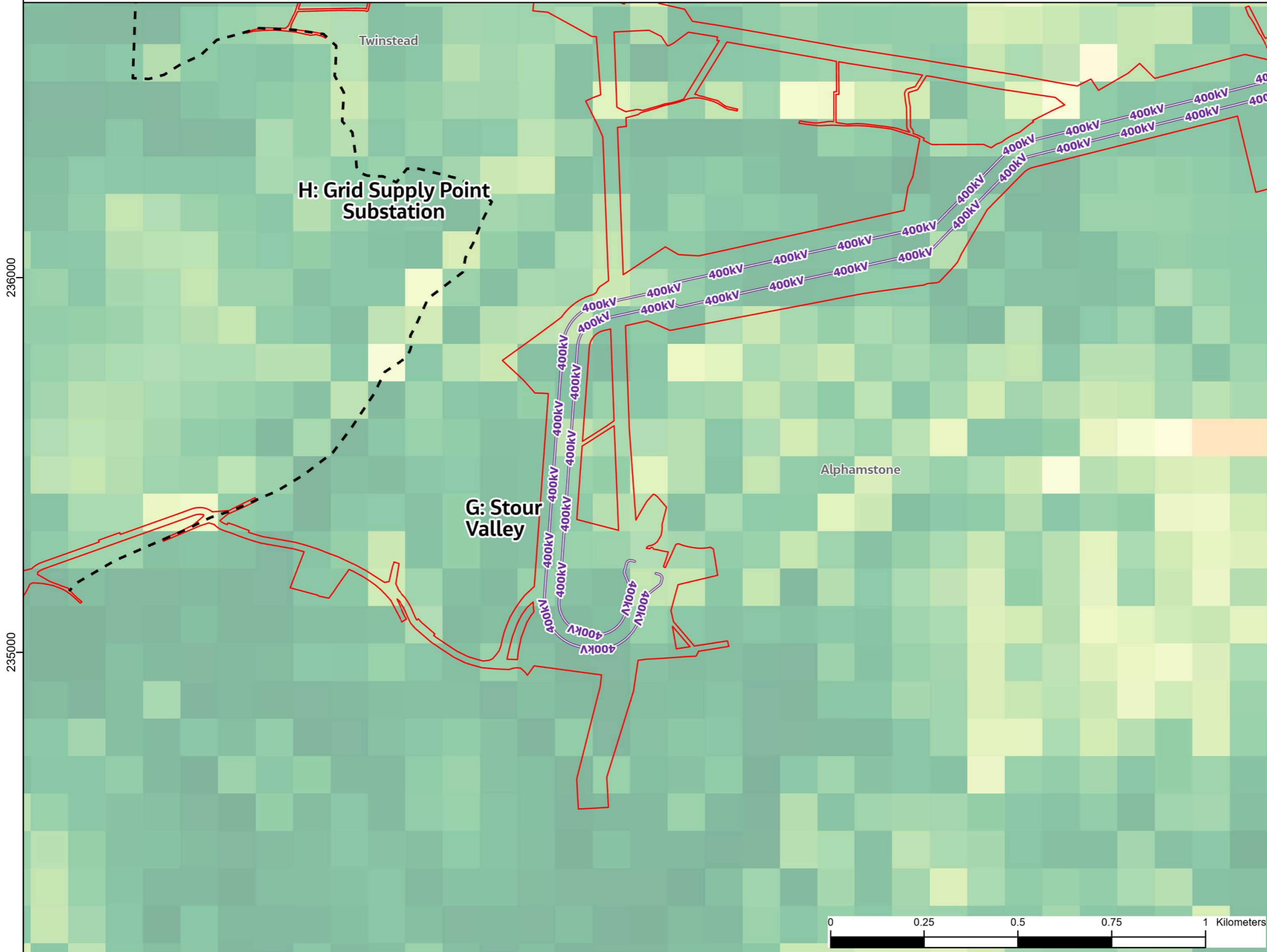
SCALE: 1:10000



586000 587000 588000 589000



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
- Proposed 400kV underground cable

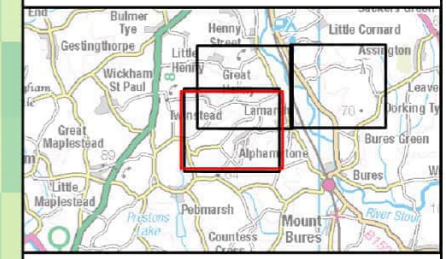
Bat roost

- Brown Long-eared

Habitat suitability model

Brown Long-eared

- High: 1
- Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**



TITLE: **Figure 7.7.6
 Habitat Suitability Model For
 Brown Long-eared Bat Species**

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

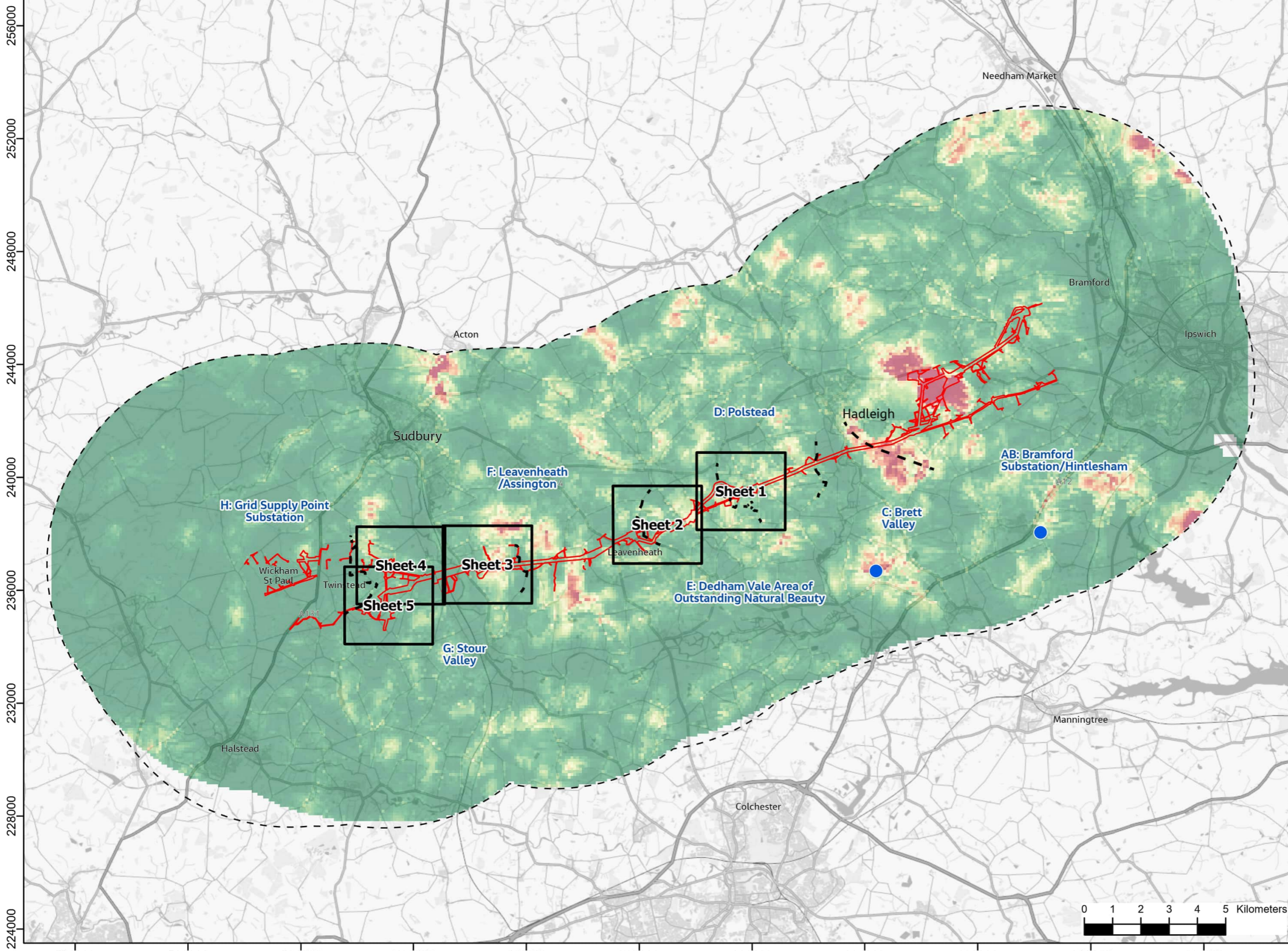
ORIGINATOR DRAWING NO. **AAA_BTT_BatsFR_Fig7_7_btod_Rev01_BrownLong-eared** A3

NG DRAWING No. BT-JAC-020631-500-0139	SHEET NO. 5	NO. OF SHEETS 5	ISSUE: A
--	-----------------------	---------------------------	--------------------





Contains OS data © Crown Copyright and database right 2020



- Legend**
- Section boundaries
 - Order Limits
 - Study area (7km)
 - Bat roost**
 - Barbastelle
 - Habitat suitability model**
 - Barbastelle
 - High: 1
 - Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**

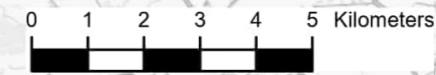


TITLE: **Figure 7.7.7
Habitat Suitability Model For
Barbastelle Bat Species - Key Plan**

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

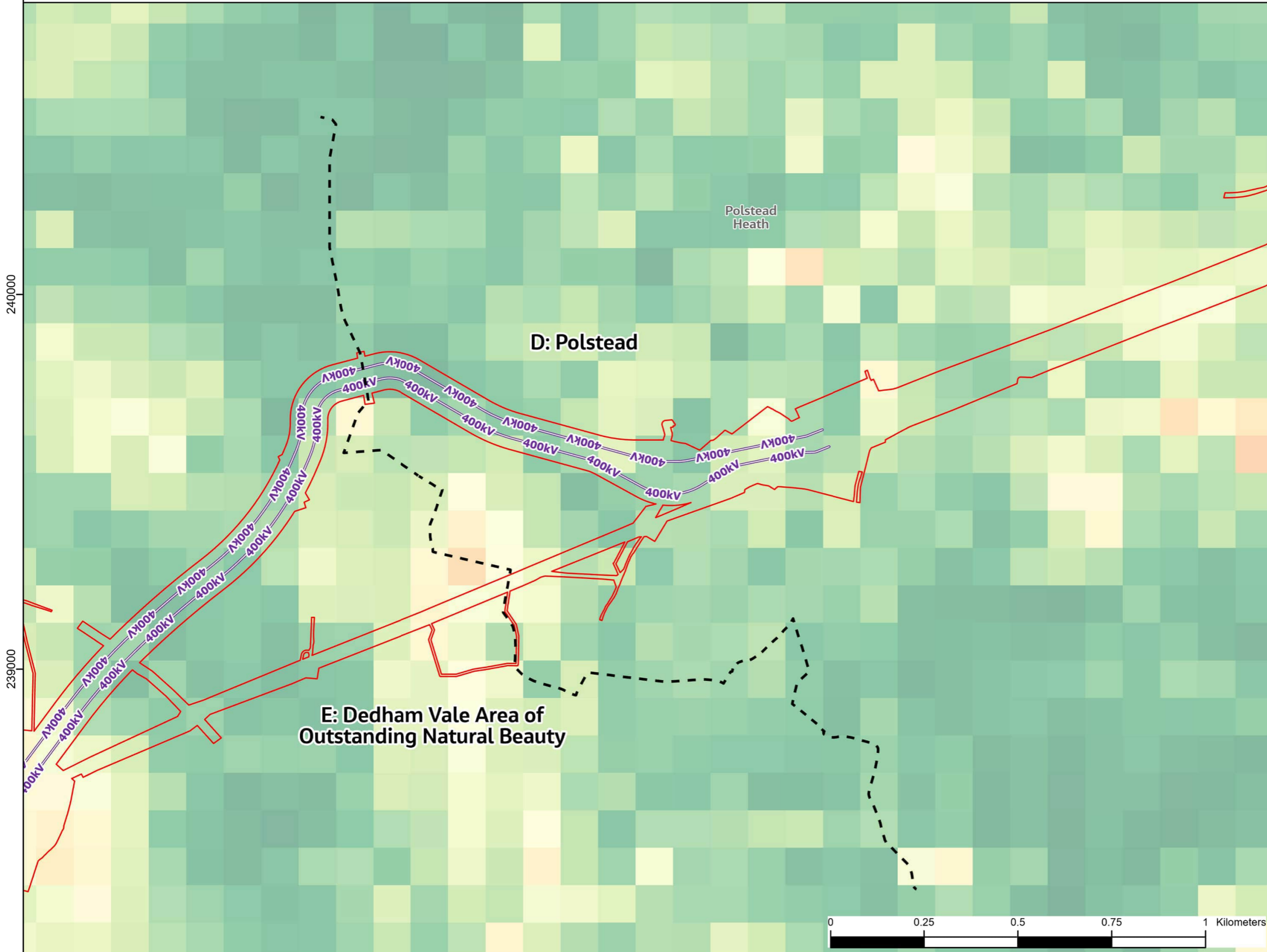
ORIGINATOR DRAWING NO. **AAA_BTT_BatsFR_Fig7.7.5_Rev1** **A3**

NG DRAWING No. BT-JAC-020631-500-0133	SHEET NO. 1	NO. OF SHEETS 1	ISSUE: A
SCALE: 1:135000			





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.



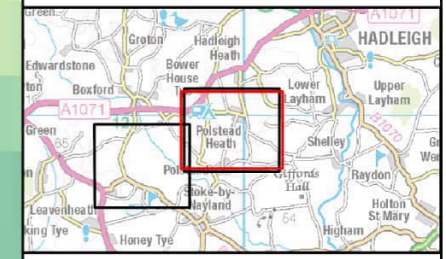
Legend

- - - Section boundaries
- Order Limits
- Proposed 400kV underground cable

Habitat suitability model

Barbastelle

High: 1
 Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement



TITLE: Figure 7.7.7
 Habitat Suitability Model For
 Barbastelle Bat Species

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

ORIGINATOR DRAWING NO.
 AAA_BTT_BatsFR_Fig7_7_bcd_Rev01_Barbastelle

NG DRAWING No. BT-JAC-020631-500-0133	SHEET NO. 1	NO. OF SHEETS 5	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.

239000

238000

595000

596000

597000

598000

E: Dedham Vale Area of Outstanding Natural Beauty

F: Leavenheath/Assington

Legend

- Section boundaries
 - Order Limits
 - Proposed 400kV underground cable
- Habitat suitability model**
- Barbastelle**
- High: 1
 - Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**



TITLE: **Figure 7.7.7
 Habitat Suitability Model For
 Barbastelle Bat Species**

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

ORIGINATOR DRAWING NO. **AAA_BTT_BatsFR_Fig7_7_7bod_Rev01_Barbastelle** A3

NG DRAWING No. BT-JAC-020631-500-0133	SHEET NO. 2	NO. OF SHEETS 5	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.

