

A1 in Northumberland: Morpeth to Ellingham

Scheme Number: TR010041

6.7 Environmental Statement – Appendix 9.22 Bat Method Statement

Part A

APFP Regulation 5(2)(a)

Planning Act 2008

Infrastructure Planning (Applications: Prescribed
Forms and Procedure) Regulations 2009

June 2020

Infrastructure Planning

Planning Act 2008

**The Infrastructure Planning
(Applications: Prescribed Forms and
Procedure) Regulations 2009**

**The A1 in Northumberland: Morpeth to Ellingham
Development Consent Order 20[xx]**

Environmental Statement - Appendix

Regulation Reference:	APFP Regulation 5(2)(a)
Planning Inspectorate Scheme Reference	TR010041
Application Document Reference	TR010041/APP/6.7
Author:	A1 in Northumberland: Morpeth to Ellingham Project Team, Highways England

Version	Date	Status of Version
Rev 0	June 2020	Application Issue

Highways England

A1 IN NORTHUMBERLAND: MORPETH TO FELTON

Appendix 9.22 Bat Method Statement

PROJECT NO. 70044136

OUR REF. NO. HE551459-WSP-EGN-M2F-RP-LE-1942

DATE: JANUARY 2020

Draft Bat Licence

A1 in Northumberland: Morpeth to Felton - Building B4a

APPLICATION FORM

Licence Application Form

Mitigation Licensing - Bats

Please Note - Applications can be completed online. For more information please visit our website.

- 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 licence application within its published service standards.
- If you experience any problems completing this application or using the online Case Work Management (CWM) system - please see our [website](#) for guidance or contact Wildlife Licensing.
- Additional guidance is provided in [Using CWM - Applicant Guidance Document](#). This can be downloaded from our website or you can ask Wildlife Licensing to send you a copy.

NATURAL
ENGLAND

Wildlife Licensing
Natural England
Horizon House
Deanery Road
Bristol
BS1 5AH
T. 020 802 61089
EPS.Mitigation@naturalengland.org.uk

For Office Use Only

CWM Ref No:

Charter Deadline

1. Applicant Details

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

(For guidance please see attached annex)

If the applicant **is already registered as a customer please complete Registered Applicant Details (a)*

If the applicant **is not already registered as a customer please complete the New Applicant Registration (b)*

(a) Registered Applicant Details

*Customer Number

*Surname

*Forename

*Postcode

(b) New Applicant Registration

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.

*Title

(please tick as appropriate)

Mr ☐

Mrs ☐

Ms ☐

Other ☐

(Please Specify)

*Forename

Middle Name

*Surname

*Email Address

Professional Membership
(eg, CIEEM, IEMA, etc.)

House Name / No.	Lateral 8		
*Address Line 1	City Walk		
*Address Line 2			
Address Line 3			
Town	Leeds	*County	West Yorkshire
*Postcode	LS11 9AT	Country	England

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

Telephone	03004702616	Mobile	
Fax			

*Customer Type (eg, Farmer, Householder, Ecologist, etc.) Government body

*Are you VAT registered? ☐ Yes ☐ No If Yes, VAT Number:

*Are you registered with the Rural Payments Agency? ☐ Yes ☐ No If Yes, RPS SBI number

(c) If you are registering on behalf of an organisation please complete this section.

*Position Project Manager *Organisation Name Highways England

What is the size of your organisation?

- ☐ Micro (1 to 10 employees)
☐ Small (11 to 49 employees)
☐ Medium (50 to 249 employees)
☒ Large (250 employees or more)

What is the legal status of your organisation?
(eg. private limited company, registered charity, voluntary organisation, Government agency, Local Authority)

Government agency

Companies House Registration or
Registered Charity Number:

(d) 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: Jack Fenwick

Telephone number:

Email Address: jack.fenwick@wsp.com

2. Named Ecologist Details

Please enter the details of the named ecologist. Please note a named ecologist is required for all development and mitigation applications *(For guidance please see attached annex)*

- If the ecologist is already registered as a customer please complete Registered Named Ecologist Details (a)
- If the ecologist is not already registered as a customer please complete the New Named Ecologist Registration (b)
- If there will not be an ecologist used in conjunction with this application please go to the next section

(a) Registered Named Ecologist Details

*Customer Number

TBC

*Surname

TBC

*Forename

TBC

*Postcode

TBC

(b) New Named Ecologist Details

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

*Email Address

*Title

(please tick as appropriate)

Mr ☐

Mrs ☐

Ms ☐

Other ☐

(Please Specify)

*Forename

Middle Name

*Surname

Professional Membership

(eg, CIEEM, IEMA, etc)

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

Mobile

Fax

*Customer Type (eg, Farmer, Householder, Ecologist, etc.)

*Are you VAT registered?

☐ Yes ☐ No

If Yes, VAT Number:

*Are you registered with the Rural Payments Agency?

☐ Yes ☐ No

If Yes, RPS SBI number:

(c) If you are registering on behalf of an organisation please complete this section.

*Position

*Organisation Name

What is the size of your organisation?

- ☐ Micro (1 to 10 employees)
☐ Small (11 to 49 employees)
☐ Medium (50 to 249 employees)
☐ Large (250 employees or more)

What is the legal status of your organisation?
(eg, private limited company, registered charity,
voluntary organisation, Government agency, Local Authority)

Companies House Registration or
Registered Charity Number:

(d) Alternative Named 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:

Telephone Number:

Email Address:

3. Communication Preferences

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

(Please note more than one option can be selected for each question):

Applicant

☒

Named Ecologist

☐

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

Applicant

☒

Named Ecologist

☐

Applicant
Preferences:

Email

☒

Post

☐

Telephone

☐

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

Named
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 move to question 4(g). If 'Yes' to (a), please complete the following.

(b) * Date of most recent application:

(c) * Which species was the subject of the previous application?

(d) * What was 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 for any species on the site being applied for?

☐ Yes ☐ No

If 'Yes' to (f): Please provide application/ licence reference numbers, species details and outcome details.

(g) To your knowledge, is the site 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 application/ licence reference numbers and/or species information.

As part of the A1 Northumberland: Mopeth to Felton DCO, in addition to this licence, an additional great crested newt licence will be required for ponds A11 and A12 at Burgham Park (two licences in total). In addition, a single bat EPS licence is required for the demolition of building B4A (which

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

Are you aware if your case has been seen or reviewed by Natural England?

☐ Yes ☐ No ☐ Not sure

If yes, who provided the advice and when?

Any further information you would like to provide:

Is this a formal application?

☐ Yes ☐ No

Please provide any earlier reference numbers

For applications which are part of Nationally Significant Infrastructure Projects:

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

5. Purpose

(a) * Brief Description of Proposal
eg, Construction of a new road,
maintenance of a bridge, construction
of five flats with access road and car
parking area.

A1 in Northumberland: Morpeth to Felton. The Scheme aims to enhance resilience along an approximately 12.6km section of the existing A1 between Morpeth and Felton in Northumberland, by widening the single carriageway to a dual carriageway. It includes approximately 6.1km online widening and approximately 6.5km of new offline highway.

(b) * Please tell us why you need a
licence.
eg. A day roost will be damaged, a night
roost will be destroyed, a maternity roost
will be modified and a day roost will be
destroyed.

The Scheme, requires the destruction of a three storey, stone built residential building (building B4a). The destruction of this building will result in the permanent loss of a low status day roost for common pipistrelle.

(c) * Please confirm the purpose of the application:

- ☒ Imperative reasons of overriding public interest including those of a social or economic nature and beneficial consequences of primary importance for the environment under section 55(2)(e)
- ☐ Preserving public health or public safety, under section 55(2)(e)
- ☐ Preventing the spread of disease, under section 55(2)(f)
- ☐ Preventing serious damage to livestock, foodstuffs for livestock, crops, vegetables, fruit, growing timber, fisheries or inland waters, or any other form of property under section 55(2)(g)
- ☐ A purpose not specified in Regulation 55(2) that is consistent with Article 16(1)(e) of the Habitats Directive, under section 55(4)

(d) * Please confirm the category most appropriate to your proposed work

(Please select one of the following): :

- | | |
|---|---|
| <input type="checkbox"/> Agriculture / Farming/ Fishing / Forestry/
Nature conservation | <input type="checkbox"/> Housing (non-householder) (eg, residential
development, repairs/maintenance, non-
householders) |
| <input type="checkbox"/> Archaeological investigation | <input type="checkbox"/> Industrial/Manufacturing |
| <input type="checkbox"/> Barn conversion | <input type="checkbox"/> Mineral extraction/Quarrying |
| <input type="checkbox"/> Commercial - eg, office, retail | <input checked="" type="checkbox"/> Nationally Significant Infrastructure Projects |
| <input type="checkbox"/> Communications | <input type="checkbox"/> Places of worship |
| <input type="checkbox"/> Energy generation/Energy supply | <input type="checkbox"/> Public buildings and land (eg, schools,
universities, hospitals, care facilities, military,
prisons) |
| <input type="checkbox"/> Flood and coastal defences | <input type="checkbox"/> Tourism/leisure eg, golf courses, country
parks, holiday camps |
| <input type="checkbox"/> Health and safety | <input type="checkbox"/> Transport/Highways |
| <input type="checkbox"/> Heritage/Historical (eg, National Trust, listed
building, scheduled monument) | <input type="checkbox"/> Water management |
| <input type="checkbox"/> Householder home improvement (eg, loft
conversion, extension, garage, conservatory,
repairs) | <input type="checkbox"/> Water supply and treatment/water
environment |
| | <input type="checkbox"/> Other |

If other, please provide details here:

(e) * Is the proposed work part of a phased or a multi-plot development?

☐ Yes ☐ No

If 'Yes' to (e): You must submit a species specific master plan and Habitat Management and Maintenance Plan with this application, as a separate document. Guidance on what should be included in a master plan can be found at - http://webarchive.nationalarchives.gov.uk/20140605090108/http://www.naturalengland.org.uk/Images/WML- G11_tcm6-9930.pdf

6. Site Details

*Is the address for the site to be licensed different to the applicant's address?

☐ Yes ☐ No

If 'Yes': For the 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 Details

*Site / Location Name:	A1 in Northumberland: Morpeth to Felton - Building B4a
House Number:	Northgate House
Address Line 1:	A1
Address Line 2:	
Address Line 3:	
Town:	Morpeth
*County:	Northumberland
Postcode:	N61 3BU
*OS Grid Reference: <i>(In format XX123456)</i>	NZ 182 886

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>Eg 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 type="checkbox"/> Adjacent to <input type="checkbox"/>		
On <input type="checkbox"/> Adjacent to <input type="checkbox"/>		
On <input type="checkbox"/> Adjacent to <input type="checkbox"/>		
On <input type="checkbox"/> Adjacent to <input type="checkbox"/>		

Please indicate whether the activity will fall on and/or adjacent to a designated site:	Designated Site Name	Type of Designated Site <i>Eg 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 type="checkbox"/> Adjacent to <input type="checkbox"/>		
On <input type="checkbox"/> Adjacent to <input type="checkbox"/>		

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

☐ Yes ☐ No ☐ Not known

(c) 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.

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. You may enter more than one Activity and/or Method or Field Technique per species. **All the data entered here MUST be accurately reflected in your accompanying method statement.**

- Please see annex for guidance on bat roost definitions.
- If you require additional rows, please attach extra sheets to your application, presenting the information in the same table format.

Application Subject	Bats	Bats	Bats	Bats	Bats
*Species	Pipistrellus pipistrellus				
*Activity	Capture Take <input checked="" type="checkbox"/> Disturb <input checked="" type="checkbox"/> Transport <input type="checkbox"/> Damage Breeding Site <input type="checkbox"/> Destroy Breeding Site <input type="checkbox"/> Damage Resting Place <input type="checkbox"/> Destroy Resting Place <input checked="" type="checkbox"/>	Capture Take <input type="checkbox"/> Disturb <input type="checkbox"/> Transport <input type="checkbox"/> Damage Breeding Site <input type="checkbox"/> Destroy Breeding Site <input type="checkbox"/> Damage Resting Place <input type="checkbox"/> Destroy Resting Place <input type="checkbox"/>	Capture Take <input type="checkbox"/> Disturb <input type="checkbox"/> Transport <input type="checkbox"/> Damage Breeding Site <input type="checkbox"/> Destroy Breeding Site <input type="checkbox"/> Damage Resting Place <input type="checkbox"/> Destroy Resting Place <input type="checkbox"/>	Capture Take <input type="checkbox"/> Disturb <input type="checkbox"/> Transport <input type="checkbox"/> Damage Breeding Site <input type="checkbox"/> Destroy Breeding Site <input type="checkbox"/> Damage Resting Place <input type="checkbox"/> Destroy Resting Place <input type="checkbox"/>	Capture Take <input type="checkbox"/> Disturb <input type="checkbox"/> Transport <input type="checkbox"/> Damage Breeding Site <input type="checkbox"/> Destroy Breeding Site <input type="checkbox"/> Damage Resting Place <input type="checkbox"/> Destroy Resting Place <input type="checkbox"/>
*Method or Field Technique	By hand <input checked="" type="checkbox"/> By static hand-held net <input checked="" type="checkbox"/> Temporary exclusion <input type="checkbox"/> Permanent exclusion <input checked="" type="checkbox"/> Destructive search by soft demolition <input type="checkbox"/> Mechanical demolition <input type="checkbox"/> Disturbance by illumination (intentional by torch) <input checked="" type="checkbox"/> Disturbance by noise or vibration <input checked="" type="checkbox"/> Temporary obstruction of roost access <input type="checkbox"/> Endoscopes <input checked="" type="checkbox"/>	By hand <input type="checkbox"/> By static hand-held net <input type="checkbox"/> Temporary exclusion <input type="checkbox"/> Permanent exclusion <input type="checkbox"/> Destructive search by soft demolition <input type="checkbox"/> Mechanical demolition <input type="checkbox"/> Disturbance by illumination (intentional by torch) <input type="checkbox"/> Disturbance by noise or vibration <input type="checkbox"/> Temporary obstruction of roost access <input type="checkbox"/> Endoscopes <input type="checkbox"/>	By hand <input type="checkbox"/> By static hand-held net <input type="checkbox"/> Temporary exclusion <input type="checkbox"/> Permanent exclusion <input type="checkbox"/> Destructive search by soft demolition <input type="checkbox"/> Mechanical demolition <input type="checkbox"/> Disturbance by illumination (intentional by torch) <input type="checkbox"/> Disturbance by noise or vibration <input type="checkbox"/> Temporary obstruction of roost access <input type="checkbox"/> Endoscopes <input type="checkbox"/>	By hand <input type="checkbox"/> By static hand-held net <input type="checkbox"/> Temporary exclusion <input type="checkbox"/> Permanent exclusion <input type="checkbox"/> Destructive search by soft demolition <input type="checkbox"/> Mechanical demolition <input type="checkbox"/> Disturbance by illumination (intentional by torch) <input type="checkbox"/> Disturbance by noise or vibration <input type="checkbox"/> Temporary obstruction of roost access <input type="checkbox"/> Endoscopes <input type="checkbox"/>	By hand <input type="checkbox"/> By static hand-held net <input type="checkbox"/> Temporary exclusion <input type="checkbox"/> Permanent exclusion <input type="checkbox"/> Destructive search by soft demolition <input type="checkbox"/> Mechanical demolition <input type="checkbox"/> Disturbance by illumination (intentional by torch) <input type="checkbox"/> Disturbance by noise or vibration <input type="checkbox"/> Temporary obstruction of roost access <input type="checkbox"/> Endoscopes <input type="checkbox"/>
* Maximum number of bats to be licensed at the time that works are proposed	2				
* Number of breeding sites to be impacted	0				
* Number of resting sites to be impacted	1				

