

BT-NG-020621-545-0175

# Bramford to Twinstead Reinforcement

Volume 6: Environmental Information

Document 6.4.3: Environmental Statement  
Figures (Part 3)

Final Issue A  
April 2023

Planning Inspectorate Reference: EN020002

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



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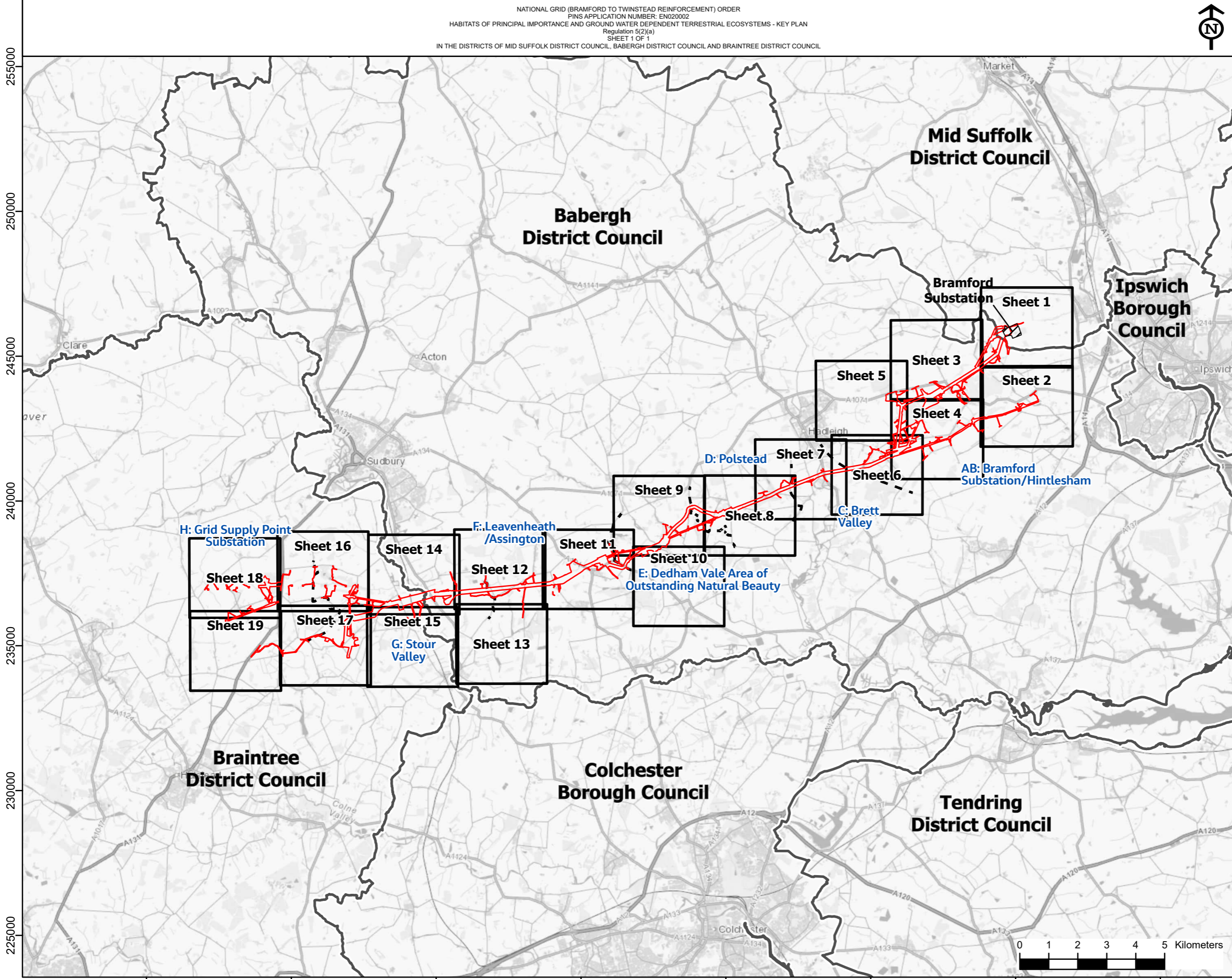
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- Section boundaries
- Order limits
- ▭ Local authority districts
- ▨ Existing Bramford Substation



NG Investment No. ETX/01142


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ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

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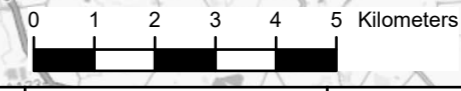


TITLE: Figure 7.1.3  
 Habitats of Principal Importance and Ground Water Dependent Terrestrial Ecosystems - Key Plan

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

ORIGINATOR DRAWING NO.  
 AAA\_BTT\_HabitatsFR\_Fig7\_1.3\_Rev01\_KeyPlan

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**AB: Bramford  
 Substation/Hintlesham**

Bramford

Burstall Hill

Burstall

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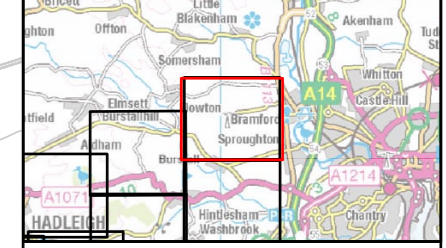
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- Section boundaries
- Order Limits
- Study area (1km)
- Ground Water Dependent Terrestrial Ecosystem - Study Locations
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- Coastal and Floodplain Grazing Marsh
- Lowland Dry Acid Grassland
- Lowland Meadows
- Lowland Fens
- Deciduous Woodland
- Traditional Orchard
- Purple moor grass and rush pastures
- Field Study*
- Arable field margins
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- Lowland Fens
- Lowland mixed deciduous woodland
- Mesotrophic lakes
- Open mosaic on previously developed land
- Ponds
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- Wet woodland

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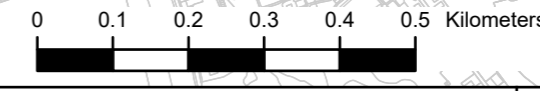


TITLE: **Figure 7.1.3  
 Habitats of Principal Importance and  
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CIRCUIT / SITE : **Bramford – Pelham & Bramford  
 – Braintree – Bulls Lodge** GIS

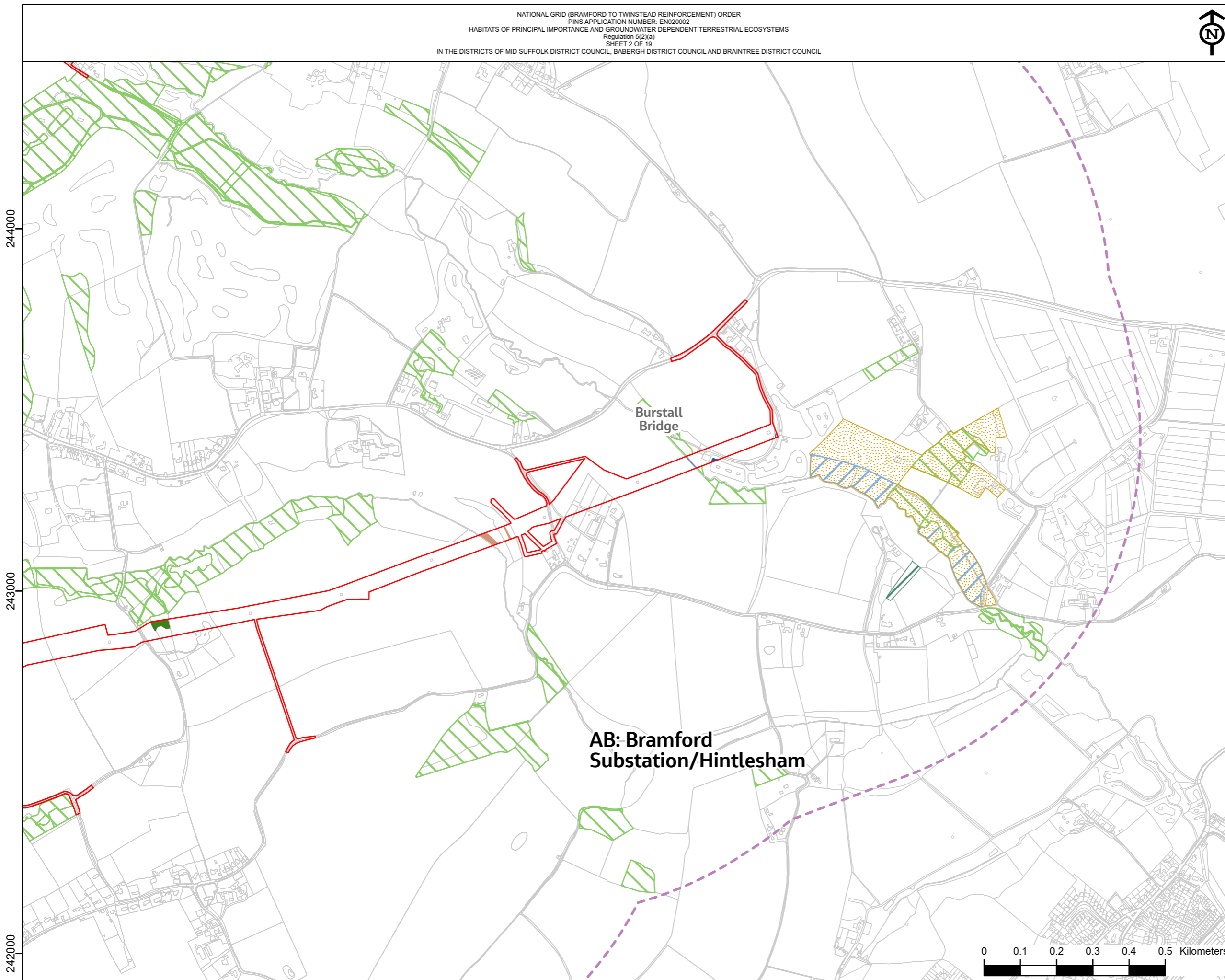
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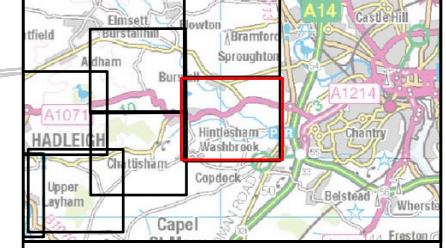


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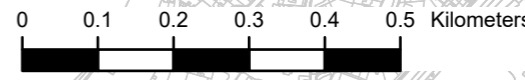


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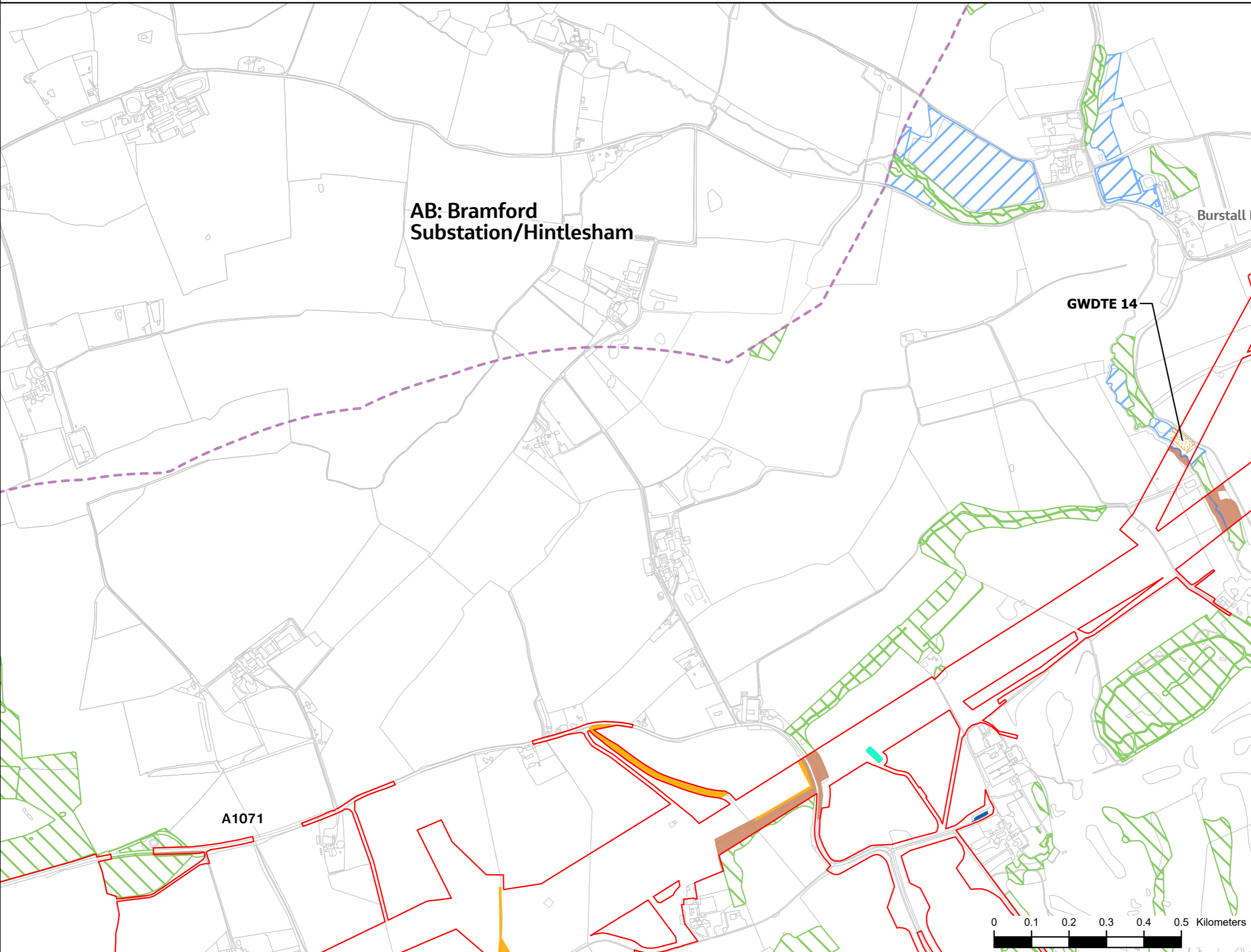
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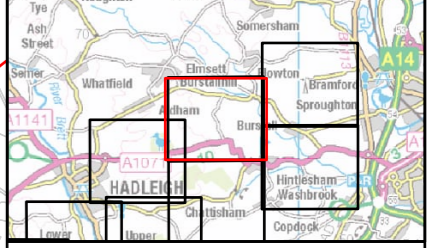
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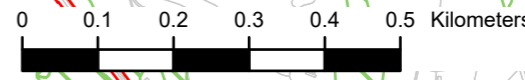


