

HIGH SPEED RAIL (LONDON - WEST MIDLANDS)

Supplementary Environmental Statement 3 and
Additional Provision 4 Environmental Statement

Volume 5 | Technical appendices map book
Ecology

October 2015

SES3 and AP4 ES 3.5.2.5

HIGH SPEED RAIL (LONDON - WEST MIDLANDS)

Supplementary Environmental Statement 3 and
Additional Provision 4 Environmental Statement

Volume 5 | Technical appendices map book
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SES3 and AP4 ES 3.5.2.5



Department
for Transport

High Speed Two (HS2) Limited has been tasked by the Department for Transport (DfT) with managing the delivery of a new national high speed rail network. It is a non-departmental public body wholly owned by the DfT.

A report prepared for High Speed Two (HS2) Limited:

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Map series description	<i>This map series shows the results of amphibian surveys conducted to inform the Environmental Assessment. It principally details the results of great crested newt surveys conducted. In addition it shows the location of those 'exceptional' populations of common amphibians recorded.</i>
Community Forum Area name	
CFA 04 – Kilburn (Brent) to Old Oak Common	x
CFA 05 – Northolt Corridor	x
CFA 06 – South Ruislip to Ickenham	✓
CFA 07 – Colne Valley	✓
CFA 08 – The Chalfonts and Amersham	x
CFA 09 – Central Chilterns	✓
CFA 10 – Dunsmore, Wendover and Halton	x
CFA 11 – Stoke Mandeville and Aylesbury	x
CFA 12 – Waddesdon and Quainton	✓
CFA 13 – Calvert, Steeple Claydon, Twyford and Chetwode	✓
CFA 14 – Newton Purcell to Brackley	✓
CFA 15 – Greatworth to Lower Boddington	✓
CFA 16 – Ladbroke and Southam	✓
CFA 17 – Offchurch and Cubbington	✓
CFA 18 – Stoneleigh, Kenilworth and Burton Green	✓
CFA 19 – Coleshill Junction	✓
CFA 20 – Curdworth to Middleton	✓
CFA 21 – Drayton Bassett, Hints and Weeford	✓
CFA 22 – Whittington to Handsacre	✓
CFA 23 – Balsall Common and Hampton-in-Arden	✓
CFA 24 – Birmingham Interchange and Chelmsley Wood	✓
CFA 25 – Castle Bromwich and Bromford	✓
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Mapping explanatory notes

Structure of the HS2 Supplementary Environmental Statement 3 and Additional Provision 4 Environmental Statement

The Supplementary Environmental Statement 3 (SES3) and Additional Provision 4 Environmental Statement (AP4 ES) comprises:

- Non-technical summary (NTS). This provides a summary in non-technical language of the SES3 (Part 1) and AP4 ES (Part 2) and of any likely significant environmental effects, both beneficial and adverse, which are new or different to those reported in the High Speed 2 (HS2) Phase One Environmental Statement (ES) submitted to Parliament in November 2013 in support of the hybrid Bill ('the Bill') for Phase One of HS2 (hereafter referred to as 'the main ES') as updated by subsequent SES and AP ES documents;
- Volume 1: Introduction to the SES3 and AP4 ES. This introduces the supplementary environmental information and design changes included within the SES3 and amendments, which have resulted in the need to amend the Bill, within the AP4 ES. It also explains any changes to the scope, methodology, assumptions and limitations required for the environmental assessment;
- Volume 2: CFA reports and Map Books. These describe the supplementary environmental information and design changes included within the SES3 (Part 1) and amendments within the AP4 ES (Part 2). Any new or different likely significant environmental effects arising from these changes and amendments in each CFA, compared to those reported in the main ES, as updated by SES and SES2 documents (and SES3 for the AP4 amendments) are reported. The AP1, AP2 and AP3 amendments are also taken into account where relevant. In addition, the main local alternatives that have been considered are described, where relevant;
- Volume 3: Route-wide effects. This reports new or different likely significant route-wide effects arising from the supplementary environmental information and design changes included within the SES3 (Part 1) and amendments within the AP4 ES (Part 2) compared to those reported in the main ES as updated by SES and SES2 (and SES3 for the AP4 amendments). The AP1, AP2 and AP3 amendments are also taken into account where relevant;
- Volume 4: Off-route effects. This reports new or different likely significant off-route effects arising from the supplementary environmental information included within the SES3 and an amendment within the AP4 ES compared to those reported in the main ES as updated by SES and SES2 (and SES3 for the AP4 amendment). The AP1, AP2 and AP3 amendments are also taken into account where relevant;
- Volume 5: Appendices and Map Books. This contains environmental information and associated maps in support of the other volumes of the SES3 and AP4 ES; and
- Glossary of terms and list of abbreviations. This contains any new or different terms and abbreviations used throughout the SES and AP ES reports, compared to those included in the main ES.

Copyright statements

Copyright statements are presented in the Data dictionary and definitions section at the front of the map book, due to limited space to include this on the individual maps themselves.

Ordnance Survey data

All maps produced as part of the SES3 and AP4 ES contain Ordnance Survey (OS) data. HS2 Ltd use the most up to date mapping available, where possible, supplied by the OS and as such, we cannot be held responsible for any inaccuracies within this data.

As part of our licence conditions, all digital maps carry a watermark.

Chainage

Most of the maps presented as part of the SES3 and AP4 ES have a chainage value shown next to the alignment. Chainage is presented on the maps in black font, in the form of XX+YYY. E.g. 77+000 or 158+500.

Chainage (known as reference chainage) is referenced from Euston Station, which is 0+000, and the value presented is in metres. E.g. 77+000 refers to the point, 77,000m, or 77km, from Euston Station. Chainage values increase in intervals dependant on the map scale. For maps at 1:50,000 scale chainage is shown at 5km intervals. For maps at 1:25,000 scale chainage is shown at 2km intervals. For maps at 1:10,000, 1:5,000 and 1:2,500 scales, chainage is shown at 1km intervals.

Chainage has been included on the maps as a useful tool for comparing different map sets showing the different environmental themes or engineering plans, due to map sets having different scales and therefore showing differing amounts of alignment on the map.

Map sheet layout

Each map in Volume 2 is presented twice, with the main ES map (published November 2013) on the left hand page and the SES₃ and AP₄ ES map on the right. For the CT-05 and CT-06 map series, the SES₃ and AP₄ ES map is annotated with different coloured clouds which highlight the areas of change. The coloured text box provides a brief description of the design change and amendment, and gives the SES₃ and AP₄ ES reference number. Only maps which have been amended as a result of the SES₃ and AP₄ ES are included within the map books. Other design changes which are within the existing limits of the Bill and do not result in new or different likely significant effects are also shown on the maps, but are not indicated by a cloud. The below table highlights the coloured clouds used, and their description.

Cloud / text box colour	Description
Blue	Design changes relating to the SES ₃ (Part 1 of each Volume 2 CFA report).
Red	Proposed amendments relating to AP ₄ (Part 2 of each Volume 2 CFA report).
Grey	Proposed amendments and design changes relating to previous APs and SESs, provided for reference.

Each Volume 5 map is annotated to describe the change to a receptor or significant effect, and to give the SES₃ and AP₄ ES reference number. For more detailed information about the SES₃ and AP₄ ES annotation, refer to the map series legend. Only maps which have been amended as a result of the SES₃ and AP₄ ES are included within the map book. Changes to receptors or significant effects relating to previous APs and SESs are also provided for reference.

Map orientation

The majority of the maps presented in these map books are presented with the railway alignment running horizontally across the page. The direction of travel to London would be following the alignment to the right hand side of the page, and the West Midlands to the left.

The exception to this, are map series LV-03 and LV-04, which present the alignment running from bottom to top of the page. This is to allow more of the modelled outputs to be shown at the appropriate map scale. In this instance, the direction of travel to London would be to the bottom of the page, and the West Midlands to the top.

Map books

In total there are 35 map books which make up the SES₃ and AP₄ ES, spread across volumes 2, 4 and 5. A list of the titles is provided below for reference.

Name	Name
Volume 2 Community forum area map book: CFA ₄ Kilburn (Brent) to Old Oak Common	Volume 2 Community forum area map book: CFA ₂₃ Balsall Common and Hampton-in-Arden
Volume 2 Community forum area map book: CFA ₅ Northolt Corridor	Volume 2 Community forum area map book: CFA ₂₄ Birmingham Interchange and Chelmsley Wood
Volume 2 Community forum area map book: CFA ₆ South Ruislip to Ickenham	Volume 2 Community forum area map book: CFA ₂₅ Castle Bromwich and Bromford
Volume 2 Community forum area map book: CFA ₇ Colne Valley	Volume 2 Community forum area map book: CFA ₂₆ Washwood Heath to Curzon Street
Volume 2 Community forum area map book: CFA ₈ The Chalfonts and Amersham	Volume 4 Off-route effects map book
Volume 2 Community forum area map book: CFA ₉ Central Chilterns	Volume 5 Technical appendices map book: Agriculture, forestry and soils
Volume 2 Community forum area map book: CFA ₁₀ Dunsmore, Wendover and Halton	Volume 5 Technical appendices map book: Air quality
Volume 2 Community forum area map book: CFA ₁₁ Stoke Mandeville and Aylesbury	Volume 5 Technical appendices map book: Community
Volume 2 Community forum area map book: CFA ₁₂ Waddesdon and Quainton	Volume 5 Technical appendices map book: Cultural heritage
Volume 2 Community forum area map book: CFA ₁₃ Calvert, Steeple Claydon, Twyford and Chetwode	Volume 5 Technical appendices map book: Ecology
Volume 2 Community forum area map book: CFA ₁₄ Newton Purcell to Brackley	Volume 5 Technical appendices map book: Land quality
Volume 2 Community forum area map book: CFA ₁₅ Greatworth to Lower Boddington	Volume 5 Technical appendices map book: Landscape and visual
Volume 2 Community forum area map book: CFA ₁₆ Ladbroke and Southam	Volume 5 Technical appendices map book: Socio-economics
Volume 2 Community forum area map book: CFA ₁₇ Offchurch and Cubbington	Volume 5 Technical appendices map book: Sound, noise and vibration
Volume 2 Community forum area map book: CFA ₁₈ Stoneleigh, Kenilworth and Burton Green	Volume 5 Technical appendices map book: Traffic and transport
Volume 2 Community forum area map book: CFA ₁₉ Coleshill Junction	Volume 5 Technical appendices map book: Water resources
Volume 2 Community forum area map book: CFA ₂₀ Curdworth to Middleton	Volume 5 Technical appendices map book: Cross-topic appendix 1 - Committed developments
Volume 2 Community forum area map book: CFA ₂₂ Whittington to Handsacre	

HIGH SPEED RAIL (LONDON - WEST MIDLANDS)

Supplementary Environmental Statement 3 and
Additional Provision 4 Environmental Statement

Volume 5 | Data dictionary and definitions

October 2015

Data dictionary and definitions

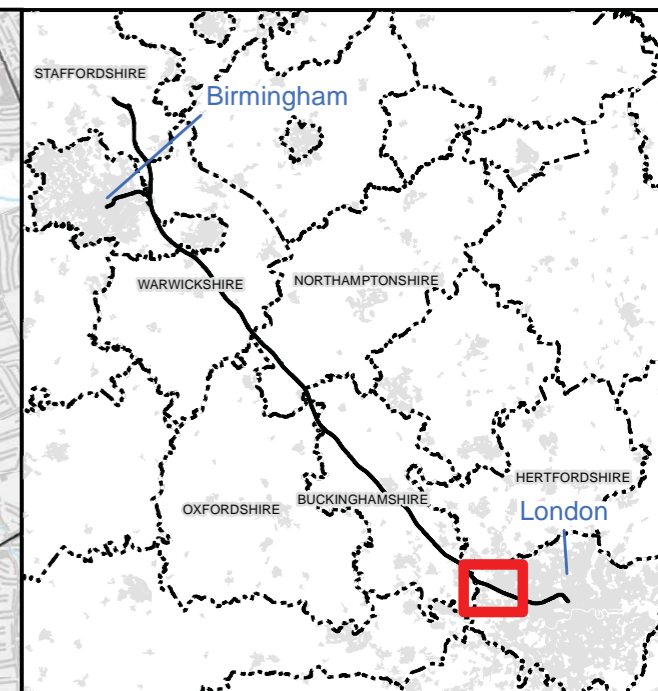
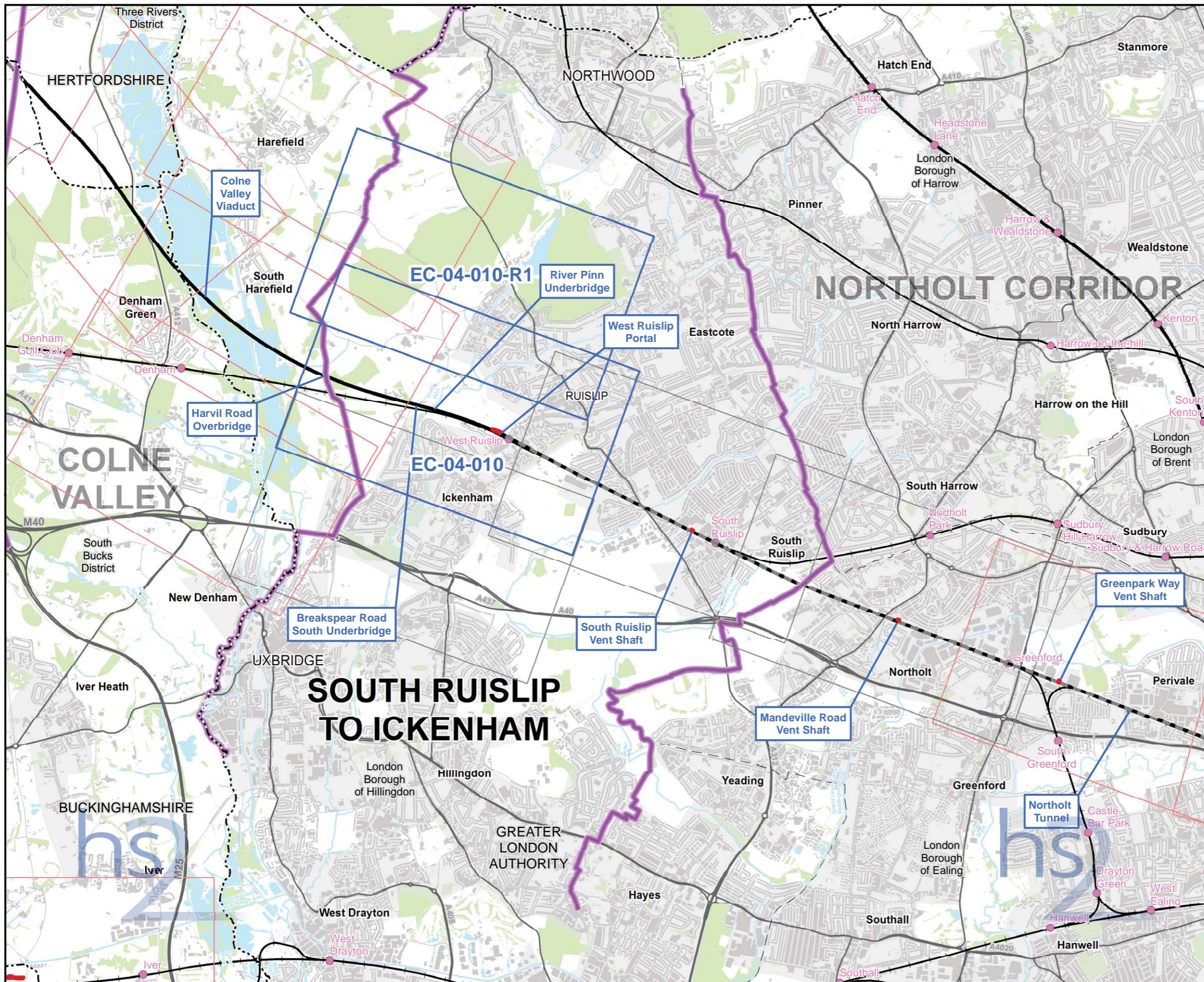
Legend features	Definition	Source	Copyright
250m radius from all water bodies where presence of Great Crested Newt is confirmed.	250m radius from all water bodies where presence of Great Crested Newt (GCN) is confirmed.	High Speed Two (HS2) Ltd	
50m radius from all water bodies where presence of Great Crested Newt is confirmed.	50m radius from all water bodies where presence of Great Crested Newt (GCN) is confirmed.	High Speed Two (HS2) Ltd	
500m radius from all water bodies where presence of Great Crested Newt is confirmed.	500m radius from all water bodies where presence of Great Crested Newt (GCN) is confirmed.	High Speed Two (HS2) Ltd	
Areas isolated by significant barriers to amphibian movement	Areas isolated by significant barriers to amphibian movement.	High Speed Two (HS2) Ltd	
Community forum boundary	The Environmental Statement has been split into 26 sections called Community Forum Areas.	High Speed Two (HS2) Ltd	© Crown copyright. Reproduced by permission of Ordnance Survey Licence Number 100049190. Year of Publication 2015.
County boundary	County boundaries from Ordnance Survey boundary mapping.	Ordnance Survey	© Crown copyright. Reproduced by permission of Ordnance Survey Licence Number 100049190. Year of Publication 2015.
Depot, station, headhouse or portal building	Extends to cover operational footprint of each depot and station and the footprint of each tunnel vent shaft and headhouse at surface level. Excludes any ancillary buildings associated with these structures.	High Speed Two (HS2) Ltd	
District/Borough boundary	Ordnance Survey local authority boundary mapping.	Ordnance Survey	© Crown copyright. Reproduced by permission of Ordnance Survey Licence Number 100049190. Year of Publication 2015.
Great Crested Newt (GCN) survey locations	Results from Great Crested Newt pond surveys.	High Speed Two (HS2) Ltd	
Land potentially required during construction	Boundary defining the maximum possible extent of construction works required to build HS2 as far as the current level of design allows. This only covers surface works and includes all tunnel portals, vent shafts and headhouses, but does not apply to wholly tunnelled sections or to air rights. It also encompasses associated highway, access, drainage and utility works.	High Speed Two (HS2) Ltd	
Route in tunnel Route on surface	Represents the proposed route of HS2, split into route on surface and tunnelled sections.	High Speed Two (HS2) Ltd	
Water body	Based on Ordnance Survey Vector Map District.	Ordnance Survey	© Crown copyright. Reproduced by permission of Ordnance Survey Licence Number 100049190. Year of Publication 2015.
Watercourse	The Detailed River Network (DRN) is the only large-scale, accurate and fully attributed digital river centreline covering England and Wales.	Environment Agency	© Environment Agency copyright and/or database right 2015. All rights reserved.
Woodland (not verified by survey) Woodland (verified by survey)	Woodland areas derived from Ordnance Survey mastermap data.	Ordnance Survey	© Crown copyright. Reproduced by permission of Ordnance Survey Licence Number 100049190. Year of Publication 2015.

HIGH SPEED RAIL (LONDON - WEST MIDLANDS)

Supplementary Environmental Statement 3 and
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Volume 5 | CFA6 South Ruislip to Ickenham
EC-04 – Amphibians

October 2015



Map Series Information:

This map series shows the results of amphibian surveys conducted to inform the Environmental Assessment. It principally details the results of great crested newt surveys conducted. In addition it show the location of those 'exceptional' populations of common amphibians recorded.

