

A12 Chelmsford to A120 widening scheme

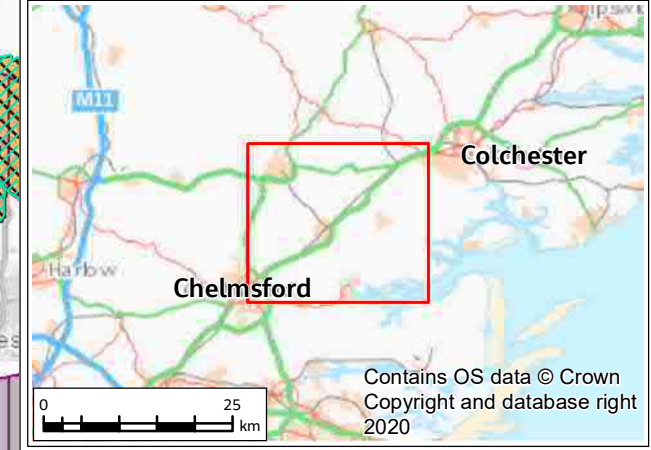
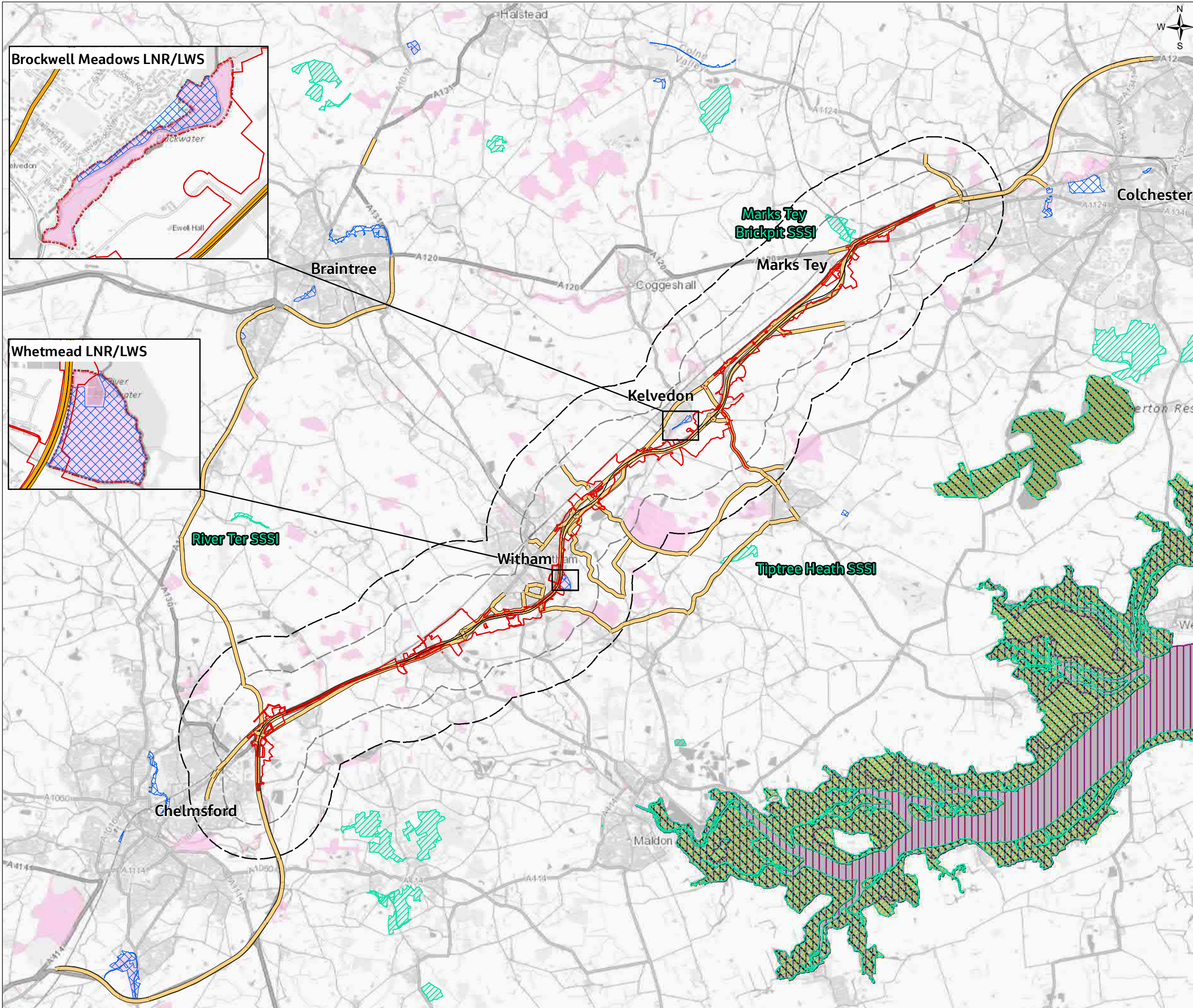
**PRELIMINARY ENVIRONMENTAL
INFORMATION REPORT**

**CHAPTER 9 – BIODIVERSITY
FIGURES**

FIGURE 9.1

Legend

- Provisional Order Limits
- Proposed Scheme Centreline
- Affected Road Network (ARN)
- 2km Study Area
- 1km Study Area
- Site of Special Scientific Interest (SSSI)
- Local Nature Reserve (LNR)
- Local Wildlife Site (LWS)
- Wetlands of International Importance (Ramsar)
- Special Areas of Conservation (SAC)
- Special Protection Areas (SPA)



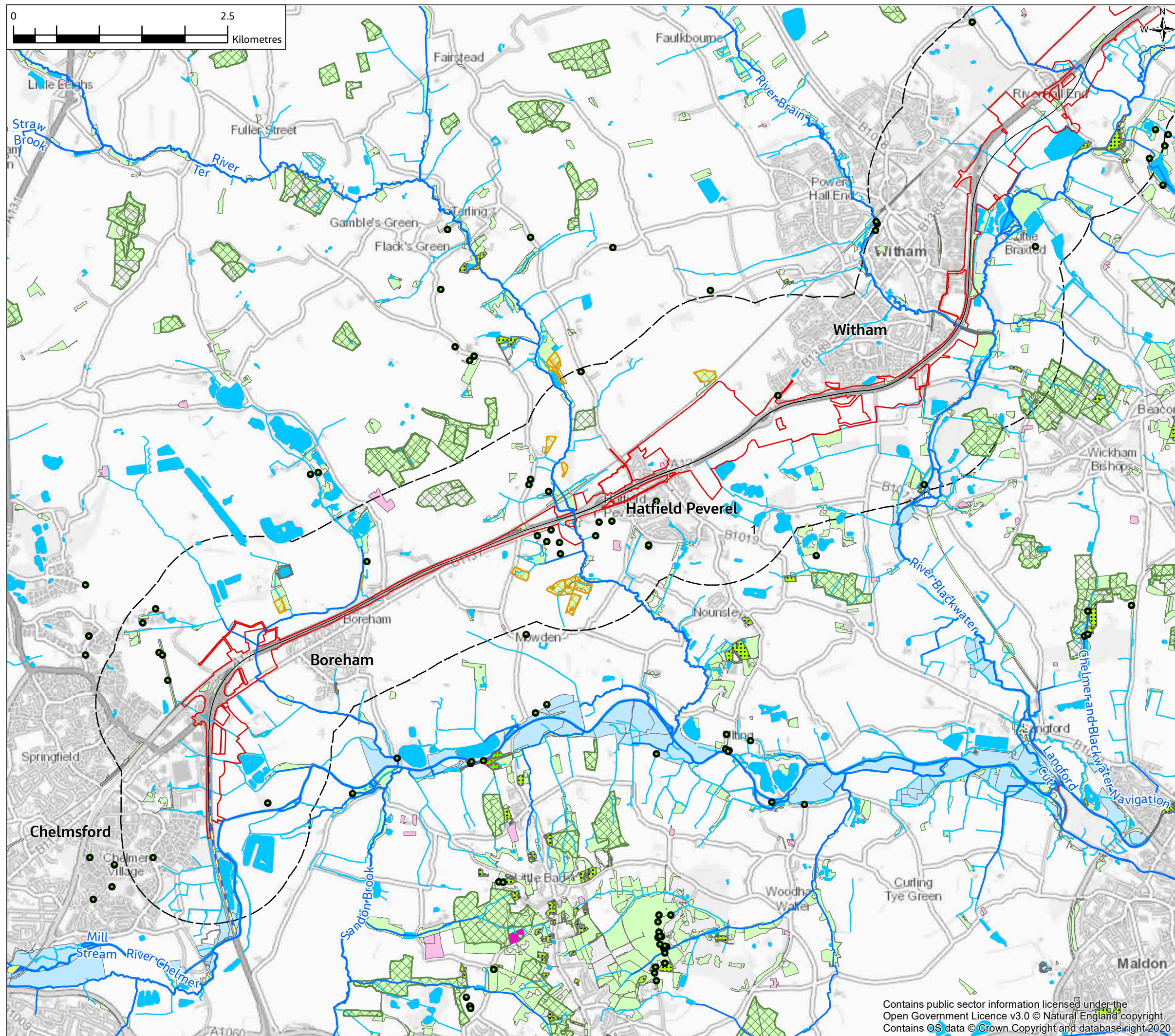
P03	28/04/21	For consultation	ML	BS	AJ	SG
Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Contractor			Designer			
			 Cottons Centre, Cottons Lane, London, SE1 2QG, UK. Tel: +44 (0)20 3980 2000 www.jacobs.com			
Client						
Project						
A12 CHELMSFORD TO A120 WIDENING SCHEME						
Drawing Title						
PEIR BIODIVERSITY DESIGNATED SITES SHEET 1 OF 1						
Drawing Status						
S4 - SUITABLE FOR STAGE APPROVAL						
Scale @ A3		1:110000			DO NOT SCALE	
Jacobs No.		B36601D1			Rev P03	
Client No.		HE551497				
Drawing Number						
HE551497-JAC-EBD-SCHW-SK-GI-0001						



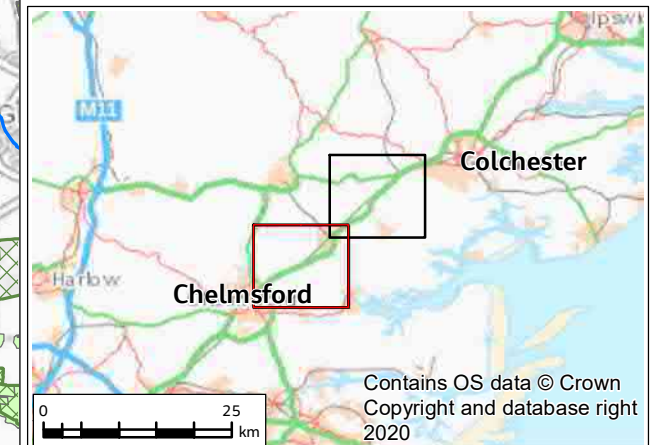
Contains public sector information licensed under the Open Government Licence v3.0 © Natural England copyright. Contains OS data © Crown Copyright and database right 2020

© Copyright 2021 Jacobs UK Limited. The concepts and information contained in this document are the property of Jacobs. Use or copying of this document in whole or in part without the written permission of Jacobs constitutes an infringement of copyright. Limitation: This drawing has been prepared on behalf of, and for the exclusive use of Jacobs' Client, and is subject to, and issued in accordance with, the provisions of the contract between Jacobs and the Client. Jacobs accepts no liability or responsibility whatsoever for, or in respect of, any use of, or reliance upon, this drawing by any third party.