Expected roost type affected	Hibernation confirmed	<input type="checkbox"/>	Hibernation confirmed	<input type="checkbox"/>	Hibernation confirmed	<input type="checkbox"/>	Hibernation confirmed	<input type="checkbox"/>	Hibernation confirmed	<input type="checkbox"/>
	Day	<input checked="" type="checkbox"/>	Day	<input type="checkbox"/>	Day	<input type="checkbox"/>	Day	<input type="checkbox"/>	Day	<input type="checkbox"/>
	Transitional/ Occasional	<input type="checkbox"/>	Transitional/ Occasional	<input type="checkbox"/>	Transitional/ Occasional	<input type="checkbox"/>	Transitional/ Occasional	<input type="checkbox"/>	Transitional/ Occasional	<input type="checkbox"/>
	Feeding perch	<input type="checkbox"/>	Feeding perch	<input type="checkbox"/>	Feeding perch	<input type="checkbox"/>	Feeding perch	<input type="checkbox"/>	Feeding perch	<input type="checkbox"/>
	Night	<input type="checkbox"/>	Night	<input type="checkbox"/>	Night	<input type="checkbox"/>	Night	<input type="checkbox"/>	Night	<input type="checkbox"/>
	Satellite	<input type="checkbox"/>	Satellite	<input type="checkbox"/>	Satellite	<input type="checkbox"/>	Satellite	<input type="checkbox"/>	Satellite	<input type="checkbox"/>
	Swarming or mating	<input type="checkbox"/>	Swarming or mating	<input type="checkbox"/>	Swarming or mating	<input type="checkbox"/>	Swarming or mating	<input type="checkbox"/>	Swarming or mating	<input type="checkbox"/>
	Maternity	<input type="checkbox"/>	Maternity	<input type="checkbox"/>	Maternity	<input type="checkbox"/>	Maternity	<input type="checkbox"/>	Maternity	<input type="checkbox"/>
Underground - mines, caves, cellars, tunnels or bridges (number & type)	<input type="checkbox"/>	Underground - mines, caves, cellars, tunnels or bridges (number & type)	<input type="checkbox"/>	Underground - mines, caves, cellars, tunnels or bridges (number & type)	<input type="checkbox"/>	Underground - mines, caves, cellars, tunnels or bridges (number & type)	<input type="checkbox"/>	Underground - mines, caves, cellars, tunnels or bridges (number & type)	<input type="checkbox"/>	

Please enter the proposed start date of action below. *Please note this refers to the date of the first licensable action, not necessarily when the development commences.*

*Proposed Date From:	01/08/2021				
*Proposed Date To:	31/10/2022				

(b) * Have you sent your records to the Local Records Centre?

☐ Yes ☐ No

Please note: You must send survey data and habitat assessment data to your Local Records Centre (LRC). It is a condition of survey licences that records are sent to LRCs annually or to other organisations as specified on a particular survey licence (e.g. People's Trust for Endangered Species).

(c) * Have surveys been conducted within the current or most recent optimal season and undertaken in accordance with the most up to date edition of the Bat Conservation Trust (BCT) *Bat Surveys for Professional Ecologists - Good Practice Guidelines* and the *Bat Mitigation Guidelines*?

☐ Yes ☐ No

If 'No', please confirm that full justification has been provided in section C5a in the Method Statement template. **Please note that inadequate or insufficient survey information is likely to cause a delay to your licence application and possibly result in a Further Information Request.**

☐ Yes, I confirm

10. Experience

Please note: For guidance in completing this section please refer to the Experience in Bat Mitigation document at http://webarchive.nationalarchives.gov.uk/20140605090108/http://www.naturalengland.org.uk/Images/bat-mitigation-guidance_tcm6-10534.pdf

(a) * Has the named ecologist associated with this application held or been named on a bat mitigation licence in the past three years for the same species and in relation to a project of similar scale, methodology and mitigation?

☐ Yes ☐ No

If 'Yes' to (a):

(b) * Please provide the name of the issuing authority, the licence reference number, date of issue and the species and roost types of licences held

TBC

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

(c) * Does the named ecologist currently hold a valid personal survey licence or are they registered to use a minimum of Level 2 Bat class survey licence?

☐ Yes

☐ No

If 'Yes' complete **all** of the following.

If 'No' go to (f)

(d) * What is/are the survey licence reference number(s)?

(e) * Number of years the survey licence(s) have been held (minimum of 2 years):

(f) * Please give brief details of the named ecologist's current science, education or conservation licence or any other licences issued to the ecologist in the last three years relevant to the species relating to this application:

(g) * Please give brief details of the named ecologist's experience on mitigation projects (a minimum of 3 projects) relevant to the species relating to this application, including in what capacity they acted. State the site names and reference numbers of licences and the type of mitigation involved:

(h) * Please provide details of the named ecologist's Qualifications, including any Continual Professional Development (CPD) training relevant to the species relating to this application:

Please note: If you have not held a mitigation licence in the last three years you will need to provide written references from two people who are familiar with the named ecologist's work. Please attach these references with your application. References provided in support of your licence application should:

- Vouch for the named ecologist's suitability and competence to prepare and deliver mitigation projects;
- State how long referees have known the named ecologist and in what capacity;
- Provide details of the named ecologist's mitigation experience with the relevant species or a related species; and
- Provide details of the referees' own mitigation experience and mitigation licence held (if appropriate): at least one referee must have held a mitigation licence within the last 3 years.

(i) * Are you providing references?

☐ Yes ☐ No

If 'Yes' to (i): Please provide details of the referees. We may need to contact these referees to verify their statements.

1st Referee:

2nd Referee:

11. Consent Status

(a) * 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, Highway Act consents, Secretary of State Decision Letter, Compulsory Purchase Order, Environment Agency Consent, etc.)
- ☐ 4. Permitted Development (under Town and Country Planning Act 1990) - no specific consent required.
- ☐ 5. No consent required (e.g. Public Health and safety issues)

If '3' is selected

(b) * Please provide details of these consents

This is an NSIP application and the licence will be applied for once the DCO is in place.

If '5' is selected

(c) * Please explain why no consent is required

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

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

☐ Yes ☐ No

- If 'No' to (d), please complete 'Consent Not Obtained'
- If 'Yes' to (d), please complete 'Consent Obtained'

* Please confirm that you will submit copies of any consent(s) or extracts that are relevant to the proposed activity and this licence application if applicable:

☐ Yes, I confirm

Consent not obtained

Please note: If you have not held a mitigation licence in the last three years you will need to provide written references from two people who are familiar with the named ecologist's work. Please attach these references with your application. References provided in support of your licence application should:

(e) * Please provide details of the outstanding consents to be obtained and the likely time scales for their determination/issue.

No consents are currently in place. This is an NSIP and this licence informs the Development Consent Order process. The final licence application will follow the completion of the DCO process.

Pre-submission Screening Service:

We will provide advice on draft applications, prior to consents being in place and prior to a formal licence application being submitted through this chargeable service. 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 this.

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"/>	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	<input type="checkbox"/>

If Other, please provide details here:

(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 (i), 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 complete the questions below.

(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 (j)

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? Eg, a Section 106 Agreement (Town and Country Planning Act 1990) or other commitments made at a Public Inquiry or in an Environmental Statement.

☐ Yes ☐ No

If 'Yes' to (k)

Has this been met?

If 'Yes' to (k)

When will this be complete?

A Reasoned Statement and supporting documents may be required in support of this application

Copies of the latest version of the Reasoned Statement template which sets out when a Reasoned Statement is required and further guidance to help are available on our website.

Please confirm that you have read and understood the Reasoned Statement template and advice note/guidance

☐ Yes, I confirm

(I) *Does your application require a Reasoned Statement?

☐ Yes ☐ No

If 'No' to
(I)

*Please confirm the exception that applies

☐ Applications for home improvements and small scale housing developments:

- Repairs and maintenance
- Roof replacements, loft conversions and extensions
- Renovations of existing domestic dwellings and associated structures, such as garages
- Housing developments of less than 1 hectare, including:
 - existing buildings and associated structures that may need to be demolished before redevelopment takes place (whether domestic dwellings or other types of buildings)
 - barn conversions for domestic dwellings (this doesn't include conversions for commercial use, such as holiday lets)

☐ Applications to conserve and protect listed buildings, scheduled monuments or places of worship:

- [listed buildings](#)
- [scheduled monuments](#)
- [registered places of worship](#) or a place of worship belonging to the Church of England for:
 - repairs and maintenance (including roof replacement)
 - restoration
 - essential works to:
 - prevent serious damage to buildings and structures (including contents)
 - preserve public health and safety
 - enable continued appropriate use of the building or structure

☐ Applications to maintain, repair, improve public buildings or develop public land

Public buildings and public land includes buildings and land owned or leased by the government, their departments, agencies and arm's length bodies, such as:

- schools (state funded and academies only)
- hospitals
- prisons
- courts
- airfields

You don't need to include a reasoned statement where bats and their roosts will be affected by:

- repairs and maintenance
- restoration
- renovation

- redevelopment of an existing building(s), which may include demolition before redevelopment, as long as it remains in use as a public building
- extending or adding new buildings within the grounds of the existing developed site
- essential works to:
 - prevent serious damage to buildings (including contents)
 - preserve public health and safety
 - allow the building to be continued to be used as it was intended

Extending public buildings beyond existing boundaries, changing them to private use, or developing land for private use will need a reasoned statement with your application.

If you have selected one of the above exceptions, please provide details of how the proposed works meet the exception criteria:

(m) Does your application affect a regionally or nationally important population of a European Protected Species?

☐ Yes ☐ No

*If 'Yes' to (m) **and** a Reasoned Statement is **not required** ...* (n) You must consult Natural England for advice before making an application. Please give either the outcome of your consultation (with details of who you consulted) or the reason why you have not consulted us

12. 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:

Planning Inspectorate

*Title

*Forename

*Surname

*Position

Not yet allocated

Email Address:

TBC

Telephone Number

Address

Major Applications & Plans
3/18 Eagle Wing
The Planning Inspectorate

13. Method Statement and Charge Form

A Method Statement must be provided to support this application including a Charge Form, along with other supporting documents, which may include some or all of the following:

- Maps
- Figures
- Habitat management and maintenance plans
- Master plan
- Appended survey results
- A work schedule

Please note: The Method Statement and Charge Form should be prepared by a consultant ecologist or another suitably qualified person because compiling the content requires specific species and site-related knowledge.

Further Advice: Copies of the latest versions of templates for all species and further guidance to help you complete them are available on our [website](#).

14. Supplementary Information

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

15. Data Protection

The data controller is the Natural England, Foss House, Kings Pool, 1-2 Peasholme Green, York, Y01 7PX. You can contact the Natural England Data Protection Manager at: Natural England, County Hall, Spetchley Road, Worcester, WR5 2NP; foi@naturalengland.org.uk.

Any questions about how we are using your personal data and your associated rights should be sent to the above contact. The Data Protection Officer responsible for monitoring that Natural England is meeting the requirements of the legislation is: Defra group Data Protection Officer, Department for Environment, Food and Rural Affairs, SW Quarter, 2nd floor, Seacole Block, 2 Marsham Street, London SW1P 4DF.

DefraGroupDataProtectionOfficer@defra.gsi.gov.uk

The information on the licence application form and any supporting material will be used by Natural England to undertake our licensing functions. This will include, but is not limited assessing your application, issuing a licence

if applicable, monitoring compliance with licence conditions and collating licence returns and reports. The personal information we will process will include, but is not limited to your name and contact details, customer type and reasons for wanting a licence. Processing is necessary for the performance of a task carried out in the public interest or in the exercise of official authority vested in the data controller. That task is to conduct the licensing functions as delegated by Defra to Natural England under Part 8 Agreement under section 78 of the Natural Environment and Rural Communities Act 2006.

The processing by us of personal data relating to wildlife-related or animal welfare offences or related security measures is carried out only under official authority. This information is used in assessing an application as it is a material fact. Natural England will for particular licence applications and at specific stages of the licensing process discuss your application with third parties. The details of this sharing are set out here <https://www.gov.uk/government/publications/wildlife-licensing-privacy-notice>.

Your personal data will be kept by us for 7 years after the expiry of your licence or longer if stated in the licence conditions.

Failure to provide this information will mean that we will be unable to assess your application for a wildlife licence. The information you provide is not connected with individual decision making (making a decision solely by automated means without any human involvement) or profiling (automated processing of personal data to evaluate certain things about an individual).

The data you provide will not be transferred outside the European Economic Area.

A list of your rights under the General Data Protection Regulation, the Data Protection Act 2018, is accessible at: <https://ico.org.uk/for-organisations/guide-to-the-general-data-protection-regulation-gdpr/individual-rights/>.

You have the right to lodge a complaint with the ICO (supervisory authority) at any time. Should you wish to exercise that right full details are available at: <https://ico.org.uk/for-organisations/guide-to-the-general-data-protection-regulation-gdpr/individual-rights/>.

Details of our Personal Information Charter can be found at: <https://www.gov.uk/government/organisations/natural-england/about/personal-information-charter>.

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.

16. Declaration

16a. Applicant Declaration

*Have you or any person listed in the application been convicted of any wildlife-related or animal welfare offence?

☐ Yes ☐ No

If 'Yes' to
(16a)

Please provide details of the convictions:
(including dates)

The offences we are referring to relate to persons convicted on or after 1 January 2010 of an offence under the Wildlife and Countryside Act 1981, the Conservation (Natural Habitats &c.) Regulations 1994, the Conservation of Habitats and Species Regulations 2017 (as amended), the Protection of Badgers Act 1992, the Deer Act 1991, the Hunting Act 2004, the Wild Mammals (Protection) Act 1996, the Animal Welfare Act 2006 and the Protection of Animals Act 1911 (all as amended). You do not have to declare conviction if the person concerned is: (1) a rehabilitated person for the purposes of the Rehabilitation of Offenders Act 1974 and their conviction is treated as spent; or (2) in respect of such an offence, a court has made an order discharging them absolutely.

16b. 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 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 confirm that there is no satisfactory alternative to meet the need/resolve the problem detailed in this application.
- ☐ 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:

16c. Ecologist Declaration

- ☐ I have read and understood the privacy notice above.
- I confirm that I have visited the site(s).

- I confirm that I have visited the site(s).
- I have designed and inputted into the licence proposal.
- I confirm that there is no satisfactory alternative to meet the need/resolve the problem detailed in this application
- I am satisfied that the proposal will result in no adverse impact on the species concerned
- I declare the particulars given are correct to the best of my knowledge and belief, and the applicant may apply for a licence in accordance with information I have provided
- I have documentary evidence that I am authorised to act on behalf of the applicant that I will supply to Natural England on request.

☐ 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:

17. 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. However, all persons authorised to act under the licence must comply with the licence and its conditions (see Regulation 60(1) of the 2017 Regulations (as amended)). 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 at: 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.

Bat Roost Definitions

Day roost: a place where individual bats, or small groups of males, rest or shelter in the day but are rarely found by night in the summer.

Night roost: a place where bats rest or shelter in the night but are rarely found in the day. May be used by a single individual on occasion or it could be used regularly by the whole colony.

