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# Bramford to Twinstead Reinforecement

Volume 6: Environmental Information

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nationalgrid

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# 1. Introduction

## 1.1 Overview

- 1.1.1 National Grid Electricity Transmission plc (here on referred to as National Grid) is making an application for development consent to reinforce the transmission network between Bramford Substation in Suffolk, and Twinstead Tee in Essex. The Bramford to Twinstead Reinforcement ('the project') would be achieved by the construction and operation of a new electricity transmission line over a distance of approximately 29km (18 miles), the majority of which would follow the general alignment of the existing overhead line network.
- 1.1.2 This draft badger (*Meles meles*) licence to interfere with a badger sett(s) for the purpose of development has been produced to support the application for development consent and the accompanying Environmental Statement (ES) under the Planning Act 2008.
- 1.1.3 This draft licence application is in accordance with Section 10(1)(d) of the Protection of Badgers Act 1992. The information contained within this document will support the granting of a Letter of No Impediment (LONI) from Natural England. The LONI would be submitted to support the application for development consent.

## 1.2 Project Description

- 1.2.1 The project involves the reinforcement of the electricity transmission network between Bramford Substation in Suffolk and Twinstead Tee in Essex, as shown in Figure 1 at the end of this document. The project meets the threshold as a Nationally Significant Infrastructure Project (NSIP), as defined under Part 3 of the Planning Act 2008, hence National Grid requires a development consent order (DCO).
- 1.2.2 The reinforcement would comprise approximately 18km of overhead line (consisting of approximately 50 new pylons, and conductors) and 11km of underground cable system (with associated joint bays and above ground link pillars).
- 1.2.3 Four cable sealing end (CSE) compounds would be required to facilitate the transition between the overhead and underground cable technology. The CSE would be within a fenced compound, and contain electrical equipment, support structures, control building and a permanent access track.
- 1.2.4 Approximately 27km of existing overhead line and associated pylons would be removed as part of the proposals (25km of existing 132kV overhead line between Burstall Bridge and Twinstead Tee, and 2km of the existing 400kV overhead line to the south of Twinstead Tee). To facilitate the overhead line removal, a new grid supply point (GSP) substation is required at Butler's Wood, east of Wickham St Paul, in Essex. The GSP substation would include associated works, including replacement pylons, a single circuit sealing end compound and underground cables to tie the substation into the existing 400kV and 132kV networks.
- 1.2.5 Some aspects of the project, such as the underground sections and the GSP substation, constitute 'associated development' under the Planning Act 2008.
- 1.2.6 Other ancillary activities would be required to facilitate construction and operation of the project, including (but not limited to):
- Modifications to, and realignment of sections of the existing overhead lines, including pylons;

- Temporary land to facilitate construction activities including temporary amendments to the public highway, public rights of way, working areas for construction equipment and machinery, site offices, welfare, storage and access;
- Temporary infrastructure to facilitate construction activities such as amendments to the highway, pylons and overhead line diversions, scaffolding to safeguard existing crossings and watercourse crossings;
- Diversion of third-party assets and land drainage from the construction and operational footprint; and
- Land required for mitigation, compensation and enhancement of the environment as a result of the environmental assessment process, and National Grid's commitments to Biodiversity Net Gain.

1.2.7 For a full description of the project reference should be made to ES Chapter 4: Project Description (**application document 6.2.4**).

1.2.8 The Order Limits are broken down in seven separate sections (see Figure 1):

- Section AB: Bramford Substation/Hintlesham (overhead line works only)
- Section C: Brett Valley (overhead line works only)
- Section D: Polstead (overhead line and underground cables)
- Section E: Dedham Vale Area of Outstanding Natural Beauty (AONB) (underground cable works only)
- Section F: Leavenheath/Assington (overhead line works only)
- Section G: Stour Valley (overhead line and underground cables)
- Section H: GSP Substation.

1.2.9 National Grid has identified a 'Proposed Alignment', this has been developed as a result of consultation feedback, engineering design, environmental assessment work and landowner discussions. However, as this is a NSIP, National Grid is seeking consent for Limits of Deviation (LoD) within which the final alignment would lie. The LoD lie within the Order Limits. National Grid is therefore not seeking approval for a specific alignment (including pylon locations) as part of the DCO. Any changes between the Proposed Alignment and the final design will be presented within the final licence submitted should development consent be granted.

1.2.10 It is assumed that the GSP substation is constructed in advance of DCO consent via the extant planning permission under the Town and Country Planning Act (planning application reference 22/01147/FUL). Construction at the GSP substation is anticipated to commence in spring 2023. The main project works (including the overhead line removal, new overhead line and underground cable) would be constructed under the DCO, subject to consent, commencing in autumn 2024. The target date for the project to be operational is late 2028

## 2. Survey Information

### 2.1 Field Survey

- 2.1.1 A UK Habitats survey was undertaken in 2021 and 2022 (reported in ES Appendix 7.1: Habitats Baseline Report (**application document 6.3.7.1**) and results shown in the accompanying figures (**application document 6.4**). The surveys identified habitats suitable for badger and incidental field signs of badger and their setts were noted.
- 2.1.2 Where land access allowed, all suitable badger habitat was surveyed for field signs and badger setts were identified within 30m of the Order Limits. Figure 7.9.2 of the Badger Survey Report (**application document 6.3.7.9**), shows all locations within the survey area where access was possible.
- 2.1.3 Field surveys identified 159 badger setts: 75 were within the Order Limits (at statutory consultation); and an additional 84 were located within 30m of the Order Limits. Table 2.1 summarises all setts located within 30m of the Order Limits at the time of survey. The ID numbering is not always consecutive as the survey area changed in light of revisions to the Order Limits.

### 2.2 Setts Covered by this Draft Licence Application

- 2.2.1 Although impacts upon badger setts have been avoided where practicable through the iterative design process and the refinement of the Proposed Alignment, there are some locations where construction works would have an unavoidable impact on badger setts. Twenty-eight badger setts are included in this draft licence application (based on the Proposed Alignment). These setts are specifically shown in Figure 2 of this licence application.
- 2.2.2 There are many other setts within the badger survey area that are unlikely to be affected by the project e.g. due to their topographical position, the direction of tunnels, or their proximity to the Order Limits. Information relating to these setts is provided for context only. Details of all badger setts within 30m of the Order Limits have been provided in Table 2.1. This also provides details relating to sett classification (where known), current activity status (i.e. in current use or disused), predicted impacts and the proposed measures for each sett.
- 2.2.3 As National Grid is not seeking approval for a specific alignment (including pylon locations) as part of the DCO, it is not possible to determine the exact location of piling activities for the installation of new pylons and any associated disturbance impacts to setts. However, the disturbance impacts related to this activity will be short term and will be presented within the final licence submitted should development consent be granted.
- 2.2.4 Additional setts may be added to the final licence application based on the results of pre-construction survey and the detailed design of the final alignment (assuming the development consent is granted). Equally, some setts could be removed for the final licence.

Table 2.1 – Details of Badger Setts within 30m of the Order Limits and Proposed Measures

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
2	[REDACTED]	[REDACTED]	Disused Outlier	Inactive	1	Disused sett entrance blocked with branches. Located in slope at edge of woodland. Debris in tunnels.	[REDACTED]	None – sett is outside the Order Limits and is currently disused.	The sett was disused but appropriate good practice measures would be implemented if the sett's status changed. The sett would be retained as the only works required in the vicinity of this sett are a 4X4 vehicle and two workers to change the arcing horns on an existing pylon which is part of the current maintenance regime.
5	[REDACTED]	[REDACTED]	Outlier	Low	2	Two holes but are not the standard D shape typical for badgers, but the hole is big enough to be suitable. Located on the southern bank of ditch opposite garden. Debris present in tunnels.	[REDACTED]	Disturbance – sett located within the Order Limits. Direct impact to the sett is unlikely. However, the close proximity of the sett to construction activities are likely to generate disturbance issues for the badger present and health and safety concerns for the work force (in terms of traffic collisions and/or avoidance manoeuvres).	The sett would be temporarily closed prior to the start of works. The sett would be retained and re-opened post construction.

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
6	[REDACTED]	[REDACTED]	Annexe	Moderate	4	Four holes spread approximately 5m along the hedge. Fresh bedding, clean tunnels but no spoil present.	[REDACTED]	None – the sett is outside of the Order Limits where temporary overhead line works are required. A temporary access track would use trackway rather than need soil stripping.	The sett would be retained. The works required in the vicinity of this sett would not require ground works.
7	[REDACTED]	[REDACTED]	Outlier	Moderate	1	Fresh spoil and hairs. On western bank of ditch. Ditch west of road.	[REDACTED]	None – the sett is outside of the Order Limits along an existing surfaced road (local road network).	None – sett exists adjacent to active road carrying large vehicles similar to that required for the project.
9	[REDACTED]	[REDACTED]	Disused Subsidiary	Inactive	4	Four disused holes. Tunnels collapsed with vegetation debris.	[REDACTED]	None – sett is currently disused	None – the Order Limits comprise habitat creation only at this location and no ground works are required.
10	[REDACTED]	[REDACTED]	Disused Outlier	Inactive	1	Located on bank of ditch leading into woodland, with overgrown vegetation blocking entrance.	[REDACTED]	None – sett is outside the Order Limits and currently disused	The sett was disused but appropriate good practice measures would be implemented if the sett's status changed i.e. retain and protect using buffer zones, or close under licence.
11	[REDACTED]	[REDACTED]	Disused Outlier	Inactive	1	Disused hole on edge of woodland. Bare ground surrounding suggests	[REDACTED]	None – sett is outside the Order Limits and is currently disused	None – badger setts were located on the woodland edge



Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
						previous use. Other collapsed entrances nearby. Debris in tunnels.			separated from the Order Limits by a deep drainage channel. Sett tunnels were identified heading into the woodland, away from the Order Limits.
12	[REDACTED]	[REDACTED]	Disused Outlier	Inactive	1	Debris in tunnels.	[REDACTED]	None – sett is currently disused	
13	[REDACTED]	[REDACTED]	Disused Outlier	Inactive	2	Two holes into bank, potentially one on top.	[REDACTED]	None – sett is outside the Order Limits and is currently disused	
14	[REDACTED]	[REDACTED]	Disused Outlier	Inactive	1	Debris in tunnels.	[REDACTED]	None – sett is outside the Order Limits and is currently disused	
15	[REDACTED]	[REDACTED]	Disused Outlier	Inactive	4	Four holes, facing north and south. Disused and overgrown vegetation.	[REDACTED]	None – sett is outside the Order Limits and is currently disused	
16	[REDACTED]	[REDACTED]	Outlier	Low	1	Two latrines and one hole. Fresh bedding present.	[REDACTED]	None – the sett is outside of the Order Limits located on an existing access track edge. Relatively light traffic proposed in this location and there is sufficient space to avoid the sett	The sett would be retained. The only works required in the vicinity of this sett are a 4X4 vehicle using the existing access track which is part of the current maintenance regime.
17	[REDACTED]	[REDACTED]	Outlier	Low	2	In hedgerow going north. Opposite side of track and other side of dry ditch. Two holes,	[REDACTED]	None – the sett is outside of the Order Limits located on an existing access track edge.	The sett would be retained. The only works required in the vicinity of this sett are a 4X4

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
						with one collapsed. Fresh spoil heap.		Relatively light traffic proposed in this location and there is sufficient space to avoid the sett	vehicle using the existing access track which is part of the current maintenance regime.
18	[REDACTED]	[REDACTED]	Outlier	Moderate	1	Smooth polished tunnels.	[REDACTED]	None – the sett is outside of the Order Limits and the closest works are to change the arcing horns and there is sufficient space to avoid the sett.	The sett would be retained. The only works required in the vicinity of this sett are a 4X4 vehicle and two workers to change the arcing horns on an existing pylon which is part of the current maintenance regime.
19	[REDACTED]	[REDACTED]	Outlier	Low	1	On bank going up to the north. Other side of wet ditch. Fresh spoil only. Hole suitable size.	[REDACTED]	None – the sett is outside of the Order Limits located on an existing access track edge. Relatively light traffic proposed in this location and there is sufficient space to avoid the sett	The sett would be retained. The only works required in the vicinity of this sett are a 4X4 vehicle using the existing access track which is part of the current maintenance regime.
24	[REDACTED]	[REDACTED]	Disused Outlier	Inactive	1	One hole which is disused	[REDACTED]	None – sett is currently disused.	The sett was disused but appropriate good practice measures would be implemented if the sett's status changed i.e. closure under licence.

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
26	[REDACTED]	[REDACTED]	Outlier	Moderate	1	Single burrow tunnel under road. Fresh spoil heap.	[REDACTED]	Destruction – the sett is within the Order Limits and within the footprint of a new permanent access track	The sett would be closed and destroyed under licence prior to the start of works.
27	[REDACTED]	[REDACTED]	Disused Subsidiary	Inactive	1	Disused, lots of leaf litter and debris within tunnel, no fresh spoil heap or pathway noted, activity level inactive.	[REDACTED]	None – sett is outside the Order Limits and is currently disused	The sett was disused but appropriate good practice measures would be implemented if the sett's status changed i.e. retain and protect using buffer zones.
28	[REDACTED]	[REDACTED]	Disused Outlier	Inactive	2	Two holes, full with debris.	[REDACTED]	None – sett is currently disused	The sett was disused but appropriate good practice measures would be implemented if the sett's status changed i.e. retain and protect using buffer zones, or close under licence.
29	[REDACTED]	[REDACTED]	Outlier	High	1	Well-worn path, fresh spoil, smooth polished tunnels.	[REDACTED]	None – the sett is outside the Order Limits	The sett would be retained, and a 30m buffer zone maintained from the working area.
31	[REDACTED]	[REDACTED]	Outlier	Low	2	Two holes, one disused. Signs of possible larger sett. Fresh spoil heap.	[REDACTED]	None – the sett is outside the Order Limits	The sett would be retained, and a 30m buffer zone maintained from the working area.

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
32	[REDACTED]	[REDACTED]	Outlier	Very high	1	Hair, fresh spoil heap, bedding material, well used path, polished tunnel.	[REDACTED]	Disturbance –sett located within the Order Limits. Direct impact to the sett is unlikely. However, the close proximity of the sett to construction activities are likely to generate disturbance issues for the badger present and health and safety concerns for the work force (in terms of traffic collisions and/or avoidance manoeuvres).	The sett would be temporarily closed prior to the start of works. The sett would be retained and re-opened post construction.
33	[REDACTED]	[REDACTED]	Disused Outlier	Inactive	1	Debris in tunnel.	[REDACTED]	None – sett is currently disused.	The sett was disused but appropriate good practice measures would be implemented if the sett's status changed i.e. retain and protect using buffer zones, or close under licence.
34	[REDACTED]	[REDACTED]	Outlier	Low	1	Single hole. Fresh spoil heap present.	[REDACTED]	None – within overhead line removal area where no ground works within 30m of the sett required.	The sett would be retained as works required in the vicinity of this sett would take a maximum of two days with no ground works required and only the use

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
									of a tractor for access necessary.
40	[REDACTED]	[REDACTED]	Outlier	Moderate	3	Three sett entrances along bank, smooth polished tunnels.	[REDACTED]	None – the sett is outside of the Order Limits where habitat creation is proposed which requires no ground works.	None
41	[REDACTED]	[REDACTED]	Annexe	Moderate	10	Ten holes of size and shape suitable for badger. Four active, located on sandy southeast facing bank. Smooth polished tunnels.	[REDACTED]	None – the sett is outside of the Order Limits where habitat creation is proposed which requires no ground works.	None
42	[REDACTED]	[REDACTED]	Outlier	Low	2	Two holes, one with debris, one with smooth tunnel entrance.	[REDACTED]	None – the sett is outside of the Order Limits where habitat creation is proposed which requires no ground works.	None
43	[REDACTED]	[REDACTED]	Outlier	Moderate	2	Two holes, one on right doesn't lead anywhere. Orange tipped white hairs in debris outside hole. Debris in tunnels.	[REDACTED]	None – the sett is outside of the Order Limits where habitat creation is proposed which requires no ground works.	None
44	[REDACTED]	[REDACTED]	Main	High	15	Assumed main sett. 15 active holes, smooth polished tunnels.	[REDACTED]	None – the sett is outside of the Order Limits where habitat creation is	None

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
								proposed which requires no ground works.	
45	[REDACTED]	[REDACTED]	Main	Very high	18	14 active, four disused holes. Fresh spoils heaps, well used pathways. Hair, bedding material, polished tunnels.	[REDACTED]	None – the sett is outside of the Order Limits where overhead line removal is proposed. The sett is located over 30m from the existing pylons.	The sett would be retained as works required in the vicinity of this sett would take a maximum of two days with no ground-breaking required and only the use of a tractor necessary for access.
46	[REDACTED]	[REDACTED]	Subsidiary	Low	1	In centre of field, several holes. Initial entrance looks small however entrance into tunnel is D shaped and larger. Vegetation growing in entrance. Sandy fresh spoil.	[REDACTED]	None – the sett is within the Order Limits where overhead line removal is proposed. The sett is located over 30m from the existing pylons and it is assumed that the proposed temporary access track would be routed to allow a 30m buffer from the sett	The sett would be retained, and a 30m buffer zone maintained from the working area.
49	[REDACTED]	[REDACTED]	Outlier	Low	1	Fresh spoil heap in sand outside sett entrance. No obvious badger prints. Smooth tunnels, little debris in tunnel, no bedding	[REDACTED]	None – the sett is located within the Order Limits in an area of Horizontal Directional Drilling (HDD). Drilling at a depth that would be below badger sett. Only pedestrian	None

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
						present. Activity level low.		access to the woodland will be allowed.	
52	[REDACTED]	[REDACTED]	Subsidiary	Moderate	3	Fresh spoil heap.	[REDACTED]	None – the sett is within the Order Limits where overhead line removal is proposed. The sett is located over 30m from the existing pylons.	The sett would be retained as works required in the vicinity of this sett would take a maximum of two days with no ground-breaking required and only the use of a tractor for access.
53	[REDACTED]	[REDACTED]	Subsidiary	Moderate	5	Well used pathways, fresh bedding. Entrance suitable shape and size for badger.	[REDACTED]	None – the sett is within the Order Limits where overhead line removal is proposed. The sett is located over 30m from the existing pylons.	The sett would be retained as works required in the vicinity of this sett would take a maximum of two days with no ground-breaking required and only the use of a tractor necessary for access.
59	[REDACTED]	[REDACTED]	Outlier	Moderate	1	Large entrance hole, leading to smooth tunnel. Fresh small spoil heap. Rabbit droppings indicate use by rabbits at time of survey.	[REDACTED]	None – the sett is outside of the Order Limits where overhead line removal is proposed. The sett is located over 30m from the existing pylons.	The sett would be retained, and a 30m buffer zone maintained from the working area.
66	[REDACTED]	[REDACTED]	Outlier	Low	1	Appeared to be occupied by rabbits at time of survey.	[REDACTED]	None – the sett is within the Order Limits where overhead line removal is	The sett would be retained as no ground-breaking or vehicle

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
								proposed. The sett is located over 30m from the existing pylons and no vehicle access or ground-breaking would be required in the vicinity of the sett	access within 30m of the sett is required.
67	[REDACTED]	[REDACTED]	Outlier	Moderate	1	In bank on side of road. Well used pathways.	[REDACTED]	None – the sett is outside of the Order Limits along an existing surfaced road (local road network).	None – sett is located on the opposite side of an active road to the works
68	[REDACTED]	[REDACTED]	Annexe	Moderate	2	Recent bedding with tunnel which was quite polished with fresh soil heaps nearby but some vegetation growing over entrance. Badger holes approximately 2m apart. Path and tunnel well used.	[REDACTED]	None – the sett is within the Order Limits where overhead line removal is proposed. The sett is located over 30m from the existing pylons.	The sett would be retained as works required in the vicinity of this sett would take a maximum of two days with no ground-breaking required and only the use of a tractor necessary for access.
70	[REDACTED]	[REDACTED]	Subsidiary	High	1	Large fresh spoil heap and polished tunnel, well used pathways.	[REDACTED]	None – the sett is within the Order Limits where overhead line removal is proposed. The sett is located over 30m from the existing pylons.	The sett would be retained as works required in the vicinity of this sett would take a maximum of two days with no ground-breaking required and only the use of a tractor necessary for access.



Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
73	[REDACTED]	[REDACTED]	Outlier	High	1	Fresh spoil, badger print in spoil, in the middle of nettle and bramble scrub.	[REDACTED]	None – the sett is outside of the Order Limits where overhead line removal is proposed. The sett is located over 30m from the existing pylons.	The sett would be retained and a 30m buffer zone maintained from the working area.
74	[REDACTED]	[REDACTED]	Outlier	Moderate	1	Large fresh spoil heap, in bramble scrub, might be occupied by rabbits as well.	[REDACTED]	None – the sett is outside of the Order Limits where overhead line removal is proposed. The sett is located over 30m from the existing pylons.	The sett would be retained and a 30m buffer zone maintained from the working area.
76	[REDACTED]	[REDACTED]	Outlier	Very low	1	Hole within rabbit warren, has droppings and rabbit fur outside however is a classic badger hole shape and size with fresh spoil outside. No debris in tunnel. No other evidence of badger use.	[REDACTED]	None – the sett is outside of the Order Limits where overhead line removal is proposed. The sett is located over 30m from the existing pylons.	The sett would be retained and a 30m buffer zone maintained from the working area.
77	[REDACTED]	[REDACTED]	Outlier	High	1	Fresh spoil, polished tunnels, in middle of field.	[REDACTED]	None – the sett is outside of the Order Limits where overhead line removal is proposed. The sett is located over 30m from the existing pylons.	The sett would be retained and a 30m buffer zone maintained from the working area.

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
82	[REDACTED]	[REDACTED]	Outlier	Moderate	1	Single hole borderline size suitable for badger, smooth polished tunnels.	[REDACTED]	Disturbance – sett located within the Order Limits. Direct impact to the sett is unlikely. However, the close proximity of the sett to piling and ground works for a proposed bailey bridge would likely generate disturbance issues for the badger present and health and safety concerns for the work force (in terms of traffic collisions and/or avoidance manoeuvres).	The sett would be temporarily closed prior to the start of works. The sett would be retained and re-opened post construction.
84	[REDACTED]	[REDACTED]	Outlier	Low	1	Single hole size for badger and fresh bedding present.	[REDACTED]	None – the sett is outside of the Order Limits in a HDD section.	The sett would be retained and a 30m buffer zone maintained from the working area.
85	[REDACTED]	[REDACTED]	Subsidiary	Moderate	4	Four holes all active at field boundary. Smooth polished tunnels.	[REDACTED]	None – the sett is on the Order Limits adjacent to an existing track which will be covered in trackway and used as a temporary access track for one week during construction.	The sett would be retained as works required in the vicinity of this sett would only take one week and no ground works required.

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
86	[REDACTED]	[REDACTED]	Outlier	Low	1	Single hole size for badger and fresh bedding present.	[REDACTED]	None – the sett is on the Order Limits in a HDD section.	The sett would be retained and a 30m buffer zone maintained from the working area.
87	[REDACTED]	[REDACTED]	Outlier	Low	1	Three holes adjacent to each other, only one of suitable size for badger. No spoil heap or other signs of badger. Smooth polished tunnels.	[REDACTED]	None – the sett is within the Order Limits adjacent to an existing track which will be covered in trackway and used as a temporary access track for one week during construction.	The sett would be retained as works required in the vicinity of this sett would only take one week and no ground works are required.
88	[REDACTED]	[REDACTED]	Subsidiary	Moderate	5	Four active holes, one disused. Well used pathways. Spoil heap seems reasonably fresh and a clear pathway has been worn. Holes marked as moderate to very low potential.	[REDACTED]	None – the sett is within the Order Limits where overhead line removal is proposed. The sett is located over 30m from the existing pylons and a proposed temporary access track would be routed to be 30m from the sett	The sett would be retained and a 30m buffer zone maintained from the working area.
89	[REDACTED]	[REDACTED]	Subsidiary	Low	2	One active hole, one disused. Well used pathways	[REDACTED]	None – the sett is within the Order Limits where Overhead line removal is proposed. The sett is located over 30m from the existing pylons and a proposed temporary	The sett would be retained and a 30m buffer zone maintained from the working area.

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
								access track would be routed to be 30m from the sett	
91	[REDACTED]	[REDACTED]	Outlier	High	1	Fresh spoil heap present.	[REDACTED]	None – the sett is within the Order Limits although there is sufficient space within the LoD to avoid the sett	The sett would be retained and a 20m buffer zone maintained from the working area.
92	[REDACTED]	[REDACTED]	Subsidiary	Low	4	Well used mammal path to and from entrance. Some debris in tunnel suggesting not frequently used. One active hole, three disused.	[REDACTED]	None – the sett is outside of the Order Limits in a new overhead line section where the nearest new pylon would be located over 30m from the sett.	The sett would be retained and a 30m buffer zone maintained from the working area.
93	[REDACTED]	[REDACTED]	Subsidiary	Low	2	Debris within tunnel. Well used pathways. One active hole, one disused.	[REDACTED]	None – the sett is within the Order Limits in a new overhead line section but outside of the LoD.	The sett would be retained, and there would be no ground-breaking or vehicles within 30m of the sett.
94	[REDACTED]	[REDACTED]	Outlier	Moderate	3	Three active holes located within bank of woodland. Some fresh bedding in entrances and pathway seems used. Large spoil heap outside, however recent rainfall made it difficult	[REDACTED]	None – the sett is within the Order Limits in a new overhead line section.	The sett would be retained and there would be no ground-breaking or vehicles within 30m of the sett.

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
						for surveyors to assess recency. Some debris in tunnel.			
95	[REDACTED]	[REDACTED]	Outlier	Low	1	Entrance in bank of woodland hidden in nettles. Fresh bedding in front of entrance, smooth polished tunnel. Spoil heap not fresh. Smooth polished tunnels.	[REDACTED]	None – the sett is on the Order Limits in a new overhead line section where new pylons would be required.	The sett would be retained and a 30m buffer zone maintained from the working area.
96	[REDACTED]	[REDACTED]	Outlier	Very Low	1	Small entrance with some debris in. No spoil heap outside, smooth tunnels.	[REDACTED]	None – the sett is outside of the Order Limits in a new overhead line section where new pylons would be required.	The sett would be retained and a 30m buffer zone maintained from the working area.
97	[REDACTED]	[REDACTED]	Outlier	Moderate	1	Fresh bedding in entrance, well used pathway and some fresh spoil outside entrance.	[REDACTED]	None – the sett is outside of the Order Limits in a new overhead line section where new pylons would be required.	The sett would be retained and a 30m buffer zone maintained from the working area.
99	[REDACTED]	[REDACTED]	Outlier	Low	3	Two to three holes, one at least active recently.	[REDACTED]	None – the sett is outside of the Order Limits along an existing surfaced road (local road network).	None – sett exists adjacent active road carrying large vehicles similar to that required for the project.

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
100	[REDACTED]	[REDACTED]	Outlier	Low	2	Vegetation in entrance, some bedding material.	[REDACTED]	None – the sett is outside of the Order Limits where the closest works would be removal of an existing pylon only.	The sett would be retained and a 30m buffer zone maintained from the working area.
101	[REDACTED]	[REDACTED]	Subsidiary	Moderate	10	Six active holes and four inactive. Most holes have debris and leaf litter in entrance but there were some with smooth, clear tunnels. One had bedding material.	[REDACTED]	None – the sett is outside of the Order Limits where the closest works would be removal of an existing pylon.	The sett would be retained and a 30m buffer zone maintained from the working area.
102	[REDACTED]	[REDACTED]	Main	High	13	13 active holes, activity levels ranging from very low to high. Well used pathways, smooth polished tunnels. Bedding material, fresh spoil, hair.	[REDACTED]	Partial destruction – the sett is within the Order Limits and within the footprint of a temporary access track. This will result in two holes being directly impacted.	The sett will be retained but it would be necessary to temporarily shut two holes and use track matting for the access track in this area to avoid damaging the sett structure. The access track would be routed on the alignment that impacts the least number of holes (to be confirmed at detailed design stage). The sett entrances would be re-opened post construction.

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
103	[REDACTED]	[REDACTED]	Outlier	Moderate	2	Large old spoil heap, some bedding material, partly overgrown. One active hole, one disused. Well used pathways.	[REDACTED]	None – the sett is within the Order Limits and although could be within 30m of a new pylon, a safe working distance is possible.	The sett would be retained and a 20m buffer zone maintained from the working area.
104	[REDACTED]	[REDACTED]	Outlier	High	4	Well used pathways. Fox droppings in fresh spoil, and fox-like smell around hole, could currently be occupied by fox.	[REDACTED]	Disturbance – setts are located within the Order Limits. Direct impacts to the setts are unlikely. However, the close proximity of the setts to existing pylon removal would likely generate disturbance issues for the badger present and health and safety concerns for the work force (in terms of traffic collisions and/or avoidance manoeuvres).	The setts will be temporarily closed prior to the start of works. The setts would be retained and re-opened post construction
105	[REDACTED]	[REDACTED]	Outlier	Low	1	Vegetation growing around sett entrance with no sign of recent use.	[REDACTED]		
106	[REDACTED]	[REDACTED]	Outlier	High	1	Fresh spoil in front of sett entrance. Suitable sized hole to support badger.	[REDACTED]		
107	[REDACTED]	[REDACTED]	Outlier	Very Low	1	Dense vegetation obscuring sett entrance.	[REDACTED]		
108	[REDACTED]	[REDACTED]	Main	High	14	Badger sett on adjacent land parcel (no access but within 5m of perimeter fence). Active holes with fresh spoil	[REDACTED]	None – the sett is outside of the Order Limits and there is sufficient space within the LoD to avoid the sett.	The sett would be retained and a 30m buffer zone maintained from the working area.

