

BT-NG-020621-545-0178

# Bramford to Twinstead Reinforcement

Volume 6: Environmental Information

Document 6.4.6: Environmental Statement  
Figures (Part 6)

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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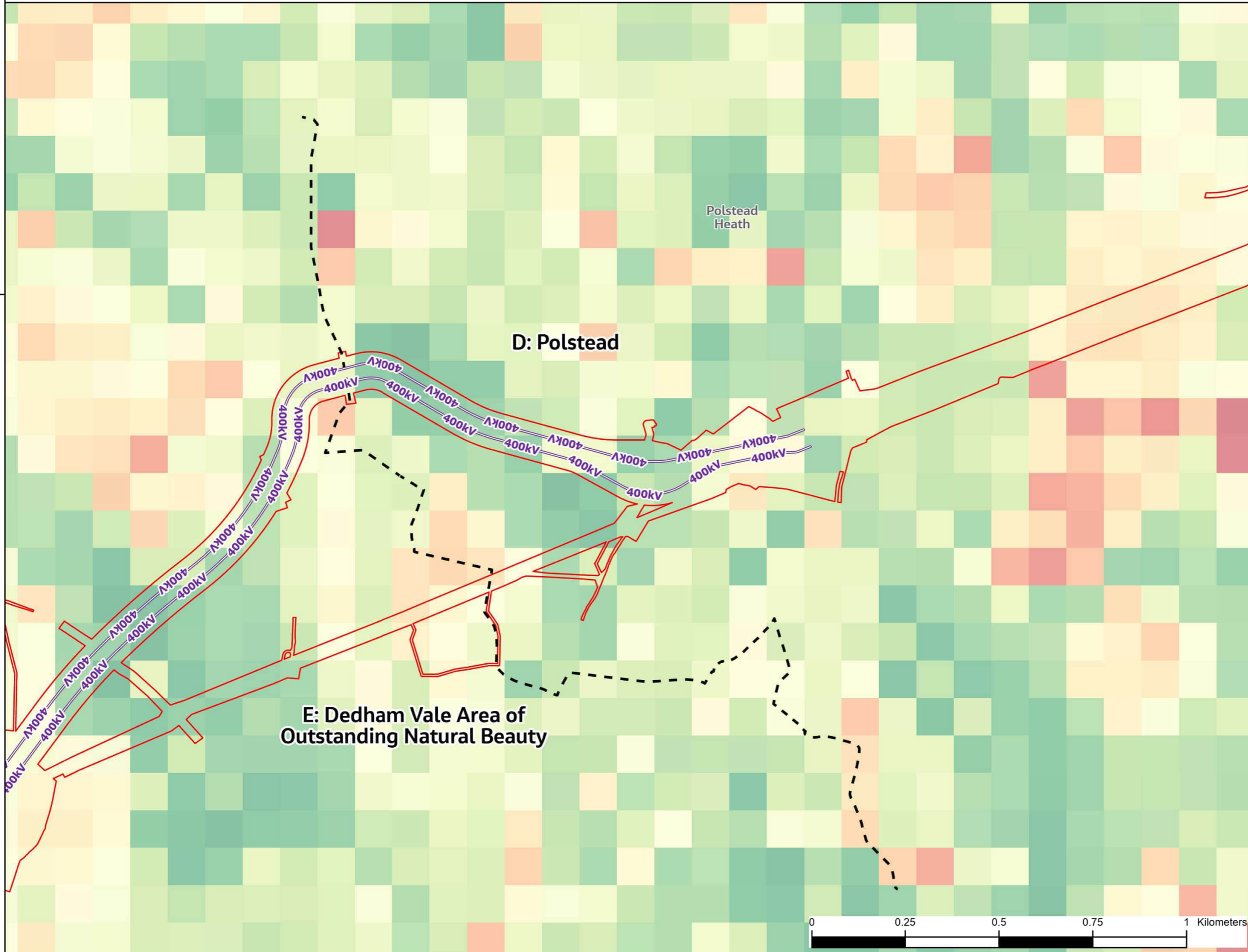
Figure 8.2: Built Heritage Assets

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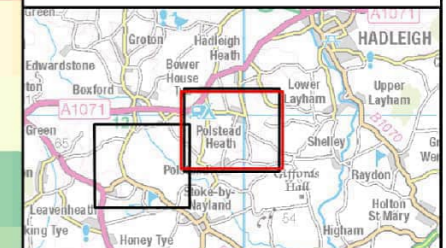




240000



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



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TITLE: Figure 7.7.13  
 Habitat Suitability Model For  
 Noctule Bat Species

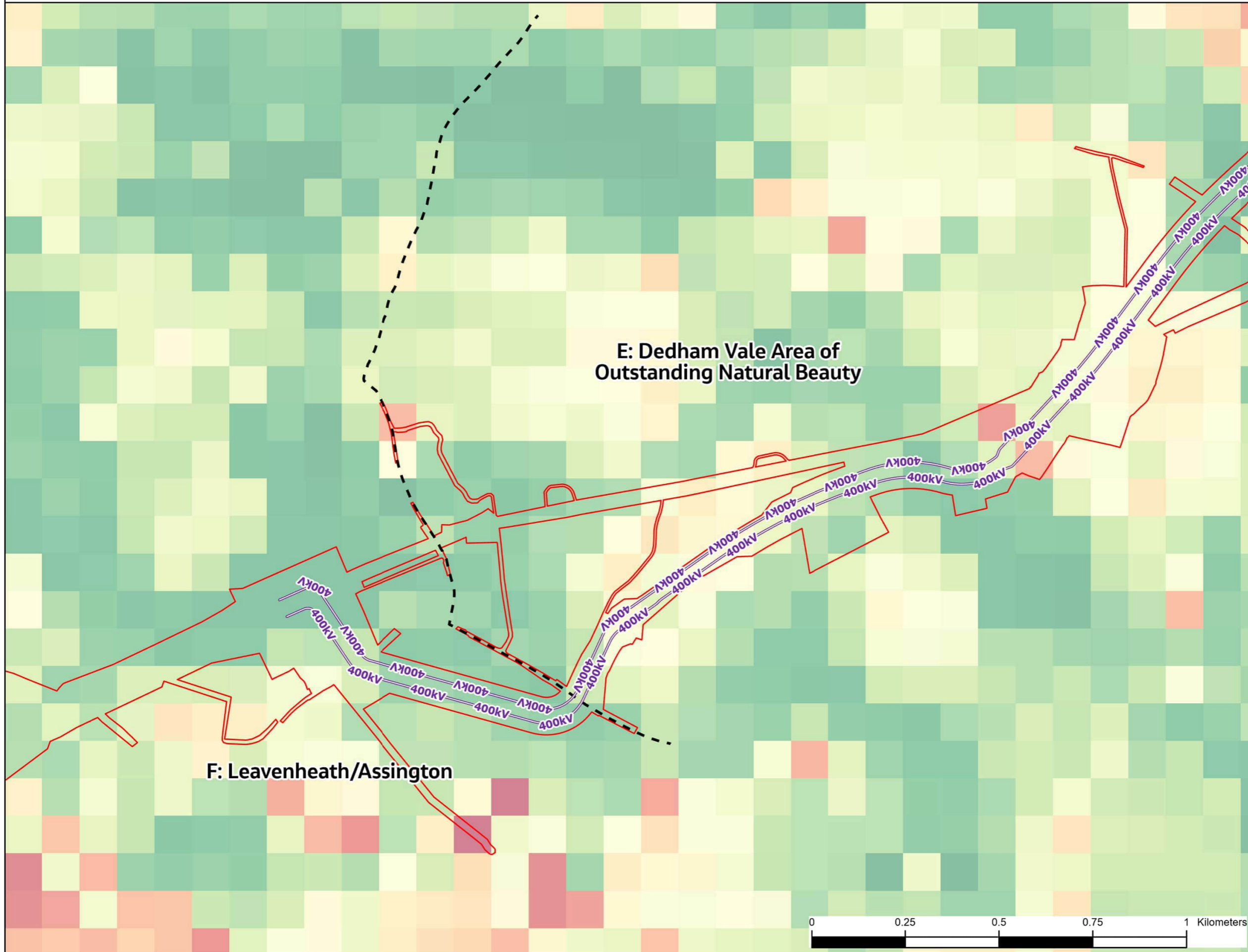
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 Bramford – Pelham & Bramford  
 – Braintree – Bulls Lodge

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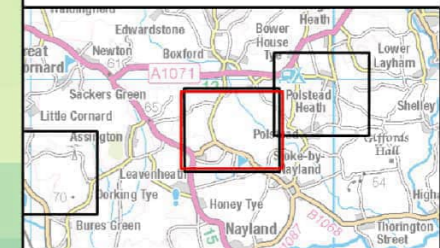
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- Legend**
- - - Section boundaries
  - Order Limits
  - Proposed 400kV underground cable
- Habitat suitability model**
- Noctule**
- High: 1
  - Low: 0



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TITLE: Figure 7.7.13  
 Habitat Suitability Model For  
 Noctule Bat Species

CIRCUIT / SITE :  
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 – Braintree – Bulls Lodge

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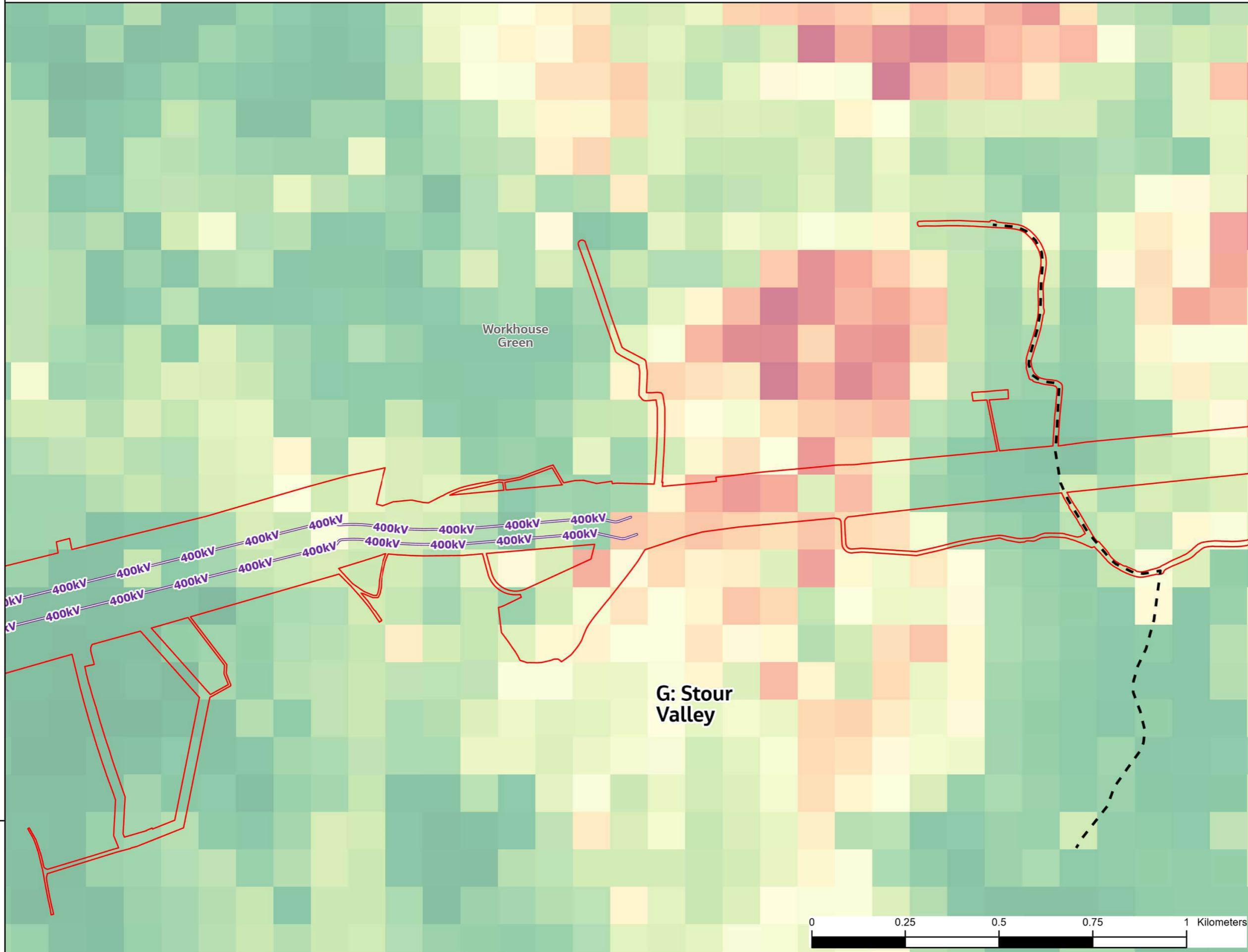
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**Legend**

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

**Habitat suitability model**

**Noctule**

- High: 1
- Low: 0



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TITLE: Figure 7.7.13  
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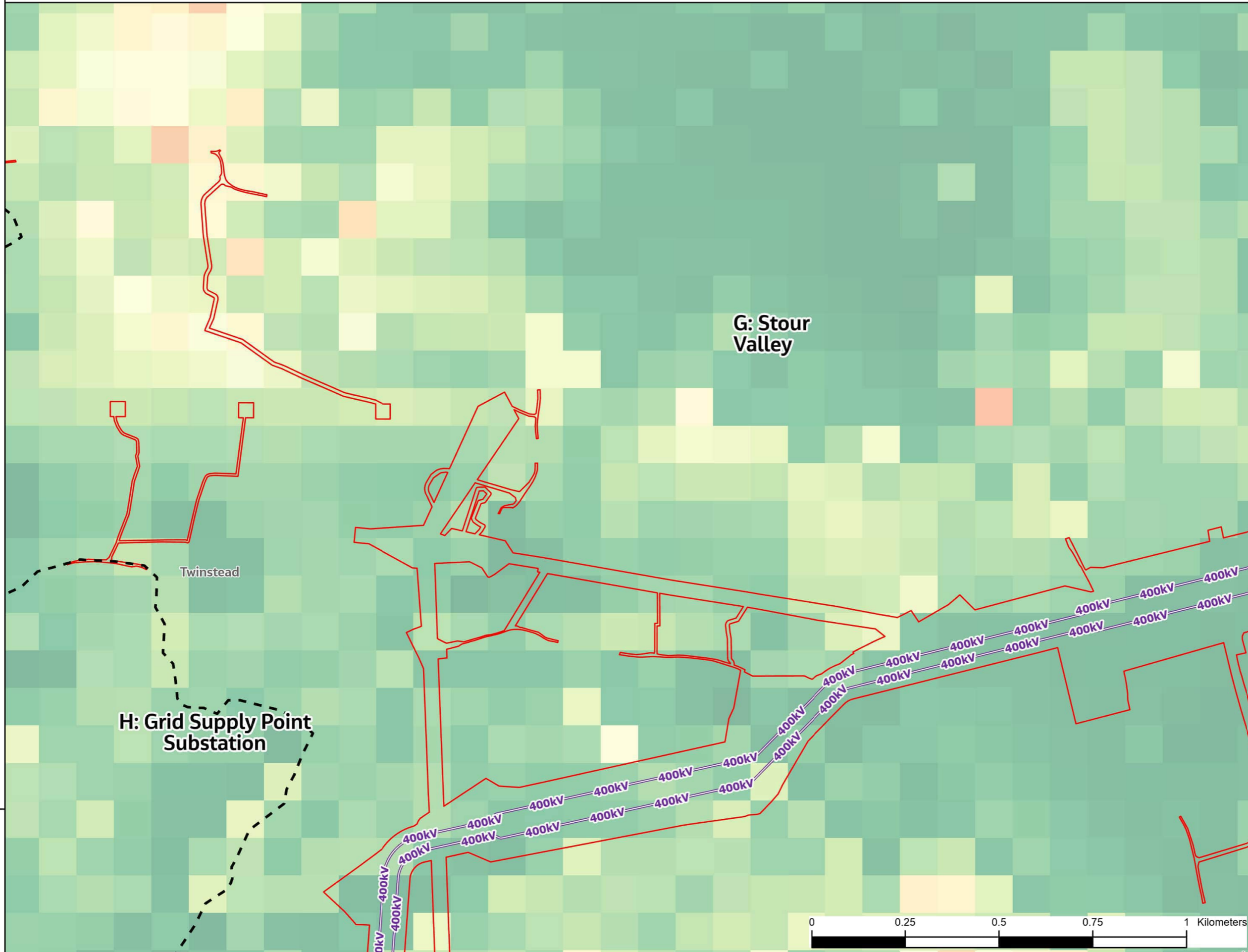
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**Legend**

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

**Habitat suitability model**

**Noctule**

- High: 1
- Low: 0



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TITLE: Figure 7.7.13  
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 Noctule Bat Species

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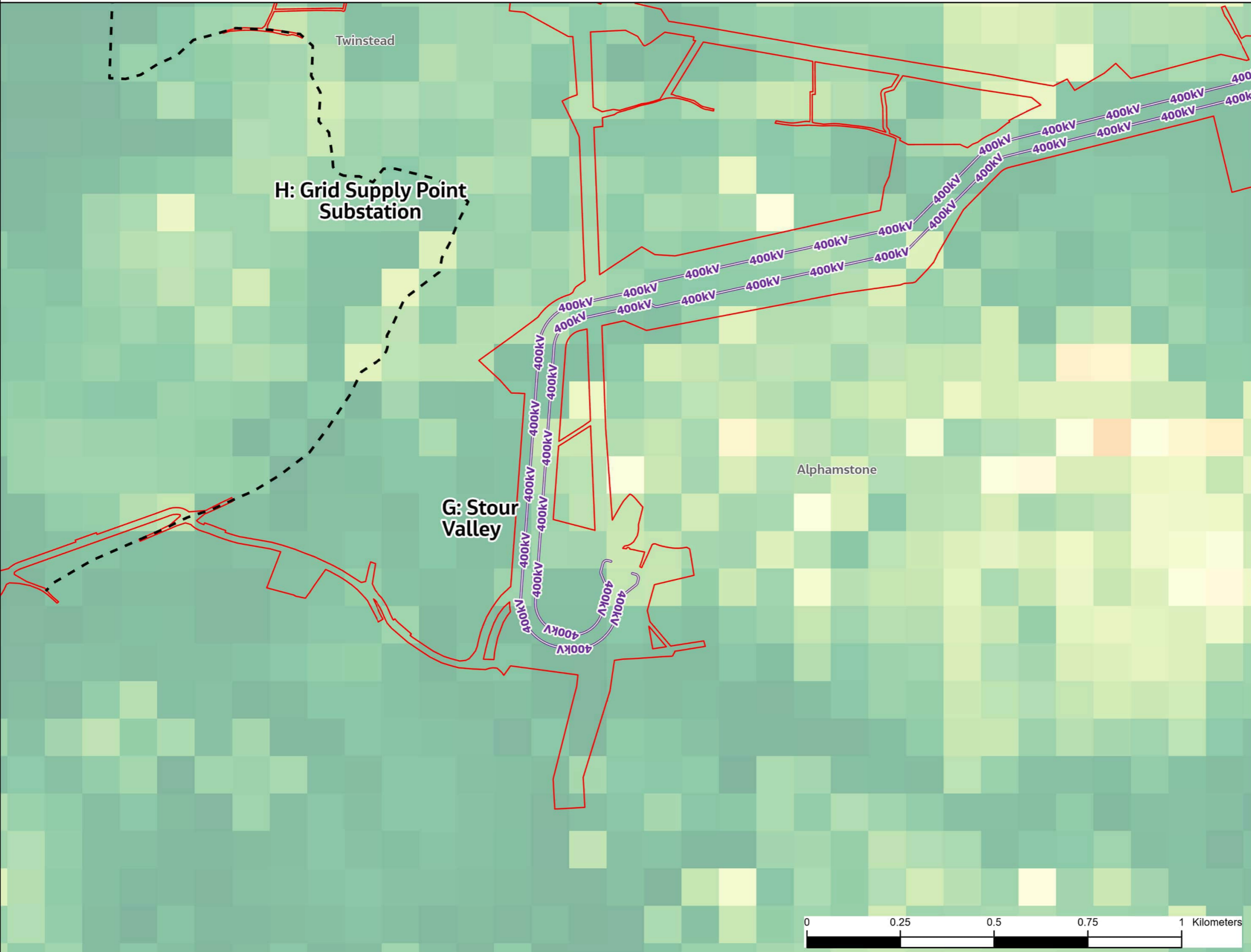
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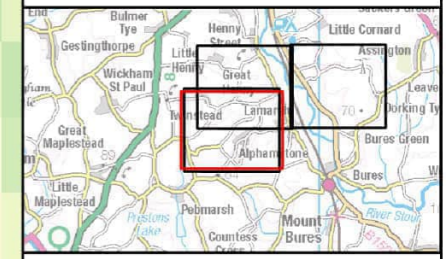
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- - - Section boundaries
- ▭ Order Limits
- Proposed 400kV underground cable