FIGURE 9.2



- Legend**
- Provisional Order Limits
 - Proposed Scheme Centreline
 - 1km Study Area
 - Main river
 - Other watercourse
 - Waterbody
 - Veteran tree
 - Ancient Woodland Inventory site
 - Potential ancient woodland
- Priority Habitat**
- Coastal and floodplain grazing marsh
 - Lowland mixed deciduous woodland
 - Traditional orchard
 - No main habitat but additional habitats present - Coastal & floodplain marsh
 - No main habitat but additional habitats present - Deciduous woodland
 - No main habitat but additional habitats present - Lowland meadows
 - No main habitat but additional habitats present - Mudflats
 - No main habitat but additional habitats present - Reedbeds
 - No main habitat but additional habitats present - Traditional orchards



PO3	28/04/21	For consultation	ML	BS	AJ	SG
Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Contractor			Designer			
Client						
Project						
A12 CHELMSFORD TO A120 WIDENING SCHEME						
Drawing Title						
PEIR BIODIVERSITY IMPORTANT HABITATS SHEET 1 OF 2						
Drawing Status						
S4 - SUITABLE FOR STAGE APPROVAL						
Scale @ A3		1:43000			DO NOT SCALE	
Jacobs No.		B36601D1			Rev P03	
Client No.		HE551497				
Drawing Number						
HE551497-JAC-EBD-SCHW-SK-GI-0002						

Contains public sector information licensed under the Open Government Licence v3.0 © Natural England copyright. Contains OS data © Crown Copyright and database right 2020

© Copyright 2021 Jacobs U.K. Limited. The concepts and information contained in this document are the property of Jacobs. Use or copying of this document in whole or in part without the written permission of Jacobs constitutes an infringement of copyright. Limitation: This drawing has been prepared on behalf of, and for the exclusive use of Jacobs' Client, and is subject to, and issued in accordance with, the provisions of the contract between Jacobs and the Client. Jacobs accepts no liability or responsibility whatsoever for, or in respect of, any use of, or reliance upon, this drawing by any third party.

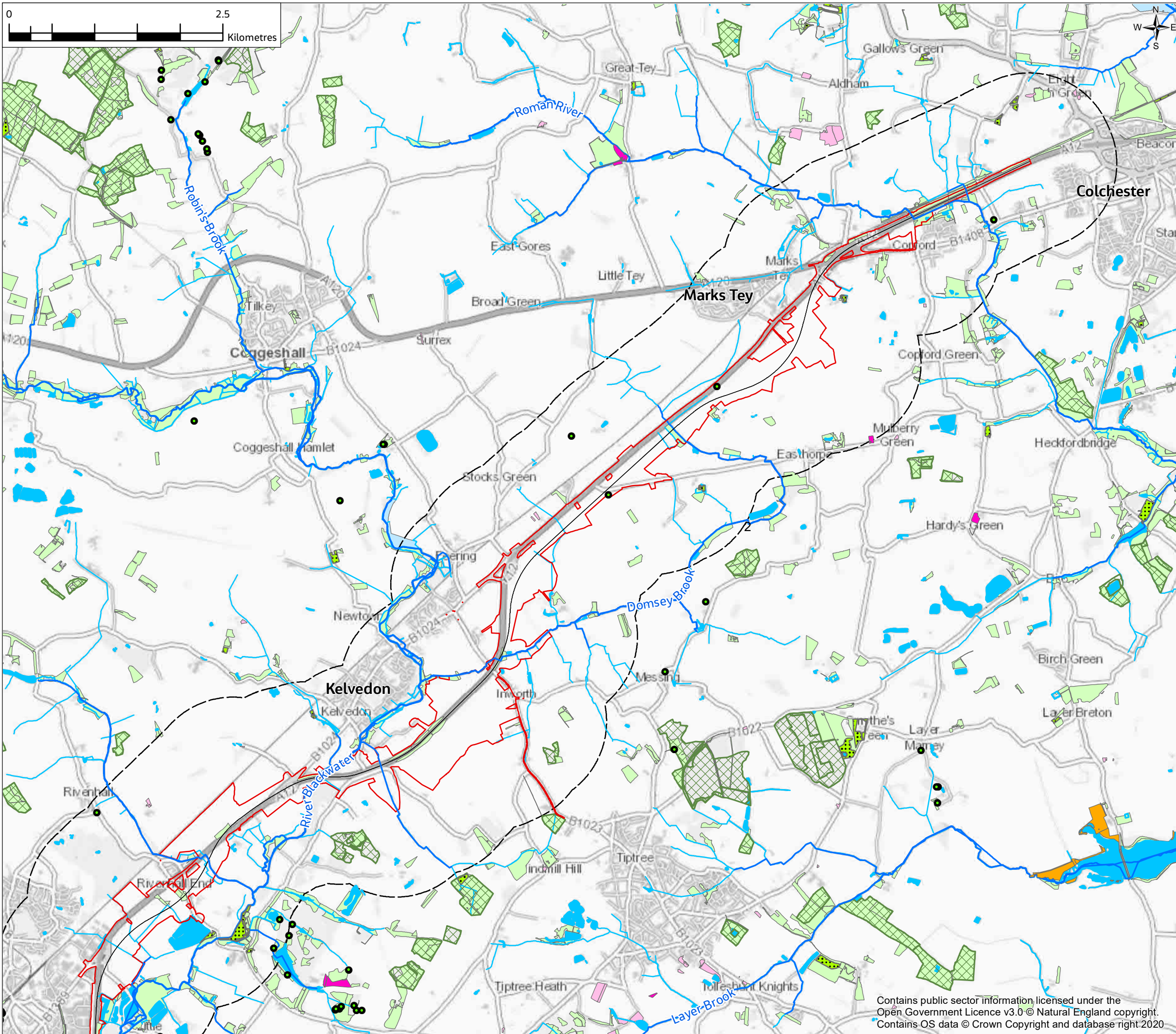
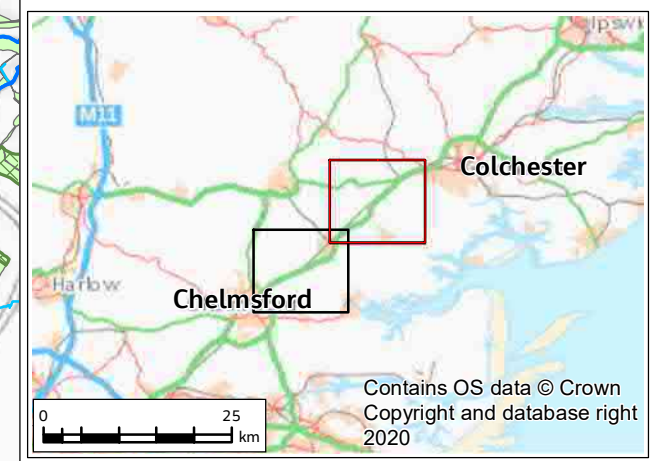


FIGURE 9.2

- Legend**
- Provisional Order Limits
 - Proposed Scheme Centreline
 - 1km Study Area
 - Main river
 - Other watercourse
 - Waterbody
 - Veteran tree
 - Ancient Woodland Inventory site
 - Potential ancient woodland
- Priority Habitat**
- Coastal and floodplain grazing marsh
 - Lowland mixed deciduous woodland
 - Traditional orchard
 - No main habitat but additional habitats present - Deciduous woodland
 - No main habitat but additional habitats present - Reedbeds
 - No main habitat but additional habitats present - Traditional orchards



PO3	28/04/21	For consultation	ML	BS	AJ	SG
Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Contractor			Designer			
			 Cottons Centre, Cottons Lane, London, SE1 2QG, UK. Tel: +44 (0)20 3980 2000 www.jacobs.com			
Client						
Project						
A12 CHELMSFORD TO A120 WIDENING SCHEME						
Drawing Title						
PEIR BIODIVERSITY IMPORTANT HABITATS SHEET 2 OF 2						
Drawing Status						
S4 - SUITABLE FOR STAGE APPROVAL						
Scale @ A3		1:43000			DO NOT SCALE	
Jacobs No.		B36601D1			Rev P03	
Client No.		HE551497				
Drawing Number						
HE551497-JAC-EBD-SCHW-SK-GI-0003						

Contains public sector information licensed under the Open Government Licence v3.0 © Natural England copyright.
Contains OS data © Crown Copyright and database right 2020

© Copyright 2021 Jacobs U.K. Limited. The concepts and information contained in this document are the property of Jacobs. Use or copying of this document in whole or in part without the written permission of Jacobs constitutes an infringement of copyright. Limitation: This drawing has been prepared on behalf of, and for the exclusive use of Jacobs' Client, and is subject to, and issued in accordance with, the provisions of the contract between Jacobs and the Client. Jacobs accepts no liability or responsibility whatsoever for, or in respect of, any use of, or reliance upon, this drawing by any third party.