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
						and clear paths. 14 holes visible from adjacent land parcel. Smooth polished tunnels.			
109	[REDACTED]	[REDACTED]	Disused Subsidiary	Inactive	3	One intact badger sized hole with debris in tunnel. Two further collapsed tunnels within 3m.	[REDACTED]	None – sett is currently disused	Currently the sett is disused but should it become active there is sufficient space to retain and protect the sett.
110	[REDACTED]	[REDACTED]	Outlier	Moderate	2	Two holes on bank at woodland edge. Fresh spoil heap.	[REDACTED]	None – the sett is outside of the Order Limits and the nearest works are removal of an existing pylon over 40m to the south.	The sett would be retained and a 30m buffer zone maintained from the working area.
111	[REDACTED]	[REDACTED]	Disused Outlier	Inactive	1	One burrow on woody bank. Debris in tunnels.	[REDACTED]	None – sett is currently disused	The sett was disused but appropriate good practice measures would be implemented if the sett's status changed i.e. temporary closure under licence.
112	[REDACTED]	[REDACTED]	Outlier	Low	1	Small hole, just about badger size. Located in hedgerow. Fresh spoil heap.	[REDACTED]	Disturbance – sett located within the Order Limits. Direct impact to the sett is unlikely. However, the close proximity of the sett	The sett would be temporarily closed prior to the start of works. The sett would be retained



Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
								to construction activities would likely generate disturbance issues for the badger present and health and safety concerns for the work force (in terms of traffic collisions and/or avoidance manoeuvres).	and re-opened post construction.
113	[REDACTED]	[REDACTED]	Outlier	Low	1	Badger hole along hedge.	[REDACTED]	Disturbance – the sett is within the Order Limits. Direct impact to the sett is unlikely but the close proximity of the sett to construction activities are likely to generate disturbance issues for the badger present and health and safety concerns for the work force (in terms of traffic collisions and/or avoidance manoeuvres).	The sett would be temporarily closed prior to the start of works. The sett would be retained and re-opened post construction.
114	[REDACTED]	[REDACTED]	Outlier	Moderate	2	Fresh spoil heap, bedding, evidence of recent use. Well used pathway but tunnel doesn't seem to be that polished. Tree root encroaches on entrance however still seems large enough for	[REDACTED]	None – the sett is outside of the Order Limits where the closest works are very short term to bury a cable using a mini-digger.	The sett would be retained as works in the vicinity of this sett would be short term and unlikely to cause disturbance.

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
						badger. Hairs found suggesting recent use.			
116	[REDACTED]	[REDACTED]	Outlier	Very Low	2	One active hole, one disused. Overgrown vegetation. Very low activity level if used at all. No fresh spoil heap, no badger scat present within area, some vegetation growing in front of entrance suggesting no regular use. Debris within tunnel entrance. Suitable size and shape for badger.	[REDACTED]	Disturbance – sett located within the Order Limits. Direct impact to the sett is unlikely. However, the close proximity of the sett to new overhead line construction activities would likely generate disturbance issues for the badger present and health and safety concerns for the work force (in terms of traffic collisions and/or avoidance manoeuvres).	The sett would be temporarily closed prior to the start of works. The sett would be retained and re-opened post construction.
117	[REDACTED]	[REDACTED]	Outlier	Moderate	1	Fresh bedding in entrance, typical D shape. Rabbit droppings present within holes nearby (too small for badger)	[REDACTED]	None – setts 117 to 121 are located outside of the Order Limits along an existing sealed access road. Although the tunnels are eastward facing towards the road, they are likely confined to the road embankments rather than extending underneath the road. It appears that heavy vehicles (similar to that proposed by the	None
118	[REDACTED]	[REDACTED]	Outlier	Low	1	One hole typical badger D shape, with polished tunnel. Sett maybe used by rabbits, as other small rabbit holes were found within immediate area.	[REDACTED]		

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
119	[REDACTED]	[REDACTED]	Outlier	Moderate	1	Large single entrance hole, typical badger shape/size. Fresh bedding within tunnel, and tunnels appear polished, slightly well used path leading to entrance however, not well excavated. No fresh spoil and vegetation growing on mound. Smooth polished tunnels. Some rabbit droppings close by.	[REDACTED]	project) regularly use this road and have not impacted the setts. It can be reasonably expected that the project traffic would also not impact the setts.	
120	[REDACTED]	[REDACTED]	Outlier	Moderate	1	One hole with polished tunnel and fresh soil heap.	[REDACTED]		
121	[REDACTED]	[REDACTED]	Annexe	Moderate	2	Large typical badger shape entrance with wide tunnels. Well used pathway from entrance, some fresh spoil. Maybe used by rabbit as a rabbit dropping found in entrance. Another entrance to sett west higher up bank.	[REDACTED]		

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
122	[REDACTED]	[REDACTED]	Disused Outlier	Inactive	2	Two disused holes with vegetation partly blocking entrances. Sett located within the middle of grassland and active mammal paths nearby.	[REDACTED]	None – setts 122-125 are currently disused	The disused setts would be hard stopped prior to works. Should the sett become active, the sett would require licenced closure and likely destruction.
124	[REDACTED]	[REDACTED]	Disused Outlier	Inactive	2	Disused outlier sett, debris and vegetation blocking entrance.	[REDACTED]		
125	[REDACTED]	[REDACTED]	Disused Outlier	Inactive	3	Debris gathered in entrance and partially overgrown.	[REDACTED]		
126	[REDACTED]	[REDACTED]	Annexe	Very High	12	Ten active holes, two disused. Edge of grassland, on active badger pathways, spoil heaps of varying size. Lots of hair on barbed wire fence. Smooth polished tunnels.	[REDACTED]	Disturbance – sett located within the Order Limits. Direct impact to the sett is unlikely. However, the close proximity of the sett to new underground cable construction activities would likely generate disturbance issues for the badger present and health and safety concerns for the work force (in terms of traffic collisions and/or avoidance manoeuvres).	The sett would be temporarily closed prior to the start of works. The sett would be retained and re-opened post construction.

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
127	[REDACTED]	[REDACTED]	Main	High	8	Very fresh spoil with footprints. Well used mammal pathways present, however lots of debris in some of the tunnels. One disused hole, seven active, different activity levels for each hole but sett has a high activity level. Hole to the west is on a different land parcel, and surveyors did not have access to survey this hole fully.	[REDACTED]	None – the sett is outside of the Order Limits and located north of a sealed access track. It is located approximately 30m from the main works to the south.	None.
128	[REDACTED]	[REDACTED]	Subsidiary	Low	3	Sett within grassland, debris located within holes.	[REDACTED]	None – the sett is located outside the Order Limits and the nearest works would be new underground cable construction activities.	The sett would be retained and a 15m buffer zone maintained from the cable working area.
129	[REDACTED]	[REDACTED]	Subsidiary	Very low	5	Located on edge of grassland, under hedge, on active badger pathways, very large spoil heap, but some holes are starting to collapse with debris	[REDACTED]	Disturbance – two of the holes are located within the Order Limits. Direct impact to the sett is unlikely. The close proximity of the sett to construction activities would likely generate	The holes that are located within the Order Limits would be closed temporarily in advance of works. The sett would be retained and holes re-opened post construction.

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
						gathered in entrance and partially overgrown.		disturbance issues for the badger present and health and safety concerns for the work force (in terms of traffic collisions and/or avoidance manoeuvres).	
131	[REDACTED]	[REDACTED]	Subsidiary	Low	5	Located on edge of grassland, under hedge, on active badger pathways. Many holes showing little to no use, but one hole open with spoil heap. Signs of minor use when compared to April 2022 survey data	[REDACTED]	None – the sett is located outside the Order Limits and the nearest works would be new underground cable construction activities.	The sett would be retained and a 15m buffer zone maintained from the cable working area.
132	[REDACTED]	[REDACTED]	Disused Subsidiary	Inactive	4	Disused sett located on edge of grassland, under hedge, on active badger pathways.	[REDACTED]	None – sett currently disused	The sett was disused but appropriate good practice measures would be implemented if the sett's status changed i.e., retain and protect using buffer zones.
133	[REDACTED]	[REDACTED]	Outlier	Low	1	Located within grassland, large spoil heap.	[REDACTED]	None – the sett is located outside the Order Limits and the nearest works would be new	The sett would be retained and a 15m buffer zone maintained from the working area.

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
								underground cable construction activities.	
135	[REDACTED]	[REDACTED]	Outlier	Low	2	Located within grassland, large spoil heap, along badger path.	[REDACTED]	None – the sett is located outside the Order Limits and the nearest works would be new underground cable construction activities.	The sett would be retained and a 15m buffer zone maintained from the working area.
136	[REDACTED]	[REDACTED]	Outlier	Very Low	2	Located within grassland, slightly overgrown, along badger path, small spoil heap. One active and one disused hole.	[REDACTED]	None – the sett is located outside the Order Limits and the nearest works would be new underground cable construction activities.	The sett would be retained and a 15m buffer zone maintained from the working area.
138	[REDACTED]	[REDACTED]	Outlier	Very low	1	Single outlier within the woodland edge, under brash pile into embankment, not frequently used.	[REDACTED]	None – the sett is located outside the Order Limits and the nearest works would be new underground cable construction activities.	The sett would be retained and a 15m buffer zone maintained from the working area.
139	[REDACTED]	[REDACTED]	Outlier	Low	3	Located within grassland, some bedding in entrance, along badger path, small spoil heap. Limited entrance hole size – likely to be rabbit	[REDACTED]	None – likely to be rabbit	Pre-construction survey to confirm.

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
141	[REDACTED]	[REDACTED]	Subsidiary	Low	8	5 Active holes and 3 inactive. Located within woodland, along badger path, very large spoil heap. Some tunnels showing infrequent use, old dry bedding scattered away from hole. Lots of fresh rabbit droppings were present at these setts suggesting use	[REDACTED]	None – the sett is located outside the Order Limits and the nearest works would be new underground cable construction activities.	The sett would be retained and a 15m buffer zone maintained from the working area.
142	[REDACTED]	[REDACTED]	Disused Outlier	Inactive	1	Debris within entrance and no fresh evidence of badger use.	[REDACTED]	None – sett is outside the Order Limits and is currently disused	The sett was disused but appropriate good practice measures would be implemented if the sett's status changed i.e. retain and protect using buffer zones
143	[REDACTED]	[REDACTED]	Outlier	Moderate	2	One inactive and one active badger holes with debris. Active hole showed signs of recent activity due to large spoil heap present. Rabbit warren nearby.	[REDACTED]	Disturbance – the sett is located within the Order Limits. Direct impact to the sett is unlikely. The close proximity of the sett to construction activities would likely generate disturbance issues for the badger present and health and safety concerns for	The sett would be temporarily closed prior to the start of works. The sett would be retained and re-opened post construction.



Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
								the work force (in terms of traffic collisions and/or avoidance manoeuvres).	
146	[REDACTED]	[REDACTED]	Subsidiary	Very High	5	Along well used badger path, hair in entrance, between arable field and shrubland, bedding material in entrance. Smooth polished tunnels. Large spoil heap present. Activity level of holes ranging from very high to moderate.	[REDACTED]	None – setts 146 and 147 are located outside of the LoD and within an area of proposed habitat creation which would require no ground works.	None
147	[REDACTED]	[REDACTED]	Outlier	Moderate	2	One active hole, one disused. Between arable field and shrubland.	[REDACTED]		
148	[REDACTED]	[REDACTED]	Main	High	14	12 active holes, two disused. Edge of woodland and along field track. Smooth polished tunnels and well used pathways.	[REDACTED]	Disturbance – part of the sett is within the Order Limits (three holes within the existing field track). Direct impact to the sett is unlikely as a temporary access track would be routed so that it is 30m away. However, the close proximity of the sett to new underground cable	The sett would be retained but it would be necessary to temporarily shut the three holes on the field track. The holes would be re-opened post construction.

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
								construction activities would likely generate disturbance issues for the badger present and health and safety concerns for the work force (in terms of traffic collisions and/or avoidance manoeuvres)	
149	[REDACTED]	[REDACTED]	Outlier	Moderate	2	In woodland, spoil outside entrances. Smooth polished tunnels.	[REDACTED]	None – the sett is outside of the Order Limits where habitat creation is proposed which does not require any ground works.	None
151	[REDACTED]	[REDACTED]	Disused Outlier	Inactive	1	Single burrow on ditch side, overgrown vegetation.	[REDACTED]	None – the sett is outside of the Order Limits and is inactive	The sett was disused but appropriate good practice measures would be implemented if the sett's status changed i.e. retain and protect using buffer zones or close under licence
153	[REDACTED]	[REDACTED]	Outlier	High	1	Single entrance directly under pylon, fresh spoil heap.	[REDACTED]	None – the sett is outside of the Order Limits where the proposed works comprise removal of existing pylons only. The sett is located over 30m from the existing pylons.	The sett would be retained as works required in the vicinity of this sett would take a maximum of two days with no ground works needed and only the use

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
									of a tractor (or similar) necessary for access.
154	[REDACTED]	[REDACTED]	Outlier	High	2	Large fresh spoil heap, located on edge of woodland, prints on spoil. Smooth polished tunnels.	[REDACTED]	None – setts 154 to 156 are located outside of the LoD and within an area of proposed habitat creation which would not require any ground works.	None
155	[REDACTED]	[REDACTED]	Subsidiary	Moderate	3	Fresh spoil heap, smooth polished tunnels.	[REDACTED]		
156	[REDACTED]	[REDACTED]	Outlier	Low	1	Badger hole with limited activity, spoil heap outside entrance. Debris located within entrance.	[REDACTED]		
157	[REDACTED]	[REDACTED]	Disused Outlier	Inactive	1	Overgrown vegetation.	[REDACTED]	None – sett is currently disused	Currently the sett is disused but should it become active the nearest proposed works would be over 50m to the west comprising removal of an existing pylon only.
158	[REDACTED]	[REDACTED]	Disused Outlier	Inactive	3	Three disused holes, overgrown vegetation.	[REDACTED]	None – sett is outside the Order Limits and is currently disused	The sett was disused but appropriate good practice measures would be implemented if the sett's status changed i.e.

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
									retain and protect using buffer zones.
159	[REDACTED]	[REDACTED]	Disused Outlier	Inactive	3	Vegetation growing within sett.	[REDACTED]	None – sett is outside the Order Limits and is currently disused	The sett was disused but appropriate good practice measures would be implemented if the sett's status changed i.e. retain and protect using buffer zones.
160	[REDACTED]	[REDACTED]	Outlier	Low	3	Entrance is overgrown with vegetation, however well used pathways present.	[REDACTED]	None – the sett is within the Order Limits where the works comprise removal of existing pylons only. The sett is located over 30m from the existing pylons.	The sett would be retained as works required in the vicinity of this sett would take a maximum of two days with no ground works required and only the use of a tractor necessary for access.
164	[REDACTED]	[REDACTED]	Outlier	Very high	N/A	No access to survey fully, on adjacent land parcel. Outlier sett in riverbank, spoil heap present and located on a badger path	[REDACTED]	None – the sett is located outside the Order Limits and the nearest works would be new underground cable construction activities.	The sett would be retained and a 20m buffer zone maintained from the working area.
165	[REDACTED]	[REDACTED]	Outlier	Very High	1	Located within riverbank, lots of bedding material, fresh spoil, on badger path.	[REDACTED]	Destruction – the sett is within the Order Limits on the centre line of the	The sett would be closed and destroyed under licence prior to the start of works.

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
								underground cabling route.	
167	[REDACTED]	[REDACTED]	Outlier	Moderate	2	Located within bramble, fresh spoil heap present and surrounded vegetation has been flattened.	[REDACTED]	Disturbance – the sett is within the Order Limits located immediately adjacent the underground cabling. Direct impact to the sett is unlikely but the close proximity of the sett to construction activities are likely to generate disturbance issues for the badger present and health and safety concerns for the work force (in terms of traffic collisions and/or avoidance manoeuvres).	The sett would be temporarily closed prior to the start of works. The sett would be retained and re-opened post construction.
171	[REDACTED]	[REDACTED]	Outlier	High	3	Three-hole badger sett within field margin and hedgerow. Holes have mixed activity levels ranging from low to high. Fresh spoil heap present.	[REDACTED]	None – the sett is located outside the Order Limits and the nearest works would be new underground cable construction activities.	The sett would be retained and a 20m buffer zone maintained from the working area.
172	[REDACTED]	[REDACTED]	Disused Outlier	Inactive	1	Debris in tunnel and no evidence of use.	[REDACTED]	None – sett is currently disused	The sett was disused but appropriate good practice measures would be implemented if the

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
									sett's status changed i.e. closure under licence.
174	[REDACTED]	[REDACTED]	Disused Outlier	Inactive	1	Debris in tunnel and no evidence of use.	[REDACTED]	None – sett is currently disused	The sett was disused but appropriate good practice measures would be implemented if the sett's status changed i.e. closure under licence.
175	[REDACTED]	[REDACTED]	Subsidiary	High	6	Series of holes along field boundary, with varying activity level from moderate to high. Some holes had fresh spoil outside and smooth polished tunnels.	[REDACTED]	Destruction – the sett is within the Order Limits within the underground cabling route.	The sett would be closed and destroyed under licence prior to the start of works.
177	[REDACTED]	[REDACTED]	Main	unknown	N/A	Probably main badger sett, along whole edge of field, could not surveyed due to no land access.	[REDACTED]	Disturbance – part of the sett is within the Order Limits. Due to limited survey information it is assumed that holes are present along the entire hedgerow boundary feature. Direct impact to the sett is unlikely but the close proximity of the sett to new underground cable construction activities would likely generate	The sett would be retained but it would be necessary to temporarily shut those holes that are located within 30m of the works. It is possible that live dig precautions would also be required. The holes would be re-opened post construction

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
								disturbance issues for the badger present and health and safety concerns for the work force (in terms of traffic collisions and/or avoidance manoeuvres).	
178	[REDACTED]	[REDACTED]	Outlier	Low	2	Two holes of size for badger, two smaller holes possibly rabbit.	[REDACTED]	None – the sett is within the Order Limits where habitat creation is proposed, which requires no ground works. The nearest works are 40m to the south.	The sett would be retained and a 30m buffer zone maintained from the working area.
179	[REDACTED]	[REDACTED]	Disused	Inactive	4	Four badger holes disused but open, and several possible collapsed tunnels within 5m. Worn path leading into woodland.	[REDACTED]	None – sett is outside the Order Limits and is currently disused	The sett was disused but appropriate good practice measures would be implemented if the sett's status changed i.e. retain and protect using buffer zones
180	[REDACTED]	[REDACTED]	Disused Subsidiary	Inactive	5	Five large holes with old spoil heaps. Lots of leaf litter and debris within entrances, so likely disused.	[REDACTED]	None – sett is outside the Order Limits and is currently disused	The sett was disused but appropriate good practice measures would be implemented if the sett's status changed i.e. retain and protect using buffer zones

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
181	[REDACTED]	[REDACTED]	Outlier	High	1	Located within hedgerow, and fresh spoil heap present.	[REDACTED]	Disturbance – sett located within the Order Limits. Direct impact to the sett is unlikely. However, the close proximity of the sett to proposed new overhead line construction activities would likely generate disturbance issues for the badger present and health and safety concerns for the work force (in terms of traffic collisions and/or avoidance manoeuvres).	The sett would be temporarily closed prior to the start of works. The sett would be retained and re-opened post construction.
182	[REDACTED]	[REDACTED]	Subsidiary	High	3	Lots of bedding and fresh spoil heap outside entrance to sett.	[REDACTED]	None – the sett is outside of the Order Limits.	The sett would be retained and a 30m buffer zone maintained from the working area.
183	[REDACTED]	[REDACTED]	Outlier	Low	1	Fresh spoil heap outside entrance to sett.	[REDACTED]	None – the sett is outside of the Order Limits.	The sett would be retained and a 30m buffer zone maintained from the working area.
184	[REDACTED]	[REDACTED]	Outlier	Moderate	4	Fresh spoil outside hole of sett.	[REDACTED]	Disturbance – sett located within the Order Limits. Direct impact to the sett is unlikely. However, the close proximity of the sett to proposed new	The sett would be temporarily closed prior to the start of works. The sett would be retained and re-opened post construction.



Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
								overhead line construction activities would likely generate disturbance issues for the badger present and health and safety concerns for the work force (in terms of traffic collisions and/or avoidance manoeuvres).	
185	[REDACTED]	[REDACTED]	Subsidiary	Very Low	6	Small sett in hedgerow.	[REDACTED]	Disturbance – sett located within the Order Limits. Direct impact to the sett is unlikely. However, the close proximity of the sett to proposed new overhead line construction activities would likely generate disturbance issues for the badger present and health and safety concerns for the work force (in terms of traffic collisions and/or avoidance manoeuvres)	The sett would be temporarily closed prior to the start of works. The sett would be retained and re-opened post construction.
188	[REDACTED]	[REDACTED]	Outlier	Moderate	2	Two holes to sett, located in bank under hedgerow on the side of road.	[REDACTED]	None – the sett is outside of the Order Limits where they follow an existing sealed local road which carries large vehicles (similar to that required by	None

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
								the project) to and from the local quarry.	
190	[REDACTED]	[REDACTED]	Outlier	High	1	Recently excavated one hole sett with fresh spoil heap outside with a well-used pathway.	[REDACTED]	None – the sett is within the Order Limits but over 30m from the closest works which would comprise pylon removal	The sett would be retained and no heavy machinery or breaking ground would take place within 30m of the sett.
191	[REDACTED]	[REDACTED]	Main	Moderate	5	Five hole sett, with one inactive. Fresh spoil heap outside entrances and well worn mammal paths between holes.	[REDACTED]	None – the sett is within the Order Limits but over 30m from the closest works which would comprise pylon removal	The sett would be retained and no heavy machinery or breaking ground would take place within 30m of the sett.
192	[REDACTED]	[REDACTED]	Disused Subsidiary	Inactive	2	Two hole inactive sett with overgrown vegetation blocking entrances.	[REDACTED]	None – sett is outside the Order Limits and is currently disused	The sett was disused but appropriate good practice measures would be implemented if the sett's status changed i.e. retain and protect using buffer zones.
195	[REDACTED]	[REDACTED]	Disused Subsidiary	Inactive	5	Five holes, large excavation but debris in tunnels suggests no longer in use.	[REDACTED]	None – sett is currently disused but within the Order Limits	The sett was disused but appropriate good practice measures would be implemented if the sett's status changed i.e. retain and protect using buffer zones or close under licence.

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
197	[REDACTED]	[REDACTED]	Disused	Inactive	2	Two holes, debris in tunnels.	[REDACTED]	Disturbance – the sett is within the Order Limits although there is sufficient space within the LoD to avoid the sett	Setts 197 to 202 are located along the same hedgerow. As this sett is disused, should space for construction vehicle access be constrained, this sett would be hard stopped and destroyed prior to works.
198	[REDACTED]	[REDACTED]	Outlier	High	2	Two holes with clear mammal path running through tree line.	[REDACTED]	None – the sett is outside of the Order Limits, approximately 20m to the south	The sett would be retained and a 20m buffer zone maintained from the working area.
199	[REDACTED]	[REDACTED]	Outlier	Moderate	1	Single hole with bedding on spoil heap.	[REDACTED]	Disturbance – setts located within the Order Limits. Direct impact to the setts are unlikely.	The setts would be temporarily closed prior to the start of works. The setts would be retained and re-opened post construction
200	[REDACTED]	[REDACTED]	Annexe	Moderate	6	Six entrances to sett, fresh bedding and well used paths.	[REDACTED]	However, the close proximity of the setts to proposed new overhead line construction activities and removal of existing overhead line would likely generate disturbance issues for the badger present and health and safety concerns for the work force (in terms of	
201	[REDACTED]	[REDACTED]	Annexe	Moderate	2	Annexe with two holes within close proximity to the Main.	[REDACTED]		

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
								traffic collisions and/or avoidance manoeuvres).	
202	[REDACTED]	[REDACTED]	Main	High	9	Nine-hole sett on bank connected by well used mammal paths, fresh spoil in large entrances.	[REDACTED]	None – the sett is outside of the Order Limits where habitat creation is proposed, which would require no ground works. The closest proposed works is removal of an existing pylon over 60m away.	None
203	[REDACTED]	[REDACTED]	Disused Outlier	Low	2	Overgrown with signs of rabbit use, on steep bank adjacent to footpath.	[REDACTED]	None – sett is currently disused	The sett was disused but appropriate good practice measures would be implemented if the sett's status changed i.e. retain and protect using buffer zones
204	[REDACTED]	[REDACTED]	Outlier	Moderate	1	One hole sett with smooth polished tunnels.	[REDACTED]	None – the sett is outside of the Order Limits and over 40m from the LoD in this section.	The sett would be retained, and a 30m buffer zone maintained from the working area.
205	[REDACTED]	[REDACTED]	Outlier	Moderate	1	Tunnel into bank.	[REDACTED]	Disturbance – sett located within the Order Limits. Direct impact to the sett is unlikely. However, the close proximity of the sett to proposed new	The sett would be temporarily closed prior to the start of works. The sett would be retained and re-opened post construction.

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
								overhead line construction activities and removal of existing overhead line would likely generate disturbance issues for the badger present and health and safety concerns for the work force (in terms of traffic collisions and/or avoidance manoeuvres).	
206	[REDACTED]	[REDACTED]	Outlier	Low	2	Two holes, with leaf litter within entrances.	[REDACTED]	None – the sett is within the Order Limits but the woodland and field edge where the sett is located would be retained. All works would keep a 15m buffer from the edge of the woodland that supports the sett. The likely location of a proposed new pylon is over 30m from the sett.	The sett would be retained and a 15m buffer zone maintained from the working area.
209	[REDACTED]	[REDACTED]	Main	High	21	Small hill with 21 active, typical badger sett holes. Likely Main, but unable to survey due to access issues. Surveyed from adjacent field. Fresh spoil heaps,	[REDACTED]	Disturbance – the sett is within the Order Limits but the woodland and field edge where the sett is located would be retained. Direct impact to the sett is unlikely as a temporary access track has been	The sett would be retained as the disturbing activities would be very short term and badgers would be able to move around in this large sett to avoid any short-term

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
						latrines, well-worn paths.		relocated 30m from the edge of the woodland edge. However, the close proximity of the sett to piling activities required for a new pylon would likely generate disturbance issues for the badger present and health and safety concerns for the work force (in terms of traffic collisions and/or avoidance manoeuvres).	intolerable disturbance impacts.
210	[REDACTED]	[REDACTED]	Outlier	Low	1	Small hole at edge of garden. Located underneath conifers.	[REDACTED]	None – the sett is outside of the Order Limits with the closest works comprising removal of an existing pylon nearly 50m to the south	The sett would be retained and a 30m buffer zone maintained from the working area.
211	[REDACTED]	[REDACTED]	Disused	Inactive	2	Two holes of right size and shape for badger, located by fishing lake - one on bank facing lake, one on other side of bank facing away from lake. Possible snuffle holes present but no clear mammal paths.	[REDACTED]	None – sett is outside the Order Limits and is currently disused	The sett was disused but appropriate good practice measures would be implemented if the sett's status changed i.e. retain and protect using buffer zones

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
212	[REDACTED]	[REDACTED]	Outlier	Low	1	Fresh spoil present outside hole, however, vegetation in front of entrance with no clear pathway.	[REDACTED]	None – the sett is outside of the Order Limits and located close to proposed habitat creation which would require no ground works.	None
213	[REDACTED]	[REDACTED]	Disused	Inactive	1	No evidence found to show activity/use.	[REDACTED]	None – sett is outside the Order Limits and is currently disused	The sett was disused but appropriate good practice measures would be implemented if the sett's status changed i.e. retain and protect using buffer zones.
214	[REDACTED]	[REDACTED]	Subsidiary	Moderate	13	13 holes, four seem active due to fresh bedding, well used pathways between holes, and polished tunnels. All located on the edge of woodland, one hole on bank of ditch. Disused holes had debris in tunnel. Hole directions east and west.	[REDACTED]	None – the sett is outside of the Order Limits and located close to proposed overhead line realignment works.	The sett would be retained and a 30m buffer zone maintained from the working area.
215	[REDACTED]	[REDACTED]	Disused Outlier	Inactive	1	Evidence of badger setts with hole at base of tree and other disturbed ground in	[REDACTED]	None – sett is outside the Order Limits and is currently disused	The sett was disused but appropriate good practice measures would be implemented if the

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
						garden. Surveyors unable to access to survey further. Anecdotal evidence from adjacent farm owner suggests previous use by badger approximately 12 months ago.			sett's status changed i.e. retain and protect using buffer zones.
216	[REDACTED]	[REDACTED]	Outlier	Moderate	1	One entrance hole, fresh spoil heap and obvious path to entrance. Slightly narrow but tall entrance, tunnel maintains size to fit badger. Potential badger active. No evidence of use by other mammals.	[REDACTED]	None – the sett is outside of the Order Limits and all works would keep a 15m buffer from the edge of the woodland that supports the sett. A temporary access track would be installed approximately 30m from the sett.	The sett would be retained and a 15m buffer zone maintained from the working area.
217	[REDACTED]	[REDACTED]	Disused	Inactive	1	Hole at base of tree in hedgerow. Debris and leaf litter located within entrance.	[REDACTED]	None – sett is currently disused	The sett was disused but appropriate good practice measures would be implemented if the sett's status changed i.e. retain and protect using buffer zones or closure under licence.
218	[REDACTED]	[REDACTED]	Disused	Inactive	2	Two holes along hedgerow. Overgrown	[REDACTED]	None – sett is currently disused	The sett was disused but appropriate good



Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
						and tunnels full of debris.			practice measures would be implemented if the sett's status changed i.e. retain and protect using buffer zones or closure under licence
220	[REDACTED]	[REDACTED]	Disused	Inactive	2	Two holes. Potential to be rabbit but with badger features mainly spoil and hole size.	[REDACTED]	None – sett is outside the Order Limits and is currently disused	Currently the sett is disused but should it become active the closest works would be habitat creation only where ground works are not required.
221	[REDACTED]	[REDACTED]	Disused	Inactive	1	Single hole at based of tree in hedge. Overgrown with vegetation and entrance filled with leaf litter.	[REDACTED]	None – sett is outside the Order Limits and is currently disused	The sett was disused but appropriate good practice measures would be implemented if the sett's status changed i.e. retain and protect using buffer zones
222	[REDACTED]	[REDACTED]	Disused	Inactive	1	Hole at top of bank, overgrown with grass, cleavers and nettles.	[REDACTED]	None – sett is outside the Order Limits and currently disused	The sett was disused but appropriate good practice measures would be implemented if the sett's status changed i.e. retain and protect using buffer zones.