**Habitat suitability model**

Noctule

- High: 1
- Low: 0



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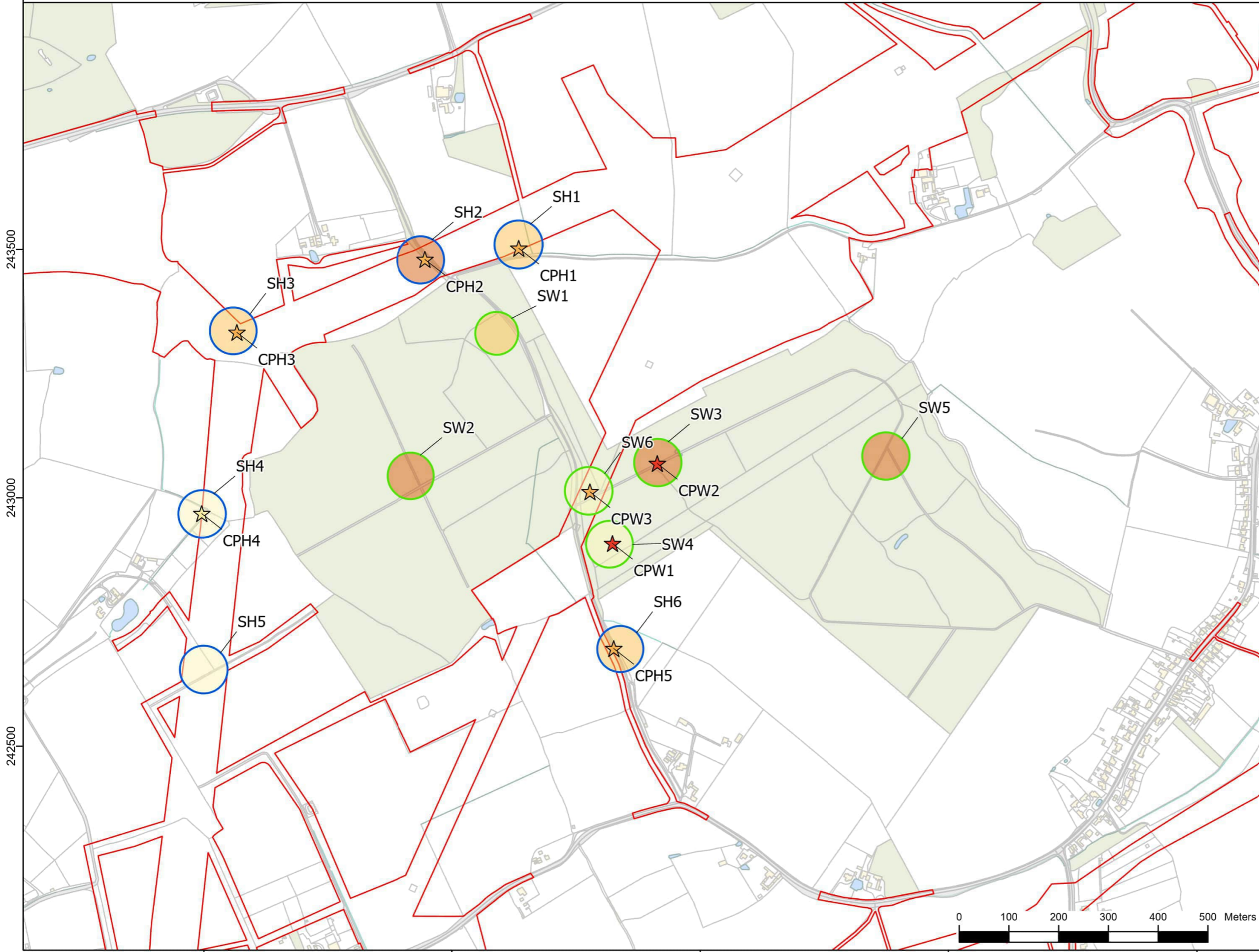
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**Order Limits**

**Approximate crossing point survey**  
 Highest number of barbastelle bat passes in a single night

- ★ 0 - 10
- ★ 11 - 100
- ★ 101+

**Approximate static location woodland**  
 Highest number of barbastelle bat passes in a single night

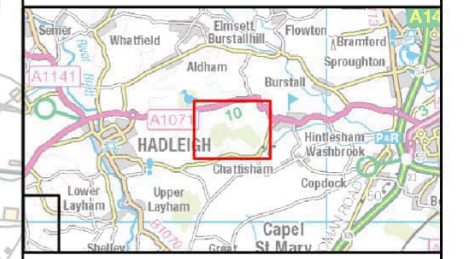
- < 50 (Low)
- 50 - 100 (Moderate)
- > 100 (High)

**Approximate static location hedgerow**  
 Highest number of barbastelle bat passes in a single night

- < 50 (Low)
- 50 - 100 (Moderate)
- > 100 (High)

243500  
243000  
242500

606000 606500 607000 607500 608000



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 Crossing Point And Static Detector  
 Survey Locations: Hintlesham Woods**

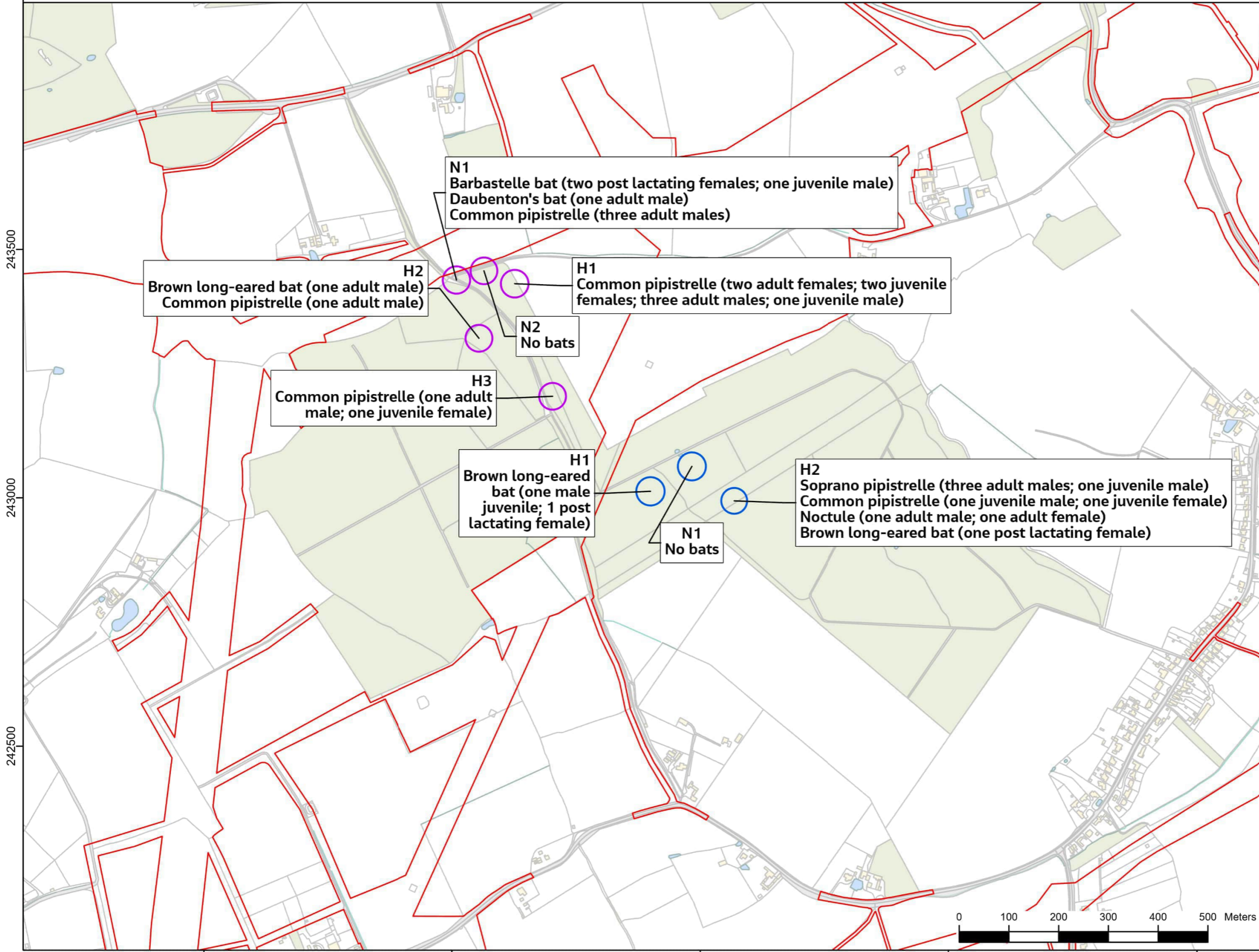
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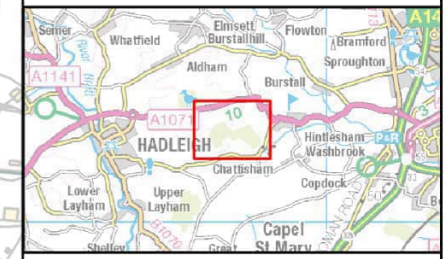




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- Order Limits
- Bat trapping survey date and location**
- 09/08/22
- 10/08/22
- N Mist
- H Harp trap



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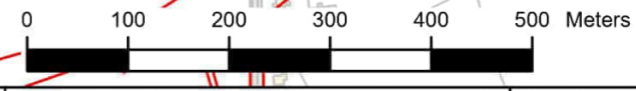
PROJECT: **Bramford to Twinstead Reinforcement**



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 Bat Trapping Locations And Results: Hintlesham Woods**

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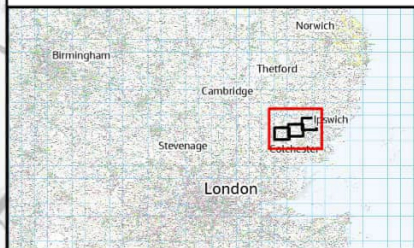
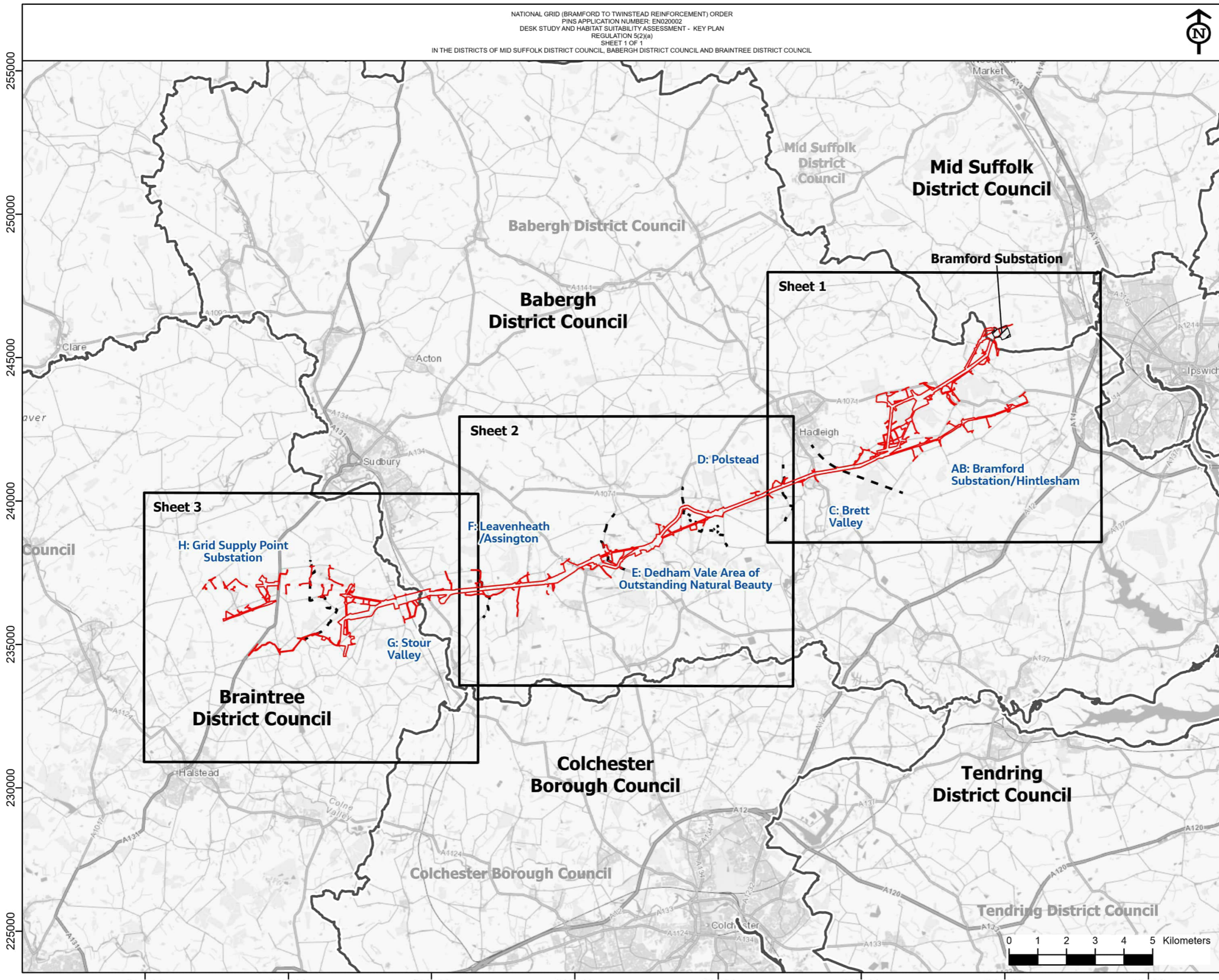
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  - ▭ Local authority districts
  - ▨ Existing Bramford Substation



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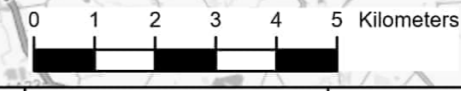


TITLE: Figure 7.8.1 Desk Study and Habitat Suitability Assessment - Key Plan

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

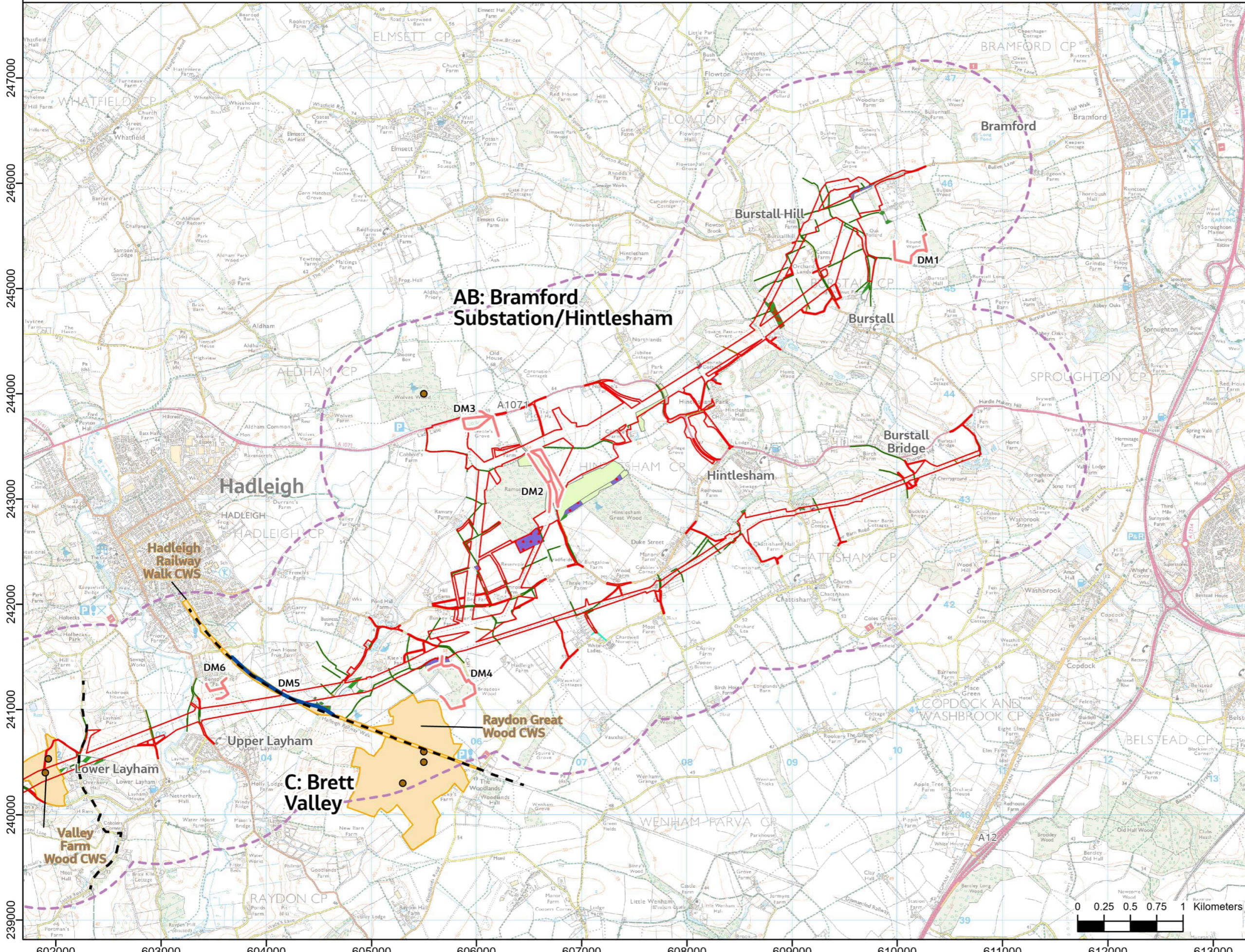
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- Section boundaries
- Order Limits
- Study area (1km)
- 2022 desk study**
- Hazel dormouse records
- 2012 field survey**
- Dormouse likely absence
- Dormouse presence
- DM1 Field survey site reference
- Designated sites with dormouse presence cited**
- Local Nature Reserve (LNR)
- County Wildlife Site (CWS)
- Suffolk Wildlife Trust (SWT) Nature Reserves
- Habitat suitable to support dormouse**
- h2a - hedgerow (priority habitat)
- h2b - other hedgerows
- w1g6 - line of trees
- h3h - Mixed scrub
- w1 - broadleaved, mixed and yew woodland
- w1d - wet woodland
- w1f - lowland mixed deciduous woodland
- w1g - other woodland, broadleaved
- w2c - other coniferous woodland
- w1f7 - Other Lowland mixed deciduous woodland



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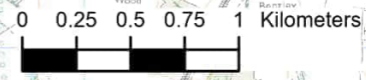
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TITLE: Figure 7.8.1  
 Desk Study  
 and Habitat Suitability Assessment

CIRCUIT / SITE :  
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 – Braitree – Bulls Lodge