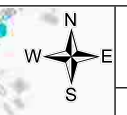
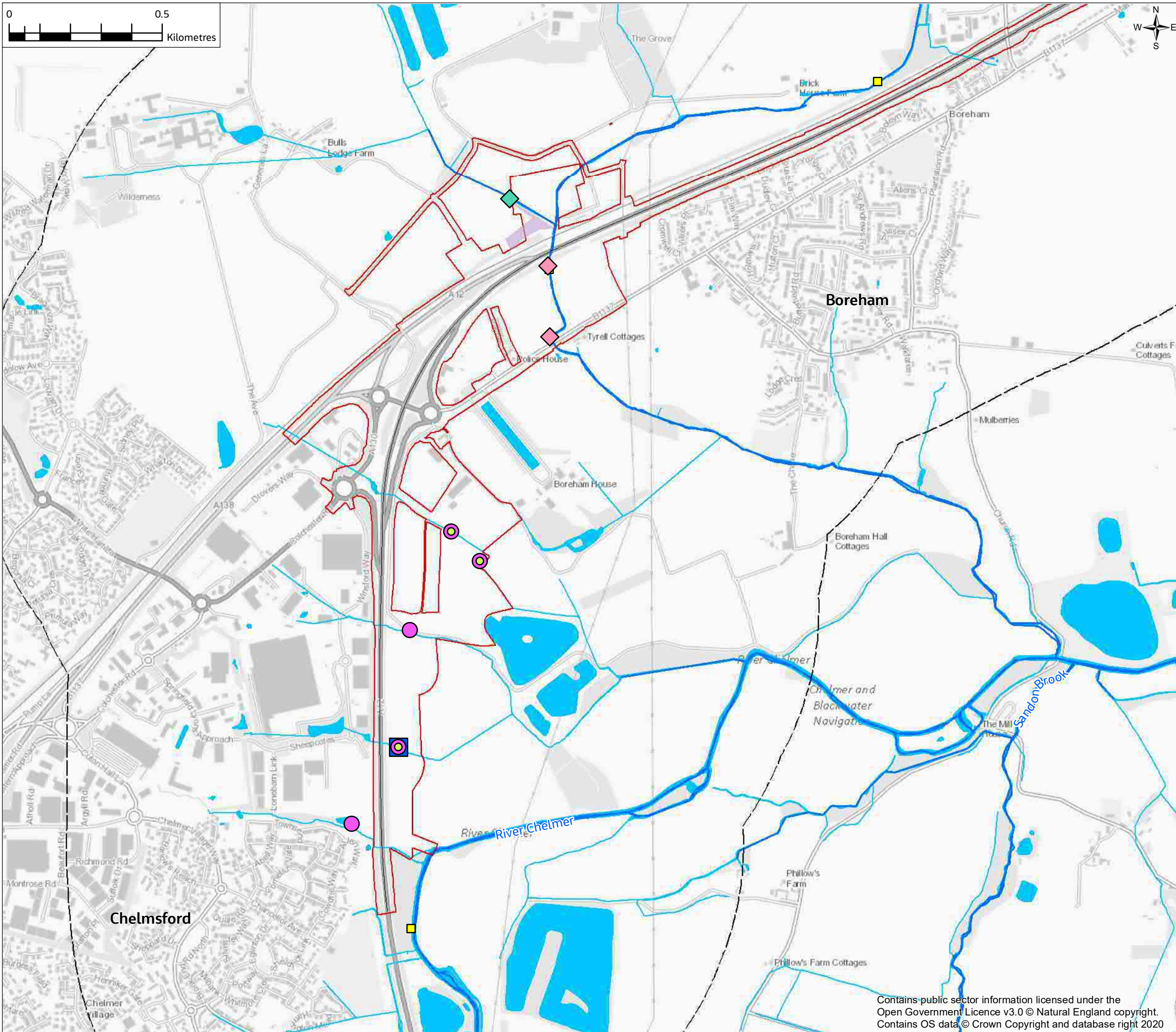
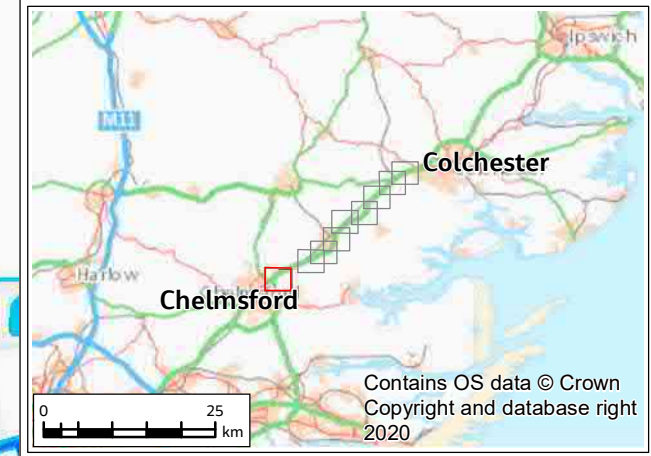


FIGURE 9.3



- Legend**
- Provisional Order Limits
 - Proposed Scheme Centreline
 - 1km Study Area
 - Main river
 - Other watercourse
 - Waterbody
 - Confirmed GCN Ponds
 - Lesser Calamint
 - Wall Bedstraw
 - Bat Tree - Confirmed Roost
 - Bat Structure - Confirmed Roost
 - Bat Building - Confirmed Roost
 - Type 1 (optimal)
 - Type 2 (sub-optimal)
 - Barn Owl Stage 3 Survey Results
 - Nest site
 - Recent roost site
 - Old roost site
 - Terrestrial Invertebrate Survey Sites
 - Terrestrial Invertebrate Survey Sites
 - Water Vole Survey Results - Sign
 - Burrow
 - Latrine
 - Runs
 - Otter sightings
 - Otter Survey Results - Sign
 - Spraint
 - Confirmed holt
 - Confirmed couch
 - Potential resting site
 - Footprint
 - Feeding remains
 - Mink evidence (scat, footprint)

Badger survey results intentionally omitted



P01	28/04/21	For consultation	ML	BS	AJ	SG
Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Contractor			Designer			
			 Cottons Centre, Cottons Lane, London, SE1 2GG, UK. Tel: +44 (0)20 3980 2000 www.jacobs.com			
Client						
Project						
A12 CHELMSFORD TO A120 WIDENING SCHEME						
Drawing Title						
PEIR BIODIVERSITY PRELIMINARY RESULTS FOR PROTECTED SPECIES SURVEYS SHEET 1 OF 9						
Drawing Status						
S4 - SUITABLE FOR STAGE APPROVAL						
Scale @ A3		1:12000			DO NOT SCALE	
Jacobs No.		B36601D1			Rev P01	
Client No.		HE551497				
Drawing Number						
HE551497-JAC-EBD-SCHW-SK-GI-0071						

Contains public sector information licensed under the Open Government Licence v3.0 © Natural England copyright. Contains OS data © Crown Copyright and database right 2020

© Copyright 2021 Jacobs UK Limited. The concepts and information contained in this document are the property of Jacobs. Use or copying of this document in whole or in part without the written permission of Jacobs constitutes an infringement of copyright. Limitation: This drawing has been prepared on behalf of, and for the exclusive use of Jacobs' Client, and is subject to, and issued in accordance with, the provisions of the contract between Jacobs and the Client. Jacobs accepts no liability or responsibility whatsoever for, or in respect of, any use of, or reliance upon, this drawing by any third party.

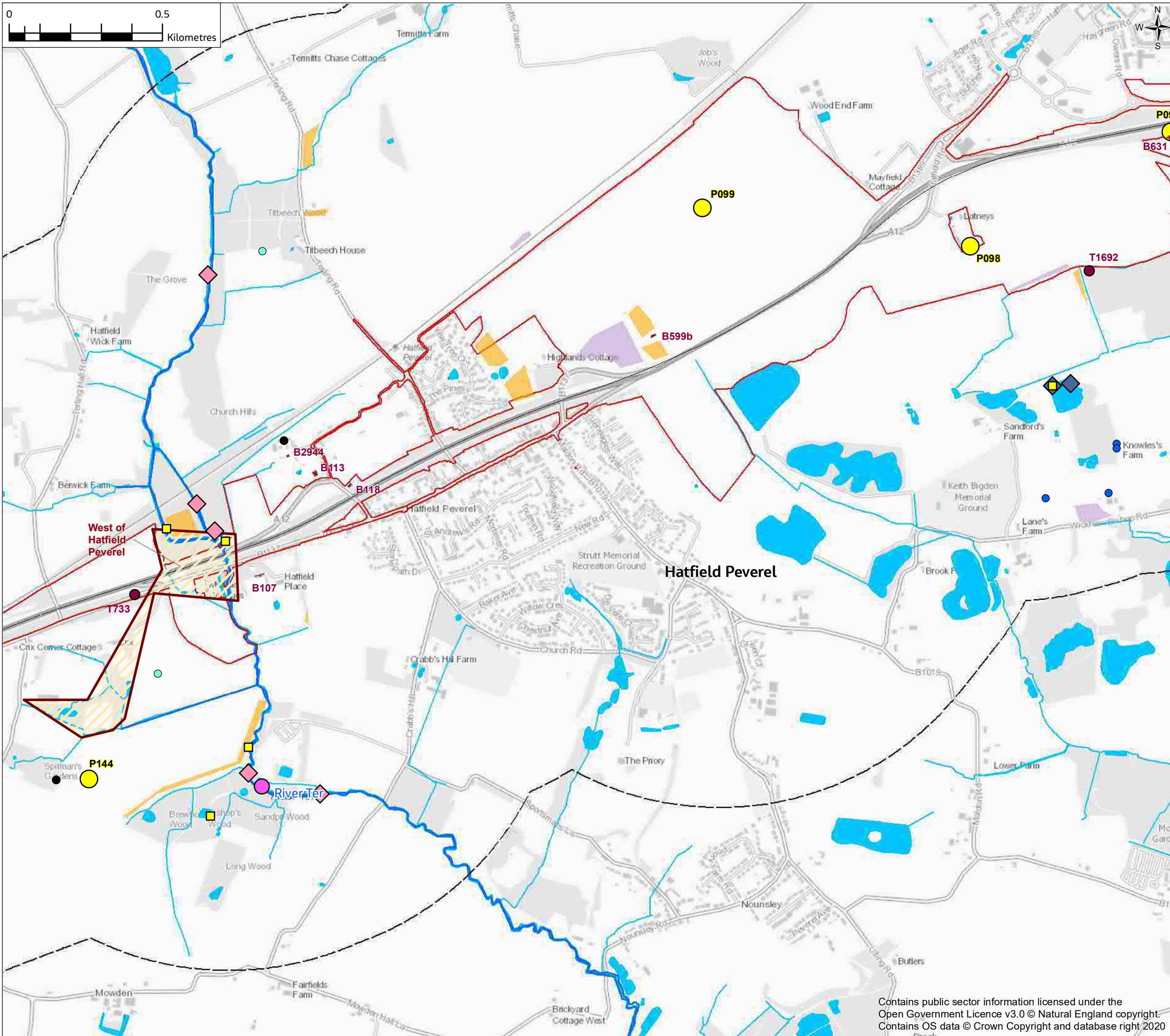
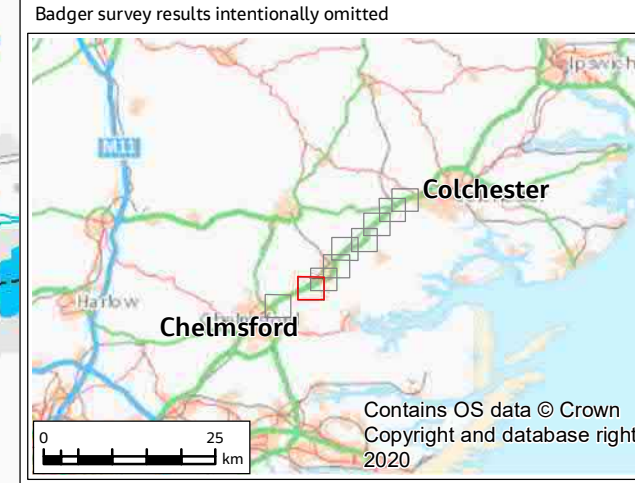