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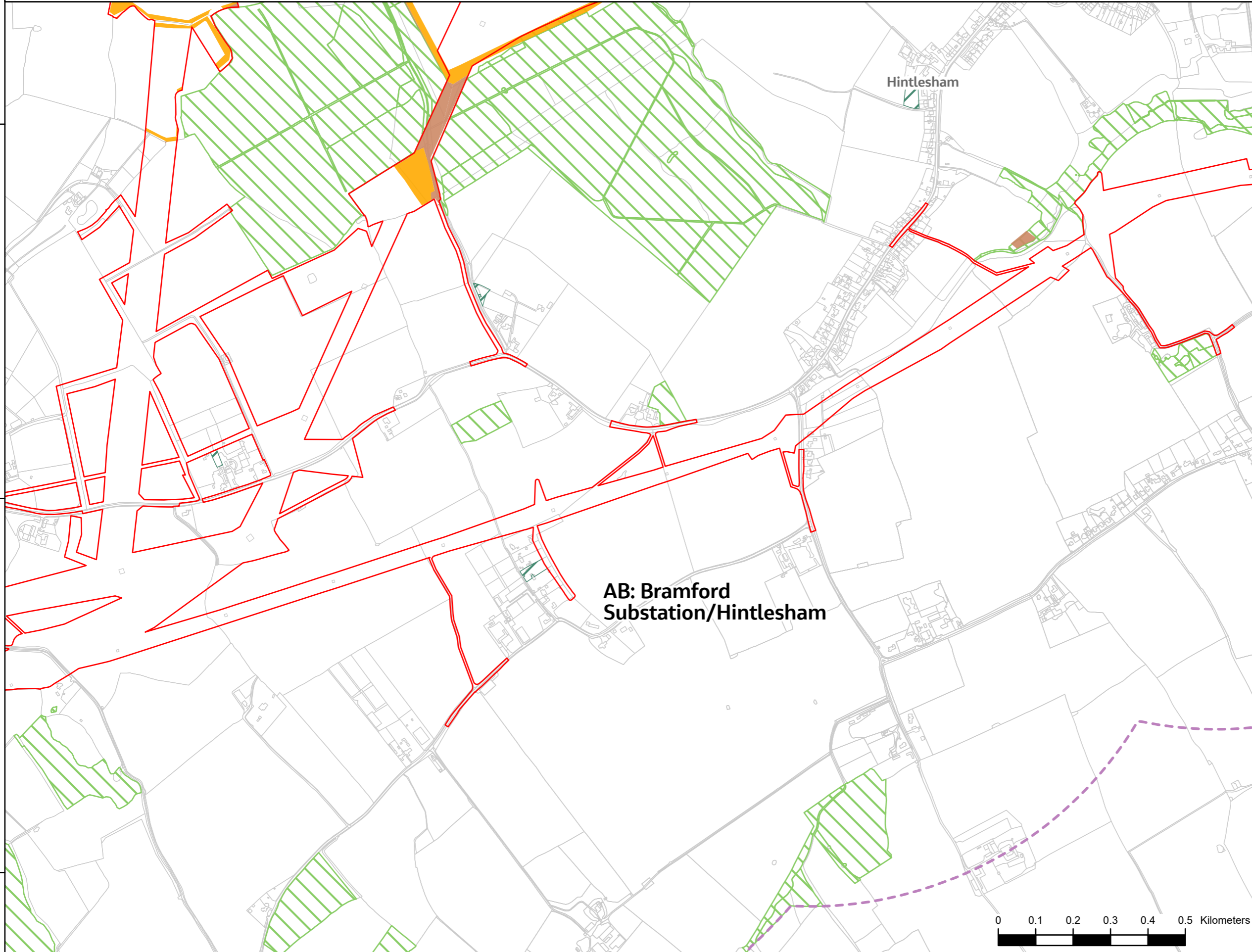
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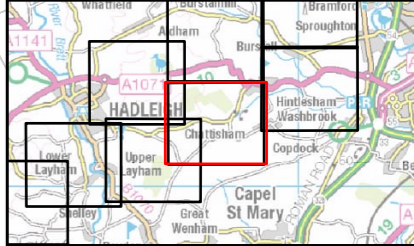
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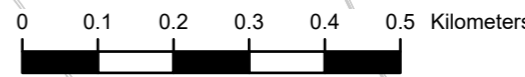
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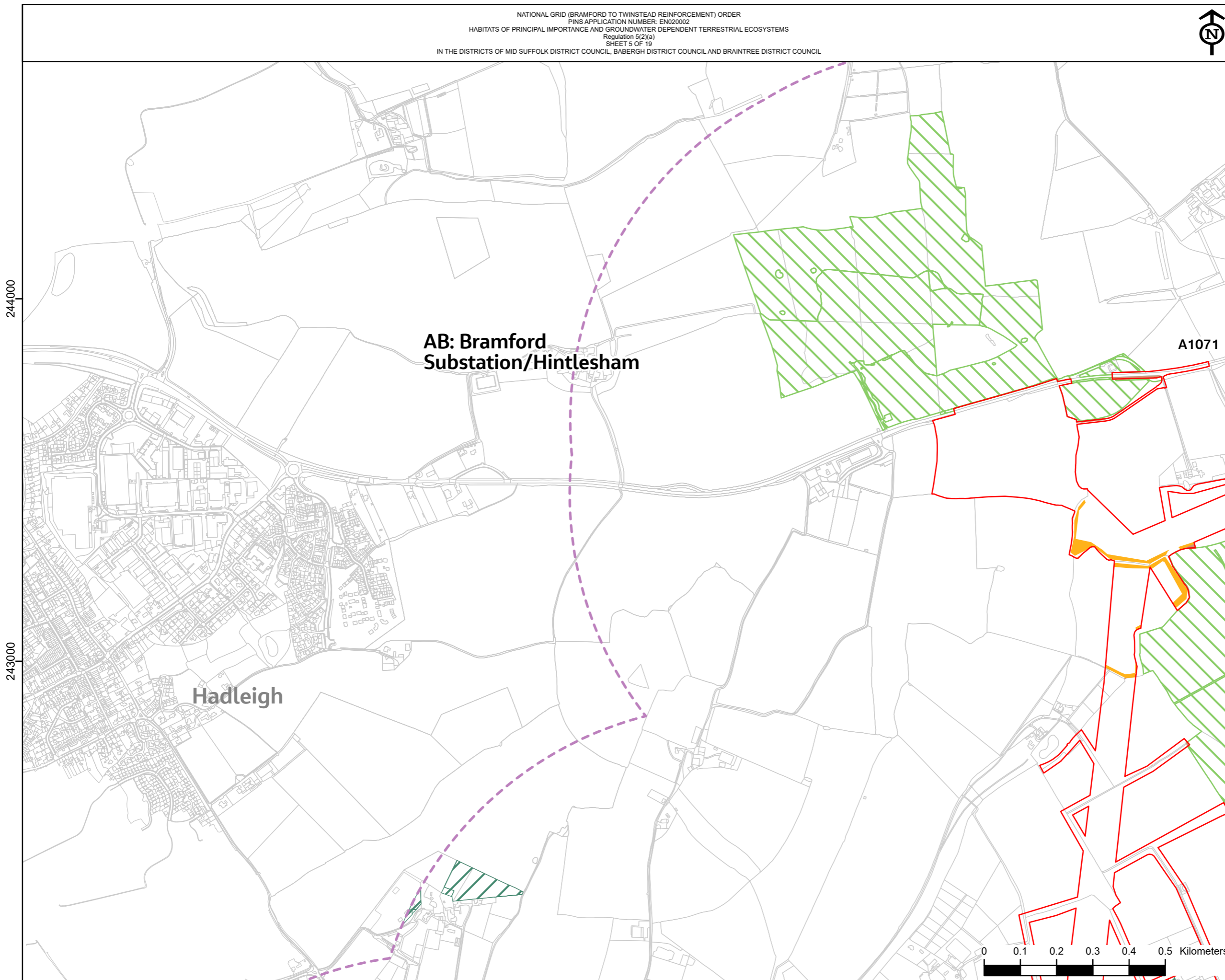
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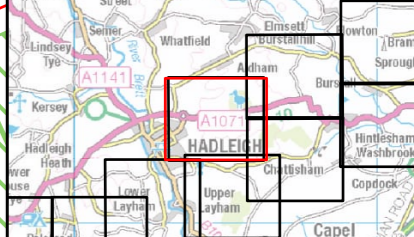


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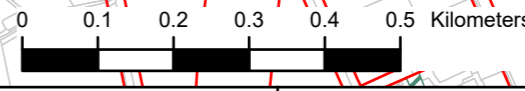


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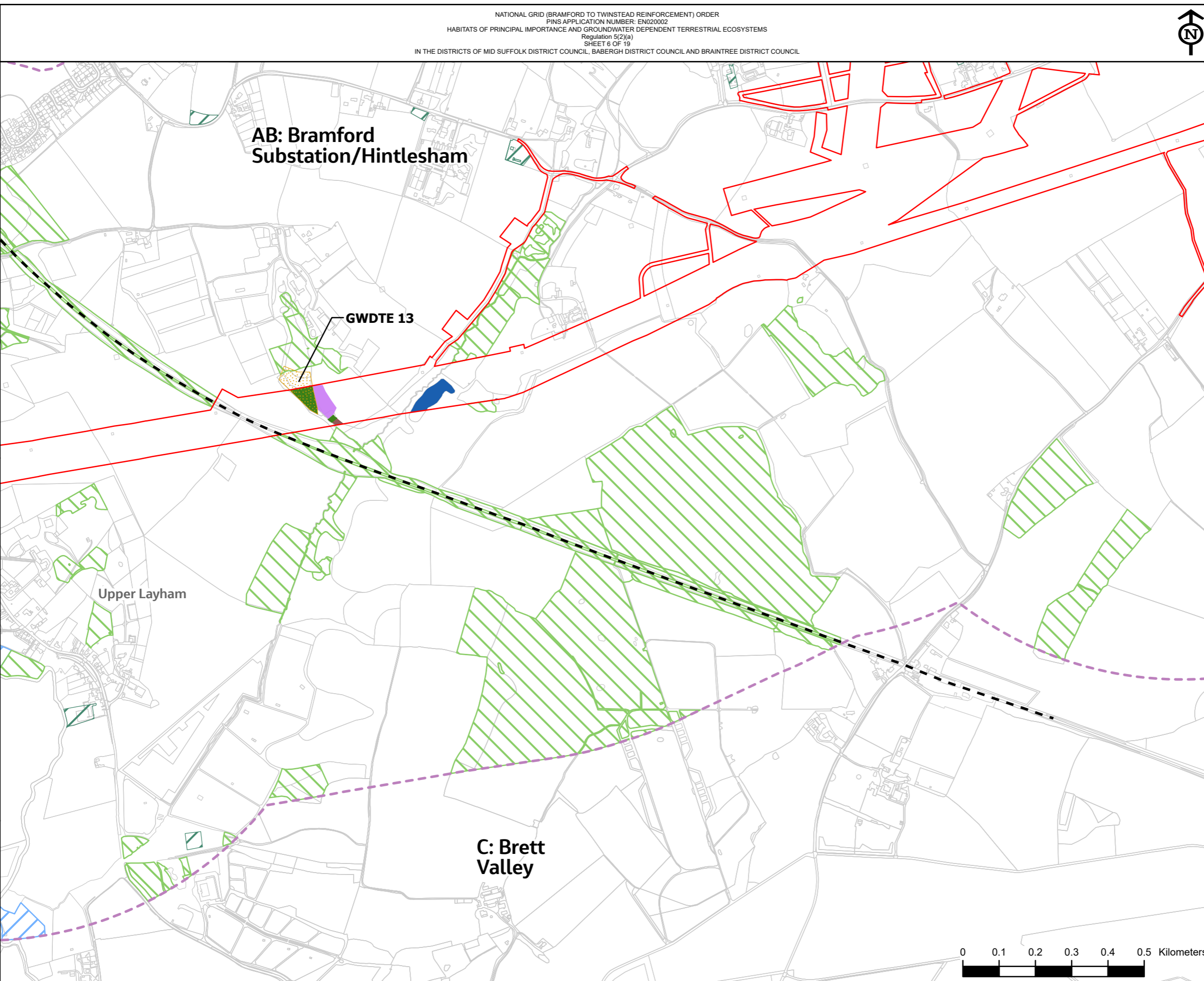
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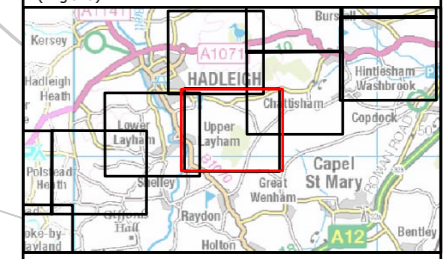
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**Upper Layham**

**C: Brett Valley**

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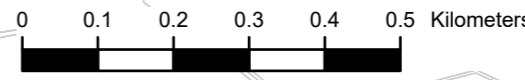
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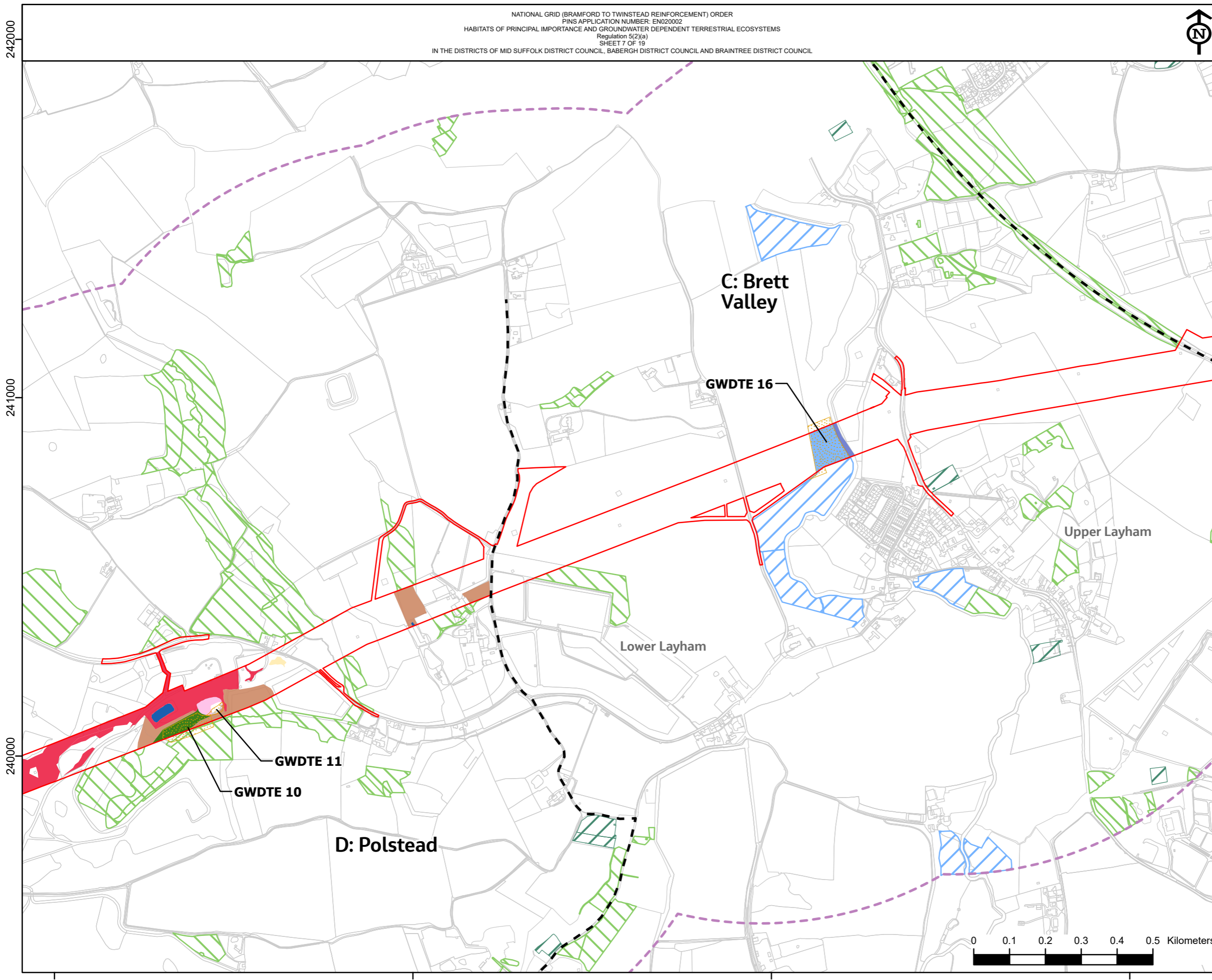
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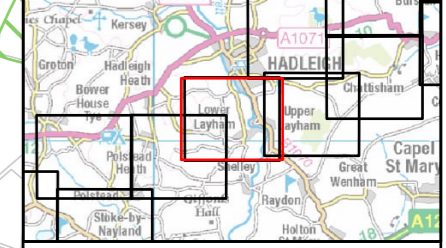


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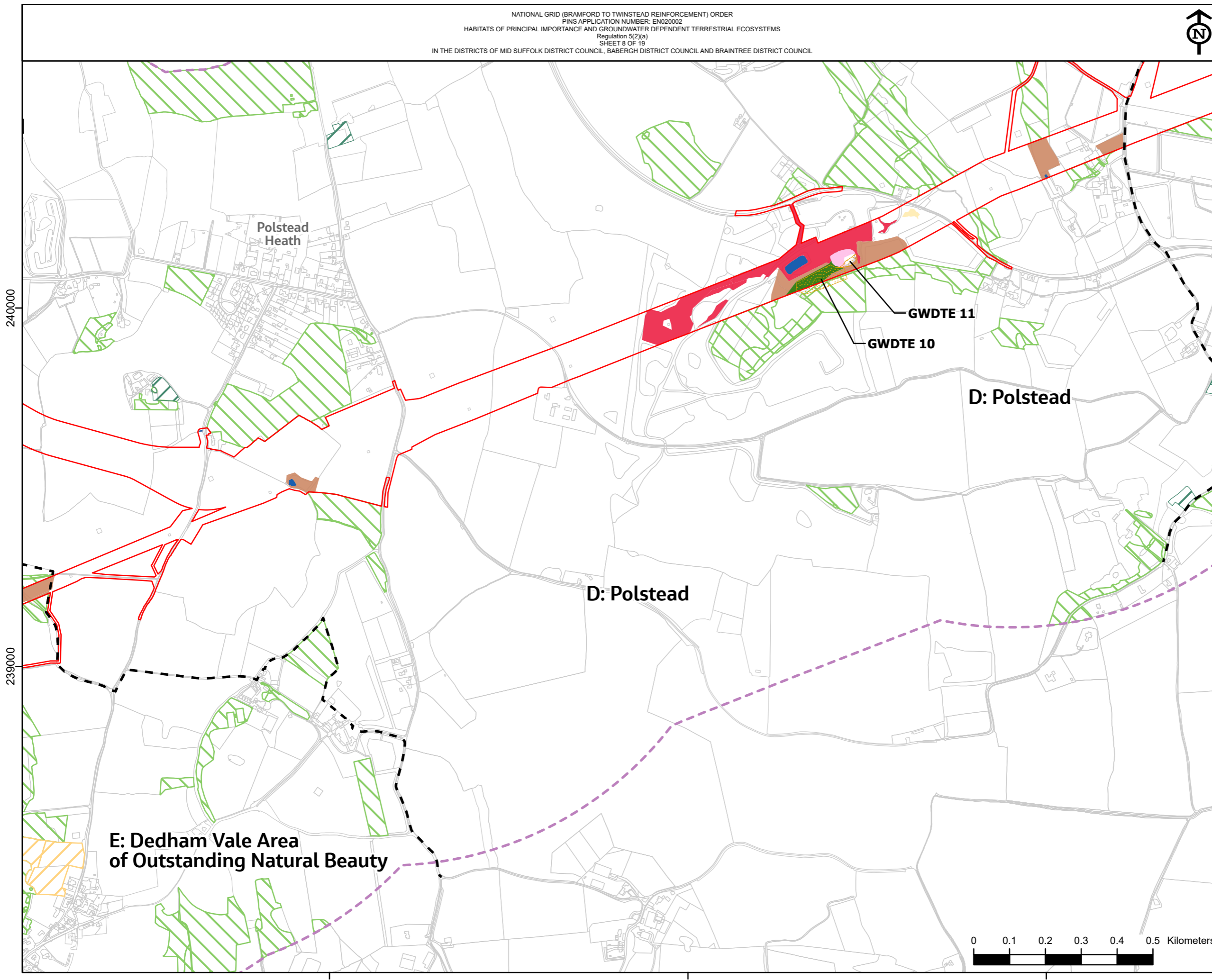
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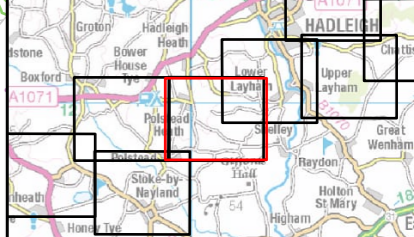


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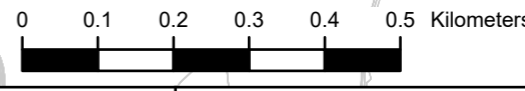