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
223	[REDACTED]	[REDACTED]	Annexe	Moderate	8	Sett comprising eight entrances. Approximately two holes inactive. Other entrances are the standard D shape, with fresh bedding in front of entrance. Main outside survey area to south (Sett 224). Entrance has fresh spoil heap and well-used pathway	[REDACTED]	None – the sett is outside of the Order Limits and closest to habitat creation (no construction works)	None
225	[REDACTED]	[REDACTED]	Disused Outlier	Inactive	1	Series of holes which could be part of rabbit warren. One hole is large enough to be a potential badger hole. Reasonably fresh spoil otherwise no evidence of badger use nearby. Well used pathway but some debris present within entrance.	[REDACTED]	None – the sett is outside of the Order Limits and disused	The sett was disused but appropriate good practice measures would be implemented if the sett's status changed i.e. retain and protect using buffer zones.
226	[REDACTED]	[REDACTED]	Outlier	Moderate	2	Two holes. Second is a potential due to smaller size which may be too small for badger at present. Other hole has fresh spoil heap outside	[REDACTED]	Destruction – the sett is within the Order Limits. It is likely that a new pylon would be unavoidably located within 20m of the	The sett would be closed and destroyed under licence, prior to the start of works.

Sett ID No.	Easting	Northing	Provisional Sett Type	Activity Level	No of Holes	Survey Notes	Approx. Distance to the Order Limits (m)	Predicted Impact	Proposed Measures
						and little/no debris in tunnel, and well-used pathway suggesting semi-frequent use.		sett which requires a 40m x 40m working area.	
232	[REDACTED]	[REDACTED]	Outlier	Moderate	1	Some fresh spoil, located within hedgerow.	[REDACTED]	None – the sett is outside of the Order Limits and is over 30m from the nearest works which would be proposed pylon removal. No installation proposed in this section.	The sett would be retained and a 30m buffer zone maintained from the working area.
234	[REDACTED]	[REDACTED]	Outlier	Very Low	3	Three holes on mound near base of large ash. One hole well used and large enough for badger. Clear entrance. Some rabbit droppings adjacent to holes.	[REDACTED]	None – the sett is within the Order Limits in a section for conductor works to existing pylons only.	The sett would be retained and a 30m buffer zone maintained from the working area.
237	[REDACTED]	[REDACTED]	Outlier	Moderate	1	Some fresh spoil, in small woodland.	[REDACTED]	None – the sett is outside the Order Limits where the nearest works would comprise removal of existing pylons only. The sett is located over 30m from the existing pylons.	The sett would be retained as works required in the vicinity of this sett would take a maximum of two days with no ground works and the use of a tractor only necessary for access.

## 2.3 Setts Where Licence Necessary

2.3.1 Twenty-eight setts located within the Order Limits would require closure under licence if impacts cannot be avoided (see Figure 2 and summary in Table 2.2). Twenty badger setts would require temporary closure but could be re-opened upon completion of the construction works. Four setts would require permanent closure and destruction. The partial closure of three main setts would be required but this would not affect the overall integrity of the effected sett and those holes shut would be re-opened upon completion of the construction works. It would also be necessary to temporarily shut holes which are within the Order Limits for one sett located on the boundary of Alder Carr woodland. Figure 2 shows badger sett location and the proposed closure required.

Table 2.2 – Licensable Activities Summary

Action	Sett ID No.
Permanent sett closure (4 setts)	26, 165, 175, 226
Temporary sett closure (20 setts)	5, 32, 82, 104, 105, 106, 107, 112, 113, 116, 126, 143, 167, 181, 184, 185, 199, 200, 201, 205
Partial closure of main setts (3 setts)	102, 148, 177
Partial closure of other setts (1 sett)	129

## 2.4 Pre-Construction Surveys

2.4.1 Pre-construction surveys would be completed to support the final licence application should the development consent be granted.

# 3. Mitigation and Work Schedule

## 3.1 Approach

- 3.1.1 From the early stages of the project, the requirements of all protected and notable species and habitats have been considered and, where practicable, taken into account when determining the Order Limits and LoD. Section 3.2 of this licence application details embedded and good practice measures specific to avoiding or reducing impacts to badger.
- 3.1.2 Based on their position within or adjacent to the Order Limits, 20 setts (16 outliers, three annexes and one subsidiary) would require temporary closure if the setts cannot be avoided or an appropriate buffer zone created. These setts would be re-opened upon the completion of works.
- 3.1.3 Setts 26 (Outlier), 165 (Outlier), 175 (Subsidiary) and 226 (Outlier) would require permanent closure and destruction.
- 3.1.4 Three main setts (Setts 102, 148 and 177) would require partial closure due to the location of some of the holes and the vicinity of the proposed works. The rest of the sett would remain intact and unaffected. Therefore, there would be no overall impact on sett integrity for each of these main setts. The temporarily closed entrance holes within the Order Limits would be re-opened upon completion of the construction work.
- 3.1.5 One subsidiary sett (sett 129) [REDACTED] would require partial closure for those holes that are within the Order Limits.
- 3.1.6 All other active setts identified during the 2022 surveys that are outside the Order Limits, but within 30m, would be protected through the use of appropriate buffers. These setts may be subject to minor disturbance during construction but given the likely short duration, temporary and localised nature of the proposals, any disturbance caused is considered unlikely to significantly affect any badgers that might be present at that time. The embedded and good practice measures detailed below are considered sufficient to further reduce the magnitude of any disturbance.
- 3.1.7 The Order Limits are typically 100m wide in the underground cable sections with a typically 80m wide working corridor (excluding trenchless crossing locations). The cables would be generally buried to a minimum depth of 0.9m below ground level. The sequence to install the cables is anticipated to consist of three site teams working in sequence; a team who would excavate the cable trenches; a team to install the ducts; and a backfill team to replace the soil over the ducts. The assumption is that between them, the teams can excavate, install the ducts and backfill approximately 60m per day for a typical opencut section where there are no constraints. With implementation of embedded and good practice measures outlined in Section 3.2, it is considered that all badgers and social groups would have continued access to habitats used for foraging and commuting, including substantial areas of unaffected habitat beyond the Order Limits.
- 3.1.8 Overhead lines because of their nature are isolated and the impacts are limited to the base of the pylons and access routes. Although pylons would need foundations (potentially piled) the working footprint would be small, and it is assumed that these can be located away from known setts. If this is not practicable then specific details would be included in the final badger licence.
- 3.1.9 Badger setts within the Order Limits that are confirmed as disused would either be left in-situ with the entrance holes 'hard stopped' (e.g. with wooden stakes) or destroyed under

the supervision of the ecologist to prevent badgers from taking residence in them during the construction period. Evidence would be recorded of the survey and/or monitoring activity that was undertaken to conclude that there were no signs of use by badger. Hard-stopped entrances would be re-opened on completion of construction works at that location. A licence would not be required for these activities.

## 3.2 Good Practice Measures

3.2.1 The following good practice measures have been implemented to avoid or reduce impacts to badger and their setts, as set out in the Register of Environmental Actions and Commitments (**application document 7.5.2**) in Appendix B of the Construction Environmental Management Plan (CEMP) (**application document 7.5**) and the Code of Construction Practice (CoCP) (**application document 7.5.1**) in Appendix A of the CEMP (**application document 7.5**):

- GG04: A suitably experienced Environmental Manager will be appointed for the duration of the construction phase. In addition, a qualified and experienced Environmental Clerk of Works will be available during the construction phase to advise, supervise and report on the delivery of the mitigation methods and controls outlined in the CEMP. The Environmental Clerk of Works will monitor that the works proceed in accordance with relevant environmental DCO requirements and adhere to the required good practice and mitigation measures. The Environmental Clerk of Works will be supported as necessary by appropriate specialists, including ecologists and arboriculturalists;
- B01: The contractor(s) will comply with relevant protected species legislation. Appropriate licences will be obtained where necessary from Natural England for all works affecting protected species as identified by the Environmental Statement and through pre-construction surveys. All applicable works will be undertaken in accordance with the relevant requirements and conditions set out in those licences;
- B03: Where there would be a risk of animal entrapment, a means of escape would be installed into all excavations left open overnight;
- GG08: Where sensitive features are to be retained within or immediately adjacent to the Order Limits, an appropriate protective area will be established using suitable demarcation and signage and will be inspected, repaired and replaced as necessary. Sensitive features will be shown on the Vegetation Removal and Retention Plan and the Vegetation Reinstatement Plan contained within the Landscape and Ecological Management Plan;
- GG20: Construction lighting will be of the lowest luminosity necessary to safely perform each task. It will be designed, positioned and directed to reduce the intrusion into adjacent properties, protected species and sensitive habitats.
- B10: Removal of existing pylons which includes 'felling' will be directional and away from woodland, hedgerows and field boundaries.
- B11: Badger setts within the Order Limits that are confirmed as disused would either be left in-situ with the entrance holes 'hard stopped' (e.g. with wooden stakes) or destroyed under the supervision of an ecologist to prevent badgers from taking residence in them during the construction period. Evidence would be recorded of the survey and/or monitoring activity that was undertaken to conclude that there were no signs of use by badger. Hard-stopped entrances would be re-opened on completion

of construction works at that location. A licence would not be required for these activities.

### 3.3 Design Assumptions

3.3.1 In addition to the good practice measures set out in Section 3.2, this section sets out assumptions that have been made with regards to potential impacts on badger as a result of the Proposed Alignment.

#### General Assumptions

- The temporary access road [REDACTED] located within Section E: Dedham Vale AONB will be limited to light vehicles only.
- All construction works will be located 30m away from the following badger sett at all times: 29, 31, 41, 43, 44, 46, 59, 73, 74, 76, 77, 84, 86, 88, 89, 92, 95, 96, 97, 100, 101, 108, 109, 110, 156, 155, 154, 153, 151, 178, 182, 183, 202, 204, 210, 212, 214, 223, 234. The 30m buffer will be demarcated by an ecologist to prevent encroachment.
- All construction works will be located 20m away from the following badger setts at all times: 91, 103, 164, 171, 198. The 20m buffer will be demarcated by an ecologist to prevent encroachment.
- All construction works will be located 15m away from the following badger setts at all times: 128, 131, 133, 135, 136, 138, 141, 142, 206, 216. The 15m buffer will be demarcated by an ecologist to prevent encroachment.
- No heavy machinery or breaking ground will take place within 30m of the following setts: 190, 191.

#### Unavoidable Closure of Badger Setts

3.3.2 Twenty-eight setts located within the Order Limits would require some level of closure under licence. It may be possible that these setts could be retained and protected using appropriate buffers and reduced width working methods once detailed design is undertaken. However, for the purposes of this draft licence application, it is assumed that each of these setts would require closure.

3.3.3 The process of sett closure (both temporary and permanent) would be as follows:

- Pre-construction survey would be undertaken and sett monitoring where required to ascertain location and status of badger setts within 30m of the Order Limits;
- The precise timings for when the sett closures would take place is not yet known but it would be within the licensable period (1 July to 30 November). The dates would be influenced by when development consent is granted and the timing of construction activities at each sett;
- All entrances to disused setts within the Order Limits would be hard stopped using wooden stakes or a similarly robust material;
- One-way badger gates would be fitted to any entrances exhibiting use by badger. An apron of heavy-duty chain link, stock or weld mesh fencing, secured to the ground using metal pegs or wooden stakes and staples, would be installed around the entire sett to prevent badgers from re-entering it;

- Vegetation clearance may be required to assist with the closure, but this would involve above ground clearance only with stumps and roots being retained in-situ until the sett closure has been completed;
- The exclusion of badger would take place over a minimum period of 21 days after the last date when badgers were recorded leaving the sett. Monitoring visits would take place at least once every three days during the exclusion to determine whether badgers are still active in the sett. Monitoring would be achieved using camera traps and by placing small sticks within the tunnel and in front of the one-way gates. The sticks would be placed as follows:
  - two to three sticks (depending on width of tunnel) would be placed at arm's length into the tunnel; and
  - two to three sticks (depending on width of the tunnel) would be placed immediately behind the gate inside the tunnel.
- The ecologists undertaking the monitoring would be experienced with badger exclusion and mitigation works (to be evidenced in Section 11 of the licence application form) and would carry hand tools to make necessary repairs to gates and proofing;
- Once it had been established that badger had been excluded (after a minimum of 21 days with no signs of badgers having regained entry into the sett), the sett would either be securely closed (i.e. the weld mesh apron would remain in place and wooden stakes or metal pins would be inserted in front of the gates so they cannot be opened again);
- Closed setts requiring destruction would be immediately destroyed using excavators under the direction of the licence holder or appointed accredited agent; and
- An excavator with an appropriately sized grading/untoothed bucket would be used to remove large volumes of overburden and to dig through the sett, following the route of each tunnel to its terminus. Once each tunnel has been excavated to its terminus, the excavation would either be backfilled and the entire sett area covered over with chain link, stock proof or weld mesh fencing to prevent badger from re-excavating the sett until construction activity in the area began or construction excavations would start immediately.



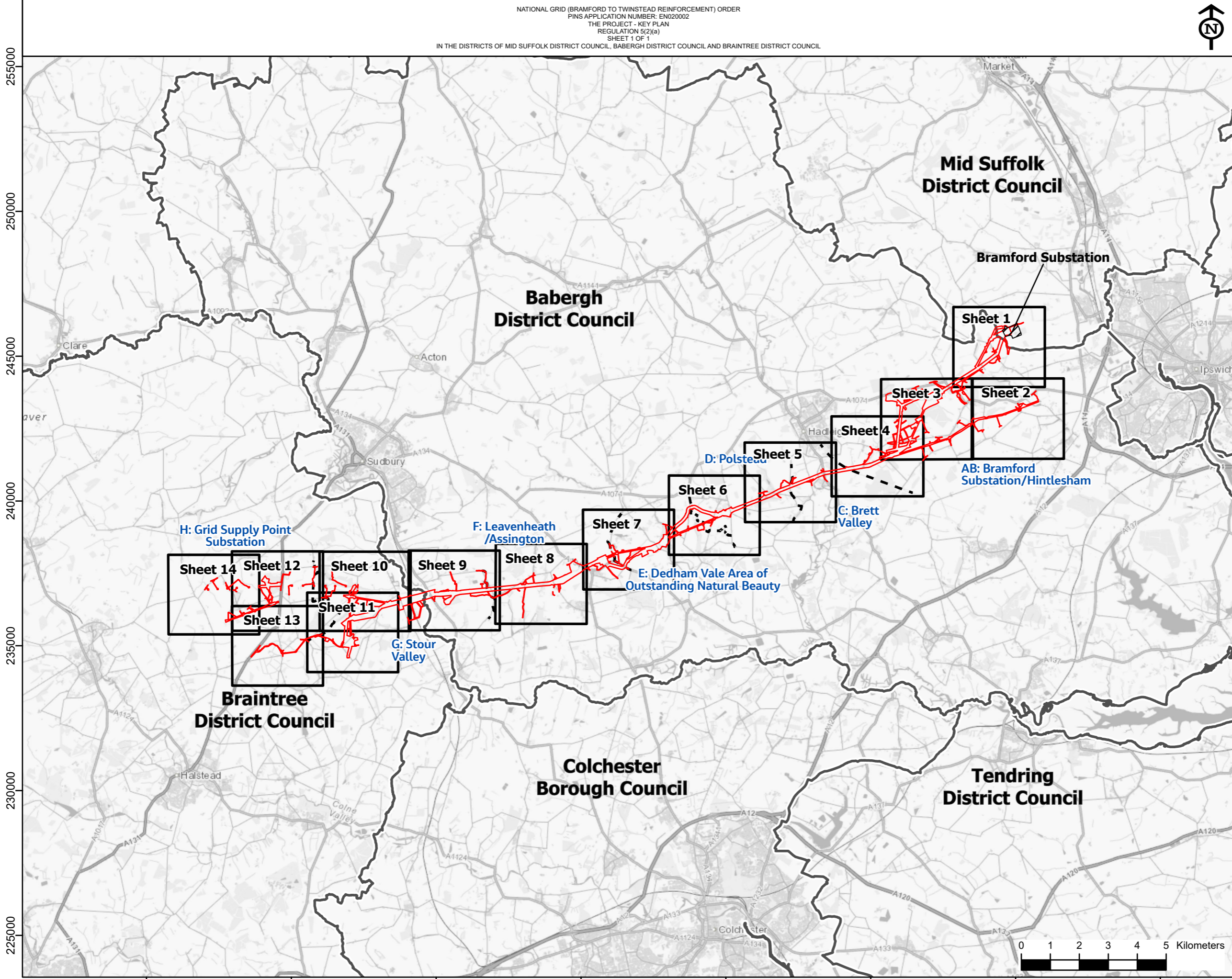
## 4. Maintenance and Monitoring

### 4.1 During Sett Closure

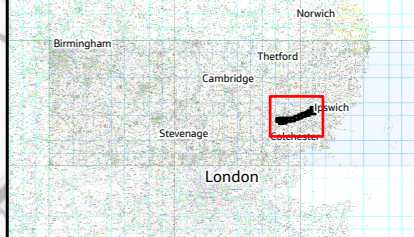
- 4.1.1 During closure, each sett would be monitored at least once every three days over the exclusion period as described in Section 3.3.
- 4.1.2 Monitoring would be undertaken by the licence holder or a suitably qualified accredited agent (carrying a letter of authorisation from the licence holder), to ascertain the level of badger activity, to ensure the gates are working correctly, and to assess the condition of the badger proof fencing or aprons if used.
- 4.1.3 These monitoring visits would allow for any maintenance or repairs to be carried out where necessary.

### 4.2 During Construction

- 4.2.1 After sett closure and during construction, an ecologist would monitor the construction working areas for badger activity. Attempts by badgers to re-excavate sites of dismantled setts or to re-enter exclusion areas before setts are dismantled would be monitored and additional proofing installed, where necessary.
- 4.2.2 Any newly excavated setts within the Order Limits would be protected with appropriate buffer zones, if possible. Where the retention of any new setts was not practicable, an application for a licence to interfere with the sett would be submitted to Natural England.



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



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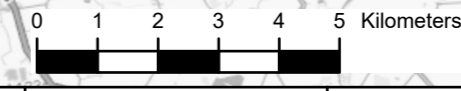


TITLE: Figure 1  
The Project - Key Plan

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

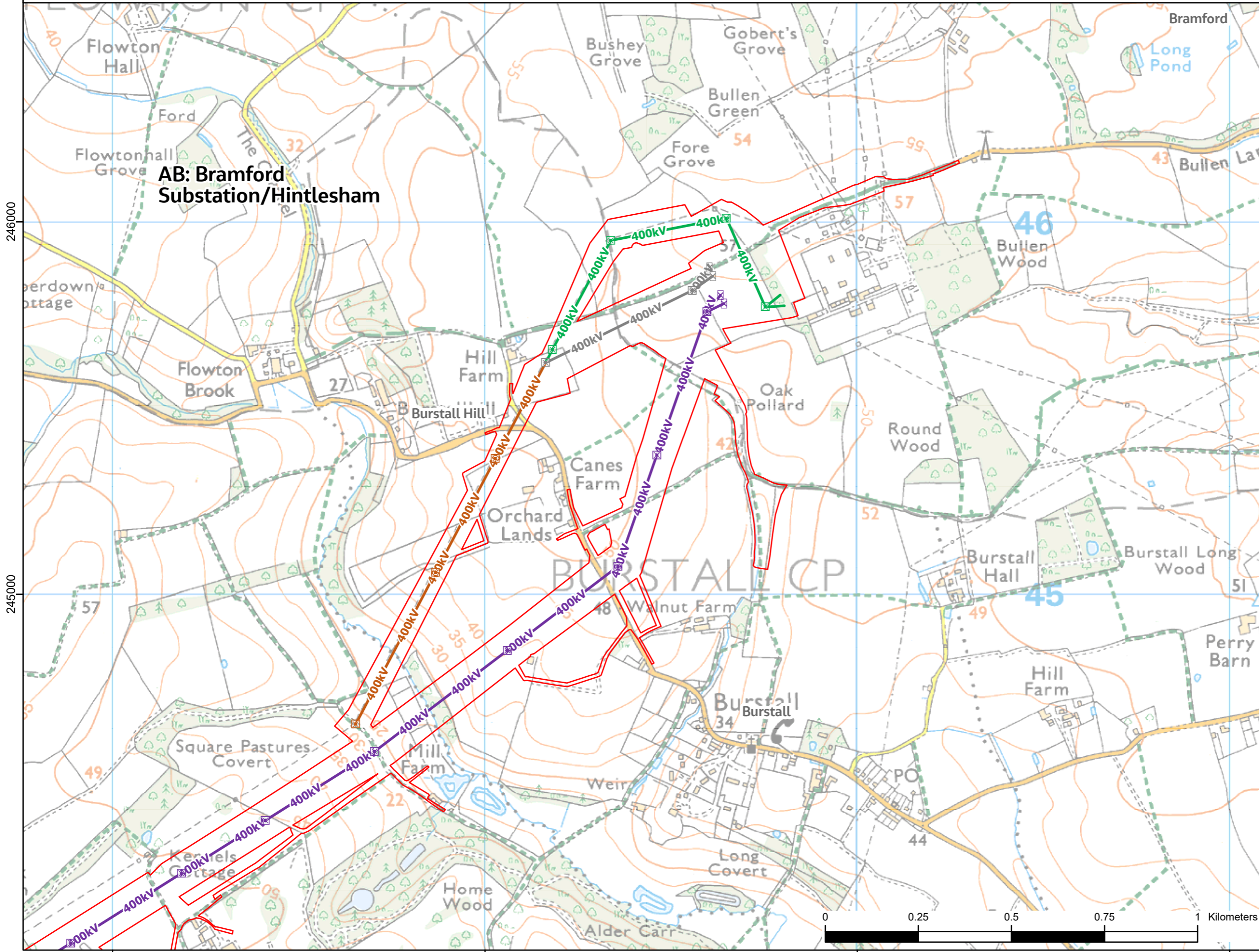
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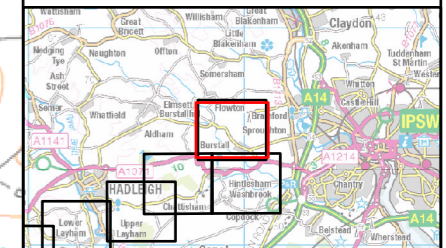




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- Section boundaries
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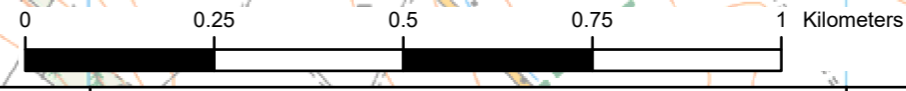


TITLE: Figure 1  
The Project

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

ORIGINATOR DRAWING NO. AAA\_BTT\_Badger\_License\_Fig01\_Rev01 A3

NG DRAWING No. BT-JAC-020631-500-0119	SHEET NO. 1	NO. OF SHEETS 14	ISSUE: A
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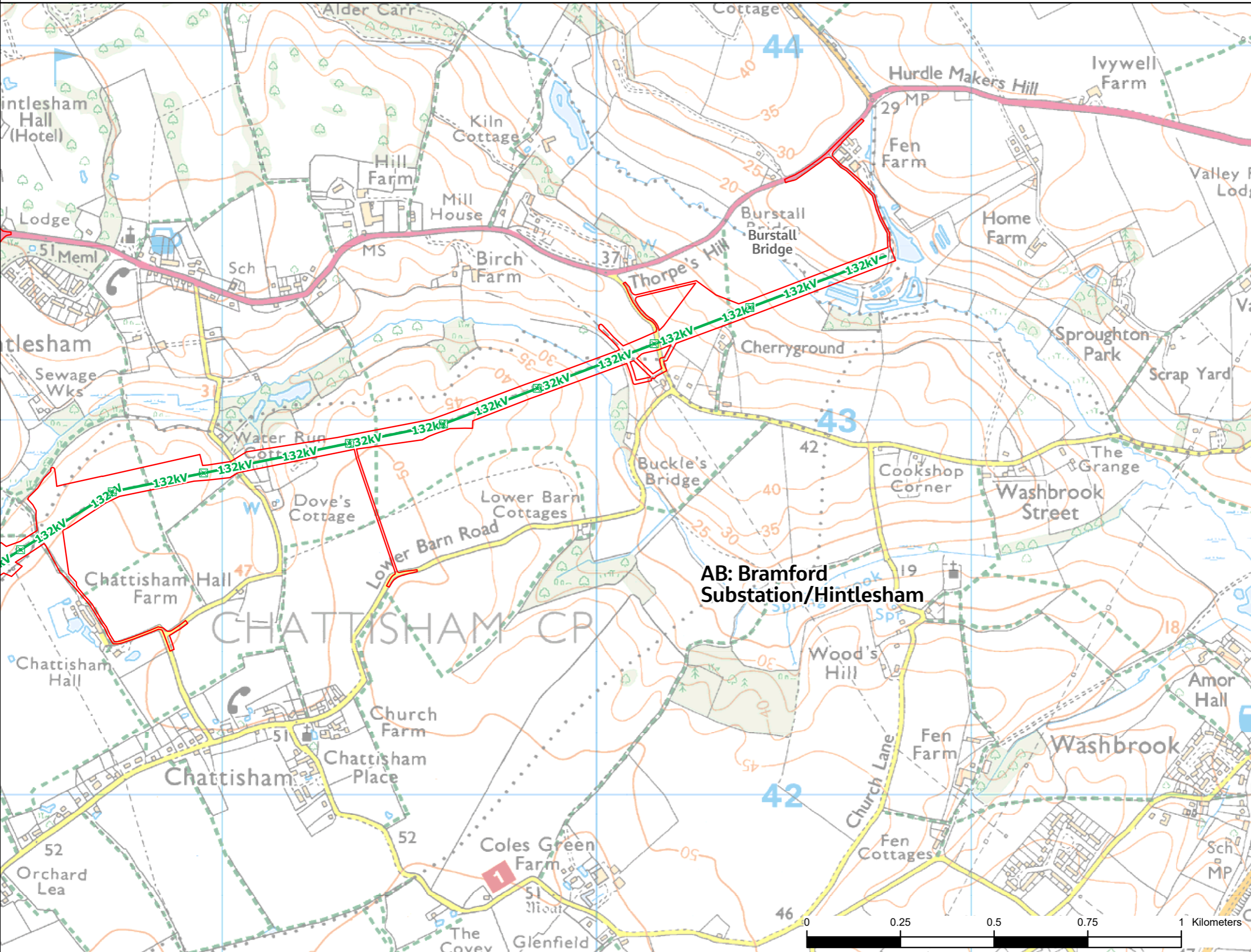
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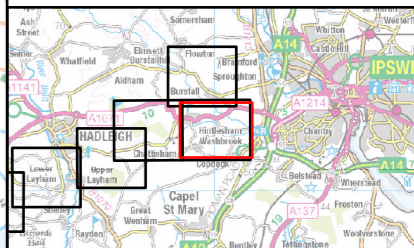


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**nationalgrid**

TITLE: Figure 1  
The Project

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

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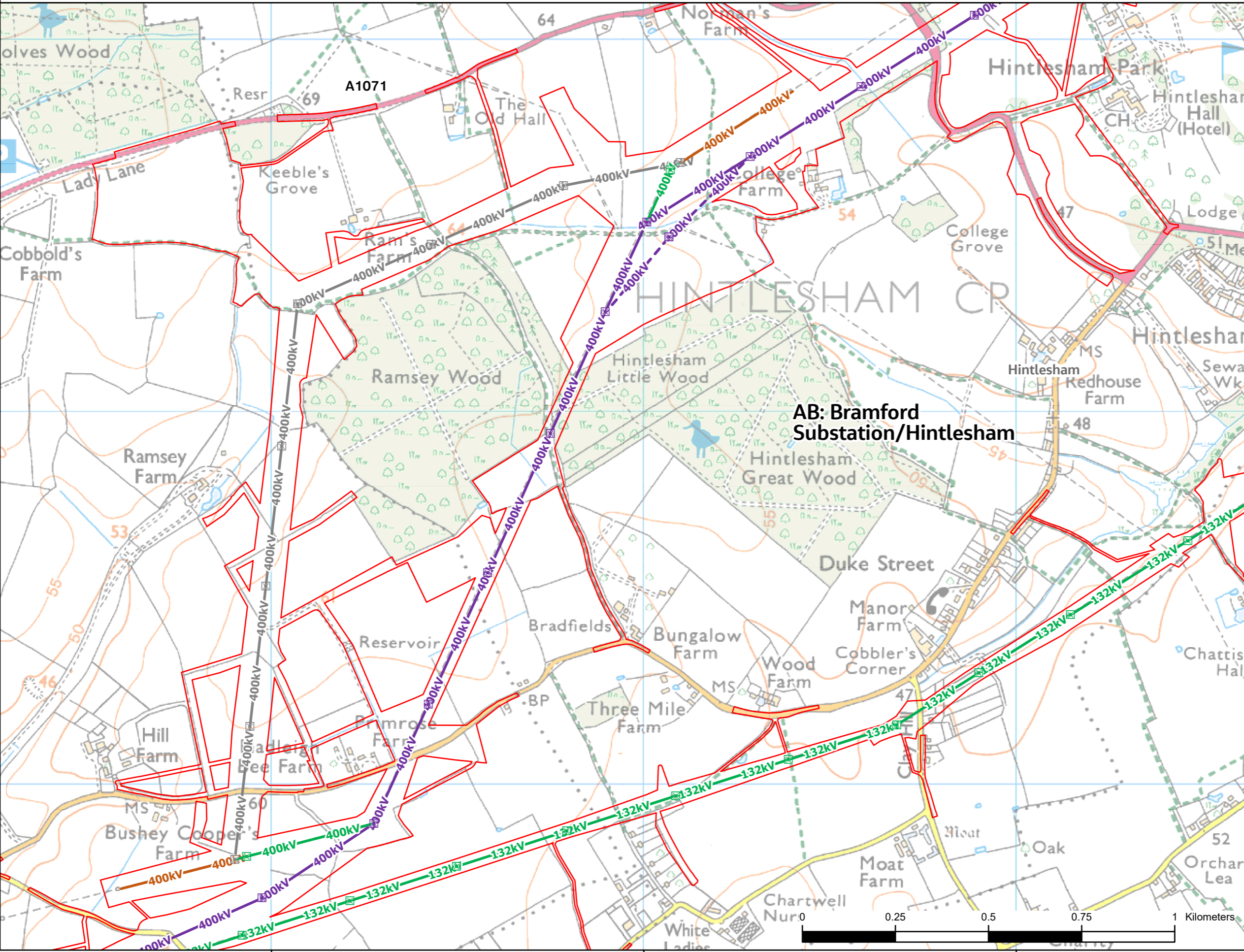
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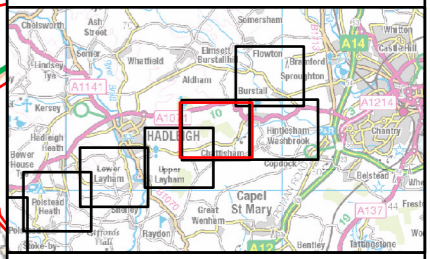