FIGURE 9.3

- Legend**
- Provisional Order Limits
 - Proposed Scheme Centreline
 - 1km Study Area
 - Main river
 - Other watercourse
 - Waterbody
 - Confirmed GCN Ponds
 - Lesser Calamint
 - Wall Bedstraw
 - Bat Tree - Confirmed Roost
 - Bat Structure - Confirmed Roost
 - Bat Building - Confirmed Roost
 - Barn Owl Primary Habitat
 - Type 1 (optimal)
 - Type 2 (sub-optimal)
 - Nest site
 - Recent roost site
 - Old roost site
 - Terrestrial Invertebrate Survey Sites
 - Terrestrial Invertebrate Survey Sites
 - Water Vole Survey Results - Sign
 - Burrow
 - Latrine
 - Runs
 - Otter Survey Results - Sign
 - Otter sightings
 - Spraint
 - Confirmed holt
 - Confirmed couch
 - Potential resting site
 - Footprint
 - Feeding remains
 - Mink evidence (scat, footprint)



P01	28/04/21	For consultation	ML	BS	AJ	SG
Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Contractor			Designer			
			 Cottons Centre, Cottons Lane, London, SE1 2QG, UK. Tel: +44 (0)20 3980 2000 www.jacobs.com			
Client						
Project						
A12 CHELMSFORD TO A120 WIDENING SCHEME						
Drawing Title						
PEIR BIODIVERSITY PRELIMINARY RESULTS FOR PROTECTED SPECIES SURVEYS SHEET 2 OF 9						
Drawing Status						
S4 - SUITABLE FOR STAGE APPROVAL						
Scale @ A3		1:12000			DO NOT SCALE	
Jacobs No.		B36601D1			Rev P01	
Client No.		HE551497				
Drawing Number						
HE551497-JAC-EBD-SCHW-SK-GI-0072						

Contains public sector information licensed under the Open Government Licence v3.0 © Natural England copyright. Contains OS data © Crown Copyright and database right 2020

© Copyright 2021 Jacobs UK Limited. The concepts and information contained in this document are the property of Jacobs. Use or copying of this document in whole or in part without the written permission of Jacobs constitutes an infringement of copyright. Limitation: This drawing has been prepared on behalf of, and for the exclusive use of Jacobs' Client, and is subject to, and issued in accordance with, the provisions of the contract between Jacobs and the Client. Jacobs accepts no liability or responsibility whatsoever for, or in respect of, any use of, or reliance upon, this drawing by any third party.

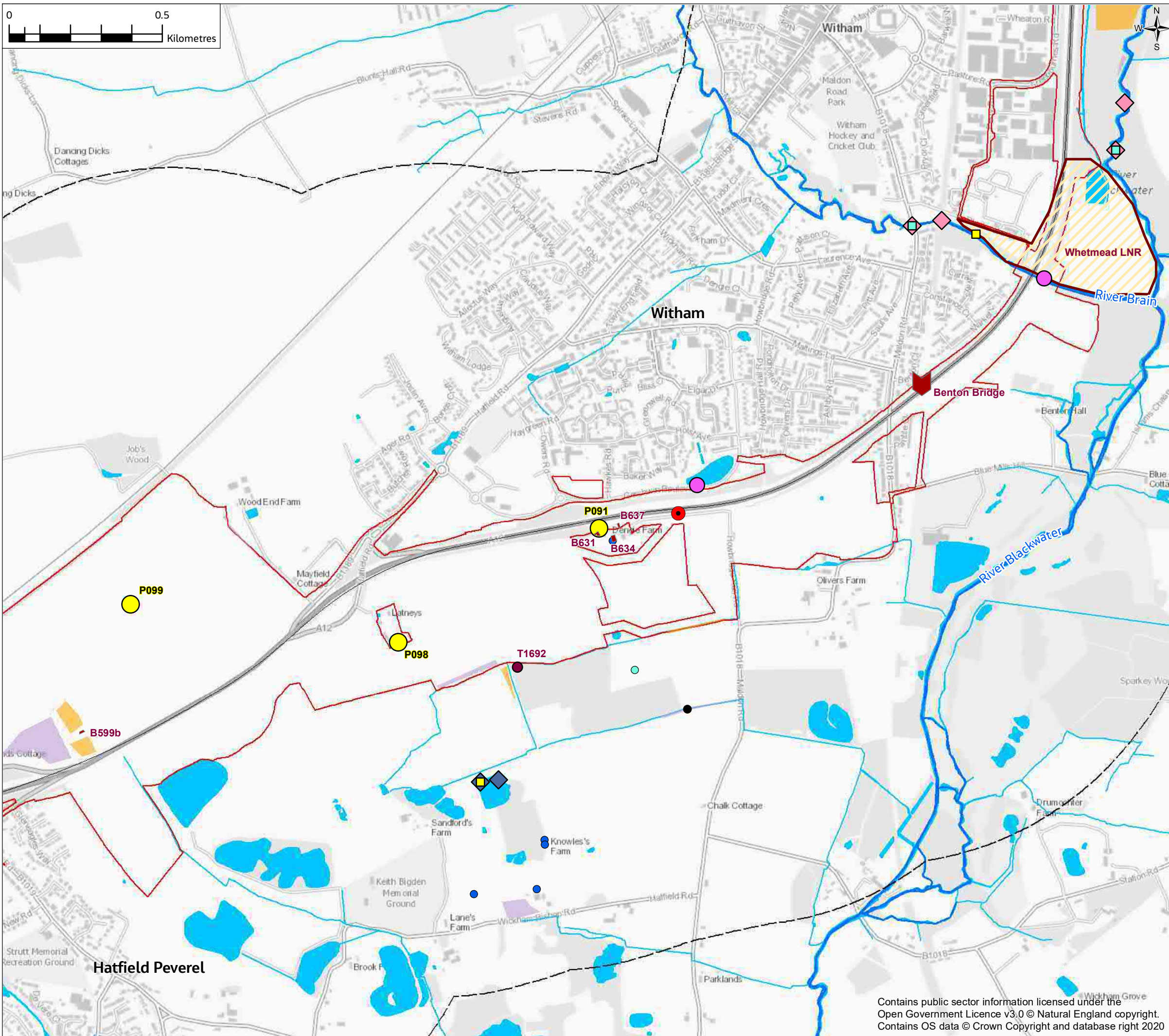
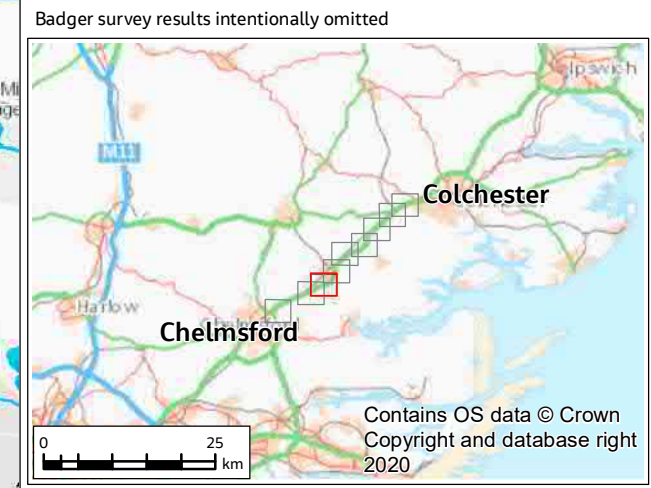


FIGURE 9.3

- Legend**
- Provisional Order Limits
 - Proposed Scheme Centreline
 - 1km Study Area
 - Main river
 - Other watercourse
 - Waterbody
 - Confirmed GCN Ponds
 - Lesser Calamint
 - Wall Bedstraw
 - Bat Tree - Confirmed Roost
 - Bat Structure - Confirmed Roost
 - Bat Building - Confirmed Roost
 - Type 1 (optimal)
 - Type 2 (sub-optimal)
 - Barn Owl Stage 3 Survey Results
 - Nest site
 - Recent roost site
 - Old roost site
 - Terrestrial Invertebrate Survey Sites
 - Water Vole Survey Results - Sign
 - Burrow
 - Latrine
 - Runs
 - Otter Survey Results - Sign
 - Otter sightings
 - Spraint
 - Confirmed holt
 - Confirmed couch
 - Potential resting site
 - Footprint
 - Feeding remains
 - Mink evidence (scat, footprint)



P01	28/04/21	For consultation	ML	BS	AJ	SG
Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Contractor			Designer			
			 Cottons Centre, Cottons Lane, London, SE1 2QG, UK. Tel: +44 (0)20 3980 2000 www.jacobs.com			
Client						
Project						
A12 CHELMSFORD TO A120 WIDENING SCHEME						
Drawing Title						
PEIR BIODIVERSITY PRELIMINARY RESULTS FOR PROTECTED SPECIES SURVEYS SHEET 3 OF 9						
Drawing Status						
S4 - SUITABLE FOR STAGE APPROVAL						
Scale @ A3		1:12000			DO NOT SCALE	
Jacobs No.		B36601D1			Rev P01	
Client No.		HE551497				
Drawing Number						
HE551497-JAC-EBD-SCHW-SK-GI-0073						

Contains public sector information licensed under the Open Government Licence v3.0 © Natural England copyright. Contains OS data © Crown Copyright and database right 2020

© Copyright 2021 Jacobs UK Limited. The concepts and information contained in this document are the property of Jacobs. Use or copying of this document in whole or in part without the written permission of Jacobs constitutes an infringement of copyright. Limitation: This drawing has been prepared on behalf of, and for the exclusive use of Jacobs' Client, and is subject to, and issued in accordance with, the provisions of the contract between Jacobs and the Client. Jacobs accepts no liability or responsibility whatsoever for, or in respect of, any use of, or reliance upon, this drawing by any third party.