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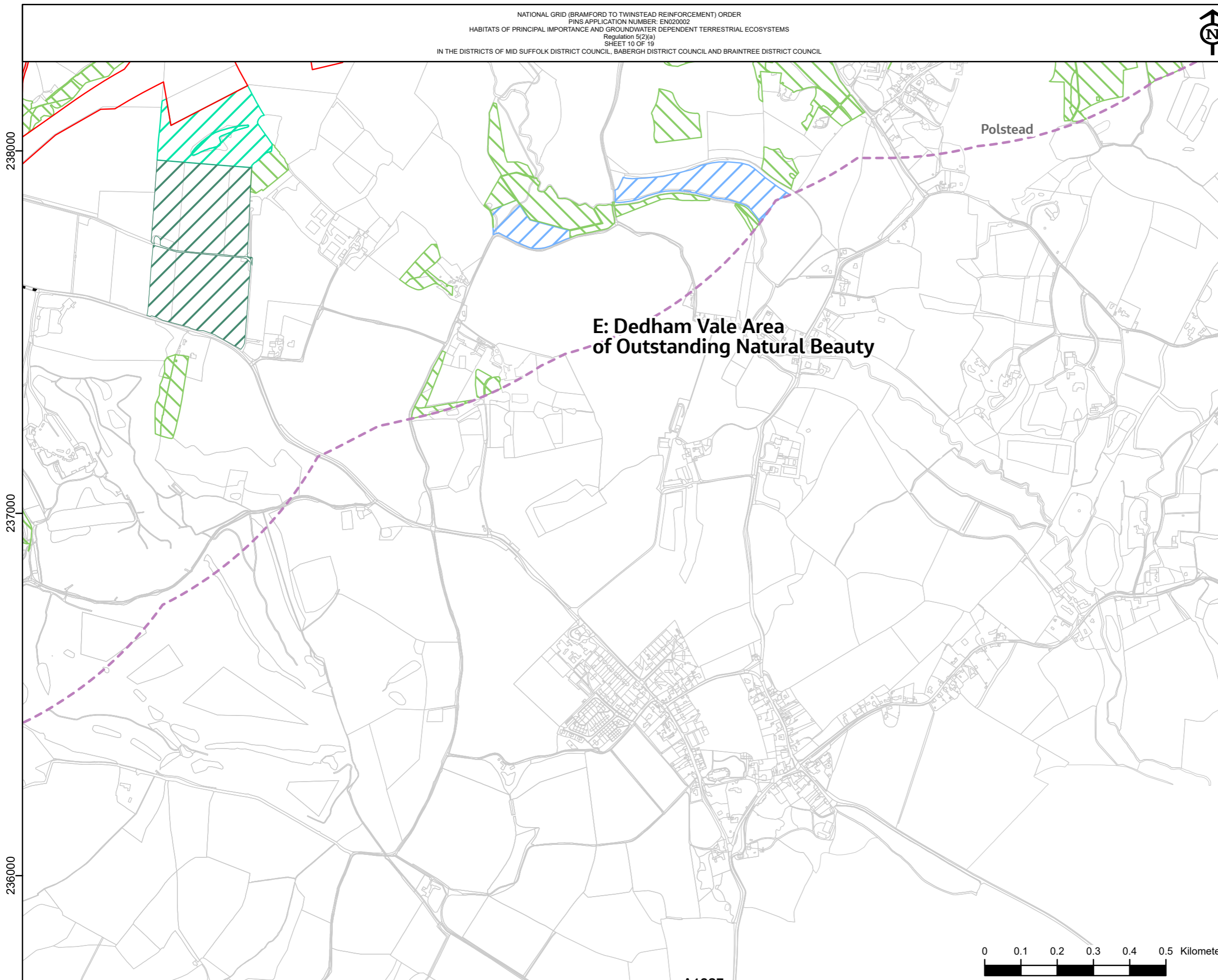
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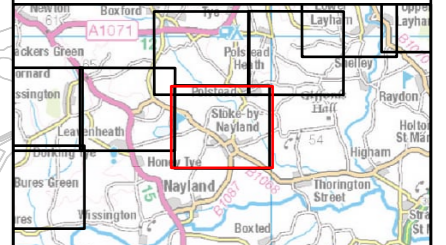


Polstead

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

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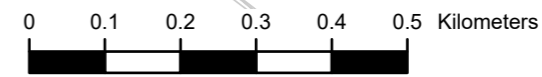
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 AAA\_BTT\_HabitatsFR\_Fig7\_1\_3\_Rev01 **A3**

NG DRAWING No. BT-JAC-020631-500-0019	SHEET NO. <b>10</b>	NO. OF SHEETS <b>19</b>	ISSUE: <b>A</b>
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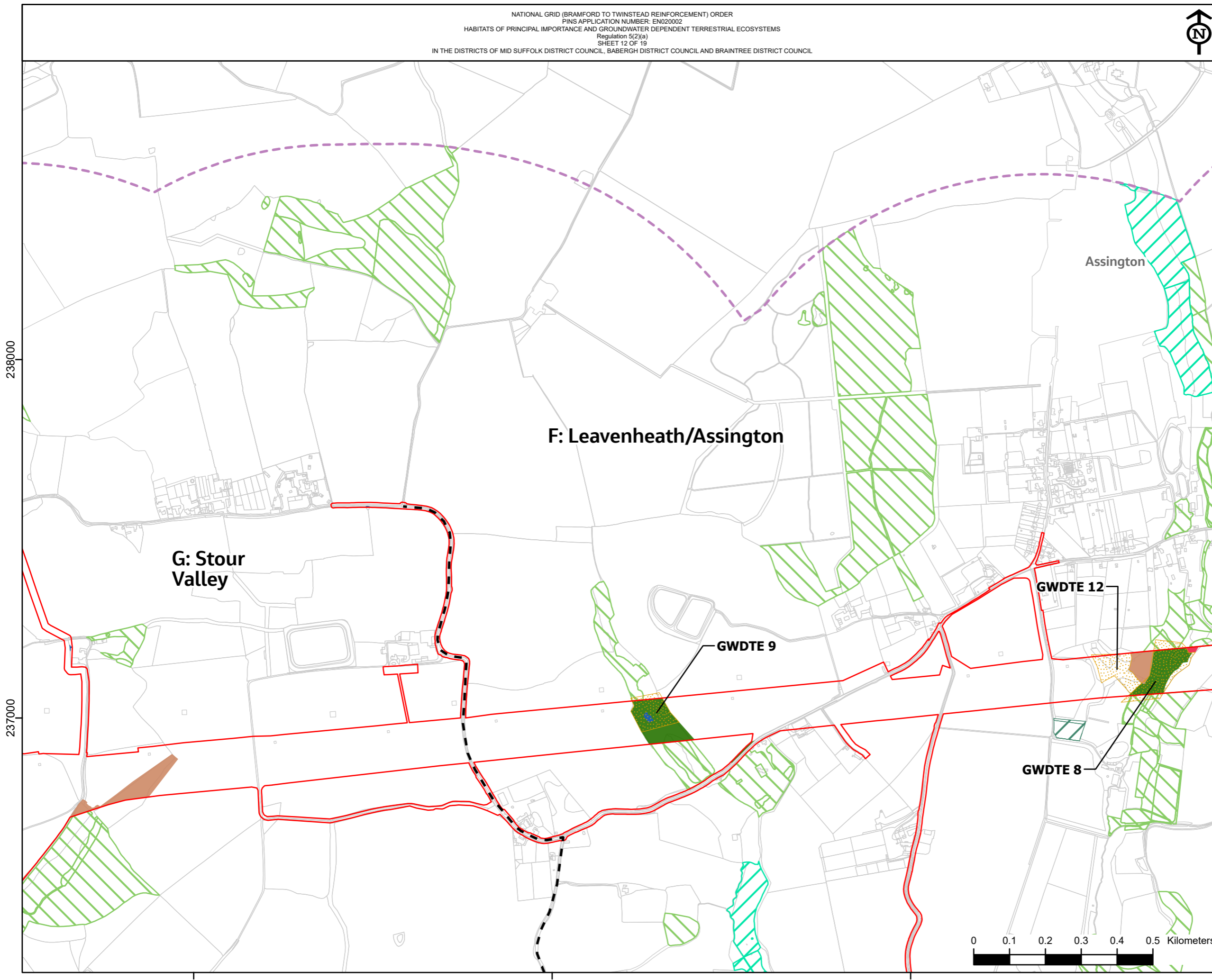
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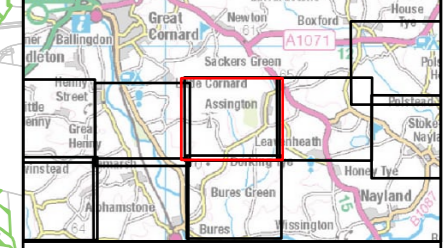


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- Section boundaries
- ▭ Order Limits
- - - Study area (1km)
- ▨ Ground Water Dependent Terrestrial Ecosystem - Study Locations
- Habitats of Principal Importance**
- Desk Study*
- ▨ Coastal and Floodplain Grazing Marsh
- ▨ Lowland Dry Acid Grassland
- ▨ Lowland Meadows
- ▨ Lowland Fens
- ▨ Deciduous Woodland
- ▨ Traditional Orchard
- ▨ Purple moor grass and rush pastures
- Field Study*
- ▨ Arable field margins
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NG Investment No. ETX/01142

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ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**



TITLE: **Figure 7.1.3  
 Habitats of Principal Importance and  
 Ground Water Dependent Terrestrial  
 Ecosystems**

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

ORIGINATOR DRAWING NO.  
 AAA\_BTT\_HabitatsFR\_Fig7\_1\_3\_Rev01

NG DRAWING No. BT-JAC-020631-500-0019	SHEET NO. <b>12</b>	NO. OF SHEETS <b>19</b>	ISSUE: <b>A</b>
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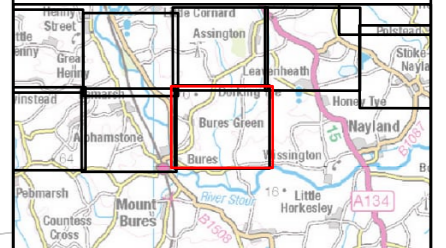
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**G: Stour Valley**

**F: Leavenheath/Assington**

- Section boundaries
- Order Limits
- - - Study area (1km)
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PROJECT: **Bramford to Twinstead Reinforcement**



TITLE: **Figure 7.1.3  
 Habitats of Principal Importance and  
 Ground Water Dependent Terrestrial  
 Ecosystems**

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

ORIGINATOR DRAWING NO. **AAA\_BTT\_HabitatsFR\_Fig7\_1\_3\_Rev01** **A3**

NG DRAWING No. **BT-JAC-020631-500-0019** SHEET NO. **13** NO. OF SHEETS **19** ISSUE: **A**



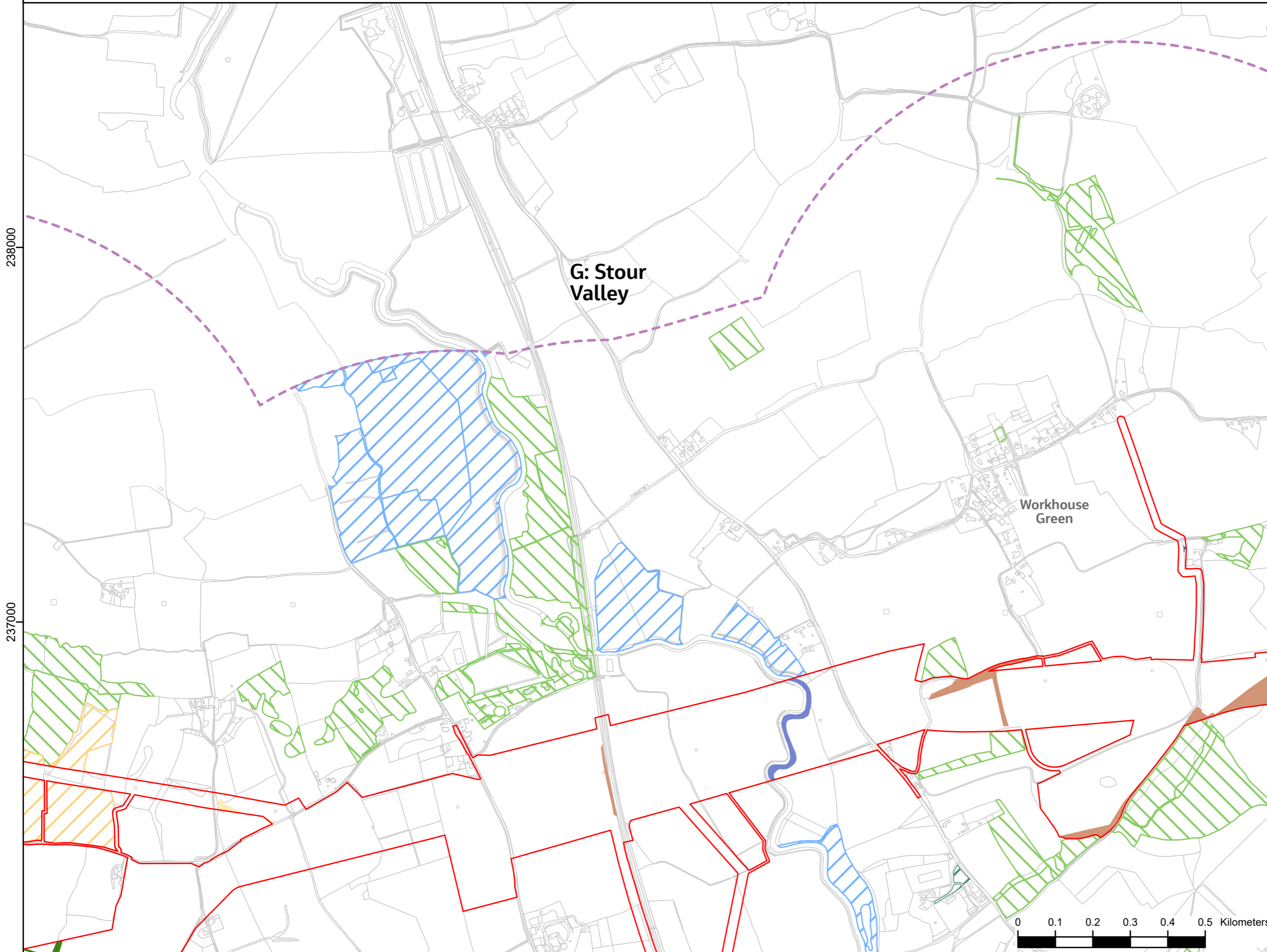
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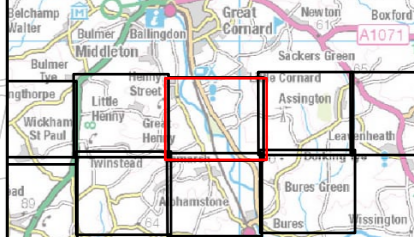


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PROJECT: **Bramford to Twinstead Reinforcement**



TITLE: **Figure 7.1.3  
 Habitats of Principal Importance and  
 Ground Water Dependent Terrestrial  
 Ecosystems**

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

ORIGINATOR DRAWING NO.  
 AAA\_BTT\_HabitatsFR\_Fig7.1.3\_Rev01

NG DRAWING No. BT-JAC-020631-500-0019	SHEET NO. 14	NO. OF SHEETS 19	ISSUE: A
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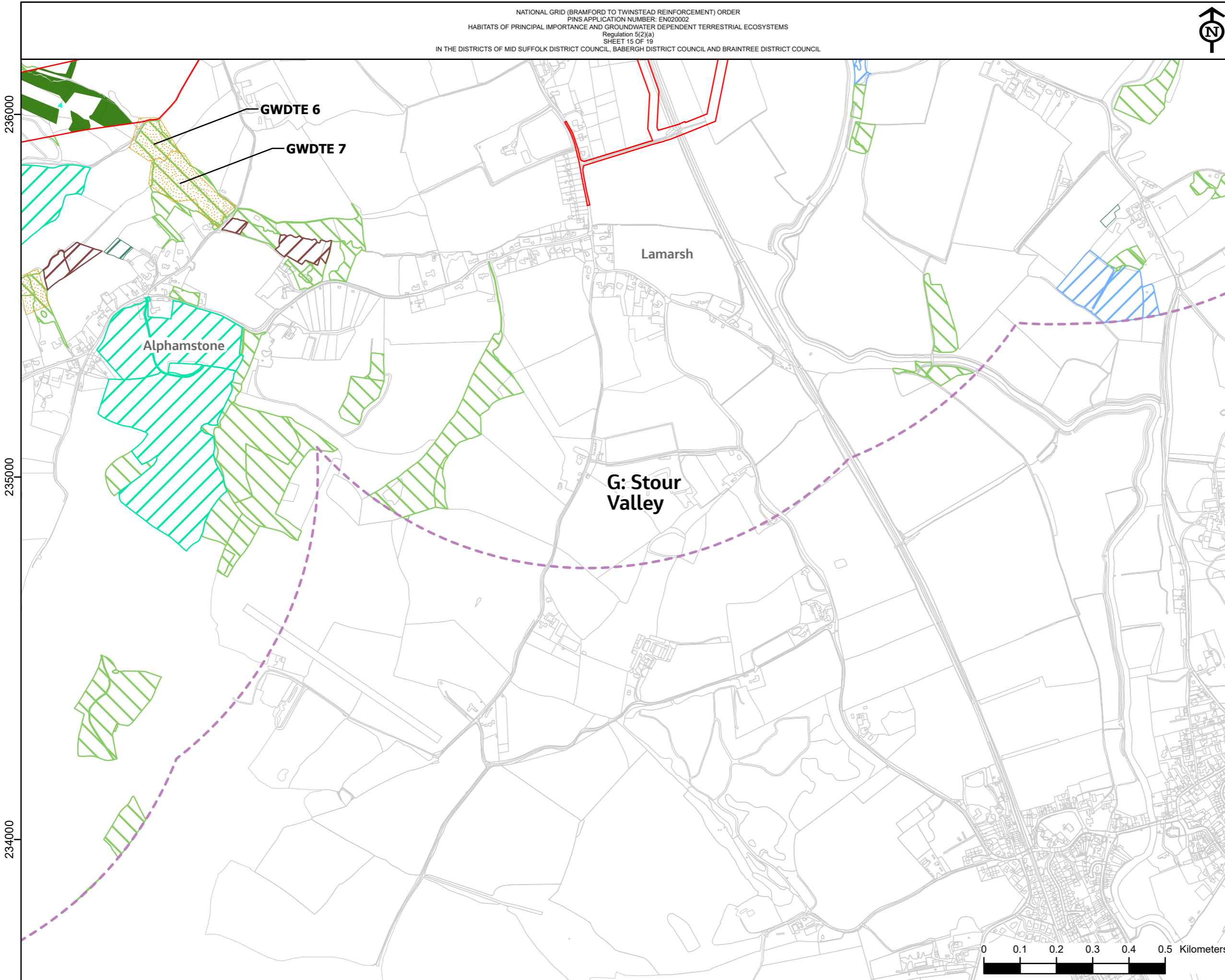
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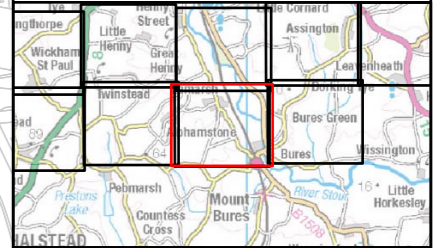