Feeding roost: a place where individual bats or a few individuals rest or feed during the night but are rarely present by day.

Transitional / occasional roost: used by a few individuals or occasionally small groups for generally short periods of time on waking from hibernation or in the period prior to hibernation.

Swarming site: where large numbers of males and females gather during late summer to autumn. Appear to be important mating sites.

Mating sites: where mating takes place from later summer and can continue through winter.

Maternity roost: where female bats give birth and raise their young to independence.

Hibernation roost: where bats may be found individually or together during winter. They have a constant cool temperature and high humidity.

Satellite roost: an alternative roost found in close proximity to the main nursery colony used by a few individual breeding females to small groups of breeding females throughout the breeding season.

Other - if applicable this will be specified in special condition 7.

For the purpose of this licence the following licensed methods are defined as:

Destructive search by soft demolition: the taking apart of a bat structure in a controlled and careful manner by hand, or in some instances with the assistance of hand-held tools and machinery, under direct ecological supervision. Only the Named Ecologist, Accredited Agent or a directly supervised Assistant may take any bats found.

Mechanical demolition: destruction of a structure that previously supported a bat roost using mechanical means after the structure has been declared free of bats by the Named Ecologist or Accredited Agent. Mechanical demolition usually is preceded by a soft demolition exercise or completion of an exclusion process.

Draft Bat Licence

A1 in Northumberland: Morpeth to Felton - Building B4a

METHOD STATEMENT

Bats – Method Statement template to support a licence application

The Method Statement will be used to determine the impact of the proposal on the favourable conservation status (FCS) of the species concerned (Regulation 55(9)(b)).

You are strongly advised to refer to the Bat Mitigation Guidelines.

Please use recent photographs to support your application.

Wildlife Licensing
Natural England
Horizon House
Deanery Road
Bristol
BS1 5AH.
T. 020802 61089

Important advice:

The format below must be used. Please enter text below each heading keeping information as concise as possible.

All maps/figures that will become part of any annexed licence granted must be submitted as separate documents (with the site name and date included on the map/figure. See section I for list – all others may be included within the Method Statement document (e.g. survey maps/figures) if preferred).

A separate work schedule must also be submitted on form WML-A13a-E5a&b to accompany the Method Statement.

A Executive summary

Provide an overview (no more than 1 side of A4) of what works are proposed and how the impacts identified will be addressed in order to ensure no detriment to the maintenance of the population at a favourable conservation status.

This method statement has been developed in relation to the destruction of a common pipistrelle *Pipistrellus pipistrellus* day roost situated in a building (B4A), which will be demolished as part of the A1 in Northumberland: Morpeth to Felton (the “Scheme”). The Scheme is an NSIP and this method statement is intended to inform the DCO application for the Scheme only and not a European Protected Species (EPS) licence application. A future EPS licence application following DCO approval would be subject to update surveys. The EPS licence application would be informed by this method statement and appropriate updates at detailed design.

The building that requires demolition and the subject of this method statement will hereafter be referred to as ‘B4A’. Surveys undertaken in 2017 recorded a common pipistrelle day roost supporting a single bat. In the absence of mitigation, the demolition of building B4a would result in the permanent loss of a low conservation status common pipistrelle roost and, potentially, the injury or killing of bats.

Suitable mitigation measures will be used to ensure building B4a is made unsuitable for roosting bats prior to demolition between April and October (inclusive), in suitable weather conditions when bats are active. This exclusion timeframe avoids the core hibernation period when bats are most likely to be inactive and most at risk. Mitigation measures may, if required, include a pre-construction dusk emergence and dawn re-entry survey supplemented by an infra-red camera, where considered necessary, capture methods (hand net only) and/or use of ‘one-way’, exclusion devices. This list of methods provides flexibility in approach and the most appropriate approach will be completed. Selection of approach will be based on the experience of the named ecologist and the construction requirements. The proposed mitigation methods shall be confirmed within the future licence application.

To compensate for the loss of the roost, three bat boxes shall be attached to suitable trees in the woodland adjacent to B4A; erected prior to the commencement of works.

B Introduction

B1 Background to activity/development:

Include a brief summary of:

- Why the activity and a licence are necessary (*e.g. bridge structure repairs are required and will affect a known maternity roost of Daubenton's bats, which will be temporarily lost whilst works are being undertaken; renovation works to an office building will result in the permanent loss of three day roosts of common pipistrelle bats; demolition of an existing hospital to be replaced with flats will result in the loss of a brown-long eared bat maternity roost*).

The wider development (the Scheme) is entitled: A1 in Northumberland: Morpeth to Felton.

The Scheme aims to enhance resilience along an approximately 12.6km section of the existing A1 between Morpeth and Felton in Northumberland, by widening the single carriageway to a dual carriageway. It includes approximately 6.1km online widening and approximately 6.5km of new offline highway. The Scheme also aims to improve journey times and safety along the route. The boundary of the Scheme is taken as the temporary boundary during the construction phase (red line boundary). The Scheme requires the demolition of a three-storey, stone built residential building. The demolition of this building will result in the permanent loss of a low status day roost for common pipistrelle.

- Include current status of planning permission (if applicable) *e.g. full planning permission with all relevant wildlife conditions discharged; permitted development; demolition with prior notification of demolition issues resolved*. If the proposal is for demolition only of a structure supporting a bat roost/s, please confirm whether there are plans to develop the site in the future and if so when

No consents are currently in place. The Scheme is an NSIP and this method statement is intended to inform the DCO application for the Scheme only and not a European Protected Species (EPS) licence application. A future EPS licence application following DCO approval would be subject to update surveys. The EPS licence application would be informed by this method statement and appropriate updates at detailed design.

B2 Relationship with other nearby development and cumulative impacts

B2.1 Is the current application part of a larger development project? For example, is it part of a phased or multi-plot housing development that will require more than one bat licence? Enter Yes, No or N/A in the text box below. If yes, note a separate **master plan** document will be required.

No.

Important Advice: If yes to the above, please note that sections in this Method Statement on impact assessment and mitigation measures must explicitly relate *only* to impacts from the works currently proposed.

A project-wide master plan must detail the overall impact assessment and mitigation and explain where, and why, each of the bat licences will be required. The master plan must be included as a separate document to this application: see http://www.naturalengland.org.uk/Images/WML-G11_tcm6-9930.pdf for details that are to be included in this separate document. The separate master plan is expected to take due regard of the overall project to ensure that in-combination effects are considered, and mitigation and compensation measures are both sufficient and coherent.

If the current development is part of a larger development project, summarise very briefly here how the current application relates to the larger project and how the in-combination effects are considered and mitigation/compensation is sufficient.

N/A.

Important Advice: to accompany this Method Statement also include Figure. B2.1 for a Master plan overview - and see section I "Map checklist" at the end of this document.

B2.2 Apart from any mention in B2.1, please inform us of any past or future development or other projects (in the last 5 years or next 5 years) in the vicinity which may have significantly impacted or are likely to significantly impact on the same population/s of bats as this application (e.g. loss of maternity or hibernation roosts). You must make reasonable efforts to establish this, including discussions with your client and the Local Planning Authority – stating below what you undertook. A brief summary of the project/s should be provided including the site name and location, dates and if known the licence reference number(s).

Please note we are not expecting details of every licence/planning permission issued within the vicinity of the site – we are only concerned with projects that have the potential to significantly impact or have impacted on same population of bats (maternity and hibernation roosts). Note: Natural England is aiming to make available licensing records from the last 5 years publically available.

An assessment using data from Multi Agency Geographic Information for the Countryside (MAGIC) mapping application found three granted EPS licences within 2km of B4A within the past 5 years.

The closest licence application for common pipistrelle (also for soprano pipistrelle) is located approximately 900m to the south (2015-8305-EPS-MIT), which permitted the destruction of a resting place(s).

In addition, two licences were approximately 1.5km to the southeast. The first, associated with common pipistrelle only (2014-5197-EPS-NSIP1), permitted the damage and destruction of a resting place(s). The second; a licence which also included Brandt's, Natterer's and soprano pipistrelle (2017-2858-EPS-MIT); permitted the destruction of a breeding site(s) and resting place(s).

Due to the proximity of these granted licences, it is possible that the licenced activities will have impacted the same population of bats that this method statement concerns.

To ensure any potential impacts are considered, prior to issue of a future licence application, the local planning authority will be contacted for information relating to planning applications concerning common pipistrelle in the vicinity. In addition, an updated assessment of EPS licences shall also be undertaken.

Important Advice: locations of other bat mitigation sites that may have significantly impacted or are likely to significantly impact on the same population/s of bats as this application must be shown on Figure B2.2.

C Survey and site assessment (also see section 5 of the Bat Mitigation Guidelines)

C1 Pre-existing information on the bat species at the survey site:

Please undertake a historical data search within a 2km search radius and provide a summary of the results of this search. For example, records from local environmental records centres, local bat groups and previous survey work undertaken at the site is all relevant. Please briefly comment on the results in relation to your project/site

- Should no historical records be found from your search please state this – and specify what searches you undertook.
- Note that you must not include records from National Biodiversity Network (NBN) without first obtaining written permission from the relevant Data Provider.

Data provided by the Environmental Records Information Centre North East (ERIC North East) and Northumberland Bat Group in 2016 for a 5km search area from the Scheme returned 186 bat roosts of 8 confirmed species. Species include: common pipistrelle, soprano pipistrelle *Pipistrellus pygmaeus*, noctule *Nyctalus noctula*, whiskered/ Brandt's bat *Myotis mystacinus/ brandtii*, Daubenton's bat *Myotis daubentonii*, Natterer's bat *Myotis nattererii*, brown long-eared bat *Plecotus auritus* and Nathusius' pipistrelle *Pipistrellus nathusii*.

Leisler's bat *Nyctalus leisleri* was also present in the data set, although no roost records were indicated.

Survey work in 2017 and 2018 undertaken to identify bat roosts potentially impacted by the Scheme, recorded 12 bat roosts within the surveyed area (Scheme plus 100m). Overall, the roosts within the area surveyed collectively supported four common pipistrelle bats, 11 soprano pipistrelle bats and three brown long-eared bats.

Bat activity survey work in 2017 within the Scheme plus 500m, recorded foraging and commuting activity for common pipistrelle, soprano pipistrelle, noctule, brown long-eared bat and *Myotis* species.

For records from the immediate 2km around B4a, the desk study data returned 11 bat roosts of six species. Species include brown long-eared bat, common pipistrelle, Natterer's bat, noctule bat, soprano pipistrelle, whiskered/Brandt's bat from two locations approximately 1.5km north and 1.5km south of the Site. From the recent survey work, a common pipistrelle roost is located approximately 1km north.

Fieldwork undertaken on B4A, and fully detailed in the baseline report (Annex H1.2; representing **Appendix 9.8: Bat Activity Survey Report** of Volume 3 of the ES (**Application Document Reference: TR010041/APP/6.3**)), identified a single day roost for common pipistrelle. This method statement is intended to address the impact to the bat roost, detailing appropriate mitigation and compensation.

C2 Status of the bat species: Detail conservation status at the local, county and regional levels. Please complete the following table, justifying your assessment, and add additional lines where necessary. If the status is unknown then please enter 'unknown'.

Species	Conservation status assessment		
	Local	County	Regional
Common pipistrelle	Common	Common	Common and widespread

* **Please note** that you can add more rows to the table: right click in any cell choose Insert > Insert rows below.

C3 Objectives of the survey to inform this proposal: Please complete the following table, entering 'Yes', 'No' or N/A' to indicate the objective of your survey and provide comments/explanation where necessary:

Survey objective	Yes / No / N-A	Comments
Determine presence / absence of bats	Yes	
Determine bat usage of site (e.g. maternity, hibernation, night roosts in various structures (specify)).	Yes	
Identify foraging, commuting or swarming sites (explain)	N/A	
Other (explain)	N/A	

C4 Site/habitat description: Please provide:

- Brief descriptions of the site, including total size of the development site (ha) (most often within the red line planning boundary) and areas of the site with potential value to bats (ha).

It is important to note that building B4a is located at the southern end of the Scheme. The Order Limits encompasses approximately 242 ha of land, which includes the following potential foraging and commuting habitat for bats: woodland, hedgerows, scrub, scattered trees/parkland, grasslands (marshy, poor semi-improved and neutral semi-improved), standing water and running water.

Habitats surrounding building B4a include grazed pasture (improved grassland), arable fields, private gardens (amenity grassland), hedgerows, scattered trees, plantation woodland and road. There are also various structures present to the east. Hedgerows and scattered trees provide foraging and community corridors for bats. The woodland plantation scattered trees and structures provide potential roosting habitat. However, building B4a and its immediate surroundings are exposed to disturbance

effects from the adjacent A1, which reduces the habitat suitability for bats (Berthinussen and Altringham, 2012). This is considered to create an impact on both the species composition and overall activity levels.

- Brief descriptions of the structures on site, differentiating between **those surveyed** and **not surveyed**, with an explanation why. Ensure structures are referenced and consistently indicated on relevant figures and tables.

All accessible buildings and structures within 100m of the Scheme (the “Survey Area”) were subject to a preliminary bat roost assessment (PBRA) between March and December 2016 (including B4a), with a mop-up survey of several buildings undertaken between June and July 2018. The PBRA identified bat suitability and was used to inform further survey.

Dusk emergence/dawn re-entry surveys were undertaken between May and early October 2017 (including B4a), with mop-up surveys undertaken between June and September 2018. The level of survey effort was in accordance with BCT good practice guidelines.

Overall, 12 bat roosts were recorded within the Survey Area, associated with roosts in buildings/structures and trees. The roosts collectively supported four common pipistrelle, 11 soprano pipistrelle and three brown long-eared bats.

Of the roosts recorded, only the common pipistrelle day roost in B4a is due to be lost. All other roosts are retained within the Scheme and appropriate mitigation has been developed. Full details of the surveys undertaken, the impact assessment and the mitigation proposed is detailed within **Chapter 9: Biodiversity** of Volume 1 of the Environmental Statement (ES) (**Application Document Reference: TR010041/APP/6.1**), which has been reviewed by and agreed with Natural England.

Building B4A is the only building in which a roost was recorded that requires an EPS licence. This method statement informs the contents of a future licence application.

Building B4A is a detached three-storey dwelling, less than 100 years old. The building was approximately 15m high, 20m long and 20m wide, and was constructed from stone with both uPVC and wooden-framed windows. The roof comprised both double pitched and single pitched sections covered with slates. For full details see Annex H1.1; representing **Appendix 9.7: Bat Roost Potential Survey Report 2017** of Volume 3 of the ES (**Application Document Reference: TR010041/APP/6.3**).

- A description of adjacent areas/offsite habitats, specifying any relevance to bats, including descriptions of habitat/s relevant to bat commuting/foraging behaviour.

The habitats surrounding the Scheme are primarily grazed pasture (improved grassland) and arable fields.

Hedgerows, lines of trees and woodland adjacent to the Scheme provide connectivity to habitats within the wider landscape, including foraging and commuting habitat. The woodland plantation scattered trees and structures provide potential roosting habitat.

The Order Limits and surrounding surveyed habitats (Scheme plus 500m) were classified as being of Moderate habitat suitability and bat activity surveys were undertaken between April and October 2017. This included walked transects and automated detector surveys. The surveys recorded foraging and commuting activity by common pipistrelle, soprano pipistrelle, noctule, brown long-eared bat and *Myotis* species.