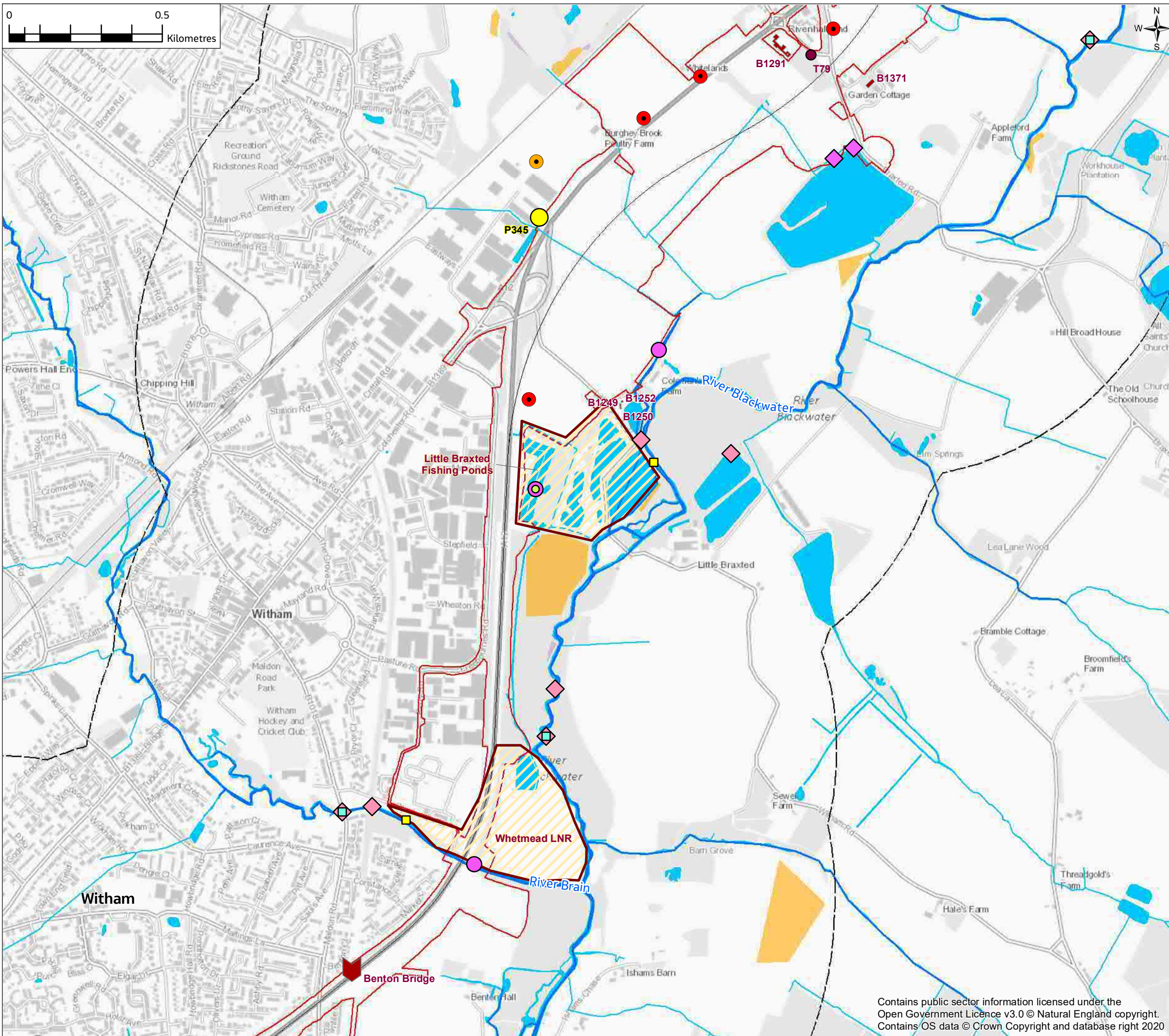
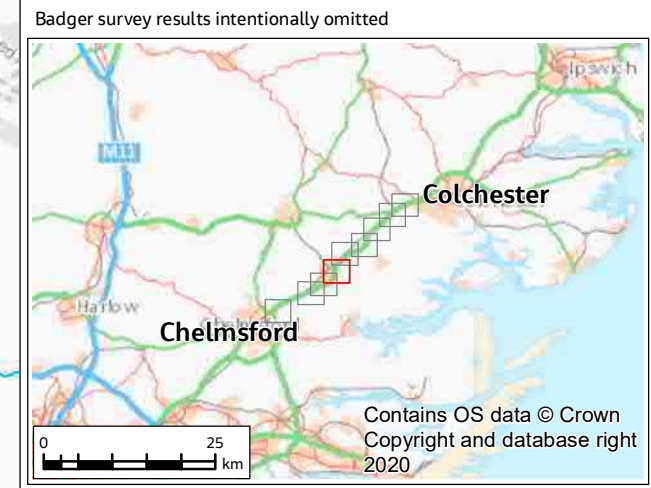


FIGURE 9.3

- Legend**
- Provisional Order Limits
 - Proposed Scheme Centreline
 - 1km Study Area
 - Main river
 - Other watercourse
 - Waterbody
 - Confirmed GCN Ponds
 - Lesser Calamint
 - Wall Bedstraw
 - Bat Tree - Confirmed Roost
 - Bat Structure - Confirmed Roost
 - Bat Building - Confirmed Roost
 - Type 1 (optimal)
 - Type 2 (sub-optimal)
 - Barn Owl Stage 3 Survey Results
 - Nest site
 - Recent roost site
 - Old roost site
 - Terrestrial Invertebrate Survey Sites
 - Terrestrial Invertebrate Survey Sites
 - Water Vole Survey Results - Sign
 - Burrow
 - Latrine
 - Runs
 - Otter Survey Results - Sign
 - Otter sightings
 - Spraint
 - Confirmed holt
 - Confirmed couch
 - Potential resting site
 - Footprint
 - Feeding remains
 - Mink evidence (scat, footprint)



P01	28/04/21	For consultation	ML	BS	AJ	SG
Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Contractor			Designer			
			 Cottons Centre, Cottons Lane, London, SE1 2GG, UK. Tel: +44 (0)20 3980 2000 www.jacobs.com			
Client						
Project						
A12 CHELMSFORD TO A120 WIDENING SCHEME						
Drawing Title						
PEIR BIODIVERSITY PRELIMINARY RESULTS FOR PROTECTED SPECIES SURVEYS SHEET 4 OF 9						
Drawing Status						
S4 - SUITABLE FOR STAGE APPROVAL						
Scale @ A3		1:12000			DO NOT SCALE	
Jacobs No.		B36601D1			Rev P01	
Client No.		HE551497			Rev P01	
Drawing Number						
HE551497-JAC-EBD-SCHW-SK-GI-0074						

Contains public sector information licensed under the Open Government Licence v3.0 © Natural England copyright. Contains OS data © Crown Copyright and database right 2020

© Copyright 2021 Jacobs UK Limited. The concepts and information contained in this document are the property of Jacobs. Use or copying of this document in whole or in part without the written permission of Jacobs constitutes an infringement of copyright. Limitation: This drawing has been prepared on behalf of, and for the exclusive use of Jacobs' Client, and is subject to, and issued in accordance with, the provisions of the contract between Jacobs and the Client. Jacobs accepts no liability or responsibility whatsoever for, or in respect of, any use of, or reliance upon, this drawing by any third party.

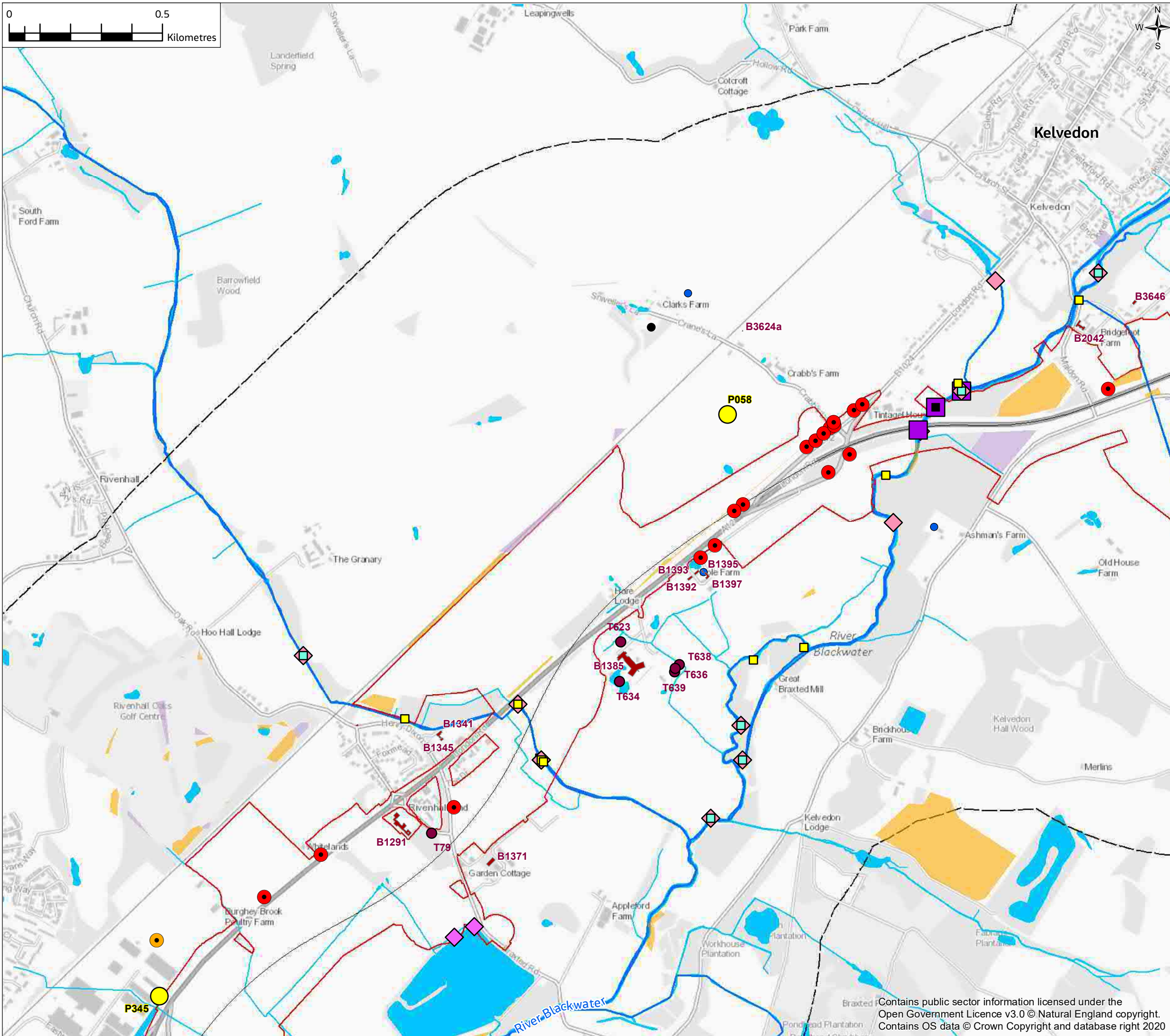
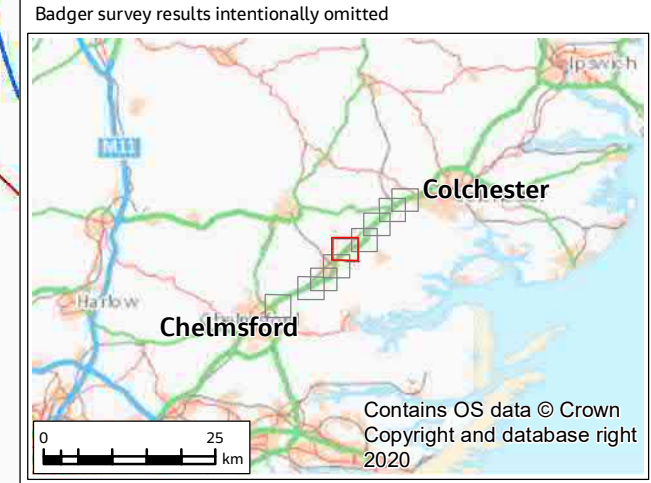


