



## Ecology Mitigation Requirements

### Key

	No mitigation required
	Mitigation requirements met
	Mitigation in progress
	Mitigation requirements to be met in future phases

**Appendix A** - Infrastructure in relation to the Phases.

**Appendix B** - Indicative skylark pair positions (located during the breeding bird surveys (JBA, 2019).

**Appendix C** - Indicative mitigation map

Phase	Required Mitigation	Provided/In Progress/To Be Provided Mitigation
Relief Road and Infrastructure	West of roundabout - H34 is categorised as an 'important' hedgerow. If this is to be removed, then a replacement species-rich hedgerow will need to be provided.	Majority of this hedgerow is to be retained and protected. Replacement hedgerow has been provided as part of the relief road, infrastructure and POS (see Biodiversity Net Gain (BNG) calculations).  0.27km of hedgerow in total (site-wide) will be lost to the proposals, however 1.53km will be enhanced and 3.56 native species-rich hedgerow is proposed. Enhancement will include gapping-up with additional native species where appropriate and long-term management to ensure condition is improved.
	North of roundabout - H42 is categorised as an 'important' hedgerow. If this is to be removed, then a replacement species-rich hedgerow will need to be provided.	This hedgerow will be retained and gapped up, where appropriate and long-term management to ensure condition is improved (as currently considered to be of 'poor' condition).