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- Section boundaries
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PROJECT: **Bramford to Twinstead Reinforcement**

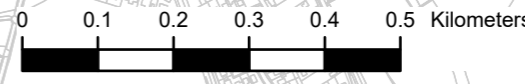


TITLE: **Figure 7.1.3  
 Habitats of Principal Importance and  
 Ground Water Dependent Terrestrial  
 Ecosystems**

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

ORIGINATOR DRAWING NO. **AAA\_BTT\_HabitatsFR\_Fig7.1.3\_Rev01** **A3**

NG DRAWING No. **BT-JAC-020631-500-0019** SHEET NO. **15** NO. OF SHEETS **19** ISSUE: **A**



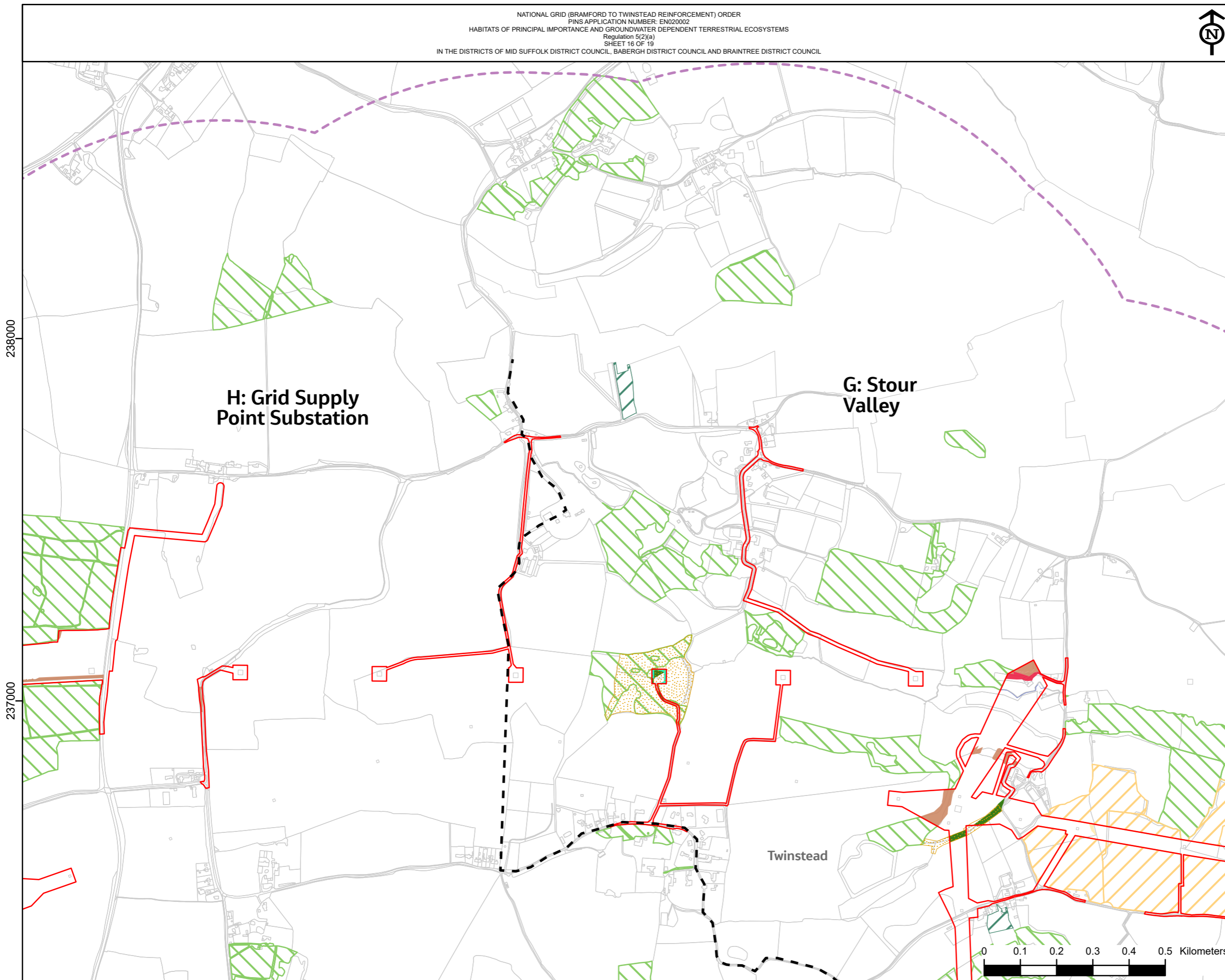
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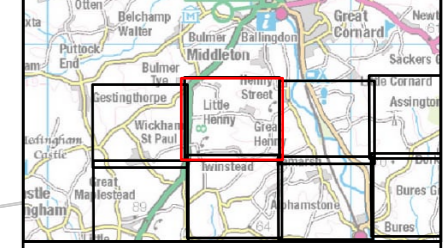


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TITLE: **Figure 7.1.3  
 Habitats of Principal Importance and  
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CIRCUIT / SITE :  
**Bramford – Pelham & Bramford  
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ORIGINATOR DRAWING NO.  
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NG DRAWING No. BT-JAC-020631-500-0019	SHEET NO. 16	NO. OF SHEETS 19	ISSUE: A
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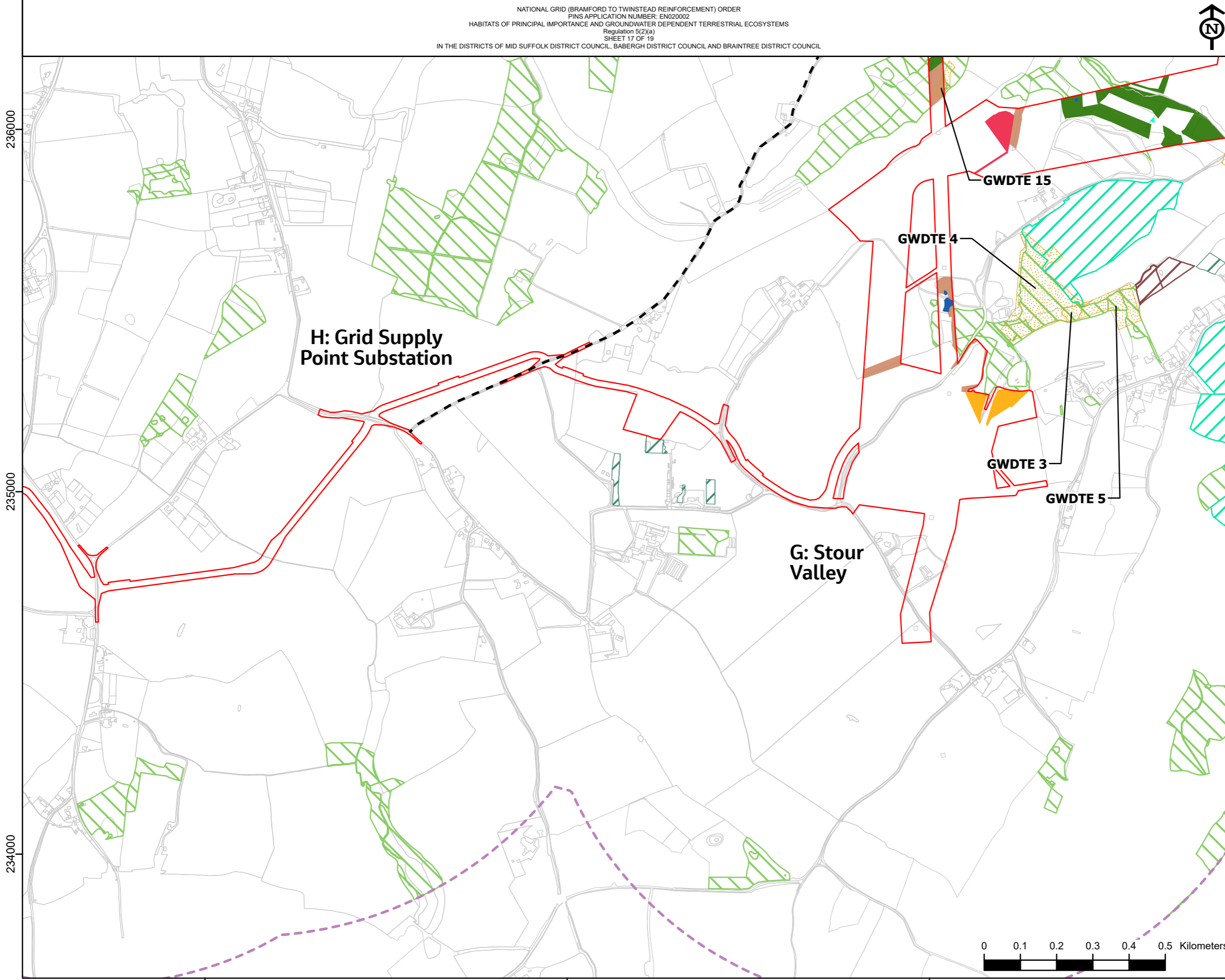
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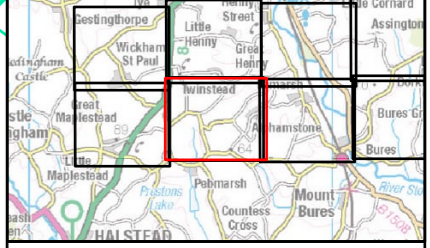


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PROJECT: **Bramford to Twinstead Reinforcement**



TITLE: **Figure 7.1.3  
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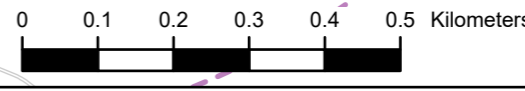
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 – Braintree – Bulls Lodge**

ORIGINATOR DRAWING NO.  
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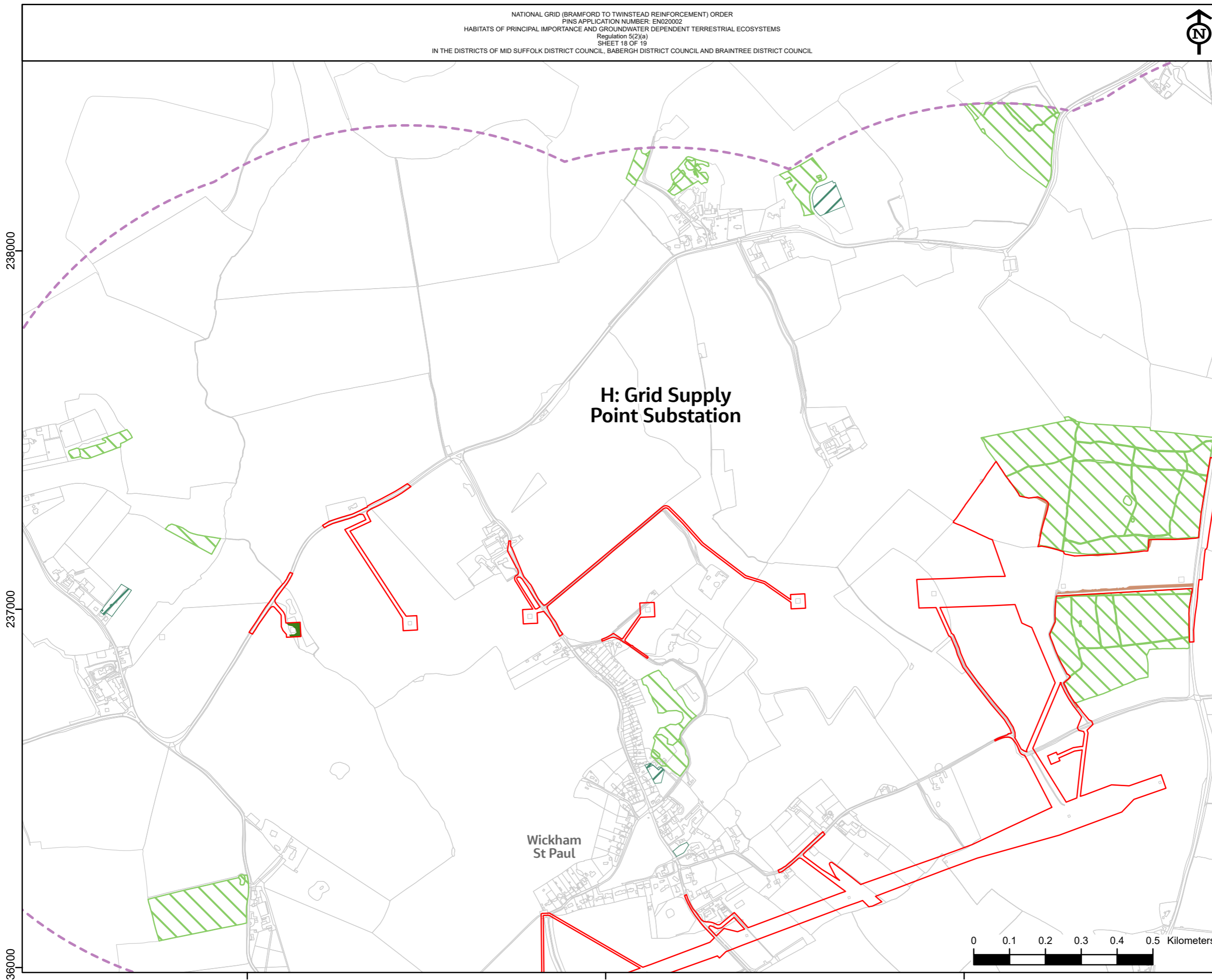
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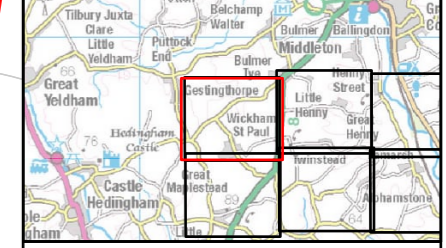


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ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**

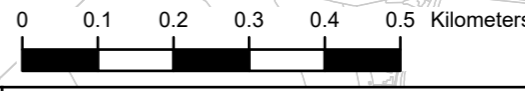


TITLE: **Figure 7.1.3  
 Habitats of Principal Importance and  
 Ground Water Dependent Terrestrial  
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CIRCUIT / SITE :  
**Bramford – Pelham & Bramford  
 – Braintree – Bulls Lodge**

ORIGINATOR DRAWING NO.  
 AAA\_BTT\_HabitatsFR\_Fig7.1.3\_Rev01

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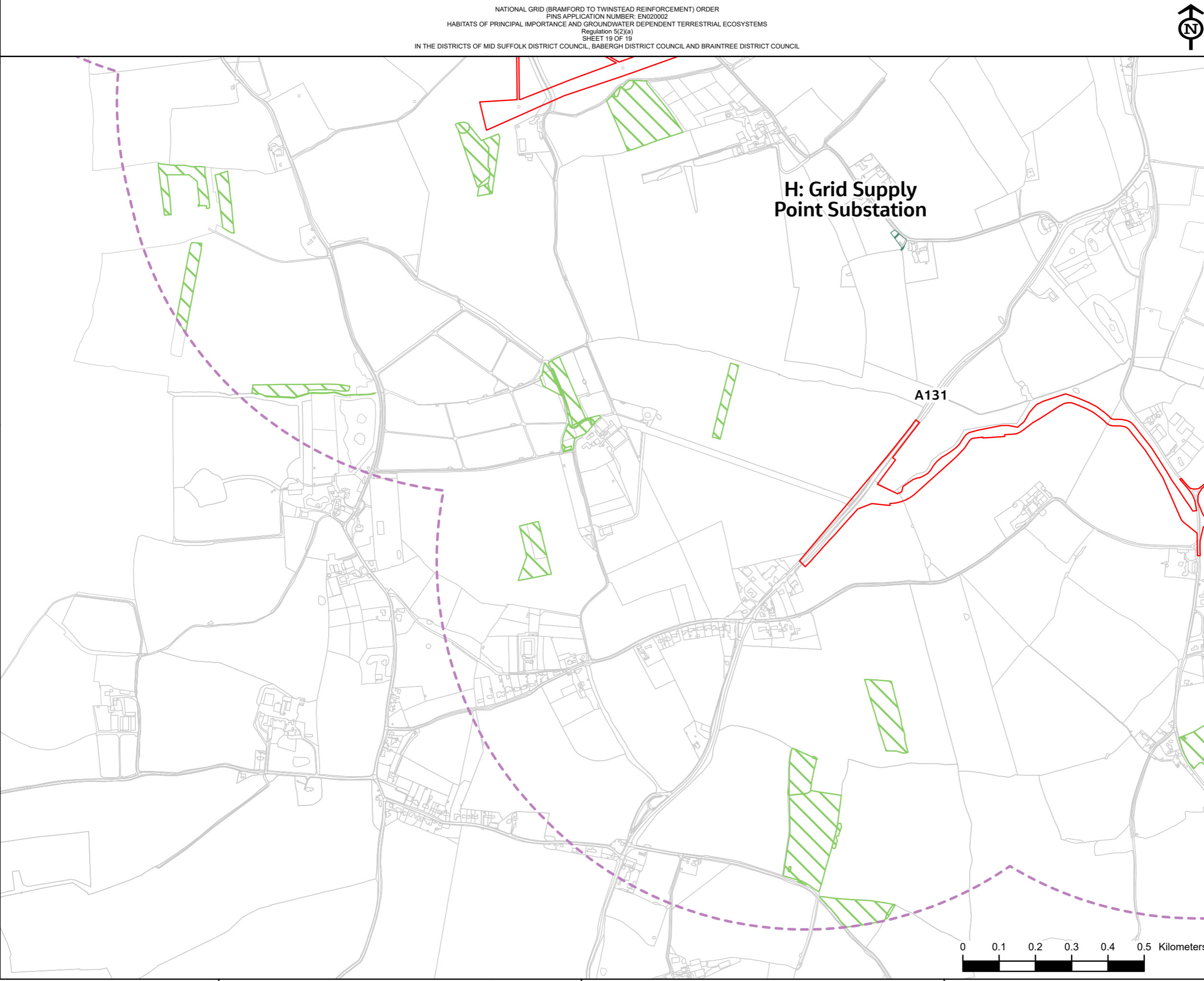


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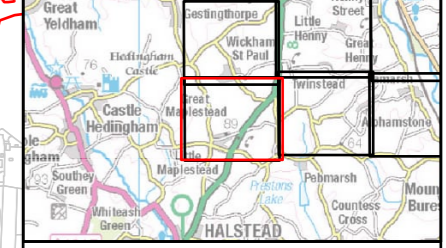