238000

237000

236000

G: Stour Valley

Twinstead

H: Grid Supply Point Substation

- Legend**
- Section boundaries
 - Order Limits
 - Proposed 400kV underground cable
- Habitat suitability model**
- Barbastelle**
- High: 1
 - Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement

nationalgrid

TITLE: Figure 7.7.7
 Habitat Suitability Model For
 Barbastelle Bat Species

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

ORIGINATOR DRAWING NO. AAA_BTT_BatsFR_Fig7_7_7bod_Rev01_Barbastelle

NG DRAWING No. BT-JAC-020631-500-0133	SHEET NO. 4	NO. OF SHEETS 5	ISSUE: A
---------------------------------------	-------------	-----------------	----------

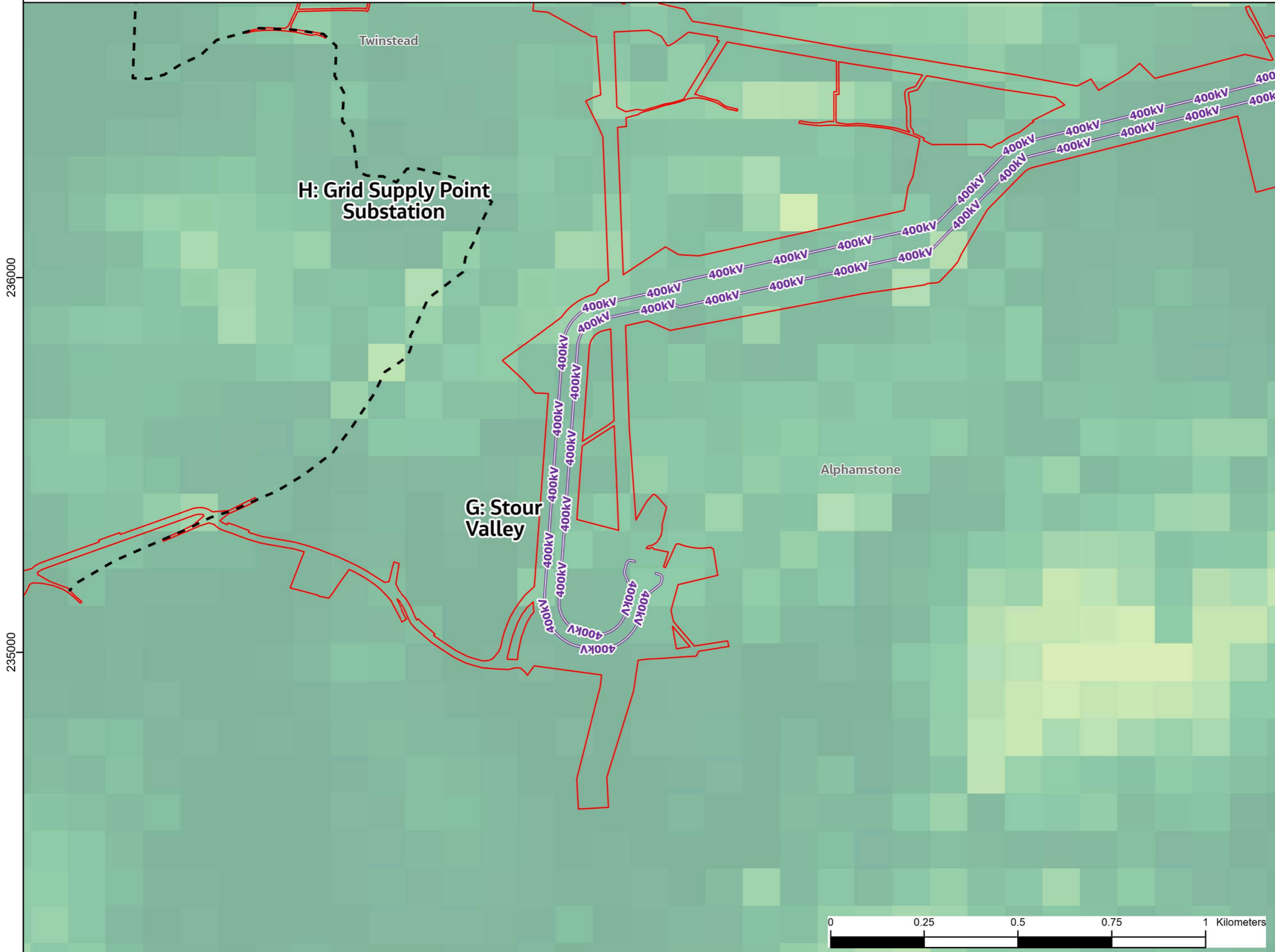
SCALE: 1:10000



586000 587000 588000 589000



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
- Proposed 400kV underground cable

Habitat suitability model

Barbastelle

High: 1
 Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**



TITLE: **Figure 7.7.7
 Habitat Suitability Model For
 Barbastelle Bat Species**

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

ORIGINATOR DRAWING NO. **AAA_BTT_BatsFR_Fig7_7_7bod_Rev01_Barbastelle** A3

NG DRAWING No. BT-JAC-020631-500-0133	SHEET NO. 5	NO. OF SHEETS 5	ISSUE: A
SCALE: 1:10000			



586000

587000

588000



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.

239000

238000

595000

596000

597000

598000

E: Dedham Vale Area of Outstanding Natural Beauty

F: Leavenheath/Assington

- Legend**
- Section boundaries
 - Order Limits
 - Study area (7km)
 - Proposed 400kV underground cable
- Habitat suitability model**
- Serotine
- High: 1
 - Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**

nationalgrid

TITLE: **Figure 7.7.8
 Habitat Suitability Model For
 Serotine Bat Species**

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

ORIGINATOR DRAWING NO. **AAA_BTT_BatsFR_Fig7_7_8bcd_Rev01_Serotine** A3

NG DRAWING No. BT-JAC-020631-500-0135	SHEET NO. 2	NO. OF SHEETS 5	ISSUE: A
--	-----------------------	---------------------------	--------------------



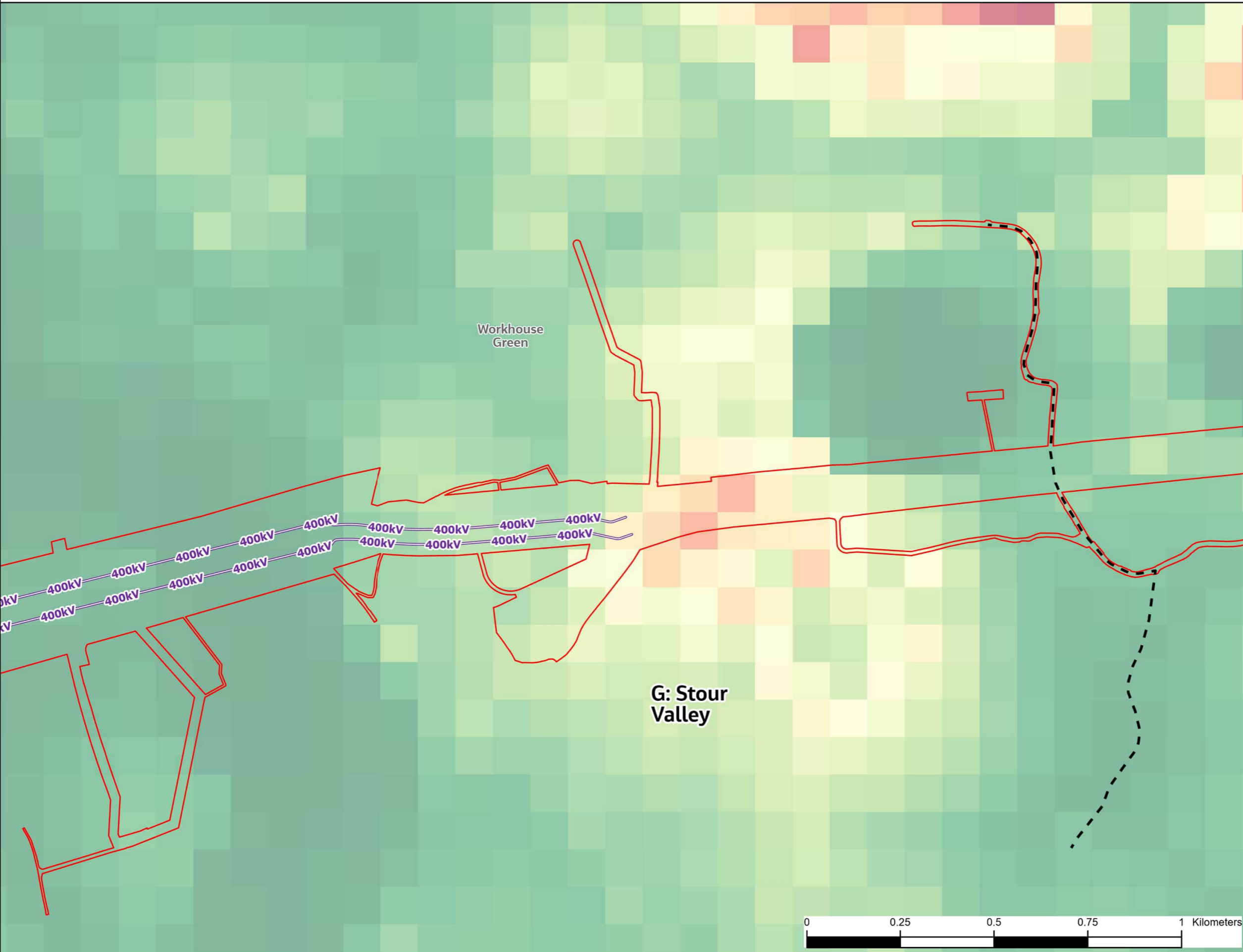


Reproduced from Ordnance Survey maps by permission of the Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office.
 © Crown copyright Ordnance Survey, Licence no. 0100052046.

238000

237000

236000



Legend

- Section boundaries
- Order Limits
- Study area (7km)
- Proposed 400kV underground cable

Habitat suitability model

Serotine

- High: 1
- Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement



TITLE: Figure 7.7.8
 Habitat Suitability Model For Serotine Bat Species

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

ORIGINATOR DRAWING NO. AAA_BTT_BatsFR_Fig7_7_8bcd_Rev01_Serotine

NG DRAWING No. BT-JAC-020631-500-0135	SHEET NO. 3	NO. OF SHEETS 5	ISSUE: A
---------------------------------------	-------------	-----------------	----------



589000 590000 591000 592000



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.

238000

237000

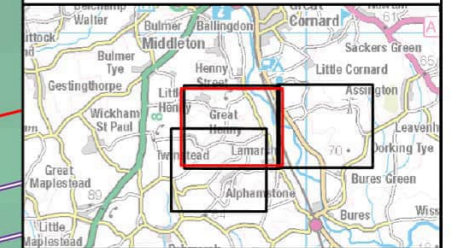
236000

G: Stour Valley

Twinstead

H: Grid Supply Point Substation

- Legend**
- Section boundaries
 - Order Limits
 - Study area (7km)
 - Proposed 400kV underground cable
- Habitat suitability model**
- Serotine
- High: 1
 - Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement

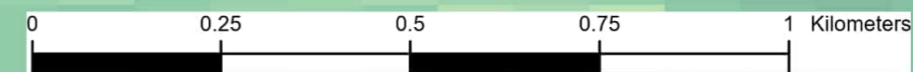
nationalgrid

TITLE: Figure 7.7.8
 Habitat Suitability Model For Serotine Bat Species

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

ORIGINATOR DRAWING NO. AAA_BTT_BatsFR_Fig7_7_8bcd_Rev01_Serotine A3

NG DRAWING No. BT-JAC-020631-500-0135 SHEET NO. 4 NO. OF SHEETS 5 ISSUE: A



586000

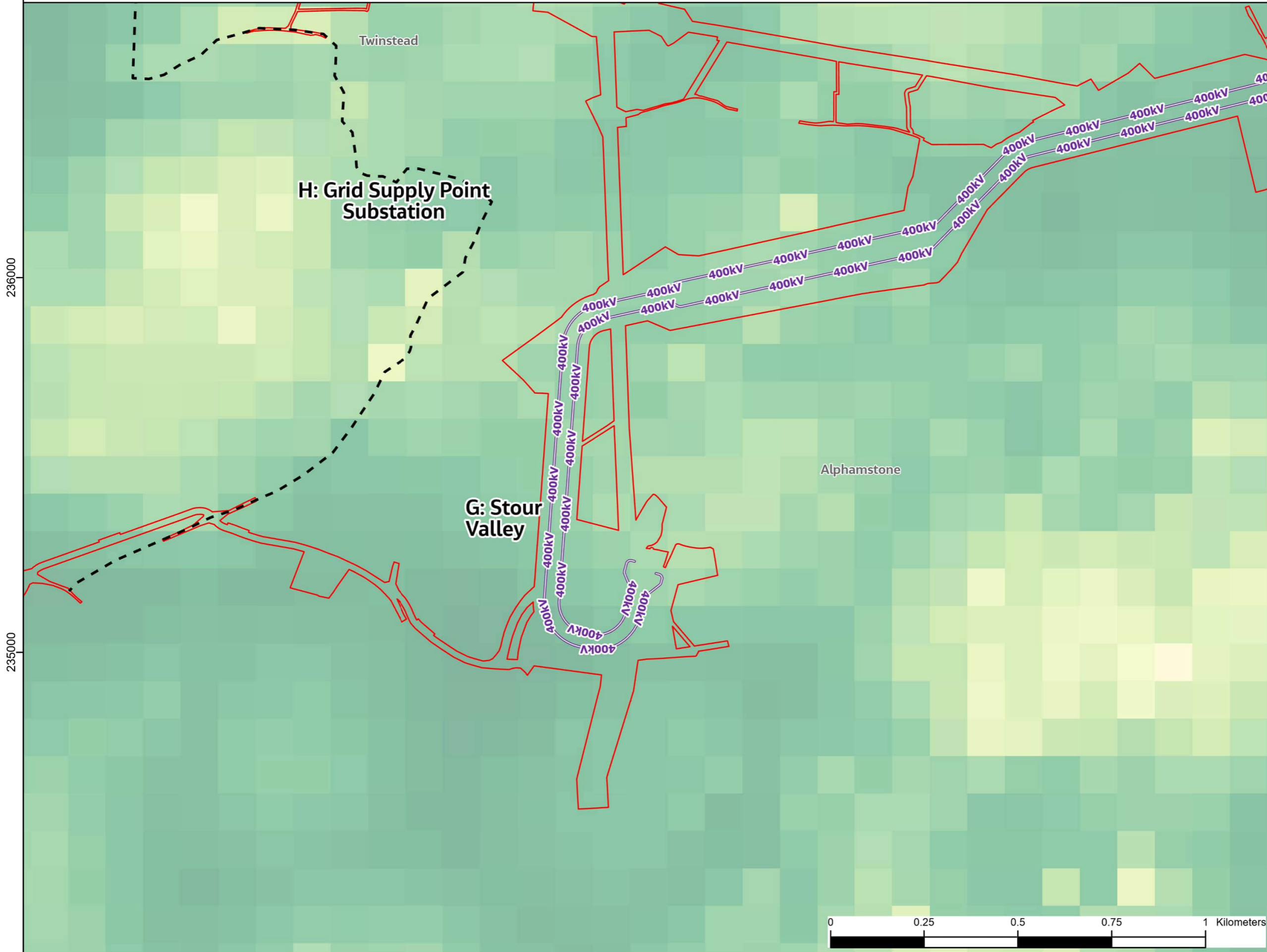
587000

588000

589000



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.