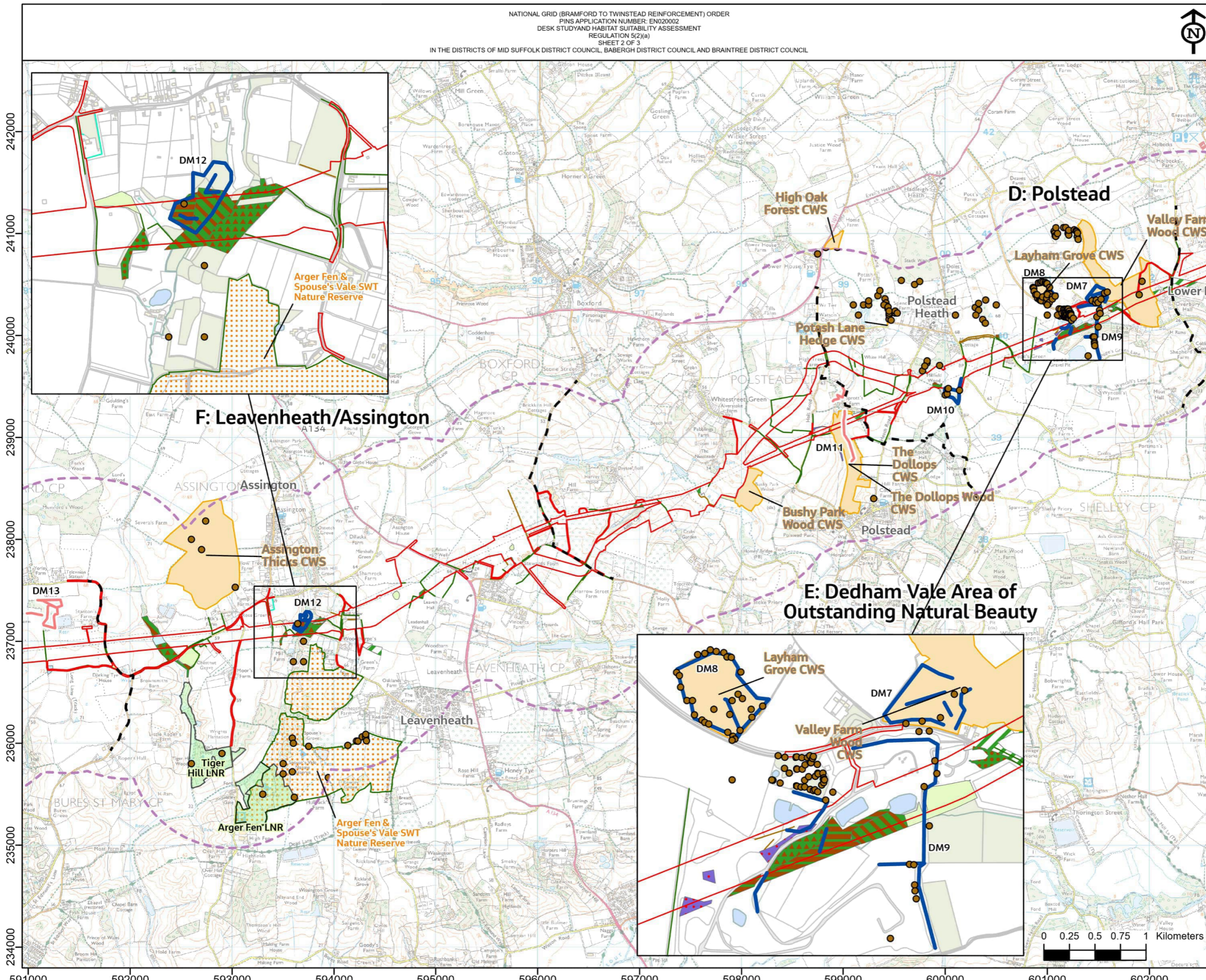
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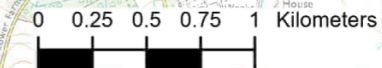
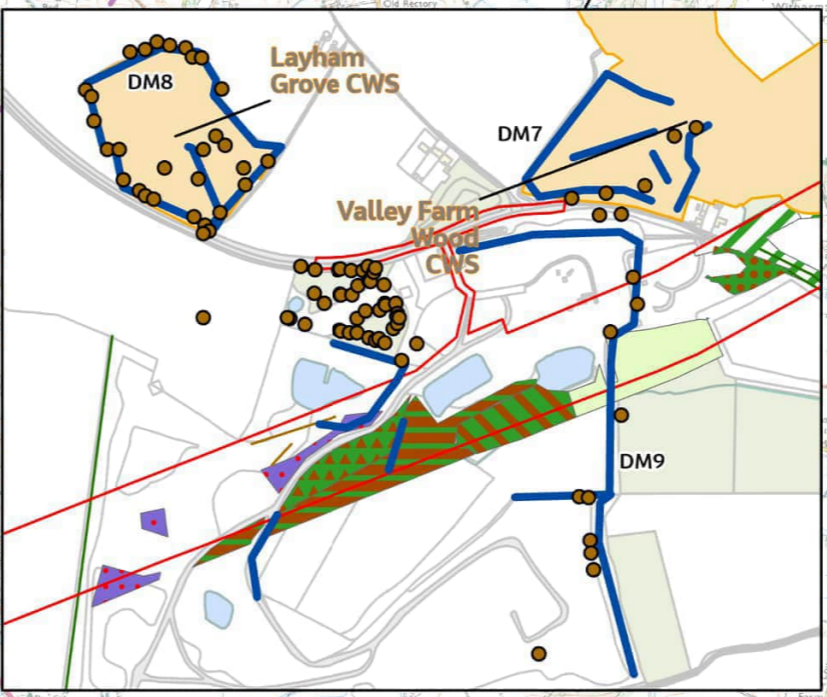




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- h3h - Mixed scrub
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- w1d - wet woodland
- w1f - lowland mixed deciduous woodland
- w1g - other woodland, broadleaved
- w1g6 - line of trees
- w1g7 - Other broadleaved woodland types
- w1d5 - Alder woodland on floodplains (H91E0)
- w1f7 - Other Lowland mixed deciduous woodland
- w1h5 - Other woodland; mixed; mainly broadleaved



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 Desk Study and Habitat Suitability Assessment

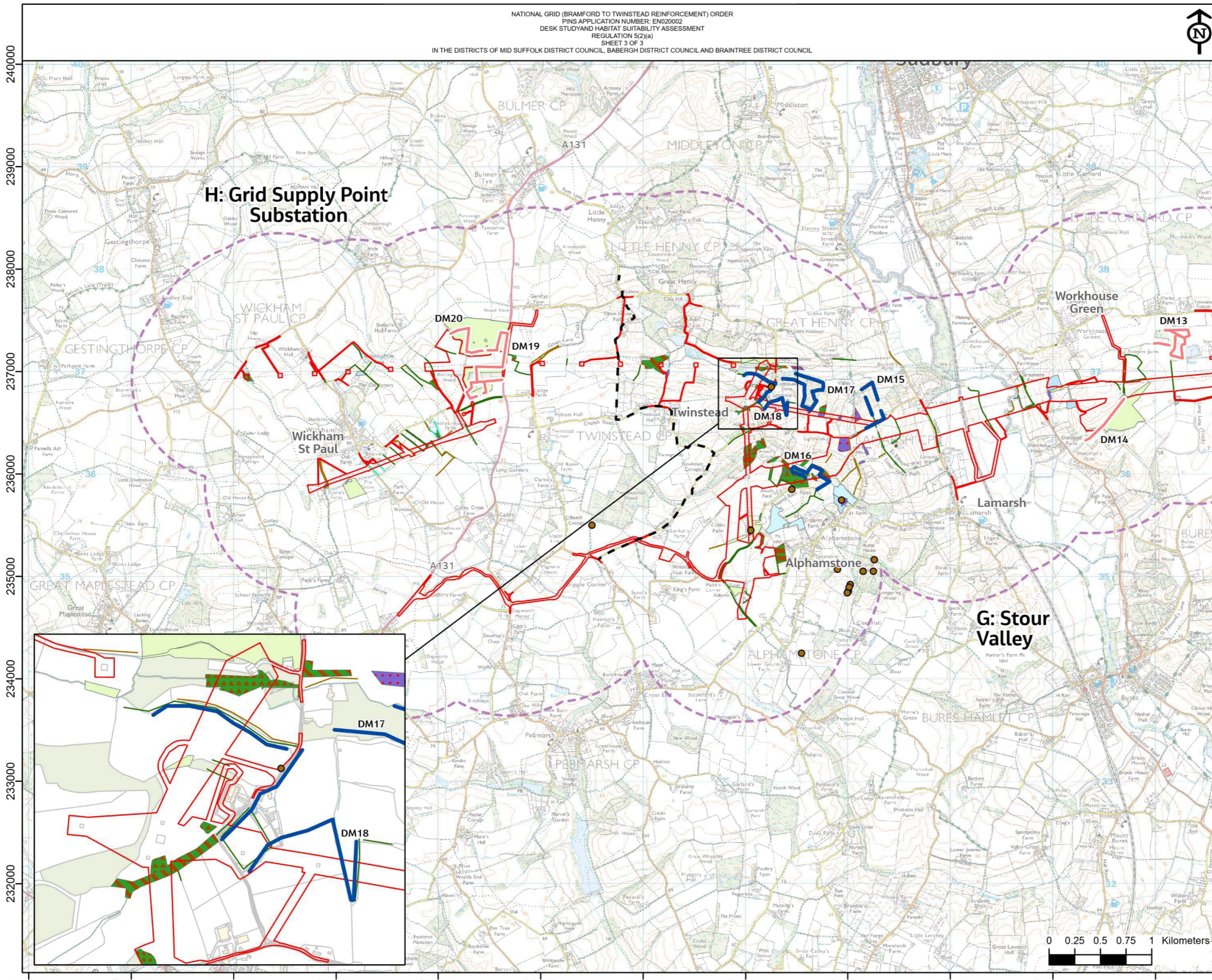
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TITLE: Figure 7.8.1  
 Desk Study  
 and Habitat Suitability Assessment

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 Bramford – Pelham & Bramford  
 – Braitree – Bulls Lodge

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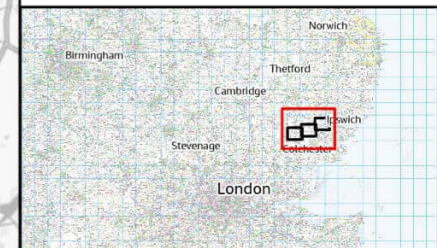
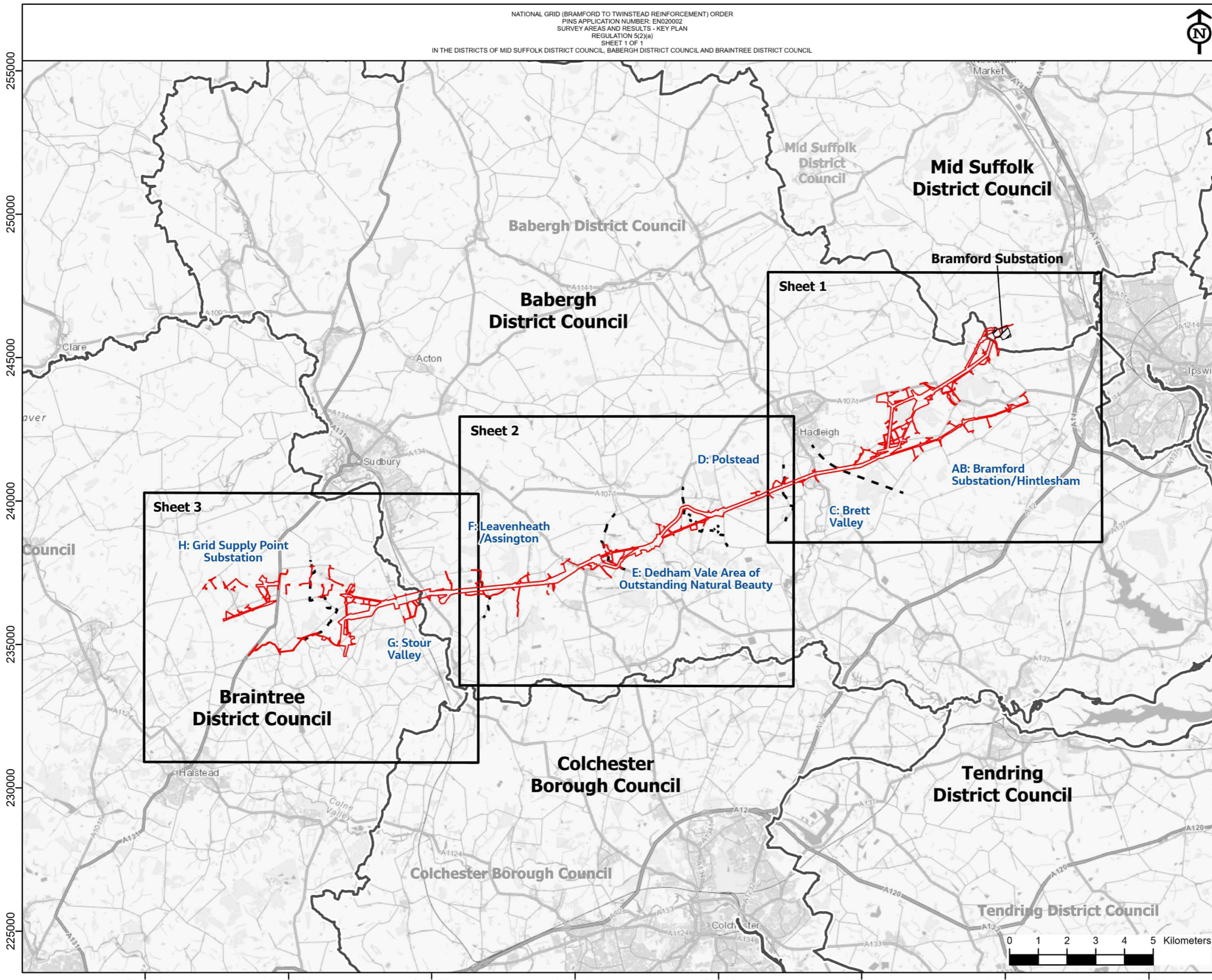
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Legend

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



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TITLE: Figure 7.8.2  
 Survey Areas and Results - Key Plan

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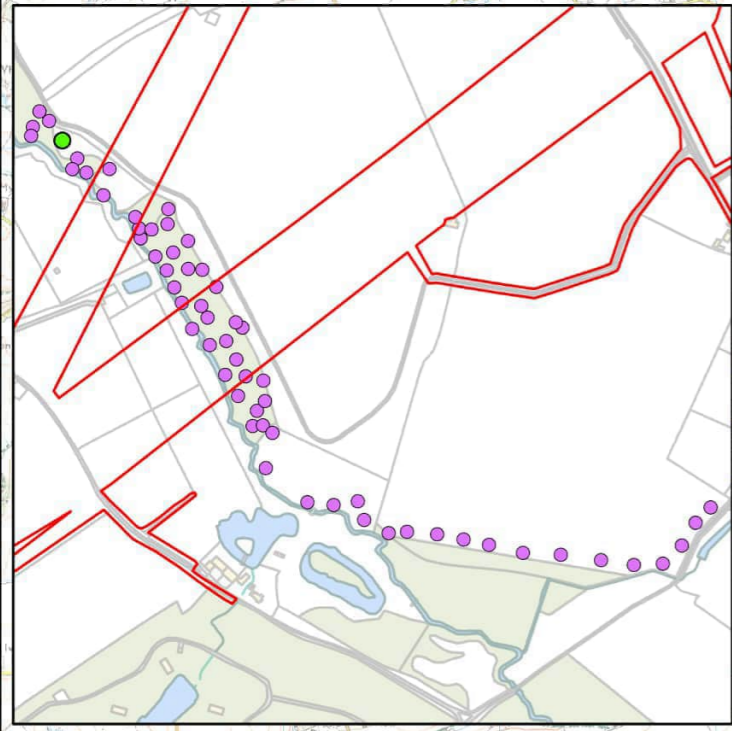
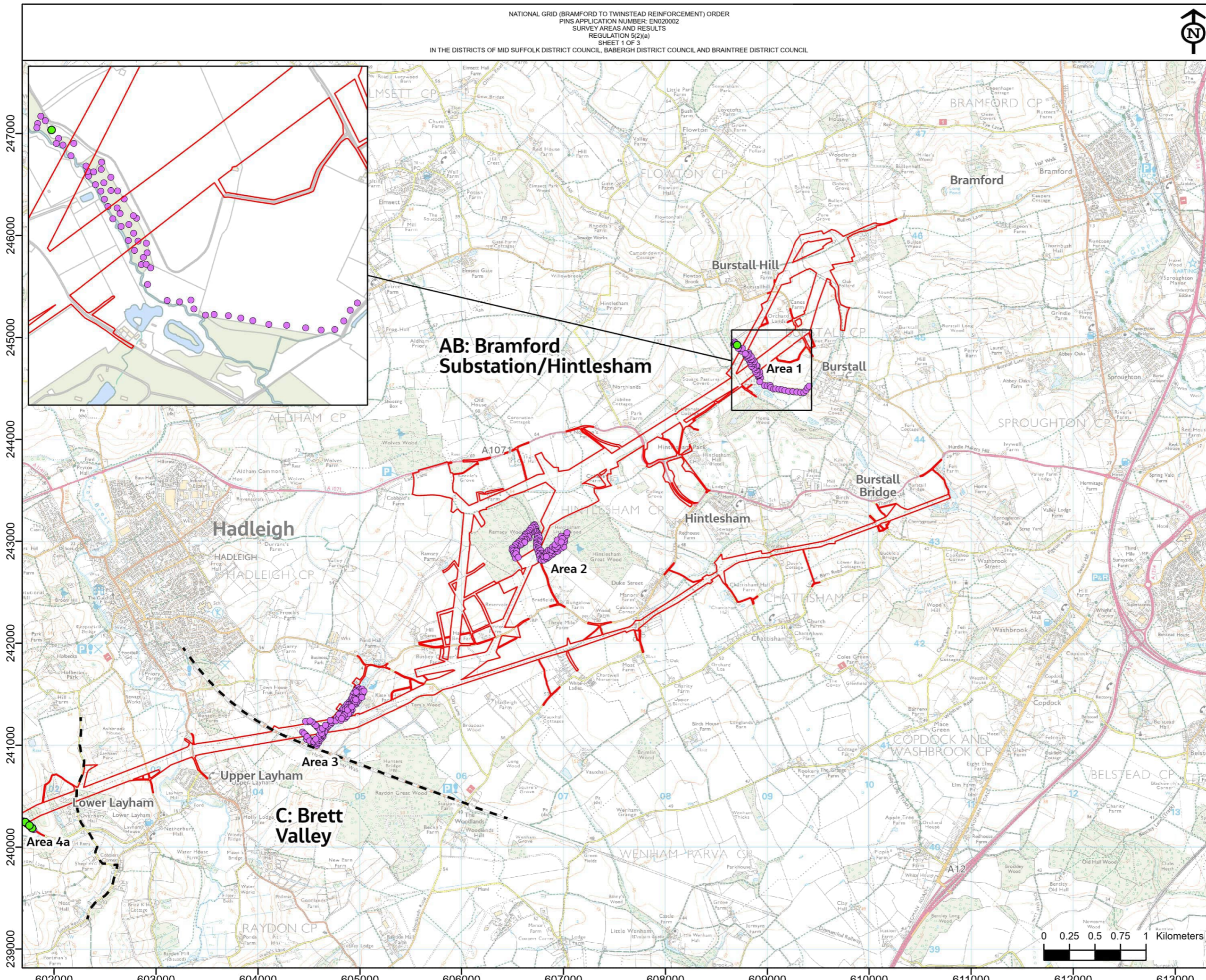
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- Section boundaries
- Order Limits
- Dormouse present
- Dormouse tube location