- Main Map Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community forum boundary
 - Existing railway station
 - County boundary
 - District/Borough boundary

- Map sheets included in this community forum with amendment
- Map sheets included in this community forum with no amendment
- Map sheets not included in this community forum

Map Number: EC-04-INDEX-CFA6

Map Name: Index Map of:
Amphibians
SES3 and AP4 ES
Community Forum Area CFA6:
South Ruislip to Ickenham

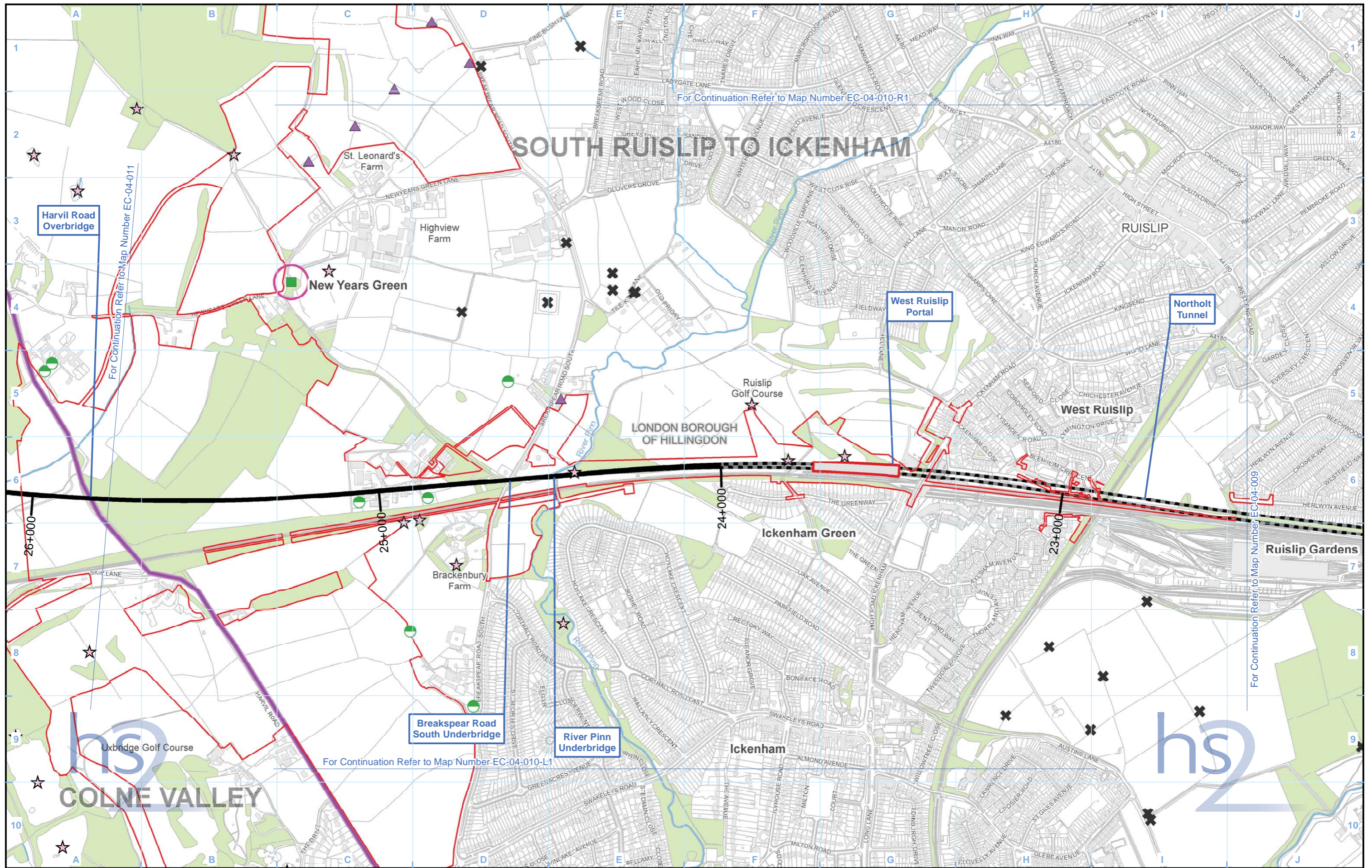
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Doc Number: C251-ETM-EV-MAP-010-001723-AP04-P01 **Date: 18/09/15**



Legend	
	Route in tunnel
	Route on surface
	Depot, station, headhouse or portal building
	Land potentially required during construction
	Community forum boundary
	County boundary
	District/Borough boundary
	Watercourse
	Water body
	Woodland (not verified by survey)
	Area contains new survey data
	eDNA survey complete, Great Crested Newt assumed absent
	Scoped in - Habitat Suitability Index (HSI)/walkover only
	Scoped in - no access permission
	Scoped out - no survey required

Map Number	EC-04-010
Map Name	Amphibians SES3 and AP4 ES
Community Forum Area CFA6: South Ruislip to Ickenham	

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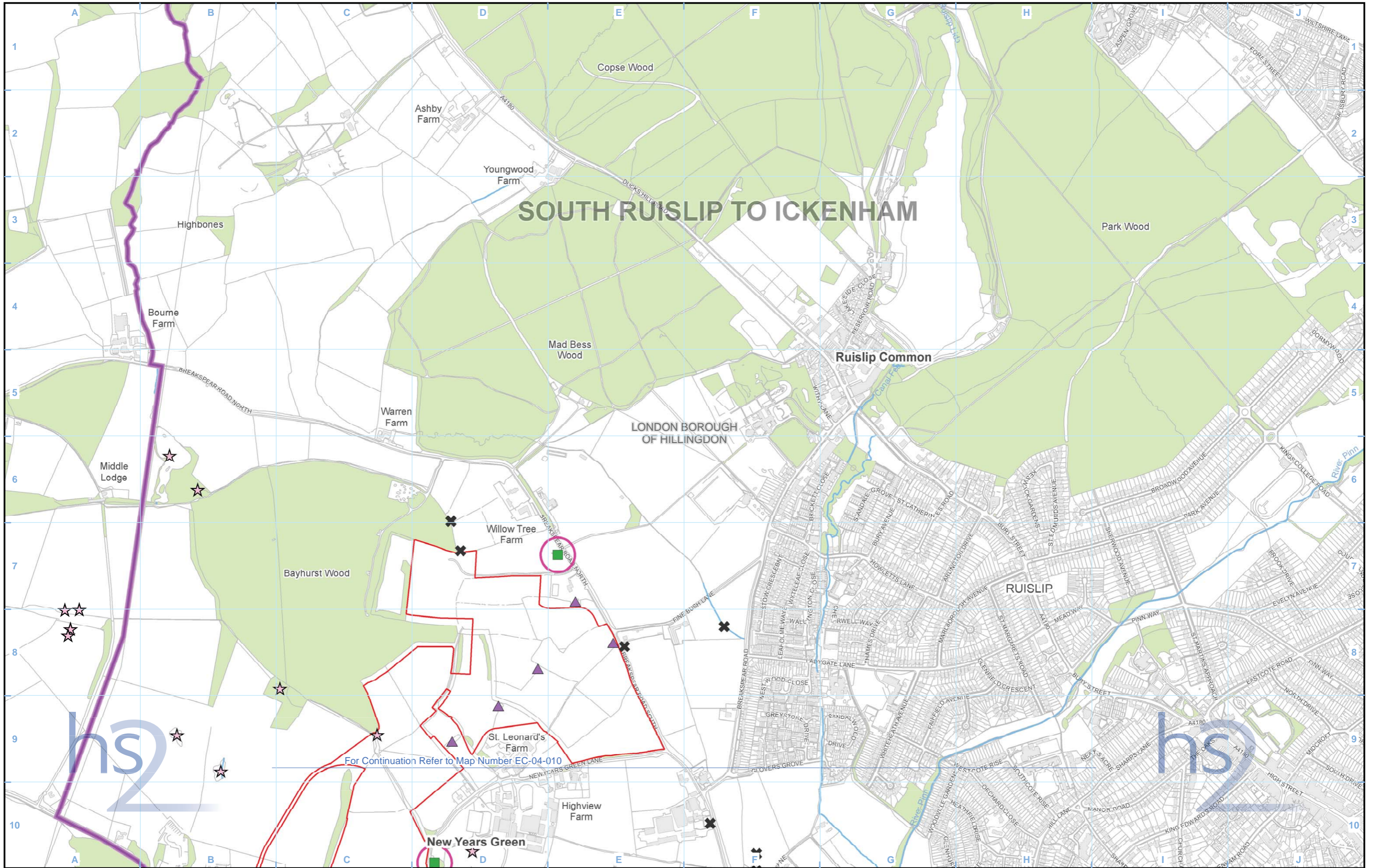
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Doc Number: C251-ETM-EV-MAP-010-001721-AP04-P01

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Metres

Date: 18/09/15



Legend

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Land potentially required during construction
- Community forum boundary
- County boundary
- District/Borough boundary
- Watercourse
- Water body
- Woodland (not verified by survey)
- Area contains new survey data
- eDNA survey complete, Great Crested Newt assumed absent
- Scoped in - no access permission
- Scoped out - no survey required

Map Number: EC-04-010-R1

Map Name: Amphibians SES3 and AP4 ES

Community Forum Area CFA6: South Ruislip to Ickenham

For Continuation Refer to Map Number EC-04-010

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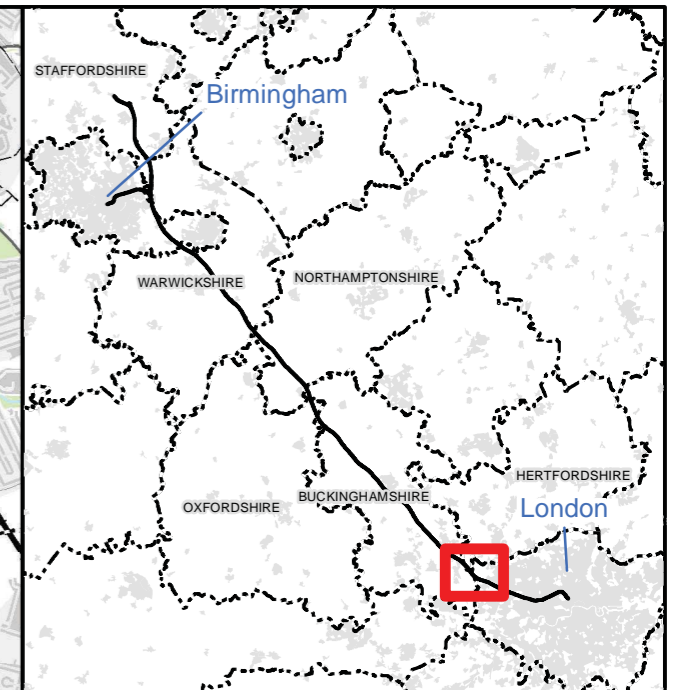
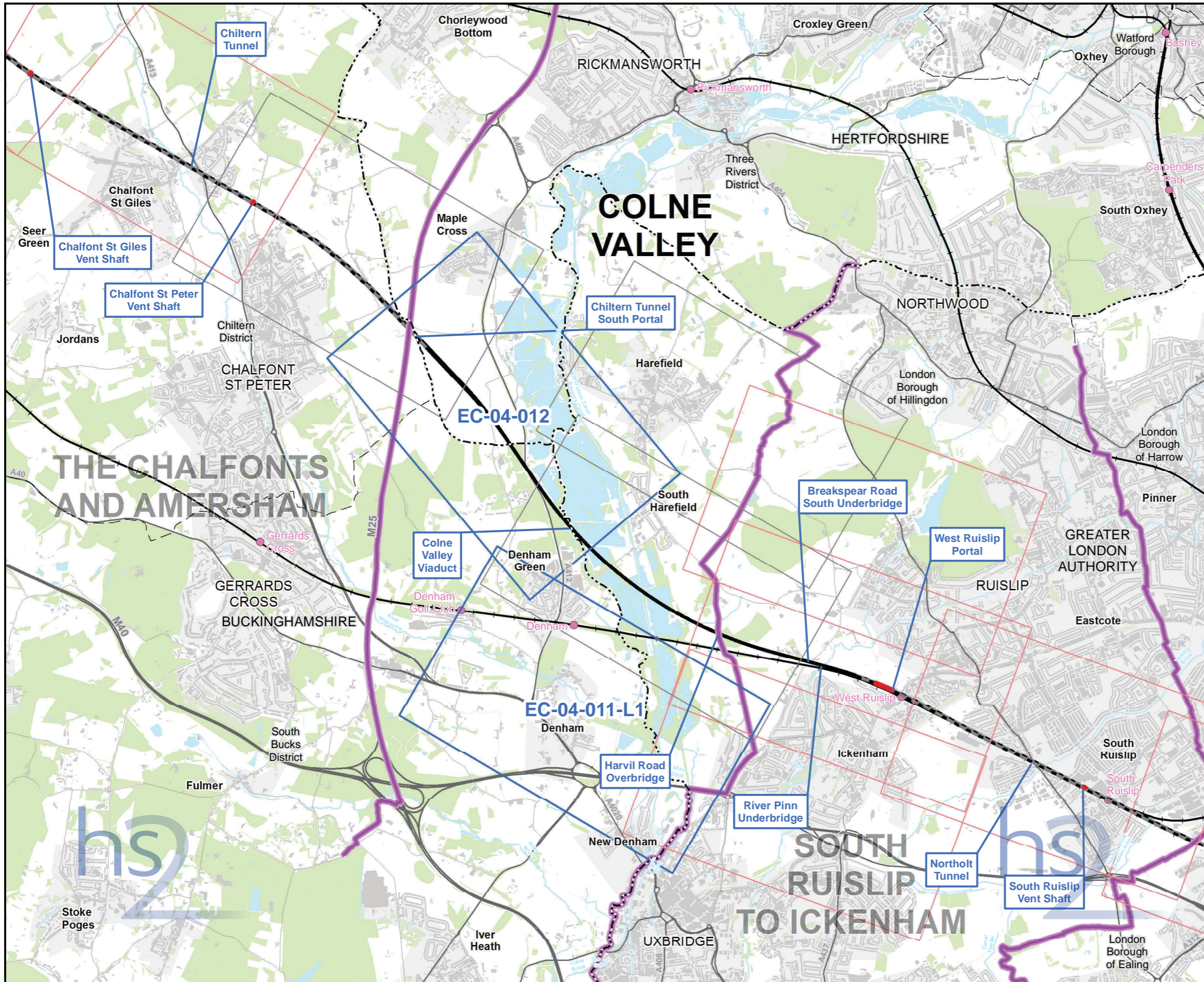
Date: 18/09/15

HIGH SPEED RAIL (LONDON - WEST MIDLANDS)

Supplementary Environmental Statement 3 and
Additional Provision 4 Environmental Statement

Volume 5 | CFA7 Colne Valley
EC-04 – Amphibians

October 2015



Map Series Information:

This map series shows the results of amphibian surveys conducted to inform the Environmental Assessment. It principally details the results of great crested newt surveys conducted. In addition it shows the location of those 'exceptional' populations of common amphibians recorded.

Main Map Legend

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Community forum boundary
- Existing railway station
- County boundary
- District/Borough boundary
- Map sheets included in this community forum with amendment
- Map sheets included in this community forum with no amendment
- Map sheets not included in this community forum

Map Number	EC-04-INDEX-CFA7
Map Name	Index Map of: Amphibians SES3 and AP4 ES Community Forum Area CFA7: Colne Valley

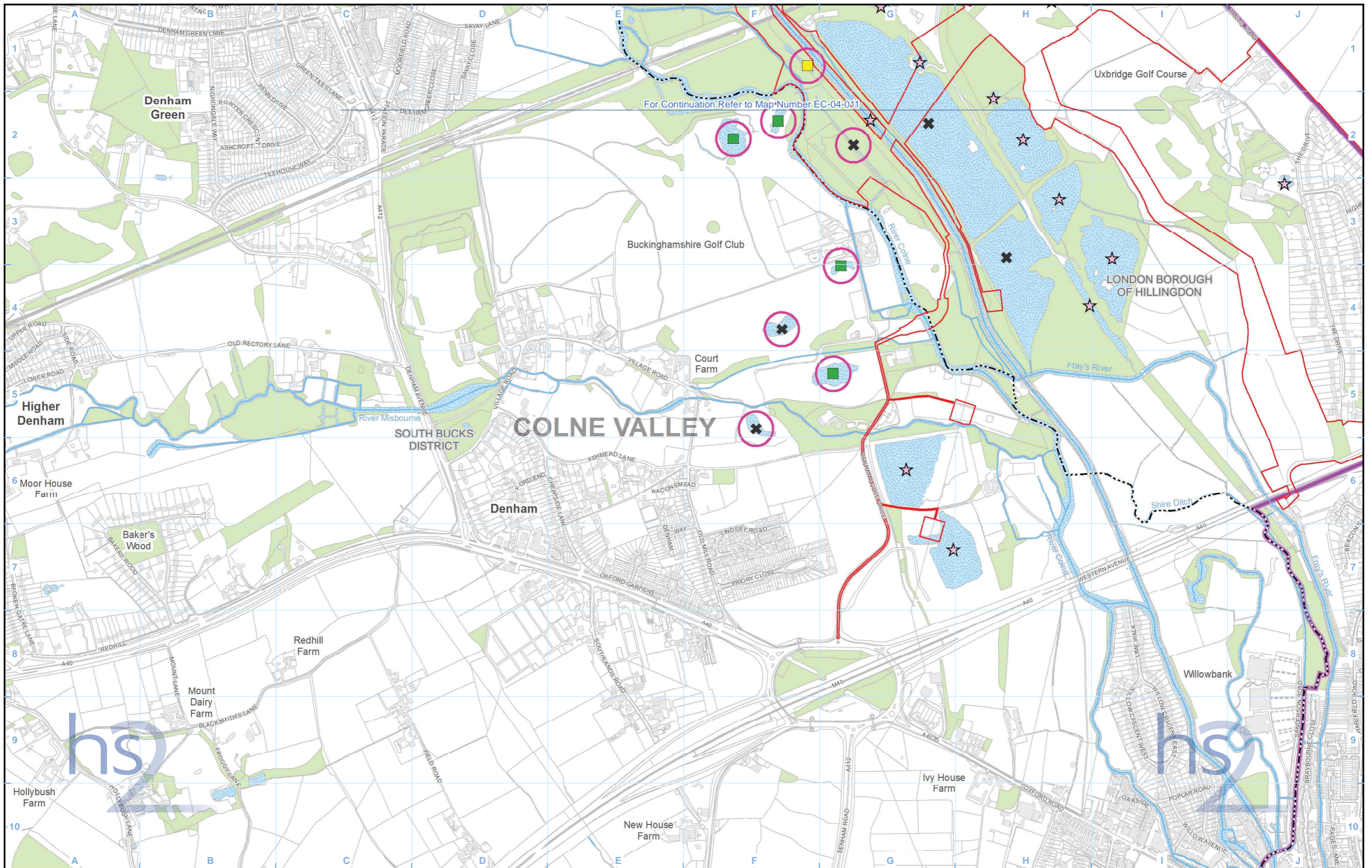
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For Continuation Refer to Map Number EC-04-011

Legend

Map Number	EC-04-011-L1
Map Name	Amphibians SES3 and AP4 ES
Community Forum Area CFA7: Colne Valley	