FIGURE 9.3

- Legend**
- Provisional Order Limits
 - Proposed Scheme Centreline
 - 1km Study Area
 - Main river
 - Other watercourse
 - Waterbody
 - Confirmed GCN Ponds
 - Type 1 (optimal)
 - Type 2 (sub-optimal)
- Protected and Notable Plants**
- Lesser Calamint
 - Wall Bedstraw
- Bat Survey Results**
- Bat Tree - Confirmed Roost
 - Bat Structure - Confirmed Roost
 - Bat Building - Confirmed Roost
- Barn Owl Primary Habitat**
- Type 1 (optimal)
 - Type 2 (sub-optimal)
- Barn Owl Stage 3 Survey Results**
- Nest site
 - Recent roost site
 - Old roost site
- Terrestrial Invertebrate Survey Sites**
- Terrestrial Invertebrate Survey Sites
- Water Vole Survey Results - Sign**
- Burrow
 - Latrine
 - Runs
- Otter Survey Results - Sign**
- Otter sightings
 - Spraint
 - Confirmed holt
 - Confirmed couch
 - Potential resting site
 - Footprint
 - Feeding remains
 - Mink evidence (scat, footprint)



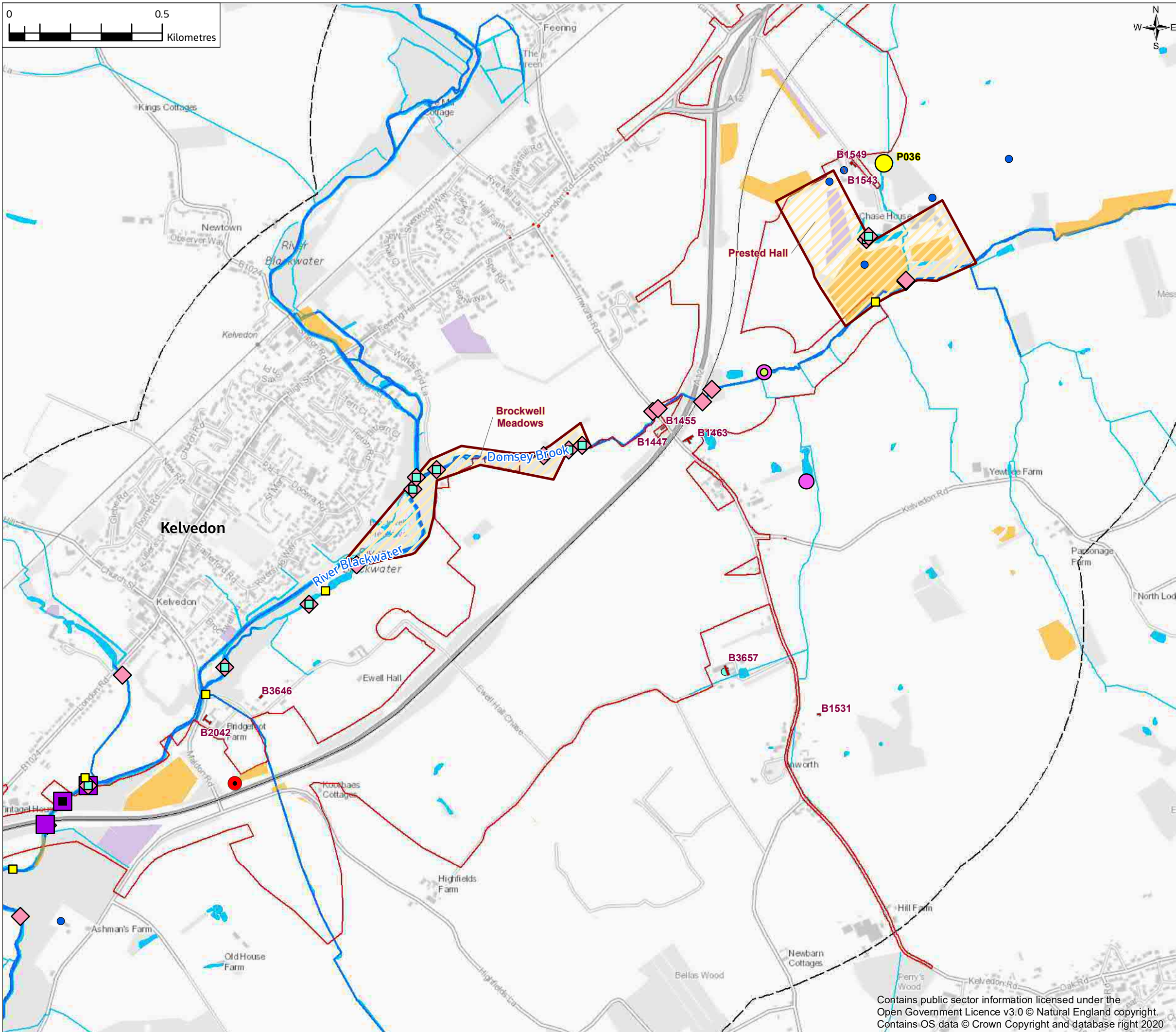
P01	28/04/21	For consultation	ML	BS	AJ	SG
Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Contractor			Designer			
			 Cottons Centre, Cottons Lane, London, SE1 2QG, UK. Tel: +44 (0)20 3980 2000 www.jacobs.com			
Client						
Project						
A12 CHELMSFORD TO A120 WIDENING SCHEME						
Drawing Title						
PEIR BIODIVERSITY PRELIMINARY RESULTS FOR PROTECTED SPECIES SURVEYS SHEET 5 OF 9						
Drawing Status						
S4 - SUITABLE FOR STAGE APPROVAL						
Scale @ A3		1:12000	DO NOT SCALE			
Jacobs No.		B36601D1	Rev P01			
Client No.		HE551497				
Drawing Number						
HE551497-JAC-EBD-SCHW-SK-GI-0075						

Contains public sector information licensed under the Open Government Licence v3.0 © Natural England copyright. Contains OS data © Crown Copyright and database right 2020

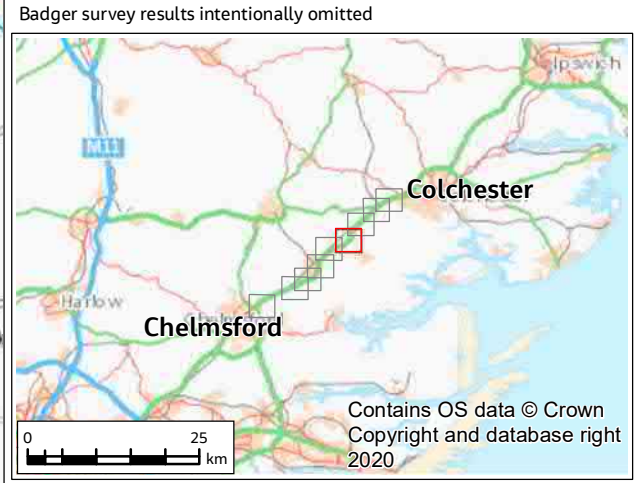
© Copyright 2021 Jacobs UK Limited. The concepts and information contained in this document are the property of Jacobs. Use or copying of this document in whole or in part without the written permission of Jacobs constitutes an infringement of copyright. Limitation: This drawing has been prepared on behalf of, and for the exclusive use of Jacobs' Client, and is subject to, and issued in accordance with, the provisions of the contract between Jacobs and the Client. Jacobs accepts no liability or responsibility whatsoever for, or in respect of, any use of, or reliance upon, this drawing by any third party.



FIGURE 9.3



- Legend**
- Provisional Order Limits
 - Proposed Scheme Centreline
 - 1km Study Area
 - Main river
 - Other watercourse
 - Waterbody
 - Confirmed GCN Ponds
 - Lesser Calamint
 - Wall Bedstraw
 - Bat Tree - Confirmed Roost
 - Bat Structure - Confirmed Roost
 - Bat Building - Confirmed Roost
 - Barn Owl Primary Habitat Type 1 (optimal)
 - Barn Owl Primary Habitat Type 2 (sub-optimal)
 - Barn Owl Stage 3 Survey Results
 - Nest site
 - Recent roost site
 - Old roost site
 - Terrestrial Invertebrate Survey Sites
 - Terrestrial Invertebrate Survey Sites
 - Water Vole Survey Results - Sign
 - Burrow
 - Latrine
 - Runs
 - Otter Survey Results - Sign
 - Otter sightings
 - Spraint
 - Confirmed holt
 - Confirmed couch
 - Potential resting site
 - Footprint
 - Feeding remains
 - Mink evidence (scat, footprint)