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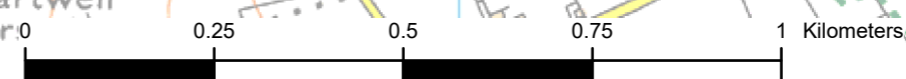
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PROJECT: Bramford to Twinstead Reinforcement



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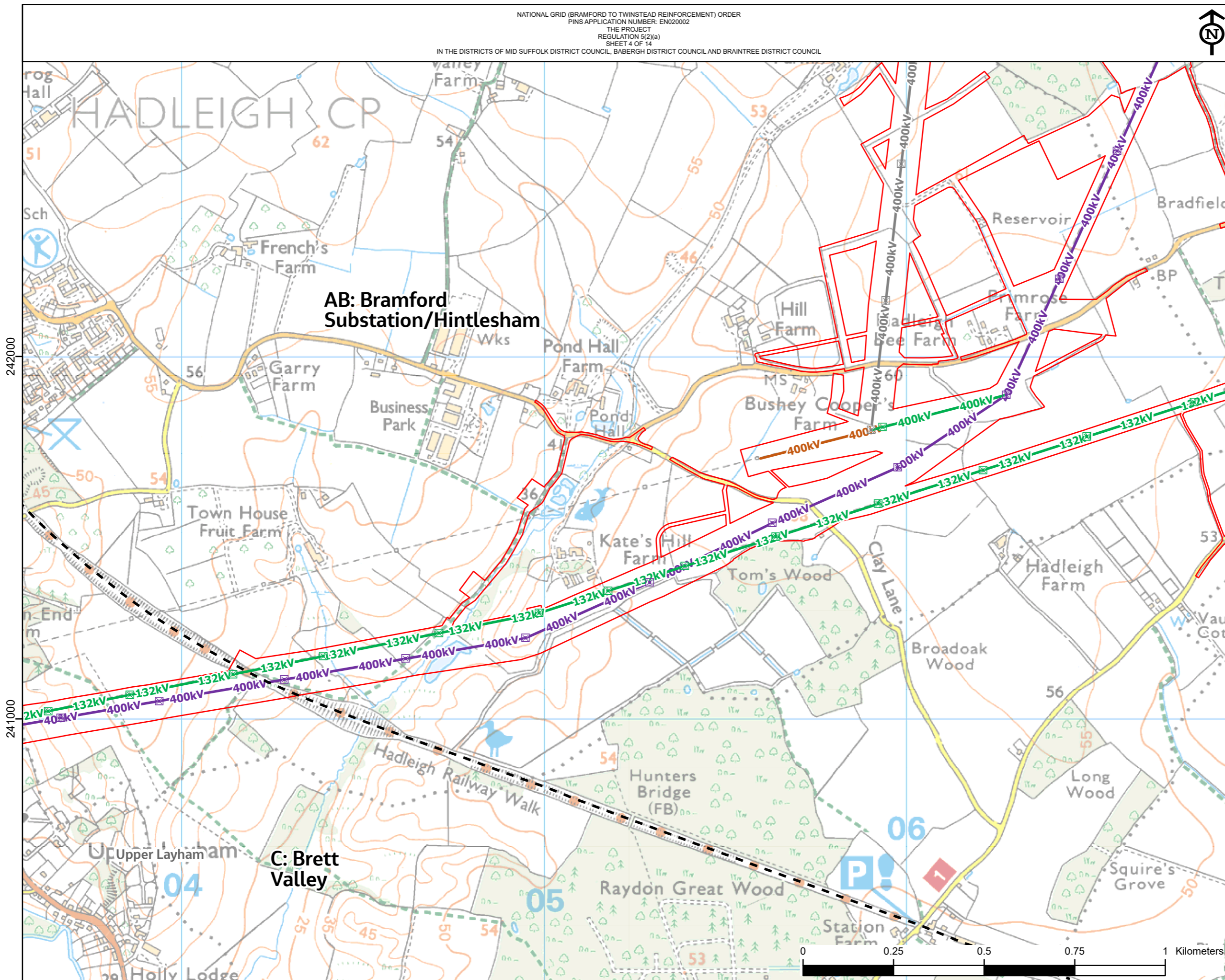
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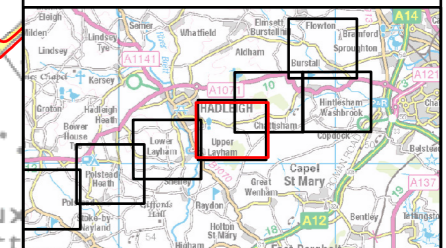
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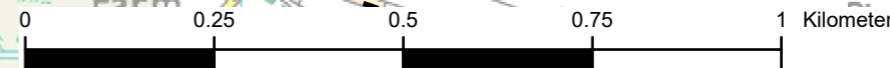
**nationalgrid**

TITLE: Figure 1  
The Project

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

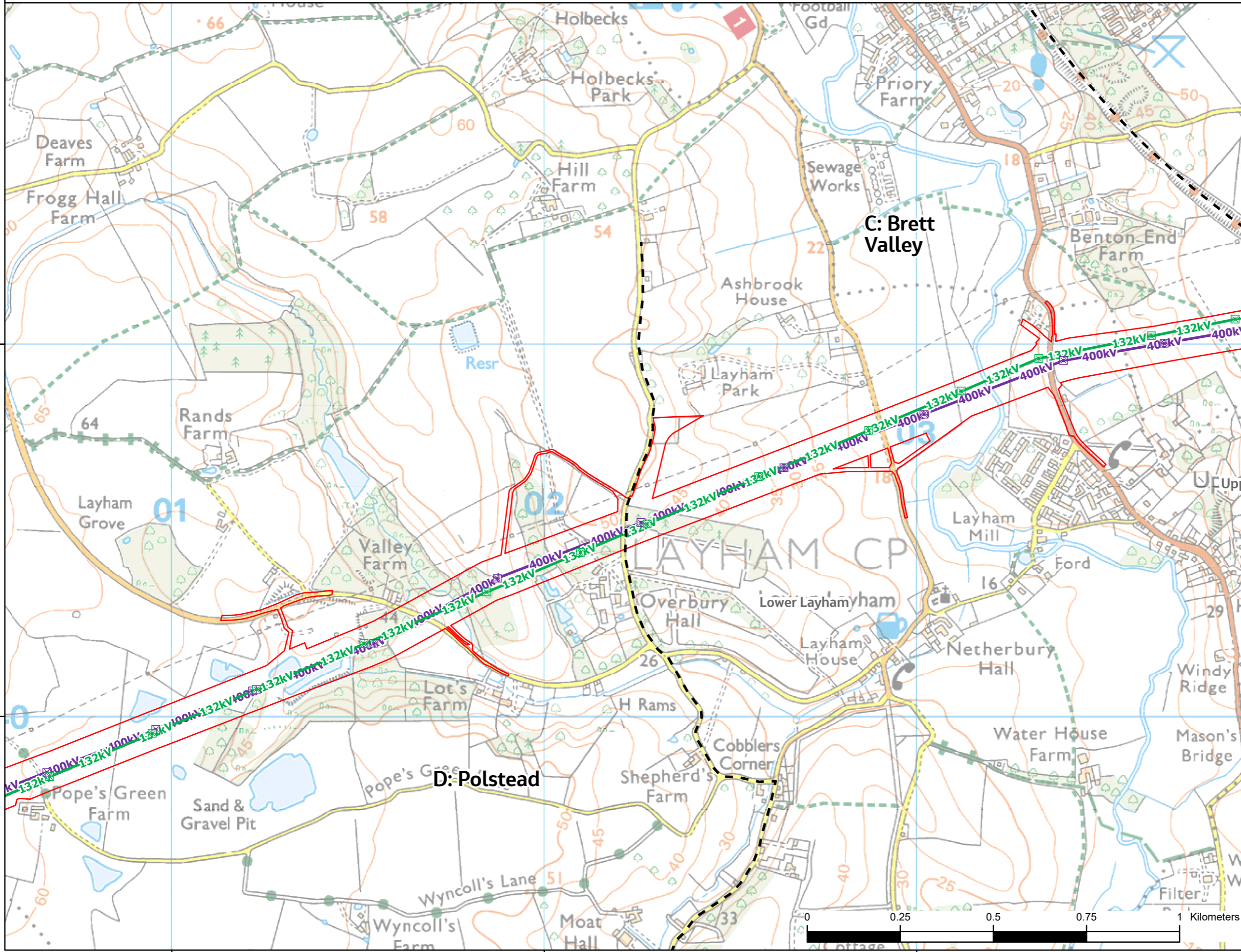
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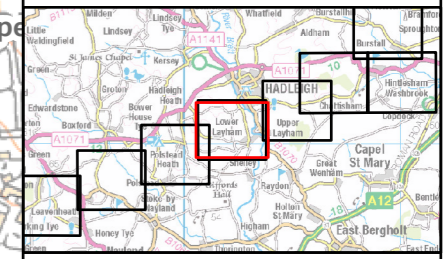




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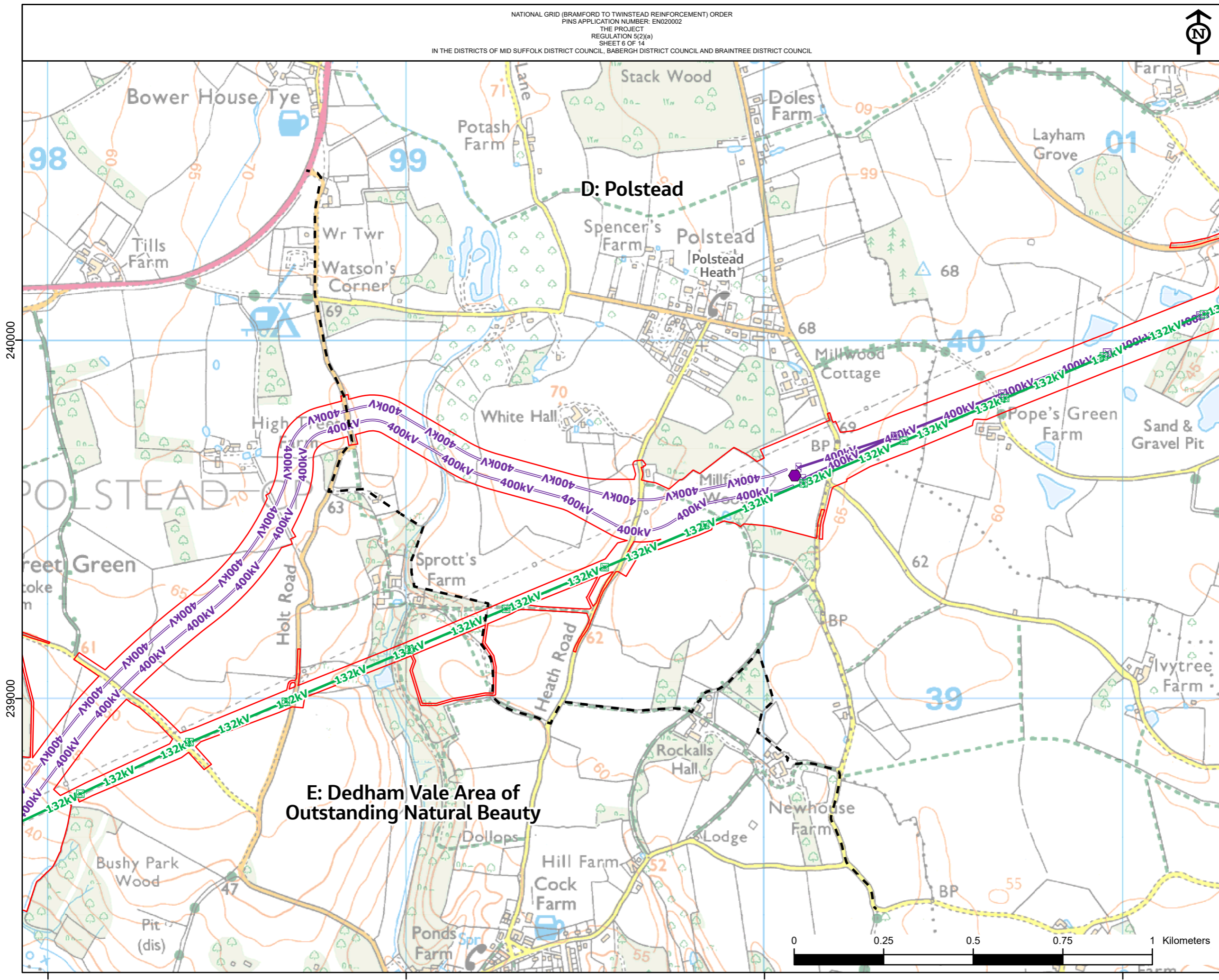


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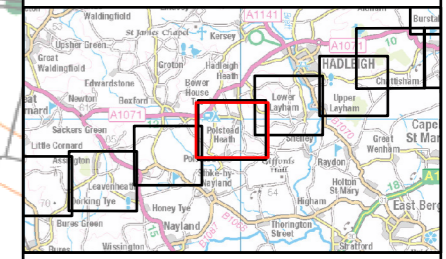
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TITLE: Figure 1  
The Project

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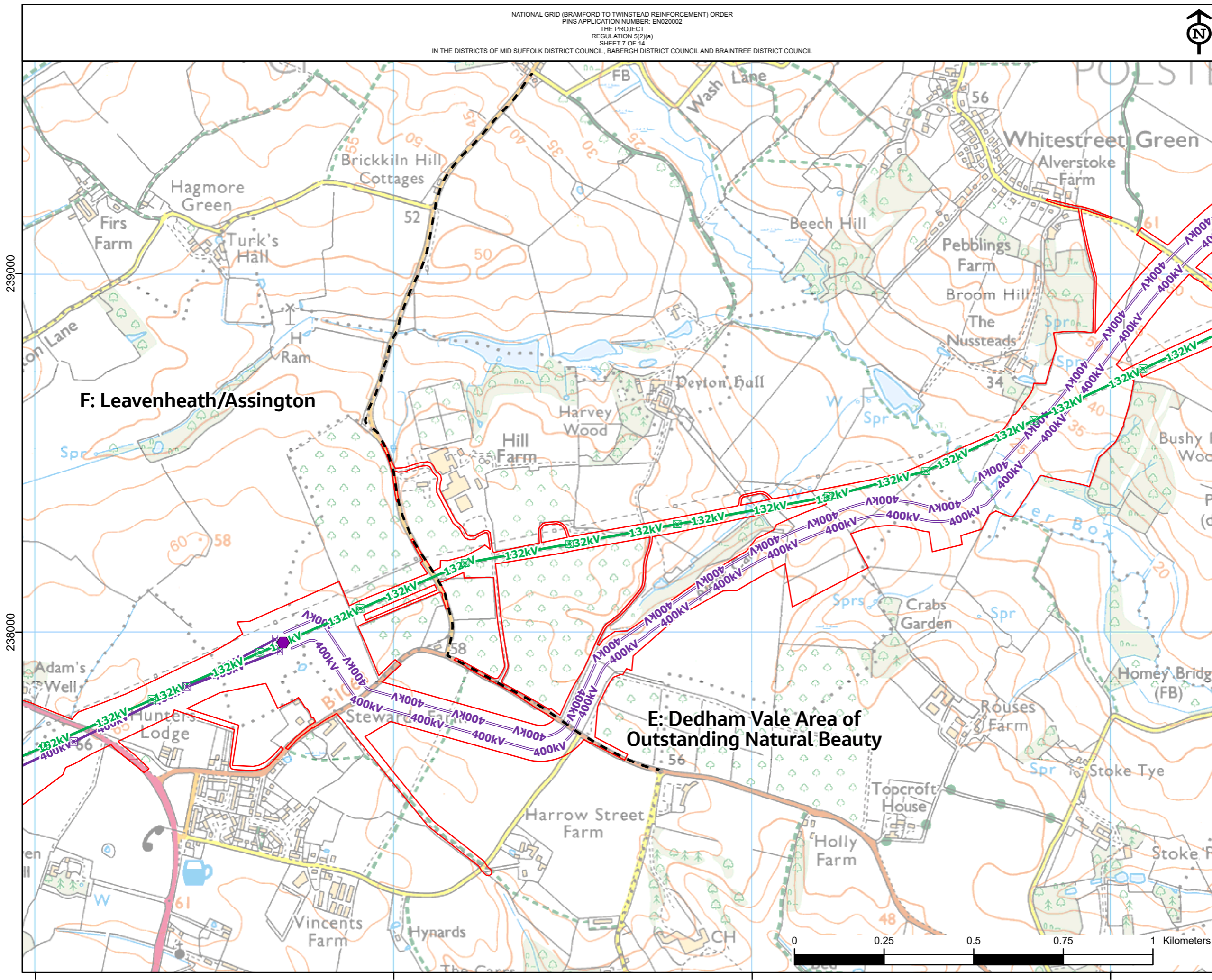


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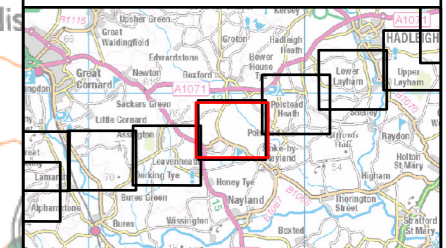




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TITLE: Figure 1  
The Project

CIRCUIT / SITE :  
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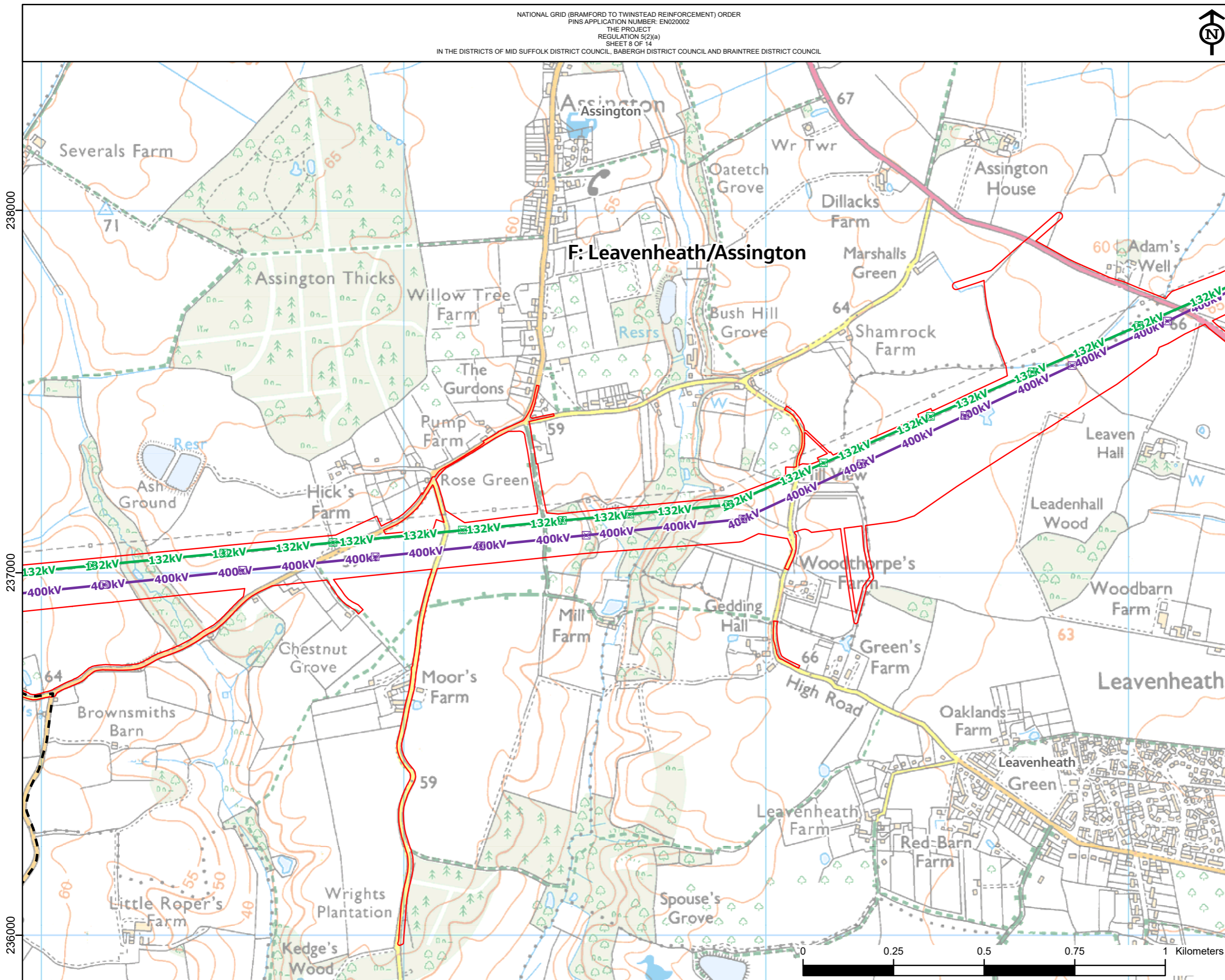
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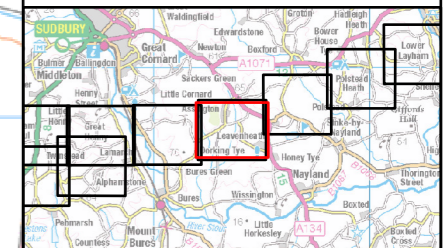




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**nationalgrid**

TITLE: Figure 1  
The Project

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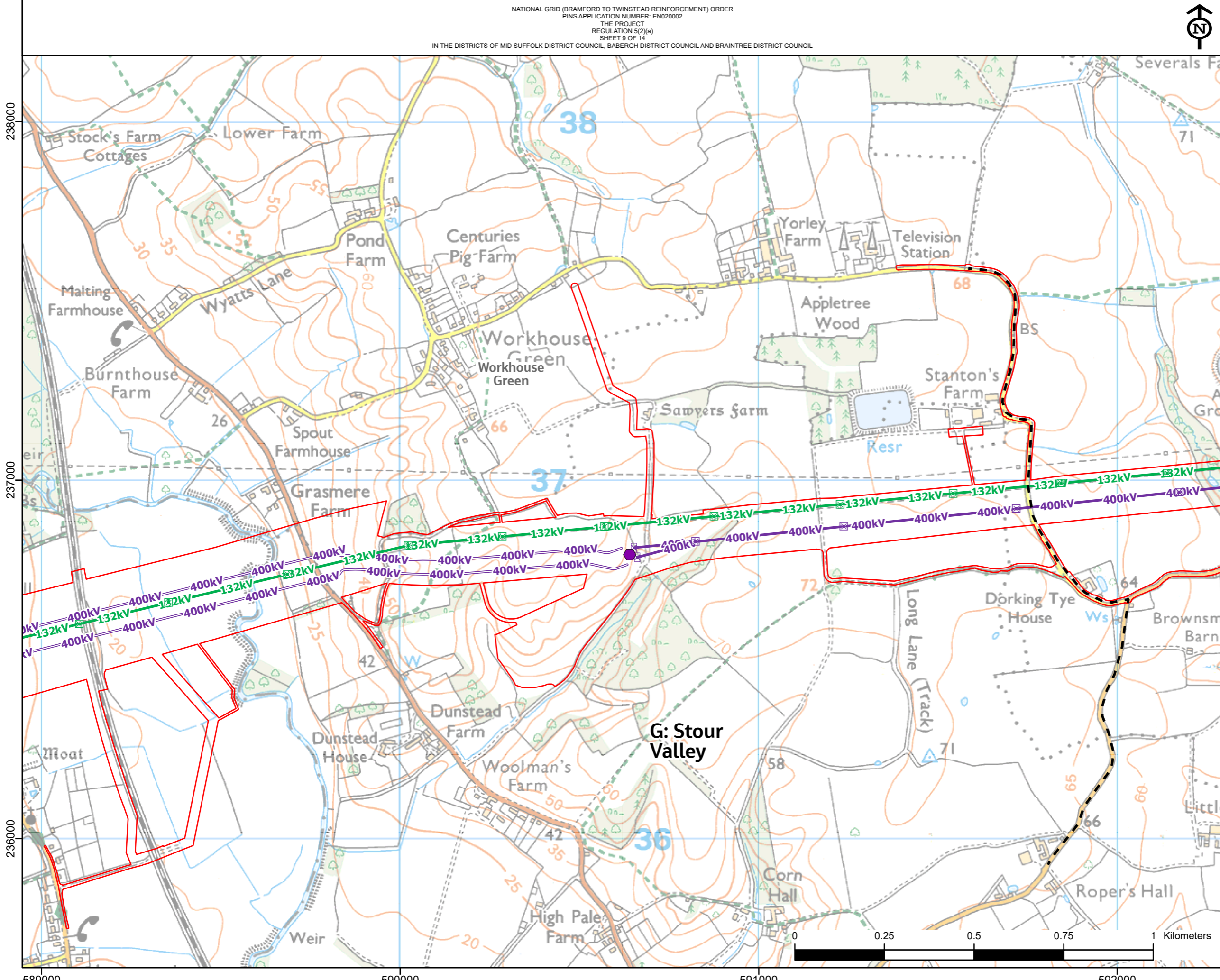
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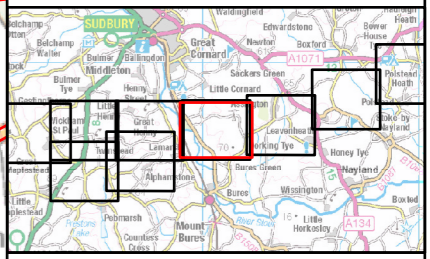




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**nationalgrid**

TITLE: Figure 1  
The Project

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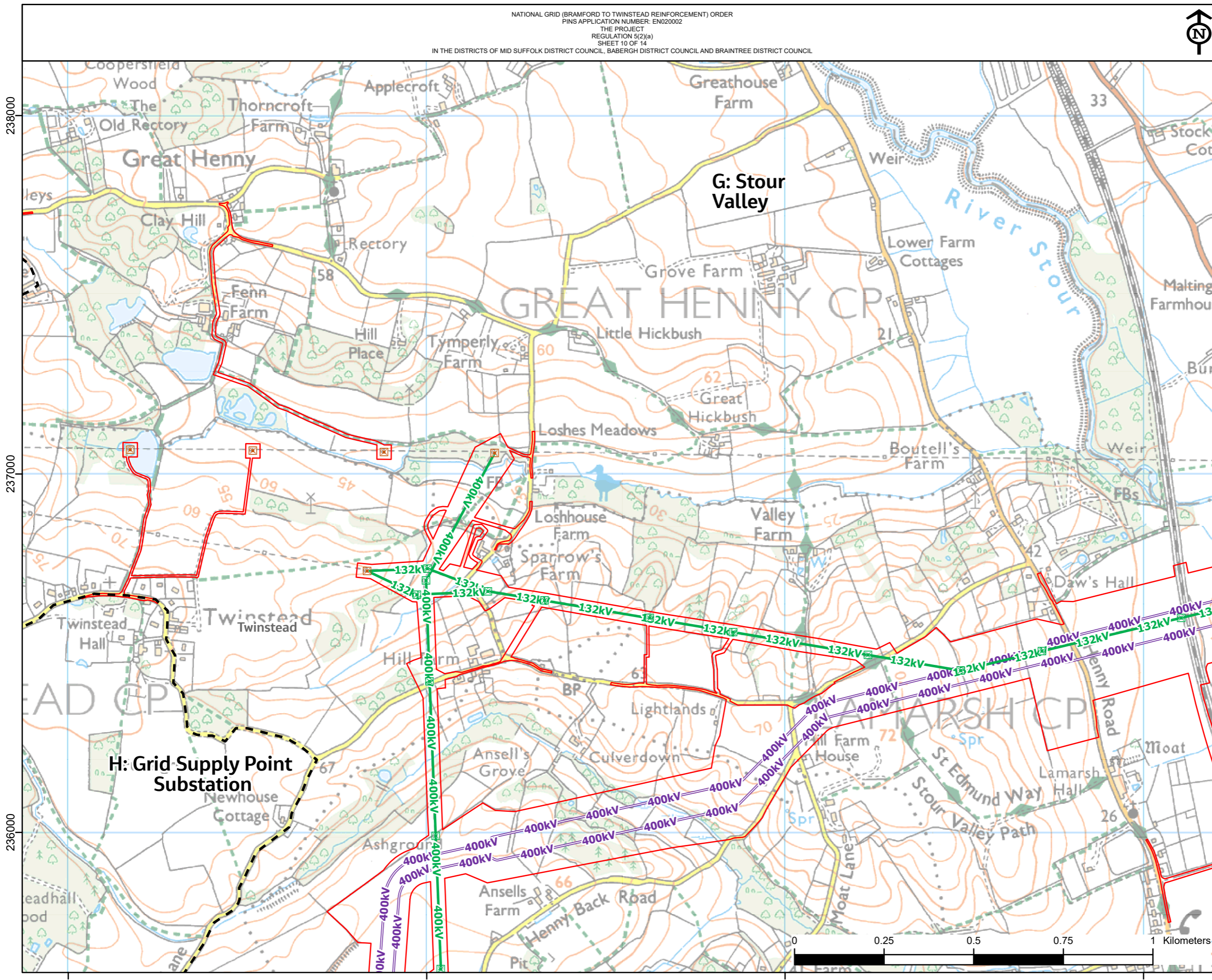
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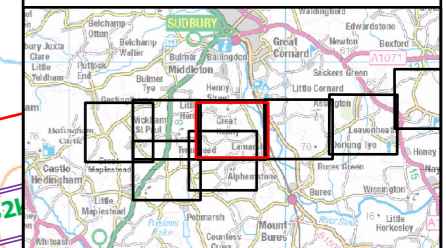
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TITLE: Figure 1  
The Project