**H: Grid Supply Point Substation**

A131

- Section boundaries
- ▭ Order Limits
- - - Study area (1km)
- ▨ Ground Water Dependent Terrestrial Ecosystem - Study Locations
- Habitats of Principal Importance**
- Desk Study*
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A	04/2023	Rev A for DCO Application	PM	LG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**

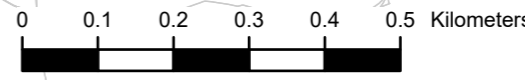


TITLE: **Figure 7.1.3  
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CIRCUIT / SITE :  
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ORIGINATOR DRAWING NO.  
 AAA\_BTT\_HabitatsFR\_Fig7.1.3\_Rev01

NG DRAWING No. BT-JAC-020631-500-0019	SHEET NO. 19	NO. OF SHEETS 19	ISSUE: A
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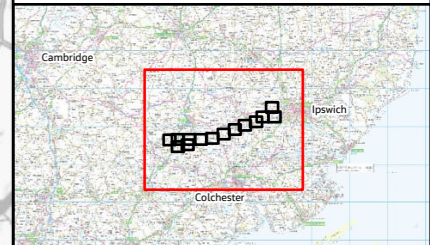
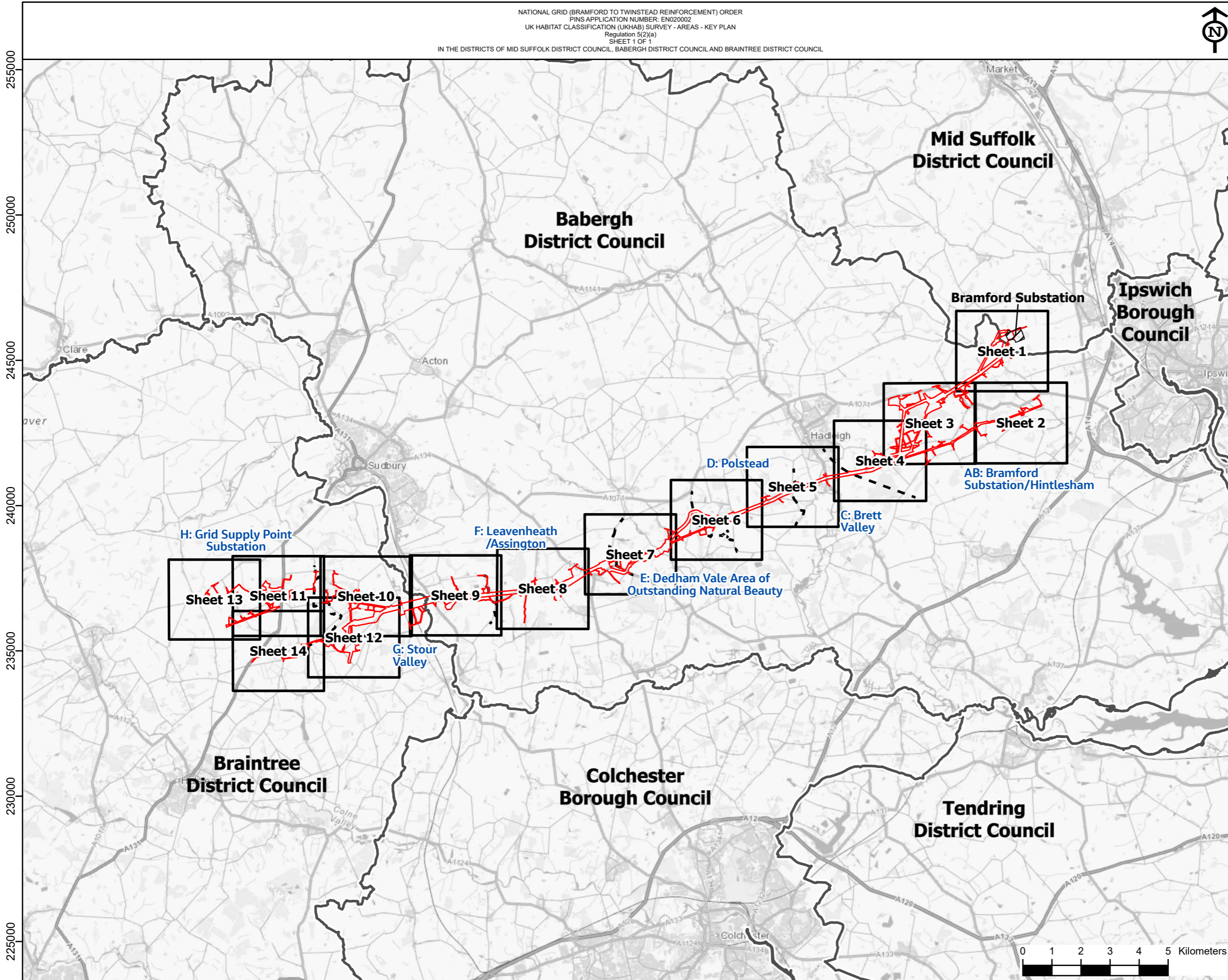
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- Section boundaries
- Order limits
- ▭ Local authority districts
- ▨ Existing Bramford Substation



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A	04/2023	Rev A for DCO Application	PM	LG	CW
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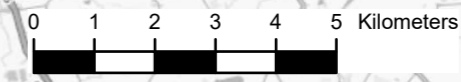


TITLE: Figure 7.1.4 UK Habitat Classification (UKHab) Survey - Areas - Key Plan

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

ORIGINATOR DRAWING NO.  
 AAA\_BTT\_HabitatsFR\_Fig7\_1.4\_Rev01\_KeyPlan

NG DRAWING No. BT-JAC-020631-500-0020	SHEET NO. 1	NO. OF SHEETS 1	ISSUE: A
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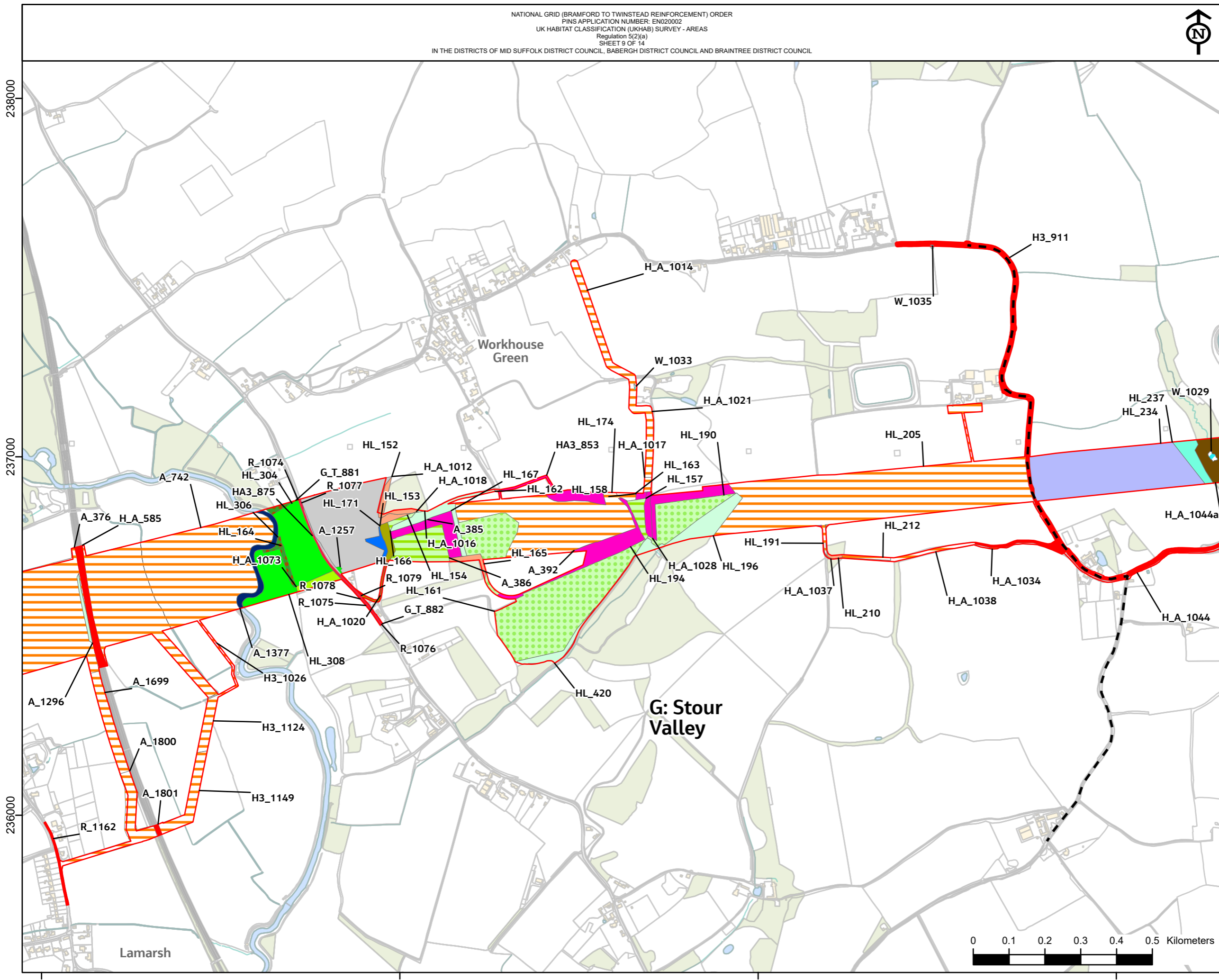




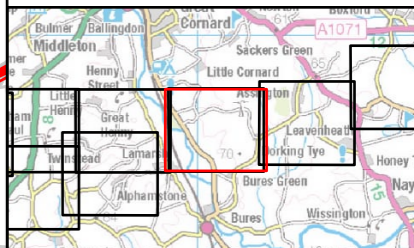




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- Section boundaries
- ▭ Order Limits
- UK Habitats Classification Survey
- c1a5 - Arable margins sown with tussocky grasses
- c1a7 - Arable margins cultivated annually with an annual flora
- c1c - cereal crops
- c1c5 - Winter stubble
- c1c6 - Game bird mix fields
- c1d8 - Other non-cereal crops
- g3c - other neutral grassland
- g3c5 - Arrhenatherum neutral grassland
- g4 - modified grassland
- h3h - Mixed scrub
- r - rivers and lakes
- r1 - standing open water and canals
- r2a - Rivers (priority habitat)
- u - urban
- u1e - built linear features
- w1d5 - Alder woodland on floodplains (H91E0)
- w1f7 - Other Lowland mixed deciduous woodland
- w1g - other woodland, broadleaved
- w1g7 - Other broadleaved woodland types
- w1h5 - Other woodland; mixed; mainly broadleaved



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

PROJECT: Bramford to Twinstead Reinforcement

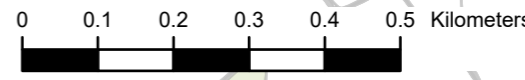


TITLE: Figure 7.1.4  
 UK Habitat Classification (UKHab) Survey - Areas

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

ORIGINATOR DRAWING NO. AAA\_BTT\_HabitatsFR\_Fig7.1.4\_Rev01

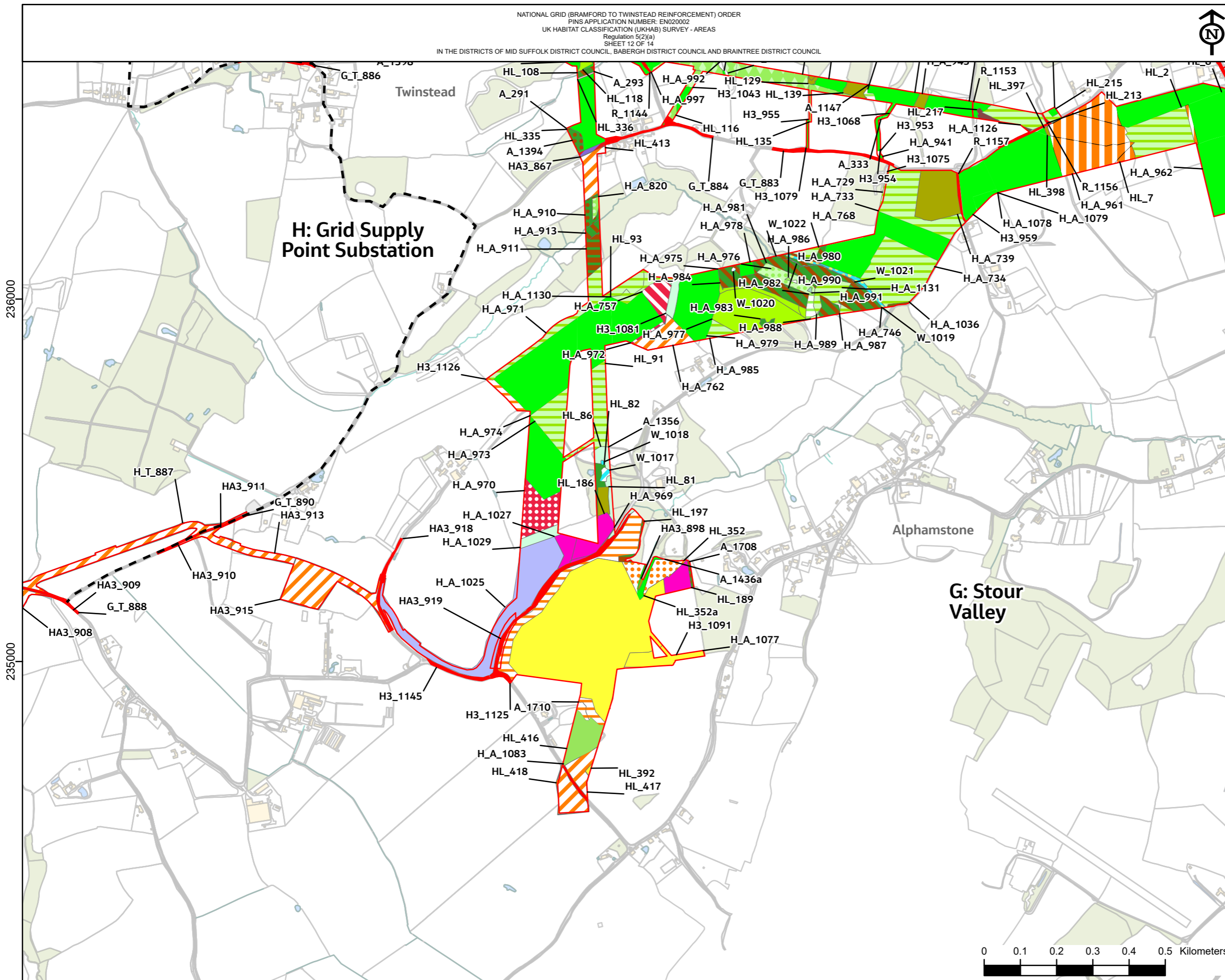
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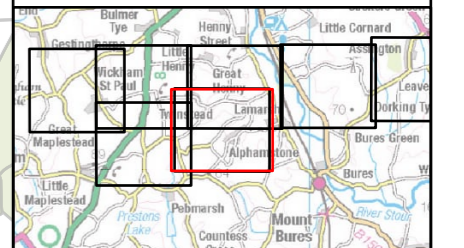




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- Section boundaries
- Order Limits
- UK Habitats Classification Survey
- c1 - arable and horticulture
- c1a - arable field margins
- c1b - temporary grass and clover leys
- c1c - cereal crops
- c1c5 - Winter stubble
- c1c6 - Game bird mix fields
- c1c7 - Other cereal crops
- c1d8 - Other non-cereal crops
- f2f - Other swamps
- g - grassland
- g1a - lowland dry acid grassland
- g1a6 - Other lowland dry acid grassland
- g1c - bracken
- g3c - other neutral grassland
- g3c5 - Arrhenatherum neutral grassland
- g3c6 - Lolium-Cynosurus neutral grassland
- g3c8 - Holcus-Juncus neutral grassland
- g4 - modified grassland
- h3 - dense scrub
- h3d - Bramble scrub
- h3h - Mixed scrub
- r - rivers and lakes
- r1 - standing open water and canals
- r1a6 - Other eutrophic standing waters
- r2 - rivers and lakes
- u1a - open mosaic habitats on previously developed land
- u1b - developed land, sealed surface
- u1c - artificial unvegetated unsealed surface
- u1e - built linear features
- w - woodland
- w1d - wet woodland
- w1f7 - lowland mixed deciduous woodland
- w1f7 - Other Lowland mixed deciduous woodland
- w1g - other woodland, broadleaved
- w1g7 - Other broadleaved woodland types



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ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**

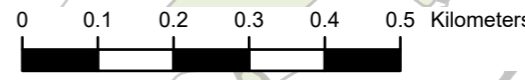
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TITLE: **Figure 7.1.4 UK Habitat Classification (UKHab) Survey - Areas**