- Please also include annotated (cross reference the structures) and dated photographs (showing both internal and external survey areas) as these are very useful as an assessment aid. These can be inserted below or submitted as a separate (referenced) document.

This information is contained within Annexes H1.1, H1.2 and H1.3; representing **Appendices 9.7, 9.8 and 9.9** of Volume 3 of the ES (**Application Document Reference: TR010041/APP/6.3**), referenced

throughout this method statement.

The future licence application would be supported by update survey information.

C5 Field survey(s):

Surveys must be up to date and have been conducted within the current or most recent optimal season. Surveys must be undertaken in accordance with the most up to date edition of the Bat Conservation Trust (BCT) *Bat Surveys for Professional Ecologists – Good Practice Guidelines* and the *Bat Mitigation Guidelines*.

C5a Justification for surveys that deviate from the best practice guidelines: Please provide full justification below if your surveys deviate from the aforementioned best practice guidelines, confirming how you have obtained a full appreciation of the bat species roosting at the site, and of the type and status of roosts they use on site and in the context of the immediate surrounding area. **Please note that inadequate survey information is likely to cause delays to your licence application and may result in a Further Information Request.**

N/A.

This is a NSIP application and the licence will be applied for once the DCO is in place. The future licence application would be supported by updated surveys in accordance with good practice.

C5b Please complete the following tables and add additional lines where necessary (*right click in any cell outside the grey box area. Choose Insert > Insert rows below*). Please enter 'N/A' if the table is not applicable to your survey. Please ensure the information is consistent with Figure C5b (showing all buildings, structures and habitats that are within the survey area and distinguishing those that were surveyor and those that were not; indicate where surveyors were located):

Visual inspection

Date of each survey visit (e.g. format 01/06/13)	Structure reference / location	Equipment used (e.g binoculars, endoscope)	Weather – (Include temps, precipitation, Beaufort wind scale etc)
21-23/03/16; 17-19/08/16 or 5-6/12/16	B4A / NZ 1820 8866	NA	Not available

Comments (to include # of surveyors used for each visit):

Information in this section was obtained from Annex H1.1; representing **Appendix 9.7** of Volume 3 of the ES (**Application Document Reference: TR010041/APP/6.3**). Weather information and number of surveyors were not documented within the report. However, this is not considered to have impacted this method statement. All information would be provided within the future licence application following update surveys.

Please provide surveyors names (*including Class Licence registration number if applicable*) and ensure the above table states the number of surveyors used for each survey visit undertaken.

The bat activity survey report (Annex H1.1; representing **Appendix 9.7** of Volume 3 of the ES (**Application Document Reference: TR010041/APP/6.3**)) stated that the survey was undertaken by a class licenced ecologist, although their registration number was not presented. However, this is not considered to have impacted this method statement. This information would be provided within the future licence application following update surveys.

Dusk survey

Date of each survey visit (e.g. format 01/06/13)	Start and end times and time of sunset	Structure reference / location	Equipment used (include make of bat detectors and logging equipment)	Weather – (Include start and end temps, precipitation, Beaufort wind scale etc)
25/06/17	Start time: 21:21 End time: 23:51 Sunset: 21:51	B4A / NZ 18200 8866	Wildlife Acoustics EchoMeter Touch detectors connected to an iPad 2 air or iPad mini 2. Some of the surveys were potentially completed using Anabat Express detectors or EchoMeter 3 units with integral recording capabilities, or, Batbox duet detectors connected to a H2 Zoom recorder	14.3/14.5, calm/calm, Dry/light rain
Comments (to include # of surveyors used for each visit): 4 surveyors (names not confirmed).				
12/07/17	Start time: 21:11 End time: 23:41 Sunset: 21:41	B4A / NZ 18200 8866	Wildlife Acoustics EchoMeter Touch detectors connected to an iPad 2 air or iPad mini 2. Some of the surveys were potentially completed using Anabat Express detectors or EchoMeter 3 units with integral recording capabilities, or, Batbox duet detectors connected to a H2 Zoom recorder	12/10, light/calm, dry/dry
Comments: 4 surveyors (names not confirmed).				

Please provide surveyors names (including Class Licence registration number if applicable) and ensure the above table states the number of surveyors used for each survey visit undertaken.

Information in this section was obtained from Annex H1.1; representing **Appendix 9.7** of Volume 3 of the ES (**Application Document Reference: TR010041/APP/6.3**). The report stated that the survey was led by a class licenced ecologist, although their registration number and names of other surveyors were not presented. However, this is not considered to have impacted this method statement. This information would be provided within the future licence application following update surveys.

Dawn survey

Date of each survey visit (e.g. format 01/06/13).	Start and end time and time of sunrise	Structure reference / location	Equipment used (include make of bat detectors and logging equipment)	Weather – (Include start and end temps, precipitation, Beaufort wind scale etc)
31/08/17	Start time: 04:11 End time: 06:26	B4A / NZ 18200 8866	Wildlife Acoustics EchoMeter Touch	12.5/9.7, calm/calm, dry/dry

	Sunrise: 06:11		detectors connected to an iPad 2 air or iPad mini 2. Some of the surveys were potentially completed using Anabat Express detectors or EchoMeter 3 units with integral recording capabilities, or, Batbox duet detectors connected to a H2 Zoom recorder	
Comments (to include # of surveyors used for each visit): 4 surveyors (names not confirmed).				

Please provide surveyors names (*including Class Licence registration number if applicable*) and ensure the above table states the number of surveyors used for each survey visit undertaken.

Information in this section was obtained from Annex H1.1; representing **Appendix 9.7** of Volume 3 of the ES (**Application Document Reference: TR010041/APP/6.3**). The report stated that the survey was led by a class licenced ecologist, although their registration number and names of other surveyors were not presented. However, this is not considered to have impacted this method statement. This information would be provided within the future licence application following update surveys.

‘Other’ survey (please specify e.g. trapping, remote, etc)

Date of each survey visit (e.g. format 01/06/13).	Start and end times	Structure reference / location	Equipment used (include make of bat detectors and logging equipment)	Weather – (Include start and end temps, precipitation, Beaufort wind scale etc)
NA	NA	NA	NA	NA
Comments (to include # of surveyors used for each visit): NA				

Please provide surveyors names (*including Class Licence registration number if applicable*) and ensure the above table states the number of surveyors used for each survey visit undertaken.

NA

Please explain any constraints on the survey/s undertaken (time of year, cold weather, refused access, safety issues preventing access etc – justify as necessary and include evidence where required). If access was refused please provide evidence (letter/email) to demonstrate this.

For the initial external inspection, the building was assessed from a distance due to access restrictions. The correspondence detailing the lack of access is not available. No internal surveys were undertaken within the building. However, as dusk/dawn surveys were subsequently undertaken, these limitations have not impacted the overall survey conclusions. The dawn and dusk surveys were undertaken in accordance with best practice guidelines.

Also complete the following:

- If DNA analysis of droppings has been undertaken, please indicate below (Yes, No, N/A) and ensure that **Figure C5b** (if applicable – see below) details the locations where the samples were taken. Where long-eared bats are detected but cannot be identified to species level visually, DNA analysis of any droppings will be needed where grey long-eared bats may be present.

NA

- Please confirm that a walk over survey/check has been carried out within 3 months *prior* to application submission by a suitably experienced ecologist to ensure that conditions have not changed since the most recent survey was undertaken. Provide details of any changes to conditions and habitats and/or structures on site since the surveys were undertaken.

Date of walkover survey/check	N/A – a walkover survey/check would be completed within 3 months of the future licence application.
Details of any changes to conditions and habitats and/or structures, if there are no changes please insert 'None'	N/A until detailed design stage

C6 Survey results: Summarise your findings in the tables below and cross reference to **Figure C6** (which must also include flight lines, access points, dimensions of existing roosts etc). If you did not undertake a specific survey type please add N/A to the relevant table/s. Raw data is to be appended to the Method Statement (including sonograms, DNA analysis results etc).

Roost types to be referenced as: *Day, Night, Feeding Perch, Transitional, Satellite, Maternity, Hibernation confirmed, Foraging Area, Commuting Route, Swarming Site, Other.* See end of document for “Definitions” of these roosts.

When completing “**Notes/observations**” include reference to direct observations, extent and age of droppings, presence of field signs, emergence or re-entry, echolocation analysis. Also include DNA results if applicable and include nil results)

Visual inspection results

Date (e.g. format 01/06/13)	Species and numbers	Roost type (to be consistent with the above listed types)	Structure reference (consistent with relevant figures and other text)	Roost location	Access points (include # of them)	Dimensions of existing roosts or explanation of where the roost is (as appropriate)
21-23/03/16; 17-19/08/16 or 5-6/12/16	None recorded	None recorded	B4A	None recorded	None recorded	None recorded
Notes/observations:						

Provide further (brief) comments/explanation if required:

N/A

Dusk survey results

Date (e.g. format 01/06/13)	Start and end times	Species and numbers	Roost type (to be consistent with the above listed types)	Structure reference (consistent with relevant figures and other text)	Roost location	Access points (include # of them)	Dimensions of existing roosts or explanation of where the roost is (as appropriate)
25/06/17	Start time: 21:21 End time: 23:51	Common pipistrelle Roost, 1 individual	Day	B4A / NZ 18200 8866	Bottom of easterly soffit board on the north facing gable wall	1, Bottom of easterly soft board on the north facing gable wall	Bottom of easterly soffit board on the north facing gable wall
Notes/observations: Emergence of a single common pipistrelle for the roost access point detailed above. Common pipistrelle, soprano pipistrelle, noctule and <i>Myotis</i> species were recorded foraging during the survey							
12/07/17	Start time:	Common	Day	B4A / NZ	Bottom of	1, Bottom	Bottom of

	21:11 End time: 23:41	pipistrelle Roost, 1 individual.		18200 8866	easterly soffit board on the north facing gable wall	of easterly soft board on the north facing gable wall	easterly soffit board on the north facing gable wall
Notes/observations: Emergence of a single common pipistrelle for the roost access point detailed above. Common pipistrelle, noctule, brown long-eared bat were recorded foraging during the survey							

Provide further (brief) comments/explanation if required:

N/A

Dawn Survey results

Date (e.g. format 01/06/13)	Start and end times	Species and numbers	Roost type (to be consistent with the above listed types)	Structure reference (consistent with relevant figures and other text)	Roost location	Access points (include # of them)	Dimensions of existing roosts or explanation of where the roost is (as appropriate)
31/08/17	Start time: 04:11 End time: 6:26	None recorded	None recorded	None recorded	None recorded	None recorded	None recorded
Notes/observations: Common pipistrelle, soprano pipistrelle were recorded foraging during the survey							

Provide further (brief) comments/explanation if required:

N/A

'Other' results – please specify.

Date (e.g. format 01/06/13)	Species and numbers	Roost type (to be consistent with the above listed types)	Structure reference (consistent with relevant figures and other text)	Roost location	Access points (include # of them)	Dimensions of existing roosts or explanation of where the roost is (as appropriate)
N/A						
Notes/observations:						

Provide further (brief) comments/explanation if required:

C7 Interpretation/evaluation of survey results (also see the Bat Mitigation Guidelines section 5.8 and Figure 4 for conservation significance of roost type): Please complete the following table:

Structure reference (ensure consistency with other text and Figures)	Species	Count / estimate of number of individuals	Roost location	Site status assessment (e.g. maternity, feeding roost, swarming site, hibernation confirmed etc)	Conservation significance of roost
B4A	Common Pipistrelle	1	Bottom of easterly soffit board on the north facing gable wall	Day/summer roost	Low

Provide further (brief) comments / explanation if required:

Important Advice:

Survey maps that must be included in this section of the Method Statement, or as separate documents if preferred, are listed in *section I "Map checklist" at the end of this document.*

Insert survey figures, photographs etc below here if not submitting them as separate documents:

D Impact assessment in absence of mitigation or compensation for each species / roost type

(also see section 6 of the Bat Mitigation Guidelines). Where appropriate you must take into consideration cumulative impacts of your proposals on the bat species and populations identified in your survey in each section.

Guidance on quantifying roosts for the purpose of licensing: *To be considered the same roost, the locations need to have the same **functional** and **qualitative** (e.g. physical) characteristics, be used by the **same species** for the **same purpose** (e.g. day roosting) and be within the **same building / structure**. If the physical characteristics are different (e.g. one roost is in external crevices in the wall and the other is in the roof void against internal timbers) then they should be considered different roosts - because they offer bats different roosting opportunities. If the physical characteristics are similar and provide the same functional characteristics, used by the same species for the same purpose (e.g. transitional roost) but with different individual roosting locations within the overall building / structure, that could be considered one transitional roost. If two species are using an area which provides the same characteristics, for the same function, it is still two roosts - as there are two species.*

D1 Initial impacts: The impact/s of activities undertaken on site pre-development and during works must be considered and explained. **Consider disturbance** (such as human presence, noise, vibration, dust, lighting, access obstruction due to scaffolding and plastic sheeting etc), **temporary damage and temporary loss of roosts and injuring/killing**.

E.g. Unsupervised contractor removing roof tiles has the potential to crush 3 common pipistrelle bats using the roof tiles as day roosts. Major negative impact at a site level; Demolition of an extension to a building will take place adjacent to a maternity roost of common pipistrelle bats situated under the soffit board of the retained building. Potential for significant disturbance if demolition works are undertaken during the maternity period through vibration, noise and dust. Medium negative impact on a local level.

The unsupervised demolition of B4A would result in the loss of a low status common pipistrelle day roost in the absence of protective measures. The demolition would potentially result in the killing and injury of at least a single common pipistrelle bat, if completed unsupervised and without mitigation.

Slight adverse impact at site level for common pipistrelle.

Pre-demolition works have the potential to disturb common pipistrelle bats due to the impact from demolition activity, including the increase presence of humans, noise, vibration, dust and light.

Confirm number of roosts to be damaged: 1 common pipistrelle day roost lost supporting a single bat

D2 Long-term impacts: Consider and explain the impacts of the proposed works on the different species populations at a site, local, regional, and national level.

D2.1. Roost modification: e.g. changes to roosts/access points, new entrances (including human access e.g. for servicing/maintenance etc), change in size of roost space, changes in air flow, temperature and humidity, light etc. Please detail the access points into each roost and the type/s of roosts which will be modified.

E.g. Non-mitigated changes to the roof structure, which requires replacing, will lead to the modification of 3 access points into a common pipistrelle maternity roost which will result in bats being unable to enter or exit the roost. Moderate negative impact on a local level.

As B4A, will be demolished, the associated common pipistrelle day roost will be lost rather than modified.

Confirm number of roosts to be modified: 0

D2.2. Roost loss: Loss or deterioration of roosting sites, access points, habitat, etc must be considered. Please detail the access points into each roost and types of roost/s which will be lost.

E.g. Demolition of building reference X in June will lead to the loss of a night roost in the porch used by 1 lesser horseshoe bat and the loss of a maternity brown-long eared bat roost in the loft space. This will lead to the death and/or injury of bats including dependent young and permanent destruction (loss) of both roosts. Moderate negative impact at a site level for lesser horseshoe bats and moderate negative impact at a local level for brown-long eared bats.

The unsupervised demolition of B4A would result in the loss of a low status common pipistrelle day roost in the absence of protective measures. The demolition would potentially result in the killing and injury of at least a single common pipistrelle bat, if completed unsupervised and without mitigation.

Slight adverse impact at site level for common pipistrelle.