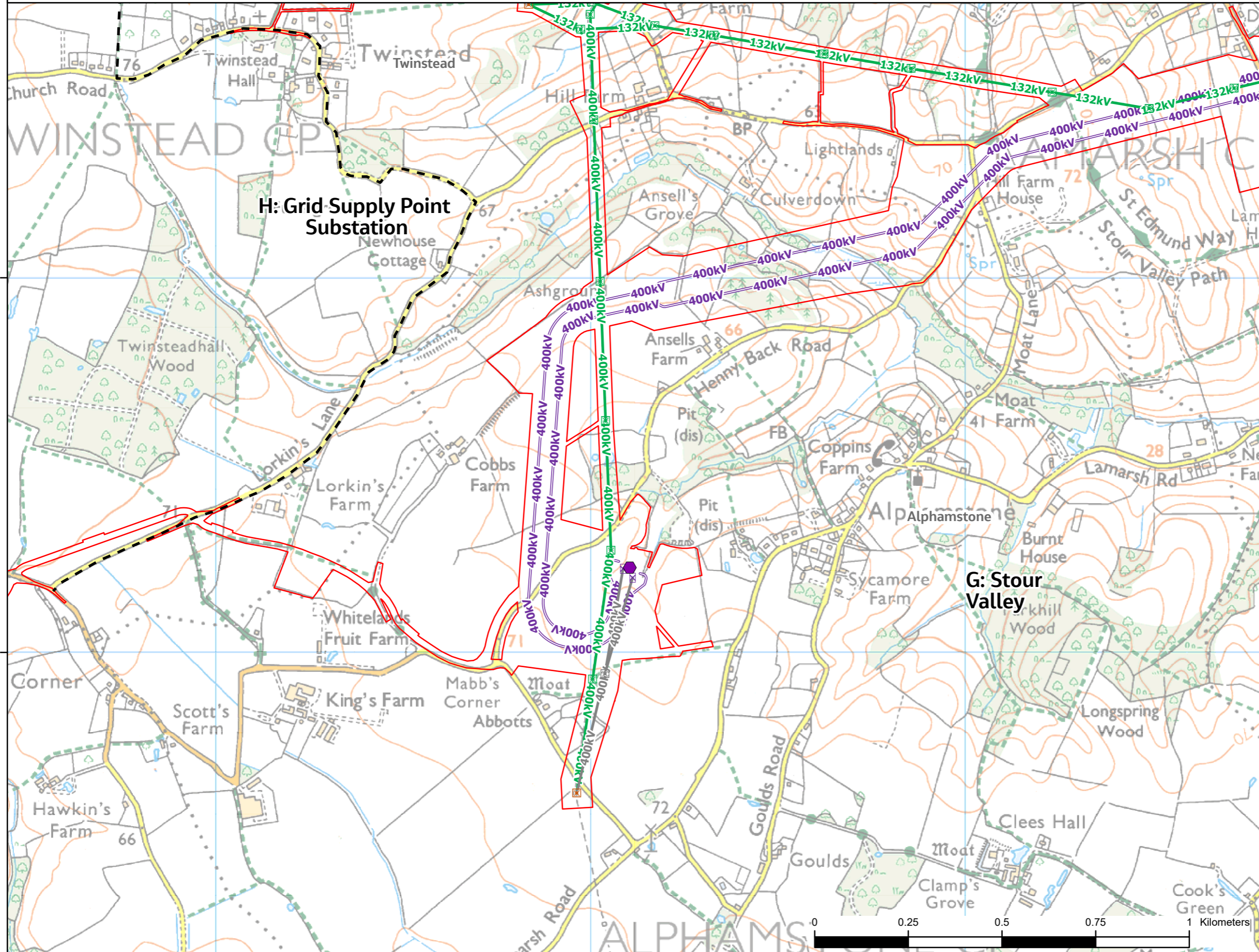
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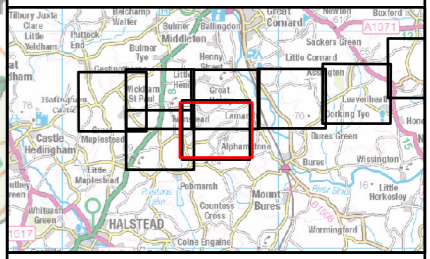
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TITLE: Figure 1  
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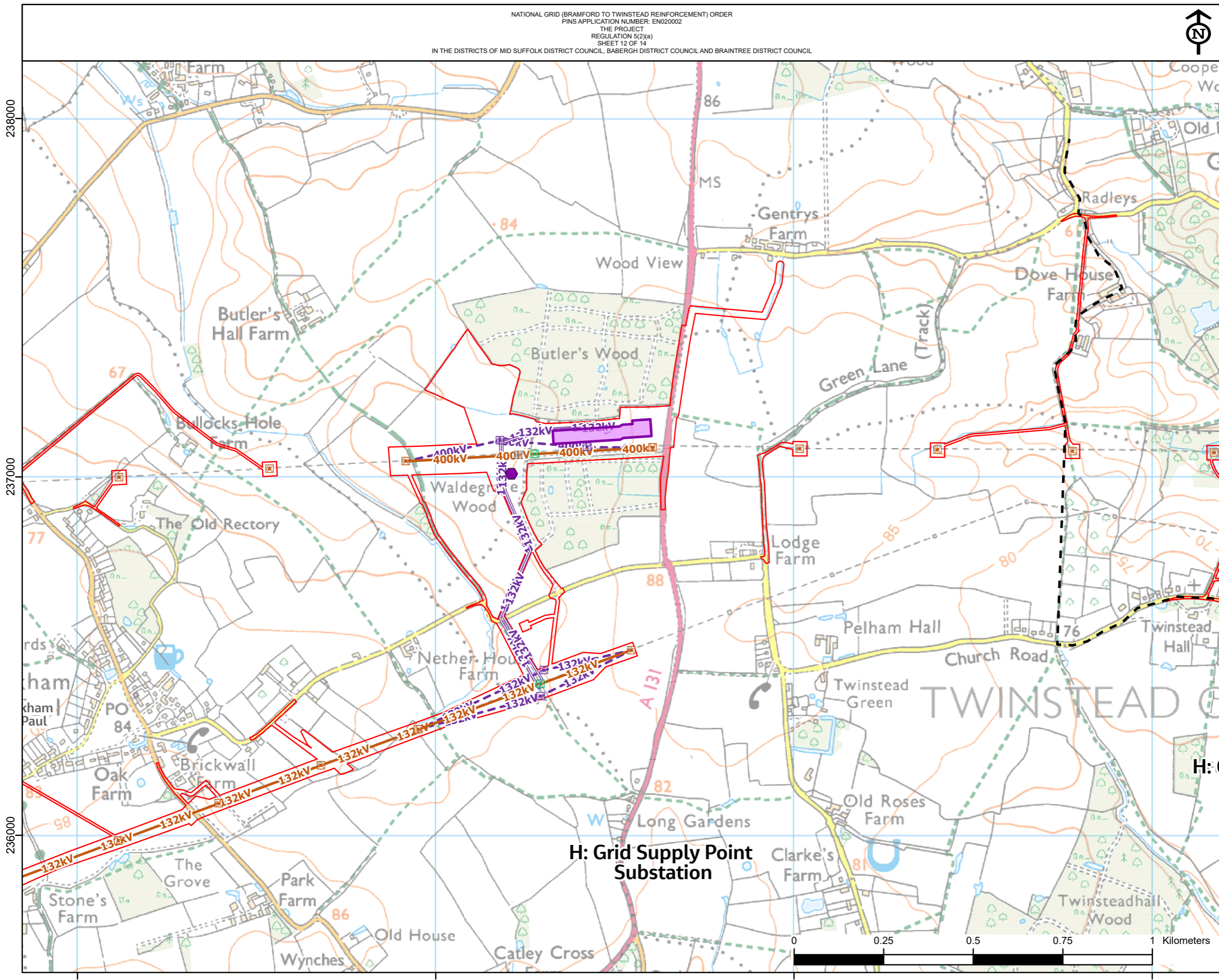
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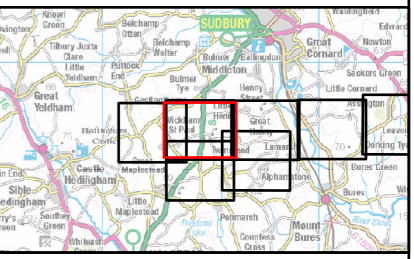


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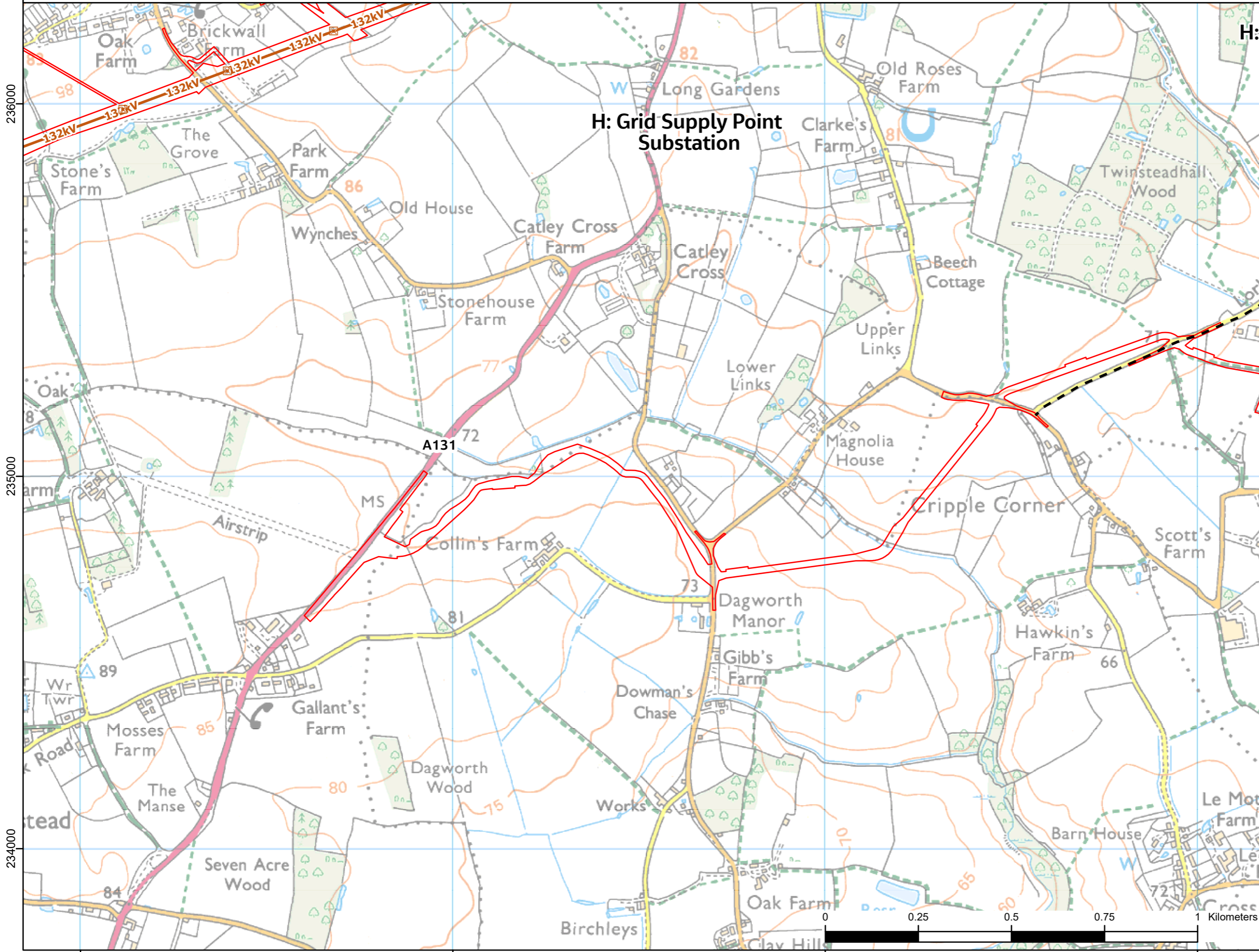
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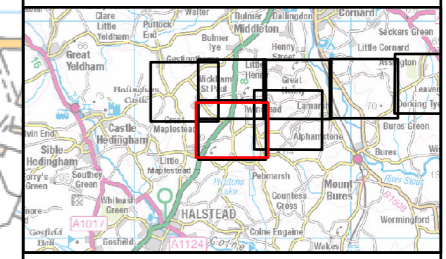
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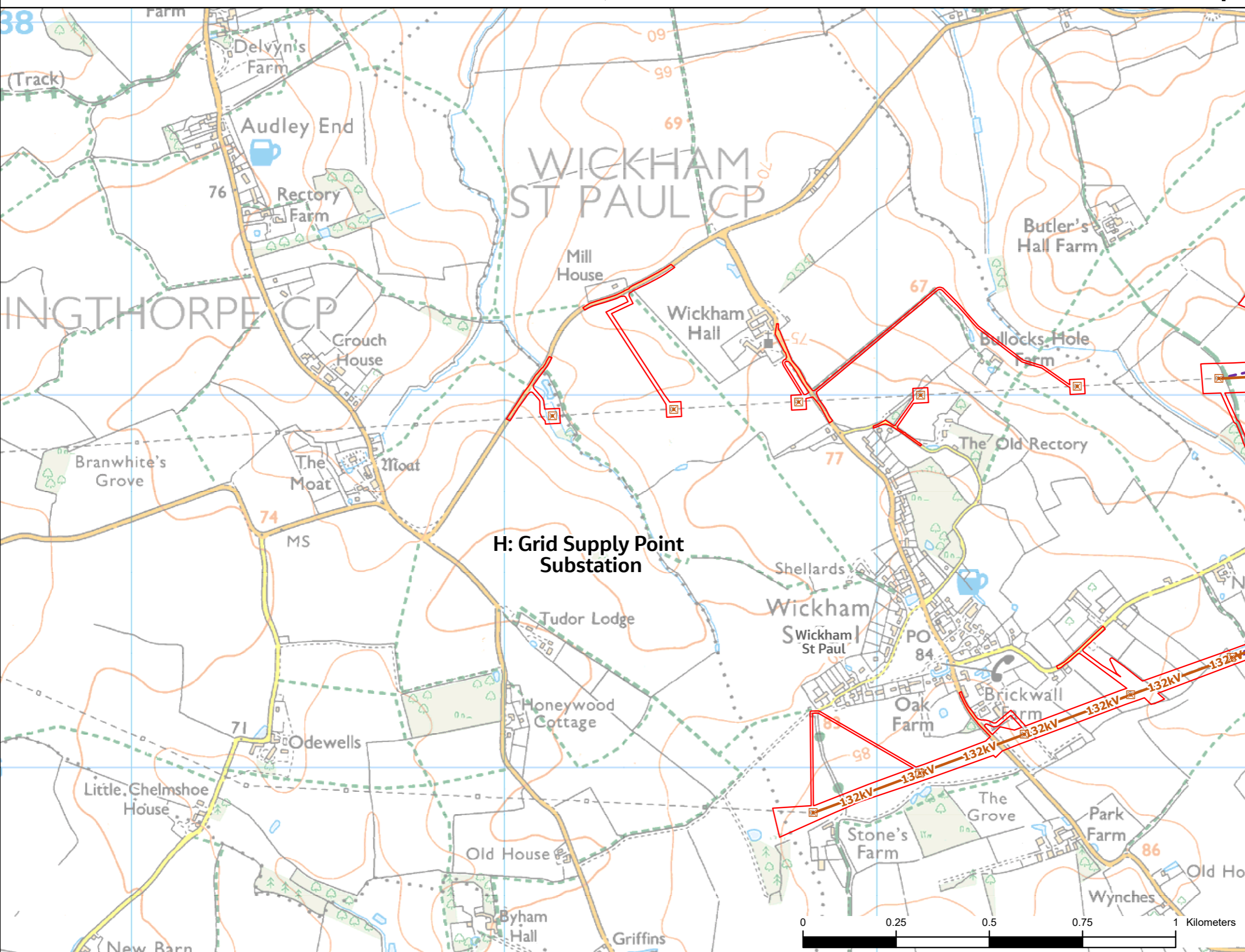
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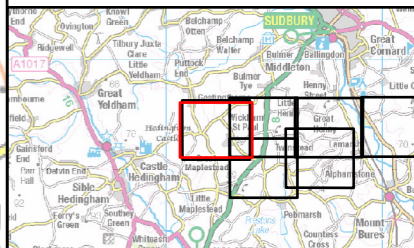


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- Section boundaries
- Order Limits
- ⊗ Proposed pylons
- ⊗ Proposed gantries
- ⊗ Modification to existing pylon
- ⊗ Realignment of existing pylon
- ⊗ Removal of existing pylon
- ⊗ Realignment of existing gantry
- ⬢ Proposed CSE compound
- Proposed GSP substation
- Proposed overhead line
- Modification works to existing overhead line
- Realignment of existing overhead line
- Removal of existing overhead line
- Proposed underground line
- - - Temporary overhead line during construction



**H: Grid Supply Point Substation**

NG Investment No. ETX/01142					
A	03/2023	Rev A for DCO Application	PM	DG	CW
ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement

**nationalgrid**

TITLE: Figure 1  
The Project

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

ORIGINATOR DRAWING NO. AAA\_BTT\_Badger\_License\_Fig01\_Rev01

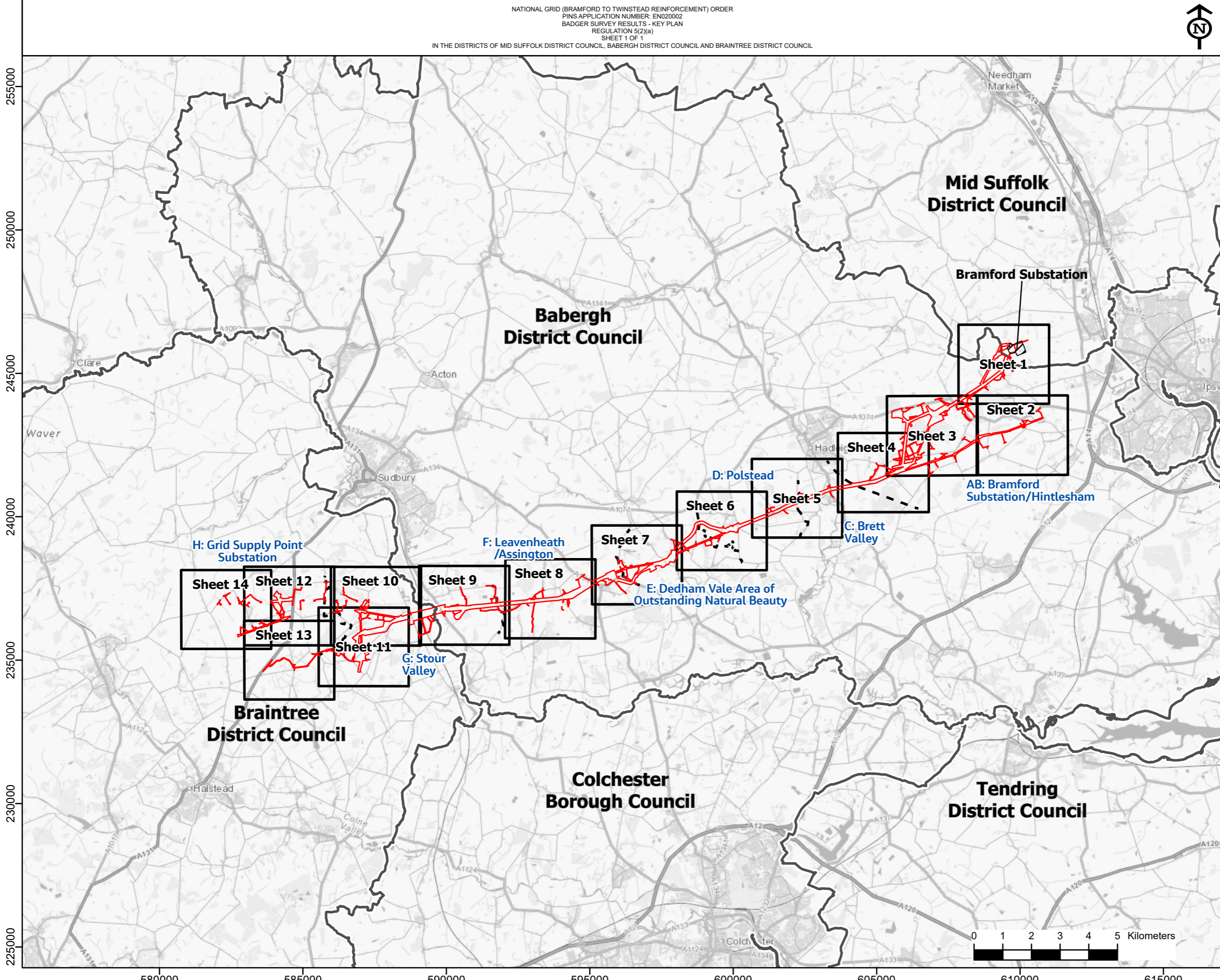
NG DRAWING No. BT-JAC-020631-500-0119	SHEET NO. 14	NO. OF SHEETS 14	ISSUE: A
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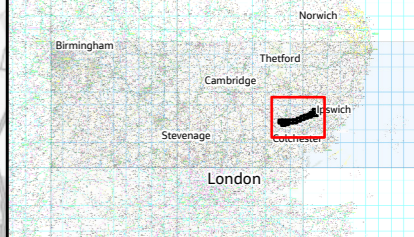


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- Legend**
- Section boundaries
  - Order Limits
  - Local authority districts
  - Existing Bramford Substation



NG Investment No. ETX/01142

A	03/2023	Rev A for DCO Application	PM	LG	CW
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PROJECT: Bramford to Twinstead Reinforcement



TITLE: Figure 2  
 Badger Survey Results - Key Plan

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

ORIGINATOR DRAWING NO. AAA\_BTT\_Badger\_License\_Fig02\_KeyPlan\_Rev02

NG DRAWING No. BT-JAC-020631-500-0039	SHEET NO. 1	NO. OF SHEETS 1	ISSUE: A
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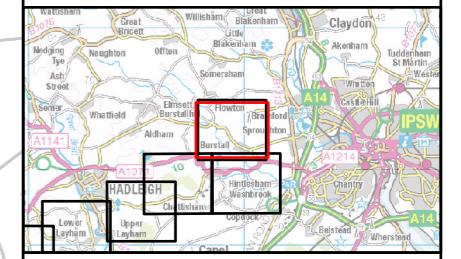
**AB: Bramford  
 Substation/Hintlesham**

Burstall Hill

Burstall

Bramford

- Section boundaries
- Order Limits
- Mitigation**
- ▲ Permanent sett closure
- ▲ Temporary sett closure
- ▲ Partial closure of main setts - retained holes
- ▲ Partial closure of other setts - retained holes
- ▲ Partial sett closure - temporarily closed holes



NG Investment No. ETX/01142

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TITLE: **Figure 2  
 Badger Licensable Activity**

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

ORIGINATOR DRAWING NO. **AAA\_BTT\_Badger\_License\_Fig02ae\_in\_Rev02** A3

NG DRAWING No. BT-JAC-020631-500-0120	SHEET NO. <b>1</b>	NO. OF SHEETS <b>14</b>	ISSUE: <b>A</b>
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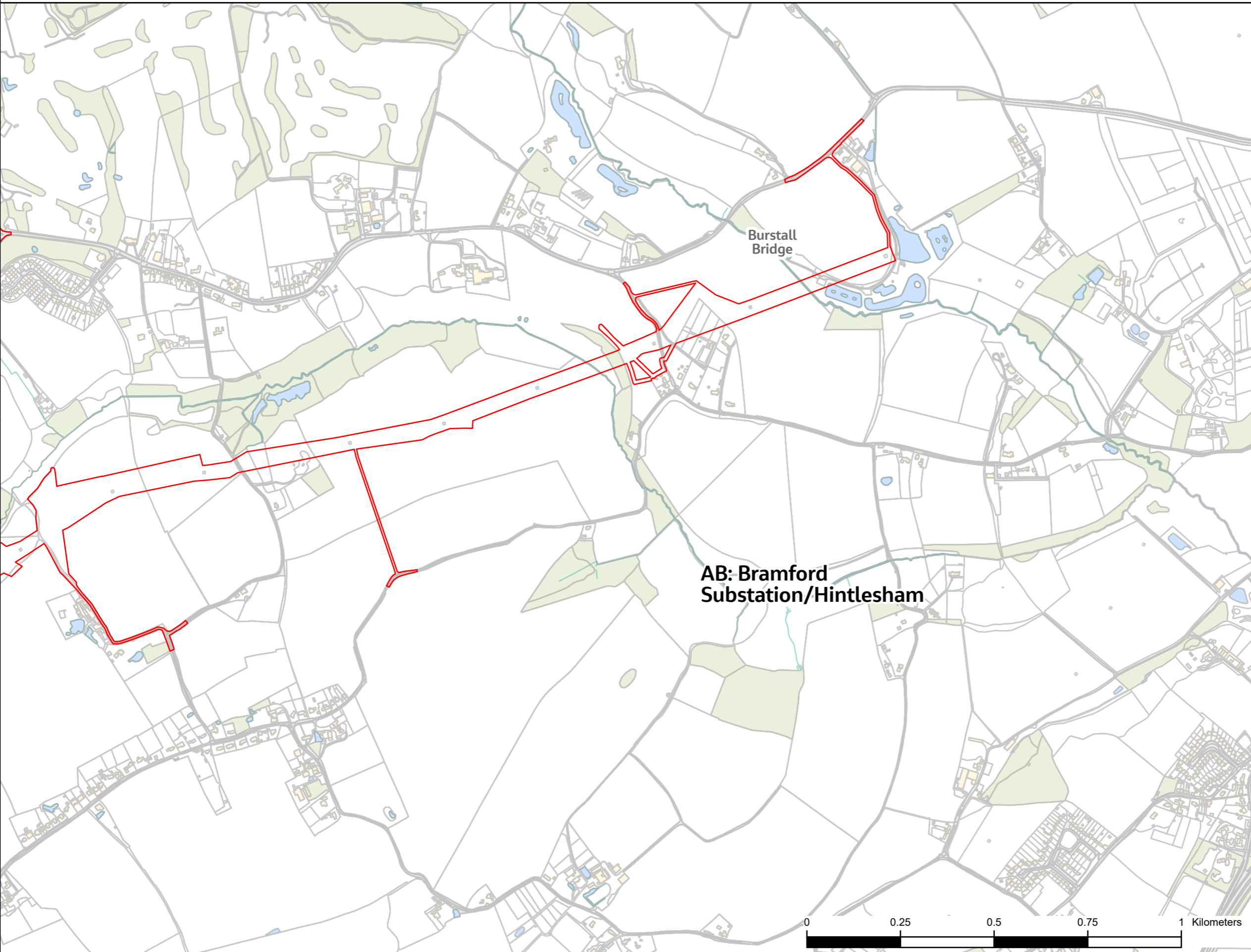


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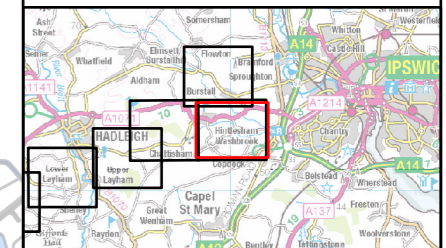
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Burstall Bridge

AB: Bramford Substation/Hintlesham

- Section boundaries
- Order Limits
- Mitigation**
- ▲ Permanent sett closure
- ▲ Temporary sett closure
- ▲ Partial closure of main setts - retained holes
- ▲ Partial closure of other setts - retained holes
- ▲ Partial sett closure - temporarily closed holes