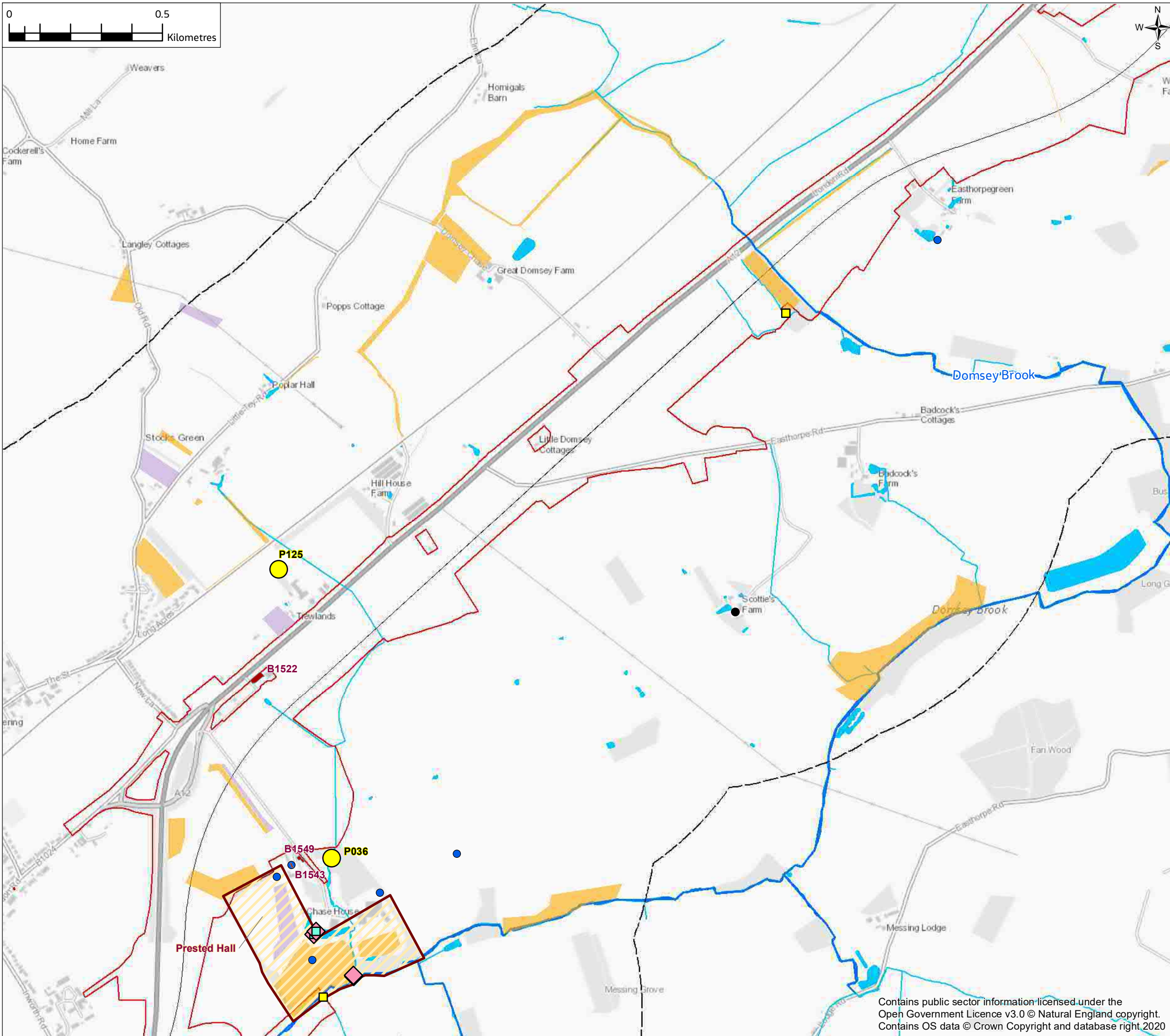
P01	28/04/21	For consultation	ML	BS	AJ	SG
Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Contractor			Designer			
			 Cottons Centre, Cottons Lane, London, SE1 2GG, UK. Tel: +44 (0)20 3980 2000 www.jacobs.com			
Client						
Project						
A12 CHELMSFORD TO A120 WIDENING SCHEME						
Drawing Title						
PEIR BIODIVERSITY PRELIMINARY RESULTS FOR PROTECTED SPECIES SURVEYS SHEET 6 OF 9						
Drawing Status						
S4 - SUITABLE FOR STAGE APPROVAL						
Scale @ A3			1:12000		DO NOT SCALE	
Jacobs No.			B36601D1		Rev P01	
Client No.			HE551497			
Drawing Number						
HE551497-JAC-EBD-SCHW-SK-GI-0076						

Contains public sector information licensed under the Open Government Licence v3.0 © Natural England copyright. Contains OS data © Crown Copyright and database right 2020

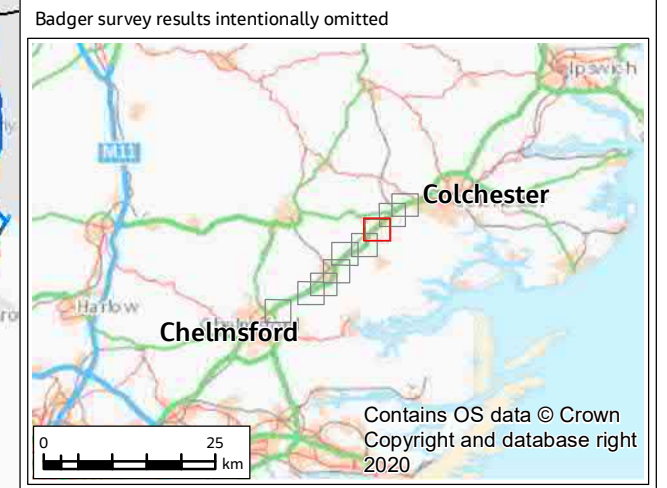
© Copyright 2021 Jacobs UK Limited. The concepts and information contained in this document are the property of Jacobs. Use or copying of this document in whole or in part without the written permission of Jacobs constitutes an infringement of copyright. Limitation: This drawing has been prepared on behalf of, and for the exclusive use of Jacobs' Client, and is subject to, and issued in accordance with, the provisions of the contract between Jacobs and the Client. Jacobs accepts no liability or responsibility whatsoever for, or in respect of, any use of, or reliance upon, this drawing by any third party.



FIGURE 9.3



- Legend**
- Provisional Order Limits
 - Proposed Scheme Centreline
 - 1km Study Area
 - Main river
 - Other watercourse
 - Waterbody
 - Confirmed GCN Ponds
 - Lesser Calamint
 - Wall Bedstraw
 - Bat Tree - Confirmed Roost
 - Bat Structure - Confirmed Roost
 - Bat Building - Confirmed Roost
 - Barn Owl Primary Habitat Type 1 (optimal)
 - Barn Owl Primary Habitat Type 2 (sub-optimal)
 - Barn Owl Stage 3 Survey Results
 - Nest site
 - Recent roost site
 - Old roost site
 - Terrestrial Invertebrate Survey Sites
 - Water Vole Survey Results - Sign
 - Burrow
 - Latrine
 - Runs
 - Otter sightings
 - Spraint
 - Confirmed holt
 - Confirmed couch
 - Potential resting site
 - Footprint
 - Feeding remains
 - Mink evidence (scat, footprint)



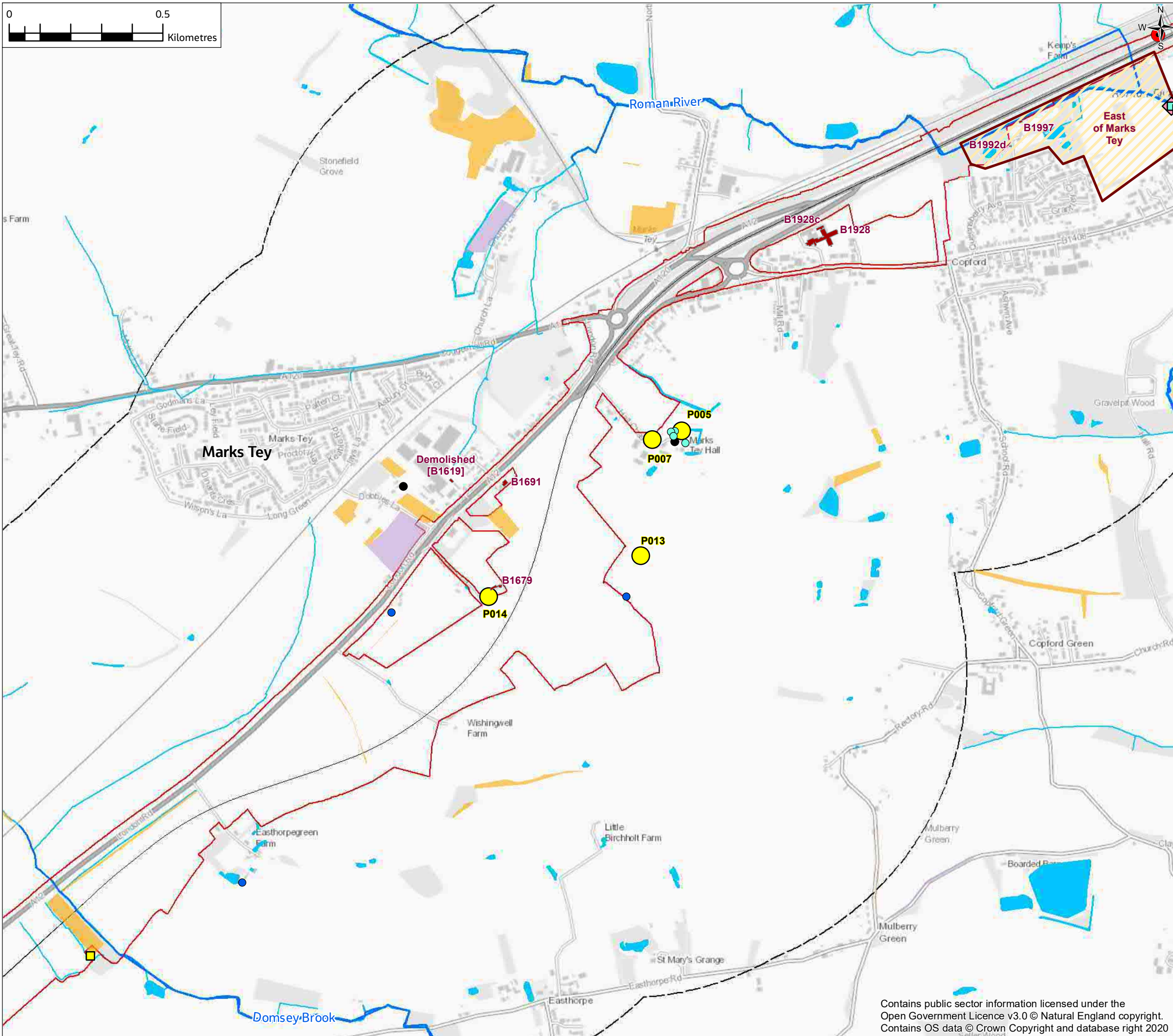
P01	28/04/21	For consultation	ML	BS	AJ	SG
Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Contractor			Designer			
			 Cottons Centre, Cottons Lane, London, SE1 2QG, UK. Tel: +44 (0)20 3980 2000 www.jacobs.com			
Client						
Project						
A12 CHELMSFORD TO A120 WIDENING SCHEME						
Drawing Title						
PEIR BIODIVERSITY PRELIMINARY RESULTS FOR PROTECTED SPECIES SURVEYS SHEET 7 OF 9						
Drawing Status						
S4 - SUITABLE FOR STAGE APPROVAL						
Scale @ A3		1:12000			DO NOT SCALE	
Jacobs No.		B36601D1			Rev P01	
Client No.		HE551497				
Drawing Number						
HE551497-JAC-EBD-SCHW-SK-GI-0077						

Contains public sector information licensed under the Open Government Licence v3.0 © Natural England copyright. Contains OS data © Crown Copyright and database right 2020

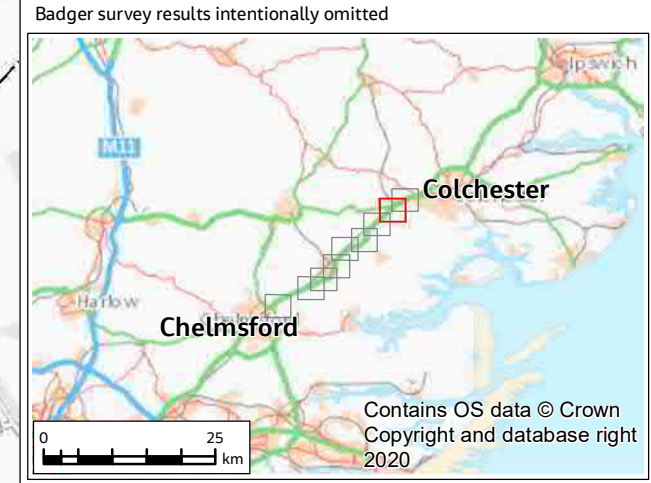
© Copyright 2021 Jacobs UK Limited. The concepts and information contained in this document are the property of Jacobs. Use or copying of this document in whole or in part without the written permission of Jacobs constitutes an infringement of copyright. Limitation: This drawing has been prepared on behalf of, and for the exclusive use of Jacobs' Client, and is subject to, and issued in accordance with, the provisions of the contract between Jacobs and the Client. Jacobs accepts no liability or responsibility whatsoever for, or in respect of, any use of, or reliance upon, this drawing by any third party.