Confirm number of roosts to be destroyed: 1 common pipistrelle roost lost supporting a single bat

D2.3. Fragmentation and isolation: Will the proposed works results in these impacts? E.g. loss of linear features such as hedges, tree lines, increased lighting, severance of flight lines by roads/rail lines, separation of breeding/hibernation sites from feeding grounds, etc.

E.g. In addition to the removal of common pipistrelle day roosts in trees along the proposed road, removal of hedgerows, shown on Figure D, and the construction of the new road will fragment a significant commuting and foraging route for a lesser horseshoe maternity roost. This may cause a reduction in the long term success of the breeding colony of lesser horseshoes by restricting existing foraging range or killing bats on the road. Potentially major negative impact at a site and local level.

In addition to the destruction of a common pipistrelle day roost due to the demolition of B4A, the Scheme would result in habitat alterations and an increase in the dimensions of the road adjacent to B4A.

Hedgerows and scattered trees running adjacent to the road may be lost, reducing commuting and foraging opportunities for bats present within the immediate landscape. This may potentially result in the fragmentation of any remaining bat populations utilising the surrounding habitats. The dimension alterations of the road may result in the road become less crossable by bats, thus resulting in fragmentation for bat populations utilising the surrounding habitats.

However, as the current roost in B4a will be lost via the demolition of B4A (as assessed above) prior to the alterations to the adjacent road, no additional impacts to this roost are relevant.

D3 Post-development interference impacts: e.g. extra street lighting or other external lighting, use of loft space as storage, increased noise. Please also consider other direct or indirect post development impacts which may include disturbance/ injuring/killing.

E.g. Security lighting being installed will shine on the brown-long eared bat maternity roost access points which may affect emergence patterns and lead to a reduction in foraging times. This may cause a reduction in the long term success of the breeding colony or cause the roost to be abandoned. Moderate to high negative impact at a site and local level.

Given the demolition of B4A would result in the total loss of the existing roost, the impacts of which are assessed above, no additional impacts are relevant.

Negligible impact, following planned demolition.

D4 Predicted scale of impact of this development/activity on species status (also see section 6.5 of the Bat Mitigation Guidelines and the BCT's Bat Survey Good Practice Guidelines): Please complete the following table to explain what this is likely to be at the site, local/county and regional levels for each roost type and species. Add additional lines when necessary

Roost types to be referenced as: Day, Night, Feeding Perch, Transitional, Satellite, Maternity, Hibernation confirmed, Foraging Area, Commuting Route, Swarming Site, Other.

Species and Numbers (which will be affected)	Roost type	Predicted scale of impact (<i>place X in relevant column</i>)			Notes (include impact on roost – damage / destruction /modification etc)
		Site	County	Regional	

at the time works will be undertaken)					
Common pipistrelle, 1	Day Roost	x			Destruction of roost in B4a

****Please note** that you can add more rows to the table: right click in any cell outside the grey box area. Choose Insert > Insert rows below.

Provide further comments/explanation as required (this helps understand how the impacts will be mitigated or compensated for when assessing section E):

N/A

Important Advice:

Please ensure that a separate 'Impact map' is provided ([Figure D](#)) which must show all structures or habitats (clearly referenced) that will be disturbed, damaged or destroyed, detailing where the roosts and access points are etc. Also see section I "Map checklist" at the end of this document.

E Mitigation and Compensation (please also see section 7 and 8 of the Bat Mitigation Guidelines)

E1 Please explain why this design was chosen over other potential solutions - set out what other designs were considered and why they were not feasible (e.g. if the proposal is to construct a new stand-alone roost, explain why it is not possible to retain the roost in the existing structure etc). The mitigation solution being proposed in the method statement should be the one that delivers the 'need' with the least impact on the bat population.

The destruction of B4A is necessary to facilitate the Scheme. Building B4A is located directly adjacent to the existing A1. The Scheme design at this location aims to increase/alter the dimensions of the existing road (widening).

It was considered that an alternative Scheme layout would not be practicable, due to the constraints of other buildings adjacent to the A1. For these reasons, it was not possible to retain the roost in the existing structure. The construction of a purpose-built structure to relocate the lost roost is not considered pragmatic or comparable given the species, character and size of the impacted roost.

E2.2 Capture and release (if applicable):

Please confirm that you agree to undertake the following procedures for the capture and exclusion of bats, where these are applicable:

- The use of endoscopes, artificial light from torches, destructive search by soft demolition (see Definitions), temporary obstruction of roost access, temporary or permanent exclusion methods (including installation) and use of static hand held nets must only be undertaken or directly supervised by the Named Ecologist, or an Accredited Agent.
- Where capture and/or handling of bats are necessary, only the Named Ecologist, Accredited Agent, or an Assistant directly supervised by the Named Ecologist may do so. Capture/handling/exclusion of bats must only be undertaken in conditions suitable for bats to be active.
- Where bats are discovered and taken (excluding unexpected discoveries during adverse weather conditions) they must either be relocated to an alternative roost (see Definitions) suitable for the species, or where bats are held this must be done safely and bats released on site at dusk in, or adjacent to, suitable foraging/ commuting habitat in safe areas within or directly adjacent to the pre-works habitat.
- Endoscopes and hand held nets are only to be used to assist with the locating and capture of bats.
- Temporary and permanent exclusion must be carried out using techniques specified in the most up to date edition of the 'Bat Workers Manual'. If one-way exclusion devices are to be used, each device must remain in position for a period of at least 5 consecutive days/ nights throughout a spell of suitable weather conditions, or remain longer until these conditions prevail.

- f. Prior to destructive works, an inspection using torches and/or an endoscope must be performed internally to search for the presence of bats. If any licensed vesper bat species is found and is accessible, each will be captured by gloved hand or hand-held net, given a health check and then each placed carefully inside a draw-string, calico cloth holding bag or similar for transport. If any licensed horseshoe bat species is found, the capture methods outlined in (h) will only be used after it has been shown that overnight dispersal or exclusion are no longer practicable methods.
- g. Following inspection and exclusion operations, the removal of any feature with bat roost potential, will be only performed by hand in suitable weather conditions and under direct ecological supervision. Where applicable, materials will be removed carefully away and not rolled or sprung to avoid potential harm to bats. The undersides of materials will be checked by the Named Ecologist or Accredited Agent for bats that may be clung to them before removal.
- h. For sites where the presence of horseshoe species has been confirmed, the following exclusion method will be used: prior to work commencing, the Named Ecologist or Accredited Agent will conduct a thorough internal inspection for the presence of horseshoe bats. Only after the void is shown to be unoccupied will the destructive search commence, or all apertures into that void be closed and sealed (windows, doors, etc) by use of boarding, sealed tarpaulin or similar.

If a horseshoe bat is encountered, it will be left undisturbed during daylight. After all bats have dispersed overnight, the void will be sealed as described above. If all bats have not emerged, the Named Ecologist will either use torchlight and non-tactile human presence to disturb the bat to encourage it to emerge and disperse, during night only, or through use of a hand held net. Only after all bats have emerged from the building or void will it be sealed.

Yes, I agree / No, I don't agree
Yes

If NO, please provide justification below. Please use this text box to describe any additional information on protocols to be employed if bats are found during works. Non-standard capture and exclusion apparatus must be shown on **Figure E2**.

--

Should your proposals include capture (taking) please specify numbers of each species that will be affected at the time the works are to be undertaken:

Species	Expected number of bats to be captured at the time works will be undertaken. <i>Note: this may be different to the number of bats using the roost at its optimum time as timings for works will be at a time when bats are least likely to be present.</i>
Common pipistrelle	1

*** Please note that you can add more rows to the table: right click in any cell outside the grey box area. Choose Insert > Insert rows below.*

E3 Bat roost and access point retention, modification and creation: Please detail how all impacts to each species (as identified in sections C and D) will be mitigated. If not applicable to your proposals please state 'N/A' in the relevant text boxes.

Please note that breathable roofing membranes must not be installed into a roof used by bats. If the use of roof membranes is necessary, only Bitumen type 1F felt with a hessian matrix will be permitted under licence:

N/A

E3.1 Retention of existing roost(s) – Works may include, for example, maintenance works that result in no material changes to the roost but may cause disturbance or temporary damage e.g. temporary exclusion of a roost to allow investigative and repair works to a bridge. Provide details of all works including:

- Number and description of roosts to be retained, with an explanation of how they will be retained. Confirm dimensions to be retained.

N/A

- Number of access/entrance points to be retained and how this will be achieved. If enhancements to the roosts will be provided, such as through crevice provision, please detail.

N/A

- Mitigation for any other impacts e.g. new lighting at the site.

N/A

E3.2 Modification of existing roost(s) - Works may include, for example, reduction in roof void height, change of tiles and roof lining (stating the type of membrane that will be used), alteration of access point through replacement of soffits etc. Please provide the following:

- Dimension details of modified roosts: clearly state what the original roost dimensions were and what the dimensions of the modified roost will be.

N/A

- Dimension details of modified access points: clearly state how the access points are being modified.

N/A

- Details of any other modifications to be made to roosts.

N/A

- Mitigation for any impacts of lighting on the modified roost/s if appropriate.

N/A

E3.3 New roost creation (including bat houses, cotes and bat boxes etc).

Note – creation of compensation for high impact cases (e.g. loss of a maternity roost) must be protected in the long term. Any bat boxes or roost structures that are part of a licence proposal which do not show signs of bats must be retained for a minimum of 5 years from date of completion of the development/works. Typically this will be around 5 years for low conservation status roost compensation (e.g. bat boxes) and longer for other significant roosts (e.g. bat houses, lofts etc). The exact time period will be specified in any licence issued. For high conservation status roost loss, the compensation roost/s must still be protected in the long term by another means (such as a s106 agreement), which is particularly important if the structure is likely to change ownership.

E3.3a Please complete the table below for the species and roost types listed. For all other species and roost types please provide information under **E3.3b**.

Species & Roost type for which new roost creation will be provided Select 'yes' for those species impacted or 'N/A' if not applicable to this application	New roost creation		
	Compensation should be in line with the <i>Bat Mitigation Guidelines</i> . Where compensation is being provided, there should be at least one compensation feature, suitable for the species concerned, per roost and per species to be impacted , OR If a proposal impacts more than one bat species and / or roost type then cumulative impacts must be considered when designing the compensation; this should always be in line with the species and / or roost type which will be subject to the greatest impact and ensure that the requirements of all species impacted are met.		
	Compensation Feature	Quantity	Location of Compensation Feature (as shown on Figure E3)

Common pipistrelle <input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A Day roost Night roost Feeding Transitional/Occasional	<input checked="" type="checkbox"/> Bat box <input type="checkbox"/> Integrated bat box/ bat brick/ bat tube <input type="checkbox"/> Bat tile (including ridge tile) <input type="checkbox"/> Other (specify): <input type="checkbox"/> None	3	<input type="checkbox"/> In same building <input type="checkbox"/> In other existing building on site <input type="checkbox"/> In new building <input checked="" type="checkbox"/> Other (specify): Tree mounted bat boxes
Soprano pipistrelle <input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A Day roost Night roost Feeding Transitional/Occasional	<input type="checkbox"/> Bat box <input type="checkbox"/> Integrated bat box/ bat brick/ bat tube <input type="checkbox"/> Bat tile (including ridge tile) <input type="checkbox"/> Other (specify): <input type="checkbox"/> None		<input type="checkbox"/> In same building <input type="checkbox"/> In other existing building on site <input type="checkbox"/> In new building <input type="checkbox"/> Other (specify):
Whiskered <input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A Day roost Night roost Feeding Transitional/Occasional	<input type="checkbox"/> Bat box <input type="checkbox"/> Integrated bat box/ bat brick/ bat tube <input type="checkbox"/> Bat tile (including ridge tile) <input type="checkbox"/> Other (specify): <input type="checkbox"/> None		<input type="checkbox"/> In same building <input type="checkbox"/> In other existing building on site <input type="checkbox"/> In new building <input type="checkbox"/> Other (specify):
Brandt's <input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A Day roost Night roost Feeding Transitional/Occasional	<input type="checkbox"/> Bat box <input type="checkbox"/> Integrated bat box/ bat brick/ bat tube <input type="checkbox"/> Bat tile (including ridge tile) <input type="checkbox"/> Other (specify): <input type="checkbox"/> None		<input type="checkbox"/> In same building <input type="checkbox"/> In other existing building on site <input type="checkbox"/> In new building <input type="checkbox"/> Other (specify):
Daubenton's <input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A Day roost Night roost Feeding Transitional/Occasional	<input type="checkbox"/> Bat box <input type="checkbox"/> Integrated bat box/ bat brick/ bat tube <input type="checkbox"/> Bat tile (including ridge tile) <input type="checkbox"/> Other (specify): <input type="checkbox"/> None		<input type="checkbox"/> In same building <input type="checkbox"/> In other existing building on site <input type="checkbox"/> In new building <input type="checkbox"/> Other (specify):
Natterer's <input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A Day roost Night roost Feeding Transitional/Occasional	<input type="checkbox"/> Bat box <input type="checkbox"/> Integrated bat box/ bat brick/ bat tube <input type="checkbox"/> Bat tile (including ridge tile) <input type="checkbox"/> Other (specify): <input type="checkbox"/> None		<input type="checkbox"/> In same building <input type="checkbox"/> In other existing building on site <input type="checkbox"/> In new building <input type="checkbox"/> Other (specify):
Brown long-eared <input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A Day roost Night roost Feeding Transitional/Occasional	Note: boxes for this species will only be acceptable in certain circumstances, where this is justified on an ecological basis <input type="checkbox"/> Bat box, justification <input type="checkbox"/> Other (specify): <input type="checkbox"/> None		<input type="checkbox"/> In same building <input type="checkbox"/> In other existing building on site <input type="checkbox"/> In new building <input type="checkbox"/> Other (specify):
Serotine <input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A Day roost Night roost Feeding Transitional/Occasional	Note: bat boxes are not suitable for this species. Compensation should replicate, as closely as possible, the existing roost: <input type="checkbox"/> Bat tile <input type="checkbox"/> Bat brick <input type="checkbox"/> Other (specify):		<input type="checkbox"/> In same building <input type="checkbox"/> In other existing building on site <input type="checkbox"/> In new building <input type="checkbox"/> Other (specify):

Lesser Horseshoe <input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A <i>Day roost</i> <i>Transitional/Occasional</i>	A proportionate number of bat features suitable for the species. The provision of one feature, suitable for the species concerned (eg void) per roost to be impacted will be considered appropriate: Specify:		<input type="checkbox"/> In same building <input type="checkbox"/> In other existing building on site <input type="checkbox"/> In new building <input type="checkbox"/> Other (specify):
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E3.3b For all species and roost types not covered in the above table please provide the following:

- New roost dimension details or features (to include bat tiles/boxes as applicable).

N/A

- Access points and size of access points.

N/A

- Location details (including an 8-figure grid reference for bat houses or bat lofts relating to the structure. 8-figure grid references are not required for positions of individual boxes, tiles etc).

N/A

- Aspect. Explain how the internal conditions of the roost will be created.

N/A

- Details of the materials to be used e.g. timber, sarking, felt etc.

N/A

- Justification for any variation from the original roost and/or deviations from recommendations in the Bat Mitigation Guidelines. (*Diagrams of widely available standard bat box designs are not required; just refer to bat box name and reference number, e.g. Schwegler 1FF*).

N/A

- Mitigation for any impacts of lighting if appropriate.