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**

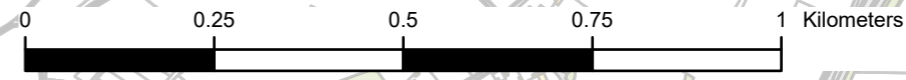


TITLE: **Figure 2 Badger Licensable Activity**

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

ORIGINATOR DRAWING NO. **AAA\_BTT\_Badger\_License\_Fig02ae\_in\_Rev02** A3

NG DRAWING No. BT-JAC-020631-500-0120	SHEET NO. <b>2</b>	NO. OF SHEETS <b>14</b>	ISSUE: <b>A</b>
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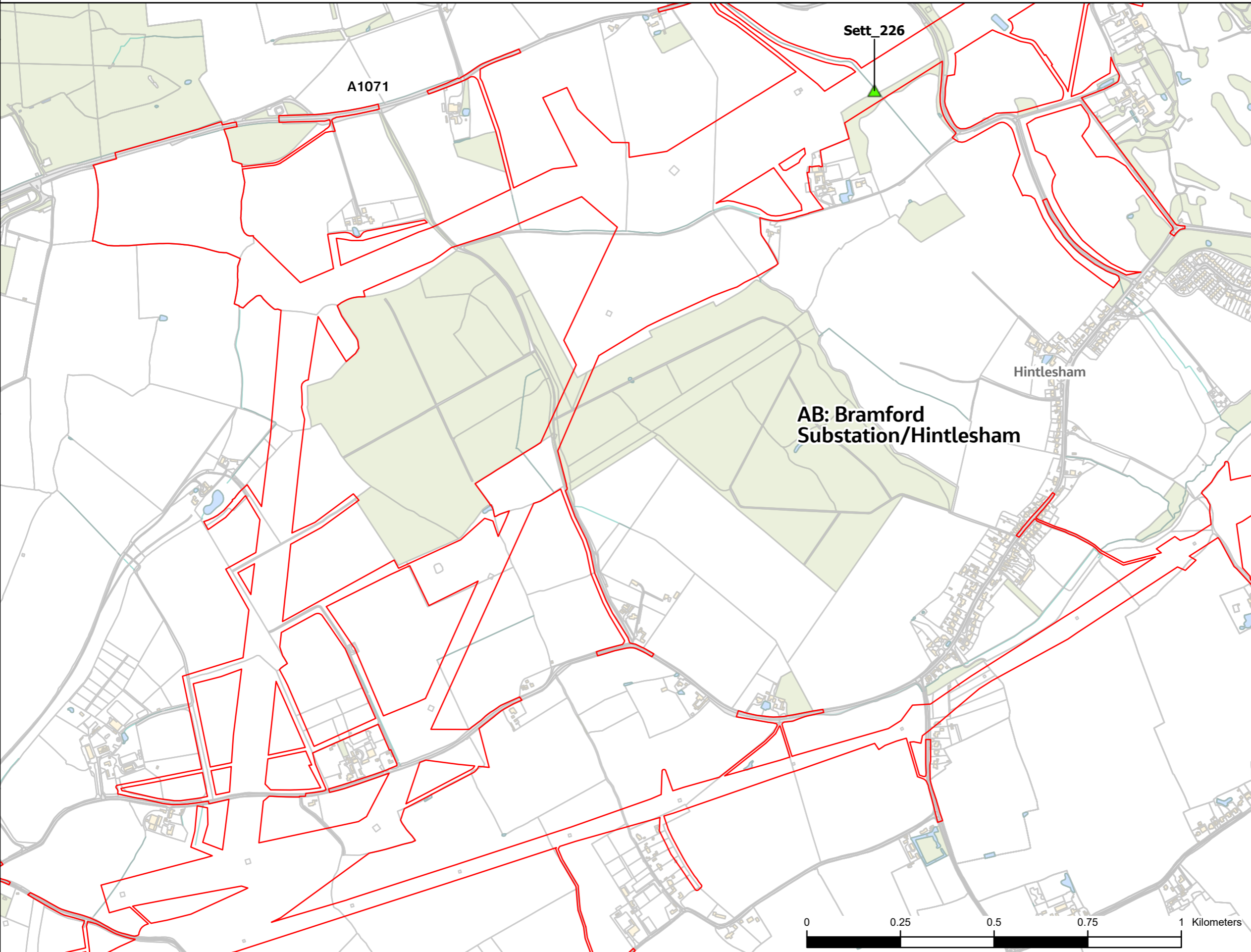
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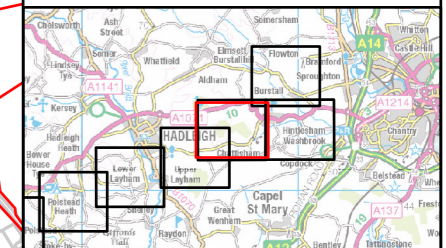


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- Section boundaries
- Order Limits
- Mitigation**
- ▲ Permanent sett closure
- ▲ Temporary sett closure
- ▲ Partial closure of main setts - retained holes
- ▲ Partial closure of other setts - retained holes
- ▲ Partial sett closure - temporarily closed holes



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 2  
Badger Licensable Activity**

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

ORIGINATOR DRAWING NO. **AAA\_BT\_Badger\_License\_Fig02ae\_in\_Rev02** A3

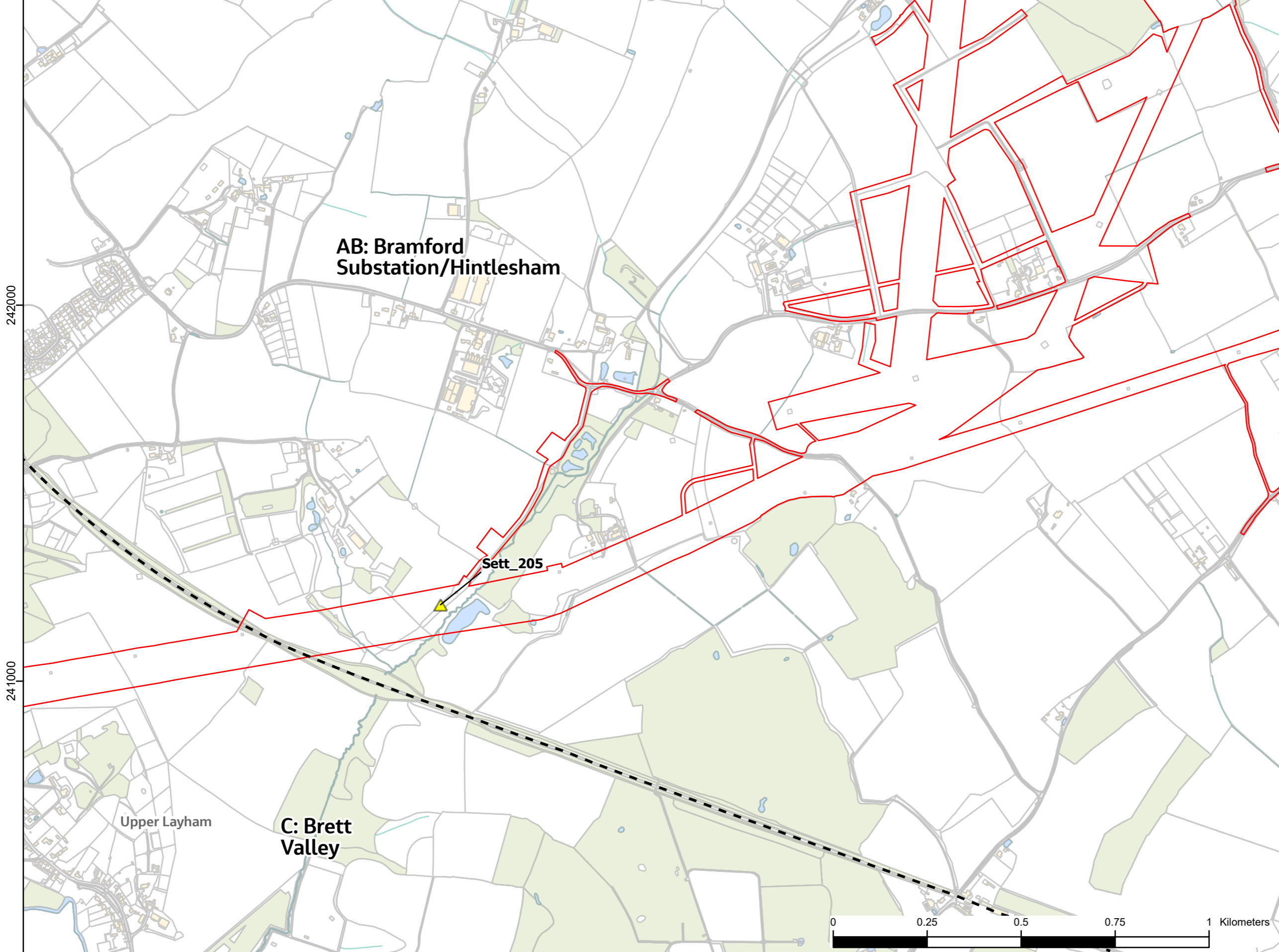
NG DRAWING No. BT-JAC-020631-500-0120	SHEET NO. <b>3</b>	NO. OF SHEETS <b>14</b>	ISSUE: <b>A</b>
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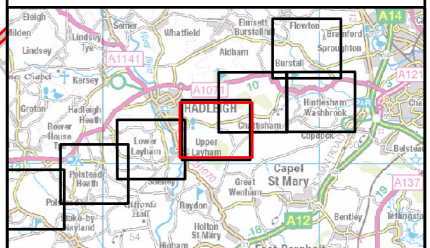
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- Section boundaries
- Order Limits
- Mitigation**
- ▲ Permanent sett closure
- ▲ Temporary sett closure
- ▲ Partial closure of main setts - retained holes
- ▲ Partial closure of other setts - retained holes
- ▲ Partial sett closure - temporarily closed holes



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**

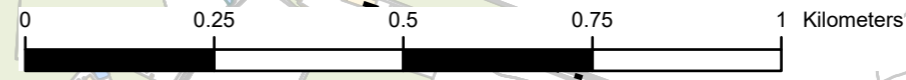


TITLE: **Figure 2 Badger Licensable Activity**

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

ORIGINATOR DRAWING NO. **AAA\_BTT\_Badger\_License\_Fig02ae\_in\_Rev02** A3

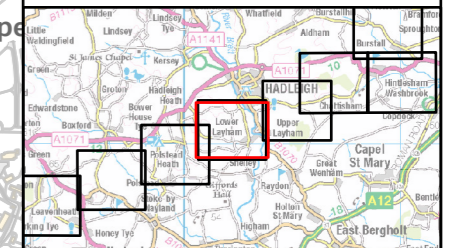
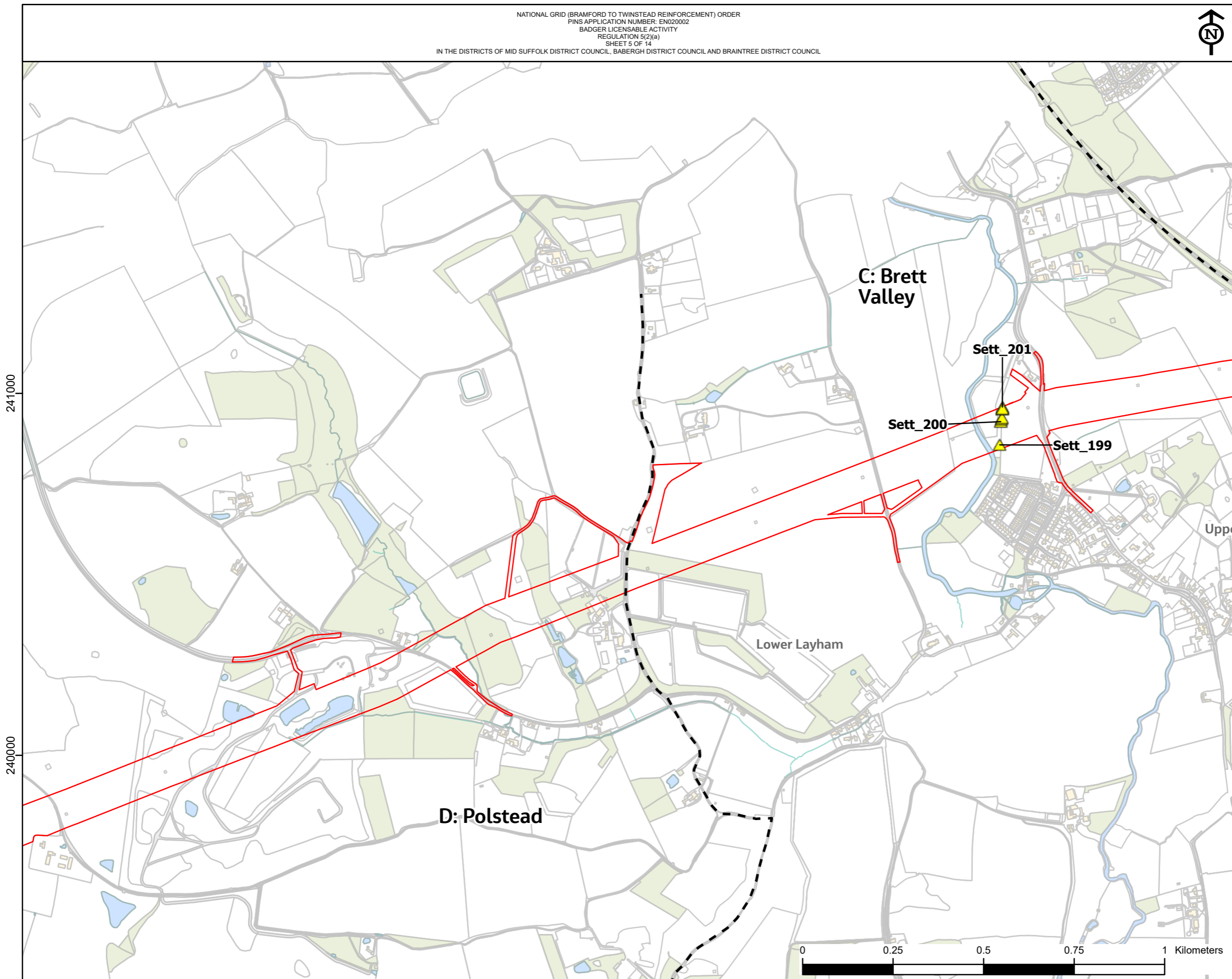
NG DRAWING No. BT-JAC-020631-500-0120	SHEET NO. <b>4</b>	NO. OF SHEETS <b>14</b>	ISSUE: <b>A</b>
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- Section boundaries
- Order Limits
- Mitigation**
- ▲ Permanent sett closure
- ▲ Temporary sett closure
- ▲ Partial closure of main setts - retained holes
- ▲ Partial closure of other setts - retained holes
- ▲ Partial sett closure - temporarily closed holes



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PROJECT: **Bramford to Twinstead Reinforcement**



TITLE: **Figure 2  
Badger Licensable Activity**

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

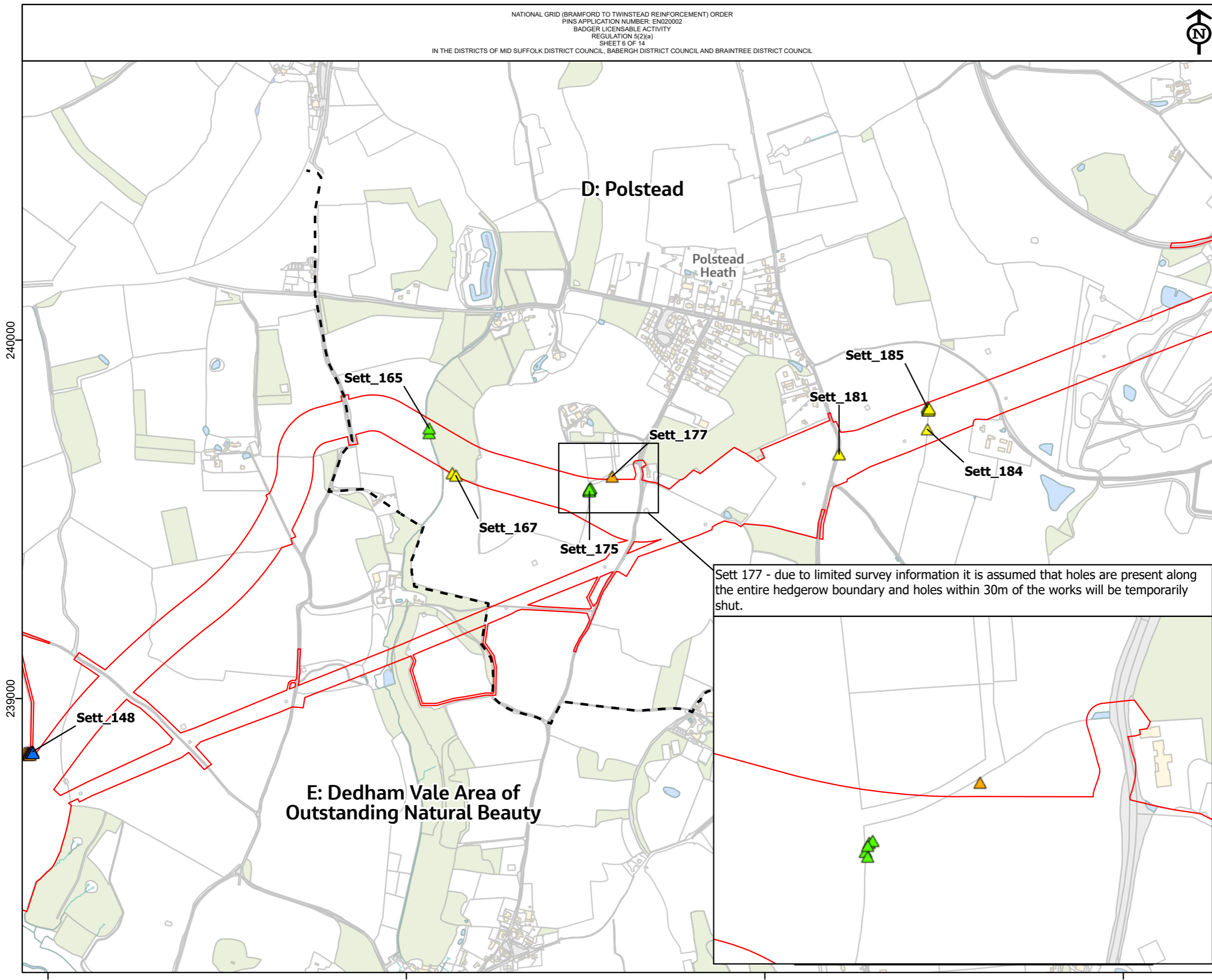
ORIGINATOR DRAWING NO. **AAA\_BTT\_Badger\_License\_Fig02ae\_in\_Rev02** A3

NG DRAWING No. BT-JAC-020631-500-0120	SHEET NO. <b>5</b>	NO. OF SHEETS <b>14</b>	ISSUE: <b>A</b>
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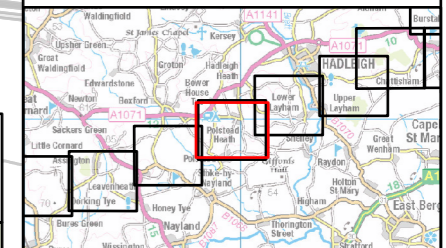


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- Section boundaries
- Order Limits
- Mitigation**
- ▲ Permanent sett closure
- ▲ Temporary sett closure
- ▲ Partial closure of main setts - retained holes
- ▲ Partial closure of other setts - retained holes
- ▲ Partial sett closure - temporarily closed holes

Sett 177 - due to limited survey information it is assumed that holes are present along the entire hedgerow boundary and holes within 30m of the works will be temporarily shut.



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TITLE: Figure 2  
 Badger Licensable Activity

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

ORIGINATOR DRAWING NO. AAA\_BTT\_Badger\_License\_Fig02f\_Rev02 A3

NG DRAWING No. BT-JAC-020631-500-0120	SHEET NO. 6	NO. OF SHEETS 14	ISSUE: A
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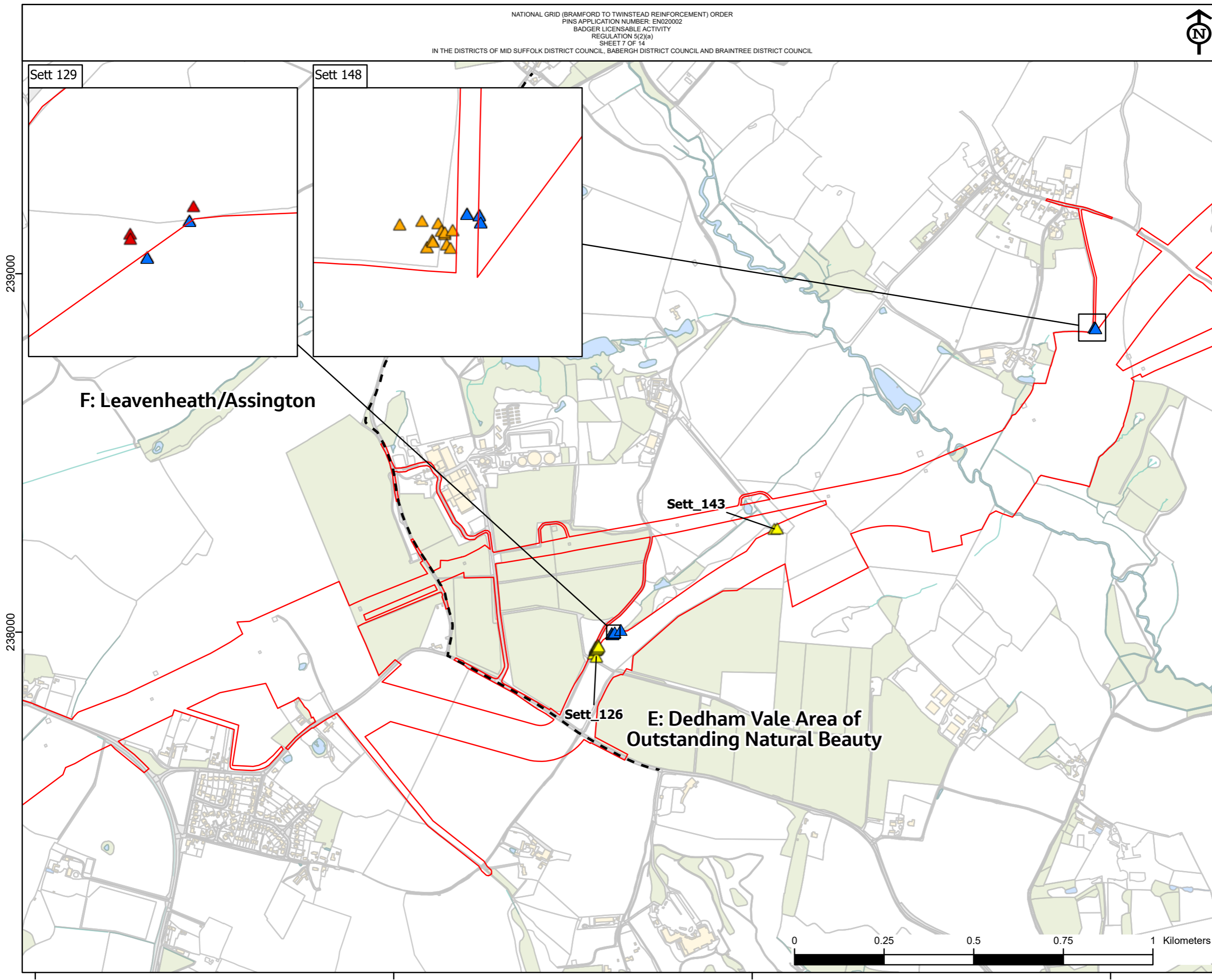
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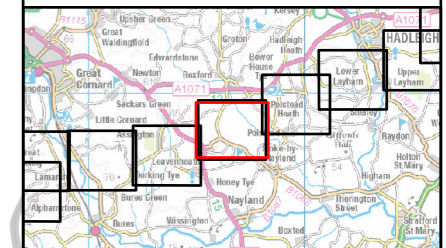
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F: Leavenheath/Assington

E: Dedham Vale Area of Outstanding Natural Beauty

- Section boundaries
- Order Limits
- Mitigation**
- ▲ Permanent sett closure
- ▲ Temporary sett closure
- ▲ Partial closure of main setts - retained holes
- ▲ Partial closure of other setts - retained holes
- ▲ Partial sett closure - temporarily closed holes



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ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: Bramford to Twinstead Reinforcement

**nationalgrid**

TITLE: Figure 2  
Badger Licensable Activity

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

ORIGINATOR DRAWING NO. AAA\_BTT\_Badger\_License\_Fig02g\_Rev02 A3

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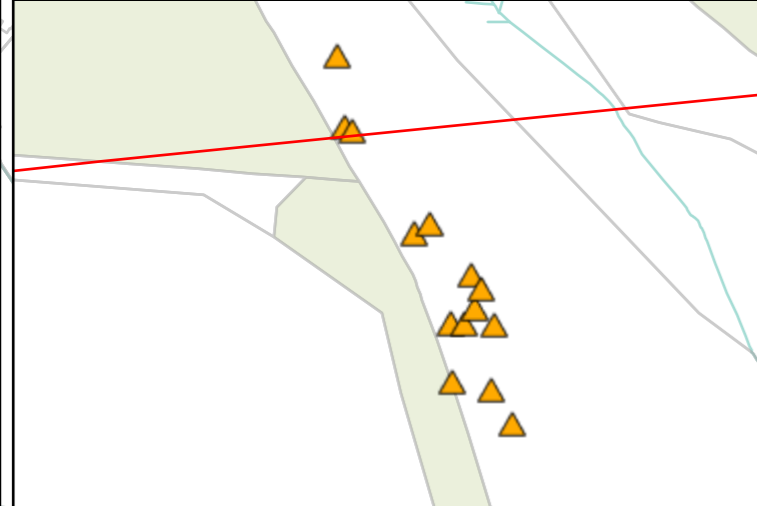
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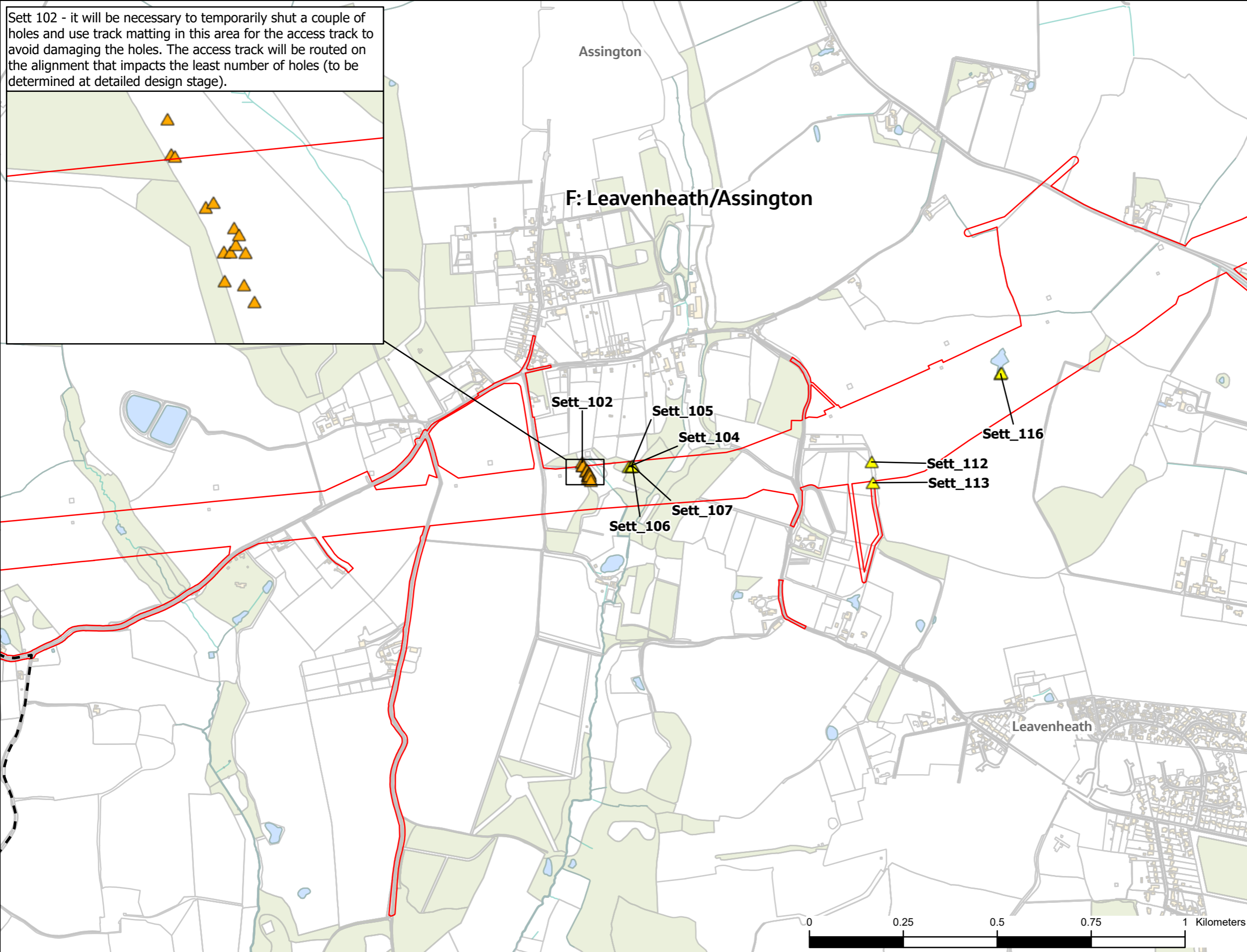


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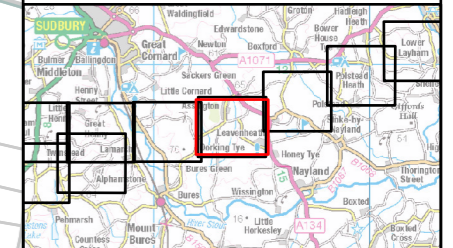
Sett 102 - it will be necessary to temporarily shut a couple of  
 holes and use track matting in this area for the access track to  
 avoid damaging the holes. The access track will be routed on  
 the alignment that impacts the least number of holes (to be  
 determined at detailed design stage).