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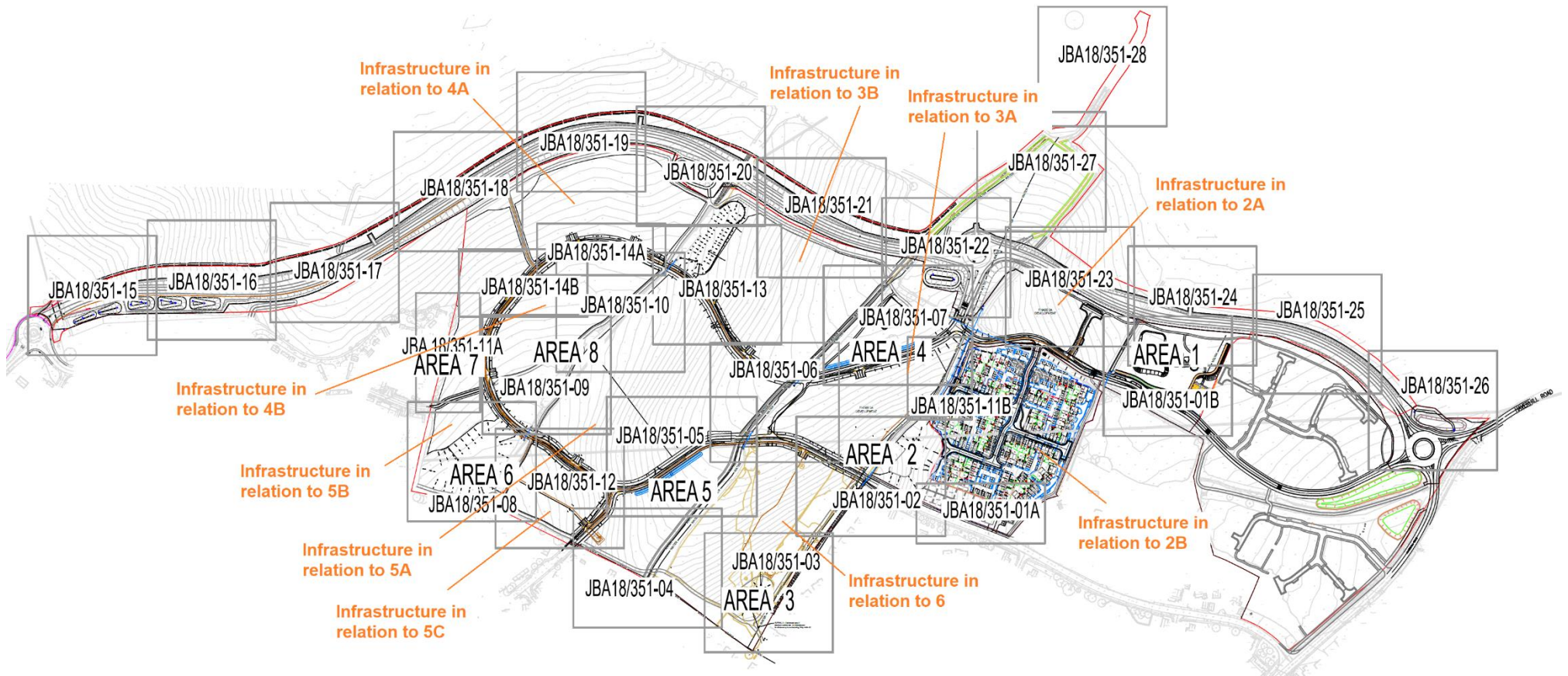
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Phase	Required Mitigation	Provided/In Progress/To Be Provided Mitigation
<b>Relief Road</b>	An area of scrub at the western most section of the relief road footprint will be removed. This will require replacement of the same broad habitat or higher value.	Replacement scrub has been provided as part of the relief road, infrastructure and POS (see BNG calculations).
	Owl boxes.	At least seven owl boxes are to be installed on suitable trees within the relief road planting. Trees may not be suitable at time of initial planting and therefore the boxes should be installed when trees are at a suitable height, or the boxes can be installed on sturdy poles. Approximate locations shown on the mitigation map (Appendix C) and numbers are minimums.
	Bat hops.	Although it is not possible to develop fully connected tree canopy over the relief road due to the width and highway constraints; scrub, tree and wildflower planting will be provided either side of the road, which provide optimal bat commuting and foraging grounds. The trees will be allowed to grow up as much as possible while still within highway safety guidelines.
<b>Infrastructure in relation to 2A</b>	G43 is categorised as an 'important' hedgerow. If this is to be removed, then a replacement species-rich hedgerow will need to be provided.	Majority of this hedgerow is to be retained and protected. Replacement hedgerow has been provided as part of the relief road, infrastructure and POS (see BNG calculations).  0.27km of hedgerow in total (site-wide) will be lost to the proposals, however 1.53km will be enhanced and 3.56 native species-rich hedgerow is proposed. Enhancement will include gapping-up with additional native species where appropriate and long-term management to ensure condition is improved.
<b>Infrastructure in relation to 3A</b>	G37 is categorised as an 'important' hedgerow. If this is to be removed, then a replacement species-rich hedgerow will need to be provided.	Majority of these hedgerows are to be retained and protected. Replacement hedgerow has been provided as part of the relief road, infrastructure and POS (see BNG calculations).
	G30 is categorised as an 'important' hedgerow. If this is to be removed, then a replacement species-rich hedgerow will need to be provided.	0.27km of hedgerow in total (site-wide) will be lost to the proposals, however 1.53km will be enhanced and 3.56 native species-rich hedgerow is proposed. Enhancement will include gapping-up with additional native species where appropriate and long-term