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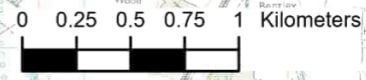
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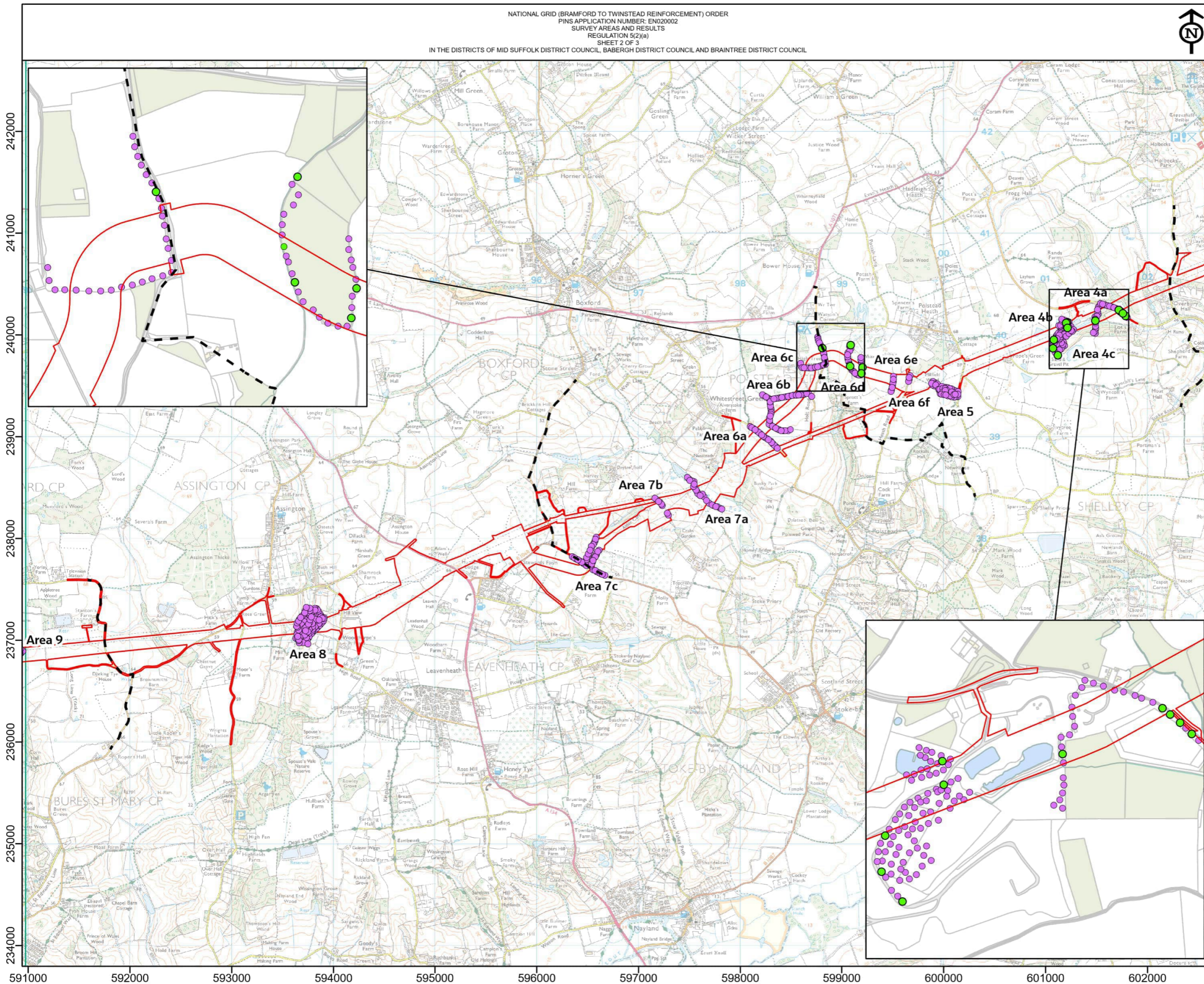
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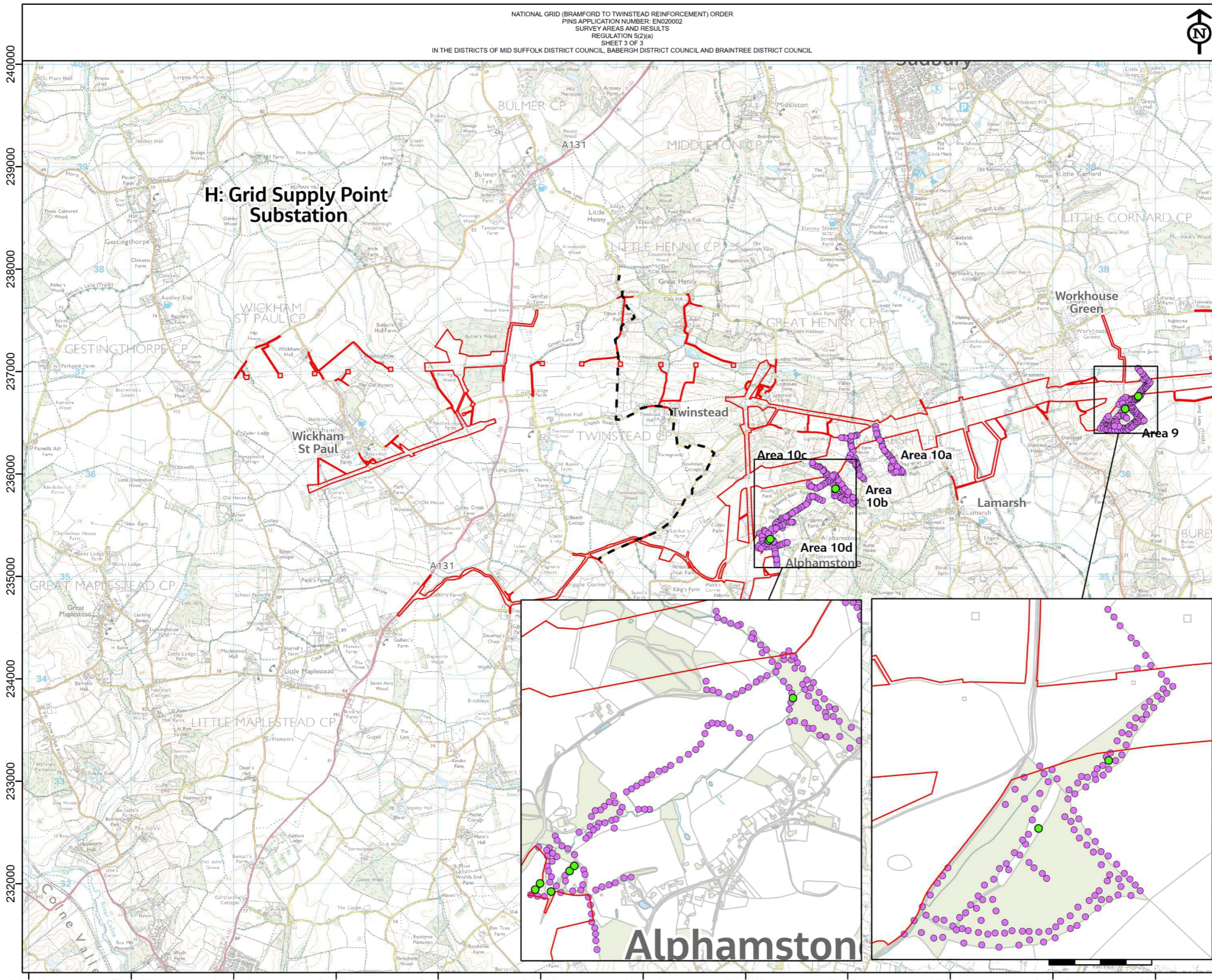
- Section boundaries
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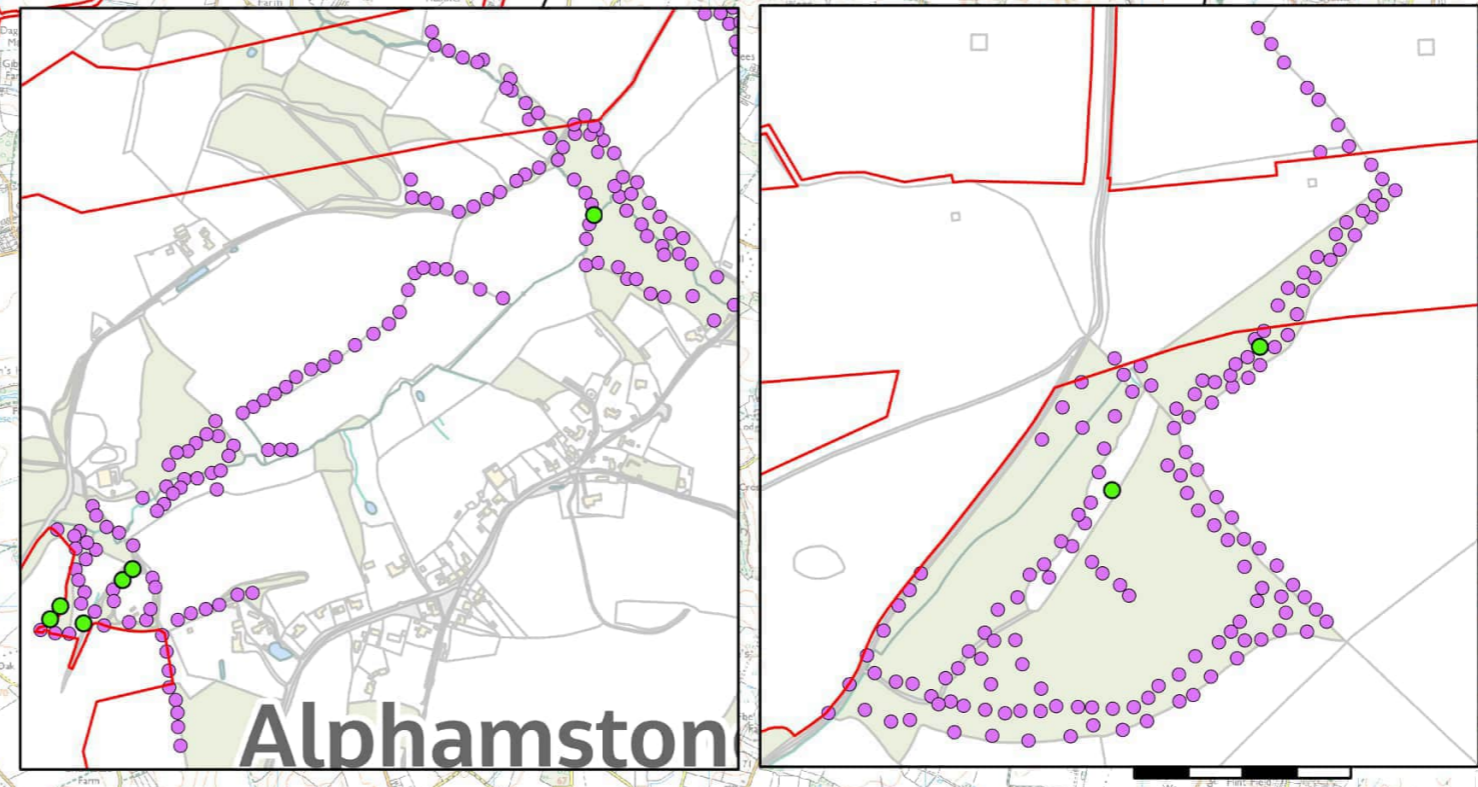
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- Section boundaries
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- Dormouse present
- Dormouse tube location

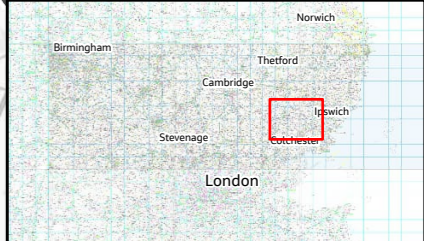
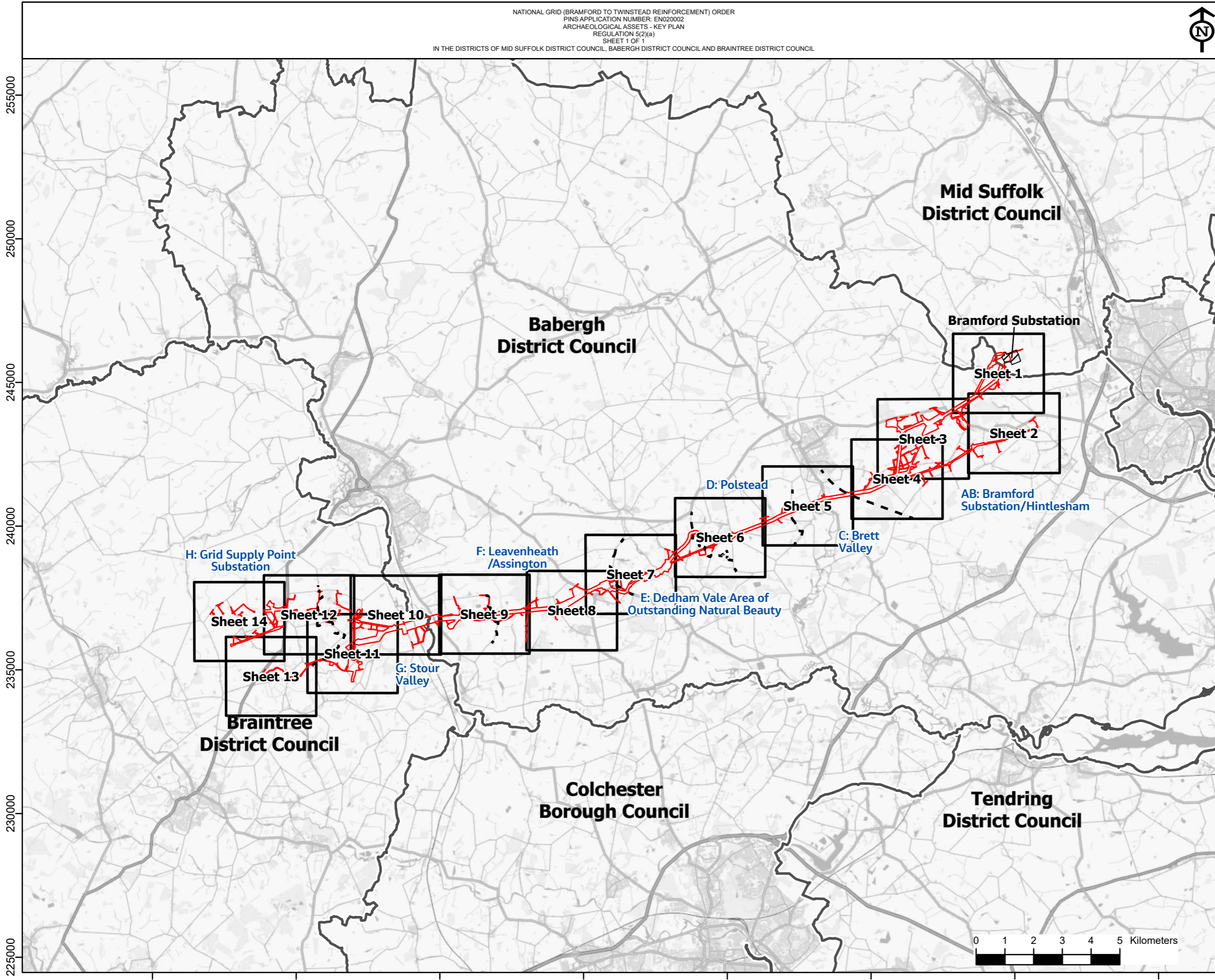


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- Section boundaries
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ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

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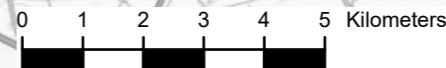


TITLE:  
**Figure 8.1 Archaeological Assets - Key Plan**

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

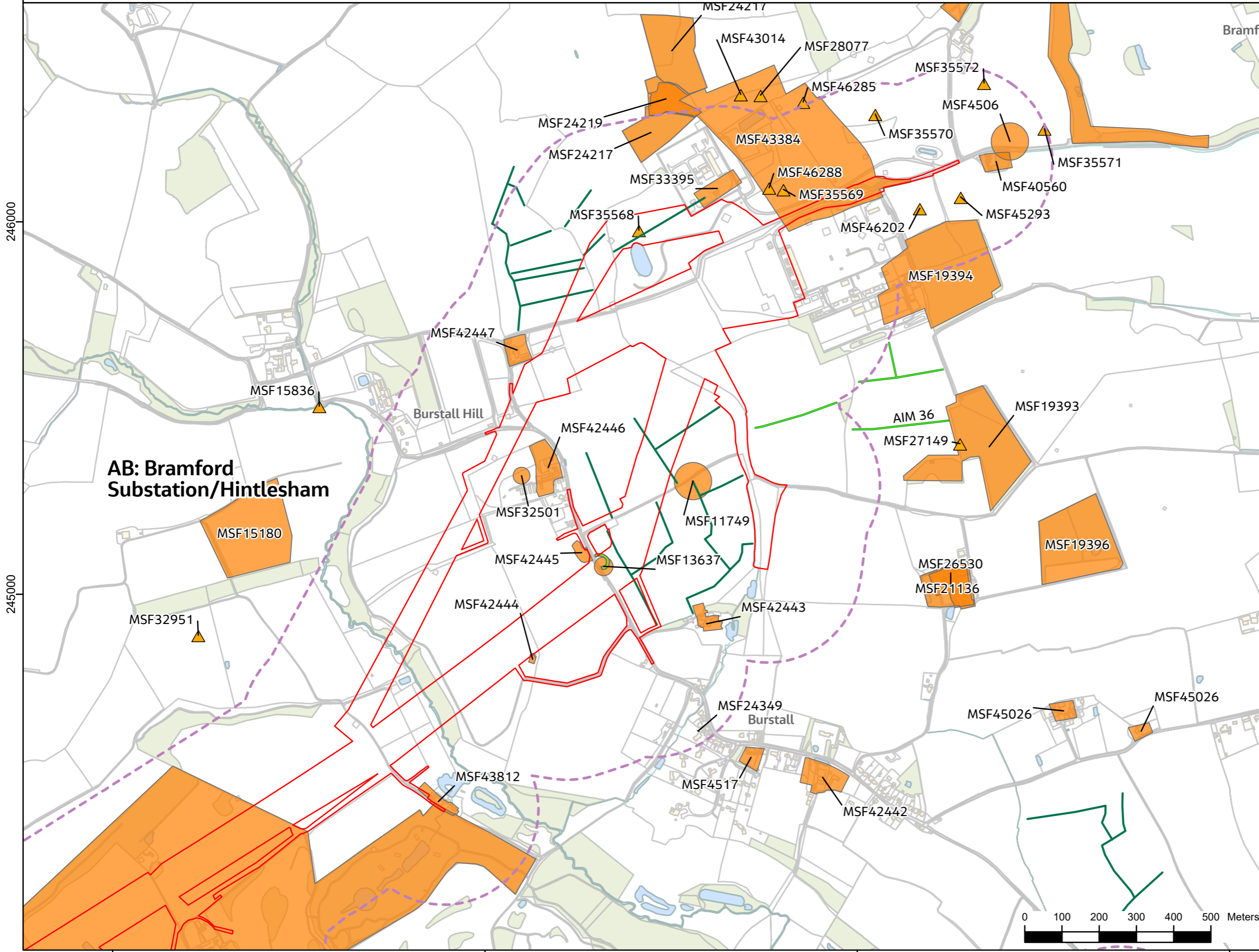
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NG DRAWING No. BT-JAC-020631-500-0063	SHEET NO. <b>1</b>	NO. OF SHEETS <b>1</b>	ISSUE: <b>A</b>
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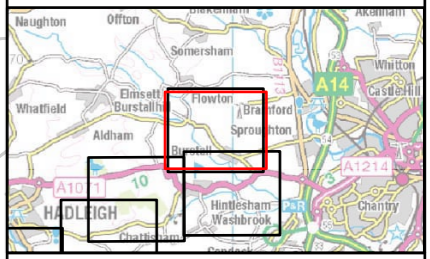




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- Legend**
- - - Section boundaries
  - Order Limits
  - Study Area (250m)
  - Scheduled Monument
  - Cropmark (Non-designated archaeological asset)
    - from Historic Environment Record
    - from Aerial Investigation and Mapping (AIM)
  - Geophysical Survey
    - Non-designated heritage asset
  - Historic Environment Record (Essex)
    - Non-designated heritage asset
  - Historic Environment Record (Suffolk)
    - Non-designated heritage asset



NG Investment No. ETX/01142

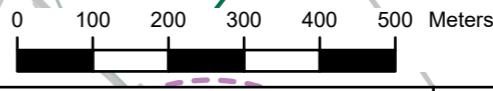
A	04/2023	Rev A for DCO Application	ML	JG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**



TITLE: **Figure 8.1 Archaeological Assets**

CIRCUIT / SITE: Bramford – Pelham & Bramford – Braintree – Bulls Lodge		GIS
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NG DRAWING No. BT-JAC-020631-500-0063	SHEET NO. 1	NO. OF SHEETS 14
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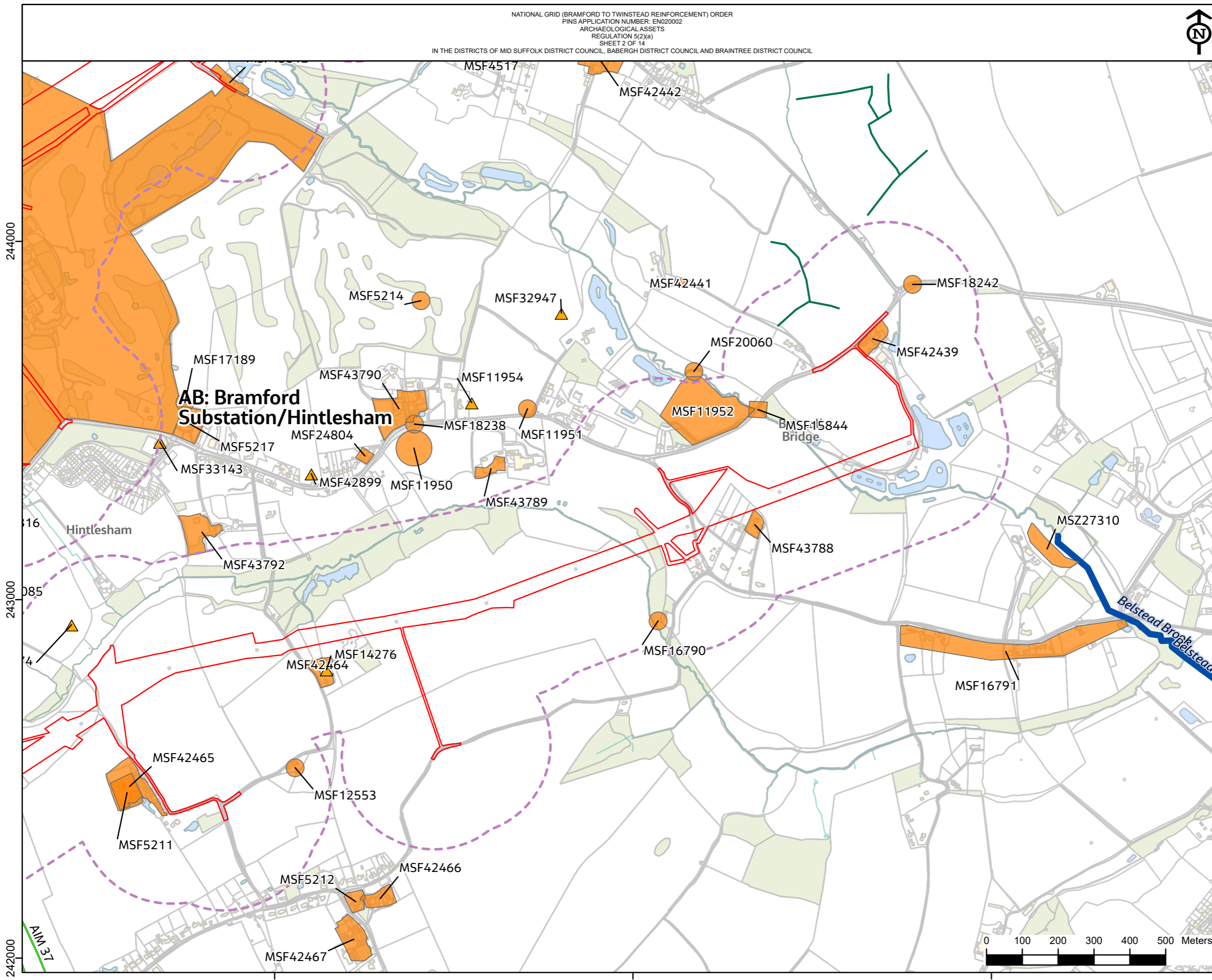
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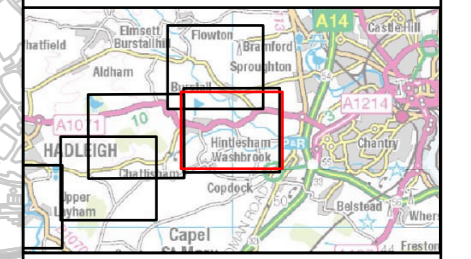