NA

- Structures for access for monitoring / maintenance purposes (if applicable)

NA

E3.4 Other habitat re-instatement or creation (e.g. retention of existing flight lines, retention or creation of appropriate vegetation around roost entrances where applicable) – please include details of:

- Habitat replacement (following works resulting in temporary impacts) or creation not covered by sections E2 to E3 such as hedgerow/woodland planting or enhancement. State the length of hedgerow planting and areas (ha) of other planting to be provided such as woodland and anticipated establishment period etc.

A detailed landscape plan of retained, created and reinstated habitat has been completed for the Scheme (**Figure 7.14 Landscape Mitigation Masterplan** of Volume 2 of the ES (**Application Document Reference: TR010041/APP/6.2**)). The following general approach has been outlined.

- Retention of existing woodland, where possible, to reduce impacts relating to habitat loss and

ecosystem services.

- Reinstatement of habitat features within the same geographical area, where possible, maintaining connectivity to existing retained habitat features.
- Use of native species and plant stock of local provenance within the mitigation planting design.
- Creation of linear features (hedgerows and tree lines) using native species along much of the length of the Scheme, on both east and west sides of the carriageway (design permitting).
- Avoiding planting of trees and shrubs within and close to junctions and overbridges to discourage crossing the road network at areas of high risk (relevant to the wider Scheme).
- A diversity of habitat creation across the Scheme, including grasslands, scrub and woodland.

Full details of habitat retention, creation and reinstatement is present within **Chapter 7: Landscape and Visual** of Volume 1 of the ES (**Application Document Reference: TR010041/APP/6.1**) along with details regarding establishment and management. Further detail would be developed at detailed design.

The landscape design summarised above, has been designed to mitigate the impacts of the full Scheme. However, as landscape planting will be undertaken within the vicinity of the current roost, the design would help mitigate the impacts of the loss of foraging and commuting routes.

- Creation of flight lines/routes of connectivity.

The detailed habitat plan outlines the creation of replacement hedgerows running parallel with the Scheme and connecting to the wider landscape. The hedgerows are further supported by grassland creation to increase the foraging suitability.

The landscape measures summarised above have been designed to mitigate the impacts of the full Scheme. However, as landscape planting will be undertaken within the vicinity of the current roost, the design would help mitigate the impacts of the loss of foraging and commuting routes.

- Foraging area enhancements, etc

The majority of woodland habitats adjacent to the current roost will be maintained, with the proposed addition of conservation grassland and hedgerows, to maintain and enhance foraging areas.

The landscape measures summarised above have been designed to mitigate the impacts of the full Scheme. However, as landscape planting will be undertaken within the vicinity of the current roost, the design would help mitigate the impacts of the loss of foraging and commuting routes.

- Mitigation for any impacts of lighting if appropriate.

During construction, a suitable lighting strategy would be developed for implementation across the Scheme in accordance with BS5489 Code of Practice for the Design of Road Lighting and best practice guidance on lighting with regards to bats. The general principle which will be implemented includes:

- Avoidance of direct lighting on any buildings or trees that contain bat roosts;
- Avoidance of light spill using directional and or baffled lighting;
- The use of movement triggers, thus lighting only turns on when people (large objects) move through the area (use during the construction works phase);
- Positioning of lighting columns away from habitats of value to foraging and commuting bats (hedgerows, trees, woodland);
- Reducing the height of lighting columns to reduce light spill onto adjacent habitats;
- Variable lighting regimes (VLR) - switching off when human activity levels are low i.e. 21:00 to 05:30; and/or
- Avoid use of blue-white short wavelength lights and high UV content.

Upon completion, the road shall now be artificially lit.

The lighting strategy summarised above has been designed to mitigate the impacts along the full Scheme. However, as this would be applied within the vicinity of the current roost, the design would help mitigate the impacts of lighting with regards to bats.

E3.5 Wider biodiversity gains:

Please indicate if enhancements, over and above what is necessary to mitigate the impact of the activity of the licence proposal, are being provided. Please indicate if enhancements are included to satisfy the requirement of a planning permission, and if so state the relevant planning condition, or other consents in your response below. Please also state if an applicant wishes to provide more than is typically required to mitigate for the impacts. Enter N/A if this is not applicable to your application.

Note: Any licence granted will only cover mitigation and compensation required to fulfill licensing requirements, but will acknowledge additional biodiversity enhancements.

Details of habitat retention, creation and reinstatement and wider biodiversity gains are present within **Chapter 7: Landscape and Visual** of Volume 1 of the ES (**Application Document Reference: TR010041/APP/6.1**) along with details regarding establishment and management. Further detail would be developed at detailed design and included in the future licence application

Important Advice:

Scaled maps/plans of mitigation/compensation must be provided as separate maps/figures (also **see section 1 "Map checklist" at the end of this document**):

- **Figure E2** if non-standard capture and exclusion apparatus is proposed please include diagrams/photographs.
- **Figure E3** to show specifications for mitigation / compensation to be provided and annotate where it will be provided. Should the scheme be large or complicated it may be necessary to submit more than one figure.

NOTE: It must be possible to compare these with the survey results plan (**Figure C6**) and 'Impacts' Figure (**D**).

E4 Post-development site safeguard: Further guidance and explanation on post-development monitoring requirements are included within our 'How to get a licence' document http://www.naturalengland.org.uk/Images/wml-g12_tcm6-4116.pdf. Also see Section 8.7 of the Bat Mitigation Guidelines.

E4.1 Habitat/site management and maintenance: Is any specific post-development habitat management and site maintenance planned? If 'No; state 'N/A'. If 'Yes' include the following:

- The period (years and months) for which habitat management and maintenance will take place. Ensure that this is consistent with the post development works detailed in section **E5b** of the **Work Schedule document, WML-A13-a-E5a&b**.

Detail would be developed at detailed design and outline in the future licence application

- Details of what will be undertaken in terms of site maintenance required to ensure long-term security of the affected population (e.g. maintain, repair or reinstate access points; maintain and repair heaters and /or data loggers; maintain, repair or restore bat feature / bat loft in good condition; repair or replace inspection hatches; management and maintenance of lighting regime, or bat boxes etc).

Detail would be developed at detailed design and outline in the future licence application

- Details of what will be undertaken in terms of habitat management (e.g. planting cover around roost structure, hedgerow management regime, checking establishment of habitat creation; reduction of shade around roosts, woodland management to maintain species and structural diversity etc). Ensure this relates to the relevant map.

Detail would be developed at detailed design and outline in the future licence application

Note – for phased or multi-plot developments a separate habitat management and maintenance plan is required, which must be submitted with the master plan: see guidance on phased developments.

Important Advice:

Please include **Figure E4** as a separate figure to show which structures and habitats will be managed, maintained and monitored post development as part of your proposal – also see *section 1 "Map checklist" at the end of this document*).

E4.2 Population monitoring, roost usage etc: This should be in line with the monitoring requirements detailed in the Bat Mitigation Guidelines section 8.7 and Figure 4.

E4.2a Please complete the table below for the species and roost types listed. For all other species and roost types please provide information under E4.2b.

Species	Roost type	Post-development monitoring requirement
Common pipistrelle Soprano pipistrelle Whiskered Brandts Daubenton's Natterer's Brown long-eared Serotine	Day roost Night roost Feeding Transitional/Occasional	<input checked="" type="checkbox"/> None. There is no post-development requirement for proposals affecting bat roosts supporting up to any 3 species indicated, of the roost types listed, where they are used by low numbers of each species. <input type="checkbox"/> A single presence / absence survey at an appropriate time of year is to be undertaken. This should not take place in the first year following completion of development. Timing (year): <input type="checkbox"/> Other (specify):
Serotine	Day roost Night roost Feeding Transitional/Occasional	<input type="checkbox"/> A single presence / absence survey at an appropriate time of year is to be undertaken. This should not take place in the first year following completion of development. Timing (year): <input type="checkbox"/> Other (specify):
Lesser Horseshoe	Day roost Transitional/Occasional	<input type="checkbox"/> A single presence or absence survey at an appropriate time of year to be undertaken in year 2 post development plus a check of the condition and suitability of the roost. <input type="checkbox"/> Other (specify):

E4.2b For all species and roost types not covered in the above table please include details of:

- Timing – state the years and months post development monitoring or other will be undertaken. Ensure that is consistent with the post development works detailed in section **E5b** of the **Work Schedule document WML-A13-a-E5a&b**.

N/A

- The type of monitoring which will be undertaken – include survey methods and equipment to be used. If it is expected any bats are to be taken or disturbed during this period please state anticipated numbers per species against each licensable activity.

N/A

- Specify which compensation/mitigation measures will be subject to monitoring (as referenced on Figure E4).

N/A

Please note that it will be a requirement of the licence to undertake remedial action should monitoring identify that further management/maintenance is required of any compensation/mitigation provided, to ensure that mitigation/compensation measures are working effectively and are fit for purpose.

Important advice: Please always consider whether any *post development* monitoring effort should be staggered over alternate years in cases where use of the compensation measures may not occur in the same year of provision.

E4.3 Mechanism for ensuring safeguard of mitigation/compensation and post-development management, maintenance and monitoring works:

Please explain what mechanism is in place to ensure safeguard of mitigation/compensation provisions (e.g. Restrictive Covenant, clause to relinquish future development rights in S106 agreement, NERC Act agreement, explicit recognition of site in local planning documents, designation as County Wildlife Site or similar.) The need for this, and the type of mechanism, will vary with the scheme and impact. For substantial impact schemes (e.g. destruction of a significant maternity roost, or important hibernation site), some mechanism is always required. If you offer no specific mechanism, explain how you believe the population will be free of threats as far as can be reasonably determined (**the expectation of the granting of a licence should not be used for this purpose**).

The DCO application will safeguard the proposed mitigation. Full details of safeguarding would be present within future licence application

Explain how all post-development works (management, maintenance (including remedial action) and monitoring, as appropriate) will be ensured? Include a commitment that the monitoring, habitat management and maintenance work will be undertaken. Mechanism/s for ensuring delivery must be in place before applying for a licence (also see Section F).

The DCO application will safeguard the proposed mitigation. Full details of safeguarding would be present within future licence application

E5 Timetable of works: Please complete the **work schedule document WML-A13-a-E5a&b found on the 'bat' application form web page and append to your application pack.**

Important Advice: Please note that from end of March 2014 a separate work schedule is a mandatory requirement to support a new bat licence application when using this template.

F Declarations

If the mitigation/compensation area/s is/are not owned by the applicant, you must have consent from the relevant land owner(s). You must have also secured details of how any measures to maintain the population in the long term will be achieved (e.g. a legal agreement).

F1 Declaration Statement(s) – You must include the following declarations within your Method Statement and include the appropriate answer (Yes/No/Not applicable):

F1.1 Re: section E1 - I confirm that relevant landowner consent/s has/have been granted to accept bats into roosts or access into roosts on land outside the applicant's ownership:

Yes

F2.2 Re: section E2 - I confirm that landownership consent/s has/have been granted to allow the creation of the proposed compensation on land outside the applicant's ownership

Yes

F2.3 Re: section E3 - I confirm that consent/s has/have been granted by the relevant landowner/s for monitoring, management and maintenance purposes on land outside the applicant's ownership

Yes

Comments if applicable:

N/A

Important Advice:

Unsecured consents statement:

If you have been unable to secure consents for any of the three declarations please explain why and detail any plans you have in place to obtain the consent(s) or provide details of any right(s) or agreement(s) that will enable the lawful implementation of the proposed mitigation, compensation and monitoring. Failure to provide the appropriate landowner consents means that the Method Statement is unlikely to meet the requirements for the FCS test to be met. It is therefore in your interest to ensure that the appropriate consents have been secured *before* applying for a licence.

G References: List any references cited, and include credits for source information.

H Annexes (supporting documents please append to your application pack)

H1 Pre-existing survey reports;

H2 Raw survey data.

I Check list of figures to be submitted with each Bat Method Statement

With your Method Statement and supporting documents please submit the following maps/figures – see table below. Note that some can be included within the Method Statement itself (if preferred) and others must be submitted individually (i.e. separate documents). Maps/Figures must include the title, site name as referenced on your application form, date and figure reference. If a grid reference is more applicable (e.g. a bat house is being provided please include this). Include a scale bar (appropriate to the situation e.g. 100m on site maps, 1km on location maps) and direction of North etc.

Additional maps, photographs or diagrams should be included where necessary to adequately explain the scheme.

Figure reference	Mandatory as will be included in the annexed licence, if applicable	Mandatory for assessment purpose only, but will not be included in the annexed licence	What it must show (also see details above on site reference, dating and naming).
Figure B2.1	-	Yes, if the application is part of a phased or multi-plot development	Master plan overview- note – this is not the same as a master plan document, for which you should follow the guidance as stated in section B2.1.
Figure B2.2	-	Yes, if applicable	Locations of other nearby bat licensed sites, or sites which will be impacted on by future development.
Figure C5a	-	Yes	Location map at an appropriate scale for the application (often 1:50,000 or 1:25,000)
Figure C5b	-	Yes	Survey area showing all buildings, structures and habitats that are within the survey area and distinguishing those that were surveyed and those that were not. Indicate where surveyors were located. Aerial photographs should be provided where possible (ensure you have permission to use copy righted maps). If automated detectors were used or transect routes, ensure that these are indicated as appropriate.
Figure C6	-	Yes	Survey results - provide clear, annotated and cross-referenced maps/plans/photographs to show the survey results (access points, location of roosts, flight lines, results of activity surveys where DNA samples were taken etc). Ensure Figure is at a suitable scale to show the results.
Figure D	Yes	-	Impacts plan – map/figure which must show all structures or habitats (clearly referenced) that will be

			disturbed, damaged or destroyed, detailing where the roosts and access points are.
Figure E2	Yes – but only if applicable to the application	-	Non-standard capture and exclusion apparatus. If these are proposed please include diagrams/photographs.
Figure E3	Yes	-	Specifications for mitigation / compensation (including all dimensions for bat lofts/houses/stand-alone structures and materials to be used etc and 8-figure grid reference). Mitigation / compensation (must show all habitat creation, restoration, boxes). It may be necessary to submit more than 1 figure if the proposal is large or complicated.
Figure E4	Yes – when monitoring and maintenance will be included in the licence	-	Monitoring, management and maintenance map. Please indicate the specific structures and habitat that are to be managed, maintained and monitored as part of this licence proposal. Ensure that they are correctly referenced and are consistent with other parts of the Method Statement and figures.

Definitions of roost types to be included in the application (further detail can also be found in the Bat Mitigation Guidelines and the BCT's "Bat Surveys Good Practice Guidelines"):

- a. **Day roost:** a place where individual bats, or small groups of males, rest or shelter in the day but are rarely found by night in the summer.
- b. **Night roost:** a place where bats rest or shelter in the night but are rarely found in the day. May be used by a single individual on occasion or it could be used regularly by the whole colony.
- c. **Feeding roost:** a place where individual bats or a few individuals rest or feed during the night but are rarely present by day.
- d. **Transitional / occasional roost:** used by a few individuals or occasionally small groups for generally short periods of time on waking from hibernation or in the period prior to hibernation.
- e. **Swarming site:** where large numbers of males and females gather during late summer to autumn. Appear to be important mating sites
- f. **Mating sites:** sites where mating takes place from later summer and can continue through winter.
- g. **Maternity roost:** where female bats give birth and raise their young to independence.
- h. **Hibernation roost:** where bats may be found individually or together during winter. They have a constant cool temperature and high humidity. Sites where hibernating bats have been confirmed by appropriate survey effort should be classed as '**hibernation confirmed**'.
- i. **Satellite roost:** an alternative roost found in close proximity to the main nursery colony used by a few individual breeding females to small groups of breeding females throughout the breeding season.
- j. **Other** – please explain what the roost type is if not one of the above (we recognise that roost types are interchangeable and not always easy to classify according to the nuances of certain species).
- k. An '**alternative roost**' shall include: a purposely installed bat box; an existing roost which will not be impacted by the works; or other new/enhanced roosting opportunities. Any alternative roost must be suitable for the species, within or close to the existing roost and free from additional disturbance or development pressure.