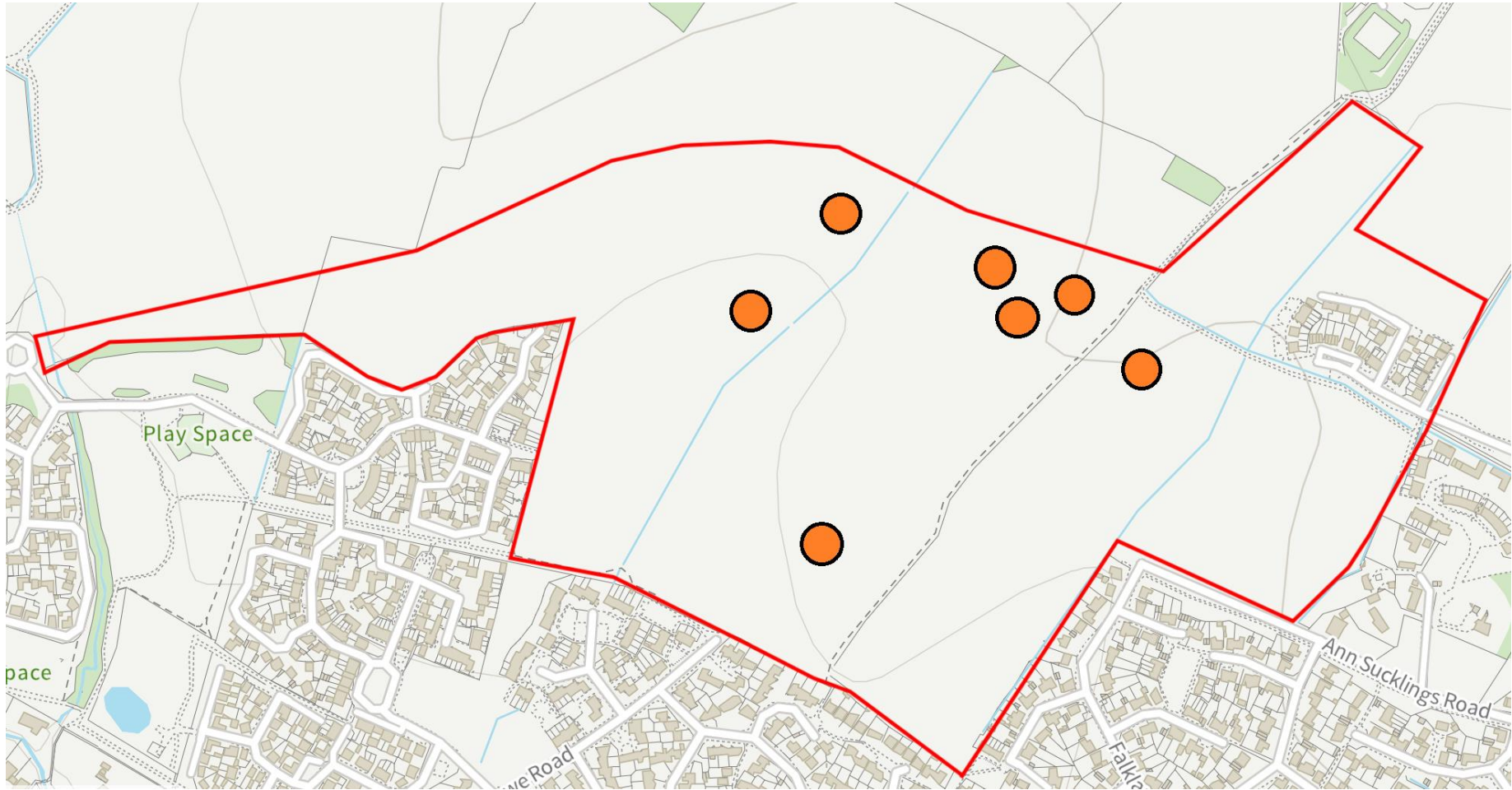
Phase	Required Mitigation	Provided/In Progress/To Be Provided Mitigation
		management to ensure condition is improved.
<b>Infrastructure in relation to 5C</b>	Small strip of mixed scrub will be removed. This will require replacement of the same broad habitat or higher value.	Replacement scrub has been provided as part of the relief road, infrastructure and POS (see BNG calculations).
<b>Infrastructure in relation to 6</b>	G29 and G26 is categorised as 'important' hedgerows. If these are to be removed, then a replacement species-rich hedgerow will need to be provided.	Majority of this hedgerow is to be retained and protected. Replacement hedgerow has been provided as part of the relief road, infrastructure and POS (see BNG calculations).  0.27km of hedgerow in total (site-wide) will be lost to the proposals, however 1.53km will be enhanced and 3.56 native species-rich hedgerow is proposed. Enhancement will include gapping-up with additional native species where appropriate and long-term management to ensure condition is improved.
<b>Infrastructure in relation to 6</b>	Section of scrub will be removed for the infrastructure related to this phase. This will require replacement of the same broad habitat or higher value.	Replacement scrub has been provided as part of the relief road, infrastructure and POS (see BNG calculations).
	SUDs basin at the south east of Phase 6 is proposed in an areas which is currently scrub habitat. This will require replacement of the same broad habitat or higher value.	
<b>3A</b>	Sulphur clover in relation to G37 will be retained.	Fencing has been erected to protect the hedgerow and all ground flora. The proposed footpath has been moved further south/west to avoid the clover.
	A single pair of skylarks will require 2 off-site compensation plots.	Currently in discussion with Suffolk Wildlife Trust regarding the plot provision.
<b>3B</b>	Three pairs of skylarks will require 6 off-site compensation plots.	Currently in discussion with Suffolk Wildlife Trust regarding the plot provision.
<b>4A</b>	Two pairs of skylarks will require 4 off-site compensation plots.	Currently in discussion with Suffolk Wildlife Trust regarding the plot provision.
<b>5A</b>	A single pair of skylarks will require 2 off-site compensation plots.	Currently in discussion with Suffolk Wildlife Trust regarding the plot provision.
<b>6</b>	Majority of the site is scrubland which will require mitigation. This will require replacement of the same broad habitat or	Currently more 'medium' distinctiveness habitat group is required to off-set the loss of scrubland. To be provided within future phases.