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

ORIGINATOR DRAWING NO. **AAA\_BTT\_HabitatsFR\_Fig7\_1\_4\_Rev01** **A3**

NG DRAWING No. <b>BT-JAC-020631-500-0020</b>	SHEET NO. <b>12</b>	NO. OF SHEETS <b>14</b>	ISSUE: <b>A</b>
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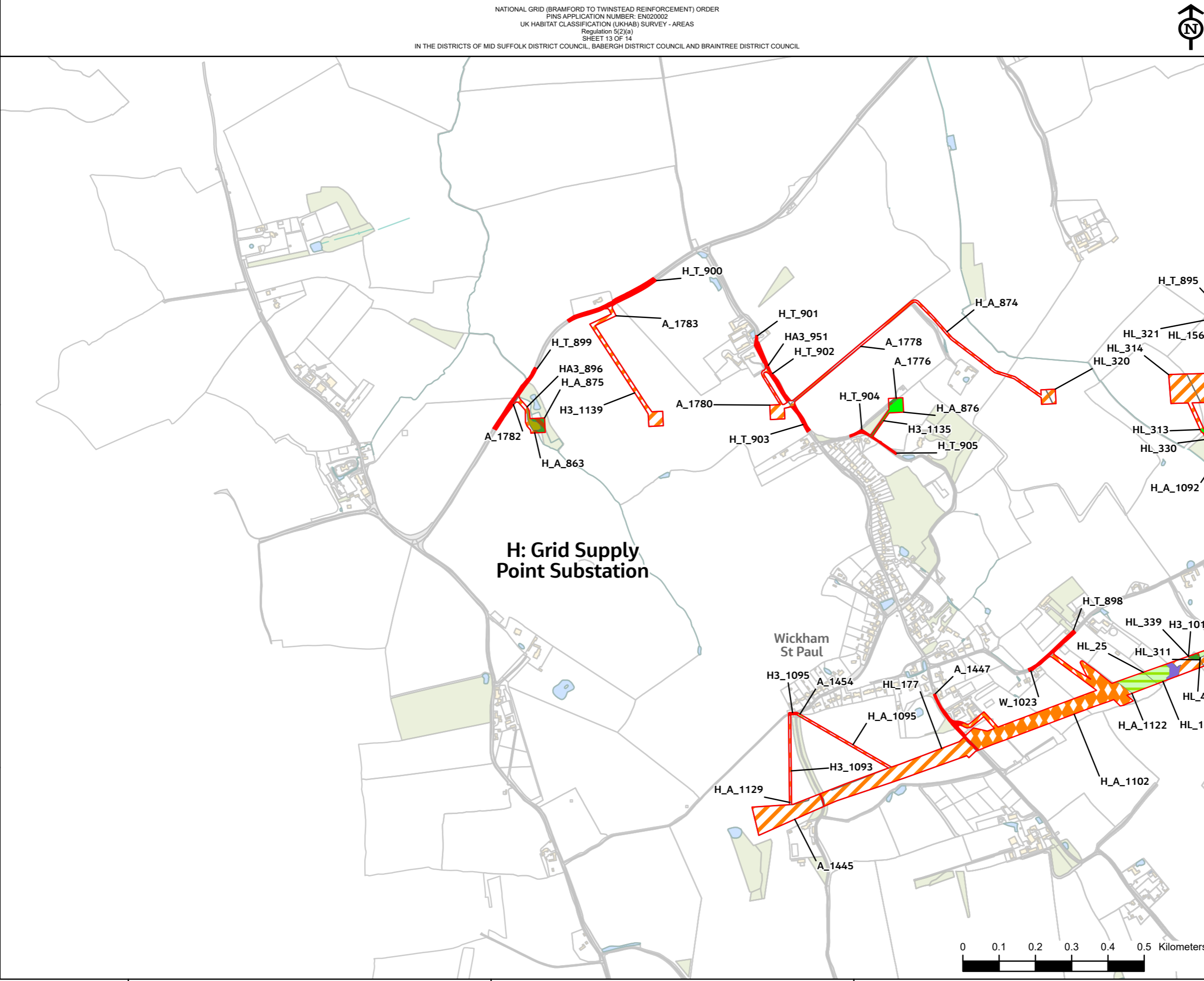


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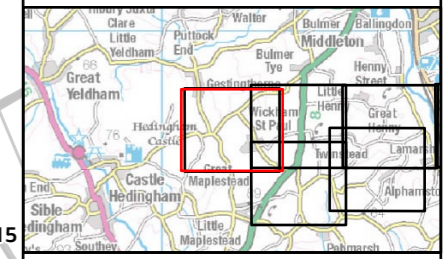
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- Section boundaries
- Order Limits
- UK Habitats Classification Survey
- c1 - arable and horticulture
- c1c - cereal crops
- c1e - intensive orchards
- g - grassland
- g3c - other neutral grassland
- g4 - modified grassland
- h - heathland and shrub
- h3h - Mixed scrub
- r - rivers and lakes
- u1e - built linear features
- w1d - wet woodland
- w1f7 - Other Lowland mixed deciduous woodland
- w1g - other woodland, broadleaved



NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement

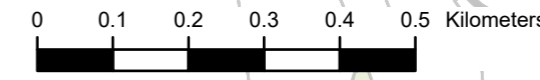


TITLE: Figure 7.1.4 UK Habitat Classification (UKHab) Survey - Areas

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

ORIGINATOR DRAWING NO. AAA\_BTT\_HabitatsFR\_Fig7\_1\_4\_Rev01

NG DRAWING No.	SHEET NO.	NO. OF SHEETS	ISSUE
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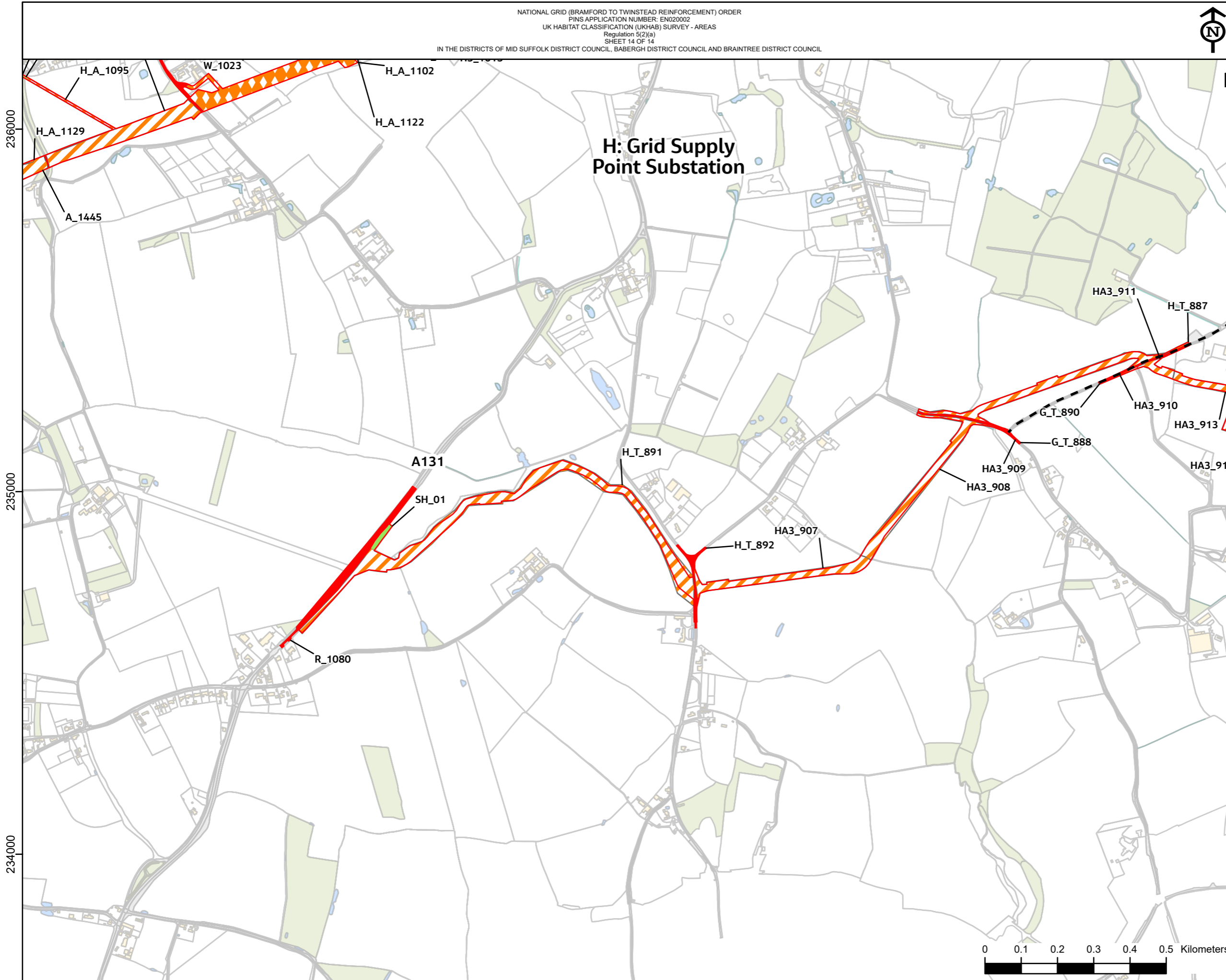
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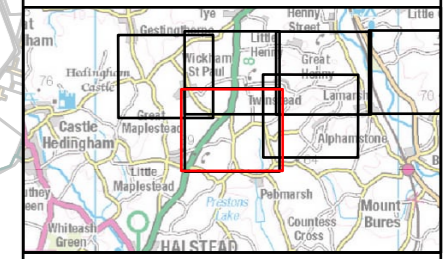
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- P**
- Section boundaries
  - Order Limits
  - UK Habitats Classification Survey
  - c1 - arable and horticulture
  - c1e - intensive orchards
  - g - grassland
  - g3c - other neutral grassland
  - h - heathland and shrub
  - r - rivers and lakes
  - u1e - built linear features
  - w1g - other woodland, broadleaved



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

PROJECT: **Bramford to Twinstead Reinforcement**

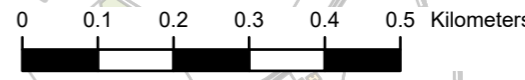


TITLE: **Figure 7.1.4 UK Habitat Classification (UKHab) Survey - Areas**

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

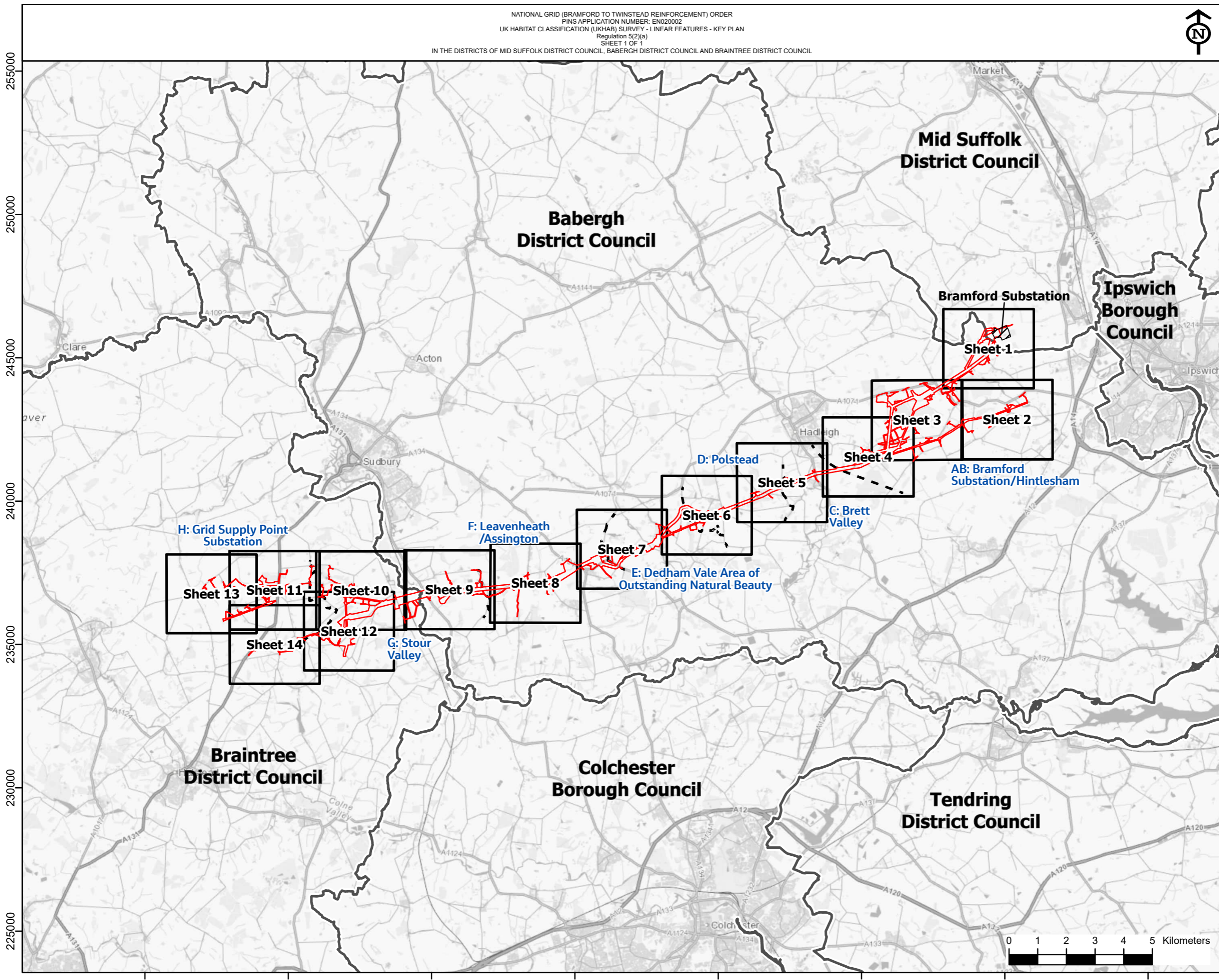
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NG DRAWING No. BT-JAC-020631-500-0020	SHEET NO. <b>14</b>	NO. OF SHEETS <b>14</b>	ISSUE: <b>A</b>
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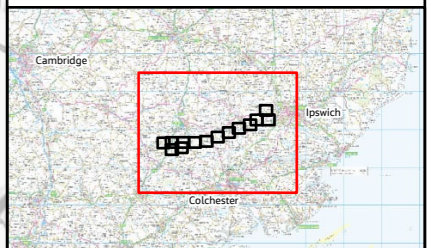


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- Section boundaries
- Order limits
- Local authority districts
- Existing Bramford Substation



NG Investment No. ETX/01142


A	04/2023	Rev A for DCO Application	PM	LG	CW
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PROJECT: Bramford to Twinstead Reinforcement

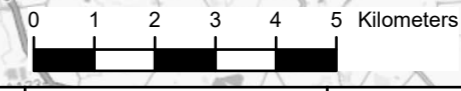
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TITLE: Figure 7.1.5  
 UK Habitat Classification (UKHab)  
 Survey - Linear Features  
 - Key Plan

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

ORIGINATOR DRAWING NO.  
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NG DRAWING No. BT-JAC-020631-500-0021	SHEET NO. 1	NO. OF SHEETS 1	ISSUE: A
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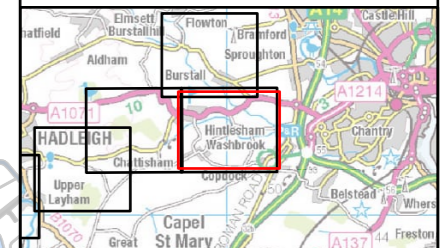
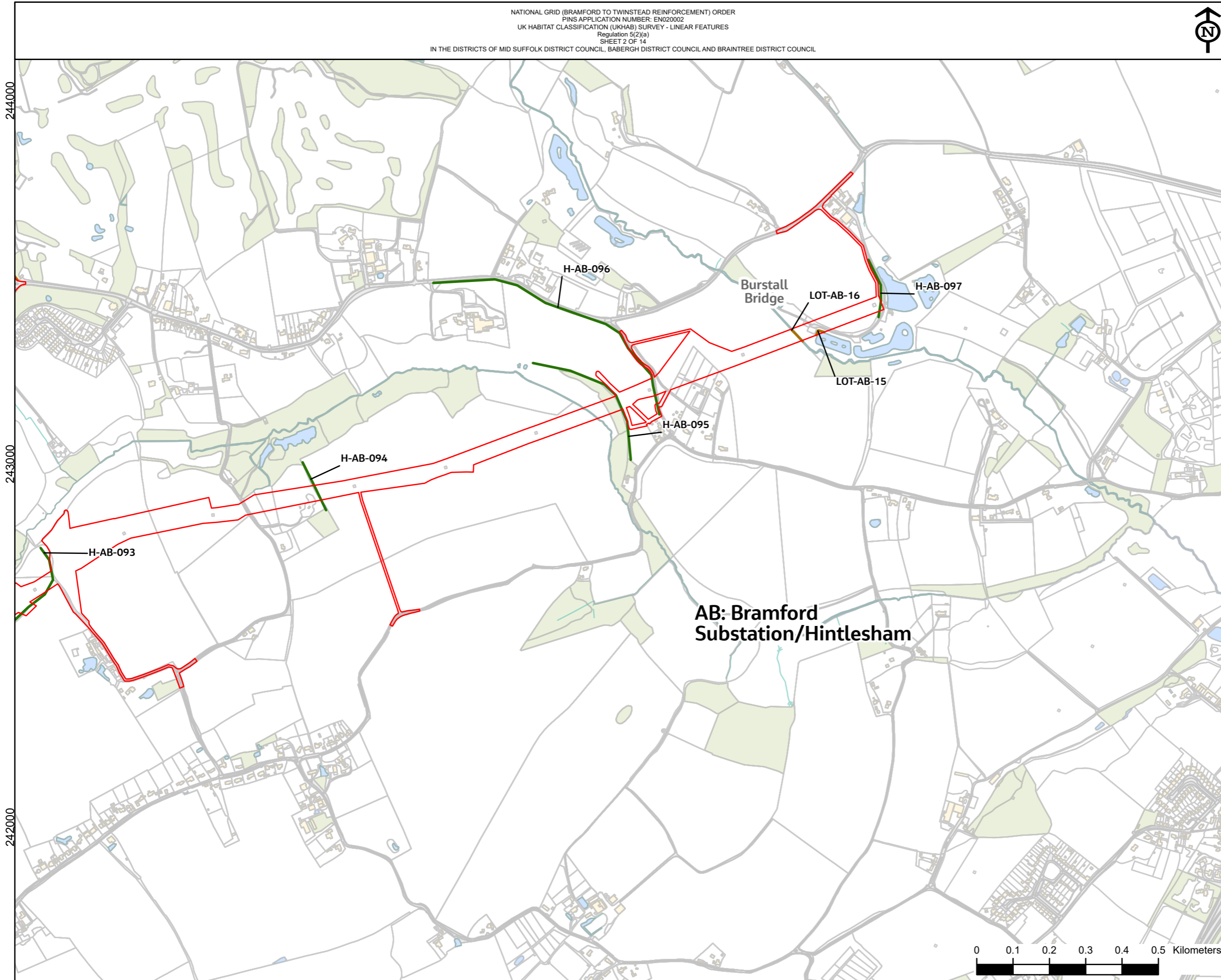






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- Section boundaries
- Order Limits
- h2a - hedgerow (priority habitat)
- h2b - other hedgerows
- w1g6 - line of trees



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ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**



TITLE: **Figure 7.1.5  
 UK Habitat Classification  
 (UKHab) Survey - Linear Features**