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A1 in Northumberland: Morpeth to Felton - Building B4a

WORK SCHEDULE

WML-A13a-E5a&b – WORK SCHEDULE FOR BAT

ANNEXED LICENCE



Site name and address (as stated on the application form or licence granted): A1 in Northumberland: Morpeth to Felton - Building B4a

Please ensure that the work schedules are S.M.A.R.T and appropriate timescales are provided for each activity, to fit with order of events. Complete these schedules to show timings for all categories of work (mitigation and compensation measures), and to show the main construction period. The most common activities are listed here, and you can add up to 6 more if needed. Leave blank if not applicable. Enter timing by stating **start and end dates, to nearest month and year** (see first lines for examples). Enter comments if you need to clarify timings. For very complex schemes (e.g. high impact or phased development schemes) if additional lines are needed please do add in. This work schedule will form part of any annexed licence.

E5a

PLEASE INCLUDE DATE OF SUBMISSION (e.g. 01 July 2016). This will be referenced in the annex →		
Activity	Timing	Comments
Pre- development activity		
<i>Example: Bat house creation (in advance of licence)</i>	<i>Sept-14 to Nov-14</i>	<i>Also put up 3 bat boxes before end of December 2015, in advance of works commencing</i>
Creation of standalone bat feature/s (state completed and fit for purpose if created <u>before</u> licensable works due to commence)	N/A	N/A
Installation of bat boxes pre-development works (state completed and fit for purpose if created <u>before</u> licensable works due to commence)	August 2021 to October 2021 OR April 2022 to October 2022	Installation of 3 x tree mounted bat boxes. To be installed prior to start of construction. All boxes will be completed and fit for purpose before licensable works commence. Range in timing to provide flexibility in scheduling. All timeframes would be confirmed during

		detailed design and present in the future licence application.
Permanent exclusion measures (e.g. use of one-way excluders prior to permanent blocking of access points or destruction of roost)	August 2021 to October 2021 OR April 2022 to October 2022	Building B4a will be subjected to dusk and dawn surveys, if considered necessary exclusion devices may be fitted. An assumed start of works on site of September 2021 has been included. However, if works are not completed during the 2021 period, a period during 2022 would be utilised. All timeframes would be confirmed during detailed design and presented in the future licence application.
Emergence/re-entry Survey after 5 days of exclusion device installation to confirm absence	August 2021 to October 2021 OR April 2022 to October 2022	An assumed start of works on site of September 2021 has been included. However, if works are not completed during the 2021 period, a period during 2022 would be utilised. All timeframes would be confirmed during detailed design and presented in the future licence application.
Mid-development activity		
<i>Example: Capture exercise (e.g. by hand /hand-held nets, etc)</i>	<i>Sept-2016</i>	<i>By hand</i>
Pre-works inspection by Named Ecologist or Accredited Agent	August 2021 to October 2021 OR April 2022 to October 2022	A dusk and dawn survey will be carried out prior to works. Range in timing to provide flexibility in scheduling. All timeframes would be confirmed during detailed design and present in the future licence application.
Installation of protective measures (e.g. separation membranes whilst working in lofts)	N/A	N/A
Disturbance by noise, illumination or vibration (please specify)	N/A	N/A
Temporary exclusion measures (e.g. use of one-way excluders with access re-instated following works)	N/A	N/A
Permanent exclusion measures (e.g. use of one-way excluders prior to permanent blocking of access points or destruction of roost)	August 2021 to October 2021 OR April 2022 to October 2022	Building B4a will be subjected to dusk and dawn surveys, if considered necessary exclusion devices may be fitted. An assumed start of works on site of September 2021 has been included. However,

		if works are not completed during the 2021 period, a period during 2022 would be utilised. All timeframes would be confirmed during detailed design and presented in the future licence application.
Capture exercise (e.g. by hand / hand-held nets, etc – please state)	August 2021 to October 2021 OR April 2022 to October 2022	Conducted under the supervision of the Named Ecologist or appointed Accredited Agent. If considered necessary the Named Ecologist will capture bats by hand. An assumed start of works on site of September 2021 has been included. However, if works are not completed during the 2021 period, a period during 2022 would be utilised. All timeframes would be confirmed during detailed design and presented in the future licence application.
Destructive search by soft demolition	August 2021 to October 2021 OR April 2022 to October 2022	Soft strip of roof and roosting features. Conducted under the supervision of the Named Ecologist or appointed Accredited Agent. If considered necessary the Named Ecologist will capture bats by hand. An assumed start of works on site of September 2021 has been included. However, if works are not completed during the 2021 period, a period during 2022 would be utilised. All timeframes would be confirmed during detailed design and presented in the future licence application.
During development		
<i>Example: Mechanical demolition</i>	<i>Oct-2016</i>	<i>Buildings X and Y will be knocked down after sign off from Named Ecologist</i>
Mechanical demolition of all or part of structures (once declared free of bats by Named Ecologist or Accredited Agent) – please state	September 2021 to October 2021 OR April 2022 to October 2022	To be conducted following completion of soft strip and removal of roosting features.

Construction period start and end dates	October 2021 to December 2023	Construction dates will be dependant on the NSIP process and likely to be subject to change. All timeframes would be confirmed during detailed design and presented in the future licence application.
Site checks and maintenance during construction	August 2021 to October 2021 OR April 2022 to October 2022	A final check of the site will be undertaken on completion of construction by the Named Ecologist or their Accredited Agent. All timeframes would be confirmed during detailed design and presented in the future licence application.
Post construction mitigation/compensation on 'development' site or other (provide details below)		
<i>Example: Installation of access points and bat boxes</i>	<i>Feb-2017</i>	<i>Access points will be installed after completion of new roof structure; remaining 3 x bat boxes installed by end of this month.</i>
Creation of mitigation/compensation <u>post development</u> (e.g. installation of bat tubes, bricks, boxes, access points, etc – specify in comments section)	N/A	Compensation bat boxes to be installed during pre-development phase.
Habitat reinstatement or restoration (following temporary impacts)	December 2023 onwards	It is assumed that landscape reinstatement or restoration would be undertaken following construction. However, a detailed programme of construction along the length of the Scheme is not currently available. All timeframes would be confirmed during detailed design and presented in the future licence application.
Hedgerow or woodland planting (please specify)	December 2023 onwards	It is assumed that habitat creation (planting) would be undertaken following construction. However, a detailed programme of construction along the length of the Scheme is not currently available. All timeframes would be confirmed during detailed design and presented in the future licence application.

E5b) Post-development works - type a "Y" where each activity will occur for a given year and leave blank for no activity.

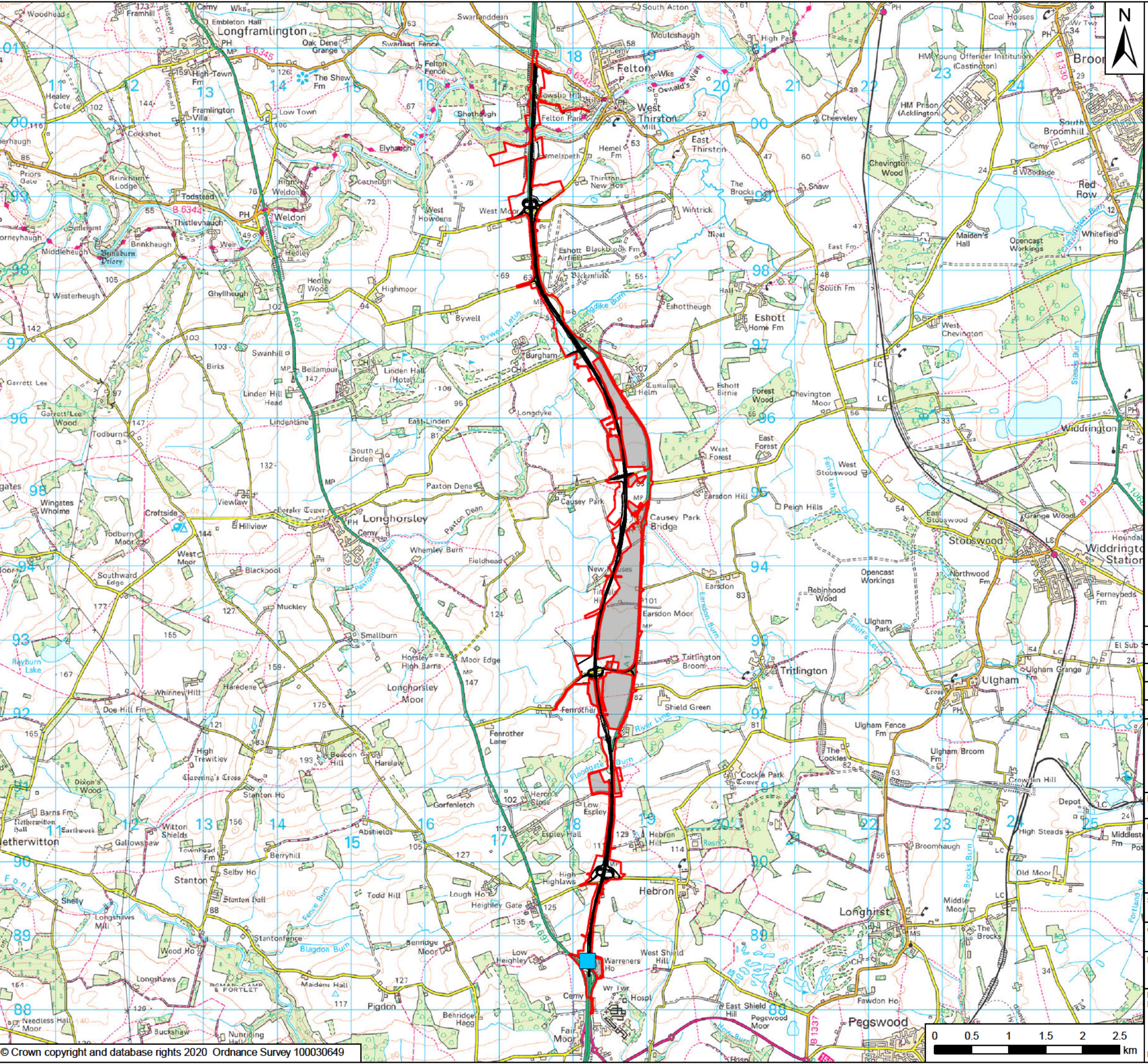
Year:	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Monitoring												
Habitat management												
Site maintenance												

Year:	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039
Monitoring												
Habitat management												
Site maintenance												

Draft Bat Licence

A1 in Northumberland: Morpeth to Felton - Building B4a

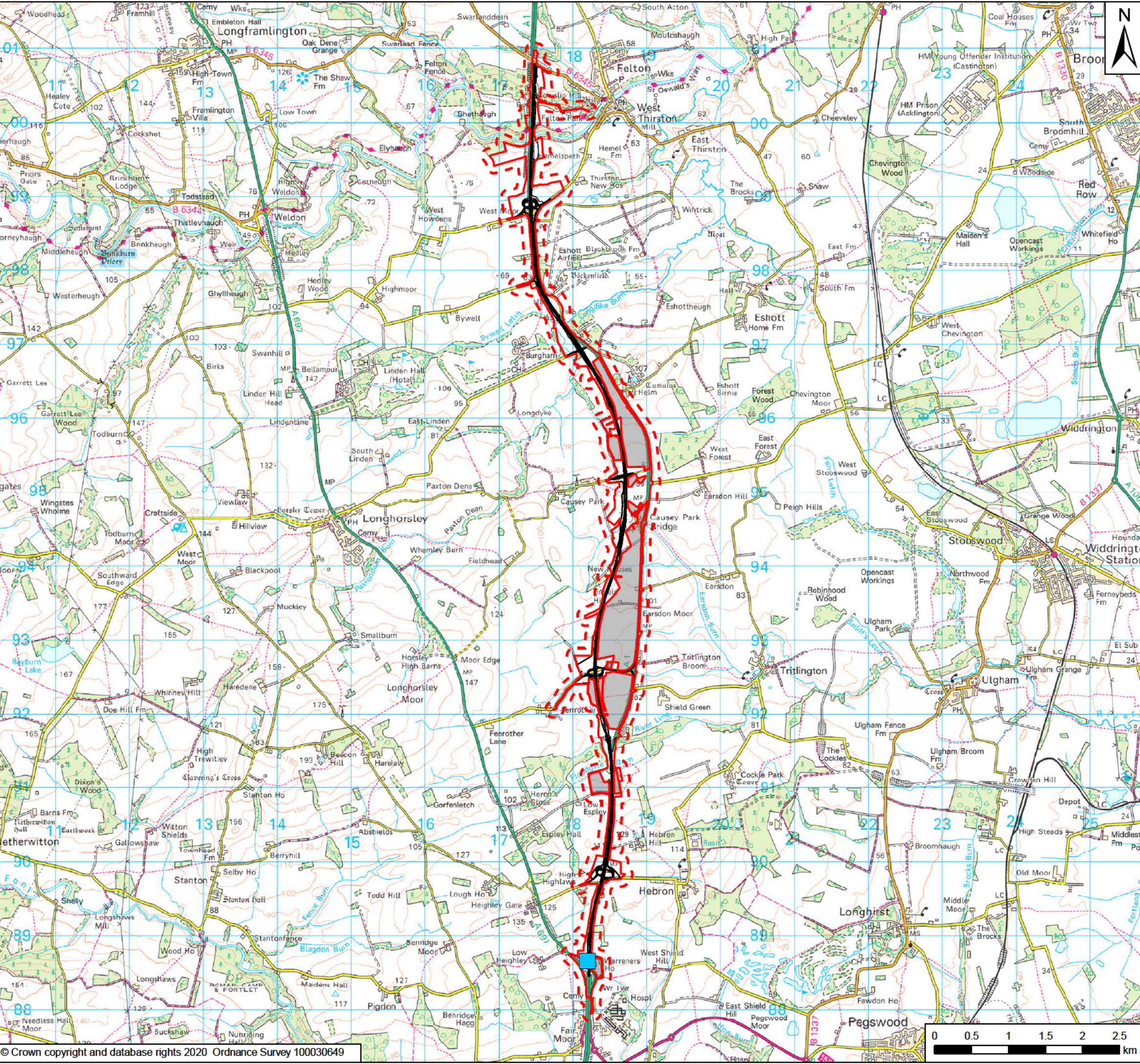
FIGURES



Key

- Order Limits
- Areas Excluded from Order Limits
- Building B4a

P01	15/01/20	First Issue	GH	JF	KS
Rev	Date	Description	By	Chk'd	App'd
Client					
Project Title					
A1 in Northumberland: Morpeth to Felton					
Drawing Title					
Figure C5a - Location Map					
Scale	1:50,000	Drawn	GH	Checked	JF
Original Size	A3	Date	15/01/20	Date	15/01/20
Drawing Status					Suitability
For Information					S1
Drawing Number	HE551459	Originator	WSP	Volume	6.3
Project Ref. No.					70044136
Revision					P01
M2F	Location	Type	Role	Number	