Phase	Required Mitigation	Provided/In Progress/To Be Provided Mitigation
	higher value.	
	Small areas of sulphur clover to be translocated to phase 3A (or other suitable locations).	Translocation method statement has been produced. Translocation occurred May 2022.
<b>General</b>	Hedgehog links.	Hedgehog links provided in all phases in suitable locations (i.e. not facing roads).
	Bird boxes.	All phases are providing a mixture of bird boxes for a variety of species. Box types include; Schwegler 1SP house sparrow, Schwegler 16S swift boxes, Schwegler kestrel nest box and Schwegler 3SV nest boxes.
	Bat boxes.	All phases are providing a mixture of bat boxes for a variety of species. Box types include; Schwegler 1FR bat box, Schwegler 2FE bat box and/or Ibstock enclosed bat box.
	Reptile hibernacula.	All phases are providing at least one hibernacula.
	Scrub placement.	Areas of replacement scrub are mainly within boundary treatments and POS so there is a good connection between scrub with other green spaces such as wildflower, trees, hedgerows and SUDs; providing multiple wildlife 'corridors'.
	Bat hops.	Tree planting and hedgerow enhancements in suitable locations either side of the roads within the infrastructure application will be managed and allowed to grow up, providing a sufficient connection above street lighting for bat commuting routes.
<b>BNG Tradition Standards</b>	'Medium' distinctiveness habitat group (or higher) is required to off-set the loss of this distinctiveness from the site as a whole (likely from scrubland within Phase 6).	To be provided within future phases. It is estimated that 0.17 hectare of mixed scrub (or similar distinctiveness habitat) at least at 'moderate' condition will be required to satisfy the trading standards. This will be planted at boundary habitats and throughout the residential phases.
	'Low' distinctiveness habitat group (or higher) is required to off-set the loss of this distinctiveness from the site as a whole.	Provided as part of the relief road, infrastructure and POS, and Phases 2A/B (see BNG calculations).