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**Legend**

- Section boundaries
- Order Limits
- Study Area (250m)
- Scheduled Monument
- Cropmark (Non-designated archaeological asset)
  - from Historic Environment Record
  - from Aerial Investigation and Mapping (AIM)
- Geophysical Survey
  - Non-designated heritage asset
- Historic Environment Record (Essex)
  - Non-designated heritage asset
- Historic Environment Record (Suffolk)
  - Non-designated heritage asset



NG Investment No. ETX/01142

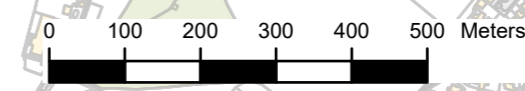
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD
A	04/2023	Rev A for DCO Application	ML	JG	CW

PROJECT: **Bramford to Twinstead Reinforcement**



TITLE: **Figure 8.1 Archaeological Assets**

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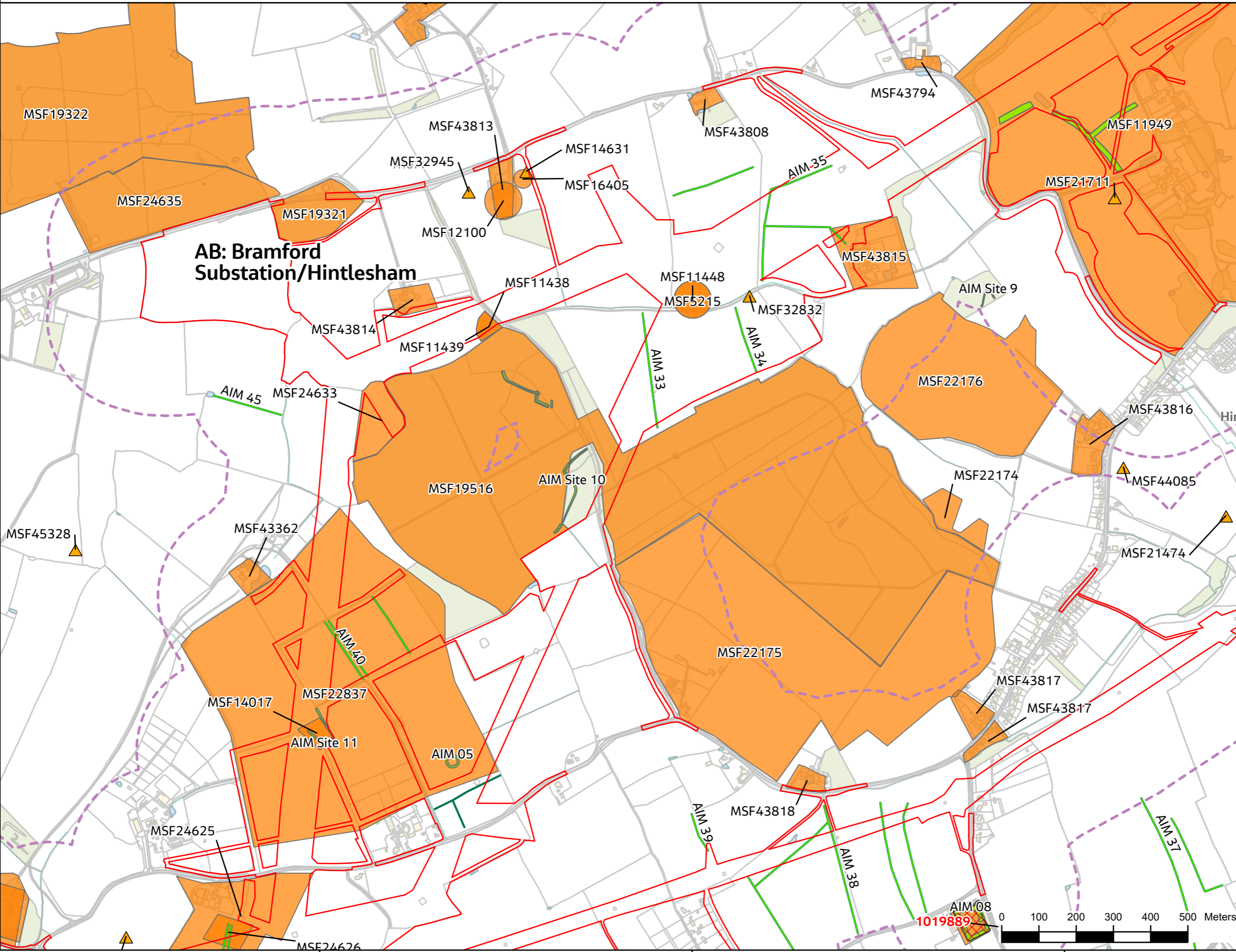


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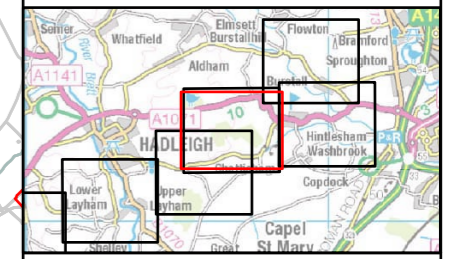
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- Legend**
- - - Section boundaries
  - Order Limits
  - Study Area (250m)
  - Scheduled Monument
  - Cropmark (Non-designated archaeological asset)
    - from Historic Environment Record
    - from Aerial Investigation and Mapping (AIM)
  - Geophysical Survey
    - Non-designated heritage asset
  - Historic Environment Record (Essex)
    - Non-designated heritage asset
  - Historic Environment Record (Suffolk)
    - Non-designated heritage asset



NG Investment No. ETX/01142

A	04/2023	Rev A for DCO Application	ML	JG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**

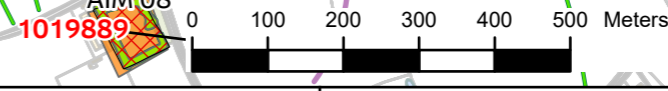
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TITLE: **Figure 8.1 Archaeological Assets**

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

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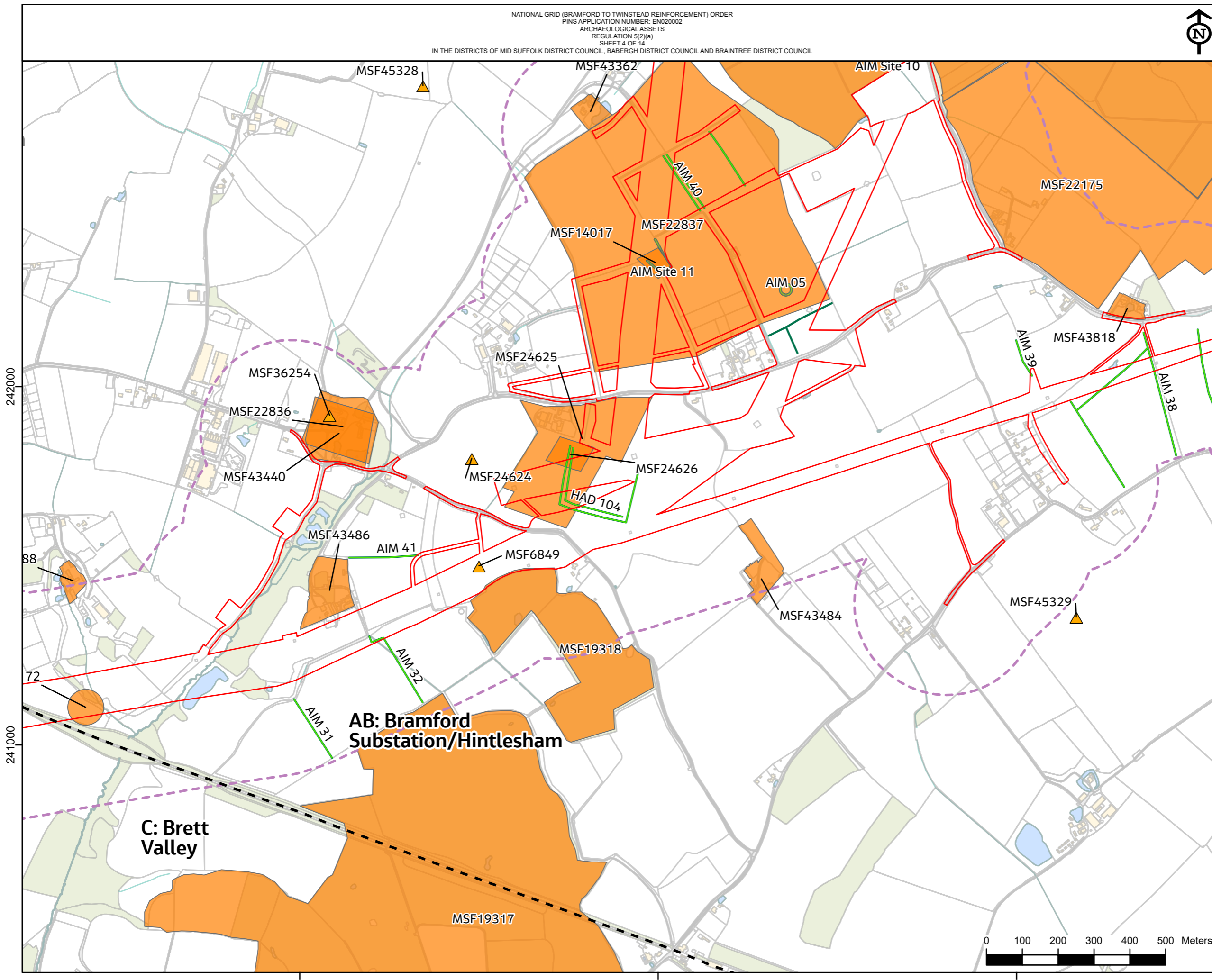
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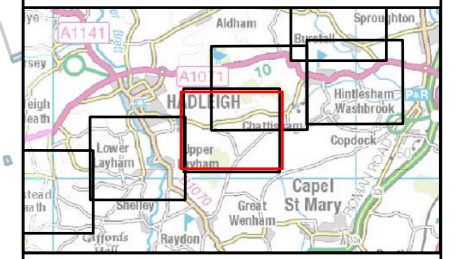
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- Legend**
- - - Section boundaries
  - Order Limits
  - Study Area (250m)
  - Scheduled Monument
  - Cropmark (Non-designated archaeological asset)
    - from Historic Environment Record
    - from Aerial Investigation and Mapping (AIM)
  - Geophysical Survey
    - Non-designated heritage asset
  - Historic Environment Record (Essex)
    - Non-designated heritage asset
  - Historic Environment Record (Suffolk)
    - Non-designated heritage asset



NG Investment No. ETX/01142

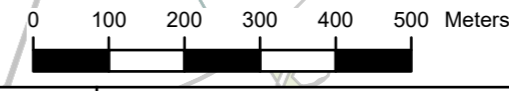
A	04/2023	Rev A for DCO Application	ML	JG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement



TITLE: Figure 8.1 Archaeological Assets

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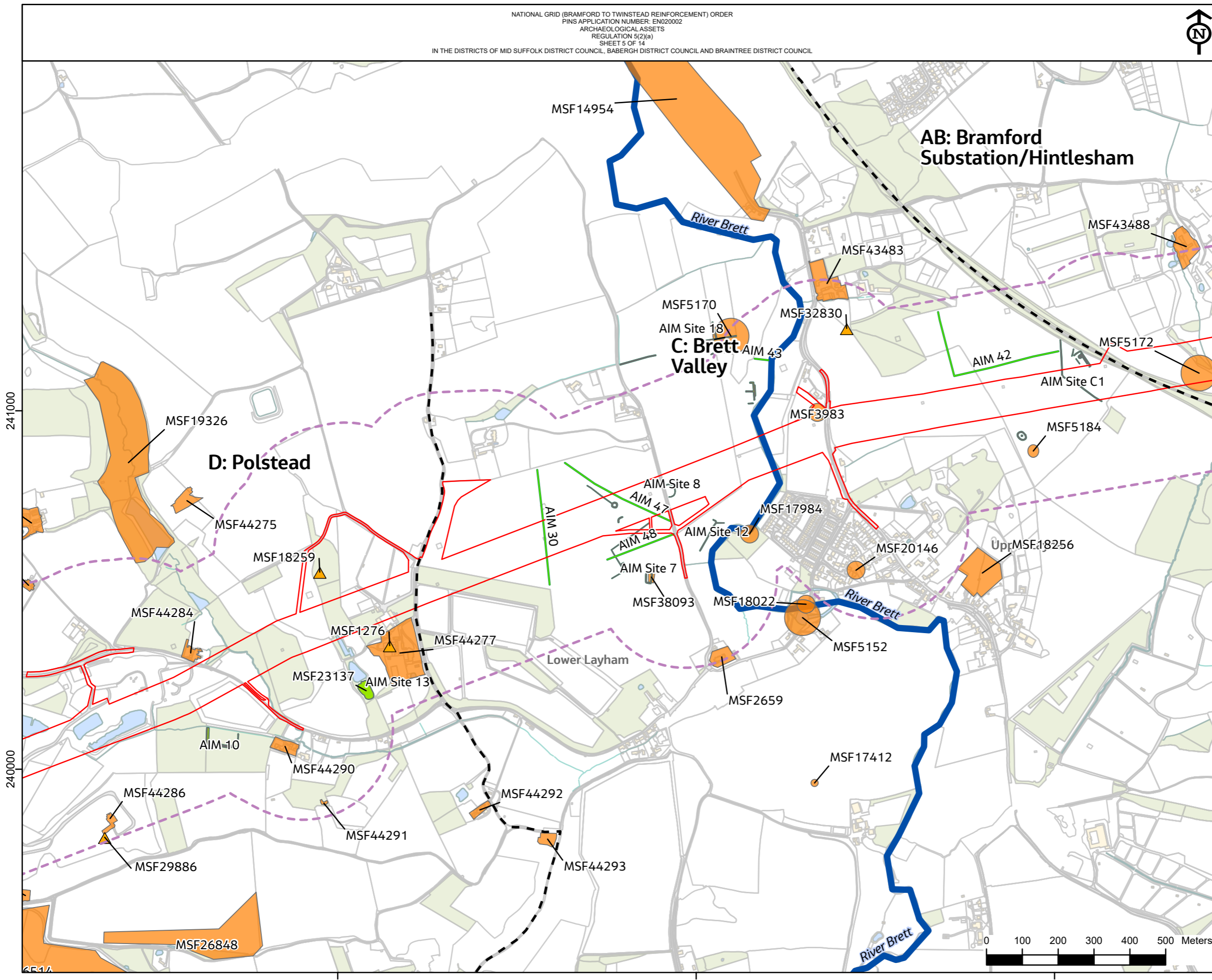
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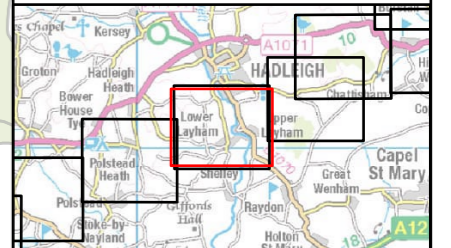




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- Legend**
- - - Section boundaries
  - Order Limits
  - ▭ Study Area (250m)
  - ⊠ Scheduled Monument
  - Cropmark (Non-designated archaeological asset)
    - } from Historic Environment Record
    - } from Aerial Investigation and Mapping (AIM)
  - Geophysical Survey
    - Non-designated heritage asset
  - Historic Environment Record (Essex)
    - ▲ } Non-designated heritage asset
    - } Non-designated heritage asset
  - Historic Environment Record (Suffolk)
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    - } Non-designated heritage asset



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A	04/2023	Rev A for DCO Application	ML	JG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**

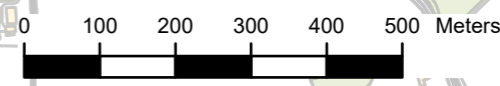
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TITLE: **Figure 8.1  
Archaeological Assets**

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

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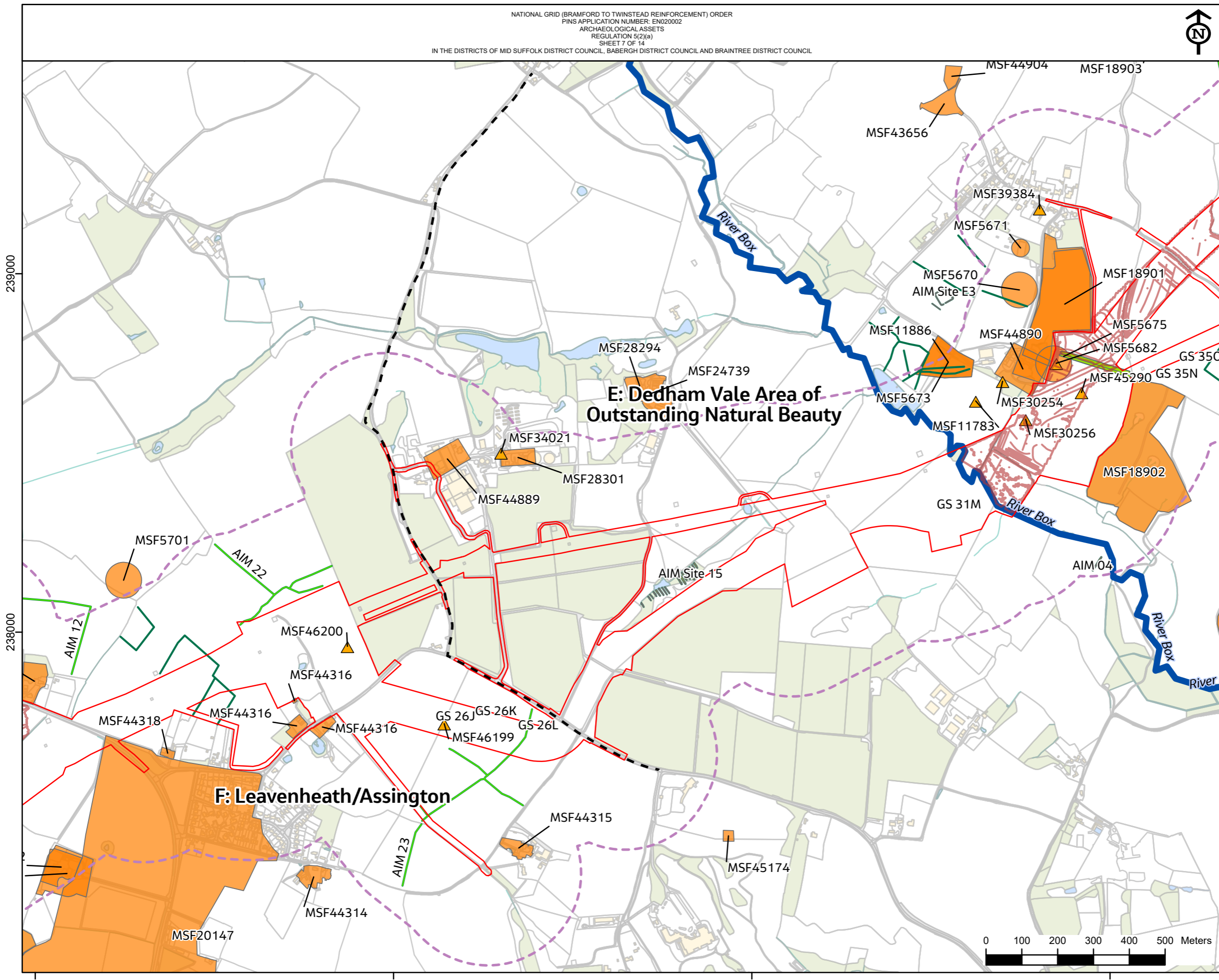
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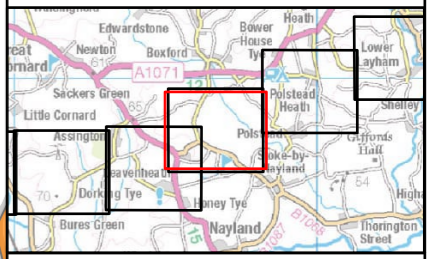




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- Legend**
- - - Section boundaries
  - Order Limits
  - Study Area (250m)
  - Scheduled Monument
  - Cropmark (Non-designated archaeological asset)
  - from Historic Environment Record
  - from Aerial Investigation and Mapping (AIM)
  - Geophysical Survey
  - Non-designated heritage asset
  - Historic Environment Record (Essex)
  - Non-designated heritage asset
  - Historic Environment Record (Suffolk)
  - Non-designated heritage asset



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A	04/2023	Rev A for DCO Application	ML	JG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement

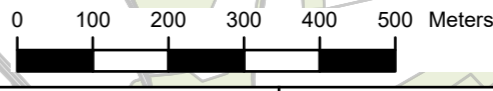


TITLE: Figure 8.1  
 Archaeological Assets

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

ORIGINATOR DRAWING NO. AAA\_BTT\_Figure\_8\_1\_Rev0 A3

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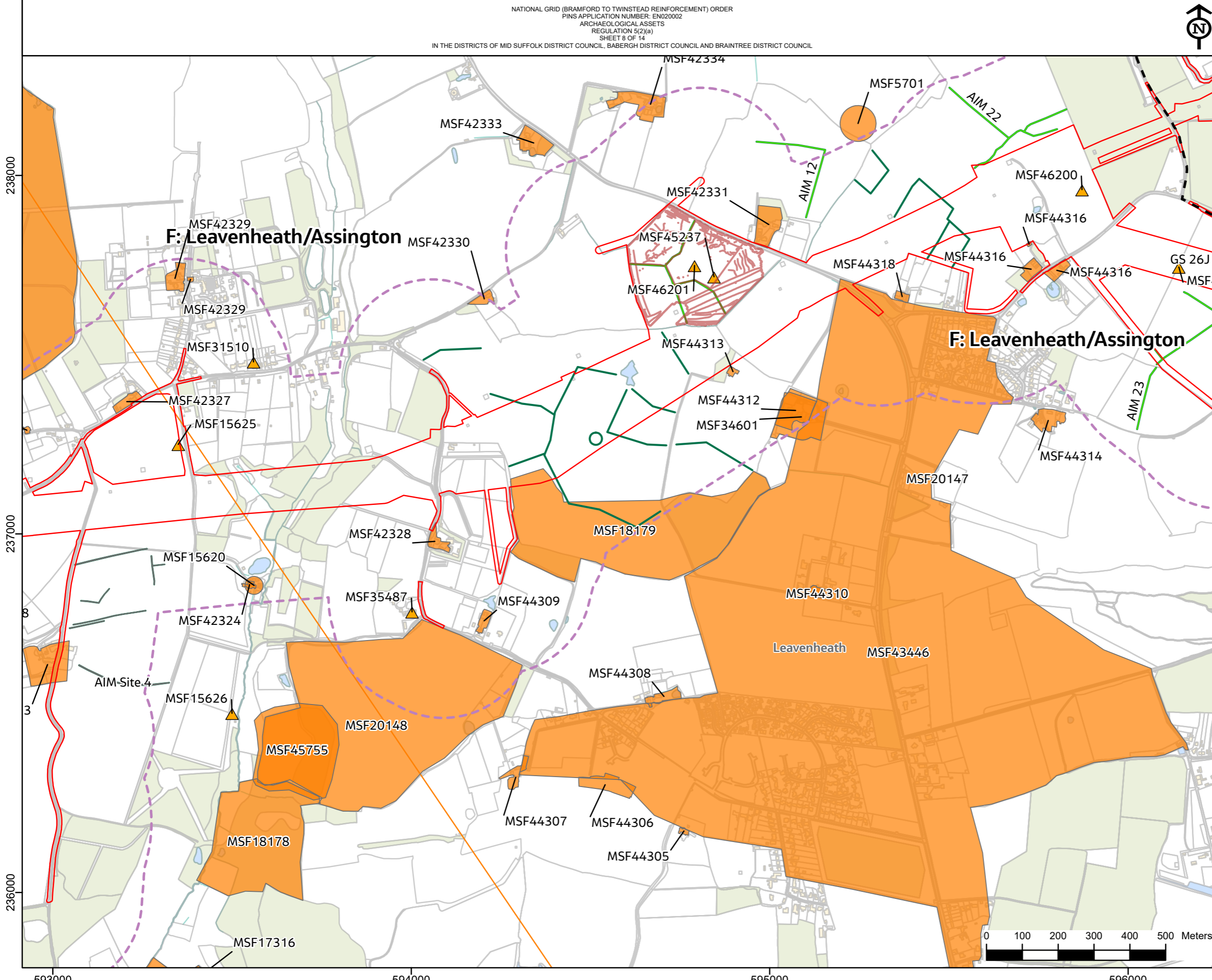
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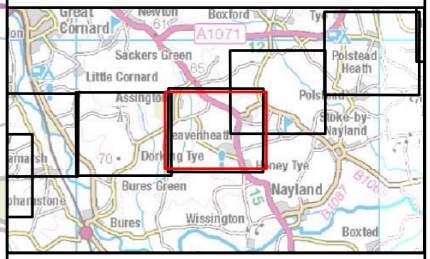
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- Legend**
- - - Section boundaries
  - Order Limits
  - Study Area (250m)
  - Scheduled Monument
  - Cropmark (Non-designated archaeological asset)
    - from Historic Environment Record
    - from Aerial Investigation and Mapping (AIM)
  - Geophysical Survey
    - Non-designated heritage asset
  - Historic Environment Record (Essex)
    - Non-designated heritage asset
  - Historic Environment Record (Suffolk)
    - Non-designated heritage asset



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ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**

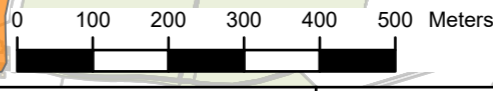
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TITLE: **Figure 8.1 Archaeological Assets**

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

ORIGINATOR DRAWING NO. **AAA\_BTT\_Figure\_8\_1\_Rev0** **A3**

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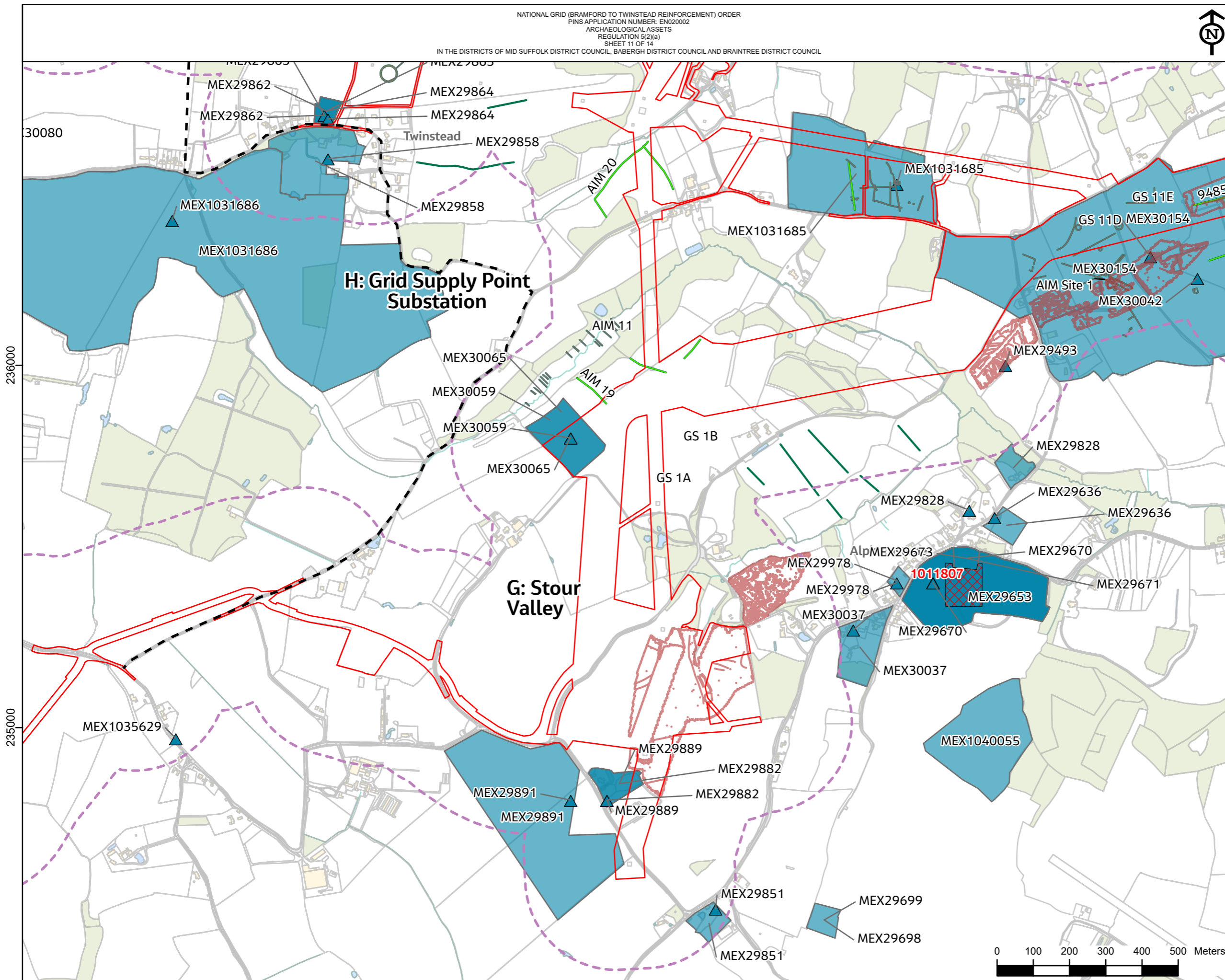
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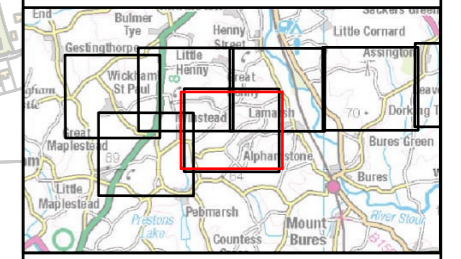




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- Legend**
- - - Section boundaries
  - Order Limits
  - Study Area (250m)
  - Scheduled Monument
  - Cropmark (Non-designated archaeological asset)
  - from Historic Environment Record
  - from Aerial Investigation and Mapping (AIM)
  - Geophysical Survey
  - Non-designated heritage asset
  - Historic Environment Record (Essex)
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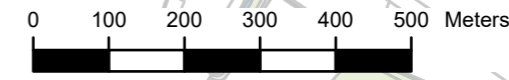
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ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**

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TITLE: **Figure 8.1 Archaeological Assets**

CIRCUIT / SITE : Bramford – Pelham & Bramford – Braintree – Bulls Lodge		GIS
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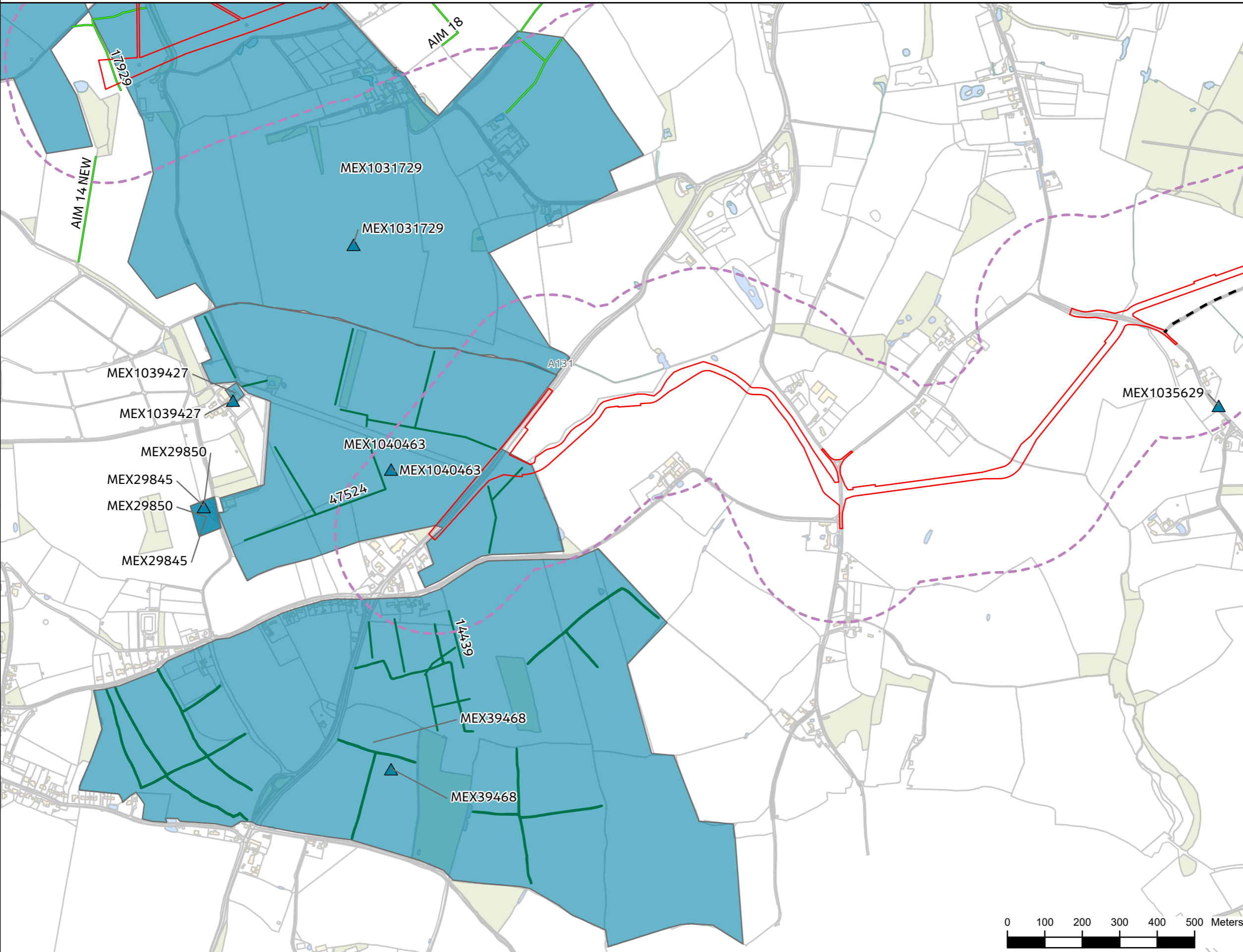
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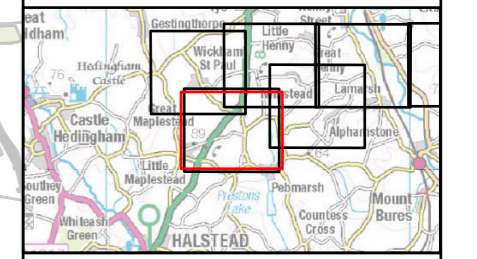
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- Legend**
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  - Scheduled Monument
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    - from Aerial Investigation and Mapping (AIM)
  - Geophysical Survey
    - Non-designated heritage asset
  - Historic Environment Record (Essex)
    - Non-designated heritage asset
  - Historic Environment Record (Suffolk)
    - Non-designated heritage asset



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A	04/2023	Rev A for DCO Application	ML	JG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement

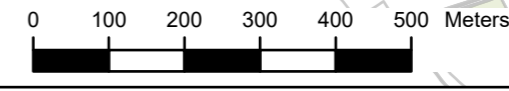


TITLE: Figure 8.1 Archaeological Assets

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

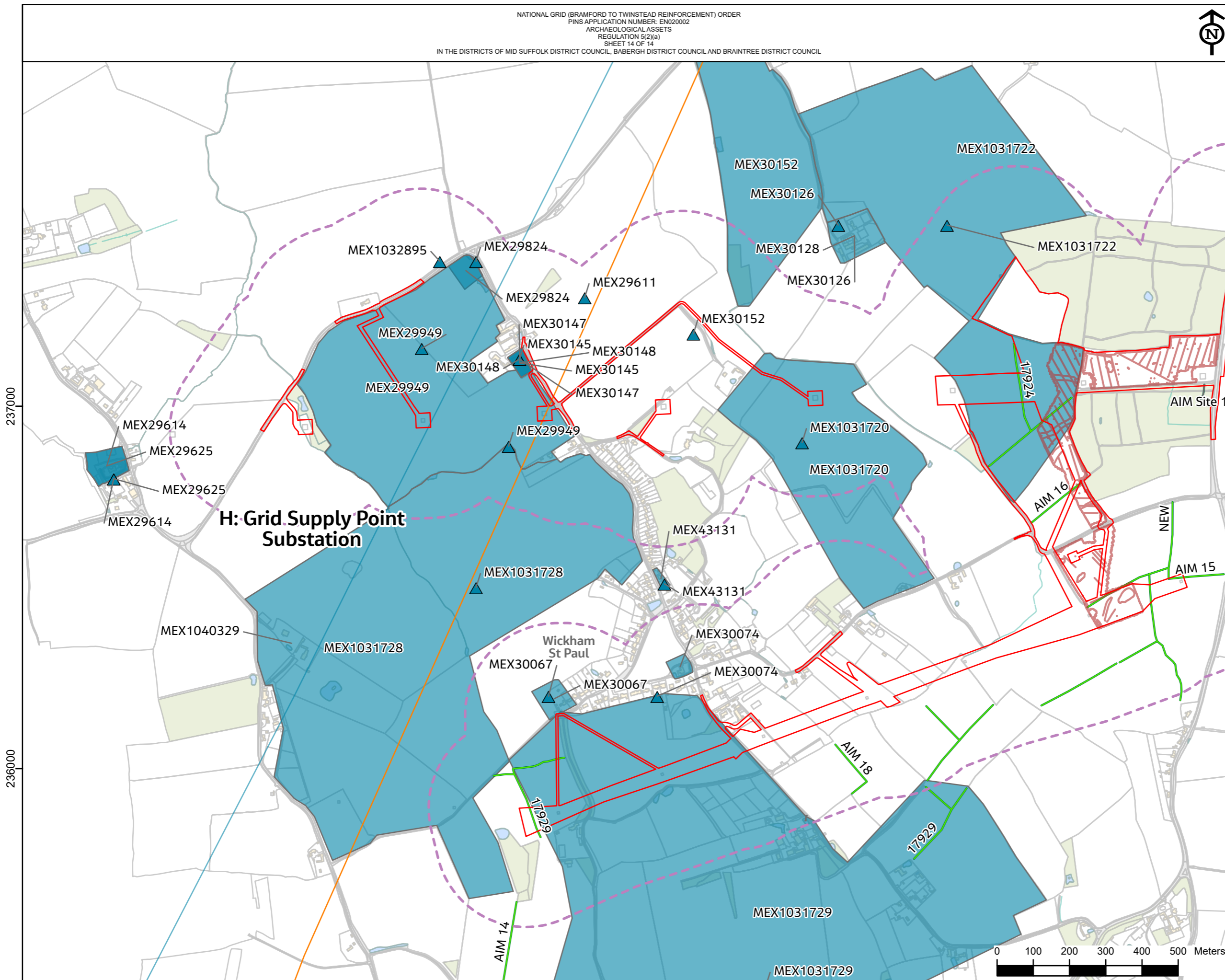
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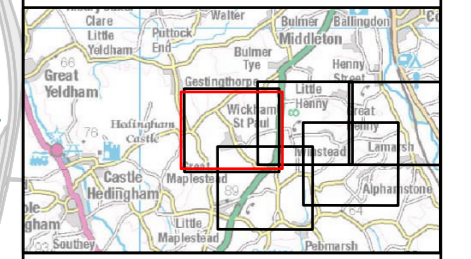




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- Legend**
- - - Section boundaries
  - Order Limits
  - ⬭ Study Area (250m)
  - ⊠ Scheduled Monument
  - ⬭ Cropmark (Non-designated archaeological asset)
    - ⬭ } from Historic Environment Record
    - ⬭ } from Aerial Investigation and Mapping (AIM)
  - ⬭ Geophysical Survey
    - ⬭ Non-designated heritage asset
  - Historic Environment Record (Essex)
    - ▲ } Non-designated heritage asset
    - } Non-designated heritage asset
  - Historic Environment Record (Suffolk)
    - ▲ } Non-designated heritage asset
    - } Non-designated heritage asset



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A	04/2023	Rev A for DCO Application	ML	JG	CW

PROJECT: Bramford to Twinstead Reinforcement

**nationalgrid**

TITLE: Figure 8.1  
Archaeological Assets

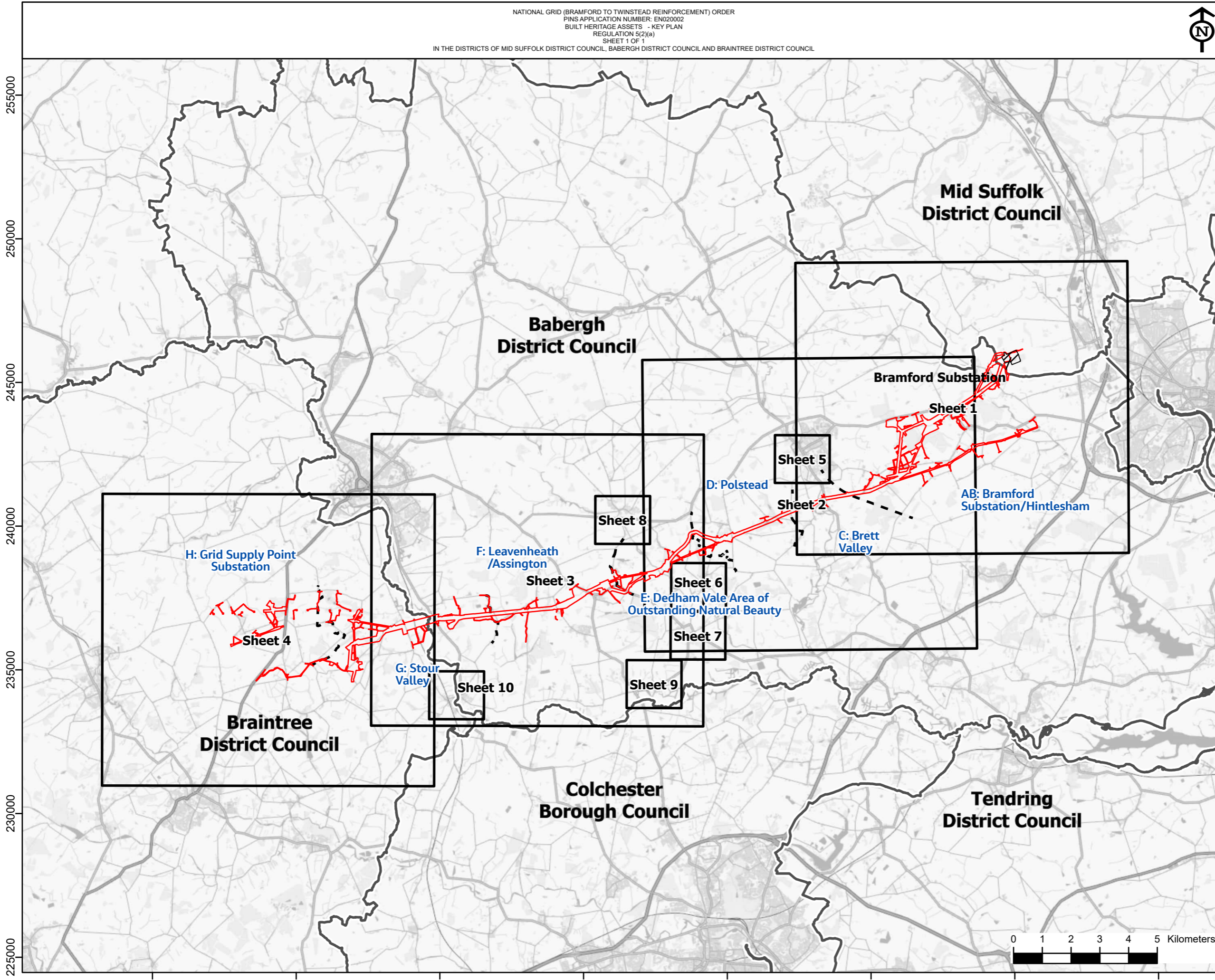
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	ISSUE: A