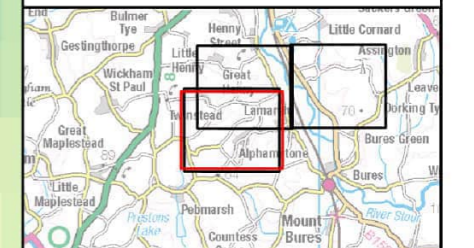
Legend

- Section boundaries
- Order Limits
- - - Study area (7km)
- Proposed 400kV underground cable

Habitat suitability model

Serotine

High: 1
 Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**



TITLE: **Figure 7.7.8
 Habitat Suitability Model For
 Serotine Bat Species**

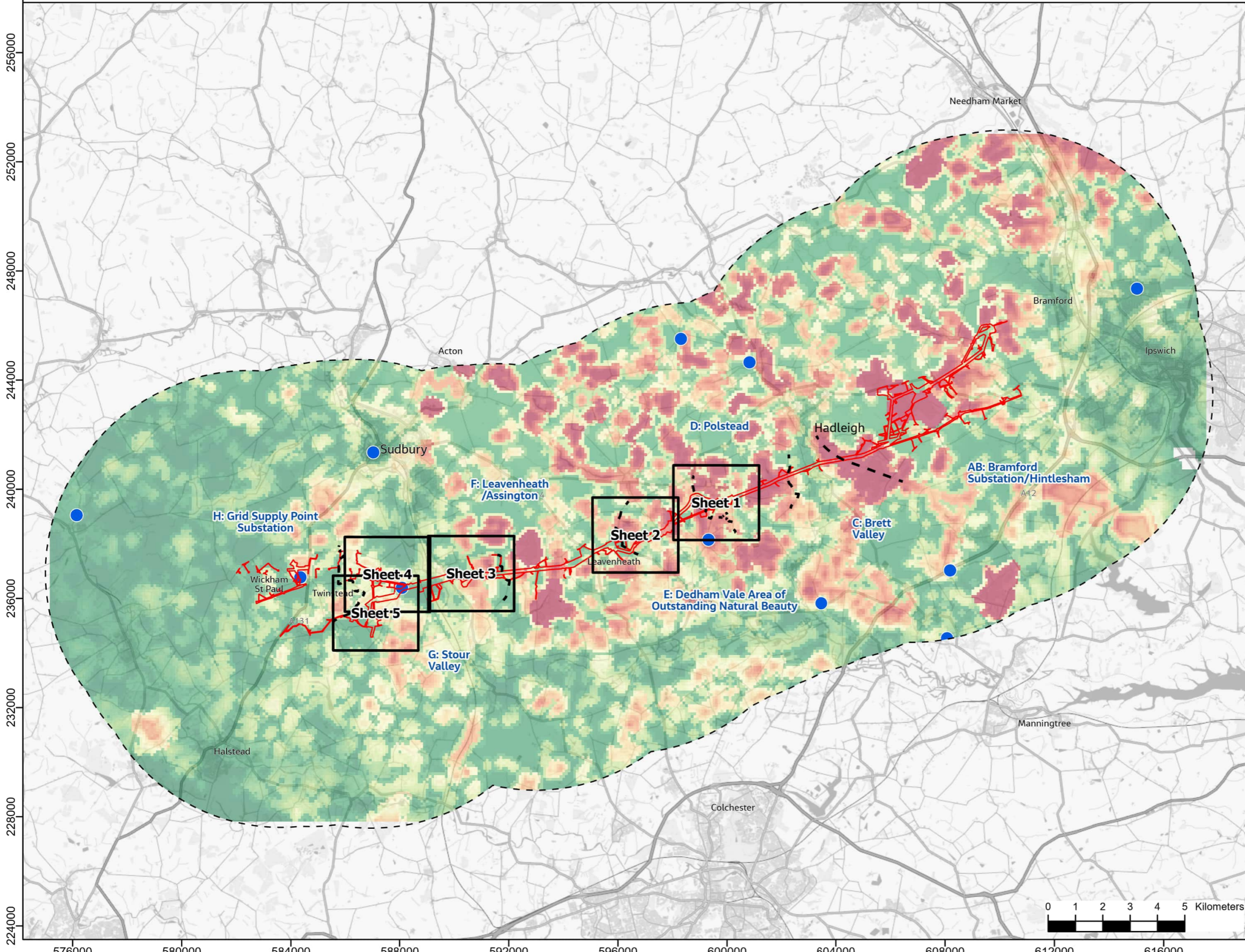
CIRCUIT / SITE: **Bramford – Pelham & Bramford
 – Braintree – Bulls Lodge** GIS

ORIGINATOR DRAWING NO. **AAA_BTT_BatsFR_Fig7_7_8bcd_Rev01_Serotine** A3

NG DRAWING No. BT-JAC-020631-500-0135	SHEET NO. 5	NO. OF SHEETS 5	ISSUE: A
--	-----------------------	---------------------------	--------------------



586000 587000 588000



- Legend**
- Section boundaries
 - Order Limits
 - Study area (7km)
 - Bat roost**
 - Soprano Pipistrelle
 - Habitat suitability model**
 - Soprano Pipistrelle
 - High: 1
 - Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**

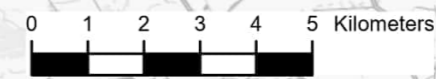
nationalgrid

TITLE: **Figure 7.7.9
 Habitat Suitability Model For
 Soprano Pipistrelle Bat Species - Key Plan**

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

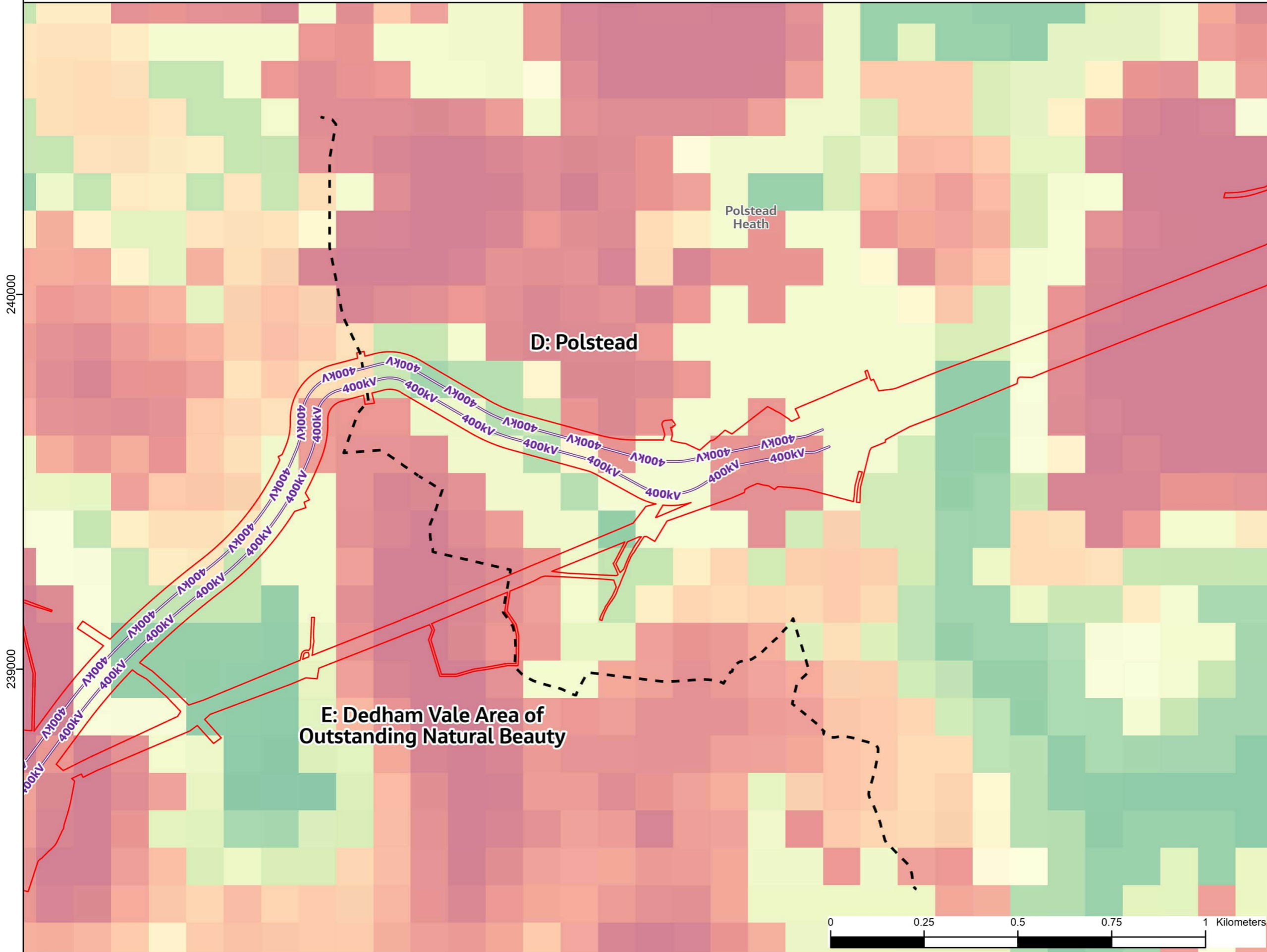
ORIGINATOR DRAWING NO. **AAA_BTT_BatsFR_Fig7.7.10_Rev1** A3

NG DRAWING No. BT-JAC-020631-500-0138	SHEET NO. 1	NO. OF SHEETS 1	ISSUE: A
SCALE: 1:135000			





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
- Proposed 400kV underground cable

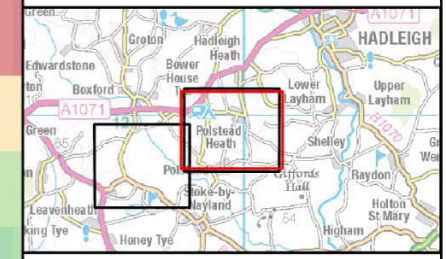
Bat roost

- Soprano Pipistrelle

Habitat suitability model

Soprano Pipistrelle

- High: 1
- Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement



TITLE: Figure 7.7.9
 Habitat Suitability Model For Soprano Pipistrelle Bat Species

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

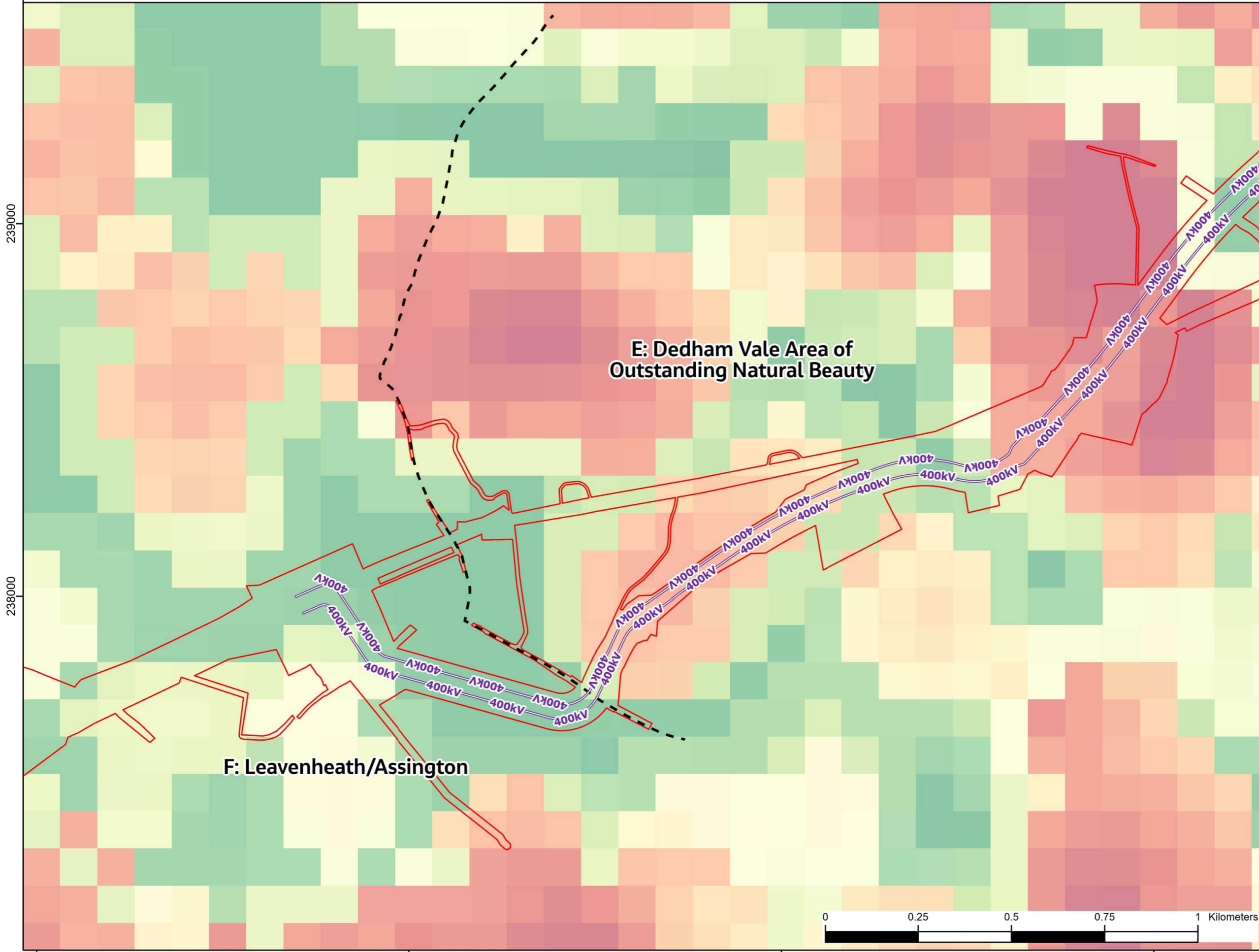
ORIGINATOR DRAWING NO. AAA_BTT_BatsFR_Fig7_7_9bcd_Rev01_SopranoPipistrelle

NG DRAWING No. BT-JAC-020631-500-0138	SHEET NO. 1	NO. OF SHEETS 5	ISSUE: A
SCALE: 1:10000			





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
 - Proposed 400kV underground cable
- Bat roost**
- Soprano Pipistrelle
- Habitat suitability model**
- Soprano Pipistrelle
- High: 1
 - Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement



TITLE: Figure 7.7.9
 Habitat Suitability Model For Soprano Pipistrelle Bat Species