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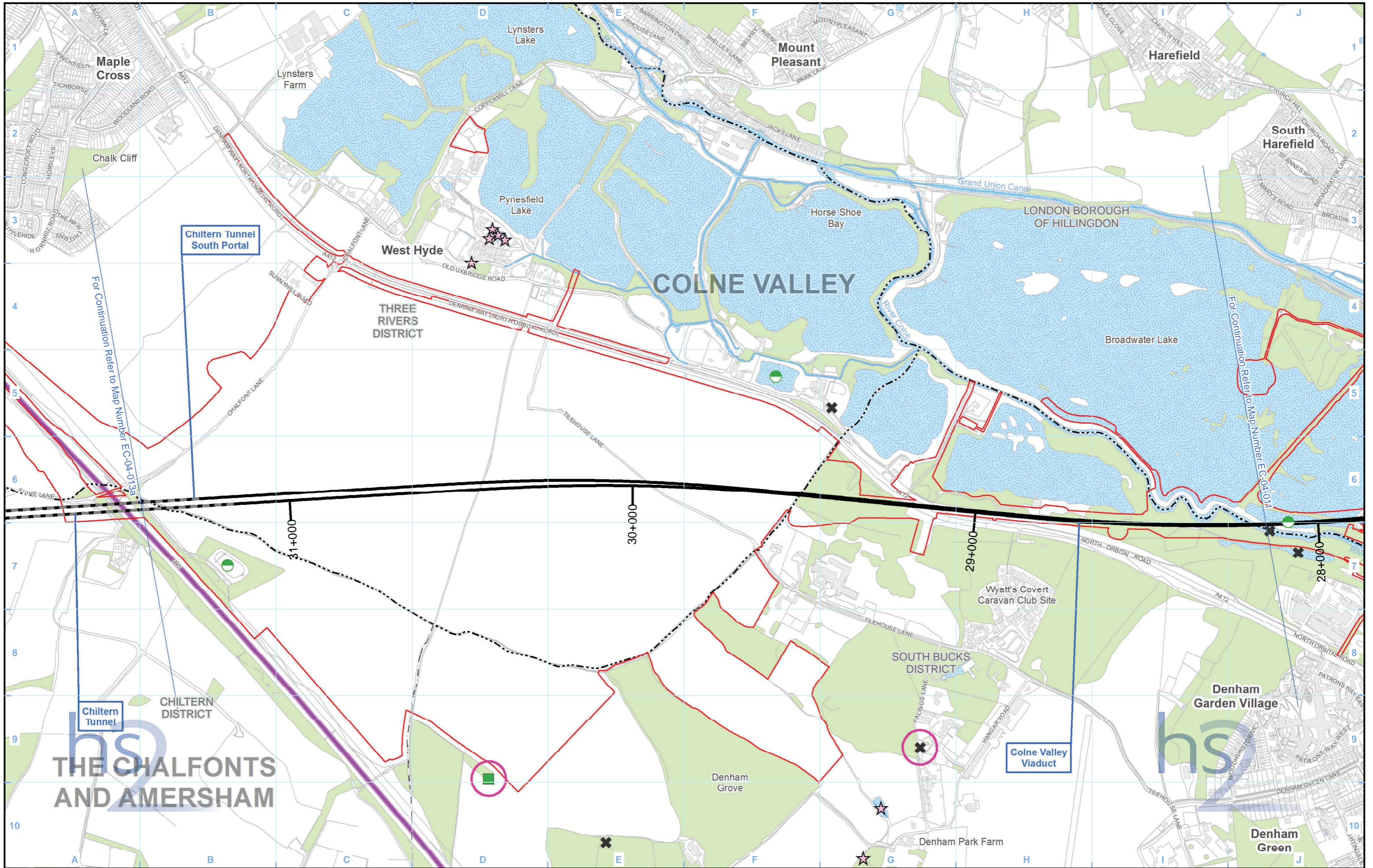
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Date: 17/09/15



THE CHALFONTS AND AMERSHAM

Legend	
	Route in tunnel
	Route on surface
	Depot, station, headhouse or portal building
	Land potentially required during construction
	Community forum boundary
	County boundary
	District/Borough boundary
	Watercourse
	Water body
	Woodland (not verified by survey)
	Area contains new survey data
	eDNA survey complete, Great Crested Newts assumed absent
	Survey complete, Great Crested Newts assumed absent
	Scoped in - no access permission
	Scoped out - no survey required

Map Number	EC-04-012
Map Name	Amphibians SES3 and AP4 ES
Community Forum Area CFA7: Colne Valley	

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0 100 200 300 400 Metres

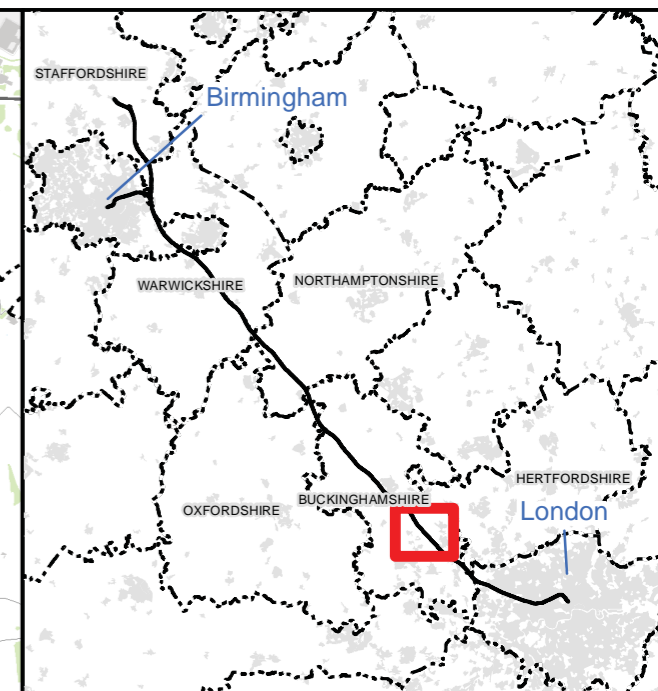
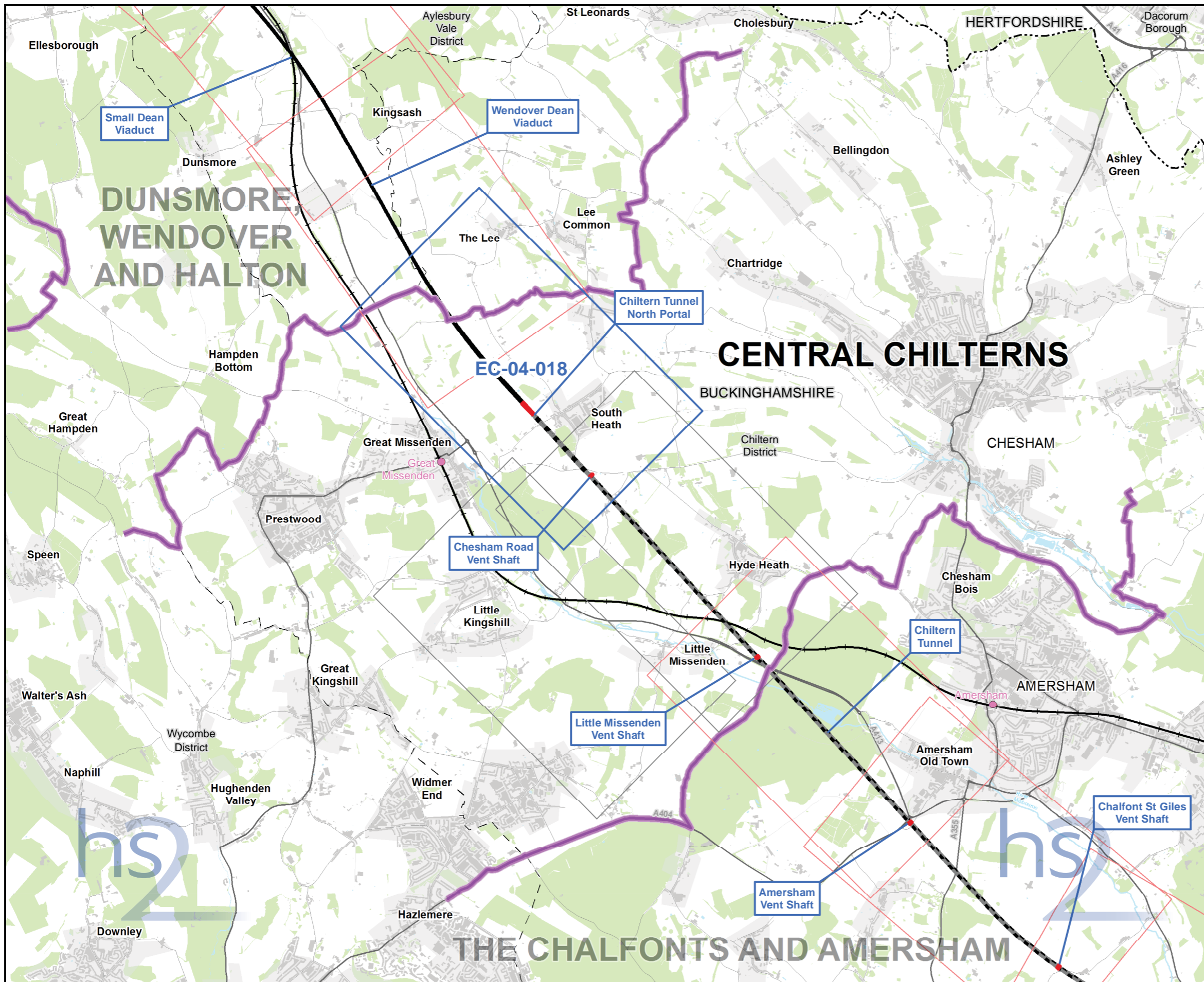
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HIGH SPEED RAIL (LONDON - WEST MIDLANDS)

Supplementary Environmental Statement 3 and
Additional Provision 4 Environmental Statement

Volume 5 | CFA9 Central Chilterns
EC-04 – Amphibians

October 2015



Map Series Information:

This map series shows the results of amphibian surveys conducted to inform the Environmental Assessment. It principally details the results of great crested newt surveys conducted. In addition it shows the location of those 'exceptional' populations of common amphibians recorded.

Main Map Legend

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Community forum boundary
- Existing railway station
- County boundary
- District/Borough boundary
- Map sheets included in this community forum with amendment
- Map sheets included in this community forum with no amendment
- Map sheets not included in this community forum

Map Number	EC-04-INDEX-CFA9
Map Name	Index Map of: Amphibians SES3 and AP4 ES Community Forum Area CFA9: Central Chilterns

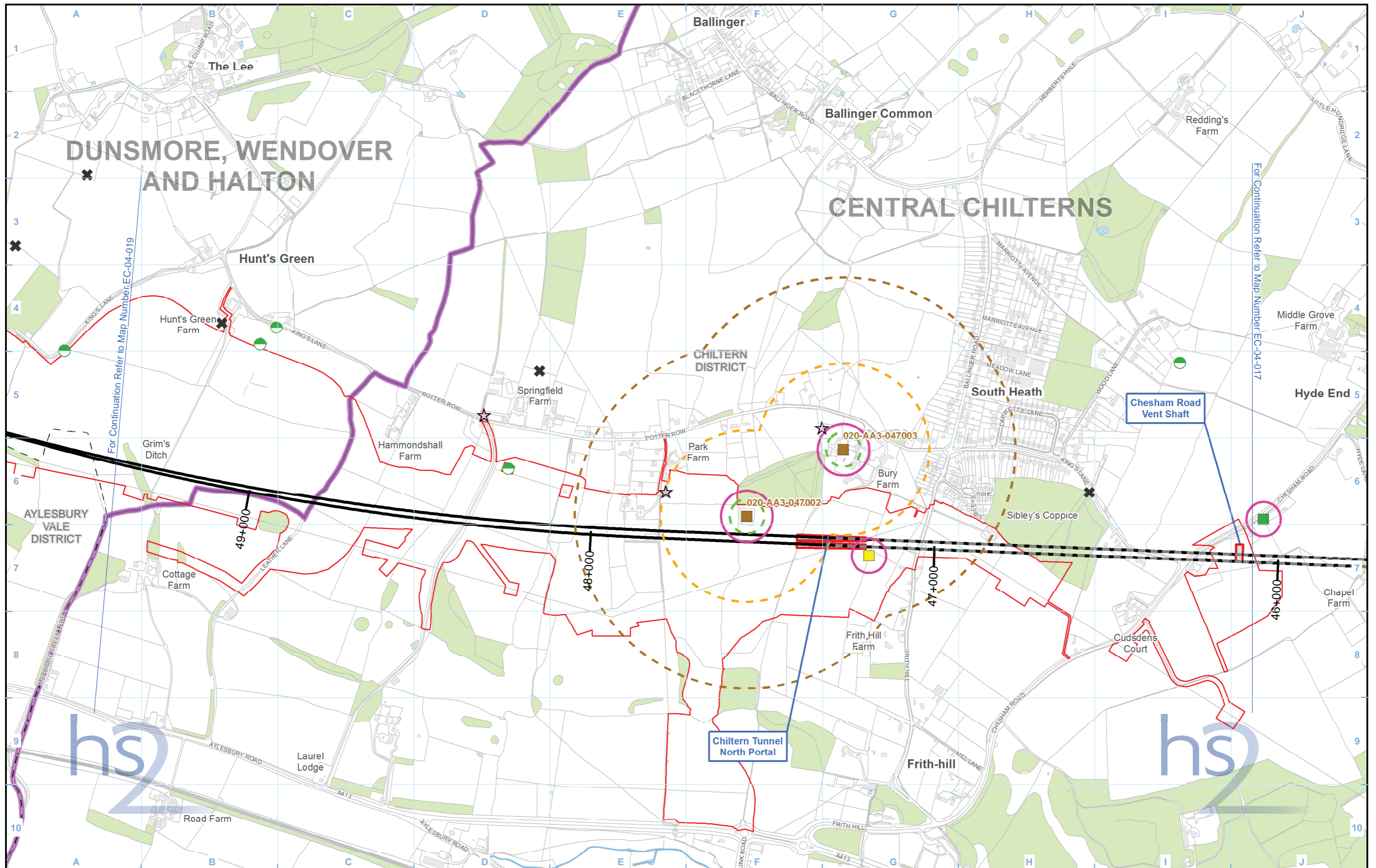
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Doc Number: C252-ETM-EV-MAP-020-004464-AP04-P01 Date: 21/09/15



Legend			
	Route in tunnel		Route on surface
	Depot, station, headhouse or portal building		Land potentially required during construction
	Community forum boundary		Area contains new survey data
	District/Borough boundary		eDNA survey complete, Great Crested Newts assumed absent
	Watercourse		eDNA survey complete, result inconclusive
	Water body		Survey complete, Great Crested Newts assumed absent
	Woodland (not verified by survey)		Scoped in - no access permission
	Area contains new survey data		50m radius from all water bodies where presence of Great Crested Newts is confirmed
	County boundary		250m radius from all water bodies where presence of Great Crested Newts is confirmed
	eDNA survey complete, Great Crested Newts present		500m radius from all water bodies where presence of Great Crested Newts is confirmed
	Scoped out - no survey required		

Map Number	EC-04-018
Map Name	Amphibians SES3 and AP4 ES
Community Forum Area CFA9: Central Chilterns	

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Doc Number: C252-ETM-EV-MAP-020-004469-AP04-P01

Scale at A3: 1:10,000

Metres

Date: 21/09/15

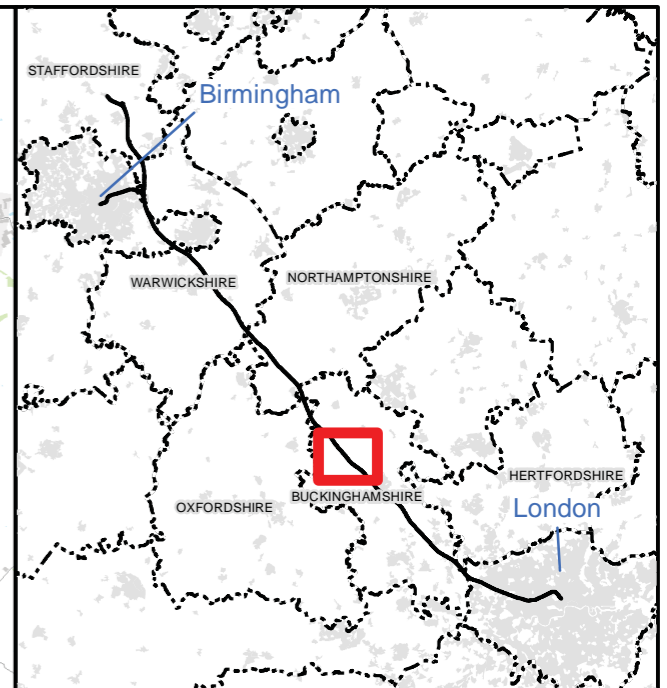
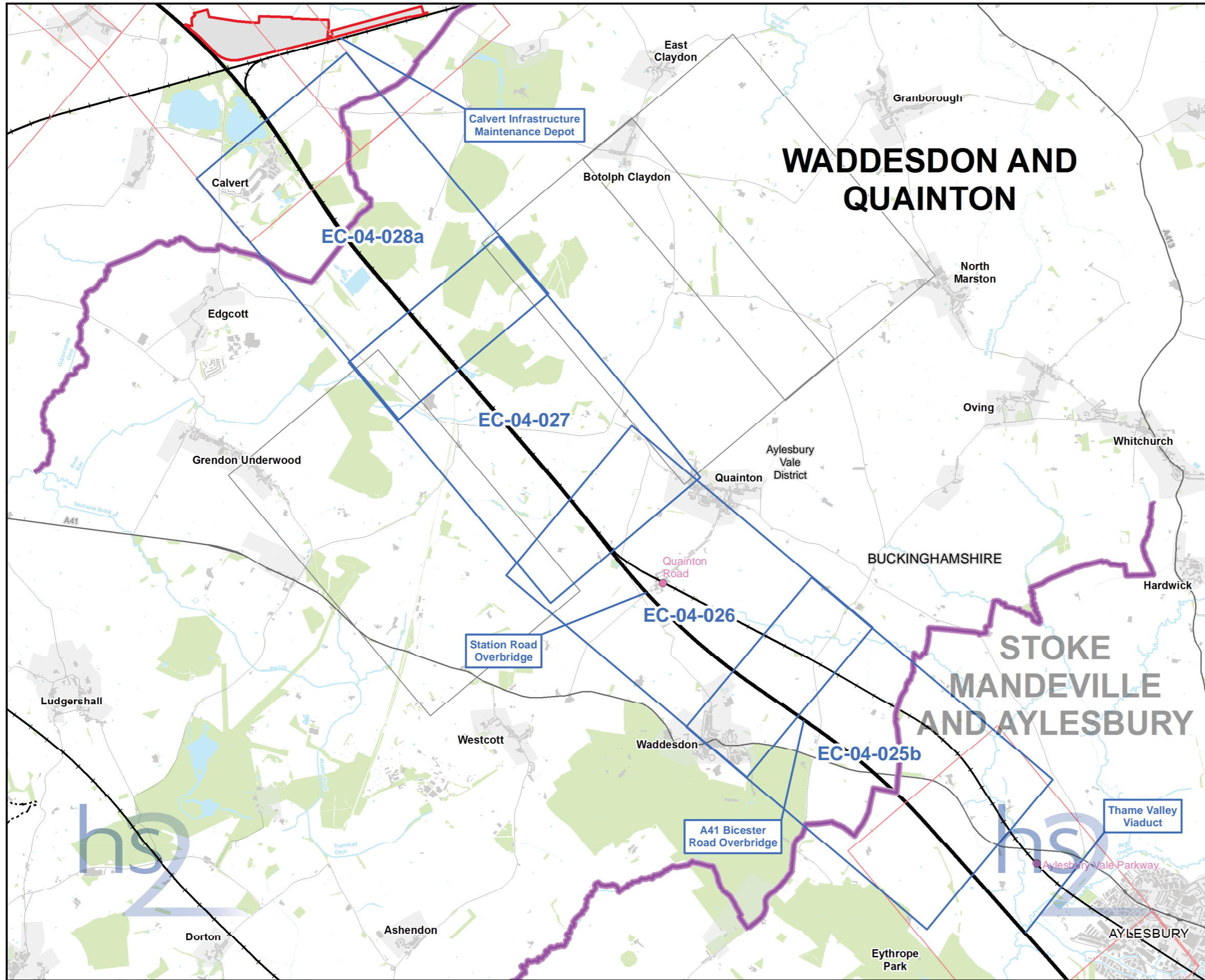
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HIGH SPEED RAIL (LONDON - WEST MIDLANDS)

Supplementary Environmental Statement 3 and
Additional Provision 4 Environmental Statement

Volume 5 | CFA12 Waddesdon and Quainton
EC-04 – Amphibians

October 2015



Map Series Information:

This map series shows the results of amphibian surveys conducted to inform the Environmental Assessment. It principally details the results of great crested newt surveys conducted. In addition it shows the location of those 'exceptional' populations of common amphibians recorded.