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

ORIGINATOR DRAWING NO. **AAA\_BTT\_HabitatsFR\_Fig7\_1\_5\_Rev01** A3

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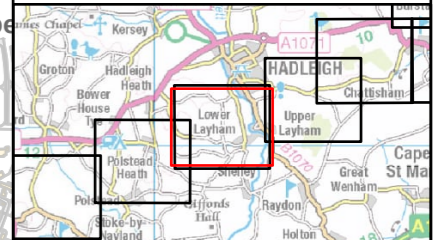
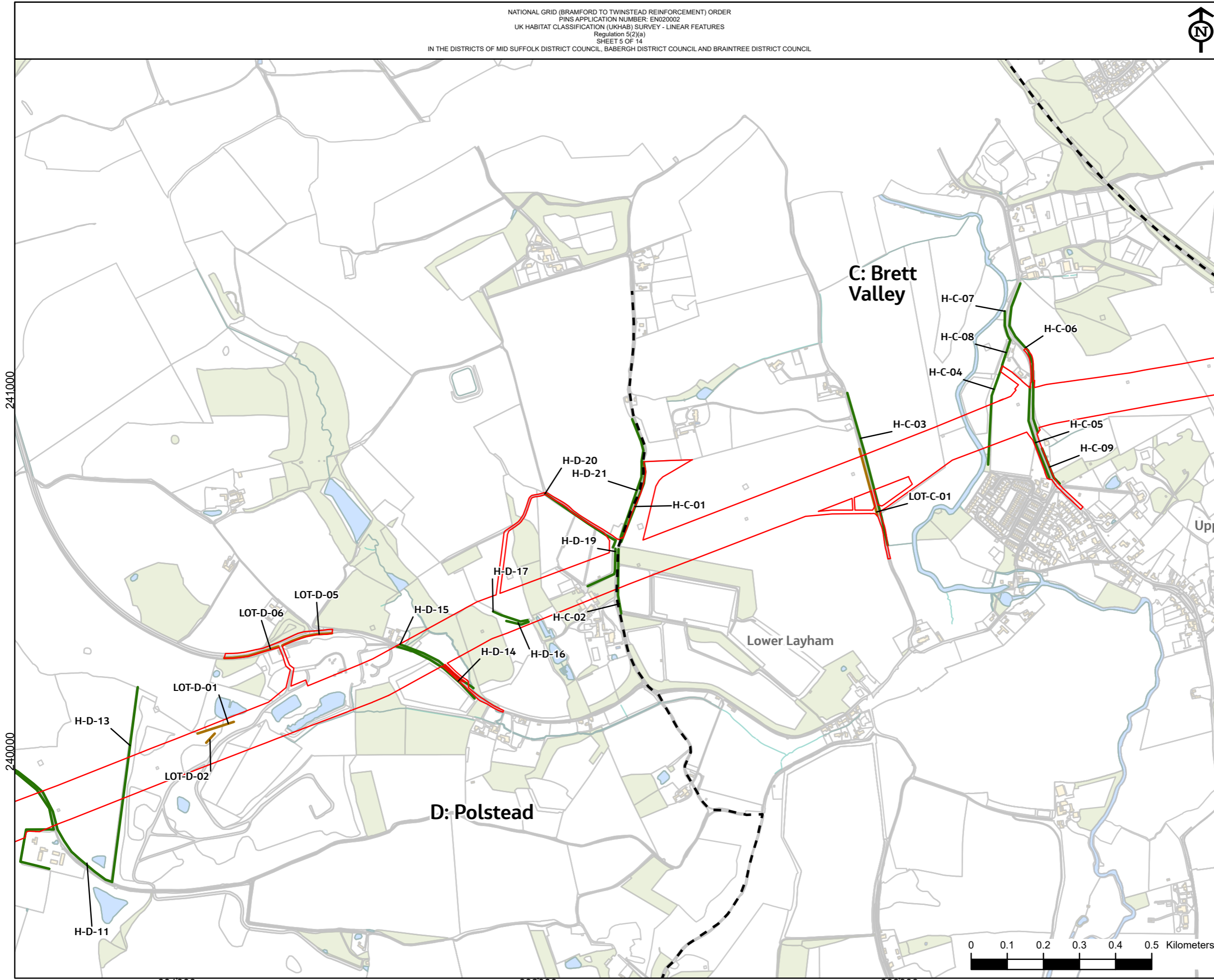






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- Section boundaries
- Order Limits
- h2a - hedgerow (priority habitat)
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ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**

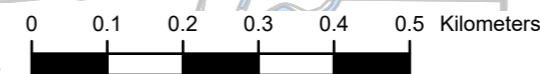


TITLE: **Figure 7.1.5 UK Habitat Classification (UKHab) Survey - Linear Features**

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

ORIGINATOR DRAWING NO. **AAA\_BTT\_HabitatsFR\_Fig7\_1\_5\_Rev01** **A3**

NG DRAWING No. BT-JAC-020631-500-0021	SHEET NO. <b>5</b>	NO. OF SHEETS <b>14</b>	ISSUE: <b>A</b>
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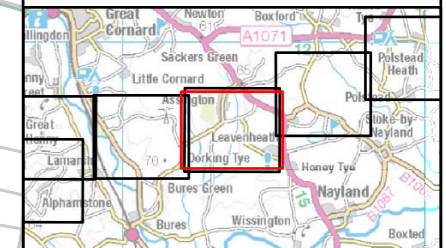
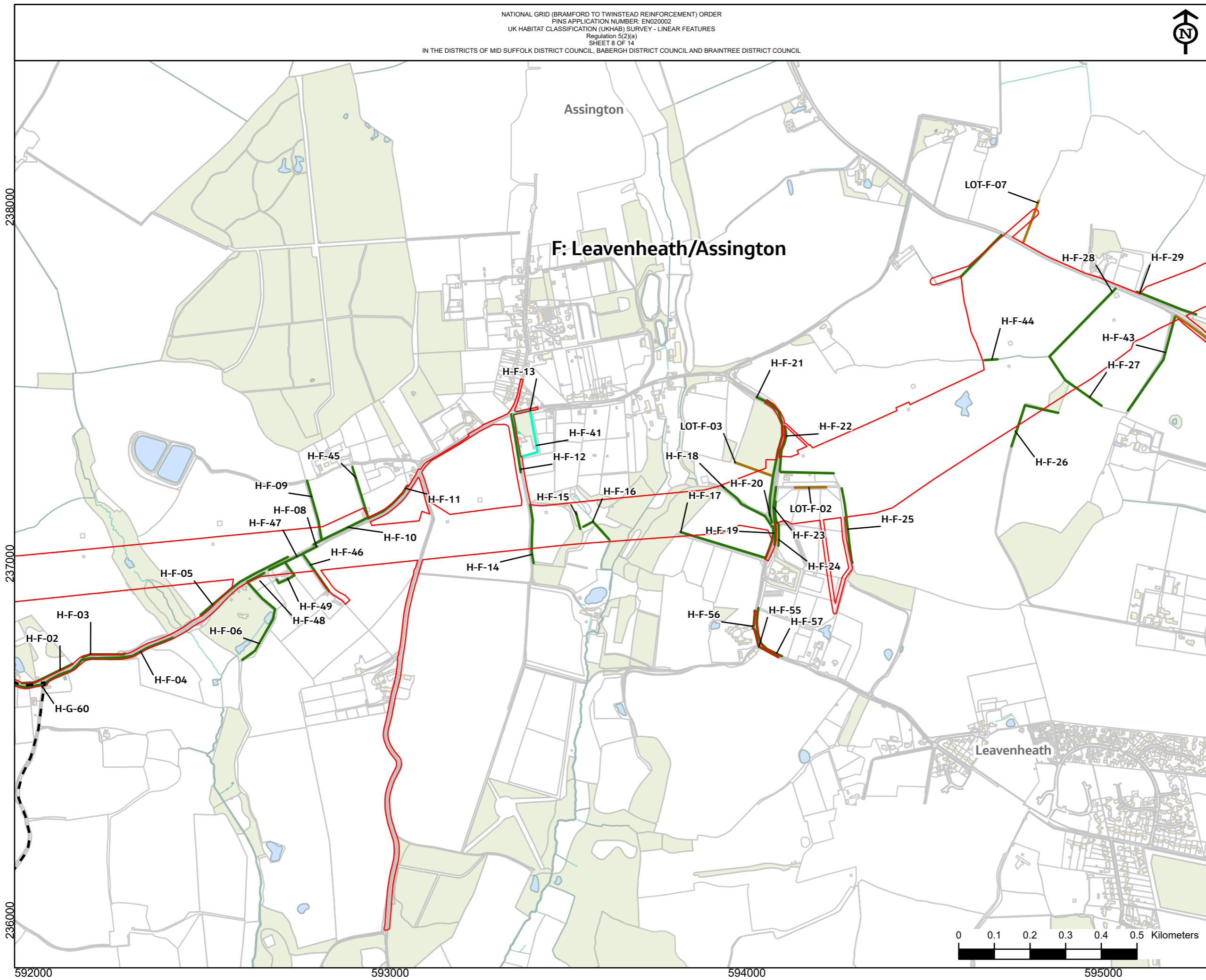






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- Section boundaries
- Order Limits
- h2a - hedgerow (priority habitat)
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ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement

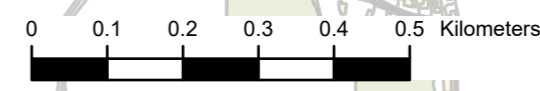


TITLE: Figure 7.1.5  
 UK Habitat Classification  
 (UKHab) Survey - Linear Features

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

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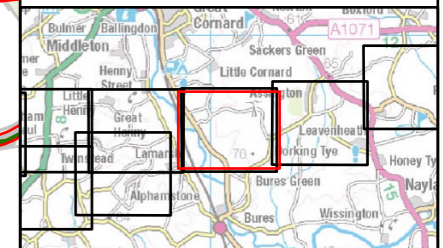
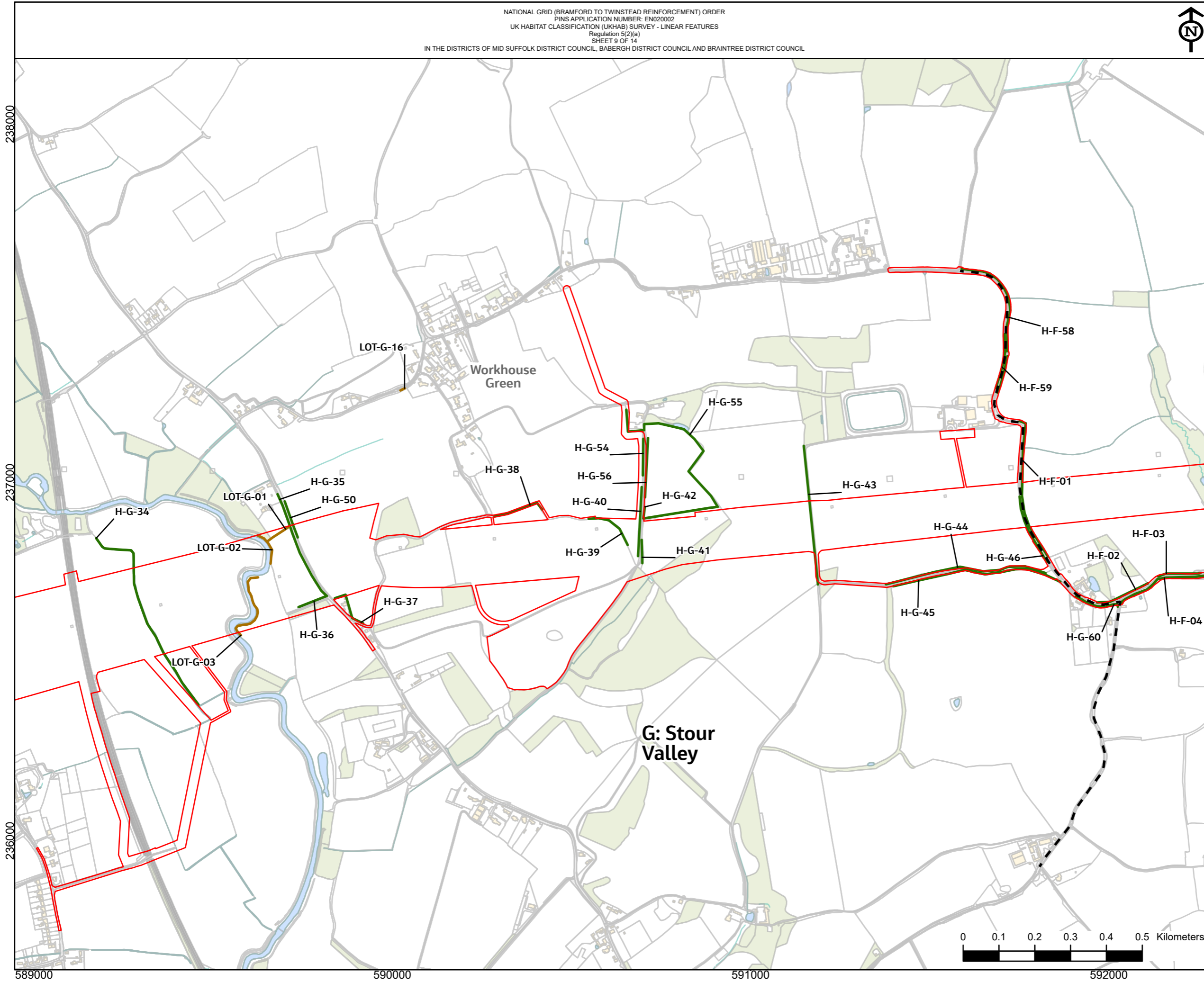
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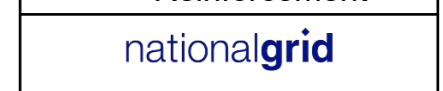
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- Order Limits
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- w1g6 - line of trees



NG Investment No. ETX/01142


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ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement

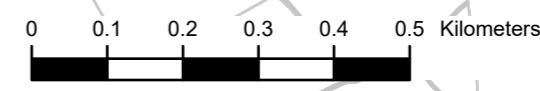


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 UK Habitat Classification  
 (UKHab) Survey - Linear Features

CIRCUIT / SITE: Bramford – Pelham & Bramford – Braintree – Bulls Lodge	GIS
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NG DRAWING No. BT-JAC-020631-500-0021	SHEET NO. 9	NO. OF SHEETS 14	ISSUE: A
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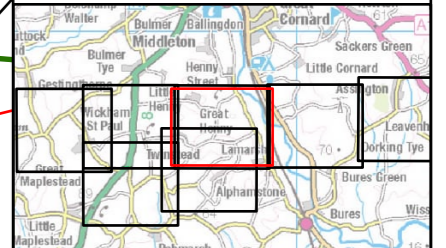
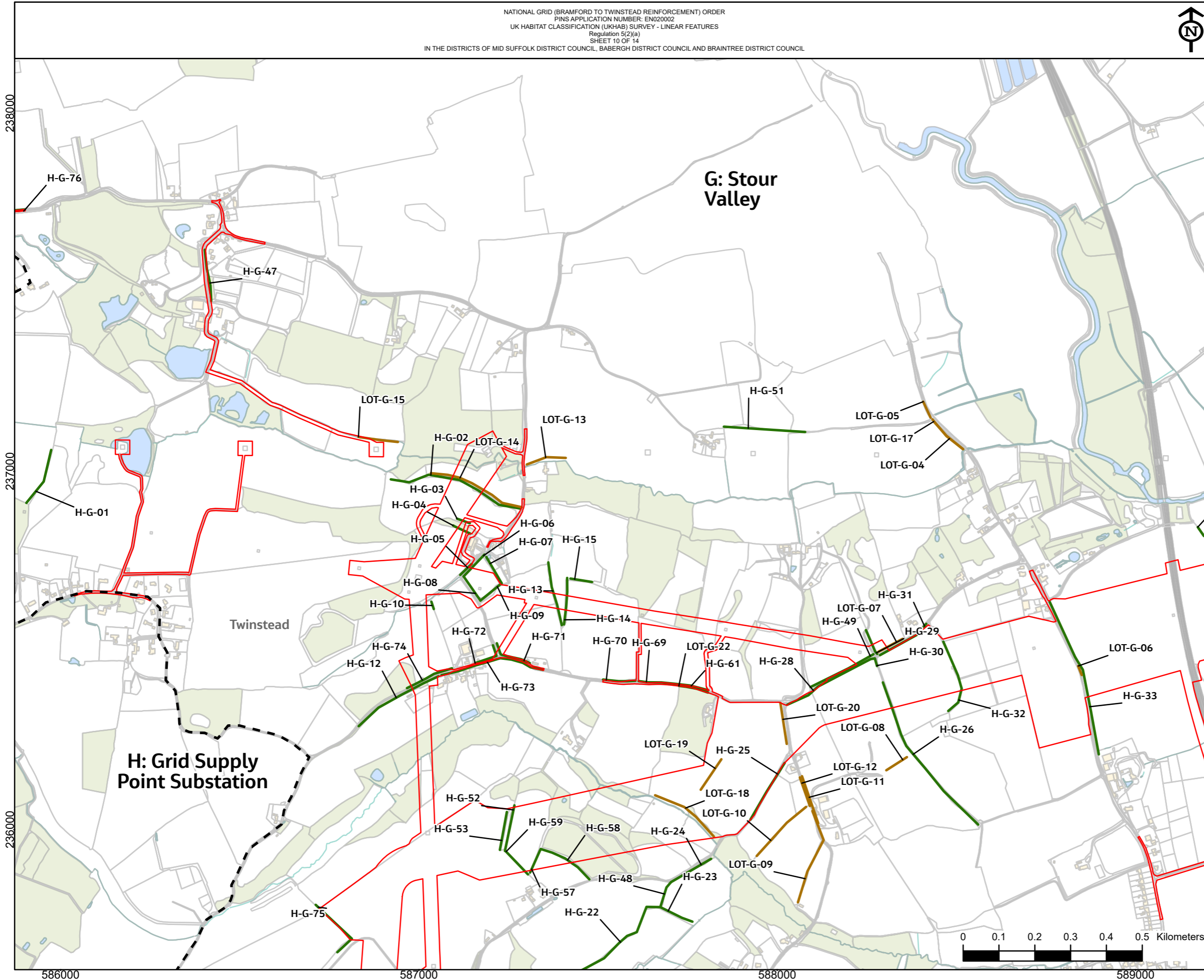
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- Section boundaries
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ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement

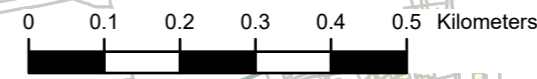


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 UK Habitat Classification (UKHab) Survey - Linear Features