Order Limits

Areas Excluded from Order Limits

Survey Area - Scheme plus 100m

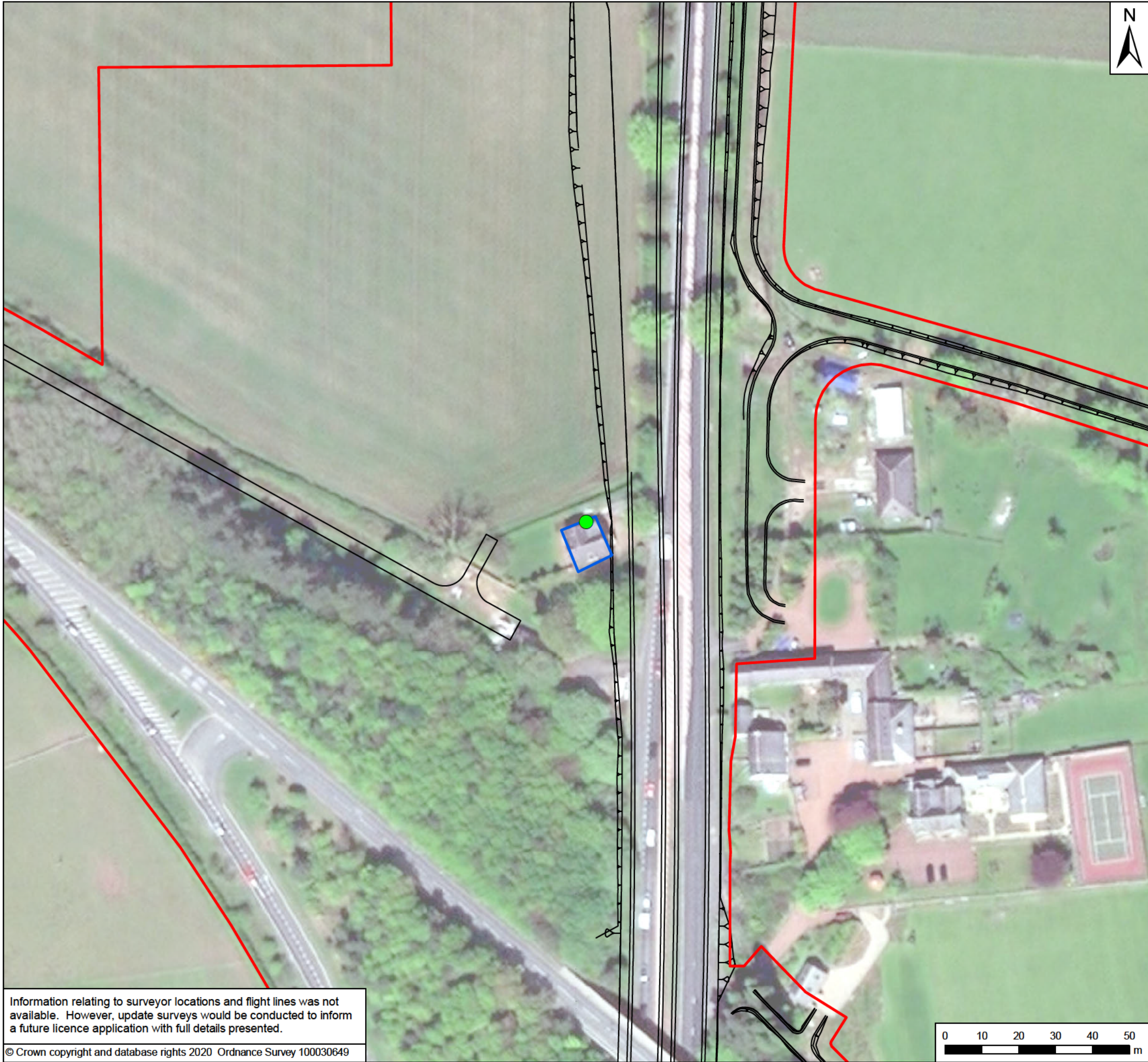
Building B4a

Due to the number of surveyed buildings and structures, this figure only shows building B4a for which this method statement refers to. All accessible buildings and structures within 100m of the Order Limits were surveyed. Full details are presented in Appendices 9.7, 9.8 and 9.9 of Volume 3 of the ES (Application Document Reference: TR010041/APP/6.3). Building B4a is the only building/structure for which a European Protected Species (EPS) Licence is considered necessary. A full impact assessment with regards to roosting bats is presented in Chapter 9: Biodiversity of the ES (Application Document Reference: TR010041/APP/6.1).

Information relating to surveyor locations was not available. However, update surveys would be conducted to inform a future licence application with full details presented.

P01	15/01/20	First Issue	GH	JF	KS
Rev	Date	Description	By	Chk'd	App'd
Client					
Project Title					
A1 in Northumberland: Morpeth to Felton					
Drawing Title					
Figure C5b - Survey Area					
Scale	1:50,000	Drawn	GH	Checked	JF
Original Size	A3	Date	15/01/20	Date	15/01/20
Drawing Status					Suitability
For Information					S1
Drawing Number	HE551459	Originator	WSP	Volume	6.3
Project Ref. No.					70044136
Revision					P01
M2F	Location	Type	Role	Number	

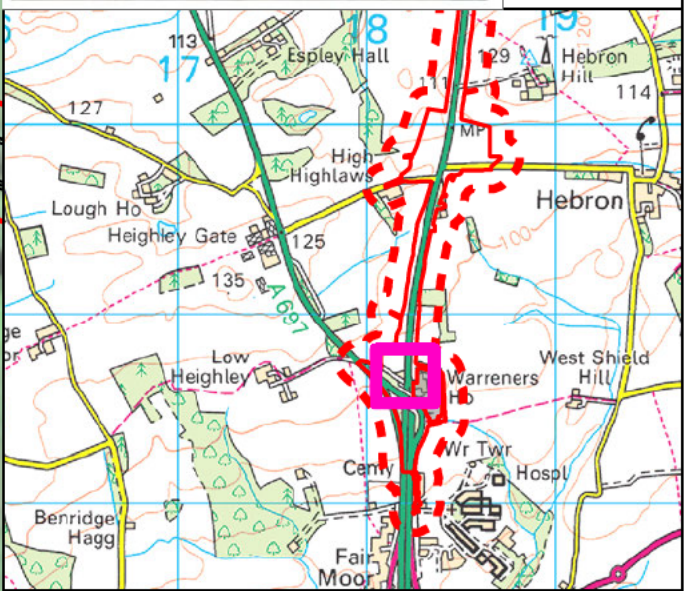
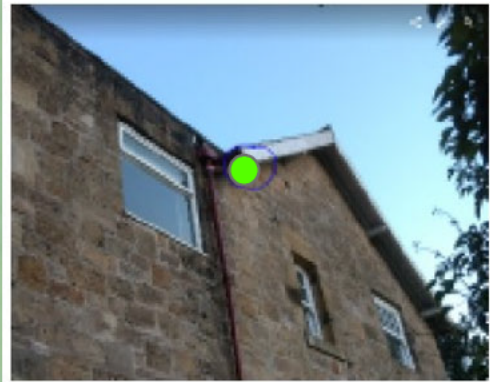
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Key

- Order Limits
- Emergence location
- Building B4a - Confirmed Bat Roost

Roost type: common pipistrelle - day roost



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Rev	Date	Description	By	Chk'd	App'd

Client

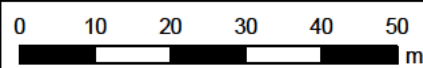
Project Title
A1 in Northumberland: Morpeth to Felton

Drawing Title
Figure C6 - Survey Results

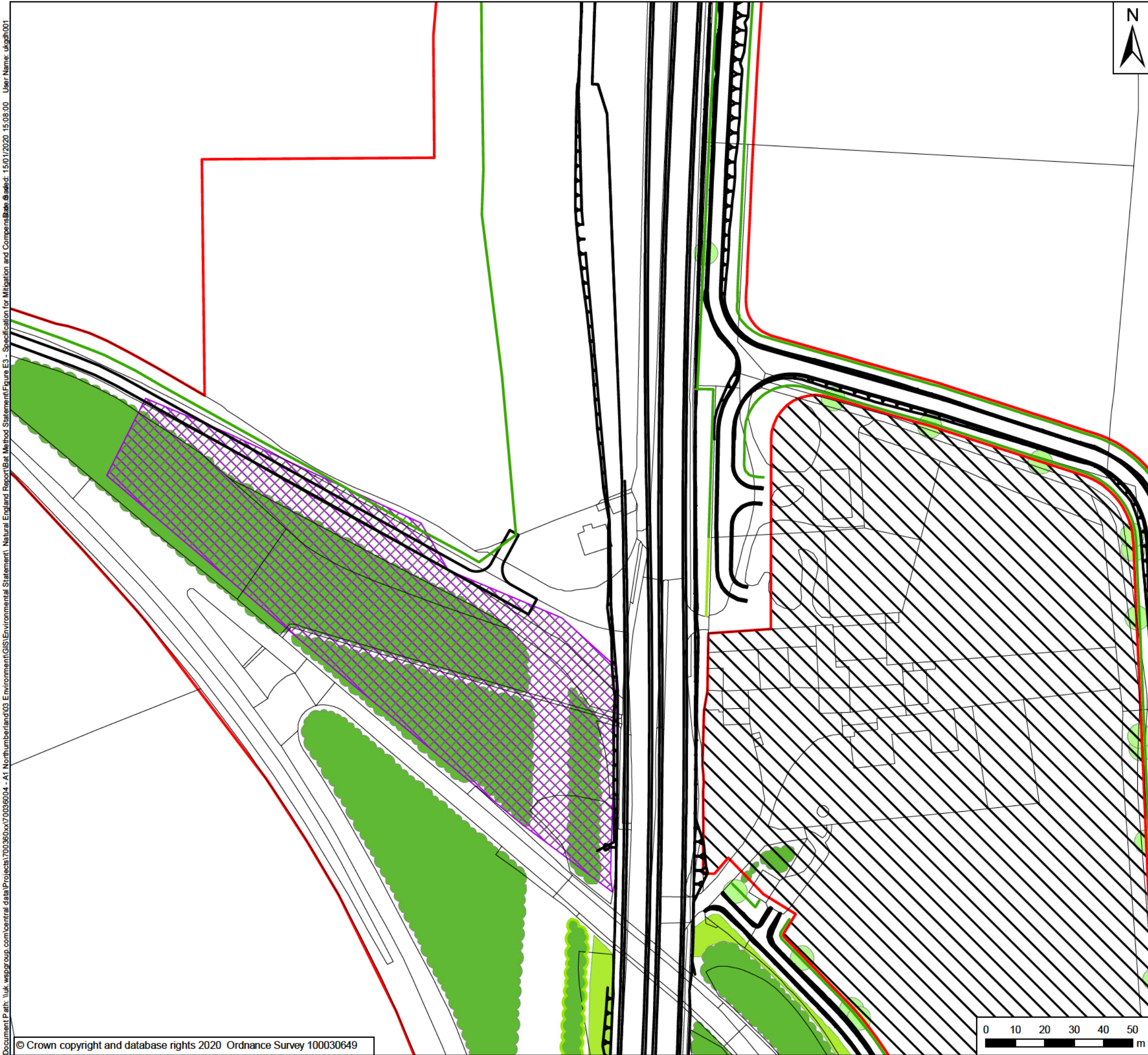
Scale	1:1,000	Drawn	GH	Checked	JF	Approved	KS	Authorised	DM
Original Size	A3	Date	15/01/20	Date	15/01/20	Date	15/01/20	Date	15/01/20
Drawing Status	For Information								Suitability S1
Drawing Number	HE551459		Originator WSP		Volume 6.3		Project Ref. No. 70044136		
Location	M2F		Type	Role	Number		Revision P01		

Information relating to surveyor locations and flight lines was not available. However, update surveys would be conducted to inform a future licence application with full details presented.

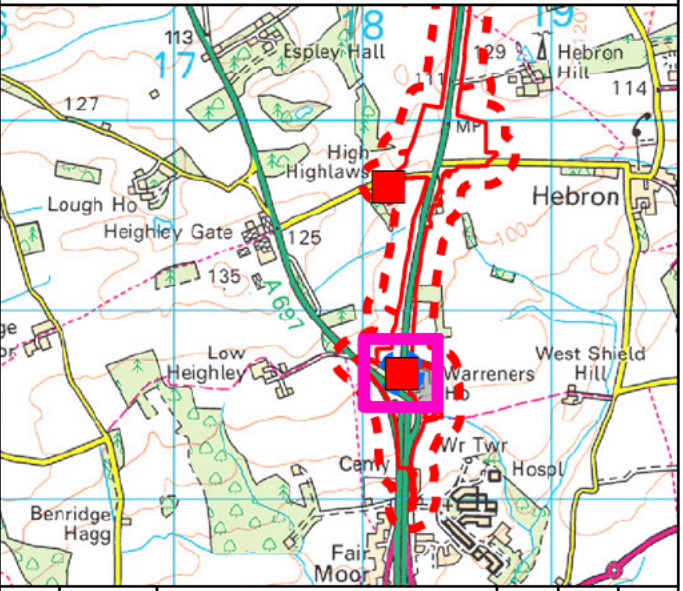
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Document Path: \\uk.wspgroup.com\central_data\Projects\700360\A1 Northumberland\03 Environment\GIS\Environmental Statement\ Natural England Report\Bat Method Statement\Figure E3 - Specification for Mitigation and Compensation\Balead. 15/01/2020 15:08:00 User Name: ukgh001



- Key**
- Order Limits
 - Areas Excluded from Order Limits
 - General Arrangement
 - Area of Woodland for Bat Box Mitigation
 - Proposed Woodland
 - Proposed Trees
 - Existing Woodland
 - Proposed Hedgerow
 - Existing Hedgerows



P01	15/01/20	First Issue	COC	JF	EH
Rev	Date	Description	By	Chk'd	App'd

Client

Project Title
A1 in Northumberland: Morpeth to Felton

Drawing Title
Figure E3 - Specifications for Mitigation/Compensation

Scale 1:1,250	Drawn COC	Checked JF	Approved PA	Authorised DM
Original Size A3	Date 15/01/20	Date 15/01/20	Date 15/01/20	Date 15/01/20
Drawing Status For Information				Suitability S1
Drawing Number HE551459	Originator WSP	Volume 6.3	Project Ref. No. 70044136	
M2F Location				Revision P01
Type		Role	Number	

Draft Bat Licence

A1 in Northumberland: Morpeth to Felton - Building B4a

ANNEXES

Annex H1 – Pre-existing survey reports

Appendix 9.7: Bat Roost Potential Survey Report 2017 of Volume 3 of this ES (**Application Document Ref: TR010041/APP/6.4**)

Appendix 9.8: Bat Activity Survey Report of Volume 3 of this ES (**Application Document Ref: TR010041/APP/6.4**)

Appendix 9.9: Bat Survey Report 2018 of Volume 3 of this ES (**Application Document Ref: TR010041/APP/6.4**)

Annex H2 – Raw survey data

Not presented within this draft licence. Full details will be presented in the future licence application.

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