- Main Map Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community forum boundary
 - Existing railway station
 - County boundary
 - District/Borough boundary
 - Map sheets included in this community forum with amendment
 - Map sheets included in this community forum with no amendment
 - Map sheets not included in this community forum

Map Number	EC-04-INDEX-CFA12
Map Name	Index Map of: Amphibians SES3 and AP4 ES
Community Forum Area CFA12: Waddesdon and Quainton	

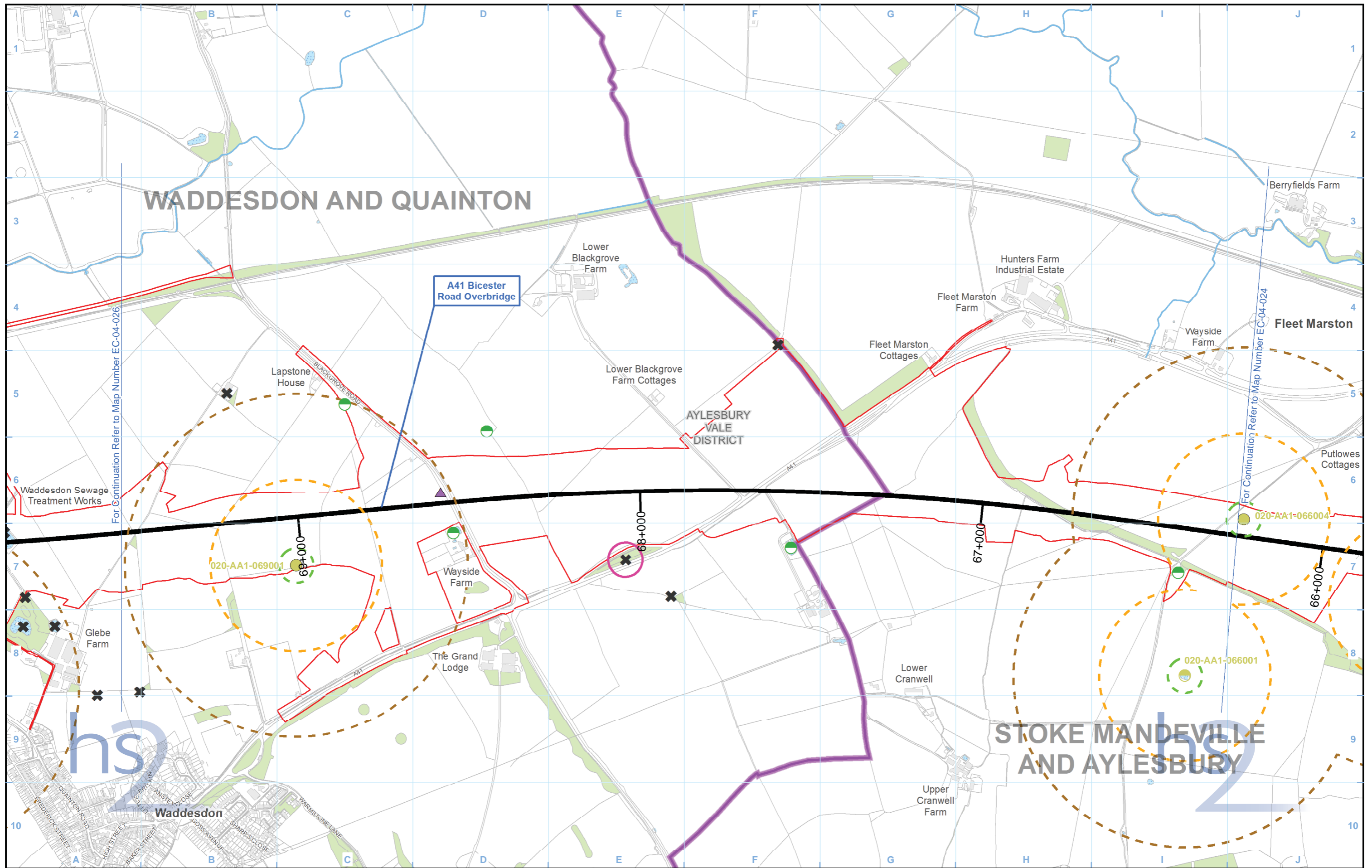
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Scale at A3: 1:50,000

Doc Number: C252-ETM-EV-MAP-020-004466-AP04-P01 **Date: 17/09/15**



Legend			

Map Number	EC-04-025b
Map Name	Amphibians SES3 and AP4 ES
Community Forum Area CFA12: Waddesdon and Quainton	

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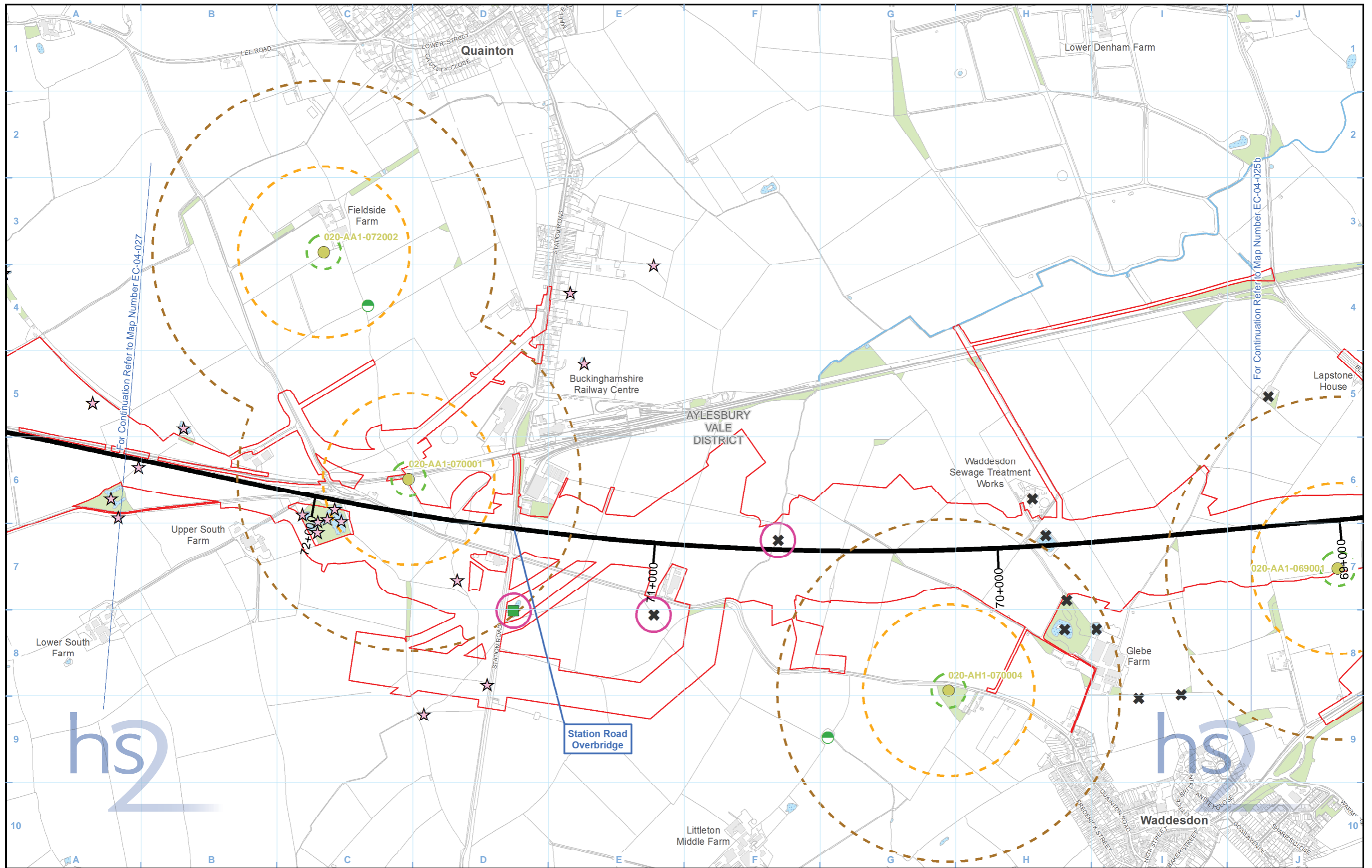
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Doc Number: C252-ETM-EV-MAP-020-004470-AP04-P01

Scale at A3: 1:10,000

Metres

Date: 17/09/15



Legend

Route in tunnel	District/Borough boundary	Great Crested Newts present (6 visits) - small population (1 - 10 adults)	50m radius from all water bodies where presence of Great Crested Newts is confirmed
Route on surface	Watercourse	Survey complete, Great Crested Newts assumed absent	250m radius from all water bodies where presence of Great Crested Newts is confirmed
Depot, station, headhouse or portal building	Water body	Scoped in - no access permission	500m radius from all water bodies where presence of Great Crested Newts is confirmed
Land potentially required during construction	Woodland (not verified by survey)	Scoped out - no survey required	
Community forum boundary	Area contains new survey data		
County boundary	eDNA survey complete, Great Crested Newts assumed absent		

Map Number	EC-04-026
Map Name	Amphibians SES3 and AP4 ES
	Community Forum Area CFA12: Waddesdon and Quinton

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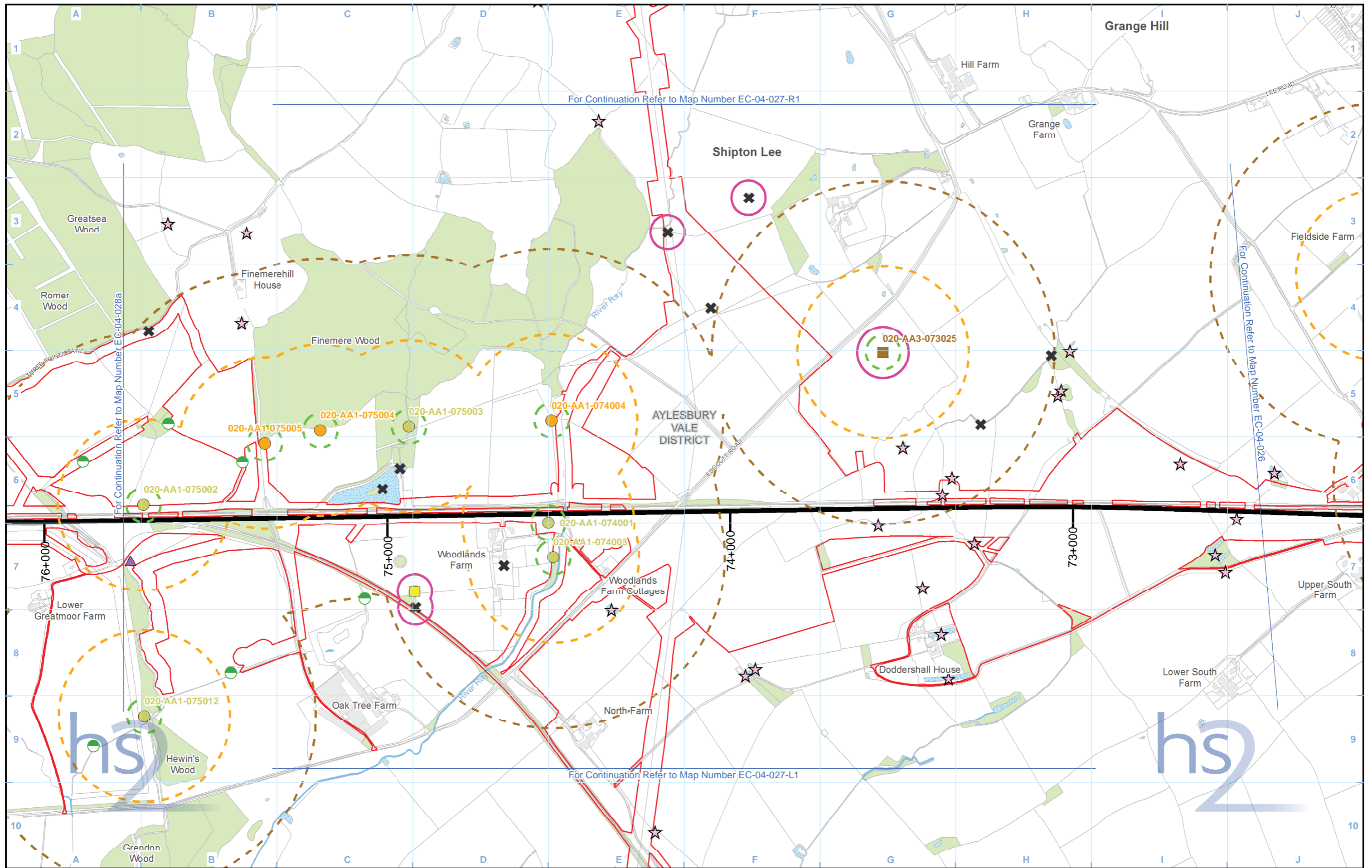
Doc Number: C252-ETM-EV-MAP-020-004471-AP04-P01

hs2

Scale at A3: 1:10,000

0 100 200 300 400 Metres

Date: 17/09/15



Legend

<ul style="list-style-type: none"> Route in tunnel Route on surface Depot, station, headhouse or portal building Land potentially required during construction Community forum boundary County boundary 	<ul style="list-style-type: none"> District/Borough boundary Watercourse Water body Woodland (not verified by survey) Area contains new survey data eDNA survey complete, Great Crested Newts present 	<ul style="list-style-type: none"> eDNA survey complete, result inconclusive Great Crested Newts present (6 visits) - medium population (11 - 99 adults) Great Crested Newts present (6 visits) - small population (1 - 10 adults) Survey complete, Great Crested Newts assumed absent Scoped in - Habitat Suitability Index (HSI)/walkover only Scoped in - no access permission Scoped out - no survey required 50m radius from all water bodies where presence of Great Crested Newts is confirmed 	<ul style="list-style-type: none"> 250m radius from all water bodies where presence of Great Crested Newts is confirmed 500m radius from all water bodies where presence of Great Crested Newts is confirmed 50m radius from all water bodies where presence of Great Crested Newts is confirmed
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Map Number: EC-04-027

Map Name: Amphibians SES3 and AP4 ES

Community Forum Area CFA12: Waddesdon and Quainton

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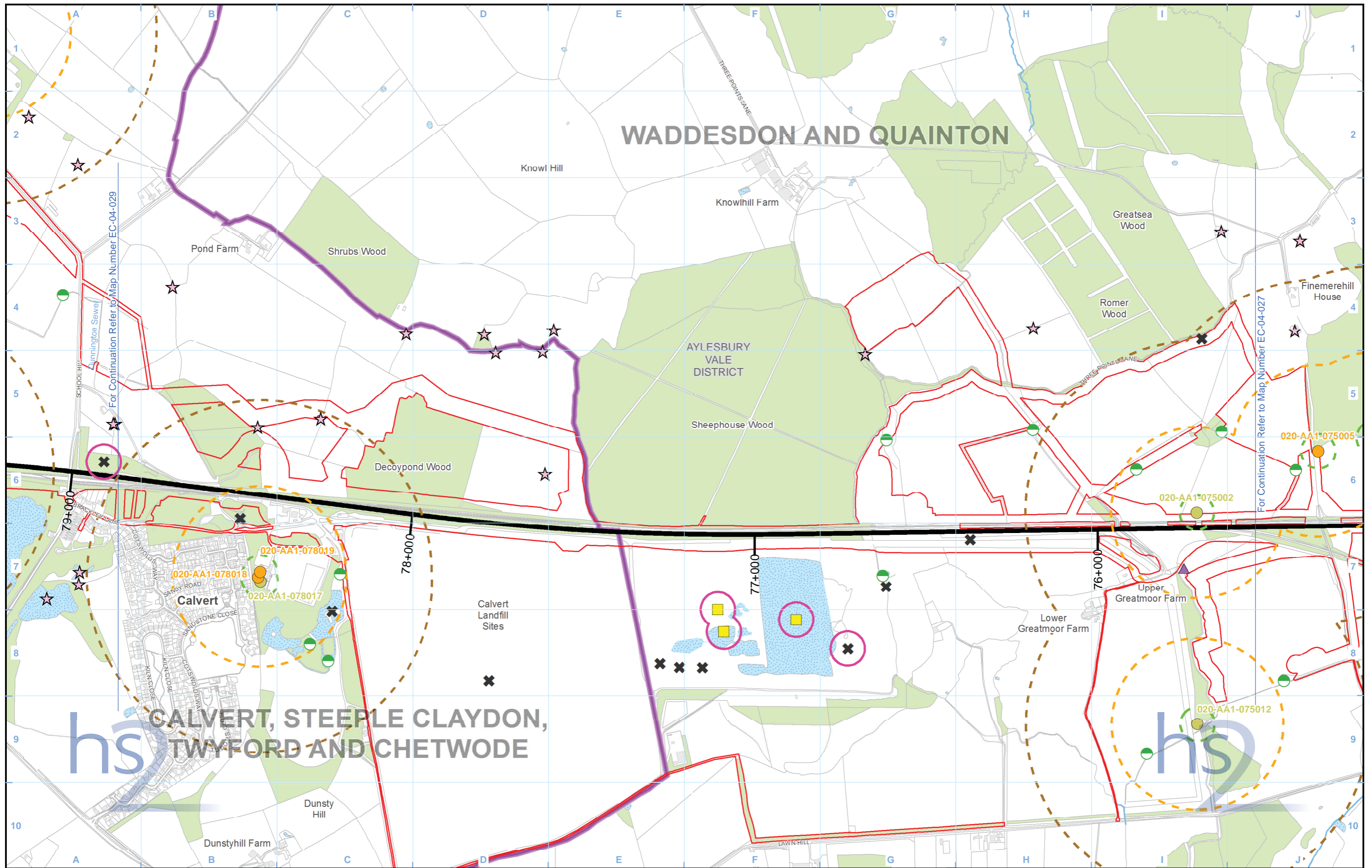
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Doc Number: C252-ETM-EV-MAP-020-004472-AP04-P01

Date: 17/09/15



WADDESDON AND QUANTON

CALVERT, STEEPLE CLAYDON, TWYFORD AND CHETWODE

Legend

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Map Number	EC-04-028a
Map Name	Amphibians SES3 and AP4 ES
Community Forum Area CFA12: Waddesdon and Quainton	