**F: Leavenheath/Assington**



- Section boundaries
- Order Limits
- Mitigation**
- ▲ Permanent sett closure
- ▲ Temporary sett closure
- ▲ Partial closure of main setts - retained holes
- ▲ Partial closure of other setts - retained holes
- ▲ Partial sett closure - temporarily closed holes



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ISSUE	DATE	REMARKS	DRWN	CHKD	APPD

PROJECT: **Bramford to Twinstead Reinforcement**

**nationalgrid**

TITLE: **Figure 2  
Badger Licensable Activity**

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

ORIGINATOR DRAWING NO. **AAA\_BTT\_Badger\_License\_Fig02h\_Rev02** A3

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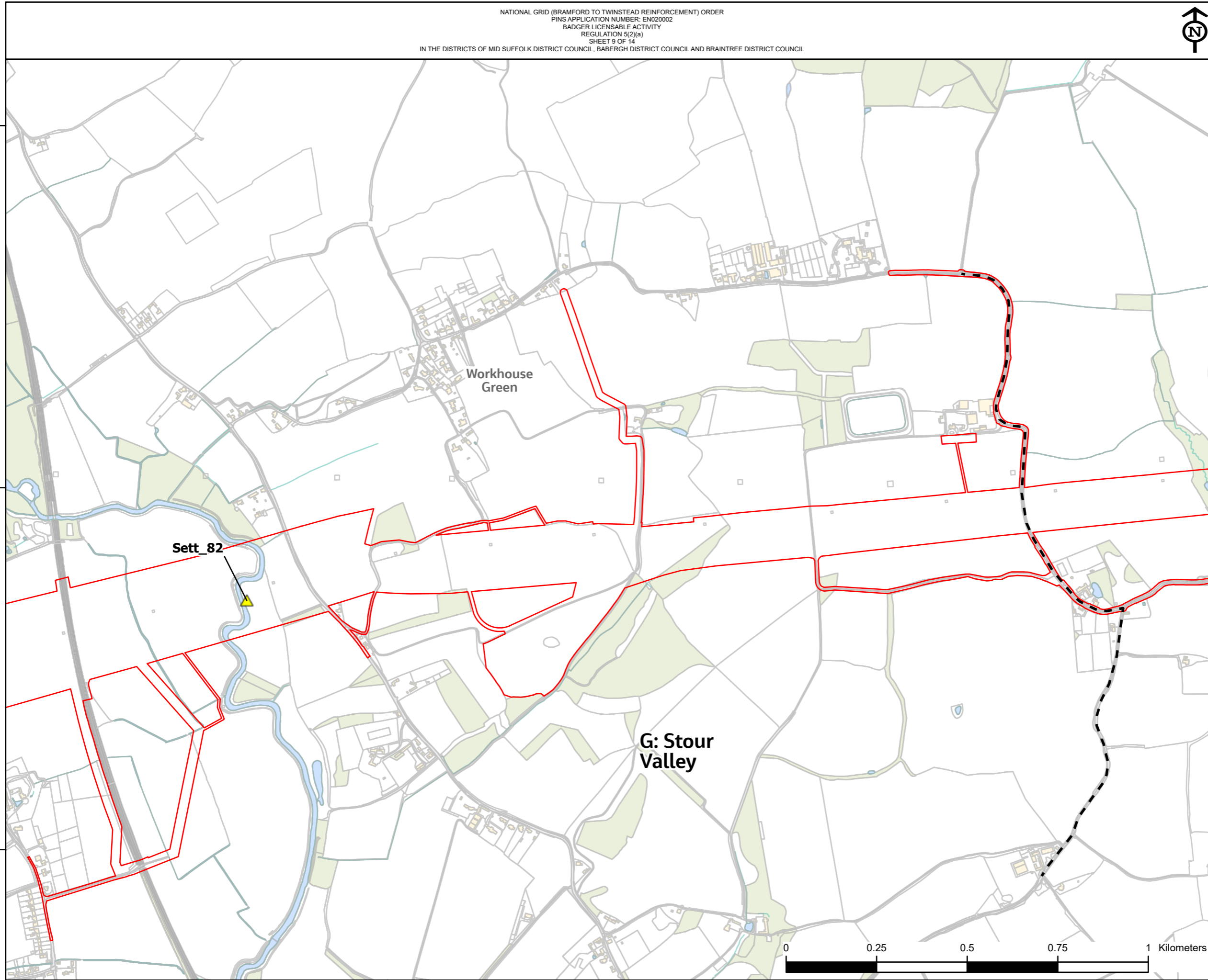


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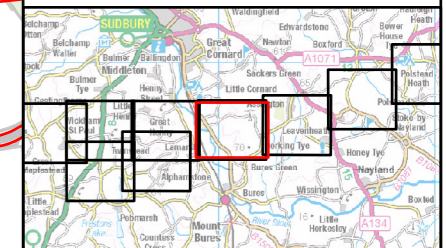
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- Section boundaries
- Order Limits
- Mitigation**
- ▲ Permanent sett closure
- ▲ Temporary sett closure
- ▲ Partial closure of main setts - retained holes
- ▲ Partial closure of other setts - retained holes
- ▲ Partial sett closure - temporarily closed holes



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

PROJECT: **Bramford to Twinstead Reinforcement**

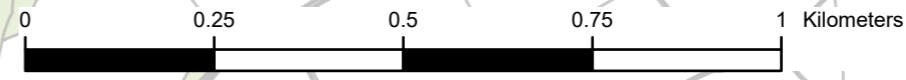


TITLE: **Figure 2  
Badger Licensable Activity**

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

ORIGINATOR DRAWING NO. **AAA\_BTT\_Badger\_License\_Fig02ae\_in\_Rev02** **A3**

NG DRAWING No. BT-JAC-020631-500-0120	SHEET NO. <b>9</b>	NO. OF SHEETS <b>14</b>	ISSUE: <b>A</b>
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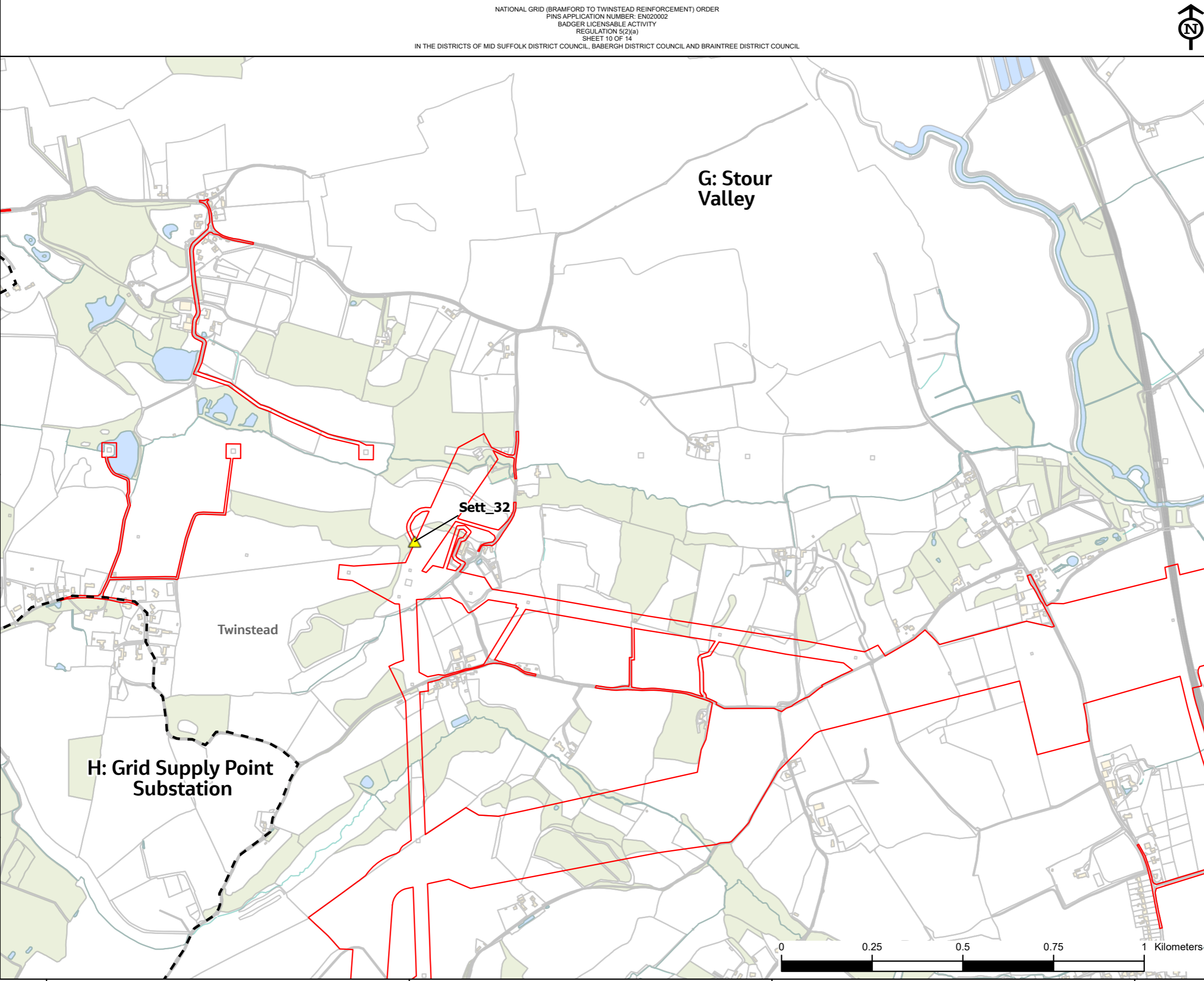


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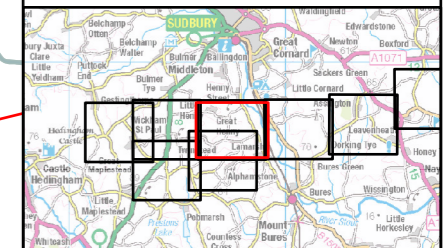
G: Stour Valley

Sett\_32

Twinstead

H: Grid Supply Point Substation

- Section boundaries
- Order Limits
- Mitigation**
- ▲ Permanent sett closure
- ▲ Temporary sett closure
- ▲ Partial closure of main setts - retained holes
- ▲ Partial closure of other setts - retained holes
- ▲ Partial sett closure - temporarily closed holes



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PROJECT: Bramford to Twinstead Reinforcement



TITLE: Figure 2  
Badger Licensable Activity

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

ORIGINATOR DRAWING NO. AAA\_BTT\_Badger\_License\_Fig02ae\_in\_Rev02 A3

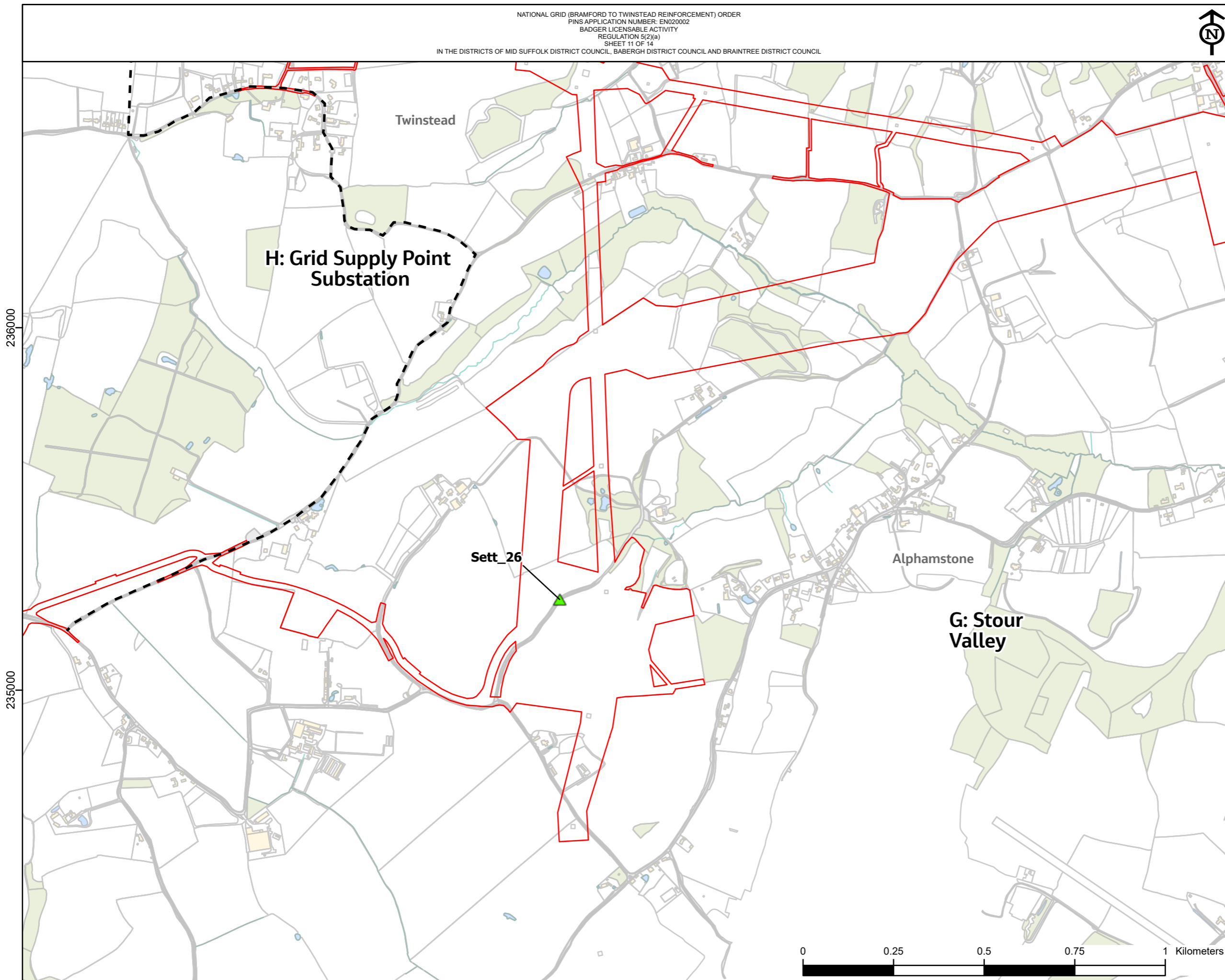
NG DRAWING No. BT-JAC-020631-500-0120	SHEET NO. 10	NO. OF SHEETS 14	ISSUE: A
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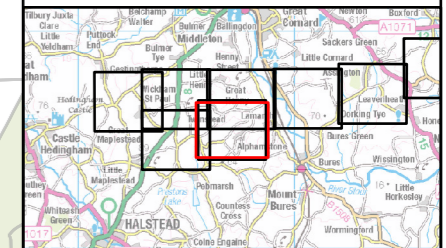
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- Section boundaries
- Order Limits
- Mitigation**
- ▲ Permanent sett closure
- ▲ Temporary sett closure
- ▲ Partial closure of main setts - retained holes
- ▲ Partial closure of other setts - retained holes
- ▲ Partial sett closure - temporarily closed holes



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PROJECT: **Bramford to Twinstead Reinforcement**



TITLE: **Figure 2 Badger Licensable Activity**

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

ORIGINATOR DRAWING NO. **AAA\_BT\_Badger\_License\_Fig02ae\_in\_Rev02** **A3**

NG DRAWING No. BT-JAC-020631-500-0120	SHEET NO. <b>11</b>	NO. OF SHEETS <b>14</b>	ISSUE: <b>A</b>
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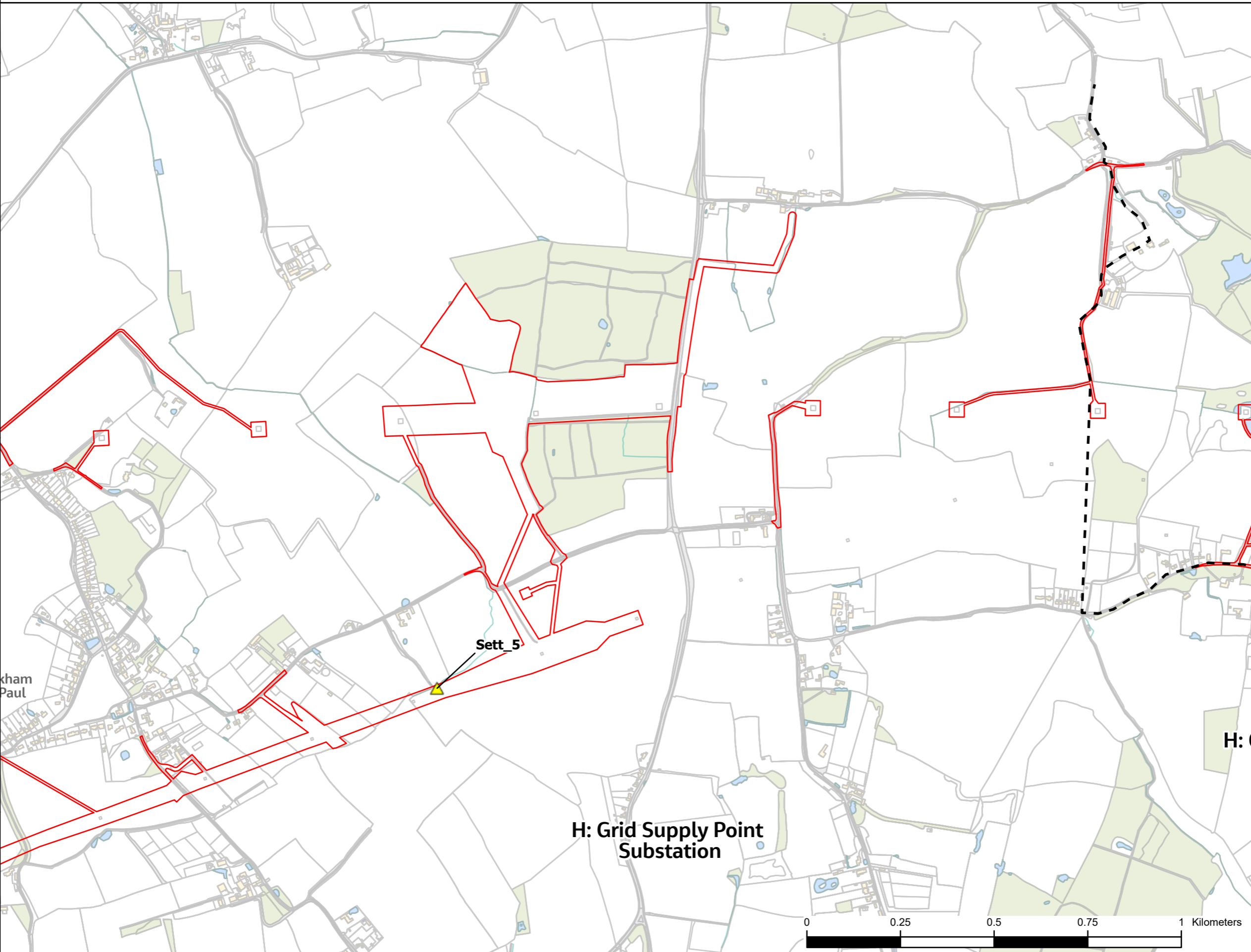
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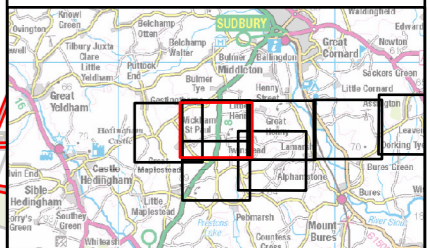
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- Section boundaries
- Order Limits
- Mitigation**
- ▲ Permanent sett closure
- ▲ Temporary sett closure
- ▲ Partial closure of main setts - retained holes
- ▲ Partial closure of other setts - retained holes
- ▲ Partial sett closure - temporarily closed holes



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



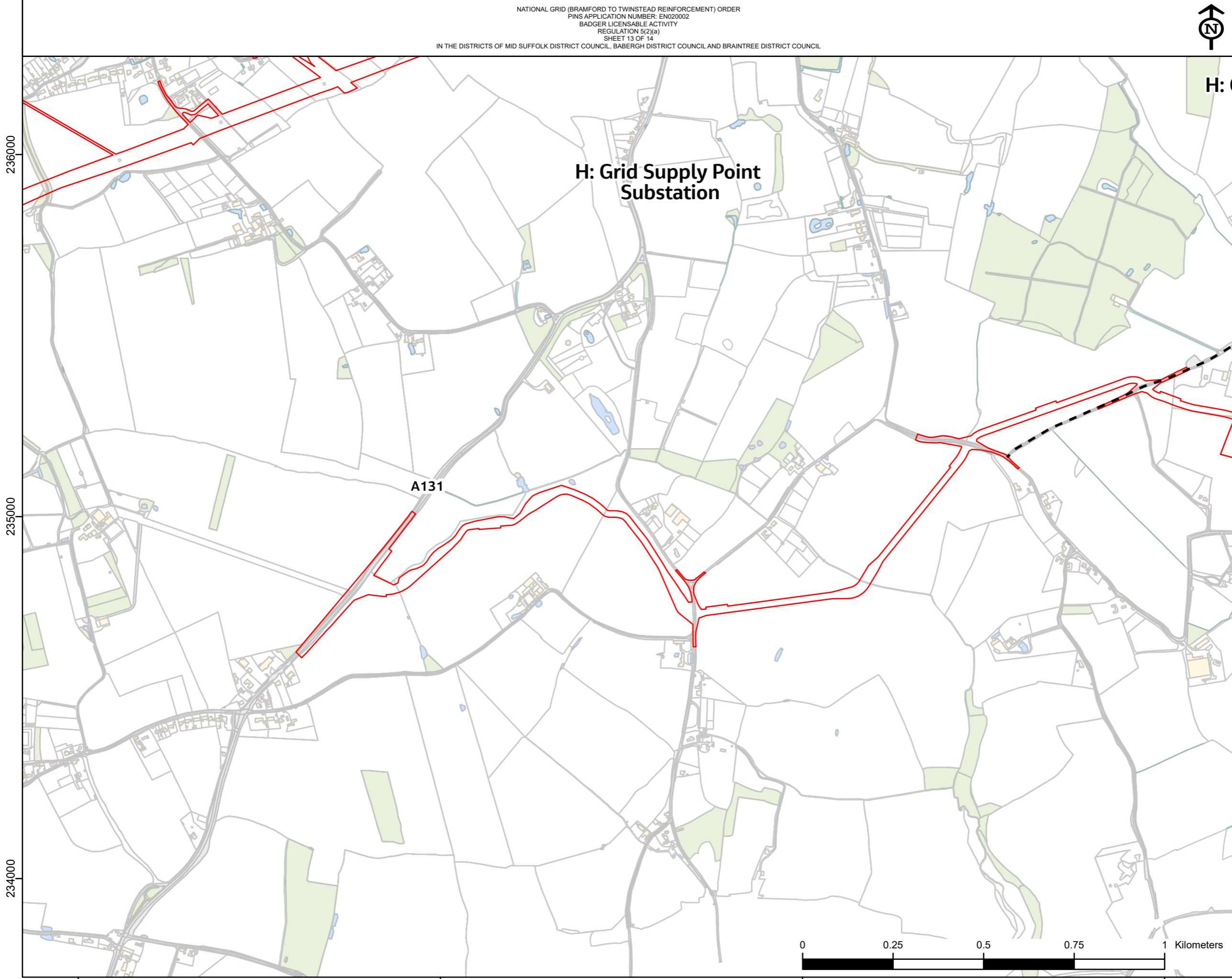
TITLE: Figure 2  
 Badger Licensable Activity

CIRCUIT / SITE : Bramford – Pelham & Bramford – Braintree – Bulls Lodge		GIS
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NG DRAWING No. BT-JAC-020631-500-0120	SHEET NO. 12	NO. OF SHEETS 14
SCALE: 1:10000	ISSUE: A	





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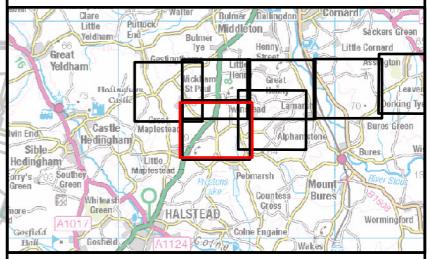
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- Section boundaries
- Order Limits
- Mitigation**
- ▲ Permanent sett closure
- ▲ Temporary sett closure
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A	03/2023	Rev A for DCO Application	PM	LG	CW
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PROJECT: **Bramford to Twinstead Reinforcement**



TITLE: **Figure 2  
Badger Licensable Activity**

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

ORIGINATOR DRAWING NO. **AAA\_BTT\_Badger\_License\_Fig02ae\_in\_Rev02** **A3**

NG DRAWING No. BT-JAC-020631-500-0120	SHEET NO. <b>13</b>	NO. OF SHEETS <b>14</b>	ISSUE: <b>A</b>
SCALE: 1:10000			



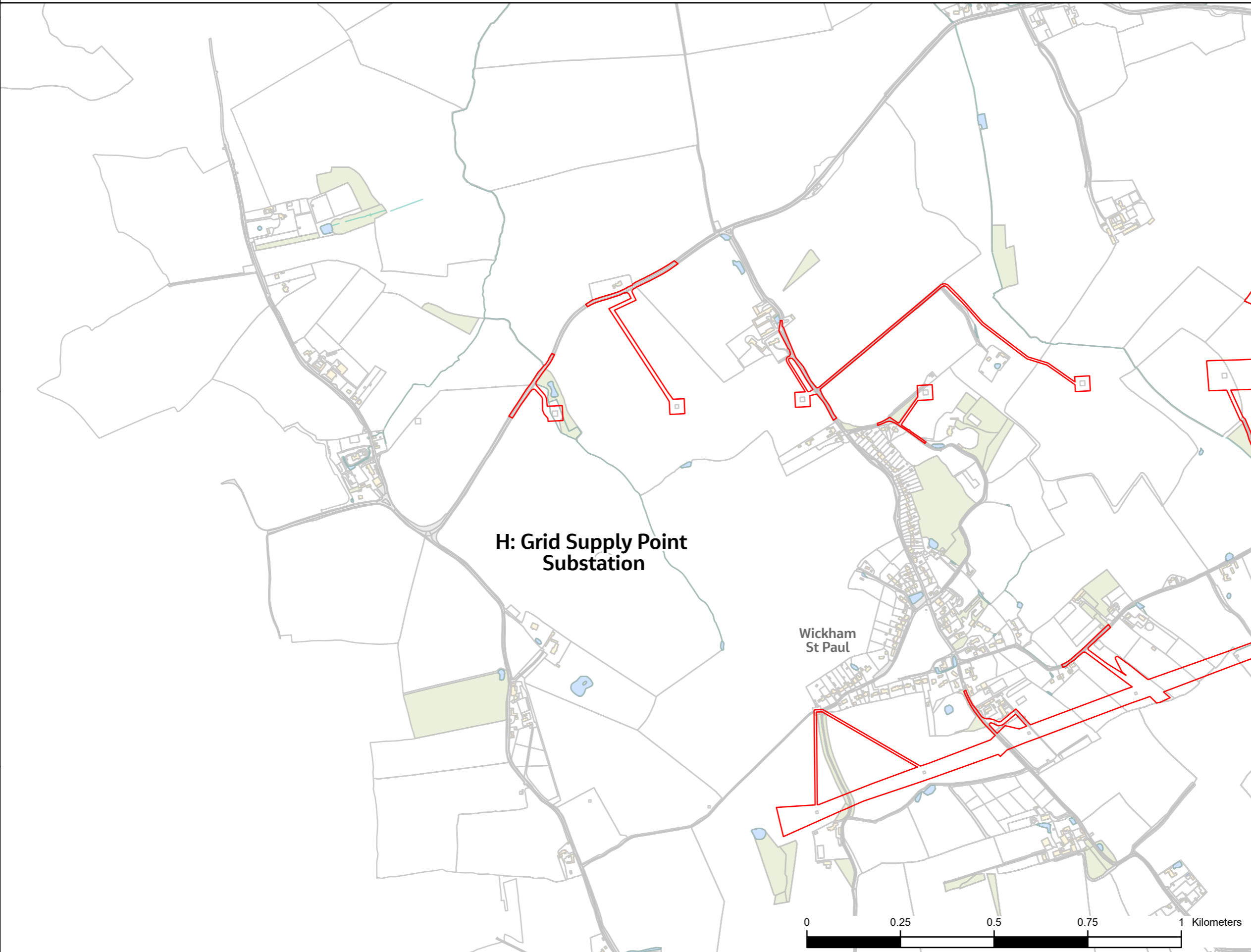


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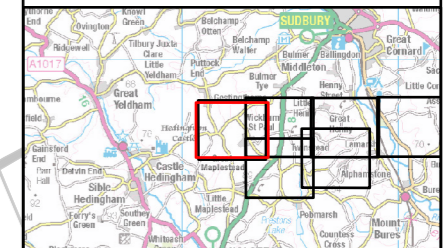
238000

237000

236000



- Section boundaries
- Order Limits
- Mitigation**
- ▲ Permanent sett closure
- ▲ Temporary sett closure
- ▲ Partial closure of main setts - retained holes
- ▲ Partial closure of other setts - retained holes
- ▲ Partial sett closure - temporarily closed holes



**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**

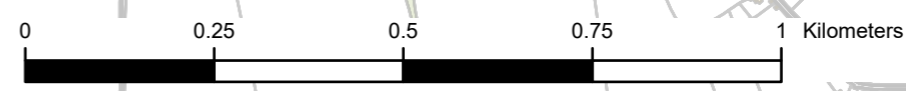


TITLE: **Figure 2 Badger Licensable Activity**

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

ORIGINATOR DRAWING NO. **AAA\_BT\_Badger\_License\_Fig02ae\_in\_Rev02** A3

NG DRAWING No. BT-JAC-020631-500-0120	SHEET NO. <b>14</b>	NO. OF SHEETS <b>14</b>	ISSUE: <b>A</b>
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581000

582000

583000



# Licence Application Form

Application for a licence to interfere with a badger sett for the purpose of development

- Please complete this application form using **dark ink** and BLOCK CAPITALS.
- Return the completed form to the address shown.
- All questions should be answered as appropriate. Questions marked with ‘\*’ are mandatory and failing to complete these may result in delays to your application.
- If there is insufficient space for completing answers on this form, please attach a separate sheet.
- Natural England will aim to determine the outcome of a completed license application within its published service standards.
- If you experience any problems completing this application – please contact Wildlife Licensing.