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

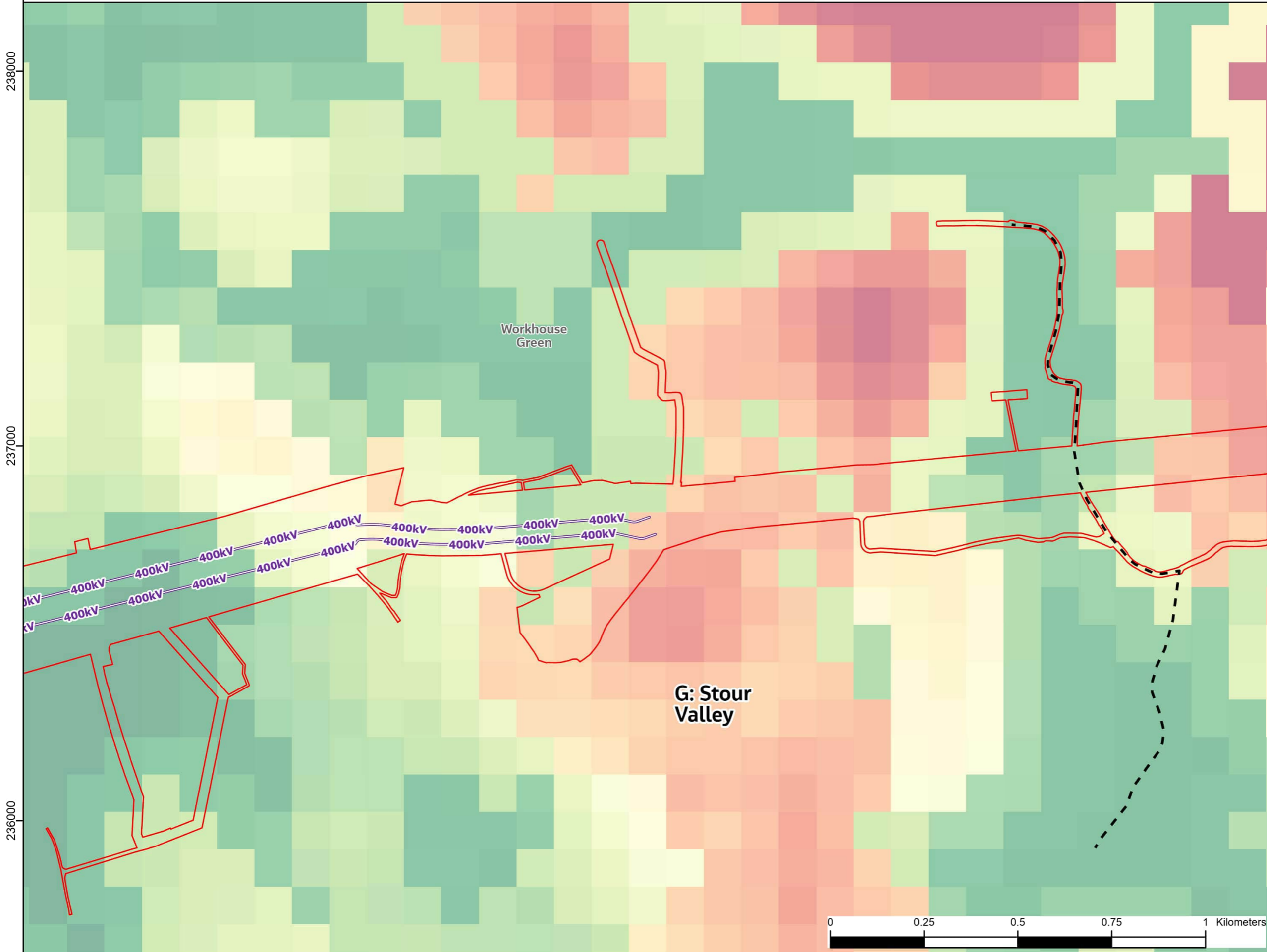
ORIGINATOR DRAWING NO. AAA_BTT_BatsFR_Fig7_7_9bcd_Rev01_SopranoPipistrelle A3

NG DRAWING No. BT-JAC-020631-500-0138	SHEET NO. 2	NO. OF SHEETS 5	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
- Proposed 400kV underground cable

Bat roost

- Soprano Pipistrelle

Habitat suitability model

Soprano Pipistrelle

- High: 1
- Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement



TITLE: Figure 7.7.9
 Habitat Suitability Model For Soprano Pipistrelle Bat Species

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

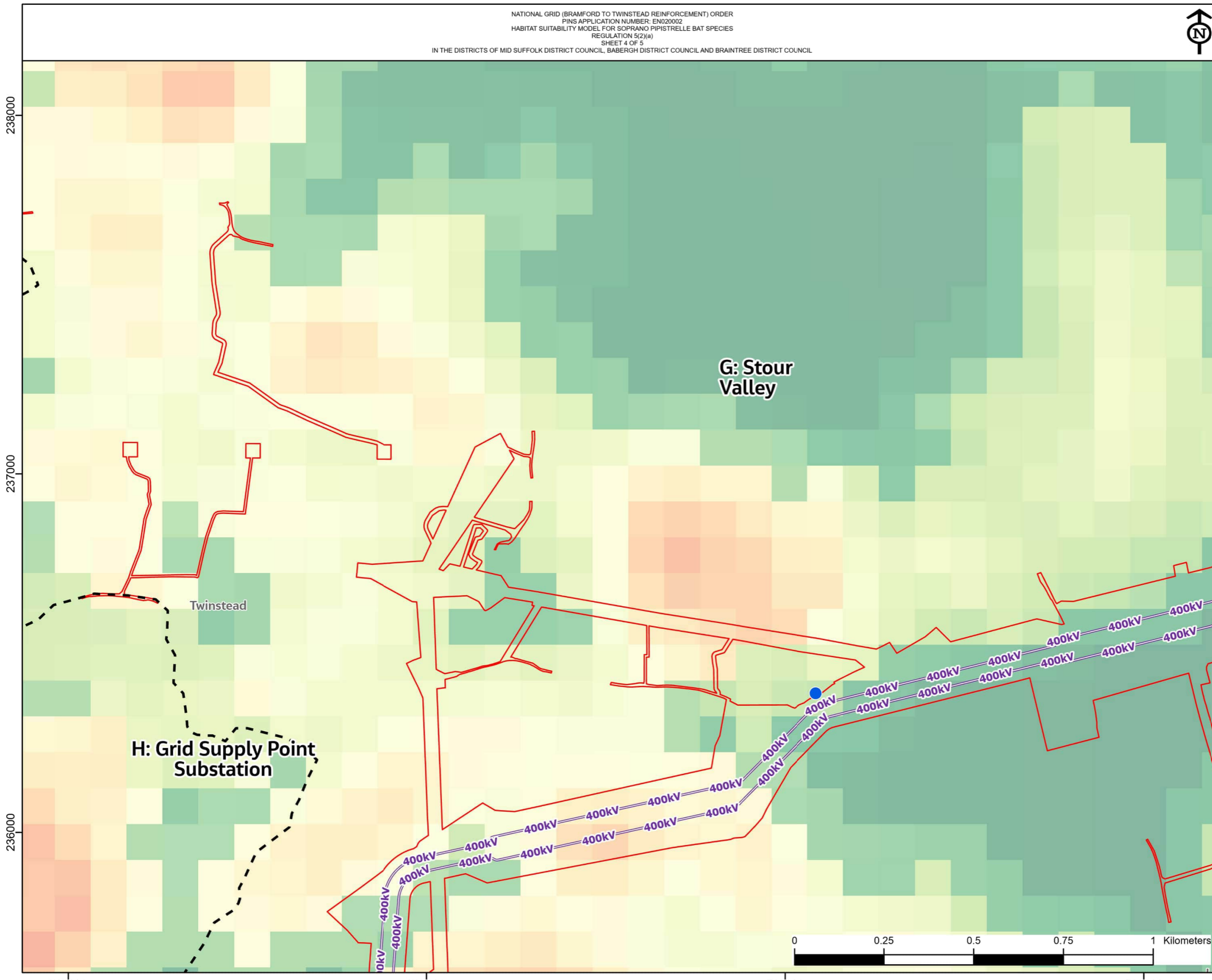
ORIGINATOR DRAWING NO. AAA_BTT_BatsFR_Fig7_7_9bcd_Rev01_SopranoPipistrelle

NG DRAWING No. BT-JAC-020631-500-0138	SHEET NO. 3	NO. OF SHEETS 5	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
- Proposed 400kV underground cable

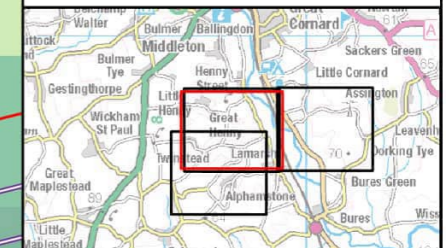
Bat roost

- Soprano Pipistrelle

Habitat suitability model

Soprano Pipistrelle

- High: 1
- Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement



TITLE: Figure 7.7.9
 Habitat Suitability Model For Soprano Pipistrelle Bat Species

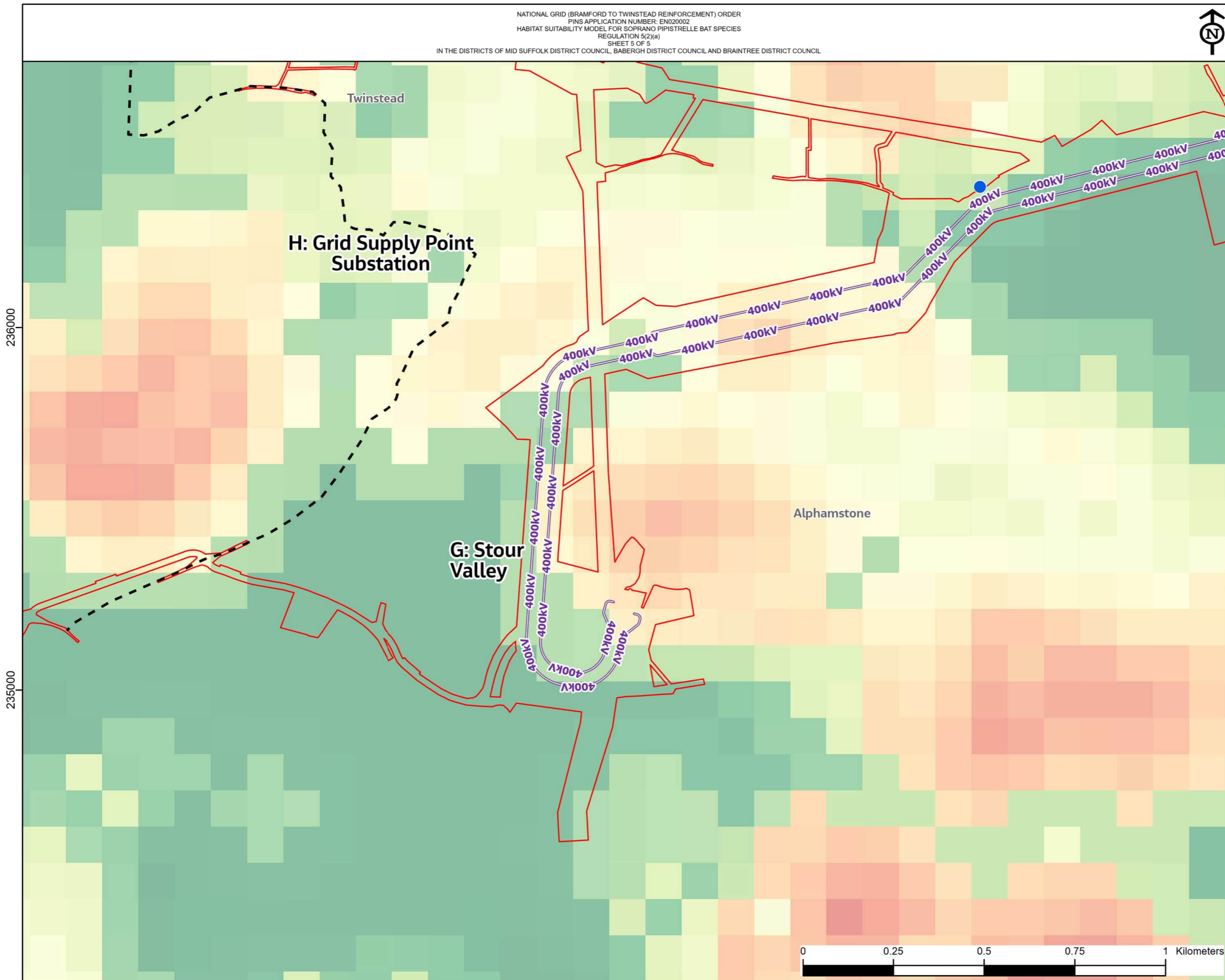
CIRCUIT / SITE: Bramford – Pelham & Bramford – Braintree – Bulls Lodge	GIS
ORIGINATOR DRAWING NO. AAA_BTT_BatsFR_Fig7_7_9bcd_Rev01_SopranoPipistrelle	A3

NG DRAWING No. BT-JAC-020631-500-0138	SHEET NO. 4	NO. OF SHEETS 5	ISSUE: A
SCALE: 1:10000			





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
 - Proposed 400kV underground cable
 - Bat roost**
 - Soprano Pipistrelle
 - Habitat suitability model**
 - Soprano Pipistrelle
 - High: 1
 - Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**



TITLE: **Figure 7.7.9
 Habitat Suitability Model For
 Soprano Pipistrelle Bat Species**

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

ORIGINATOR DRAWING NO. **AAA_BTT_BatsFR_Fig7_7_9bcd_Rev01_SopranoPipistrelle** A3

NG DRAWING No. BT-JAC-020631-500-0138	SHEET NO. 5	NO. OF SHEETS 5	ISSUE: A
--	-----------------------	---------------------------	--------------------