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Scale at A3: 1:10,000

0 100 200 300 400 Metres

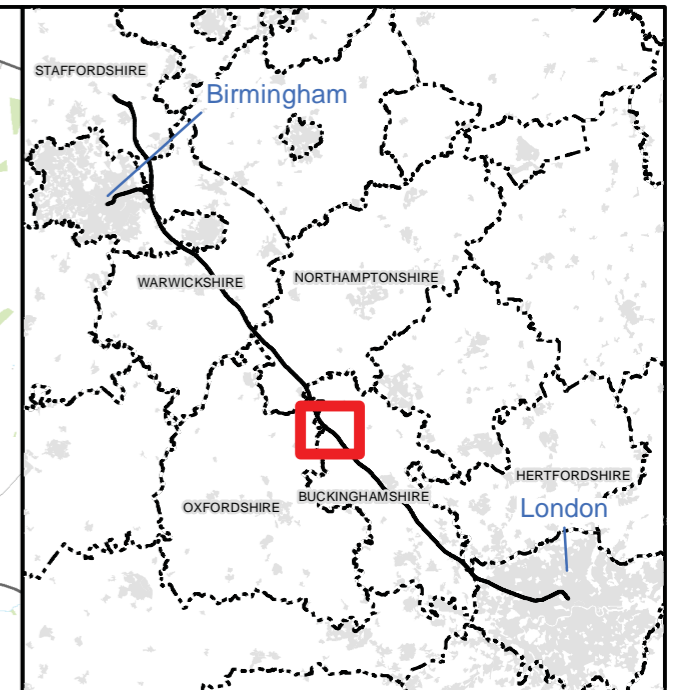
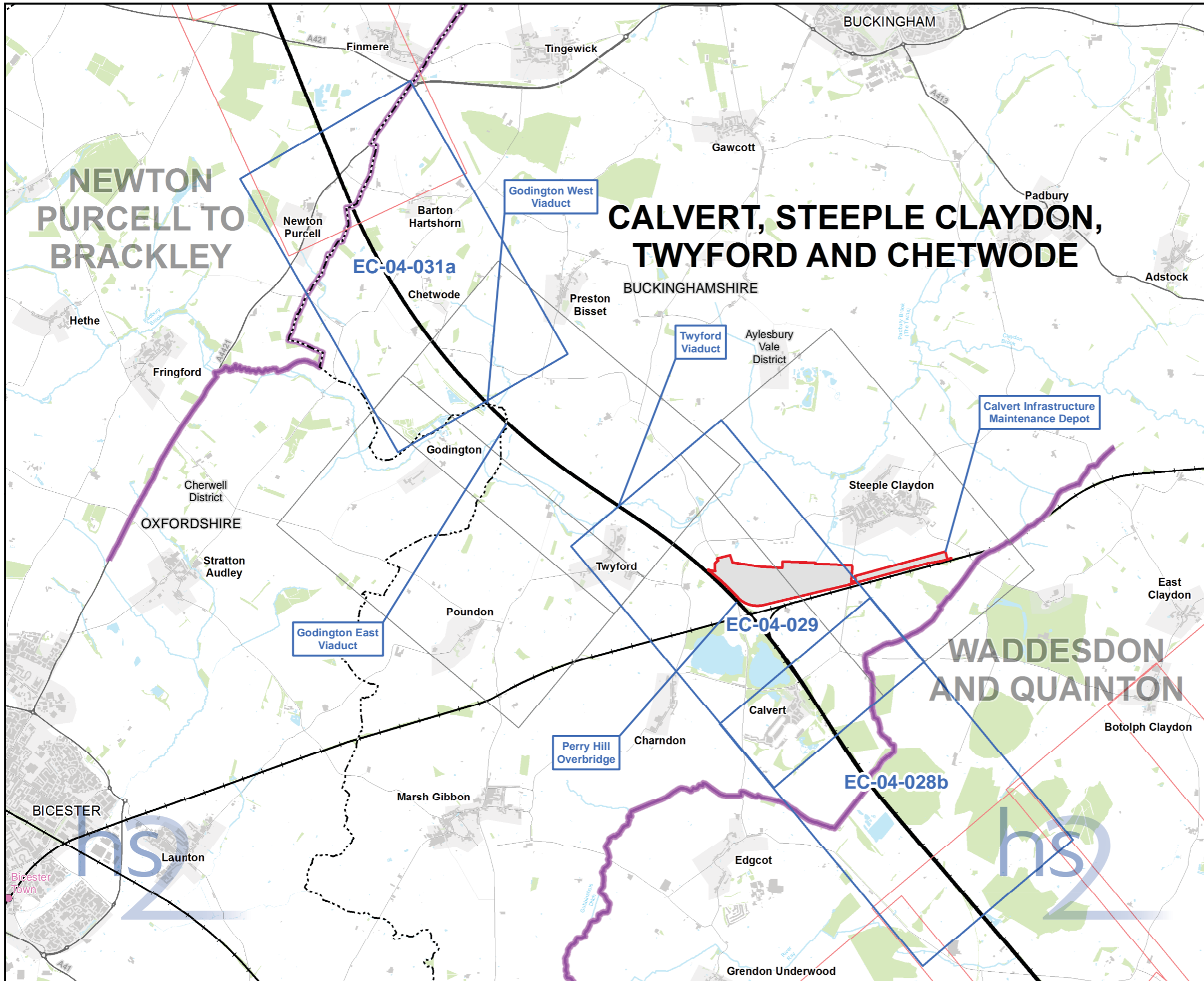
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HIGH SPEED RAIL (LONDON - WEST MIDLANDS)

Supplementary Environmental Statement 3 and
Additional Provision 4 Environmental Statement

Volume 5 | CFA13 Calvert, Steeple Claydon, Twyford and Chetwode
EC-04 – Amphibians

October 2015



Map Series Information:

This map series shows the results of amphibian surveys conducted to inform the Environmental Assessment. It principally details the results of great crested newt surveys conducted. In addition it shows the location of those 'exceptional' populations of common amphibians recorded.

Main Map Legend

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Community forum boundary
- Existing railway station
- County boundary
- District/Borough boundary
- Map sheets included in this community forum with amendment
- Map sheets included in this community forum with no amendment
- Map sheets not included in this community forum

Map Number **EC-04-INDEX-CFA13**

Map Name
**Index Map of:
Amphibians
SES3 and AP4 ES**

Community Forum Area CFA13:
Calvert, Steeple Claydon, Twyford and Chetwode

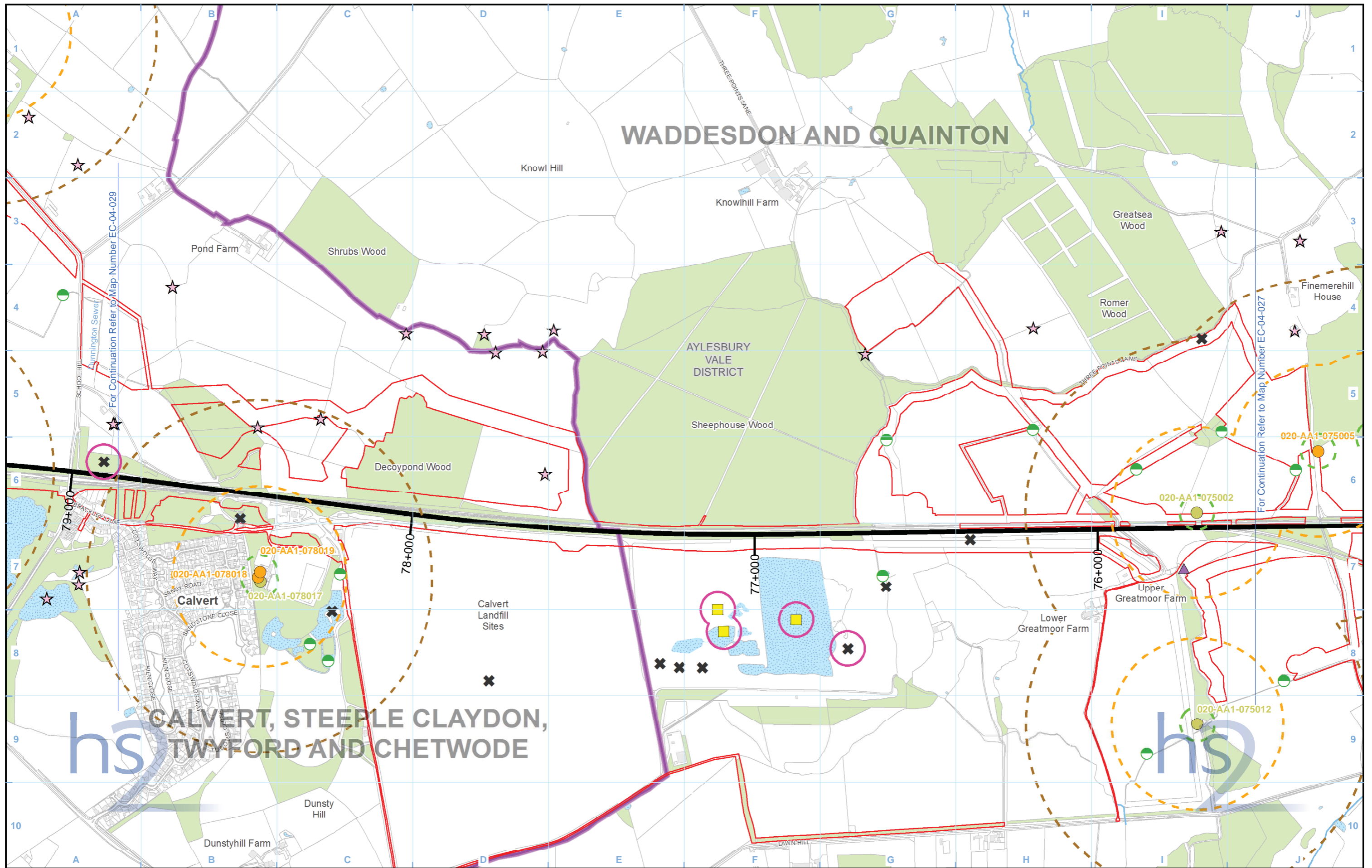
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Doc Number: C252-ETM-EV-MAP-020-004467-AP04-P01 **Date: 17/09/15**



WADDESDON AND QUANTON

CALVERT, STEEPLE CLAYDON, TWYFORD AND CHETWODE

Legend

	Route in tunnel		District/Borough boundary
	Route on surface		Watercourse
	Depot, station, headhouse or portal building		Water body
	Land potentially required during construction		Woodland (not verified by survey)
	Community forum boundary		Area contains new survey data
	County boundary		eDNA survey complete, result inconclusive

	Great Crested Newts present (6 visits) - medium population (11 - 99 adults)		Scoped in - no access permission
	Great Crested Newts present (6 visits) - small population (1 - 10 adults)		Scoped out - no survey required
	Survey complete, Great Crested Newts assumed absent		50m radius from all water bodies where presence of Great Crested Newts is confirmed
	Scoped in - Habitat Suitability Index (HSI)/walkover only		250m radius from all water bodies where presence of Great Crested Newts is confirmed

	500m radius from all water bodies where presence of Great Crested Newts is confirmed
--	--

Map Number	EC-04-028b
Map Name	Amphibians SES3 and AP4 ES
Community Forum Area CFA13: Calvert, Steeple Claydon, Twyford and Chetwode	

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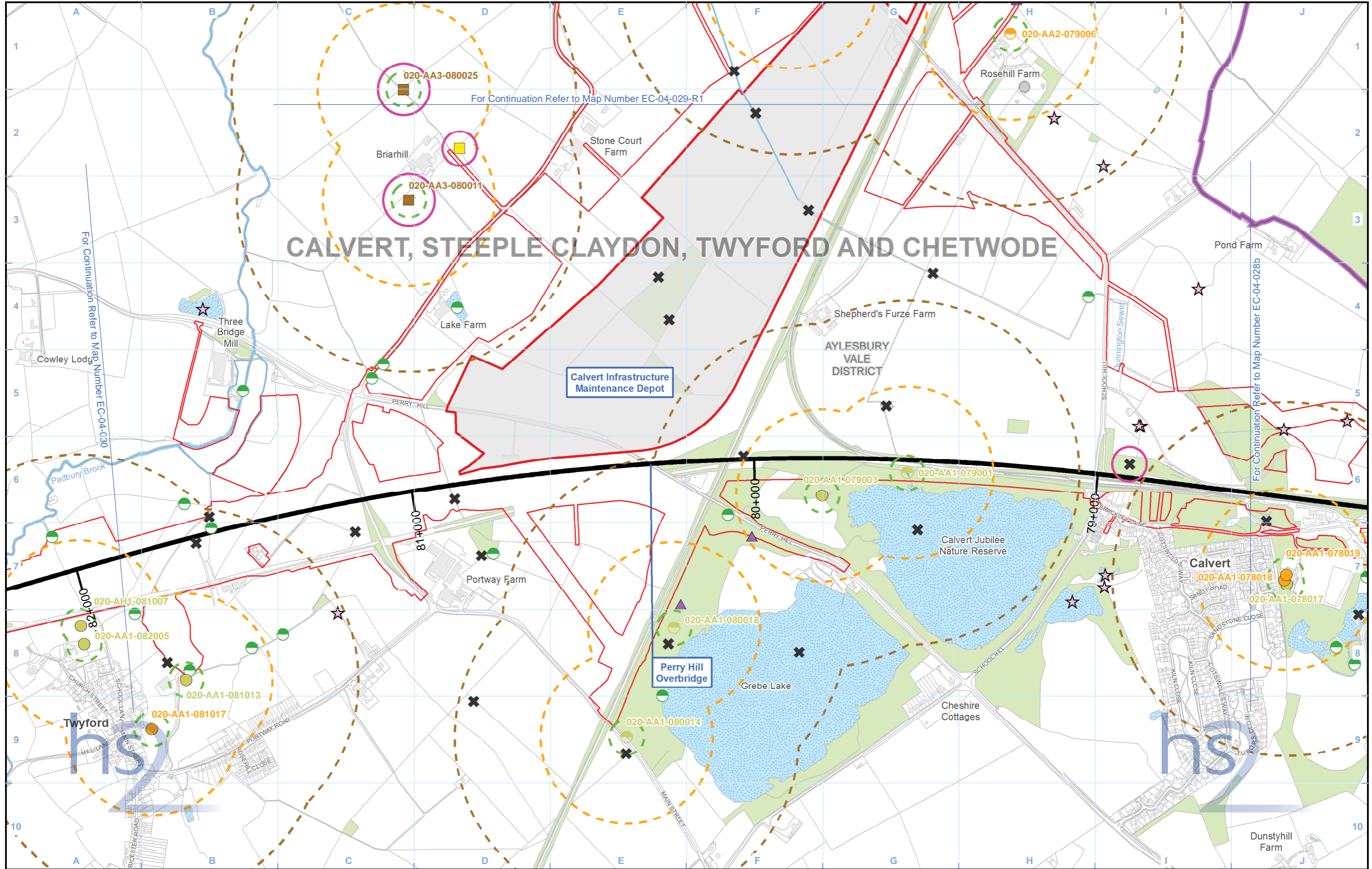
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Scale at A3: 1:10,000

0 100 200 300 400 Metres

Doc Number: C252-ETM-EV-MAP-020-004525-AP04-P01 Date: 17/09/15

CALVERT, STEEPLE CLAYDON, TWYFORD AND CHETWODE



Legend	
	Route in tunnel
	Route on surface
	Depot, station, headhouse or portal building
	Land potentially required during construction
	Community forum boundary
	County boundary
	District/Borough boundary
	Watercourse
	Water body
	Woodland (not verified by survey)
	Area contains new survey data
	eDNA survey complete, Great Crested Newts present
	eDNA survey complete, result inconclusive
	Great Crested Newts present (6 visits) - medium population (11 - 99 adults)
	Great Crested Newts present (less than 6 visits) - small population (1 - 10 adults)
	Survey complete, Great Crested Newts assumed absent
	Survey incomplete, no Great Crested Newts found
	Scoped in - Habitat Suitability Index (HSI)/walkover only
	Scoped in - no access permission
	Scoped out - no survey required
	50m radius from all water bodies where presence of Great Crested Newts is confirmed
	250m radius from all water bodies where presence of Great Crested Newts is confirmed
	500m radius from all water bodies where presence of Great Crested Newts is confirmed

Map Number	EC-04-029
Map Name	Amphibians SES3 and AP4 ES
Community Forum Area CFA13: Calvert, Steeple Claydon, Twyford and Chetwode	

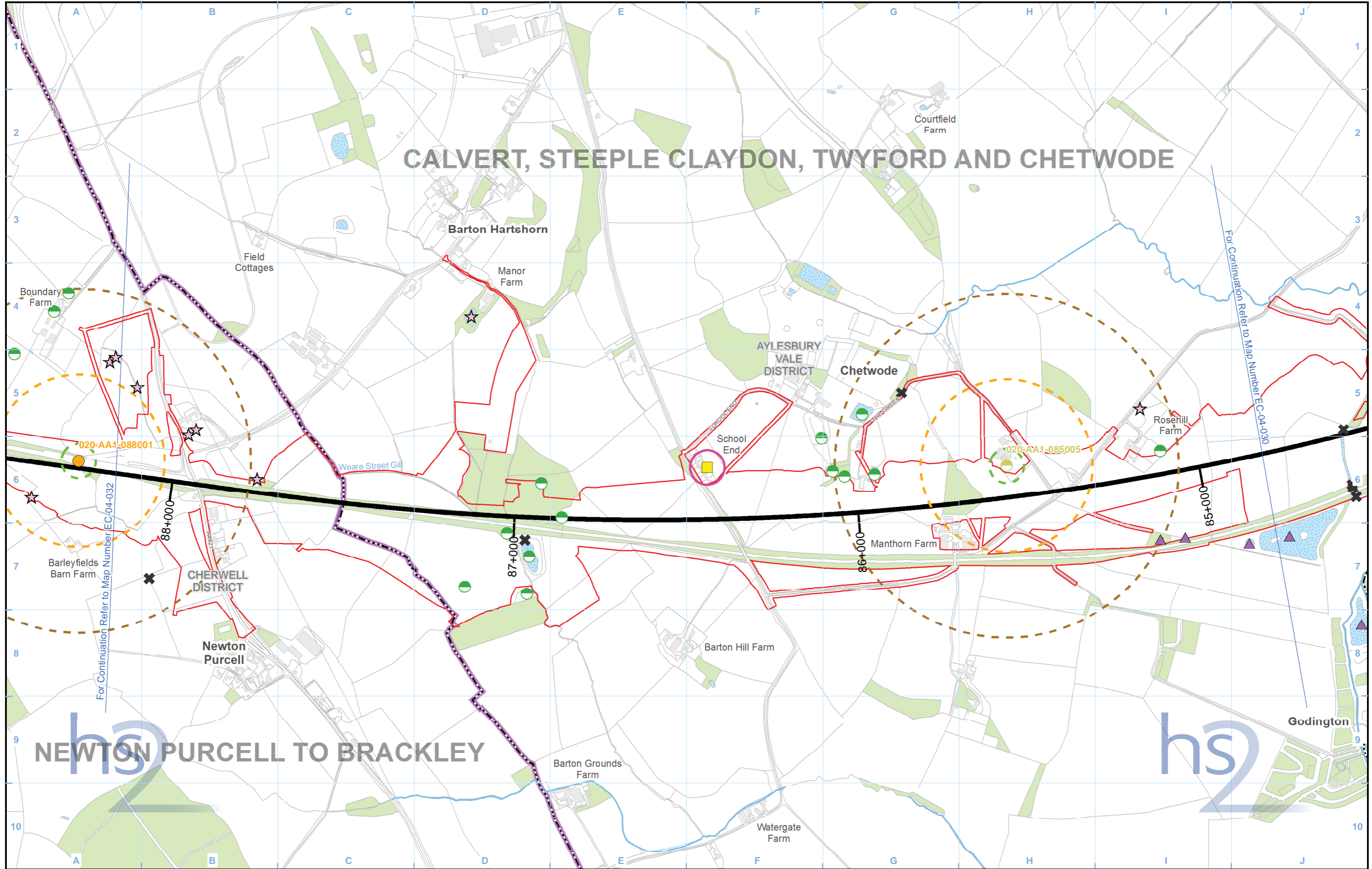
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Scale at A3: 1:10,000