FIGURE 9.3



- Legend**
- Provisional Order Limits
 - Proposed Scheme Centreline
 - 1km Study Area
 - Main river
 - Other watercourse
 - Waterbody
 - Confirmed GCN Ponds
 - Protected and Notable Plants
 - Lesser Calamint
 - Wall Bedstraw
 - Bat Survey Results
 - Bat Tree - Confirmed Roost
 - Bat Structure - Confirmed Roost
 - Bat Building - Confirmed Roost
 - Barn Owl Primary Habitat
 - Type 1 (optimal)
 - Type 2 (sub-optimal)
 - Barn Owl Stage 3 Survey Results
 - Nest site
 - Recent roost site
 - Old roost site
 - Terrestrial Invertebrate Survey Sites
 - Water Vole Survey Results - Sign
 - Burrow
 - Latrine
 - Runs
 - Otter Survey Results - Sign
 - Otter sightings
 - Spraint
 - Confirmed holt
 - Confirmed couch
 - Potential resting site
 - Footprint
 - Feeding remains
 - Mink evidence (scat, footprint)



P01	28/04/21	For consultation	ML	BS	AJ	SG
Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Contractor			Designer			
			 Cottons Centre, Cottons Lane, London, SE1 2QG, UK. Tel: +44 (0)20 3980 2000 www.jacobs.com			
Client						
Project						
A12 CHELMSFORD TO A120 WIDENING SCHEME						
Drawing Title						
PEIR BIODIVERSITY PRELIMINARY RESULTS FOR PROTECTED SPECIES SURVEYS SHEET 8 OF 9						
Drawing Status						
S4 - SUITABLE FOR STAGE APPROVAL						
Scale @ A3		1:12000			DO NOT SCALE	
Jacobs No.		B36601D1			Rev P01	
Client No.		HE551497				
Drawing Number						
HE551497-JAC-EBD-SCHW-SK-GI-0078						

Contains public sector information licensed under the Open Government Licence v3.0 © Natural England copyright. Contains OS data © Crown Copyright and database right 2020

© Copyright 2021 Jacobs UK Limited. The concepts and information contained in this document are the property of Jacobs. Use or copying of this document in whole or in part without the written permission of Jacobs constitutes an infringement of copyright. Limitation: This drawing has been prepared on behalf of, and for the exclusive use of Jacobs' Client, and is subject to, and issued in accordance with, the provisions of the contract between Jacobs and the Client. Jacobs accepts no liability or responsibility whatsoever for, or in respect of, any use of, or reliance upon, this drawing by any third party.

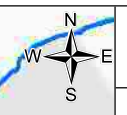
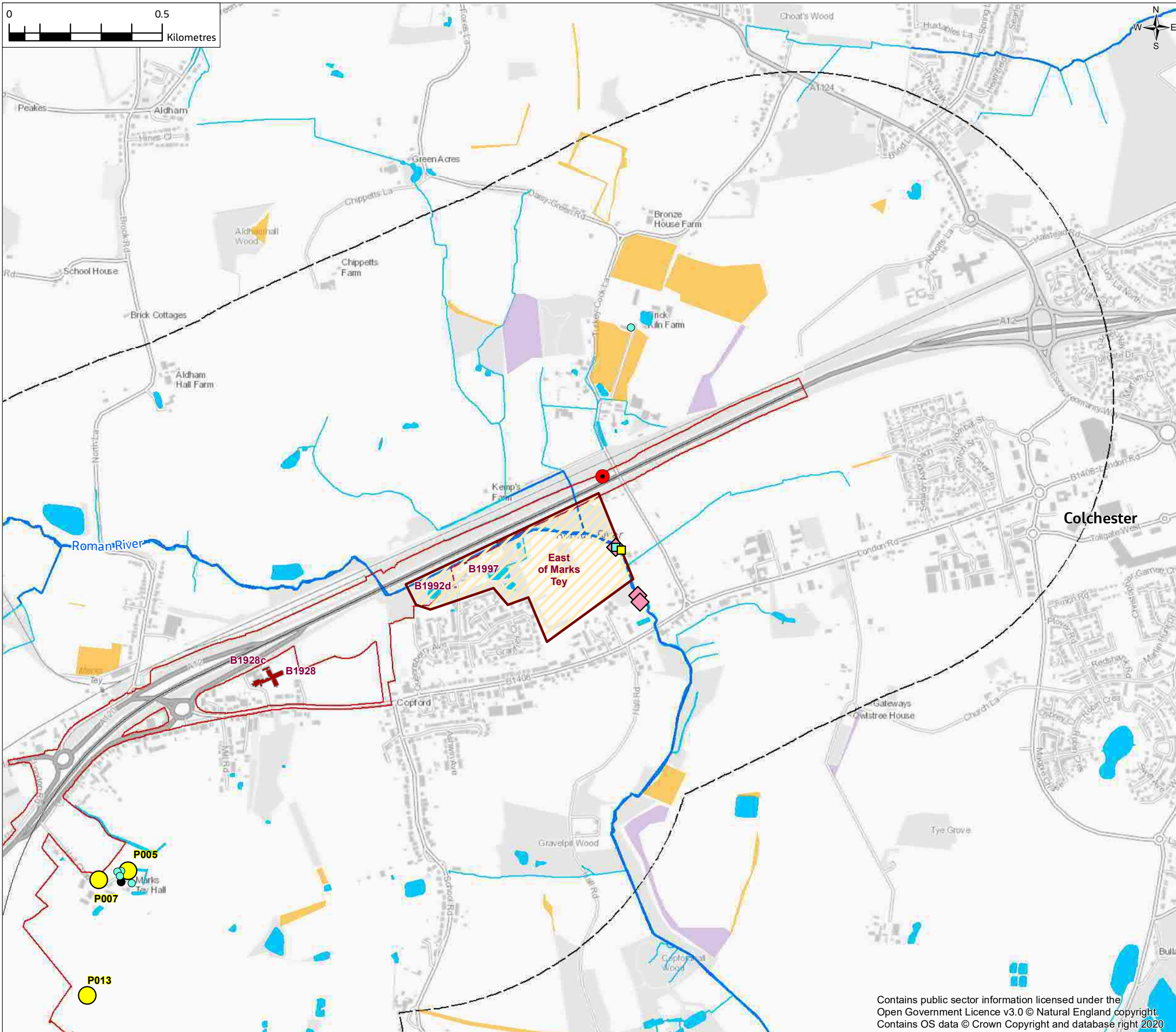
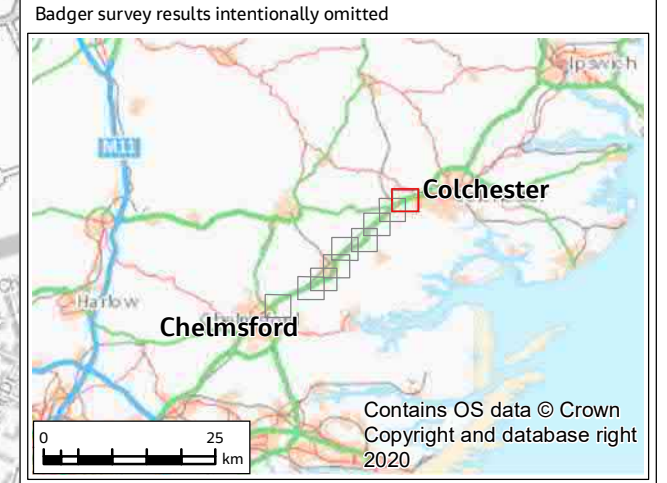


FIGURE 9.3



- Legend**
- Provisional Order Limits
 - Proposed Scheme Centreline
 - 1km Study Area
 - Main river
 - Other watercourse
 - Waterbody
 - Confirmed GCN Ponds
 - Lesser Calamint
 - Wall Bedstraw
 - Bat Tree - Confirmed Roost
 - Bat Structure - Confirmed Roost
 - Bat Building - Confirmed Roost
 - Barn Owl Primary Habitat Type 1 (optimal)
 - Barn Owl Primary Habitat Type 2 (sub-optimal)
 - Barn Owl Stage 3 Survey Results
 - Nest site
 - Recent roost site
 - Old roost site
 - Terrestrial Invertebrate Survey Sites
 - Burrow
 - Latrine
 - Runs
 - Otter sightings
 - Spraint
 - Confirmed holt
 - Confirmed couch
 - Potential resting site
 - Footprint
 - Feeding remains
 - Mink evidence (scat, footprint)



P01	28/04/21	For consultation	ML	BS	AJ	SG
Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Contractor			Designer			
			 Cottons Centre, Cottons Lane, London, SE1 2GG, UK. Tel: +44 (0)20 3980 2000 www.jacobs.com			
Client						
Project						
A12 CHELMSFORD TO A120 WIDENING SCHEME						
Drawing Title						
PEIR BIODIVERSITY PRELIMINARY RESULTS FOR PROTECTED SPECIES SURVEYS SHEET 9 OF 9						
Drawing Status						
S4 - SUITABLE FOR STAGE APPROVAL						
Scale @ A3	1:12000					DO NOT SCALE
Jacobs No.	B36601D1					Rev
Client No.	HE551497					P01
Drawing Number						
HE551497-JAC-EBD-SCHW-SK-GI-0079						

Contains public sector information licensed under the Open Government Licence v3.0 © Natural England copyright. Contains OS data © Crown Copyright and database right 2020

© Copyright 2021 Jacobs UK Limited. The concepts and information contained in this document are the property of Jacobs. Use or copying of this document in whole or in part without the written permission of Jacobs constitutes an infringement of copyright. Limitation: This drawing has been prepared on behalf of, and for the exclusive use of Jacobs' Client, and is subject to, and issued in accordance with, the provisions of the contract between Jacobs and the Client. Jacobs accepts no liability or responsibility whatsoever for, or in respect of, any use of, or reliance upon, this drawing by any third party.