586000

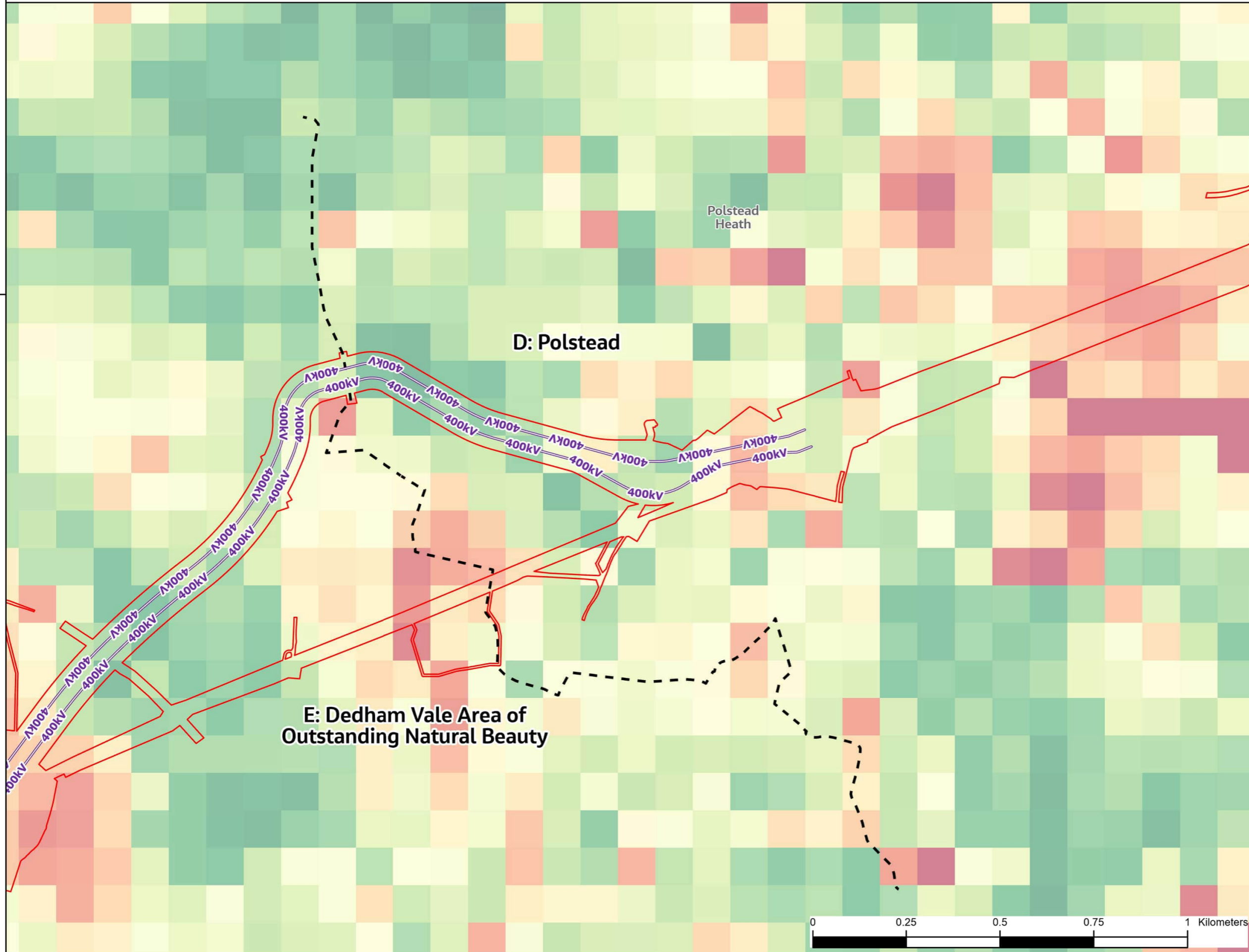
587000

588000



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



Legend

- - - Section boundaries
- Order Limits
- Proposed 400kV underground cable

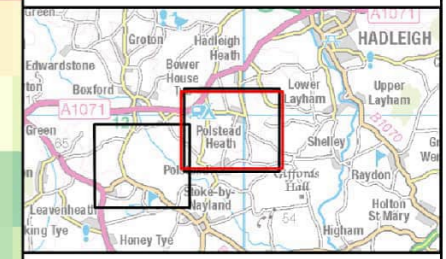
Bat roost

- Common Pipistrelle

Habitat suitability model

Common Pipistrelle

- High: 1
- Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement



TITLE: Figure 7.7.10
 Habitat Suitability Model For
 Common Pipistrelle Bat Species

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

ORIGINATOR DRAWING NO.
 AAA_BTT_BatsFR_Fig7_7_10cod_Rev01_CommonPipistrelle

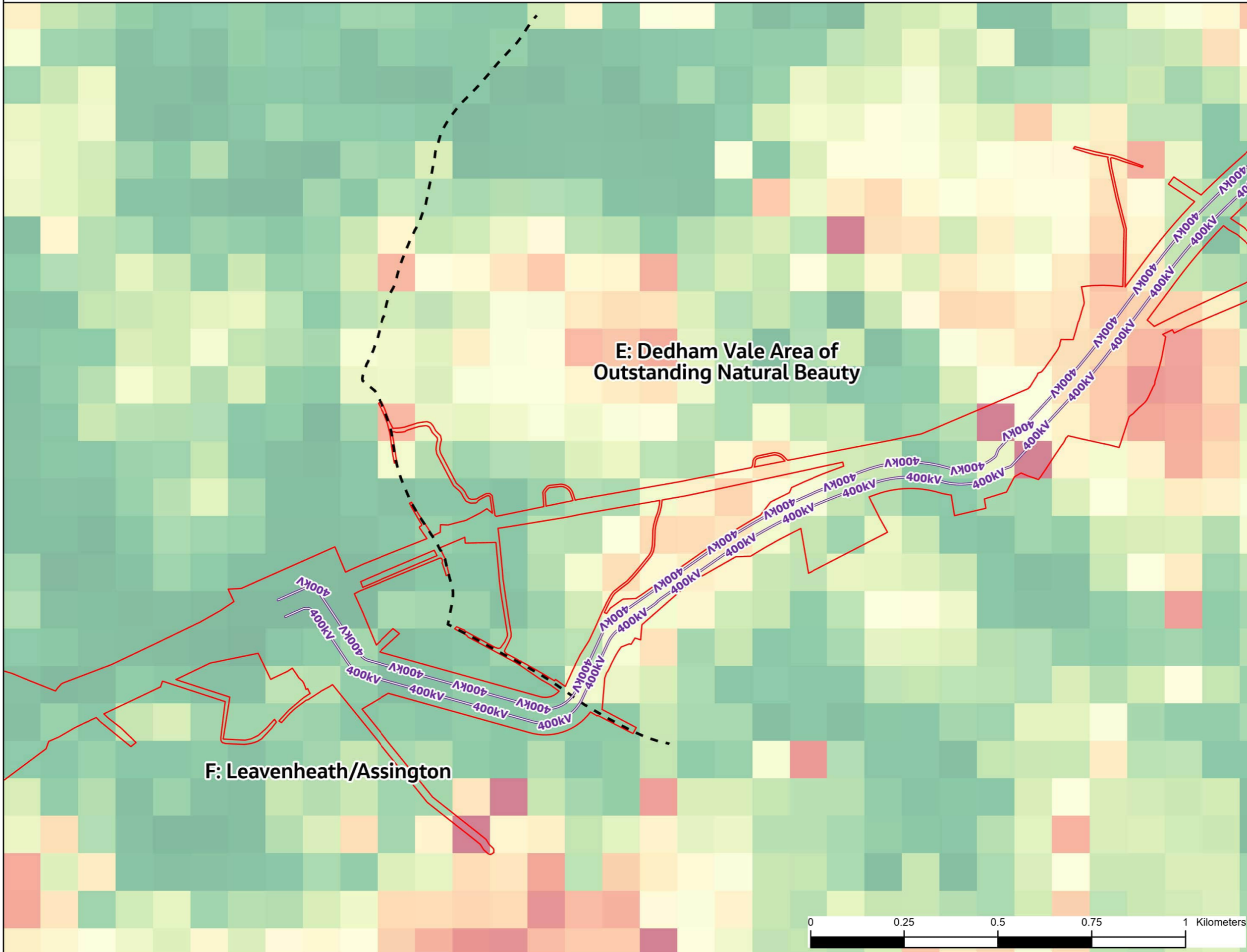
NG DRAWING No. BT-JAC-020631-500-0140	SHEET NO. 1	NO. OF SHEETS 5	ISSUE: A
--	----------------	--------------------	-------------



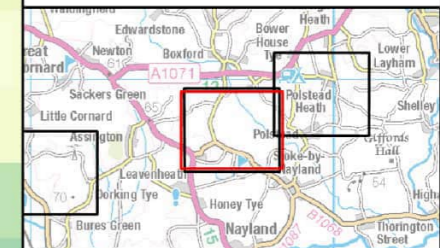
600000



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.



- Legend**
- Section boundaries
 - Order Limits
 - Proposed 400kV underground cable
- Bat roost**
- Common Pipistrelle
- Habitat suitability model**
- Common Pipistrelle**
- High: 1
 - Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement



TITLE: Figure 7.7.10
 Habitat Suitability Model For
 Common Pipistrelle Bat Species

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

ORIGINATOR DRAWING NO. A3

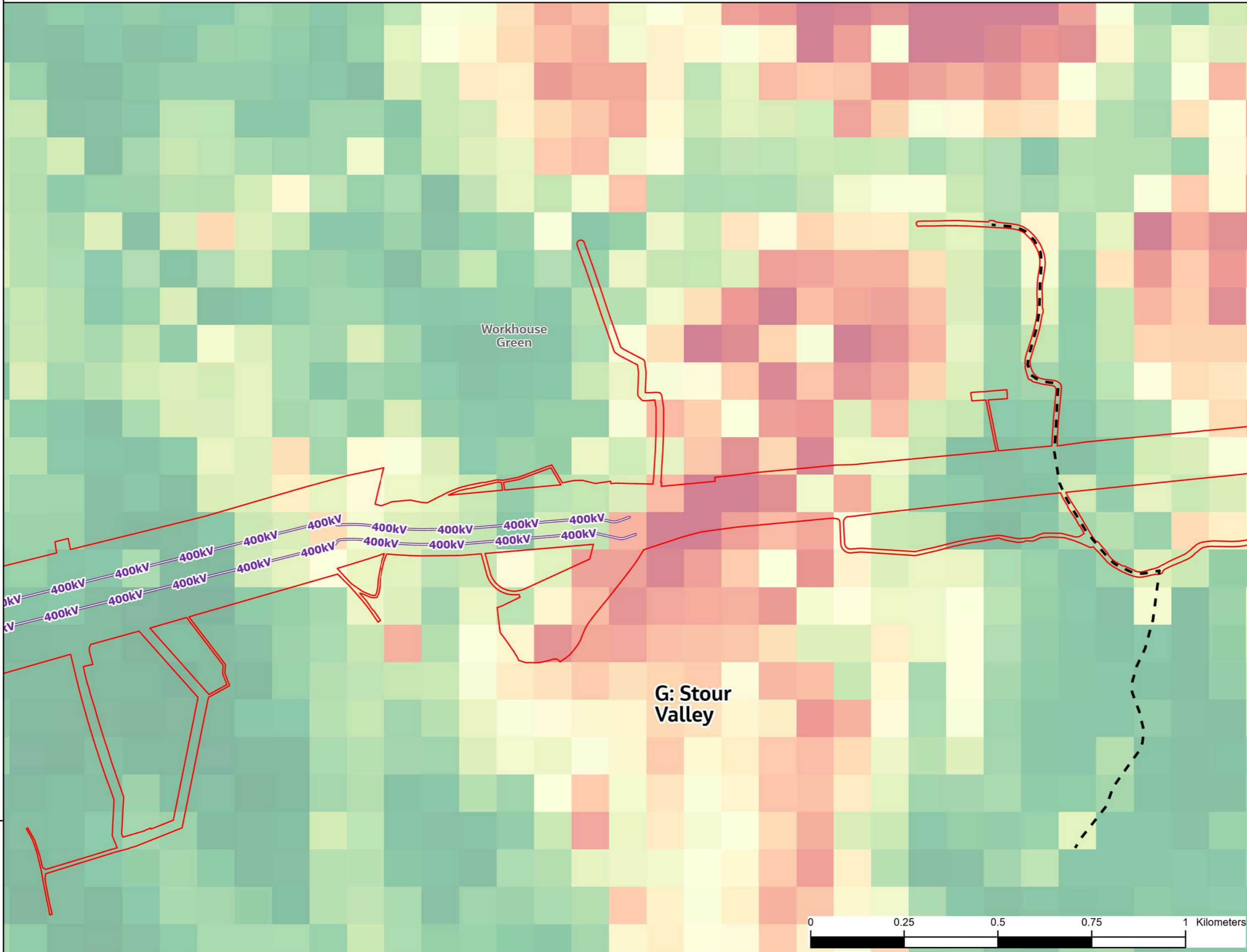
NG DRAWING No. BT-JAC-020631-500-0140	SHEET NO. 2	NO. OF SHEETS 5	ISSUE: A
--	----------------	--------------------	-------------



596000



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
- Proposed 400kV underground cable

Bat roost

- Common Pipistrelle

Habitat suitability model

Common Pipistrelle

- High: 1
- Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement



TITLE: Figure 7.7.10
 Habitat Suitability Model For
 Common Pipistrelle Bat Species

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

ORIGINATOR DRAWING NO. AAA_BTT_BatsFR_Fig7_7_10cod_Rev01_CommonPipistrelle

NG DRAWING No. BT-JAC-020631-500-0140	SHEET NO. 3	NO. OF SHEETS 5	ISSUE: A
--	----------------	--------------------	-------------

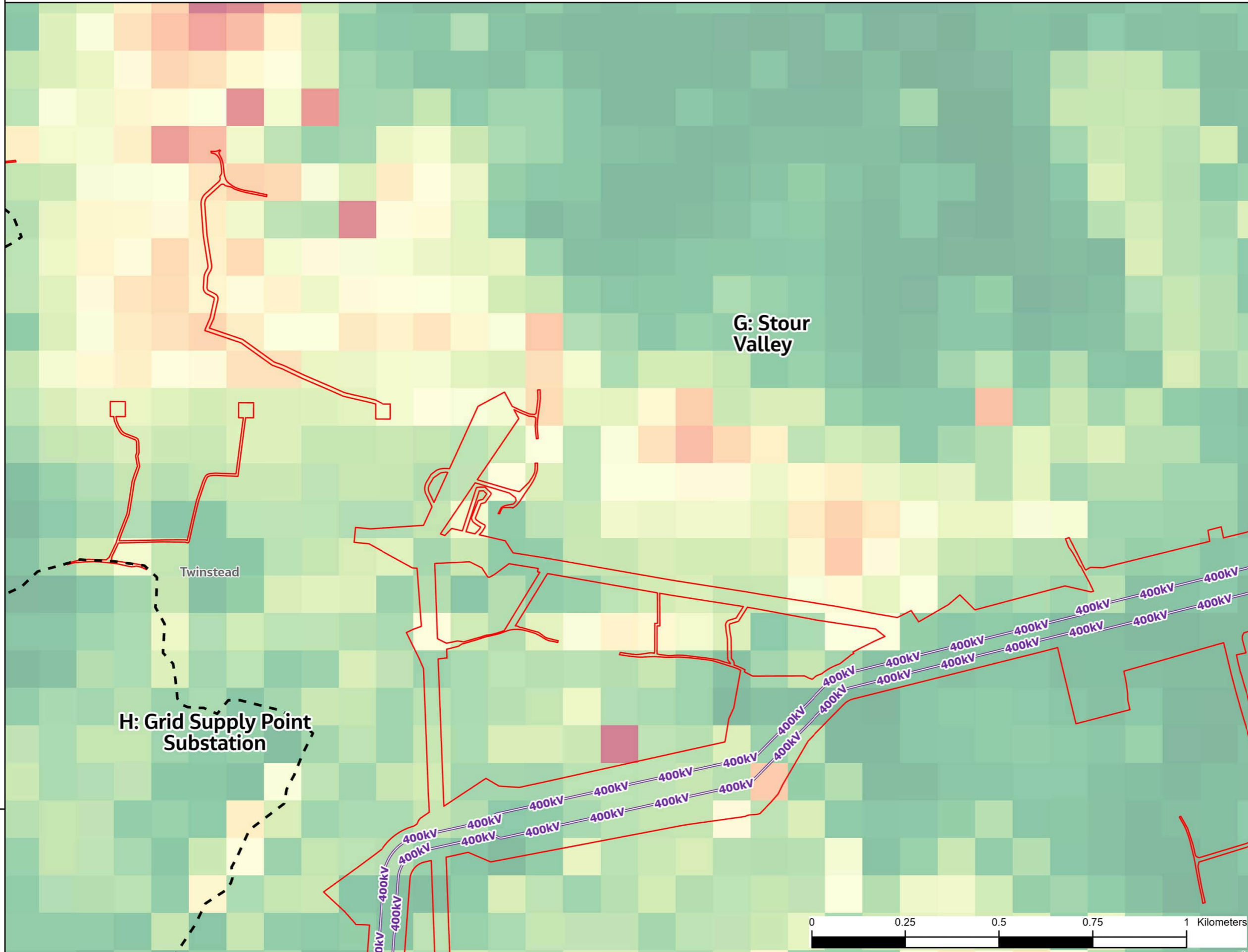


236000

592000



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
 - Proposed 400kV underground cable
- Bat roost**
- Common Pipistrelle
- Habitat suitability model**
- Common Pipistrelle
- High: 1
 - Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement



TITLE: Figure 7.7.10
 Habitat Suitability Model For
 Common Pipistrelle Bat Species

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

ORIGINATOR DRAWING NO.
 AAA_BTT_BatsFR_Fig7_7_10cod_Rev01_CommonPipistrelle

NG DRAWING No. BT-JAC-020631-500-0140	SHEET NO. 4	NO. OF SHEETS 5	ISSUE: A
--	----------------	--------------------	-------------



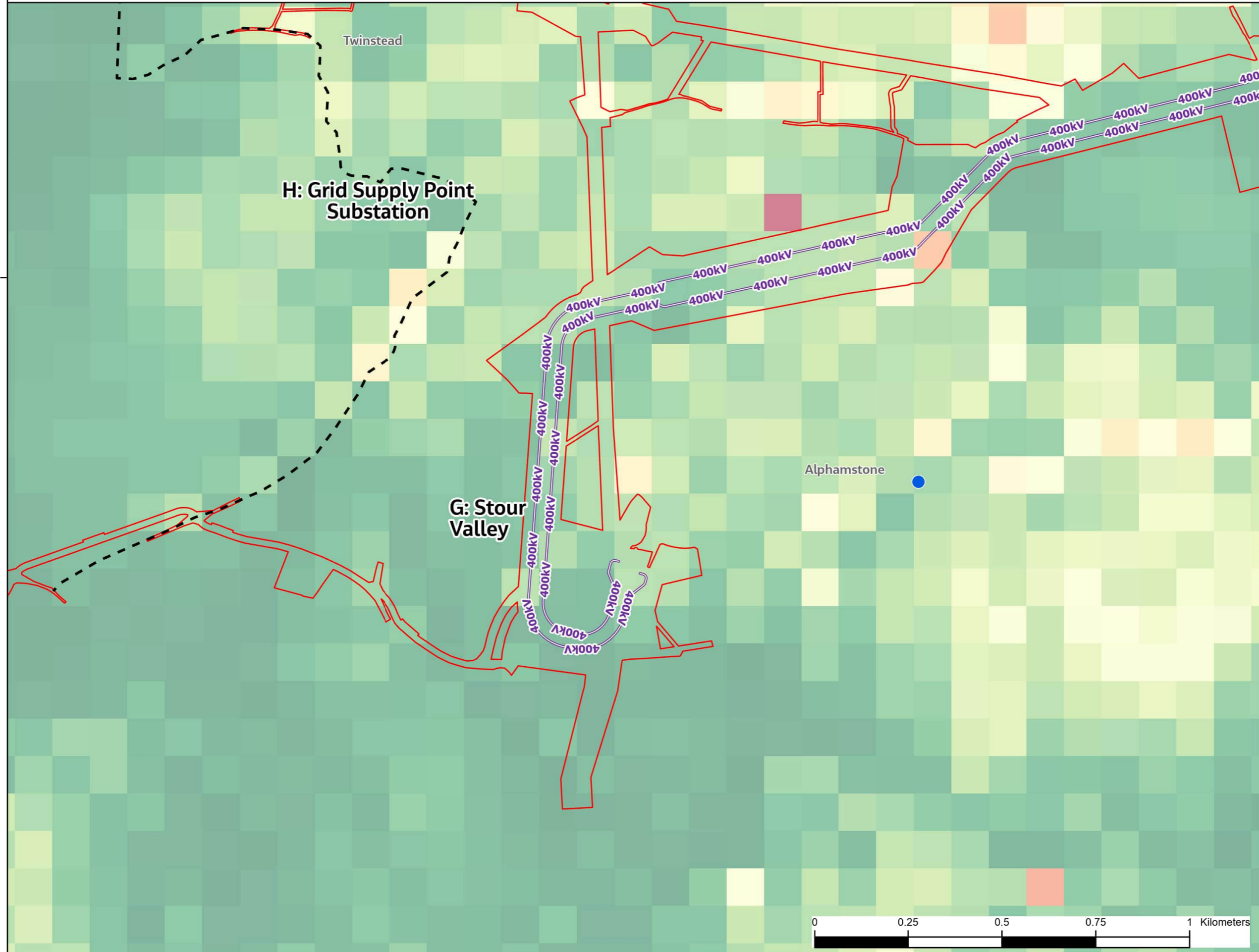
588000

236000



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.

236000



Legend

- - - Section boundaries
- Order Limits
- Proposed 400kV underground cable

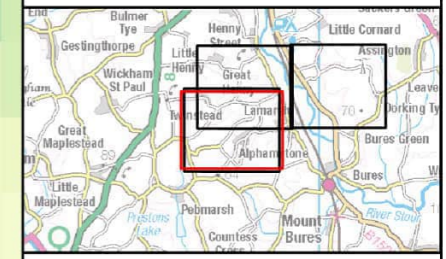
Bat roost

- Common Pipistrelle

Habitat suitability model

Common Pipistrelle

- High: 1
- Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**



TITLE: **Figure 7.7.10
 Habitat Suitability Model For
 Common Pipistrelle Bat Species**

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

ORIGINATOR DRAWING NO.
 AAA_BTT_BatsFR_Fig7_7_10b0d_Rev01_CommonPipistrelle

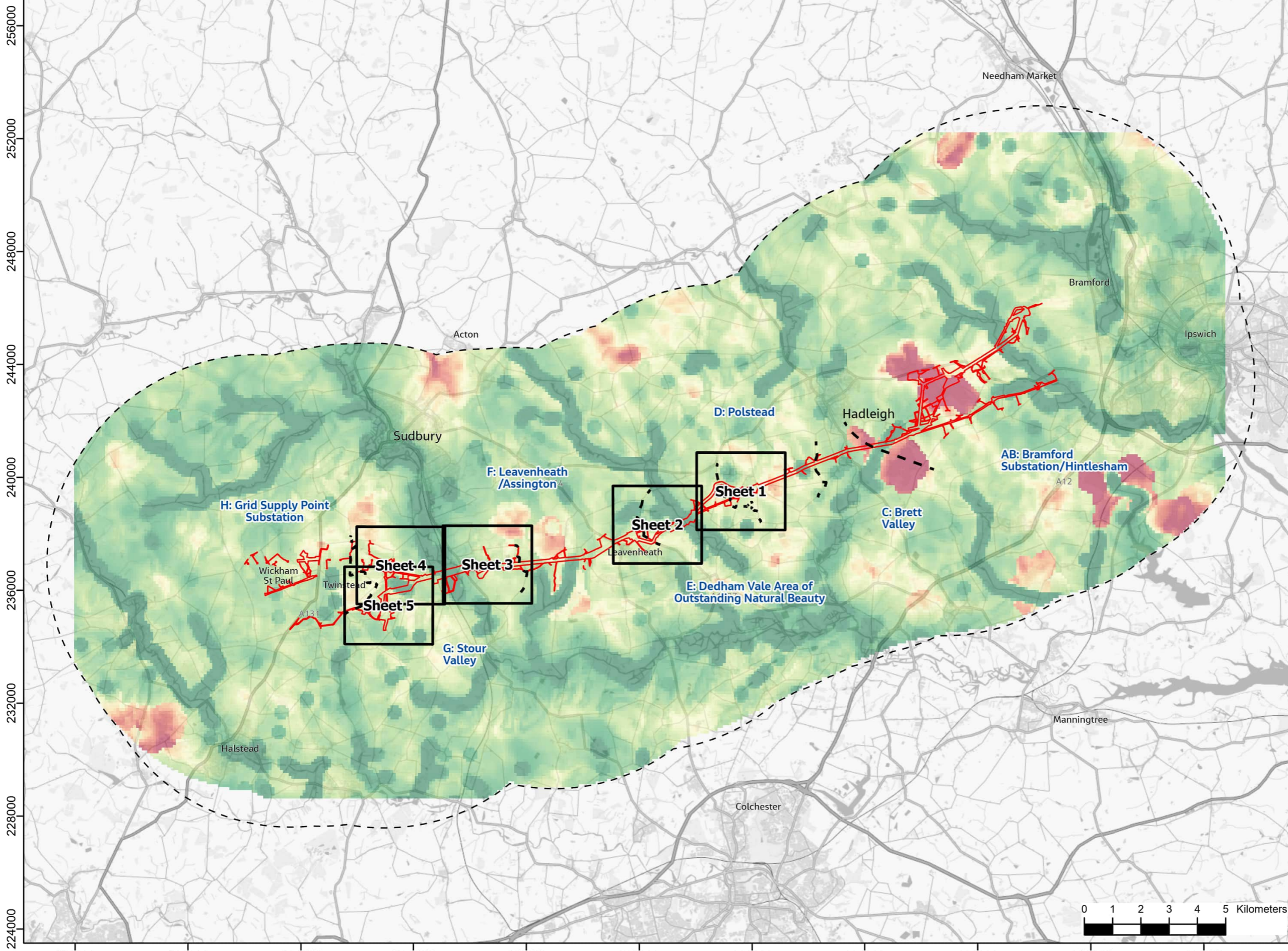
NG DRAWING No. BT-JAC-020631-500-0140	SHEET NO. 5	NO. OF SHEETS 5	ISSUE: A
--	----------------	--------------------	-------------

SCALE: 1:10000

588000



Contains OS data © Crown Copyright and database right 2020



- Legend**
- Section boundaries
 - Order Limits
 - ⋮ Study area (7km)
 - Habitat suitability model
 - Nathusius' Pipistrelle
 - High: 1
 - Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**



TITLE: **Figure 7.7.11
 Habitat Suitability Model For
 Nathusius' Pipistrelle bat species - Key Plan**

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

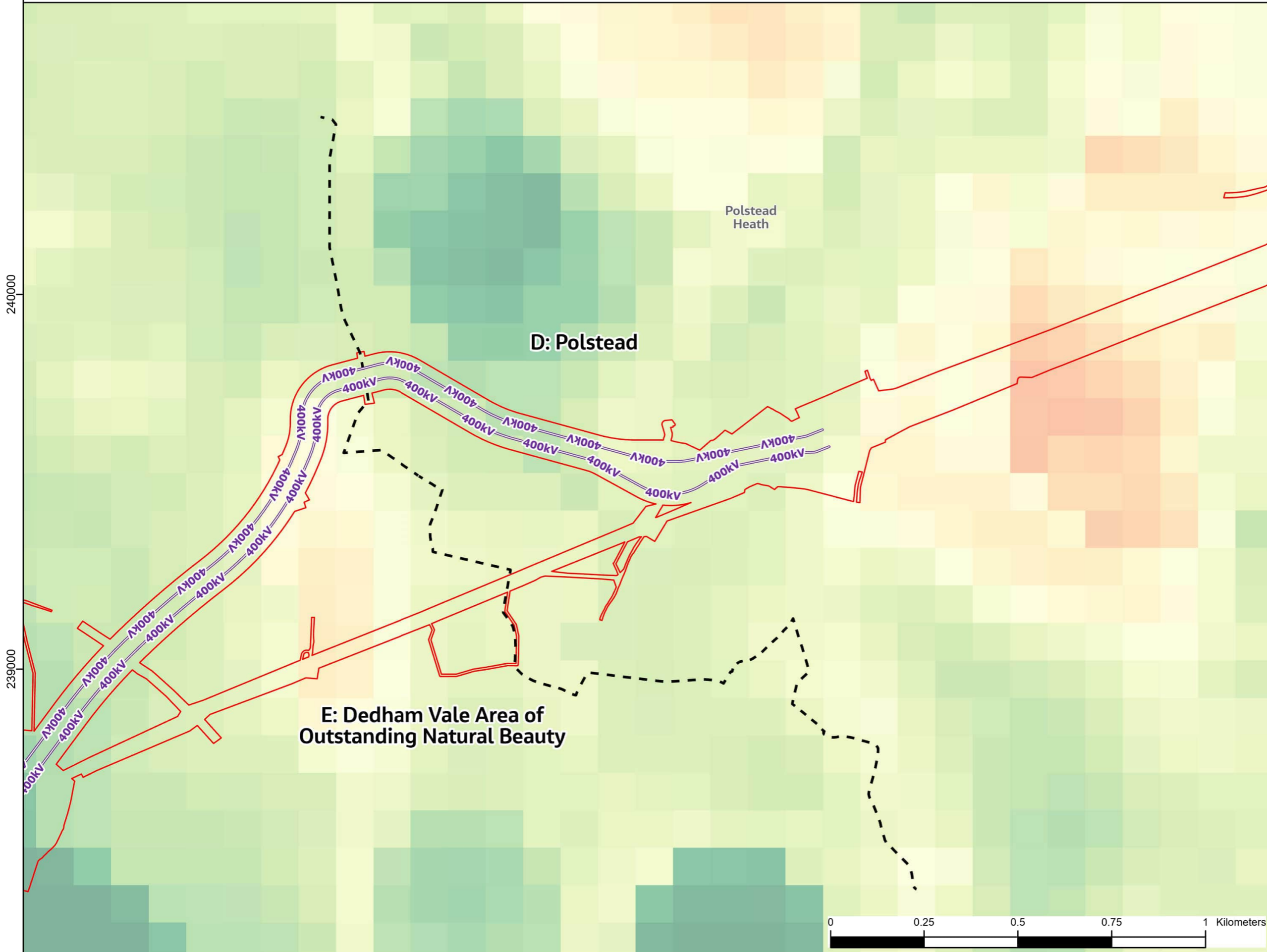
ORIGINATOR DRAWING NO. **AAA_BTT_BatsFR_Fig7.7.9_Rev1** **A3**

NG DRAWING No. BT-JAC-020631-500-0137	SHEET NO. 1	NO. OF SHEETS 1	ISSUE: A
SCALE: 1:135000			





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.