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Legend

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



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A	04/2023	Rev A for DCO Application	ML	JG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement

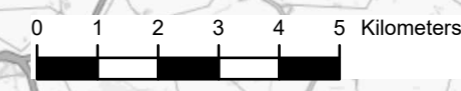


TITLE: Figure 8.2 Built Heritage Assets - Key Plan

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Bramford – Pelham & Bramford – Braintree – Bulls Lodge	

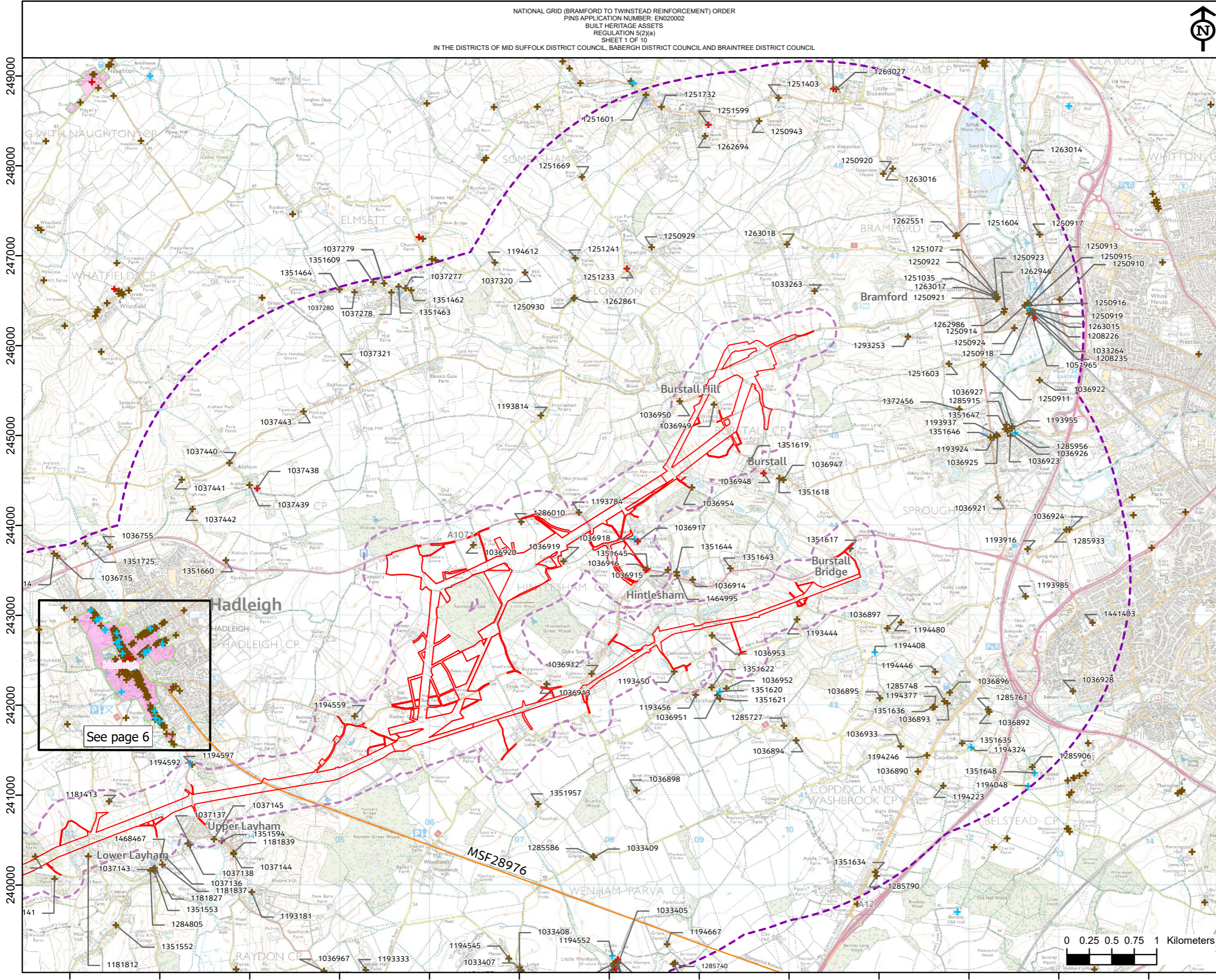
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**Legend**

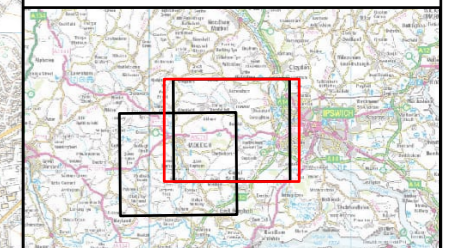
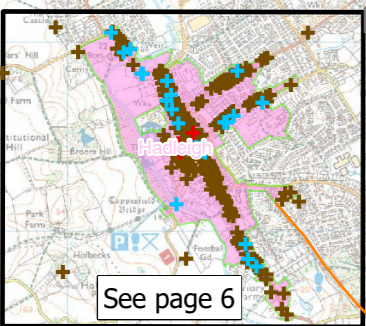
- Order Limits
- Study Area (250m)
- Wider Study Area (3km)
- Conservation Area

**Listed Building**

- + Grade I Listed Building
- + Grade II\* Listed Building
- + Grade II Listed Building

1194612 Listed Building Heritage ID (Within the 3km Study Area)

- Non-designated built heritage asset



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A	04/2023	Rev A for DCO Application	ML	JG	CW
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PROJECT: **Bramford to Twinstead Reinforcement**

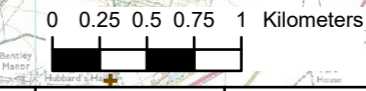
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TITLE: **Figure 8.2 Built Heritage Assets**

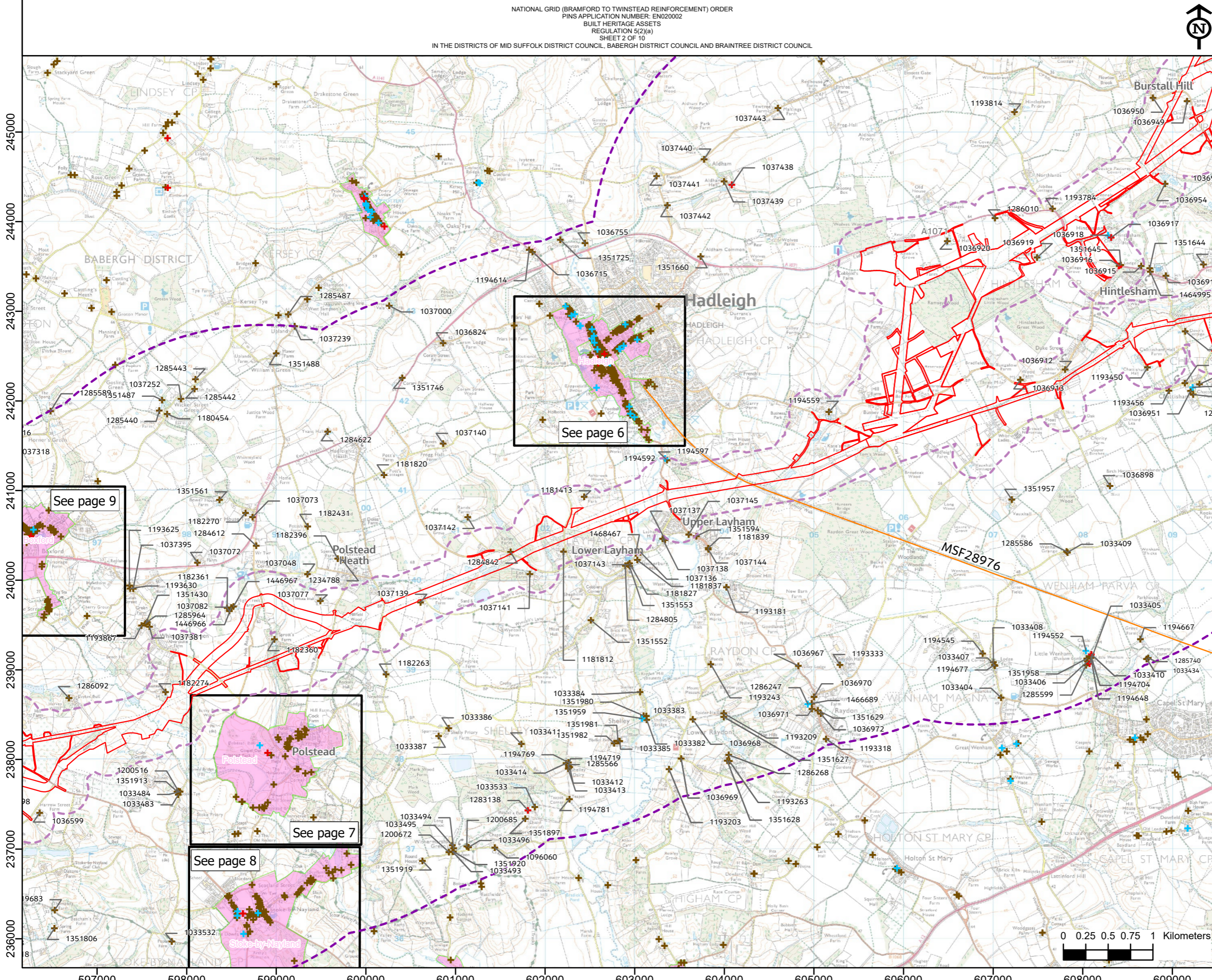
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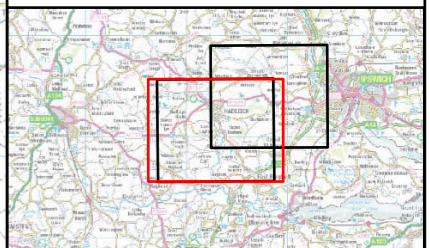
See page 6

See page 9

See page 7

See page 8

- Legend**
- Order Limits
  - Study Area (250m)
  - Wider Study Area (3km)
  - Conservation Area
- Listed Building**
- + Grade I Listed Building
  - + Grade II\* Listed Building
  - + Grade II Listed Building
  - 1194612 Listed Building Heritage ID (Within the 3km Study Area)
  - Non-designated built heritage asset



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ISSUE DATE		REMARKS	DRWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**

**nationalgrid**

TITLE: **Figure 8.2 Built Heritage Assets**

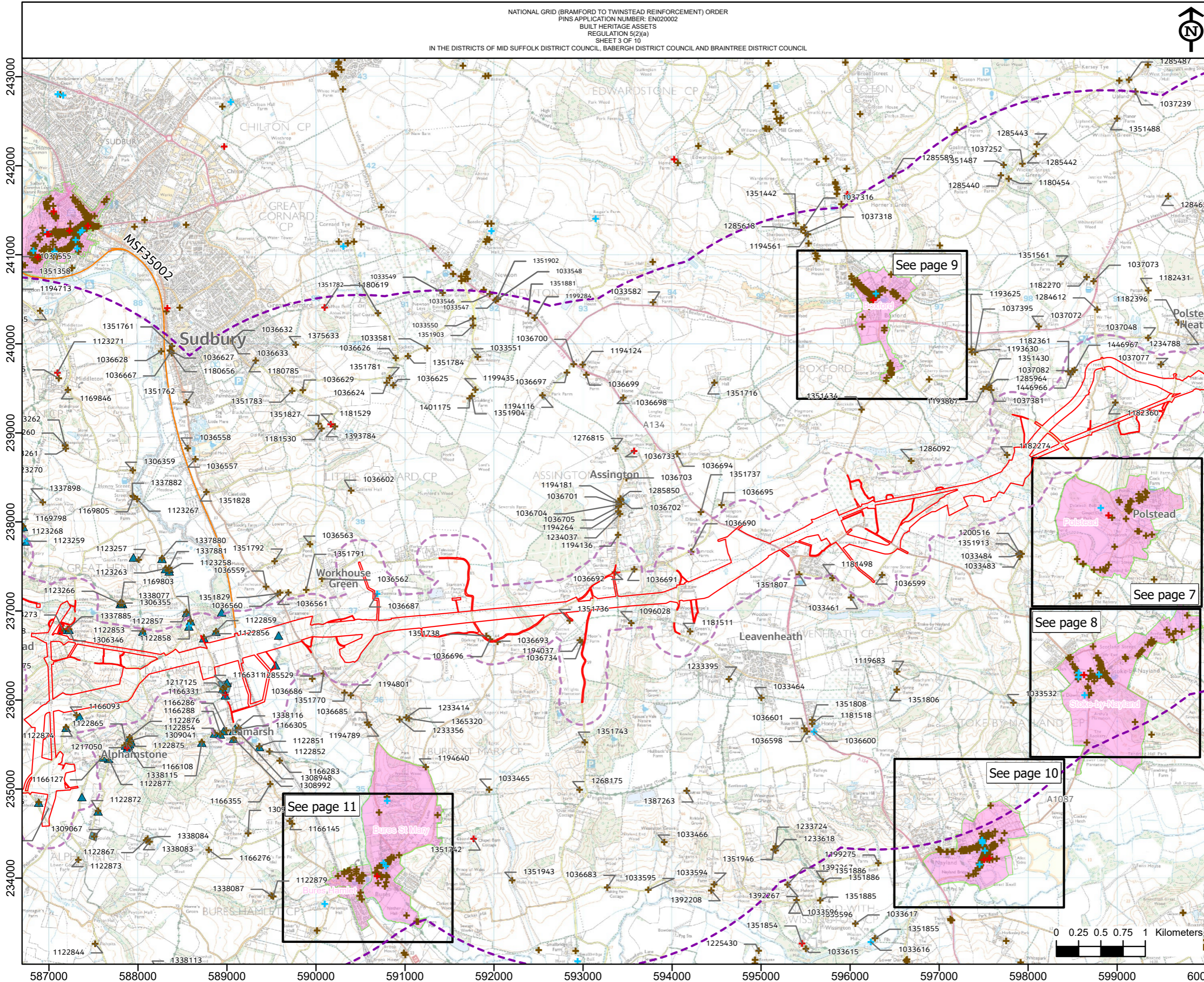
CIRCUIT / SITE: **Bramford – Pelham & Bramford – Braintree – Bulls Lodge** **GIS**

ORIGINATOR DRAWING NO. **AAA\_BTT\_Figure\_8\_2\_Rev0** **A3**

NG DRAWING No. BT-JAC-020631-500-0064	SHEET NO. <b>2</b>	NO. OF SHEETS <b>10</b>	ISSUE: <b>A</b>
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**Legend**

- Order Limits
- Study Area (250m)
- Wider Study Area (3km)
- Conservation Area

**Listed Building**

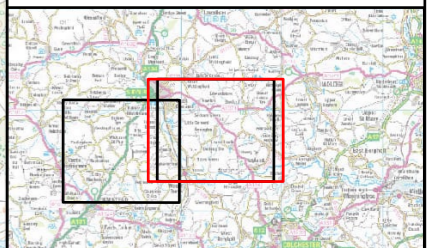
- + Grade I Listed Building
- + Grade II\* Listed Building
- + Grade II Listed Building
- 1194612 Listed Building Heritage ID (Within the 3km Study Area)

**Historic Environment Record (Essex)**

- ▲ } Non-designated built heritage asset
- } Non-designated built heritage asset

**Historic Environment Record (Suffolk)**

- Non-designated built heritage asset



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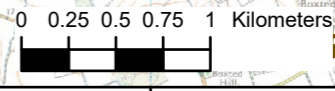
**nationalgrid**

TITLE: **Figure 8.2 Built Heritage Assets**

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

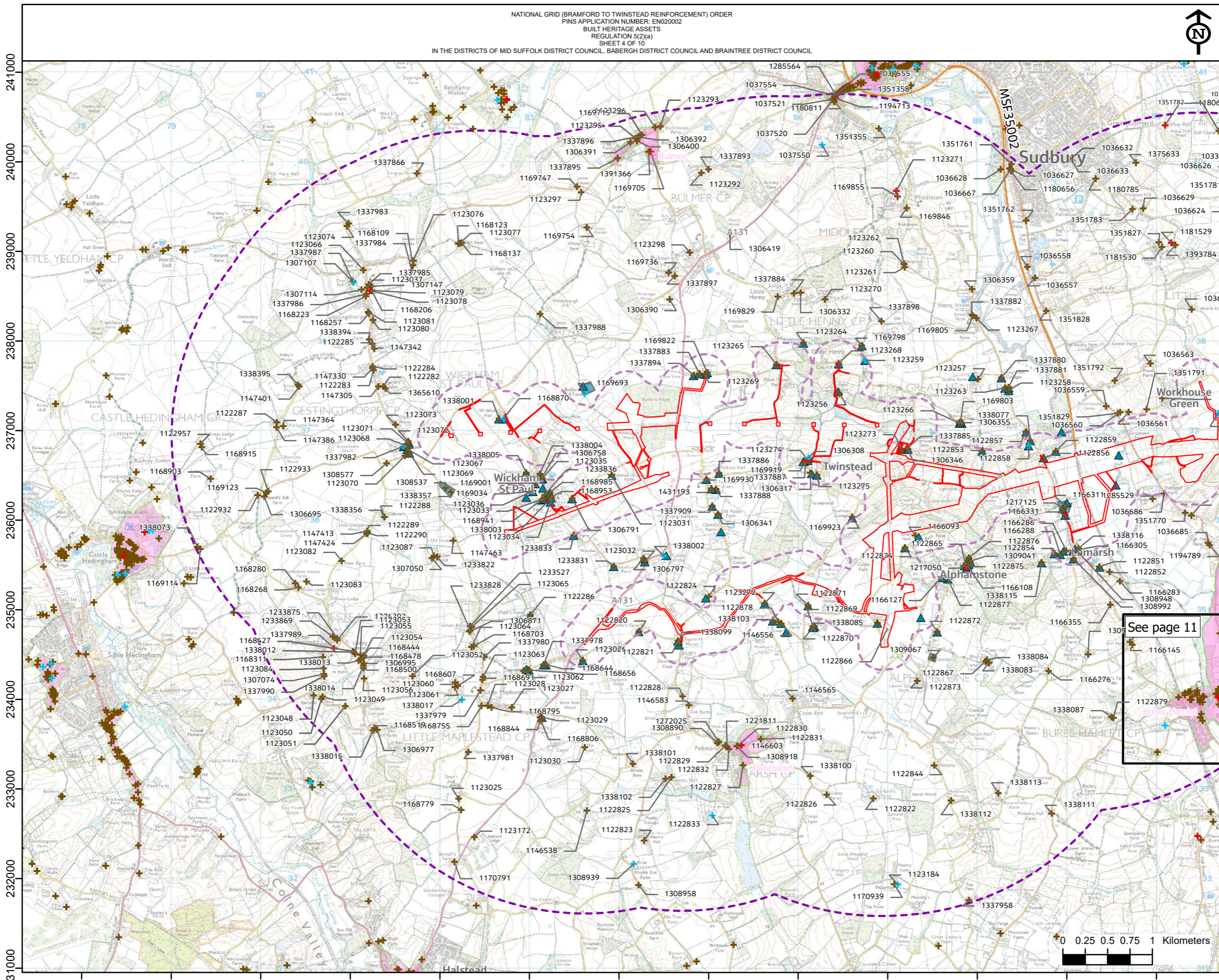
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NG DRAWING No. **BT-JAC-020631-500-0064** SHEET NO. **3** NO. OF SHEETS **10** ISSUE: **A**