Metres

Doc Number: C252-ETM-EV-MAP-020-004474-AP04-P01 Date: 17/09/15

CALVERT, STEEPLE CLAYDON, TWYFORD AND CHETWODE



NEWTON PURCELL TO BRACKLEY

Legend			

Map Number	EC-04-031a
Map Name	Amphibians SES3 and AP4 ES
Community Forum Area CFA13: Calvert, Steeple Claydon, Twyford and Chetwode	

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Doc Number: C252-ETM-EV-MAP-020-004475-AP04-P01

Scale at A3: 1:10,000

Metres

Date: 17/09/15

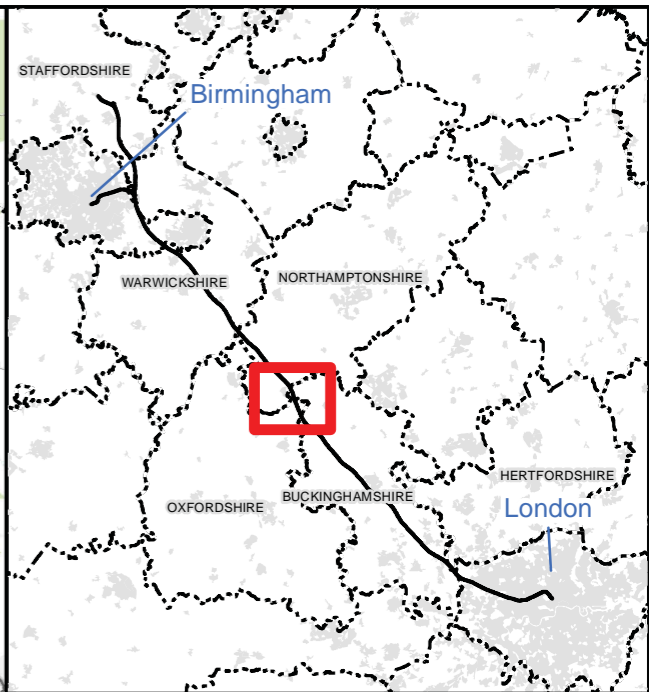
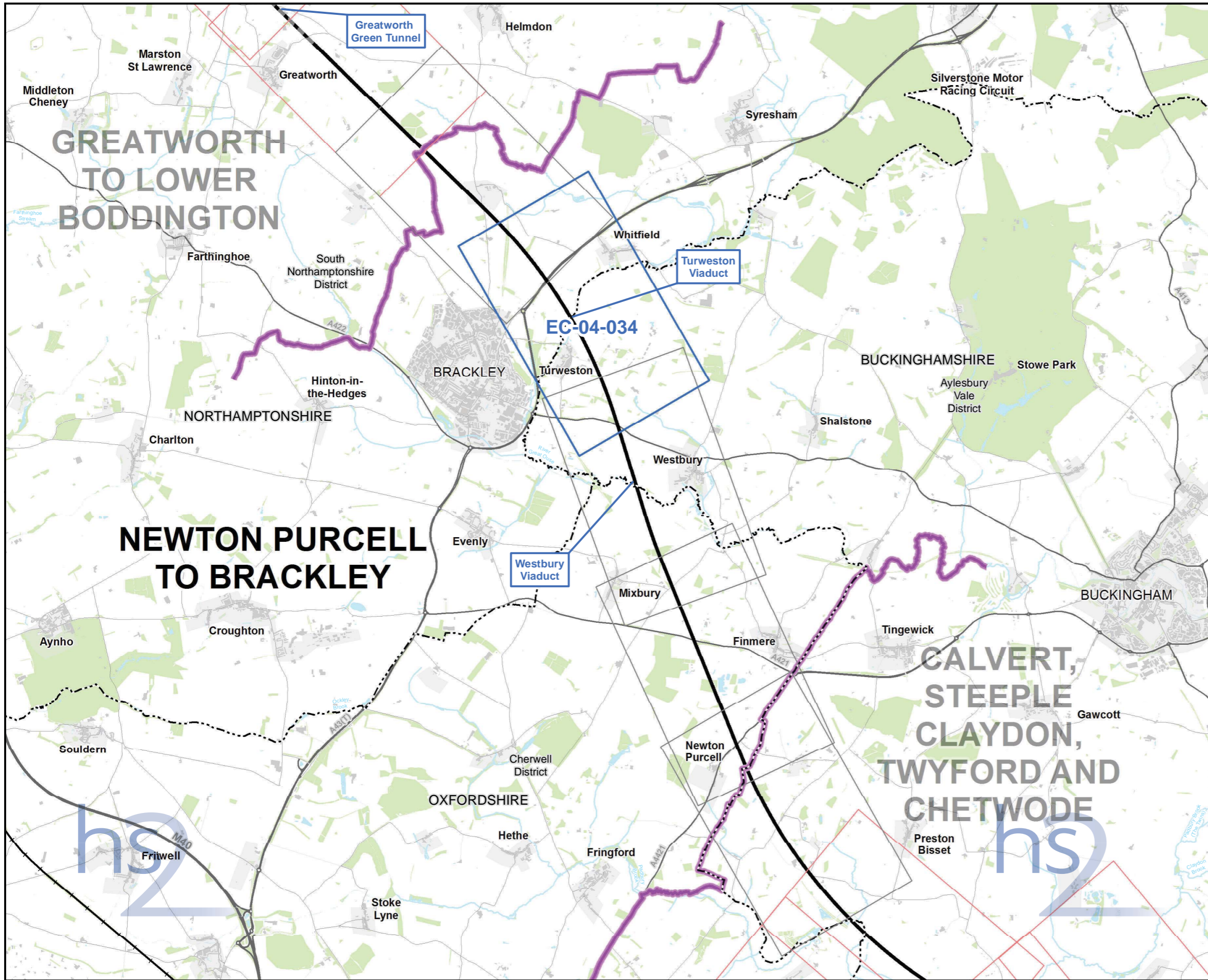
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HIGH SPEED RAIL (LONDON - WEST MIDLANDS)

Supplementary Environmental Statement 3 and
Additional Provision 4 Environmental Statement

Volume 5 | CFA14 Newton Purcell to Brackley
EC-04 – Amphibians

October 2015



Map Series Information:

This map series shows the results of amphibian surveys conducted to inform the Environmental Assessment. It principally details the results of great crested newt surveys conducted. In addition it shows the location of those 'exceptional' populations of common amphibians recorded.

Main Map Legend

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Community forum boundary
- Existing railway station
- County boundary
- District/Borough boundary
- Map sheets included in this community forum with amendment
- Map sheets included in this community forum with no amendment
- Map sheets not included in this community forum

Map Number	EC-04-INDEX-CFA14
Map Name	Index Map of: Amphibians SES3 and AP4 ES
	Community Forum Area CFA14: Newton Purcell to Brackley

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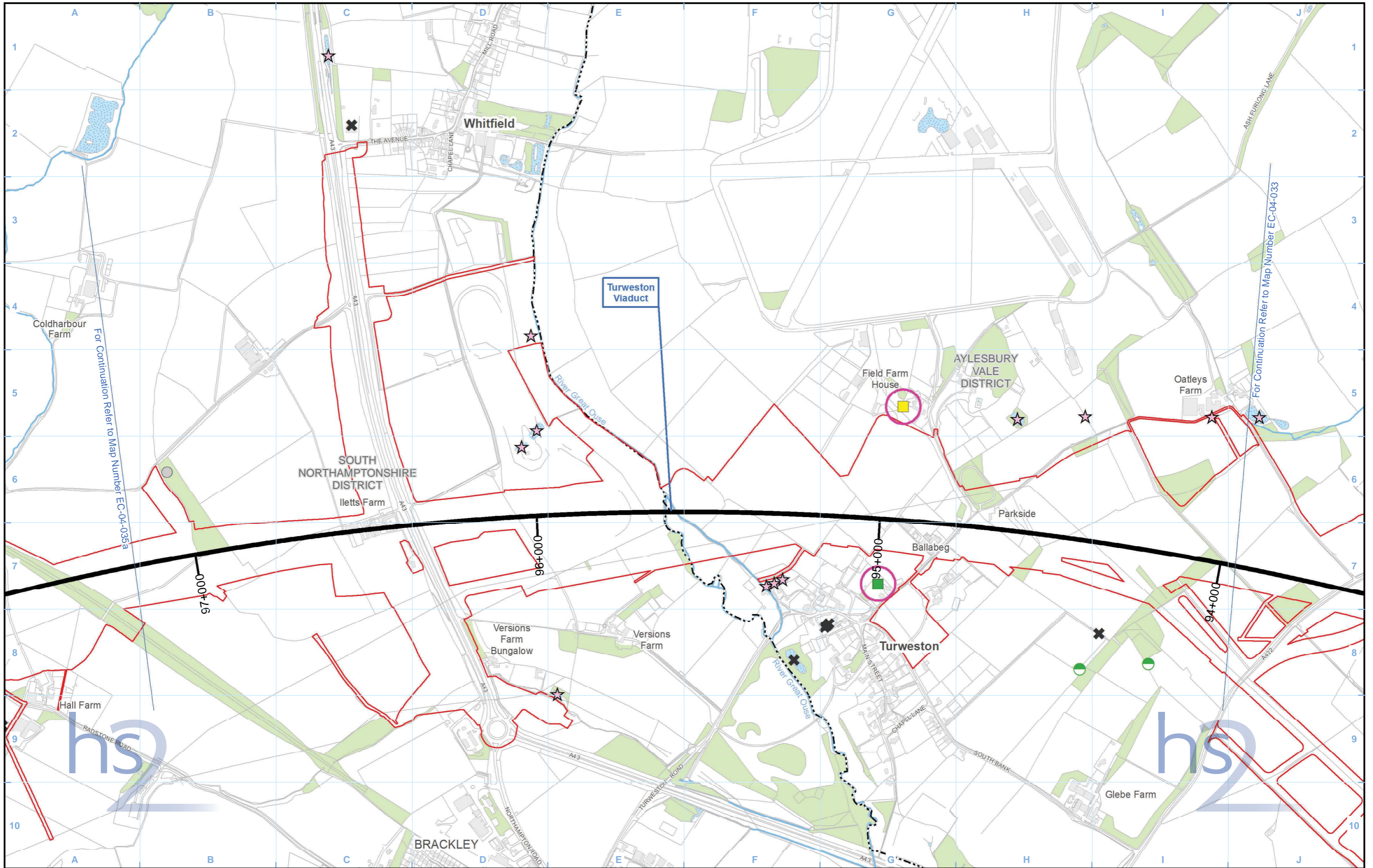
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Scale at A3: 1:65,000

0 650 1,300 1,950 2,600 Metres

Doc Number: C252-ETM-EV-MAP-020-004465-AP04-P01 Date: 17/09/15



- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Land potentially required during construction
 - Community forum boundary
 - County boundary
 - District/Borough boundary
 - Watercourse
 - Water body
 - Woodland (not verified by survey)
 - Area contains new survey data
 - eDNA survey complete, Great Crested Newts assumed absent
 - eDNA survey complete, result inconclusive
 - Survey complete, Great Crested Newts assumed absent
 - Survey incomplete, no Great Crested Newts found
 - Scoped in - no access permission
 - Scoped out - no survey required

Map Number
EC-04-034

Map Name
**Amphibians
SES3 and AP4 ES**

Community Forum Area CFA14:
Newton Purcell to Brackley

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Doc Number: C252-ETM-EV-MAP-020-004523-AP04-P01 Date: 17/09/15

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HIGH SPEED RAIL (LONDON - WEST MIDLANDS)

Supplementary Environmental Statement 3 and
Additional Provision 4 Environmental Statement

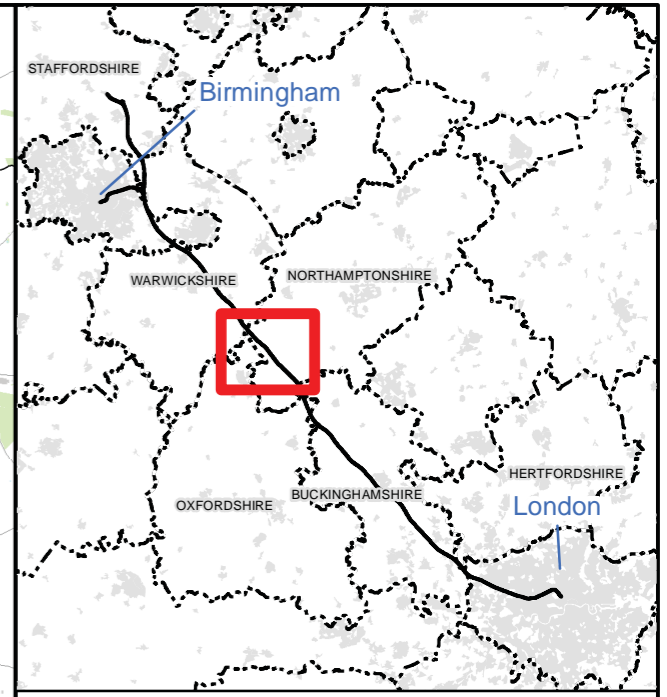
Volume 5 | CFA15 Greatworth to Lower Boddington
EC-04 – Amphibians

October 2015

LADBROKE AND SOUTHAM

GREATWORTH TO LOWER BODDINGTON

EC-04-039



Map Series Information:

This map series shows the results of amphibian surveys conducted to inform the Environmental Assessment. It principally details the results of great crested newt surveys conducted. In addition it shows the location of those 'exceptional' populations of common amphibians recorded.

Main Map Legend

Route in tunnel	Map sheets included in this community forum with amendment
Route on surface	Map sheets included in this community forum with no amendment
Depot, station, headhouse or portal building	Map sheets not included in this community forum
Community forum boundary	
Existing railway station	
County boundary	
District/Borough boundary	

Map Number	EC-04-INDEX-CFA15
Map Name	Index Map of: Amphibians SES3 and AP4 ES Community Forum Area CFA15: Greatworth to Lower Boddington

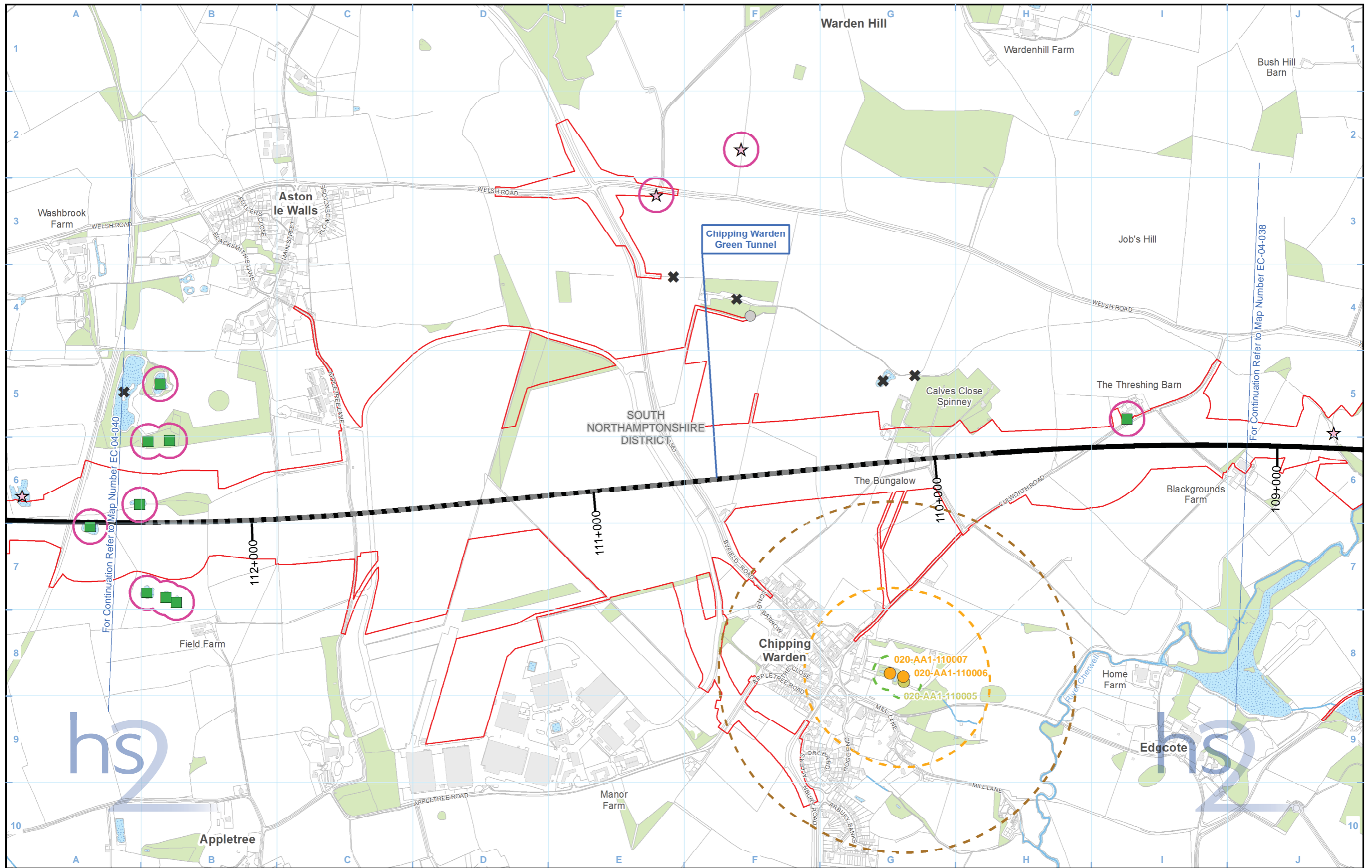
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Doc Number: C252-ETM-EV-MAP-020-004522-AP04-P01 Date: 17/09/15



Legend

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Land potentially required during construction
- Community forum boundary
- County boundary
- District/Borough boundary
- Watercourse
- Water body
- Woodland (not verified by survey)
- Area contains new survey data
- eDNA survey complete, Great Crested Newts assumed absent

- Great Crested Newts present (6 visits) - medium population (11 - 99 adults)
- Great Crested Newts present (6 visits) - small population (1 - 10 adults)
- Survey incomplete, no Great Crested Newts found
- Scoped in - no access permission
- Scoped out - no survey required
- 50m radius from all water bodies where presence of Great Crested Newts is confirmed
- 250m radius from all water bodies where presence of Great Crested Newts is confirmed

- 500m radius from all water bodies where presence of Great Crested Newts is confirmed

Map Number: EC-04-039

Map Name: Amphibians SES3 and AP4 ES

Community Forum Area CFA15: Greatworth to Lower Boddington

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Doc Number: C252-ETM-EV-MAP-020-004524-AP04-P01