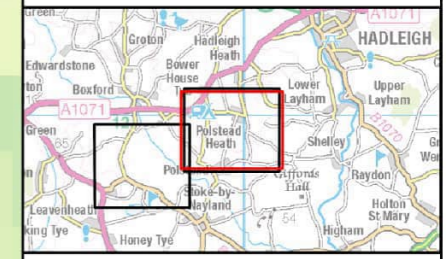
Legend

- - - Section boundaries
- Order Limits
- Proposed 400kV underground cable

Habitat suitability model

Nathusius' Pipistrelle

- High: 1
- Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement



TITLE: Figure 7.7.11
 Habitat Suitability Model For
 Nathusius' Pipistrelle Bat Species

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

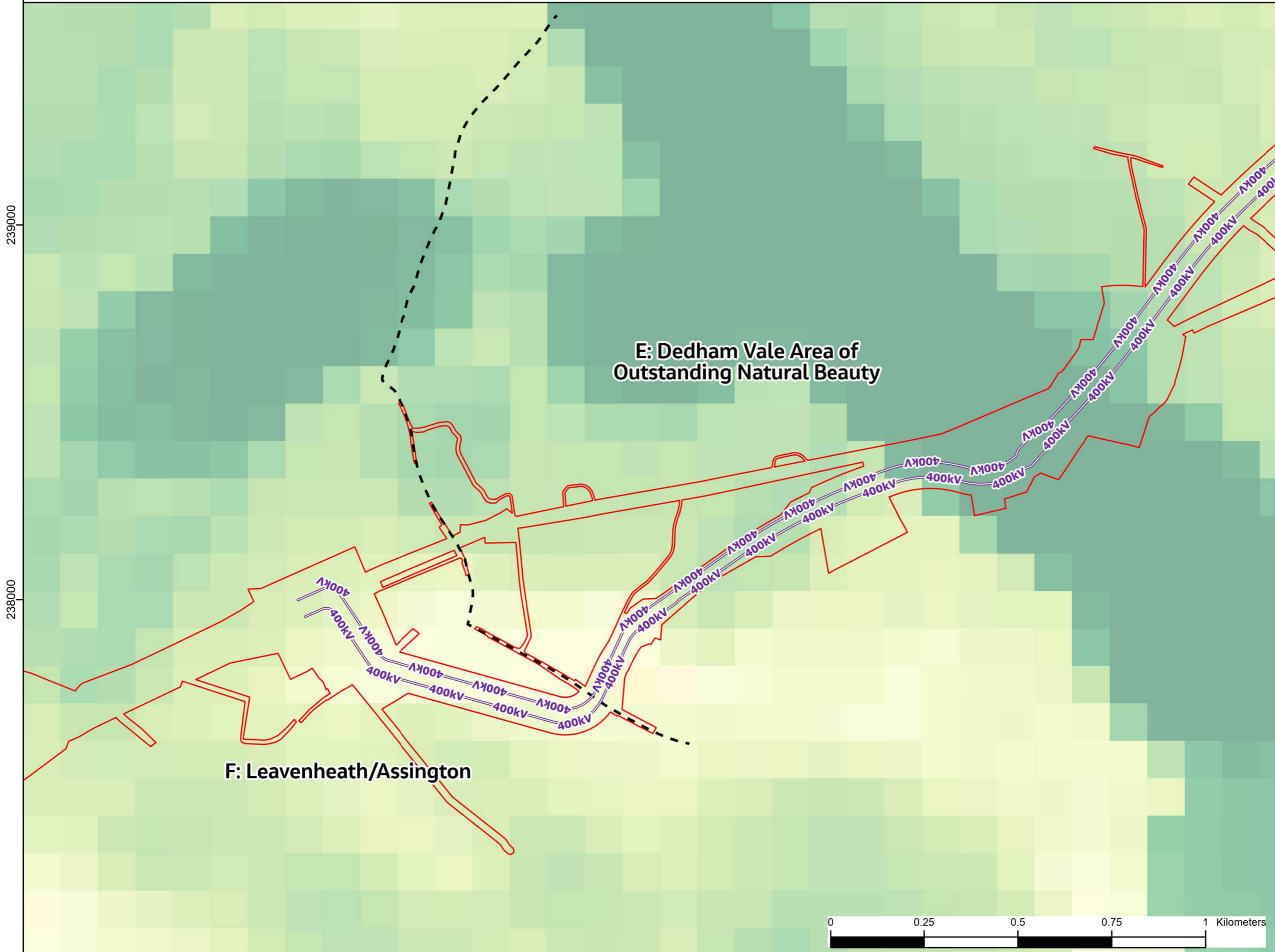
ORIGINATOR DRAWING NO. A3

NG DRAWING No. BT-JAC-020631-500-0137	SHEET NO. 1	NO. OF SHEETS 5	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
- Proposed 400kV underground cable

Habitat suitability model

Nathusius' Pipistrelle

- High: 1
- Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement



TITLE: Figure 7.7.11
 Habitat Suitability Model For
 Nathusius' Pipistrelle Bat Species

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

ORIGINATOR DRAWING NO. A3

NG DRAWING No. BT-JAC-020631-500-0137	SHEET NO. 2	NO. OF SHEETS 5	ISSUE: A
--	----------------	--------------------	-------------



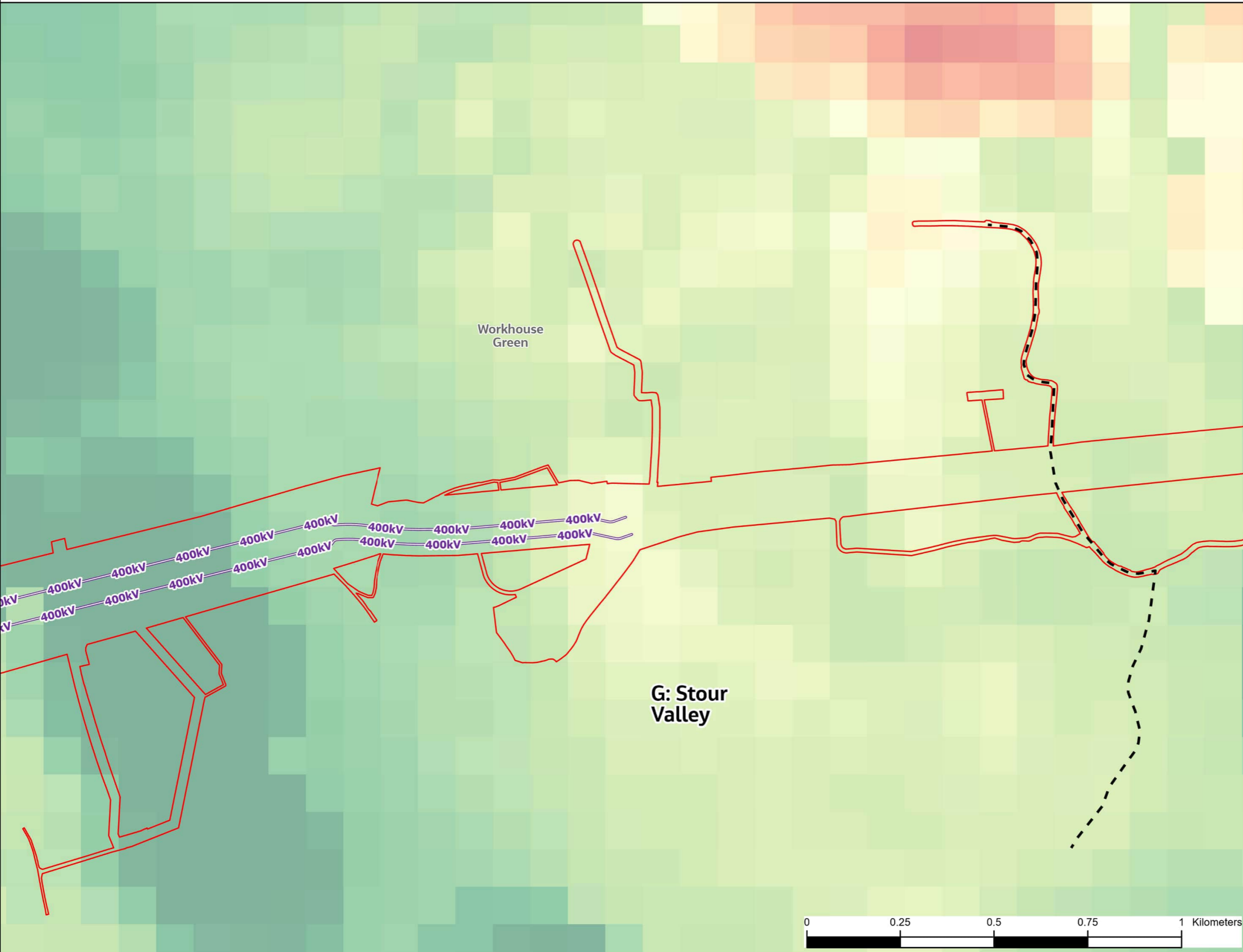


Reproduced from Ordnance Survey maps by permission of the Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office.
 © Crown copyright Ordnance Survey, Licence no. 0100052046.

238000

237000

236000



Legend

- - - Section boundaries
- Order Limits
- Proposed 400kV underground cable

Habitat suitability model

Nathusius' Pipistrelle

- High: 1
- Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**



TITLE: **Figure 7.7.11
 Habitat Suitability Model For
 Nathusius' Pipistrelle Bat Species**

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

ORIGINATOR DRAWING NO. **AAA_BTT_BatsFR_Fig7_7_11bcd_Rev01_NathusiusPipistrelle** A3

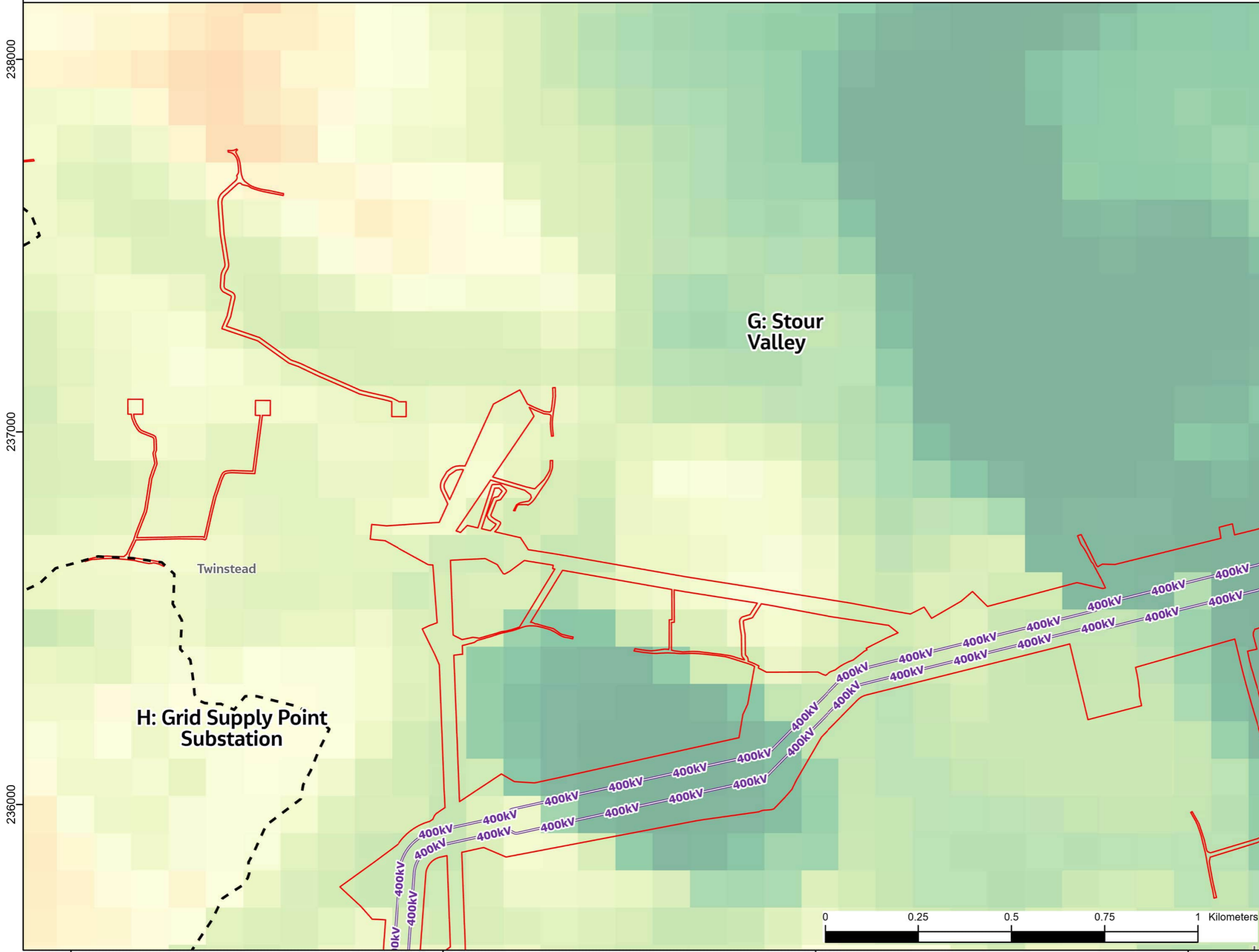
NG DRAWING No. **BT-JAC-020631-500-0137** SHEET NO. **3** NO. OF SHEETS **5** ISSUE: **A**

SCALE: 1:10000

589000 590000 591000 592000



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.