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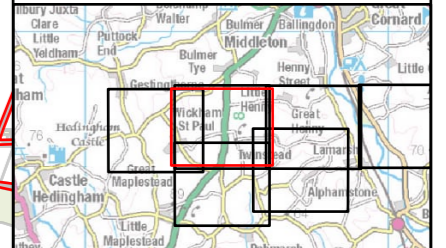
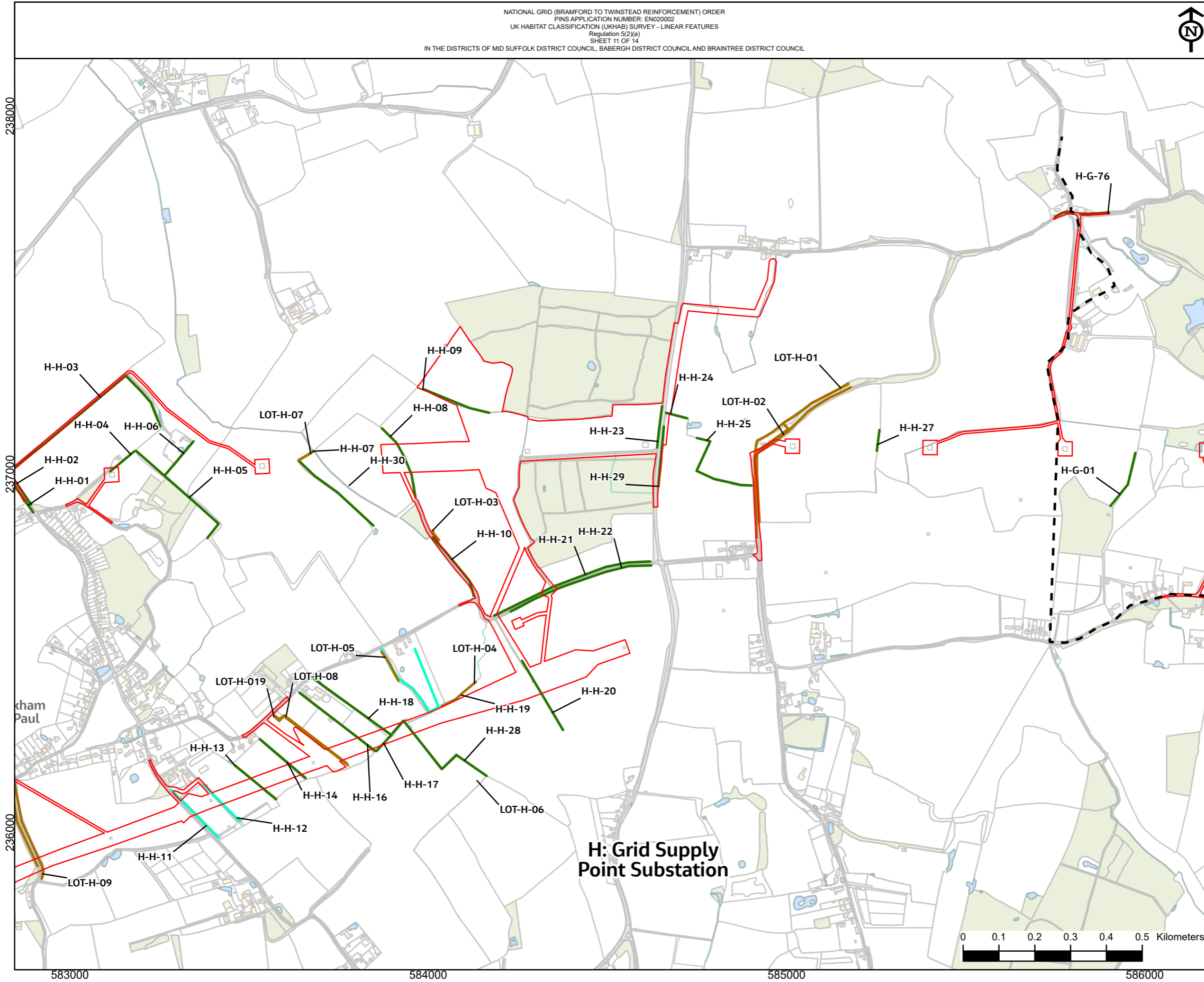
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- Section boundaries
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ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**

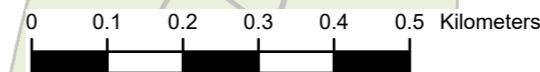


TITLE: **Figure 7.1.5  
 UK Habitat Classification  
 (UKHab) Survey - Linear Features**

CIRCUIT / SITE: **Bramford – Pelham & Bramford  
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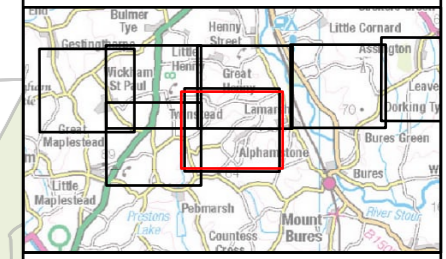
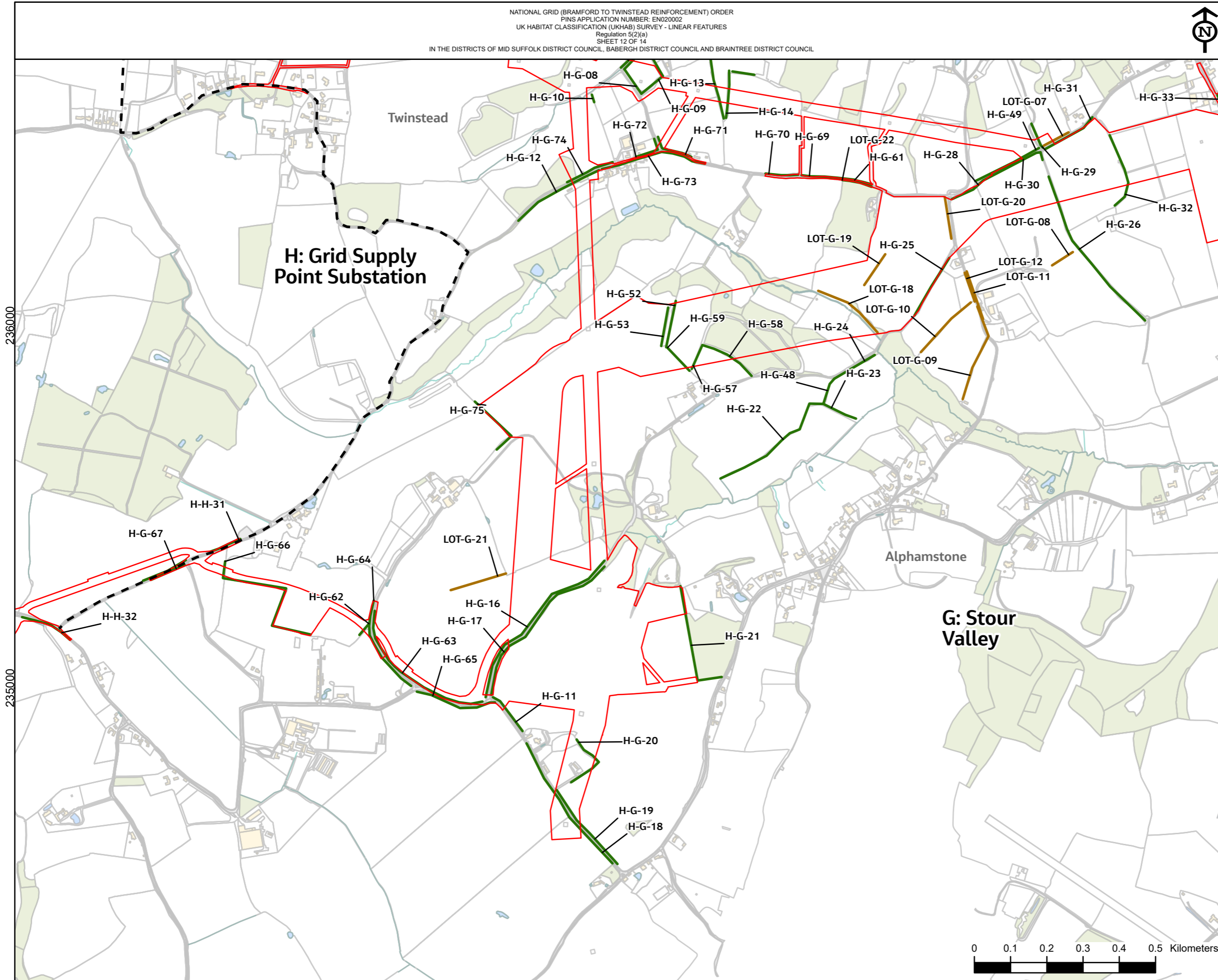
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- Section boundaries
- Order Limits
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NG Investment No. ETX/01142

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

PROJECT: Bramford to Twinstead Reinforcement

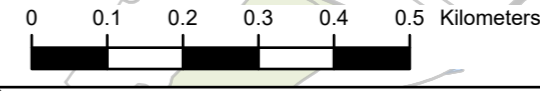


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 UK Habitat Classification  
 (UKHab) Survey - Linear Features

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

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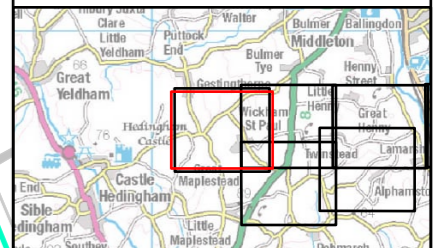
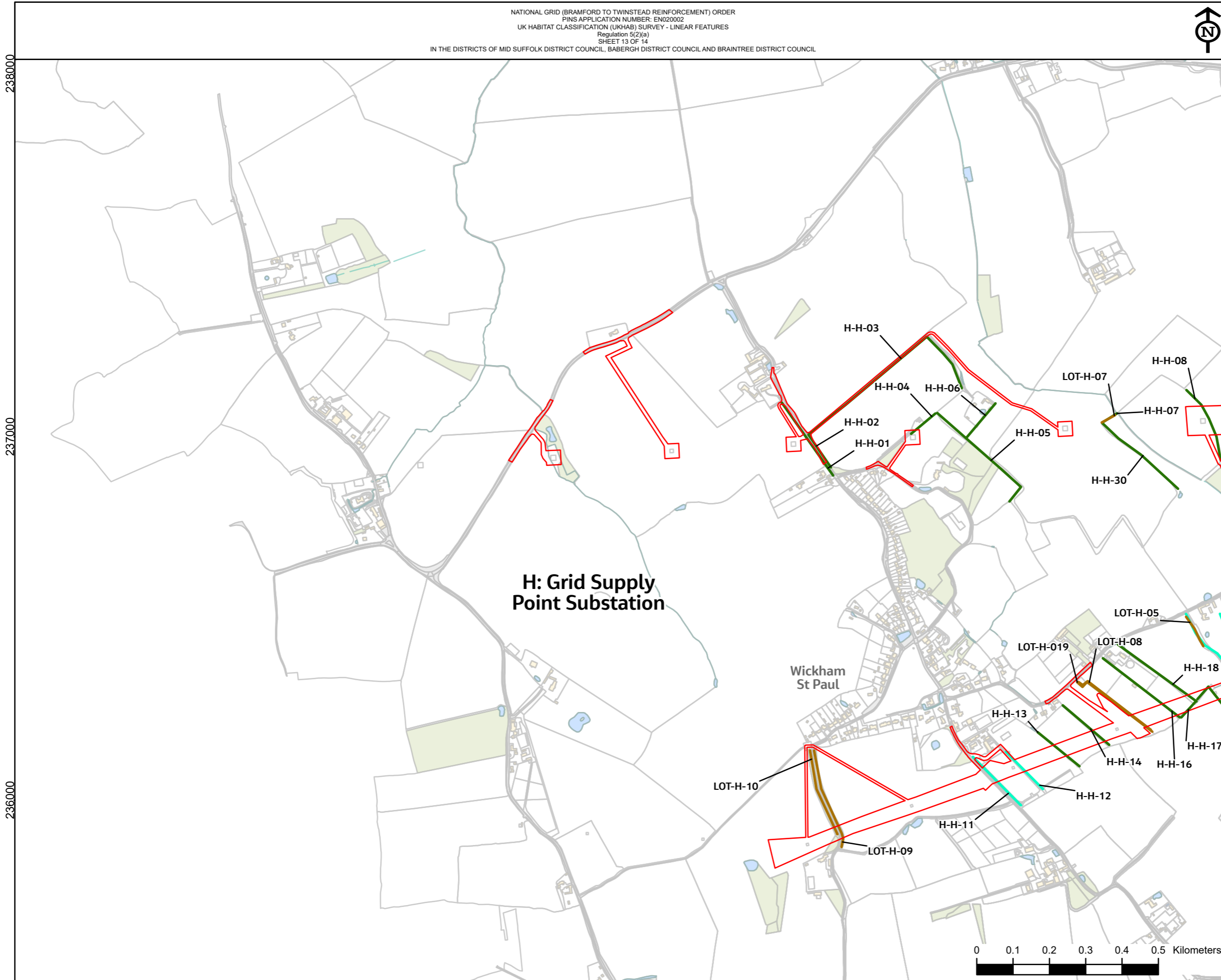


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- Section boundaries
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ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**

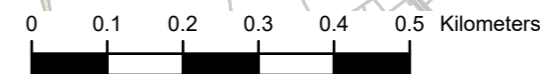


TITLE: **Figure 7.1.5  
 UK Habitat Classification  
 (UKHab) Survey - Linear Features**

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

ORIGINATOR DRAWING NO. **AAA\_BTT\_HabitatsFR\_Fig7\_1\_5\_Rev01** **A3**

NG DRAWING No. BT-JAC-020631-500-0021	SHEET NO. <b>13</b>	NO. OF SHEETS <b>14</b>	ISSUE: <b>A</b>
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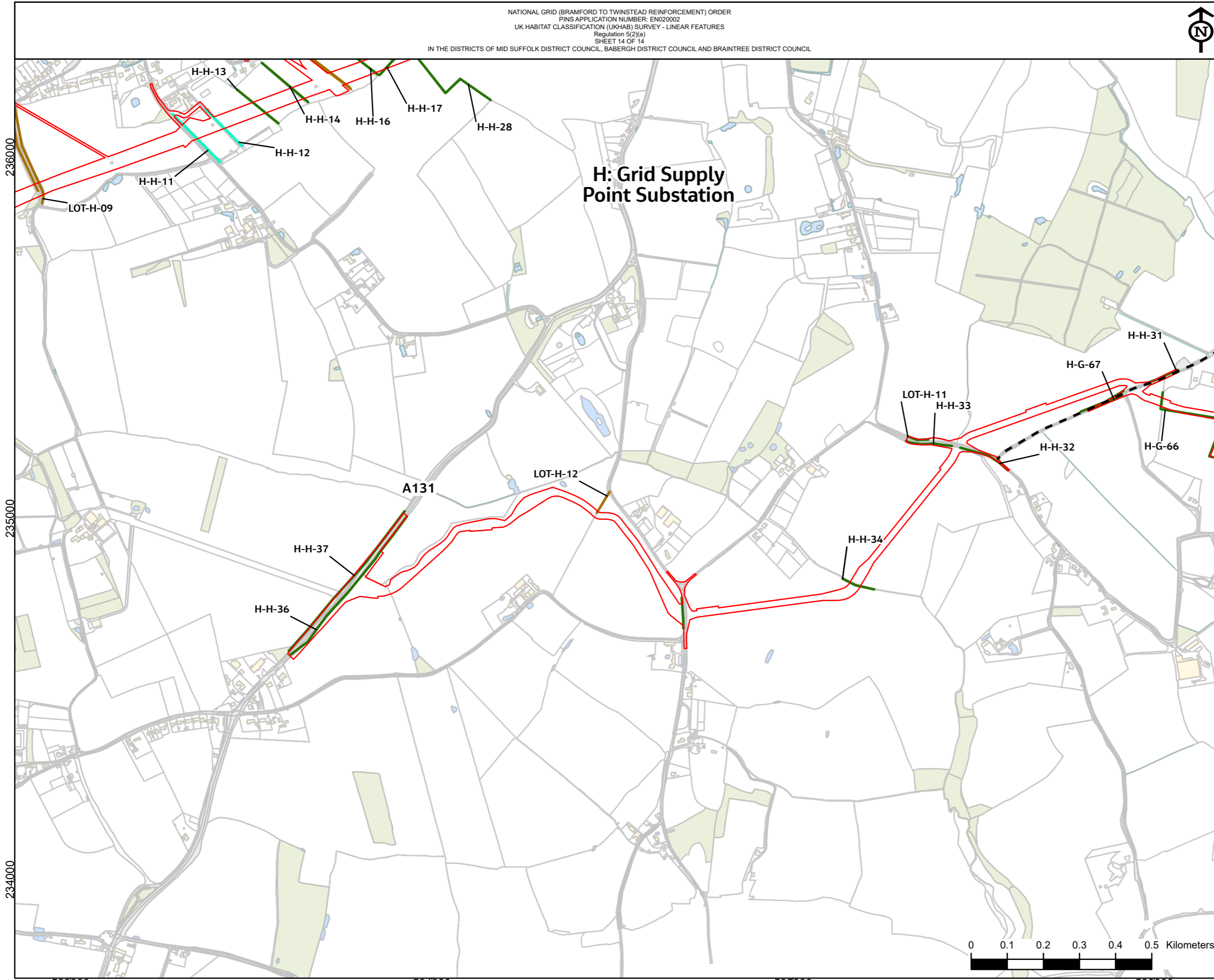
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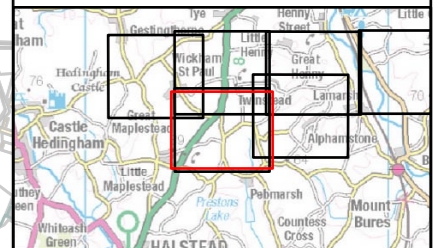
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- Section boundaries
- Order Limits
- h2a - hedgerow (priority habitat)
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- w1g6 - line of trees



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ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**



TITLE: **Figure 7.1.5 UK Habitat Classification (UKHab) Survey - Linear Features**

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

ORIGINATOR DRAWING NO. **AAA\_BTT\_HabitatsFR\_Fig7\_1\_5\_Rev01** **A3**

NG DRAWING No. **BT-JAC-020631-500-0021** SHEET NO. **14** NO. OF SHEETS **14** ISSUE: **A**



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