Date: 18/09/15

Scale at A3: 1:10,000

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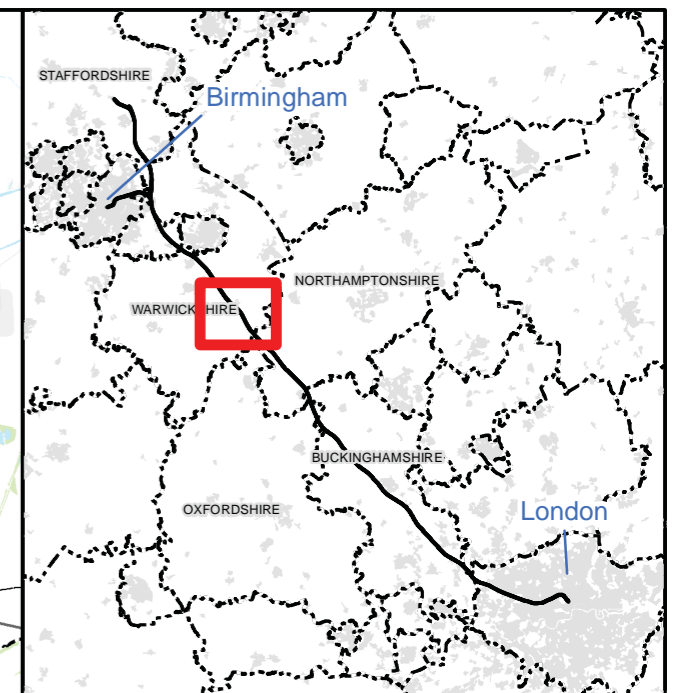
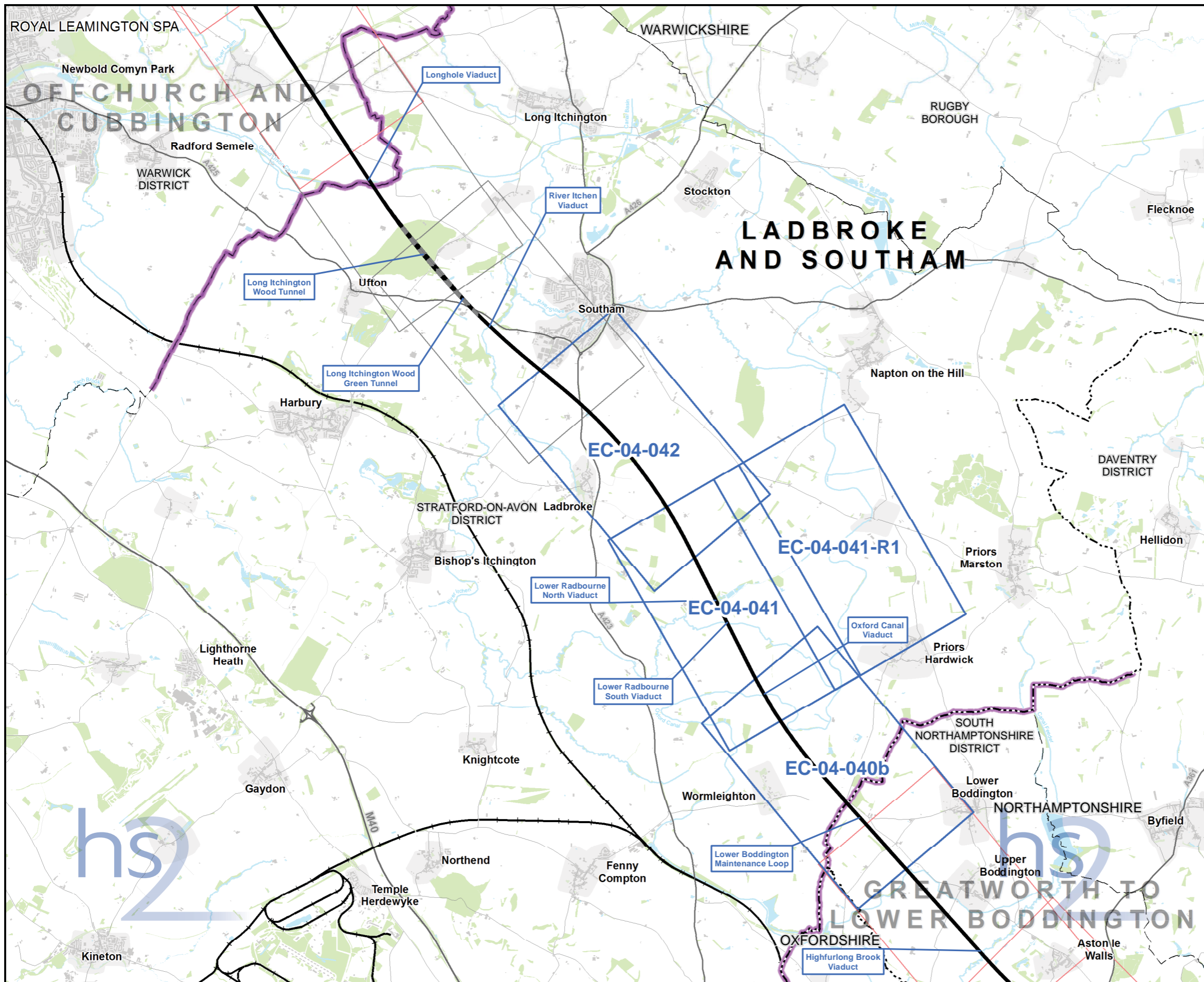
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HIGH SPEED RAIL (LONDON - WEST MIDLANDS)

Supplementary Environmental Statement 3 and
Additional Provision 4 Environmental Statement

Volume 5 | CFA16 Ladbroke and Southam
EC-04 – Amphibians

October 2015



Map Series Information:

This map series shows the results of amphibian surveys conducted to inform the Environmental Assessment. It principally details the results of great crested newt surveys conducted. In addition it shows the location of those 'exceptional' populations of common amphibians recorded.

Note: Not all data layers in the legend are represented on every map.

- Main Map Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community forum boundary
 - Existing railway station
 - County boundary
 - District/Borough boundary
 - Map sheets included in this community forum with amendment
 - Map sheets included in this community forum with no amendment
 - Map sheets not included in this community forum

Map Number EC-04-INDEX-CFA16

Map Name
**Index Map of:
 Amphibians
 SES3 and AP4 ES**

Community Forum Area CFA16:
 Ladbroke and Southam

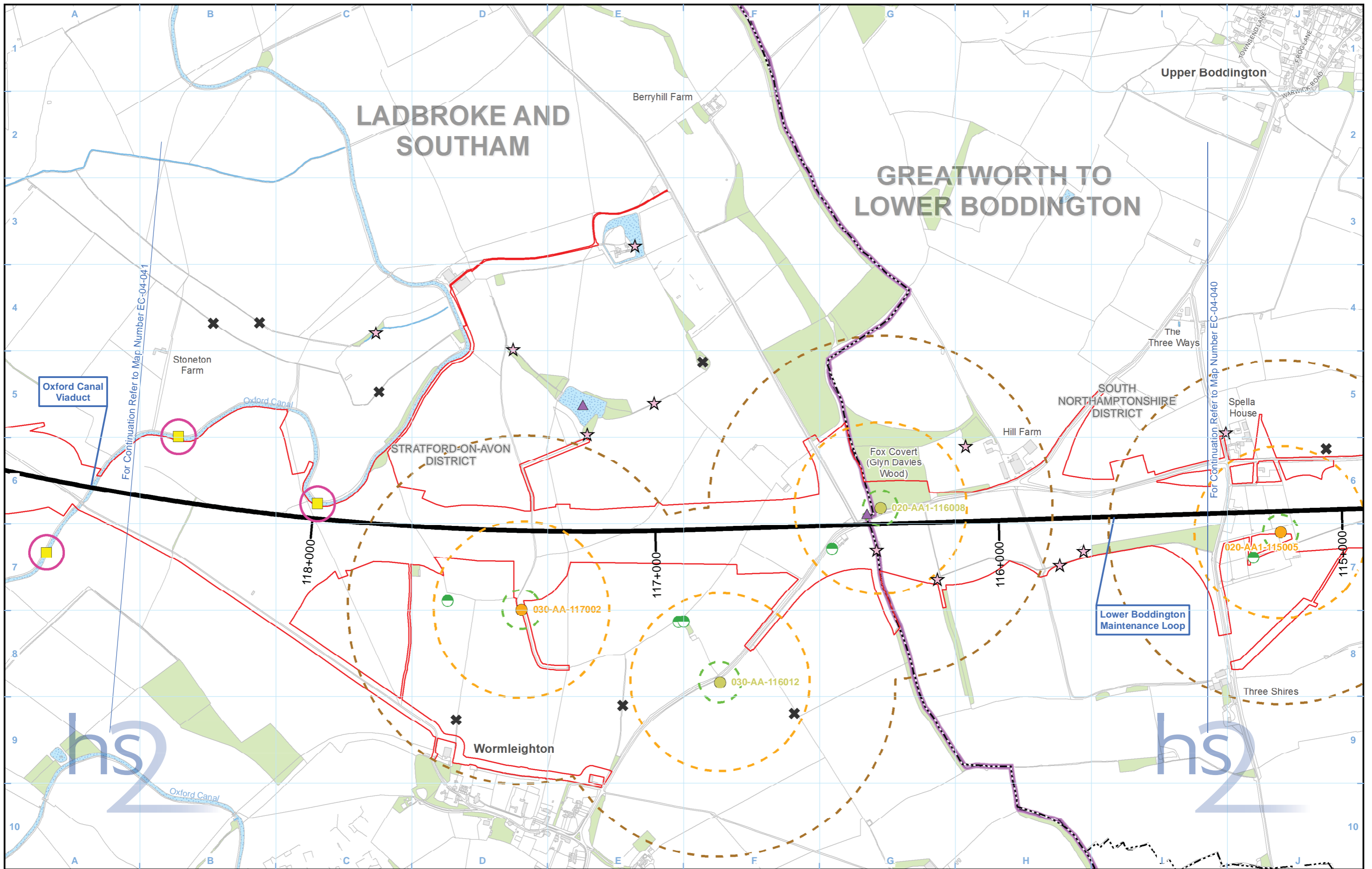
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Doc Number: C253-ATK-EV-MAP-030-002074-AP04-P01 **Date: 14/09/15**



Legend	
	Route in tunnel
	Route on surface
	Depot, station, headhouse or portal building
	Land potentially required during construction
	Community forum boundary
	County boundary
	District/Borough boundary
	Watercourse
	Water body
	Woodland (not verified by survey)
	Area contains new survey data
	eDNA survey complete, result inconclusive
	Great Crested Newts present (6 visits) - medium population (11 - 99 adults)
	Great Crested Newts present (6 visits) - small population (1 - 10 adults)
	Survey complete, Great Crested Newts assumed absent
	Scoped in - Habitat Suitability Index (HSI)/walkover
	Scoped in - no access permission
	Scoped out - no survey required
	50m radius from all water bodies where presence of Great Crested Newts is confirmed
	250m radius from all water bodies where presence of Great Crested Newts is confirmed
	500m radius from all water bodies where presence of Great Crested Newts is confirmed

Map Number	EC-04-040b
Map Name	Amphibians SES3 and AP4 ES
Community Forum Area CFA16: Ladbroke and Southam	

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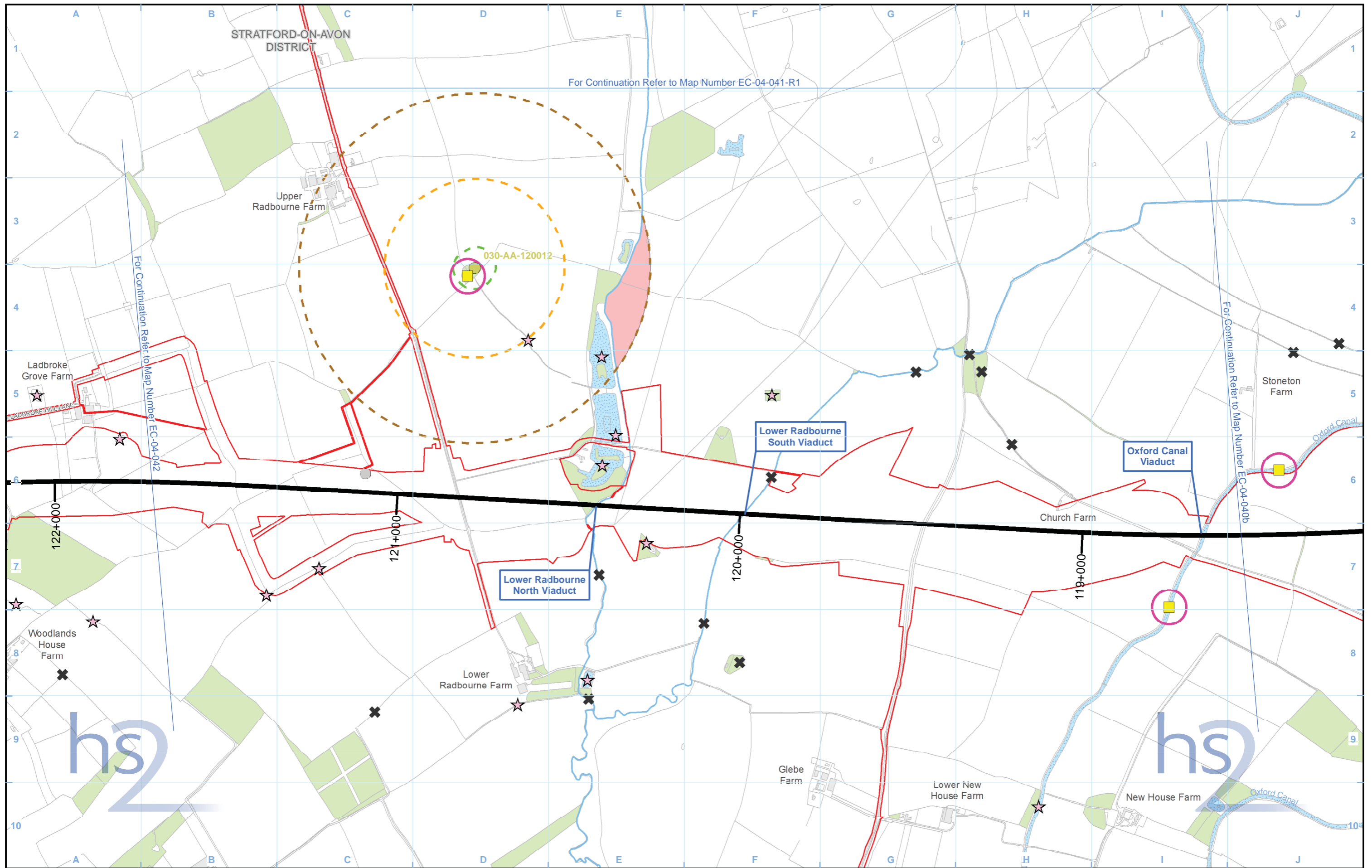
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Doc Number: C253-ATK-EV-MAP-030-002081-AP04-P01

Date: 15/09/15



Legend	
	Route in tunnel
	Route on surface
	Depot, station, headhouse or portal building
	Land potentially required during construction
	Community forum boundary
	County boundary
	District/Borough boundary
	Watercourse
	Water body
	Woodland
	Area contains new survey data
	eDNA survey complete, result inconclusive
	Great Crested Newts present (6 visits) - small population (1 - 10 adults)
	Survey incomplete, no Great Crested Newts found
	Scoped in - no access permission
	Scoped out - no survey required
	50m radius from all water bodies where presence of Great Crested Newts is confirmed
	250m radius from all water bodies where presence of Great Crested Newts is confirmed
	500m radius from all water bodies where presence of Great Crested Newts is confirmed
	Areas isolated by significant barriers to amphibian movement

Map Number	EC-04-041
Map Name	Amphibians SES3 and AP4 ES
Community Forum Area CFA16: Ladbrooke and Southam	

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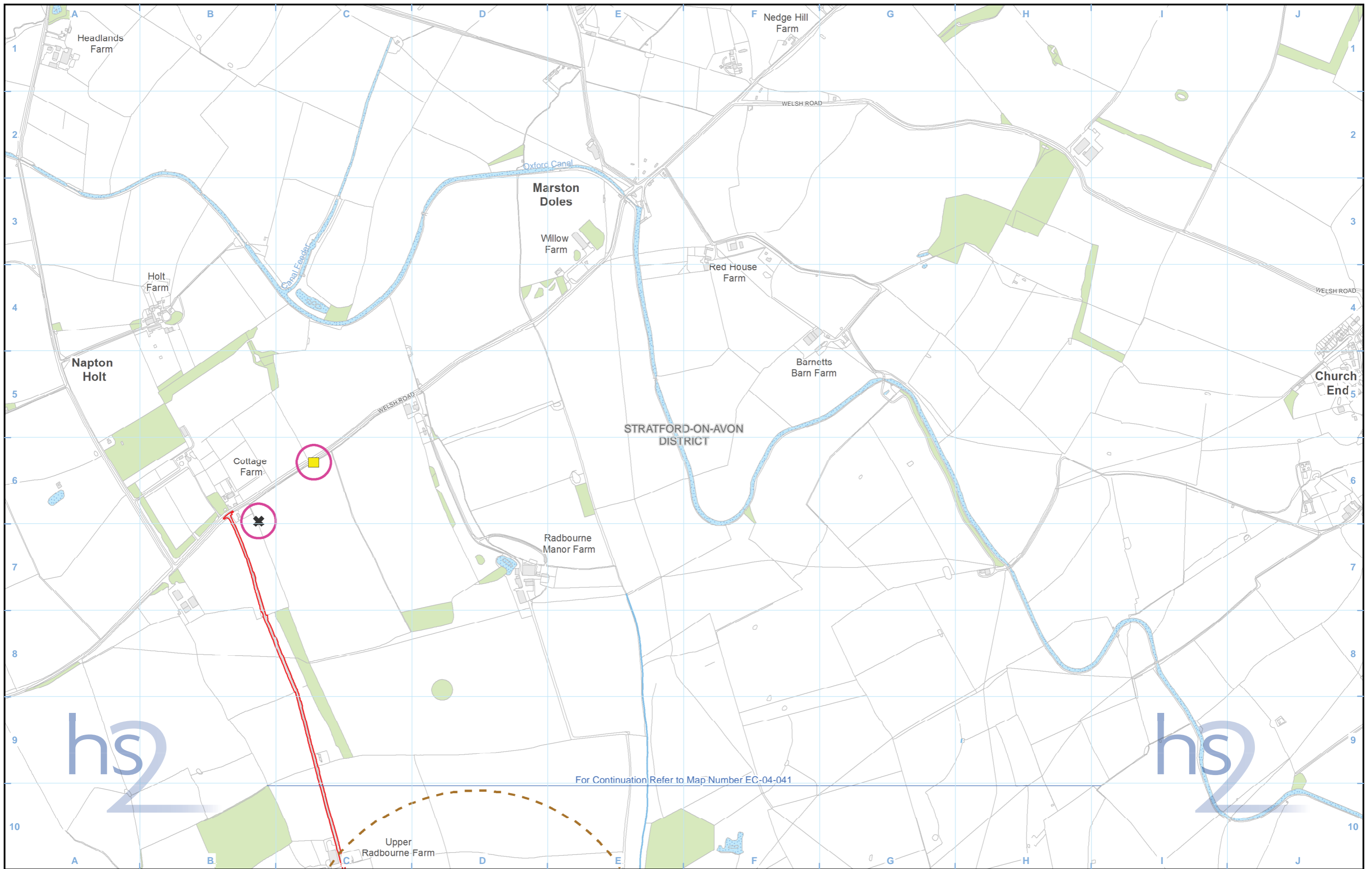
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Doc Number: C253-ATK-EV-MAP-030-002082-AP04-P01