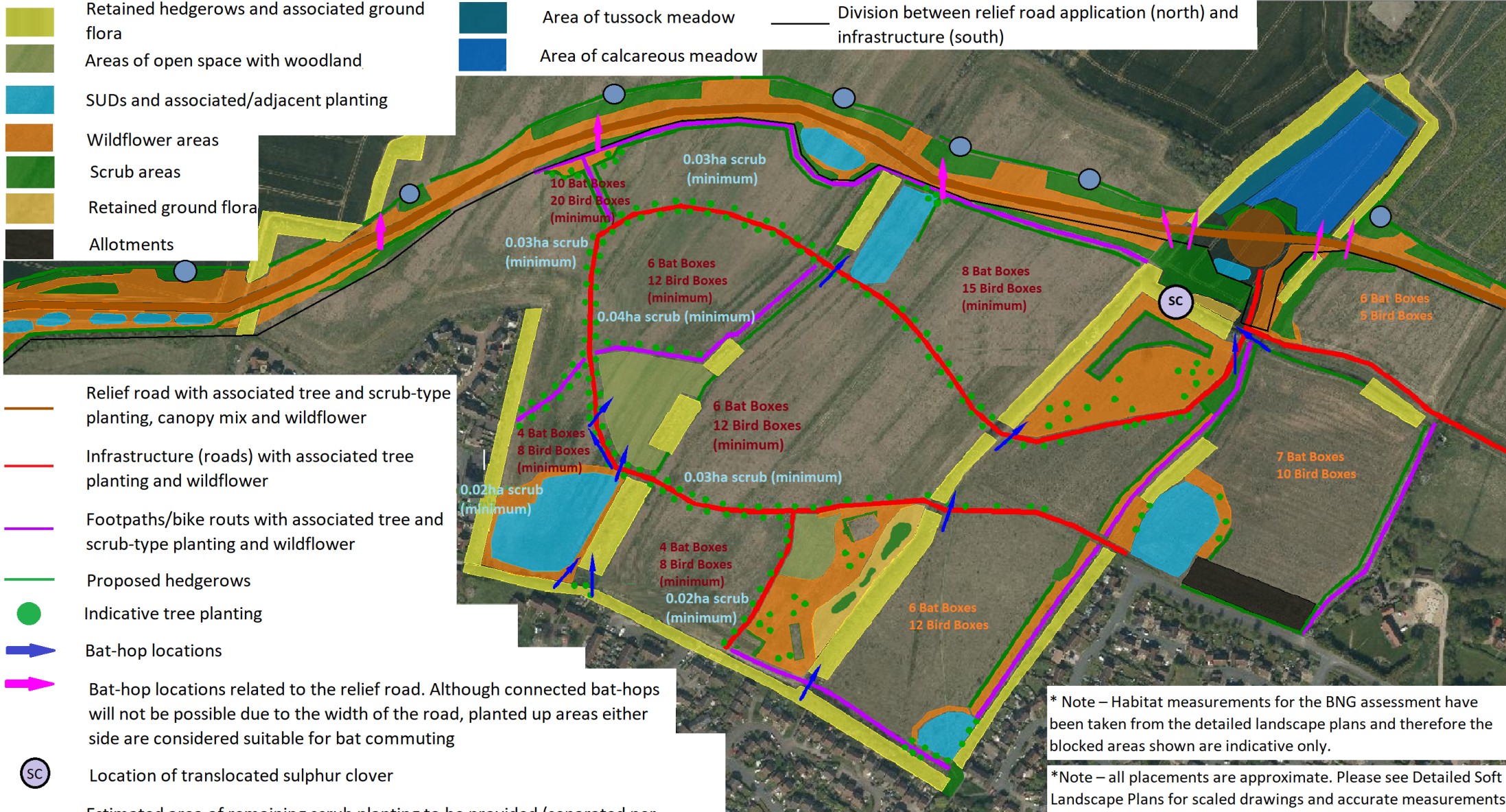
**Appendix A - Infrastructure in relation to the Phases (JBA18/531-XX refers to the corresponding landscape plans)**



**Appendix B - Indicative skylark pair positions** (located during the breeding bird surveys (JBA, 2019).



Appendix C - Indicative mitigation map



Estimated area of remaining scrub planting to be provided (separated per phase) – providing the trading standards are not met through other habitat provisions

ha

Owl boxes (on trees or poles)

6 Number of bird and bat boxes per phase

6 Estimated number of bird and bat boxes

Scrub measurements are split between each phase but may be more or less depending on the amount proposed per phase Note that measurements are indicative and will be updated accordingly

Additional planting will be undertaken within the Phases at residential frontages (including hedgerows), verges and small green spaces within the Phase.