Wildlife Licensing  
 Natural England  
 Horizon House  
 Deanery Road  
 Bristol, BS1 5AH.  
 T.020 802 61089  
[wildlife@naturalengland.org.uk](mailto:wildlife@naturalengland.org.uk)

**For Office Use Only**  
 Ref No:

## 1. Applicant Details

Please enter the details of the person or company who will become the licensee.

### (a) Customer Details

*Please note: If you are the agent/named ecologist registering on behalf of the applicant you will need to provide their full authorisation with this application.*

\*Email Address

\*Title  
 (please tick as appropriate) Mr  Mrs  Mx  Other  (Please Specify)

\*Forename  Middle Name  \*Surname

Professional Membership (e.g. CIEEM, IEMA, etc)

*If you represent an organisation please complete (i) (ii) and (iii)*

(i) \*Business Title  (ii) \*Company  (iii) \*Position



House Name / No.	National Grid House		
*Address Line 1	Warwick Technology Park		
*Address Line 2	Gallows Hill		
Address Line 3	Warwick		
Town	Warwick	*County	Warwick
*Postcode	CV34 6DA	Country	United Kingdom

Either 'Telephone No.' or 'Mobile No.' must be completed.

Telephone No.		Mobile No.	07807 519240
Fax no.			
*Customer Type (e.g. Farmer, Householder, Ecologist, etc.)	Electricity Owner and Maintainer		

#### (b) Alternative Applicant Contact Details

In the event that the applicant is unavailable to discuss the application, it would be helpful if alternative contact details could be provided. By completing this section you are confirming that this contact is authorised to act on behalf of the applicant.

Name:	
Tel Number:	
Email Address:	

## 2. Agent / Named Ecologist Details

(a) Will an agent / named ecologist be used in conjunction with this application? Yes  No

(b) Ecologist Details

\*Email Address

TBC

\*Title

(please tick as appropriate) Mr  Mrs  Mx  Other  (Please Specify )

\*Forename

Middle Name

\*Surname

Professional Membership  
(e.g. CIEEM, IEMA, etc)

If you represent  
an organisation  
please complete  
(i) (ii) and (iii)

(i) \*Business Title

(ii) \*Company

(iii) \*Position

House Name / No.

\*Address Line 1

\*Address Line 2

Address Line 3

Town

\*County

\*Postcode

Country

Either 'Telephone No.' or 'Mobile No.' must be completed.

Telephone No.

Mobile No.

Fax no.

\*Customer Type (e.g. Farmer, Householder, Ecologist, etc.)

(c) Alternative Ecologist Contact Details

In the event that the named ecologist is unavailable to discuss the application, it would be helpful if alternative contact details could be provided. By completing this section you are confirming that this contact is authorised to act on behalf of the named ecologist and has a detailed knowledge of the application.

Name:

Laura Gore

Tel Number:

02920 353200

Email Address:

laura.gore@jacobs.com

### 3. Communication Preferences

Please indicate who should be contacted if we need to discuss this application:

Applicant  Agent / Ecologist

Please indicate to whom the outcome documentation for this application should be sent:

Applicant  Agent / Ecologist

Applicant preferences: Email  Post  Telephone

If 'Yes' for telephone, please provide a contact no.

Agent / Ecologist preferences: Email  Post  Telephone

If 'Yes' for telephone, please provide a contact no.

### 4. Previous Applications

(a) \* To your knowledge, have there been any previous applications or licence decisions concerning this site?

Yes  No

*If 'No' please go to the next section. If 'Yes' to (a), please complete the following.*

(b) \* Date of most recent application:

(c) \* What was the subject of the previous application?

(d) \* What is the application or licence reference number?

(e) \* What was the outcome of the previous application? (Please select one of the following)

Granted  Not Granted  Advice Only  Deferred  Not Yet Known

(f) To your knowledge, does this application relate to any previously licensed 'mitigation' work on any of the sites being applied for?

Yes  No

*If 'Yes' to (f): Please provide case / licence reference numbers*

(g) To your knowledge, are any of the sites being applied for subject to any recent, concurrent, pending or future applications for licences for the same or other European protected species or other protected species?

Yes  No

*If 'Yes' to (g): Please provide case / licence reference numbers*

European Protected Species Mitigation licences for bats and dormice will be required. A badger sett closure licence will also be submitted. Draft licence applications have been submitted to Natural England as part of the DCO consultation process.

For applications which are part of the Pre-Submission Screening Service:

More information on Natural England's Pre-Submission Screening Service can be found here.

Is this a first draft application? Yes  No

Is this a subsequent draft? Yes  No

Is this a formal application? Yes  No

Please provide any earlier reference numbers

For applications which are part of Nationally Significant Infrastructure Projects cases:

Is this a first draft application? Yes  No

Is this a subsequent draft? Yes  No

Is this a formal application? Yes  No

Please provide any earlier reference numbers

DAS Reference - 16955/375747  
Sam Kench - Lead Advisor / Emma Hurrell

## 5. Purpose

(a) \*Confirm the purpose of the application:

Any development as defined in section 55 (1) of the Town and Country Planning Act 1990, under section 10(1)(d)

(b) \* What are the main aims?

National Grid is planning to reinforce the transmission network between Bramford Substation in Suffolk, and Twinstead Tee in Essex, through the construction of a new 400kV line covering a distance of 29km.

This application is to close and destroy four badger setts (one subsidiary and three outliers), temporary close 20 setts (one subsidiary, three annexe and 16 outlier), and temporary partial closure of four setts (three main, and one subsidiary) within the Order Limits to facilitate construction works.

## 6. Site Details

\* Is the address for the premises to be licensed different to the applicant's address? Yes  No

If 'Yes' ... For each Site / Location to be licensed, please complete **all** of the following details:

If 'No' ... Please complete Site / Location Name and OS Grid Reference boxes only.

*(For linear projects, please add the start and end points separately)*

	Site 1	Site 2	Site 3
*Site / Location Name:	Start - Bramford Substation	End - Twinstead Tee	
House No:			
Address Line 1:	<b>Bullen Lane</b>	Hedingham Road	
Address Line 2:	<b>Bramford</b>	Wickham St. Paul	
Address Line 3:			
Town:		<b>Braintree</b>	
*County:	<b>Suffolk</b>	<b>Essex</b>	
Postcode:	<b>IP8 4JH</b>	<b>CO9 3AT</b>	
*OS Grid Reference: <i>(In format XX123456)</i>	<b>TM 102 461</b>	<b>TL 820 369</b>	

## 7. Conservation Considerations

(a) \*Will any part of the proposed activity fall in and/or adjacent to a Designated Site?

Yes  No  N/A

If 'Yes' to (a) please complete the table below. If 'No', please go to the next section.

Please indicate whether the activity will fall on and/or adjacent to a designated site:	Designated Site Name:	Type of Designated Site <i>E.g. National Nature Reserve (NNR), Site of Special Scientific Interest (SSSI), Special Protection Area (SPA), Special Area of Conservation (SAC), Ramsar Site, Ancient Monument, Marine Nature Reserve (MNR), Area of Outstanding Natural Beauty (AONB)</i>
On <input checked="" type="checkbox"/> Adjacent to <input type="checkbox"/>	Hintlesham Woods	Site of Special Scientific Interest
On <input checked="" type="checkbox"/> Adjacent to <input type="checkbox"/>	Hadleigh Railway Walk	Local Nature Reserve / County Wildlife Site (CWS)
On <input checked="" type="checkbox"/> Adjacent to <input type="checkbox"/>	Ansell's Grove/Ash Ground Alphamstone Complex, Alphamstone Meadows, Twinstead Marsh, Loshes Meadow Complex	Local Wildlife Sites (LoWS)
On <input checked="" type="checkbox"/> Adjacent to <input type="checkbox"/>	The Dollops Valley Farm Wood Valley Farm Meadow, Layham Pit Woodland and Meadow	CWS
On <input type="checkbox"/> Adjacent to <input type="checkbox"/>		
On <input type="checkbox"/> Adjacent to <input type="checkbox"/>		

(b) Have you received permission from all the designated site managers?

Yes  No  Not Known

(c) Have you consulted with Natural England for advice on the implications of the application on the designated sites?

Yes  No  Not Known

(d) Please give either the outcome of your consultations or the reason why you have not consulted us. Please provide any relevant correspondence and the name of the local Natural England adviser or reserve manager consulted.

Statutory consultation response letter from Sam Kench at NE on 21/03/22 and DAS advice on 14/12/21 (DAS/16955/375746). Consultation is also ongoing and a SLA is in place.

(e) Will work extend into future years?

*(If 'Yes' please state how many years it will extend for)*

Yes  4 years No

(f) Is work part of a wider project or contributing to local Biodiversity Action Plans?

Yes  No  Not Known

(g) Is the location covered by a Natural England Agri-Environment agreement (i.e. Environmental Stewardship)?

*(If 'Yes' please provide the agreement reference number)*

Yes  No  N/A

Ref. No:

Numerous land parcels along the scheme are part of Environmental Stewards

## 8. Authorisation

(a) \* Is the applicant the owner / occupier of the land? Yes  No  N/A

If 'Yes' to (a) please go to the next section. If 'No' to (a) please answer (b).

(b) Have you received the owner occupier's permission to apply? Yes  No

Please note that it is your responsibility as the applicant to obtain the owner or occupier's permissions to act under licence on their property.

You may be asked to provide documentation which confirms that you have owner or occupier's permissions and we will contact you if this is necessary.

## 9. Application Details

(a) Please add details for all licensable actions you wish to perform. Please complete one column per species:

	Licensable Action 1	Licensable Action 2	Licensable Action 3
*Application Subject	<i>Badgers</i>	<i>Badgers</i>	<i>Badgers</i>
*Species	<i>Badger</i>	<i>Badger</i>	<i>Badger</i>
*Activity	<i>Interfere with badger sett(s)</i>	<i>Interfere with badger sett(s)</i>	<i>Interfere with badger sett(s)</i>
Method or Field Technique	<input checked="" type="checkbox"/> Obstructing sett entrances by means of one-way badger gates <input checked="" type="checkbox"/> Obstructing access to sett entrances by blocking or proofing <input checked="" type="checkbox"/> Damaging a sett by hand and mechanical means <input checked="" type="checkbox"/> Destruction of the vacant sett by hand and mechanical means <input checked="" type="checkbox"/> Disturbance of badgers	<input checked="" type="checkbox"/> Obstructing sett entrances by means of one-way badger gates <input checked="" type="checkbox"/> Obstructing access to sett entrances by blocking or proofing <input type="checkbox"/> Damaging a sett by hand and mechanical means <input type="checkbox"/> Destruction of the vacant sett by hand and mechanical means <input checked="" type="checkbox"/> Disturbance of badgers	<input checked="" type="checkbox"/> Obstructing sett entrances by means of one-way badger gates <input checked="" type="checkbox"/> Obstructing access to sett entrances by blocking or proofing <input type="checkbox"/> Damaging a sett by hand and mechanical means <input type="checkbox"/> Destruction of the vacant sett by hand and mechanical means <input checked="" type="checkbox"/> Disturbance of badgers
Name of Sett	Four Setts (sett 26, 165,175, 226)	20 Setts (sett 5, 32, 82,104,105,106, 107, 112, 113, 116, 126, 143, 167, 181, 184, 185, 199, 200, 201, 205)	Temporary partial closure of four setts (sett 102, 129, 148, 177)
Sett type	<input type="checkbox"/> Main <input type="checkbox"/> Annexe <input checked="" type="checkbox"/> Outlier <input checked="" type="checkbox"/> Subsidiary	<input type="checkbox"/> Main <input checked="" type="checkbox"/> Annexe <input checked="" type="checkbox"/> Outlier <input checked="" type="checkbox"/> Subsidiary	<input checked="" type="checkbox"/> Main <input type="checkbox"/> Annexe <input type="checkbox"/> Outlier <input checked="" type="checkbox"/> Subsidiary
Re-open once development is complete?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
County	Suffolk and Essex	Suffolk	
OS Grid Reference	[REDACTED]	[REDACTED]	[REDACTED]
Proposed Date From	TBC - Approx 2024	TBC - Approx 2024	TBC - Approx 2024
Proposed Date To	TBC - Approx 2028	TBC - Approx 2028	TBC - Approx 2028

(b) \* Have you / will you submit a map or plan?

Yes  No

Please note: For new applications, where practical, you will need to provide a map or plan of a suitable scale showing where the activities will be undertaken. Please attach this to your application if appropriate.

## 10. Authorised Individuals

\*Will any additional authorised individuals / accredited agents be required to act under this license?

Yes  No

If 'Yes', for each additional authorised individual / accredited agent, please complete the details below. If 'No' please go to the next section

	Person 1	Person 2	Person 3
*Title:	TBC	TBC	TBC
*Forename			
Middle Name:			
*Surname:			
House No.:			
*Address Line 1:			
*Address Line 2:			
Address Line 3:			
Town:			
*County:			
*Postcode:			

Please note: The licensee and anyone acting under the licence are responsible for their actions and for complying with the licence conditions. In addition, no-one under the age of 18 may be authorised by the licensee without specific written permission from Natural England for licences that permit shooting.

## 11. Qualifications

(a) \* Do you have qualifications and/or experience of the methods and procedures proposed?

Yes  No

(b) Please provide details of relevant experience and qualifications.

TBC - named ecologist will be suitably experienced and licenced

(c) \* Have you consulted anyone in Natural England regarding this application?

Yes  No

If 'Yes' to (c)... Please provide details of the consultation.



## 12. Summary of Proposal & Consent Status

(a) Brief Description of Proposal  
(E.g. Construction of a new school, barn conversion to residential accommodation, barn conversion to residential accommodation, demolition of unsafe structure, demolition of building in advance of development, etc).

National Grid Electricity Transmission plc is making an application for development consent to reinforce the transmission network between Bramford Substation in Suffolk, and Twinstead Tee in Essex. The Bramford to Twinstead Reinforcement ('the project') would be achieved by the construction and operation of a new 400 kilovolt (kV) electricity transmission line over a distance of approximately 29km (18 miles), the majority of which would follow the general alignment of the existing overhead line network.

The information contained within this draft licence application demonstrates how the project could be constructed in accordance with Section 10(d) of the Protection of Badgers Act 1992. This information would also inform the issuing of a LONI by Natural England with respect to the project. The LONI would be submitted to support the application for a Development Consent Order (DCO).

(b) \* Is any consent required for your proposed project and the subject of this licence application?

1. Planning-related consent required (e.g. Planning permission, listed building consent, etc)
2. Demolition consent (under Building Act 1984) including prior notice to demolish.
3. Other type of consent required (e.g. Minerals consents, Highways Act consents, Secretary of State decision letter, compulsory Purchase Order, Environment Agency Consent, etc)
4. Permitted Development (under Town and Country Planning Act 1990)
5. No consent required (e.g. Public Health and safety issues)

If '3' is selected

(c) \* Please provide details of these consents

Development Consent Order - examination period begins in 2023

If '5' is selected

(d) \* Please explain why no consent is required

If '1', '2' or '3' is selected

(e) Have you obtained the necessary consent(s) to allow the proposed activity to be commenced?

Yes  No\*

- **Note that the application will be rejected if the necessary full consent(s) to allow the proposed activity to be commenced has not been obtained.**
- **Note we require a copy of the full planning consent(s) when the application is submitted.**

Pre-Submission Screening Service:

This is a chargeable service which, subject to availability, provides advice on draft applications prior to consents being in place and prior to a formal licence application being submitted. We strongly advise customers to use this service rather than trying to pursue a licence under Exceptional Circumstances, particularly where there are concerns about financial implications resulting from delays in obtaining a licence once planning consents are in place. Please see our website for further advice about the Pre-Submission Screening Service.

**Consent obtained**

(f) Please confirm details of all the consents that have been granted relevant to the proposed activity and this licence application.

- |   |                          |   |                          |
|---|--------------------------|---|--------------------------|
| Full Planning Permission  | <input type="checkbox"/> | Outline Planning Permission   | <input type="checkbox"/> |
| Demolition consent (under Building Act 1984) including prior notice to demolish | <input type="checkbox"/> | Conservation Area Consent   | <input type="checkbox"/> |
| Listed Building Consent   | <input type="checkbox"/> | Tree Preservation Order   | <input type="checkbox"/> |
| Highways Act Consent  | <input type="checkbox"/> | Utilities Consent   | <input type="checkbox"/> |
| Mineral Consent   | <input type="checkbox"/> | Other Consent   | <input type="checkbox"/> |
| Mineral Consent with Review of Mineral Planning Permission                      | <input type="checkbox"/> | Mineral Consent (Review of Mineral Planning Permission submitted to Mineral Planning) | <input type="checkbox"/> |

Other Consent Type

(g) Please provide consent reference number (s)

*Please submit copies of the consents (or extracts) that are relevant to the proposed activity and this licence application, if applicable.*

(h) For all consents that have been granted, have all conditions or Reserved Matters relating to wildlife species and habitat issues (which are intended to be and are capable of being discharged before development begins) been discharged?

Yes  No *if*

*'No' to (h), please answer **all** of the following. If 'Yes', please skip to (j).*

*Please note: If it is not possible or not intended for the conditions to be discharged before development commences then please do not answer 'No' to (h).*

(i) Please give details of those conditions that are still to be discharged and explain why they have not been discharged.

(j) Is the site subject to any commitment that affects the protected species named in this application?

Yes  No

*For example a Section 106 Agreement (Town and Country Planning act 1990) or other commitments made at a Public Inquiry or in an Environmental Statement.*

*If 'Yes' to (j):* Has the commitment been met? Please also explain what has been done.

If 'Yes' to (l):

What work is outstanding and when will it be completed?

(k) Is the site subject to any such commitment that affects other European Protected Species or other protected species? *E.g. badgers.*

Yes  No

If 'Yes' to (k):

Has this been met?

If 'Yes' to (k):

When will it be complete?

### 13. Consenting Authority

Please provide the Local Planning Authority/Authorities that have granted consent for the proposed project and the subject of this licence application. Please then provide contact details for the responsible officer.

If consent is granted by another body (e.g. Secretary of State, Natural England, Environment Agency, Utilities Consent, Highways Consent, etc) then please provide details for it as appropriate.

If no consent is required (e.g. Public health and safety issues) then please leave the remaining fields blank.

\*Consenting Authority Name

Secretary of State for Business, Energy and Industrial Strategy

\*Title

\*Forename

\*Surname

\* Position

Email Address

Telephone Number

Address

## 14. Method Statement

To accompany this application we require a report or method statement that clearly describes how the proposed development work will interfere with the badger setts and also demonstrates how any mitigation work will be carried out.

We would appreciate it if you do not use spiral binding for your report or Method Statement as this affects the ease with which we can scan or copy the document.

All reports must contain the following information (if not already provided in the application form):

### 1. Development site

- Give the full postal address of the land where work is proposed.
- Give the full name and address of the developer.

### 2. Map and site details

- Include an appropriately scaled map of the development site that shows the site location. This map, or an additional larger scale map if necessary, should also show locations of all setts on the site. Aerial photographs of the site are also helpful.
- Setts should be named or numbered and referred to in the legend or report.
- Give the likely status of the setts (whether main, subsidiary, annexe or outliers) and whether they are active or not. State the number of entrance holes at each sett.
- Indicate and specify which setts are to be disturbed, damaged, destroyed or obstructed. Specify any setts that will be re-opened at the end of the works.
- Show the location of any mitigation work e.g. artificial setts, new foraging habitat, water sources etc.

### 3. Survey information

Give details (including methods and results) of the survey undertaken to identify the location, number and status of the setts that will be affected by the proposed development work. Include details of any bait marking survey or other exercise that indicates territorial range of the badgers on site.

### 4. Work schedule

Provide a detailed schedule for all proposed sett interference, stating how and when each badger sett will be affected and indicating the type of machinery or tools to be used and the distance from the sett(s). Explain the rationale for the necessary badger interference. The dates of any proposed mitigation work must also be included (if applicable).

### 5. Maintenance and monitoring

Explain how you will:

- I. Monitor badger activity to ensure that badgers do not regain access to excluded setts before and during site clearance and sett destruction.
- II. Monitor the proposed development work to ensure that all licence conditions are met.

## 15. Supplementary Information

*Please provide any additional information you may have to support your application.*

The network reinforcement would comprise of approximately 18km of overhead line, consisting of approximately 50 new permanent steel-lattice pylons (approximately 54m tall) and aluminium conductors (the line part). There would also be approximately 11km of underground cable system, consisting of approximately 21 cables (anticipated to comprise 18 transmission cables and three fibre cables) with associated joint bays and above ground link pillars.

Four Cable Sealing End (CSE) Compounds would be required to facilitate the transition between the overhead and underground cable technology. The CSE would be within a fenced compound, and contain electrical equipment, support structures, a small control building and a permanent access track.

It is proposed that approximately 27km of existing overhead line and associated pylons would be removed as part of the proposals (25km of existing 132kV overhead line between Burstall Bridge and Twinstead Tee, and 2km of the existing 400kV overhead line to the south of Twinstead Tee) so that the alignment can be used by the proposed new 400kV overhead line to reduce impacts.

To facilitate the overhead line removal, a new grid supply point (GSP) substation is required at Butler's Wood, east of Wickham St Paul, in Essex. The GSP substation would include associated works, including replacement pylons, a single circuit sealing end compound and underground cables to tie the substation into the existing 400kV and 132kV networks.

Where possible, working areas and access routes have been designed to avoid ecologically sensitive areas and reduce any local habitat loss. An effort has been made to avoid main setts and to limit disturbance to the local badger populations.

## 16. Charge Screening

### 16a. Applicant Screening

Natural England will use this form to assess whether you need to pay for your licence.

If you do not complete your form correctly, your request might take longer.

### **Charge screening to replace a current wildlife licence granted before 7 December 2020 only**

Enter your licence reference number

### **Declaration**



I have read and understood the [terms and conditions for payment](#) in respect of an existing wildlife licence and agree to pay relevant charges.

## 16b. Is there a charge for your licence?

Your answers must be the same as question 5 and question 12.

Tick the relevant box for the main purpose of your licence application.

For a householder home improvement project (such as an extension, garage, car port, wall or fence), for which you:

- have received planning consent through a householder planning application
- do not need planning consent (permitted development)

For the conservation of a:

- scheduled monument
- listed building
- registered place of worship
- traditional farm building in a countryside stewardship agreement

If you have ticked any of these purposes, you may be exempt from licence charges. You do not need to complete the rest of section 16.

## 16c. Invoice details

**Only complete this section if your licence is charged for.**

Please note:

- if the section below needs to be completed and is left blank, the form will be returned to you for completion. Licence assessment will not commence until these details are provided
- requests for changes to invoice details made after an invoice has been issued (including missing purchase order numbers) will be subject to a £101 administration charge.

Contact details are the same as the applicant details

Company name

National Grid

Address including postcode

National Grid House  
Warwick Technology Park  
Gallows Hill  
Warwick  
CV34 6DA

Telephone number

Mobile number

07514 726455

Email address for invoices

Sally.Rotherham@nationalgrid.com - Lead Consent Officer

Contact name for invoices

Sally Rotherham

Email address (if different from invoice email address)

Do you use a purchase number for company invoices?

Yes

No

If yes, enter the purchase order number

## 16d. Licence Cost

The cost of this licence is calculated to the nearest quarter of an hour, based on an hourly rate of **£101** plus a £61 compliance check.

Most licences are likely to cost between £300 and £800, including the compliance check charge. Most replacement licences are likely to cost between £200 and £ 400.

Complex cases are likely to cost more. For example, if you:

- use a non-standard artificial sett in an unsuitable location - or where there is insufficient evidence of suitability
- affect multiple setts
- have not considered all options before closing a sett
- propose partial or temporary closure of a sett
- 'live dig' a badger sett
- work during the breeding season
- cause the loss of a complete badger clan's territory
- sever territories or separate badger clans from their foraging ground
- propose work that may lead to a high risk of disease as a result of perturbation
- affect a protected site

Other factors that will make your licence more complex include:

- projects using unusual, new or contentious methods
- applications or project plans that have incomplete details
- applications or project plans with unnecessary additional information
- issues with ecologist experience or poor references
- surveys that do not follow guidance or are limited or constrained
- phased or multi-plot developments
- applications where compliance issues have been identified or have previous police involvement
- applications without relevant planning permissions (or other consents) in place; that do not have conditions or reserved matters fully discharged; or that propose the use of exceptional circumstances

Once you have completed this application form please read , complete and sign Sections 17 and 18 then send to [wildlife@naturalengland.org.uk](mailto:wildlife@naturalengland.org.uk)



## 17. Sharing and Using Your Information

How we use your personal information is set out in the Wildlife Licensing privacy notice which can be found here

<https://www.gov.uk/government/publications/natural-england-privacy-notice>

### **Important Advice:**

- **If your application is made under the Wildlife and Countryside Act 1981 (as amended) or the Conservation of Habitats and Species Regulations 2017 (as amended), any person who in order to obtain a licence knowingly or recklessly makes a statement or representation, or furnishes a document or information which is false in a material particular, shall be guilty of an offence and may be liable to criminal prosecution. Any person found guilty of such an offence is liable, on summary conviction, to imprisonment for a term not exceeding six months or to a fine not exceeding level 5 on the standard scale, or to both. Regarding other wildlife legislation, we will look to provisions in the Fraud Act 2006 (as amended) in respect of applicants making any false representations.**
- **Natural England or the Secretary of State can modify or revoke at any time any licence that is issued, but this will not be done unless there is good reason for doing so. Any licence that is issued is likely to be revoked immediately if it is discovered that false information has been provided that resulted in the issue of a licence.**

**18. Declaration**

**18a. Convictions**

\* Have you or any person listed in the application been convicted of any wildlife-related or animal welfare offence? Yes  No

If 'Yes': Please provide details of the convictions: *(including dates)*

**18b. Applicant Declaration.**

I have read and understood the privacy notice above.

- Where required, I undertake to obtain permission from landowners / occupiers of land to exercise any licence resulting from this application, and to allow any employee or representative of Natural England to monitor or inspect the work described in this application.
- I have read and understood the guidance provided in the application form and on the Wildlife Licensing Internet guidance pages. I declare the particulars given are correct to the best of my knowledge and belief.
- I have read and understood the [Terms and Conditions](#) for payment in respect of Wildlife Licence Applications and agree to pay all the relevant charges due.
- I declare the particulars given are correct to the best of my knowledge and belief, and I apply for a licence in accordance with the information I have provided.

I agree to the declaration above.

Signature of Applicant:

For electronic applications, please insert an electronic signature above or tick this box to confirm with the declaration.

Name: *(In BLOCK letters)*

Date:

**18c. Ecologist Declaration (if applicable)**

- I have read and understood the privacy notice above.
  - I can confirm that I have visited the site.
  - I have designed and inputted into the licence proposal.
  - I am satisfied that the proposal will have the least possible impact on the species concerned.
  - I declare the particulars given are correct to the best of my knowledge and belief.
- I agree to the declaration above.

Signature of Ecologist:

For electronic applications, please insert an electronic signature above or tick this box to confirm with the declaration.

Name: *(In BLOCK letters)*

Date:

**19. Annex - Application Notes**

***Applicant***

The applicant is the person submitting the application (usually the landowner or occupier) who, if the licence was granted, would become the licensee. The applicant may appoint agents to produce the application pack and act on their behalf. A person with specific skills and knowledge of the species concerned, such as a consultant ecologist, must be appointed to assist in the preparation and the delivery of the proposals that ensure the species protection requirements can be met.

***Licensee***

The "Licensee" named on the licence is responsible for ensuring that all activities carried out on site in relation to the licence comply with the terms and conditions of the licence. This means that all authorised persons have a responsibility for ensuring that the licence terms and conditions, including any annex special conditions, are understood and complied with. Failure to do so could lead to prosecution.

***Consultant/Named Ecologist***

The "Named Ecologist" is a professional ecological consultant who has satisfied Natural England that they have the relevant skills, knowledge and experience of the species concerned and is responsible for undertaking and/or overseeing the work undertaken in respect of the licensed species. The 'Named Ecologist' has a responsibility for ensuring that the licence is complied with. They are responsible for advising the licensee on the suitability and competence of any Accredited Agents or Assistants employed on site to undertake the required duties and may include the direct supervision of Assistants where appropriate. More information about the experience required to become a named ecologist can be found here:

[http://webarchive.nationalarchives.gov.uk/20140605090108/http://www.naturalengland.org.uk/Images/bat-mitigation-guidance\\_tcm6-10534.pdf](http://webarchive.nationalarchives.gov.uk/20140605090108/http://www.naturalengland.org.uk/Images/bat-mitigation-guidance_tcm6-10534.pdf)

### ***Accredited Agent***

An “Accredited Agent” is a suitably trained and experienced person who is able to carry out work under a licence without the personal supervision of the Named Ecologist. Any Accredited Agent must be appointed by the Licensee and be in possession of a letter signed by the Licensee confirming their appointment. Agents shall carry a copy of the said letter when acting under the licence and shall produce it to any police or Natural England officer on request.

### ***Assistants***

An “Assistant” is a person assisting a Named Ecologist or Accredited Agent. Assistants are only authorised to act under this licence whilst they are under the direct supervision of either the Named Ecologist or an Accredited Agent.

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