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**Legend**

- Order Limits
- Study Area (250m)
- Wider Study Area (3km)
- Conservation Area

**Listed Building**

- Grade I Listed Building
- Grade II\* Listed Building
- Grade II Listed Building

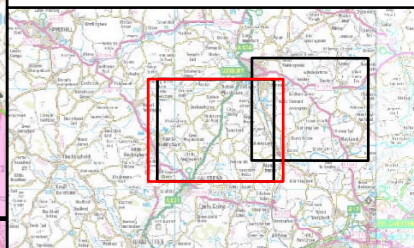
Listed Building Heritage ID (Within the 3km Study Area)

**Historic Environment Record (Essex)**

- Non-designated built heritage asset

**Historic Environment Record (Suffolk)**

- Non-designated built heritage asset



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TITLE: Figure 8.2 Built Heritage Assets

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

ORIGINATOR DRAWING NO. AAA\_BTT\_Figure\_8\_2\_Rev0\_p4\_p5

NG DRAWING No. BT-JAC-020631-500-0064	SHEET NO. 4	NO. OF SHEETS 10	ISSUE: A
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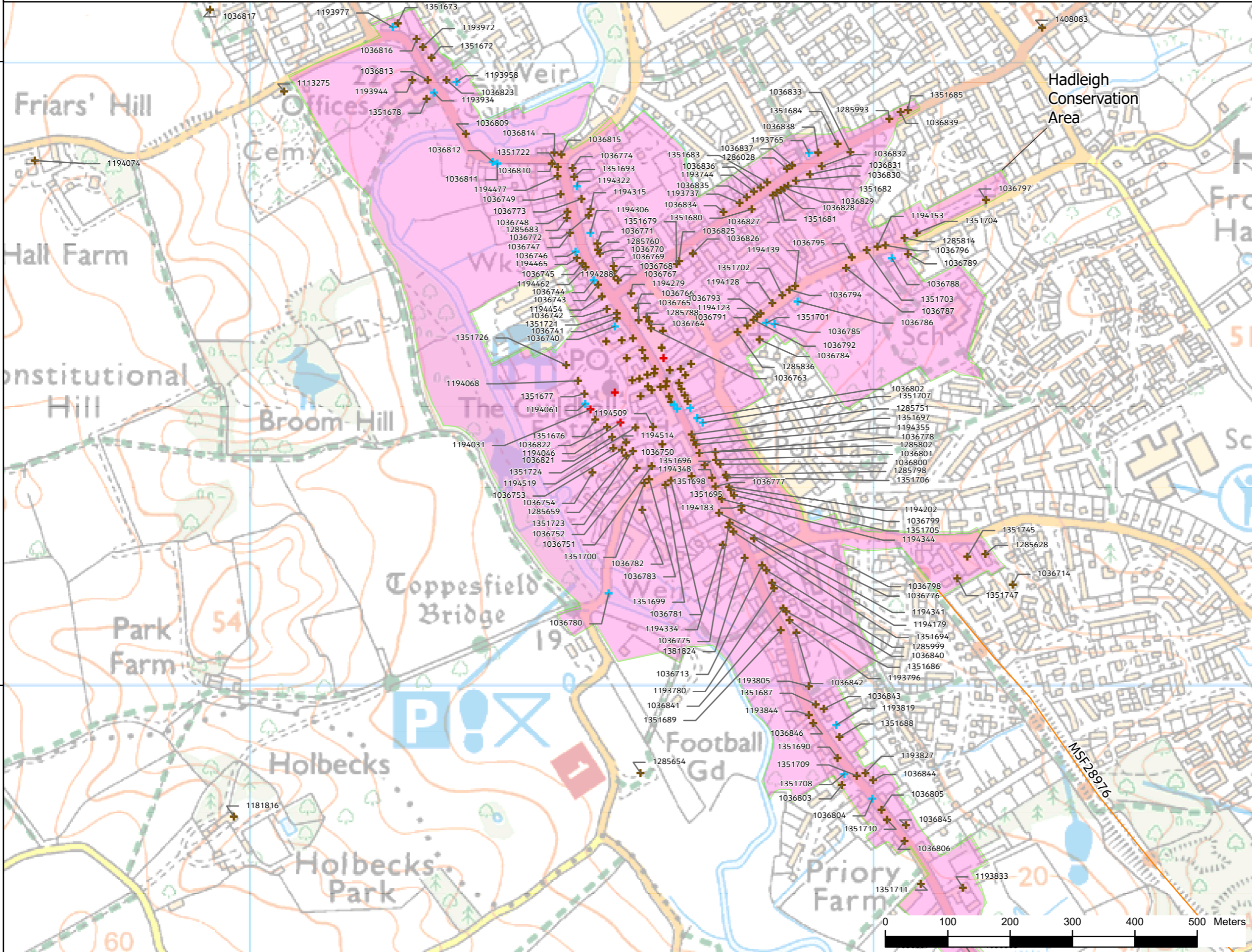




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- Legend**
- Order Limits
  - Study Area (250m)
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- Listed Building**
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PROJECT: **Bramford to Twinstead Reinforcement**

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TITLE: **Figure 8.2 Built Heritage Assets**

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

ORIGINATOR DRAWING NO. **AAA\_BTT\_Figure\_8\_2\_Rev0\_Insets** **A3**

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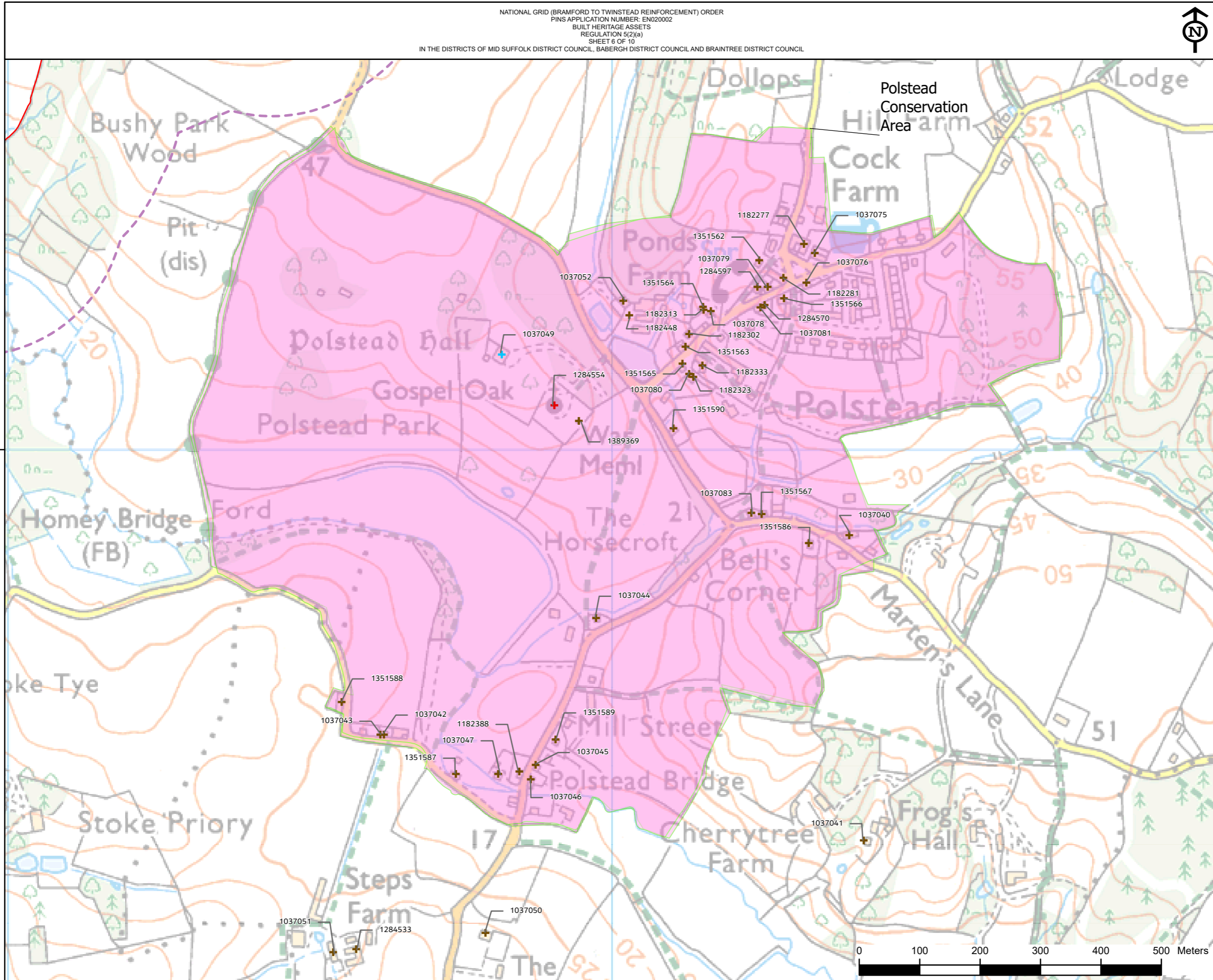
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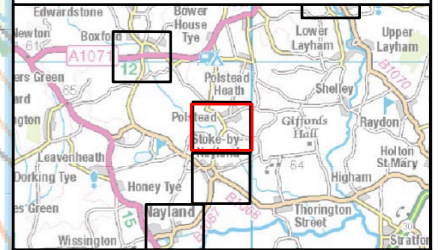




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TITLE: **Figure 8.2 Built Heritage Assets**

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

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NG DRAWING No. **BT-JAC-020631-500-0064** SHEET NO. **6** NO. OF SHEETS **10** ISSUE: **A**



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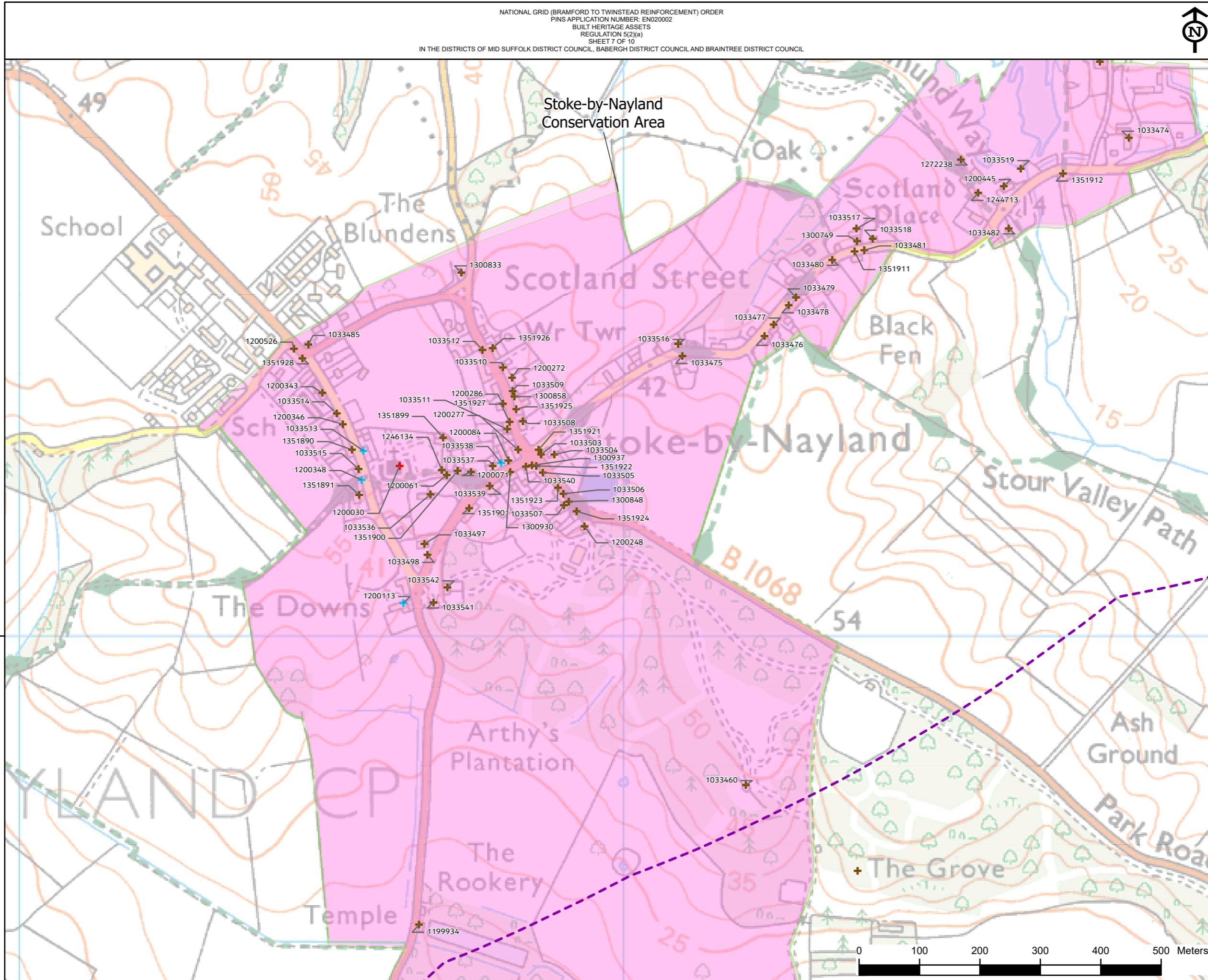
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- Legend**
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PROJECT: Bramford to Twinstead Reinforcement

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TITLE: Figure 8.2  
 Built Heritage Assets

CIRCUIT / SITE :  
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GIS

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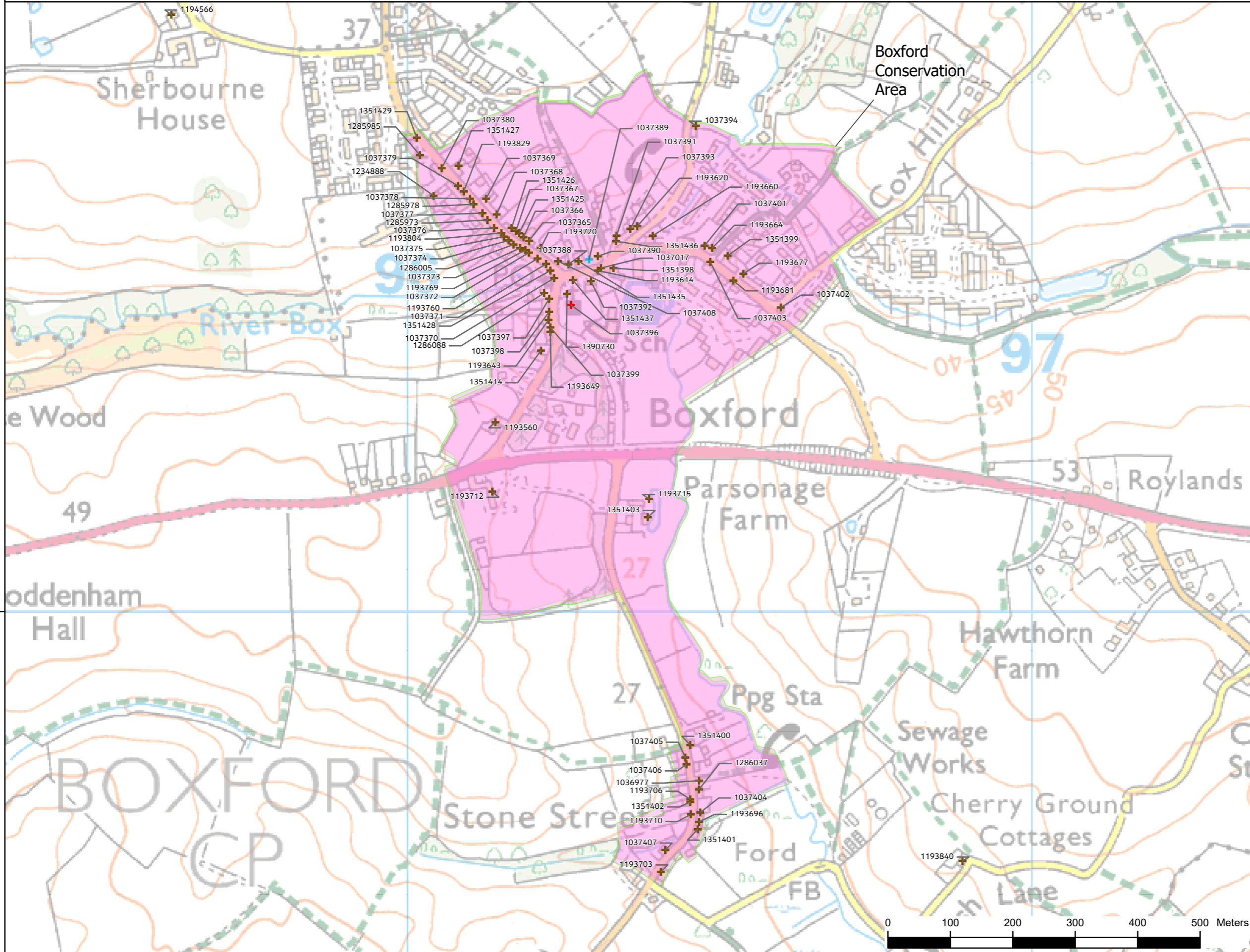
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TITLE: **Figure 8.2 Built Heritage Assets**

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

ORIGINATOR DRAWING NO. **AAA\_BTT\_Figure\_8\_2\_Rev0\_Insets** **A3**

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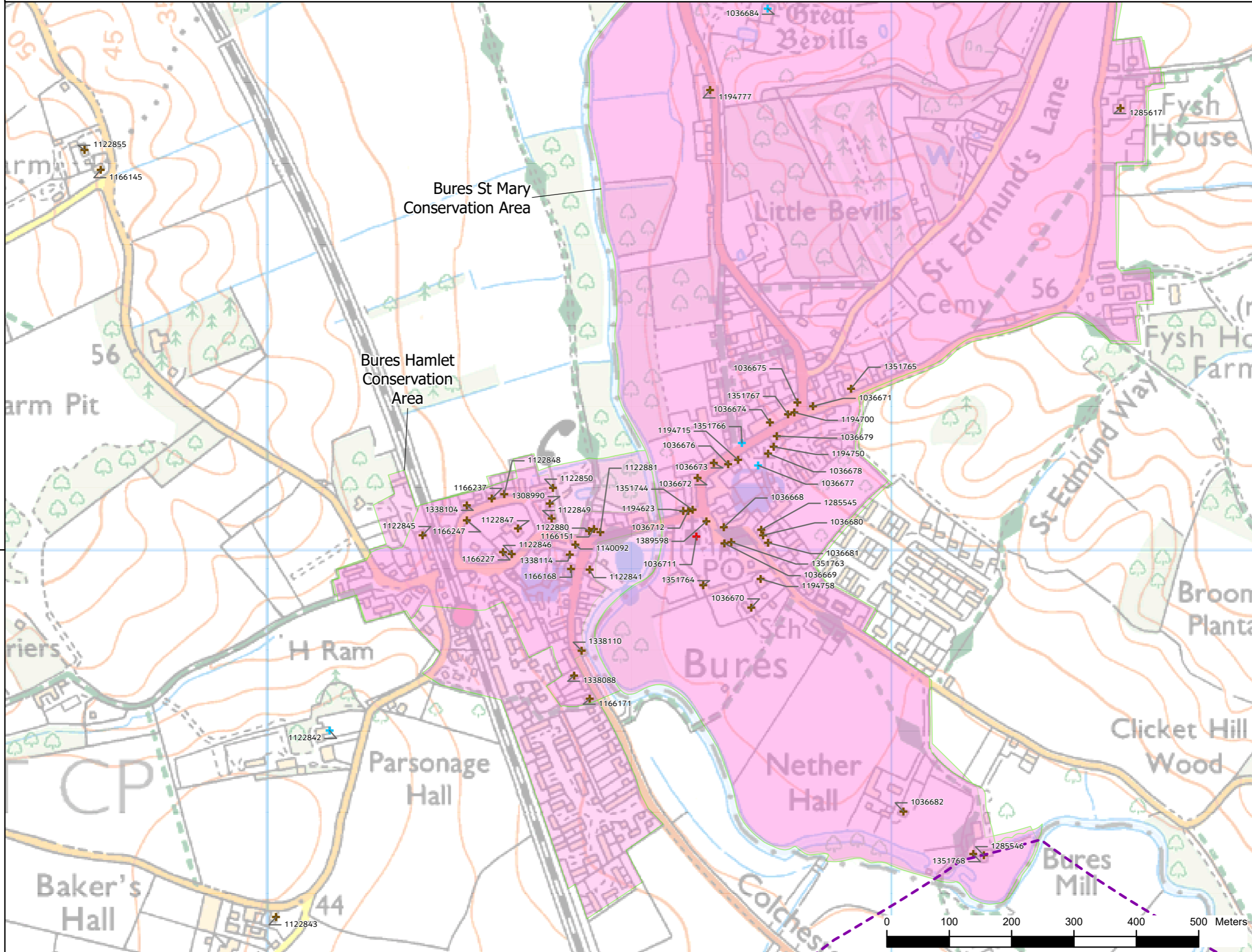
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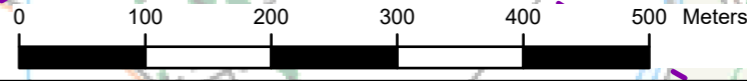
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TITLE: Figure 8.2 Built Heritage Assets

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

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