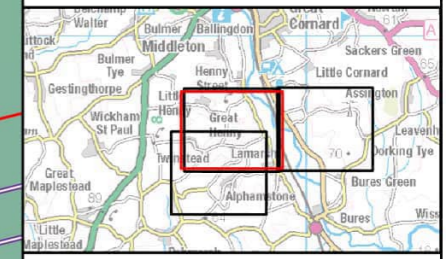
Legend

- - - Section boundaries
- Order Limits
- Proposed 400kV underground cable

Habitat suitability model

Nathusius' Pipistrelle

- High: 1
- Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**

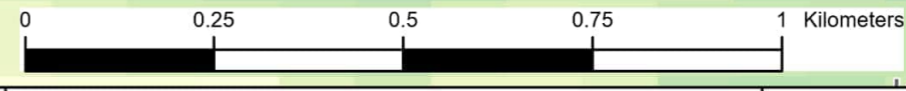


TITLE: **Figure 7.7.11
 Habitat Suitability Model For
 Nathusius' Pipistrelle Bat Species**

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

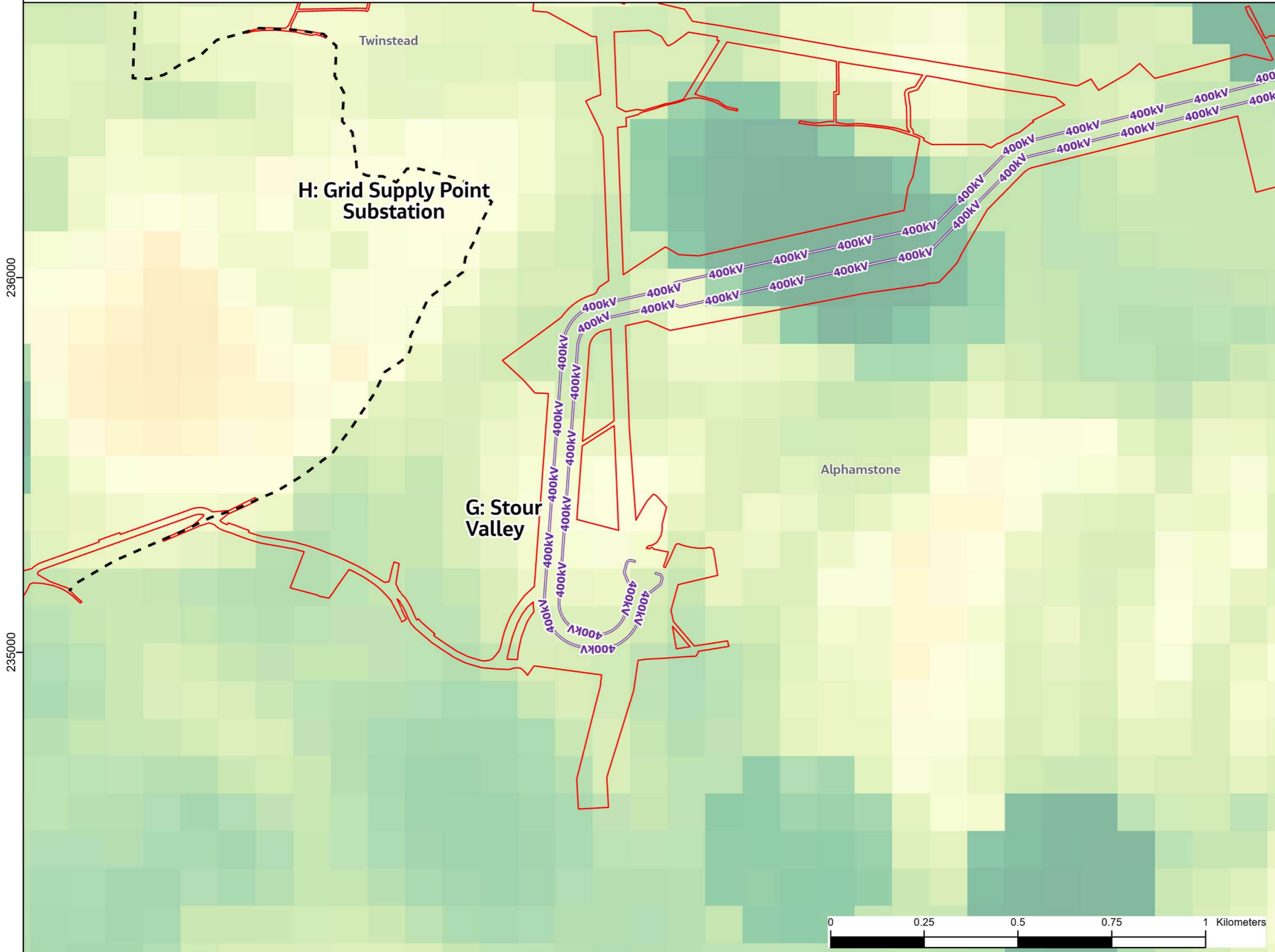
ORIGINATOR DRAWING NO. **A3**

NG DRAWING No. BT-JAC-020631-500-0137	SHEET NO. 4	NO. OF SHEETS 5	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.



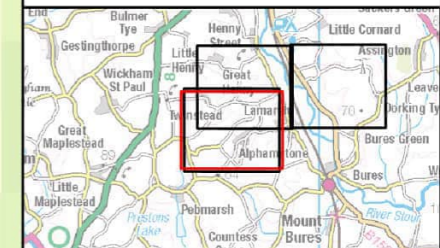
Legend

- Section boundaries
- Order Limits
- Proposed 400kV underground cable

Habitat suitability model

Nathusius' Pipistrelle

High: 1
 Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**

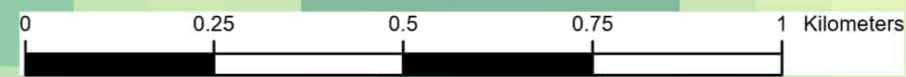


TITLE: **Figure 7.7.11
 Habitat Suitability Model For
 Nathusius' Pipistrelle Bat Species**

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

ORIGINATOR DRAWING NO. **A3**

NG DRAWING No. BT-JAC-020631-500-0137	SHEET NO. 5	NO. OF SHEETS 5	ISSUE: A
--	-----------------------	---------------------------	--------------------



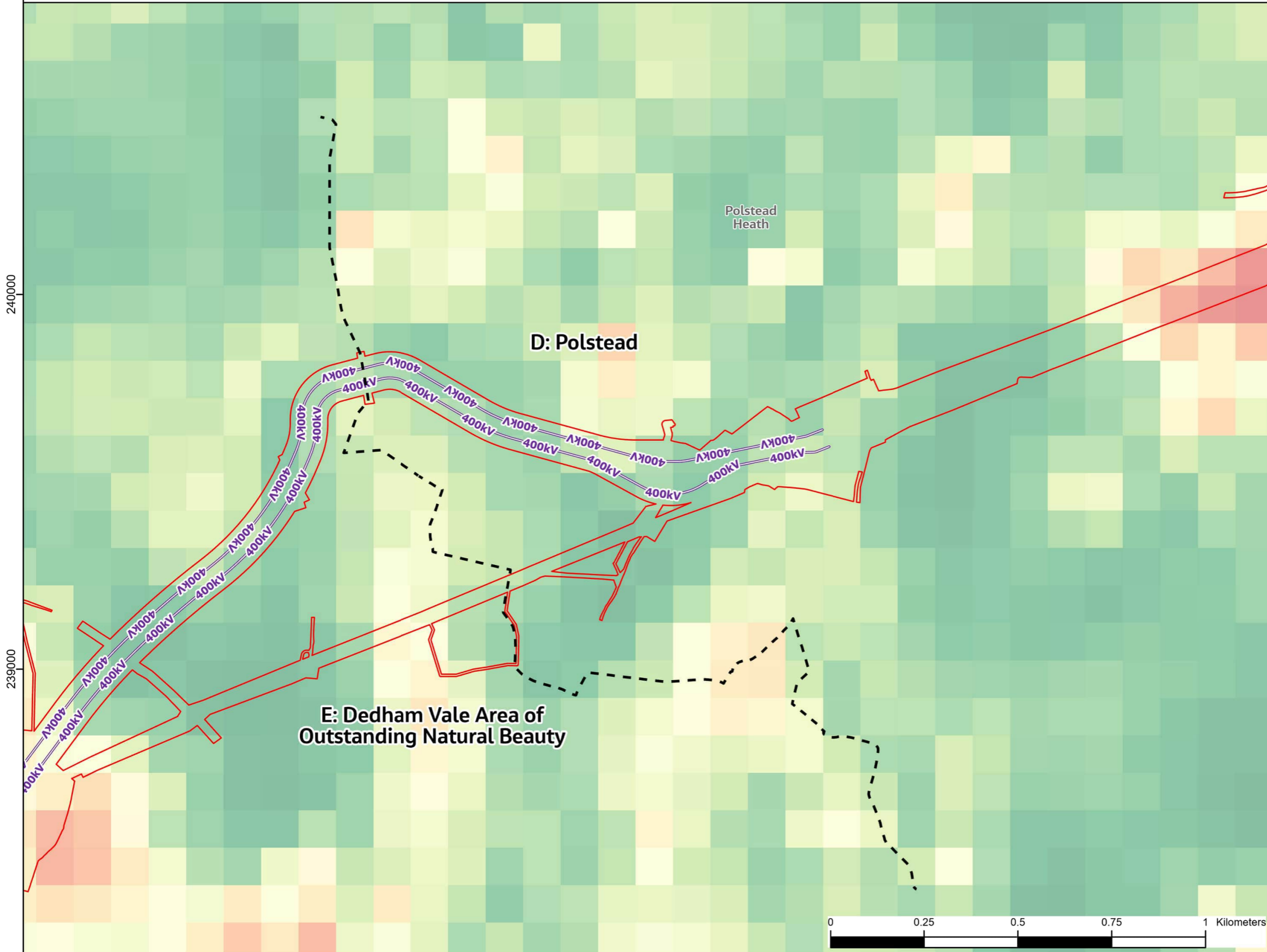
586000

587000

588000



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.



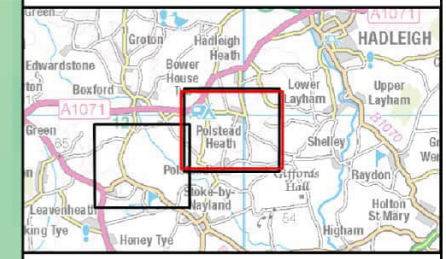
Legend

- Section boundaries
- Order Limits
- Proposed 400kV underground cable

Habitat suitability model

Leisler's

- High: 1
- Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement



TITLE: Figure 7.7.12
 Habitat Suitability Model For
 Leisler's Bat Species

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

ORIGINATOR DRAWING NO.
 AAA_BTT_BatsFR_Fig7_7_12bod_Rev01_Leisler

NG DRAWING No. BT-JAC-020631-500-0136	SHEET NO. 1	NO. OF SHEETS 5	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
- Proposed 400kV underground cable

Habitat suitability model
 Leisler's

High: 1
 Low: 0

239000

238000

595000 596000 597000 598000

E: Dedham Vale Area of Outstanding Natural Beauty

F: Leavenheath/Assington



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**



TITLE: **Figure 7.7.12
 Habitat Suitability Model For
 Leisler's Bat Species**

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

ORIGINATOR DRAWING NO.
 AAA_BTT_BatsFR_Fig7_7_12bod_Rev01_Leisler

NG DRAWING No. BT-JAC-020631-500-0136	SHEET NO. 2	NO. OF SHEETS 5	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.

238000

237000

236000

G: Stour Valley

Twinstead

H: Grid Supply Point Substation

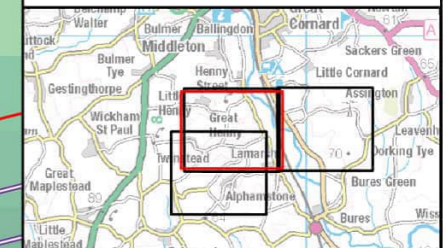
Legend

- Section boundaries
- Order Limits
- Proposed 400kV underground cable

Habitat suitability model

Leisler's

High: 1
Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement



TITLE: Figure 7.7.12
 Habitat Suitability Model For
 Leisler's Bat Species

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

ORIGINATOR DRAWING NO. AAA_BTT_BatsFR_Fig7_7_12bod_Rev01_Leisler

NG DRAWING No. BT-JAC-020631-500-0136	SHEET NO. 4	NO. OF SHEETS 5	ISSUE: A
--	----------------	--------------------	-------------

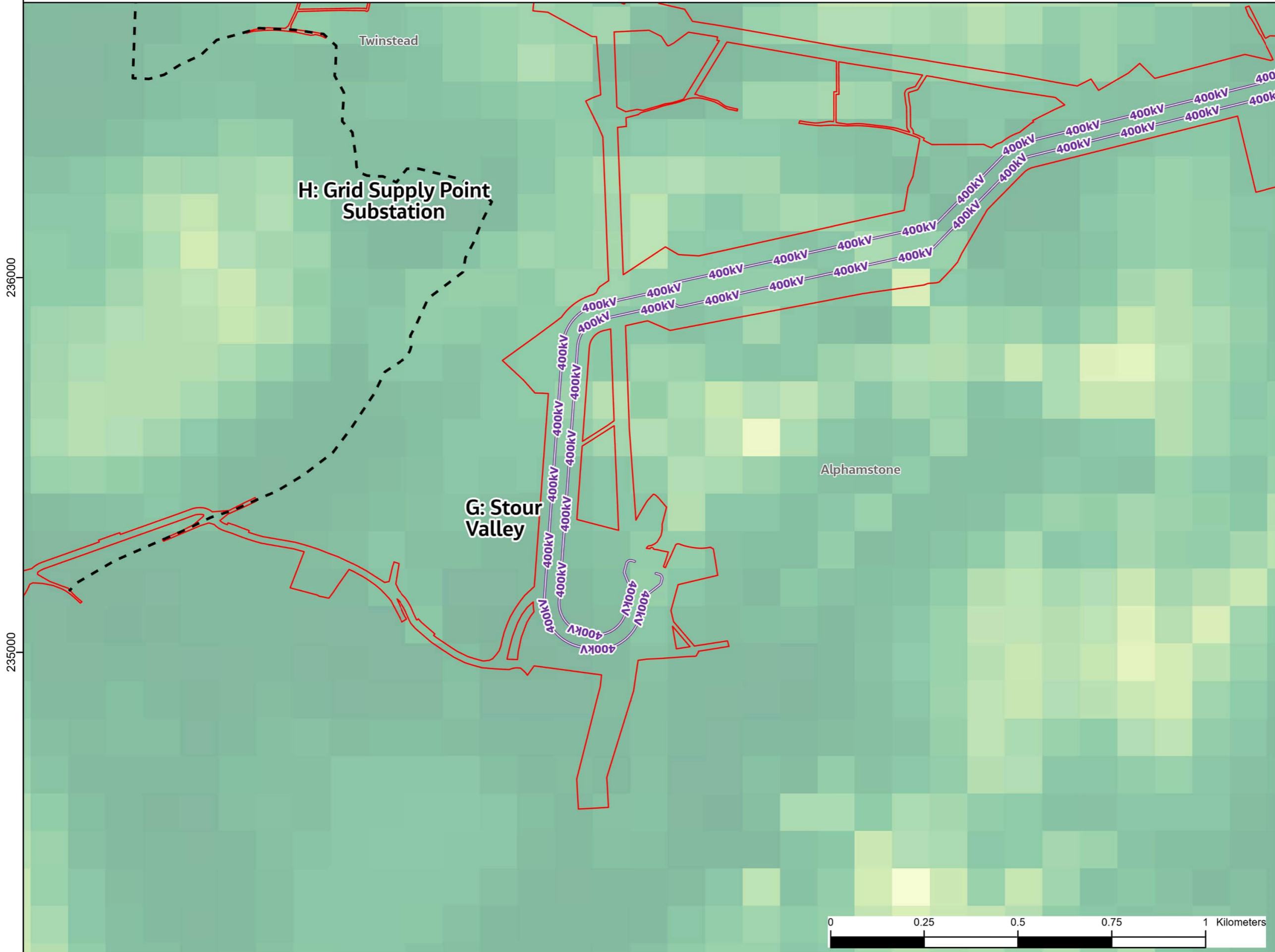
SCALE: 1:10000



586000 587000 588000 589000



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.

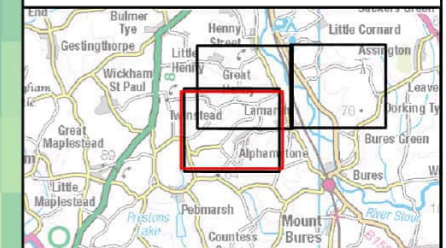


Legend

- Section boundaries
- Order Limits
- Proposed 400kV underground cable

Habitat suitability model
 Leisler's

High: 1
 Low: 0



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	GW	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**



TITLE: **Figure 7.7.12
 Habitat Suitability Model For
 Leisler's Bat Species**

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

ORIGINATOR DRAWING NO. **AAA_BTT_BatsFR_Fig7_7_12bod_Rev01_Leisler** A3

NG DRAWING No. BT-JAC-020631-500-0136	SHEET NO. 5	NO. OF SHEETS 5	ISSUE: A
SCALE: 1:10000			



586000

587000

588000

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