Date: 15/09/15



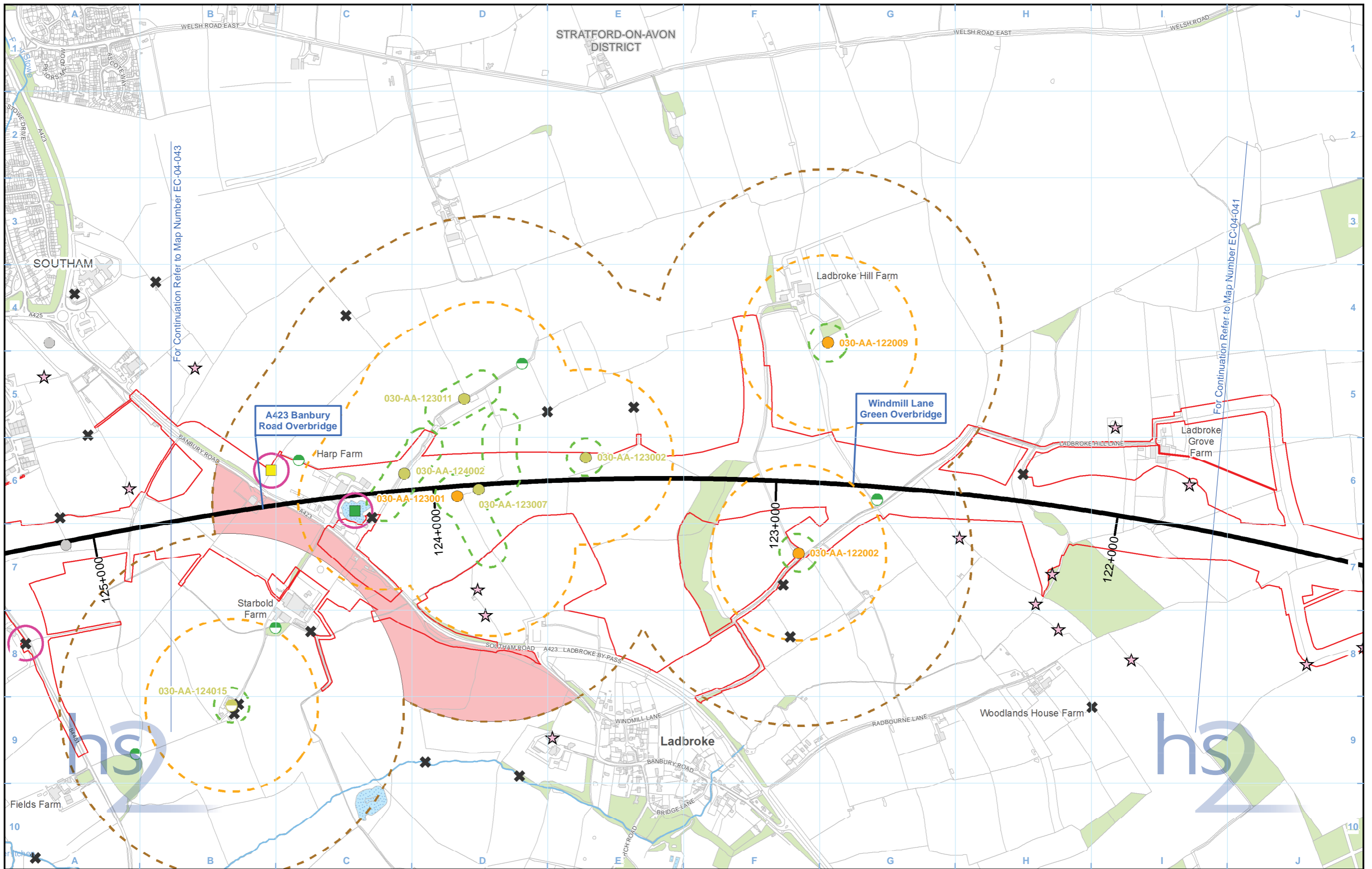
Legend			
			eDNA survey complete, result inconclusive
			Scoped out - no survey required
			500m radius from all water bodies where presence of Great Crested Newts is confirmed
			Area contains new survey data

Map Number	EC-04-041-R1
Map Name	Amphibians SES3 and AP4 ES
	Community Forum Area CFA16: Ladbroke and Southam

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Doc Number: C253-ATK-EV-MAP-030-002083-AP04-P01 Date: 15/09/15



Legend	
Route in tunnel	District/Borough boundary
Route on surface	Watercourse
Depot, station, headhouse or portal building	Water body
Land potentially required during construction	Woodland (not verified by survey)
Community forum boundary	Area contains new survey data
County boundary	
eDNA survey complete, Great Crested Newts assumed absent	Great Crested Newts present (6 visits) - small population (1 - 10 adults)
eDNA survey complete, result inconclusive	Great Crested Newts present (less than 6 visits) - small population (1 - 10 adults)
Great Crested Newts present (6 visits) - medium population (11 - 99 adults)	Survey complete, Great Crested Newts assumed absent
Survey incomplete, no Great Crested Newts found	Scoped in - no access permission
Scoped out - no survey required	250m radius from all water bodies where presence of Great Crested Newts is confirmed
50m radius from all water bodies where presence of Great Crested Newts is confirmed	500m radius from all water bodies where presence of Great Crested Newts is confirmed
	Areas isolated by significant barriers to amphibian movement

Map Number	EC-04-042
Map Name	Amphibians SES3 and AP4 ES
Community Forum Area CFA16: Ladbroke and Southam	

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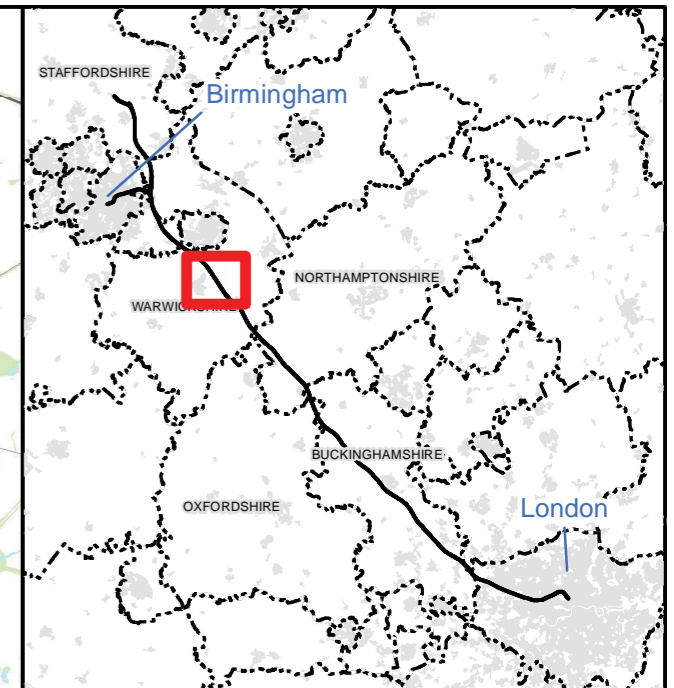
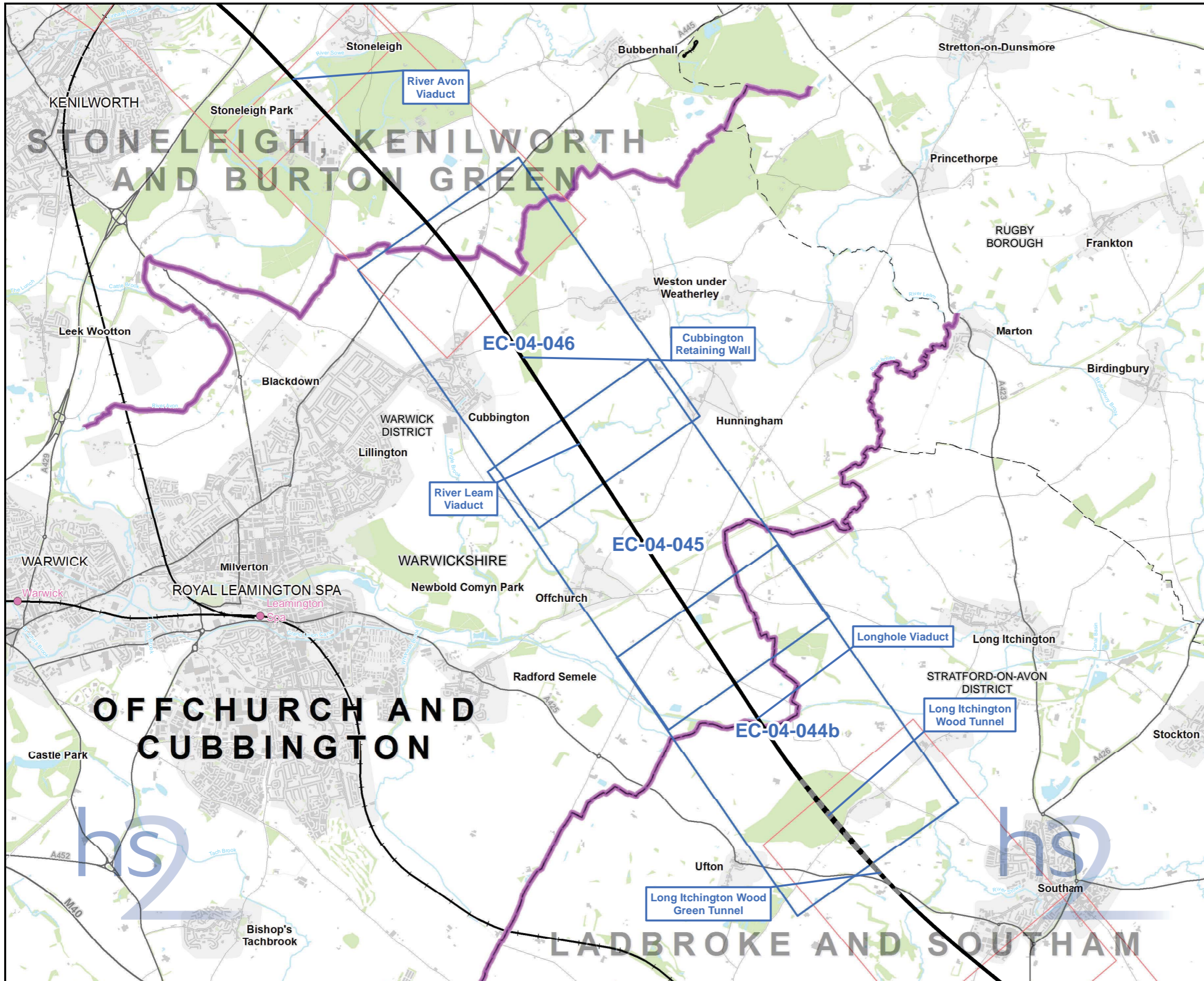
Doc Number: C253-ATK-EV-MAP-030-002084-AP04-P01 Date: 15/09/15

HIGH SPEED RAIL (LONDON - WEST MIDLANDS)

Supplementary Environmental Statement 3 and
Additional Provision 4 Environmental Statement

Volume 5 | CFA17 Offchurch and Cubbington
EC-04 – Amphibians

October 2015



Map Series Information:

This map series shows the results of amphibian surveys conducted to inform the Environmental Assessment. It principally details the results of great crested newt surveys conducted. In addition it shows the location of those 'exceptional' populations of common amphibians recorded.

- Main Map Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community forum boundary
 - Existing railway station
 - County boundary
 - District/Borough boundary
 - Map sheets included in this community forum with amendment
 - Map sheets included in this community forum with no amendment
 - Map sheets not included in this community forum

Map Number EC-04-INDEX-CFA17
 Map Name Index Map of:
 Amphibians
 SES3 and AP4 ES
 Community Forum Area CFA17:
 Offchurch and Cubbington

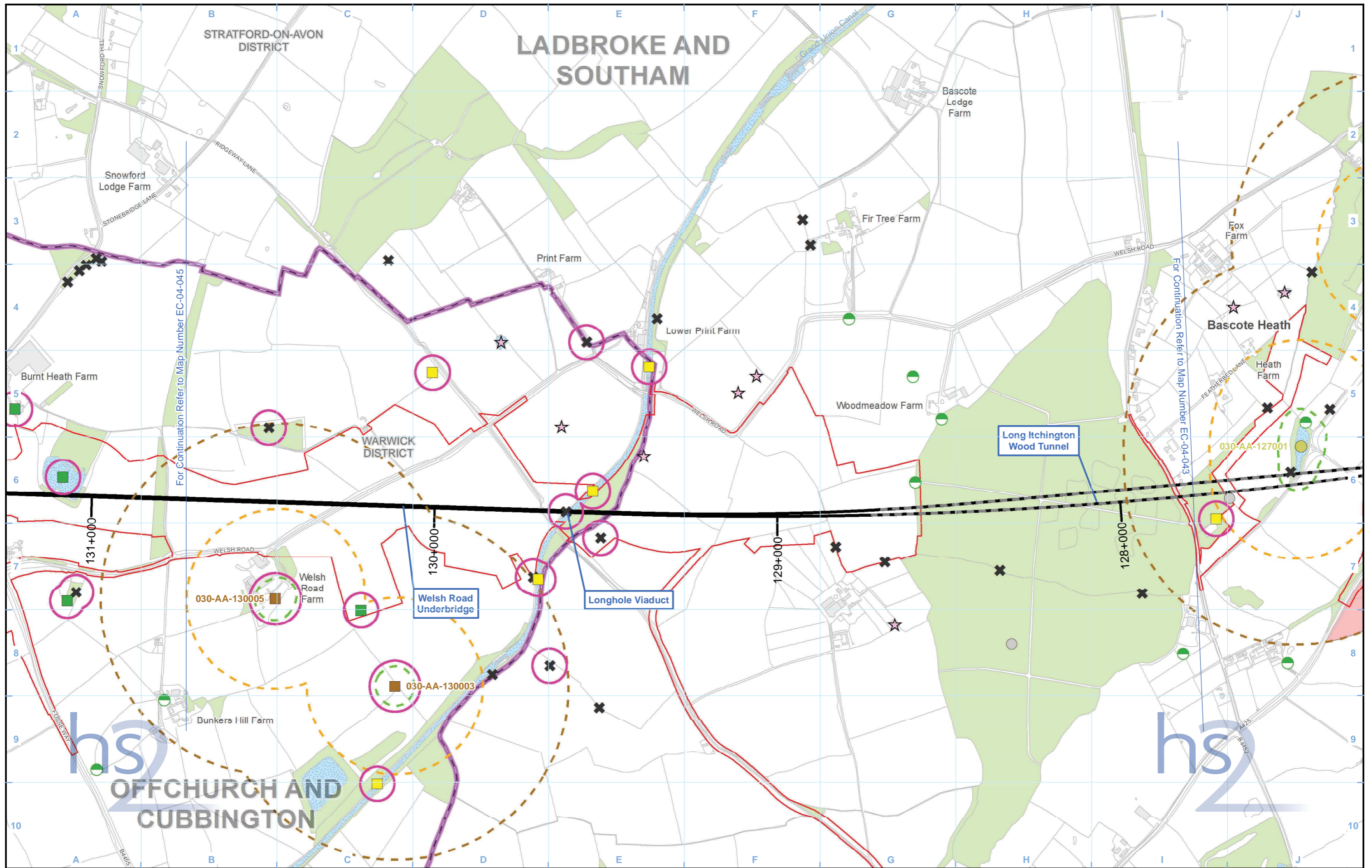
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Doc Number: C253-ATK-EV-MAP-030-002075-AP04-P01 Date: 14/09/15



Legend	
	Route in tunnel
	Route on surface
	Depot, station, headhouse or portal building
	Land potentially required during construction
	Community forum boundary
	County boundary
	District/Borough boundary
	Watercourse
	Water body
	Woodland (not verified by survey)
	Area contains new survey data
	eDNA survey complete, Great Crested Newts present
	eDNA survey complete, Great Crested Newts assumed absent
	eDNA survey complete, result inconclusive
	Great Crested Newts present (6 visits) - small population (1 - 10 adults)
	Survey complete, Great Crested Newts assumed absent
	Survey incomplete, no Great Crested Newts found
	Scoped in - no access permission
	Scoped out - no survey required
	50m radius from all water bodies where presence of Great Crested Newts is confirmed
	250m radius from all water bodies where presence of Great Crested Newts is confirmed
	500m radius from all water bodies where presence of Great Crested Newts is confirmed
	Areas isolated by significant barriers to amphibian movement

Map Number	EC-04-044b
Map Name	Amphibians SES3 and AP4 ES
Community Forum Area CFA17: Offchurch and Cubbington	

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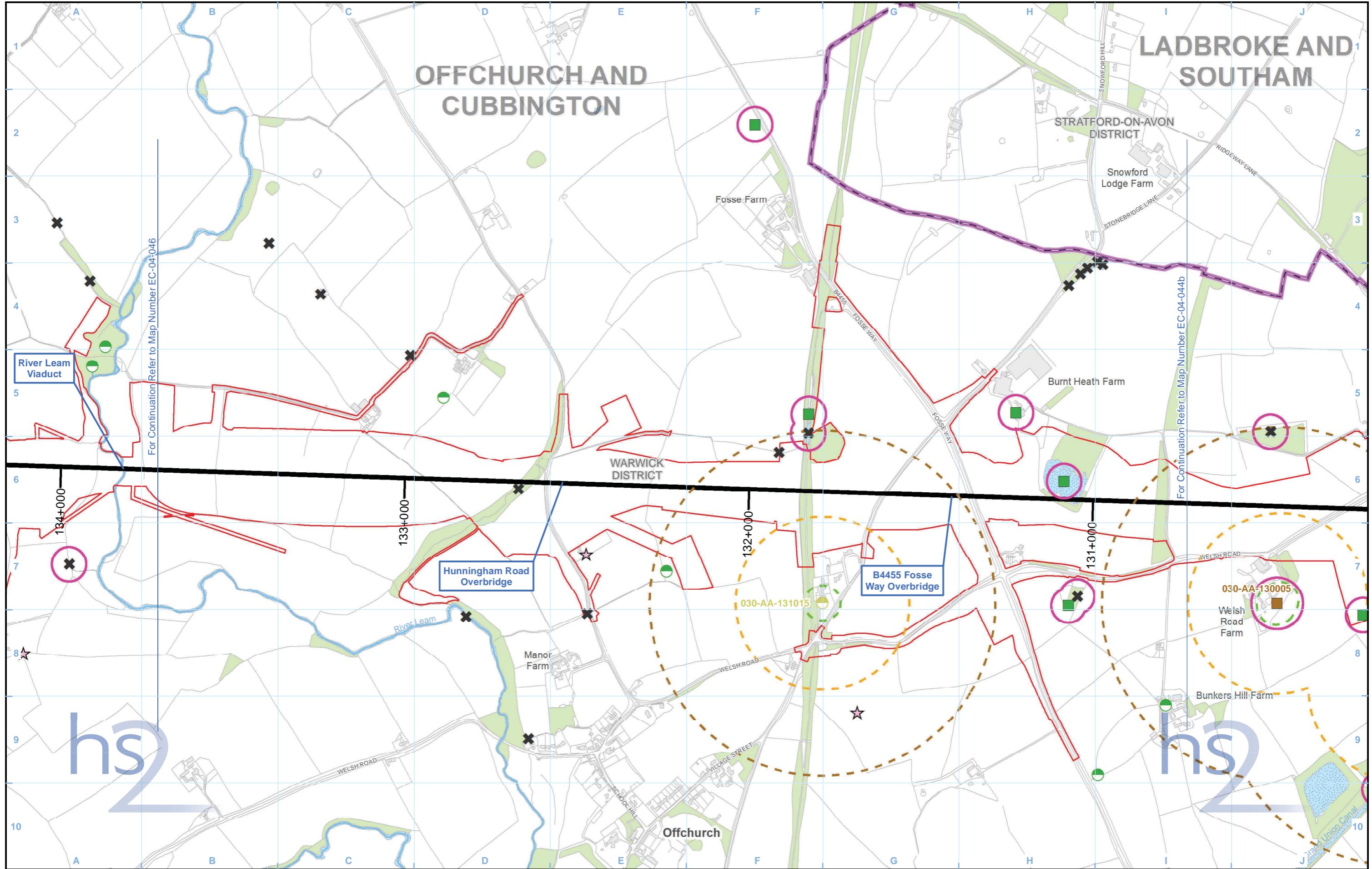
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Doc Number: C253-ATK-EV-MAP-030-002085-AP04-P01

Date: 14/09/15

OFFCHURCH AND CUBBINGTON

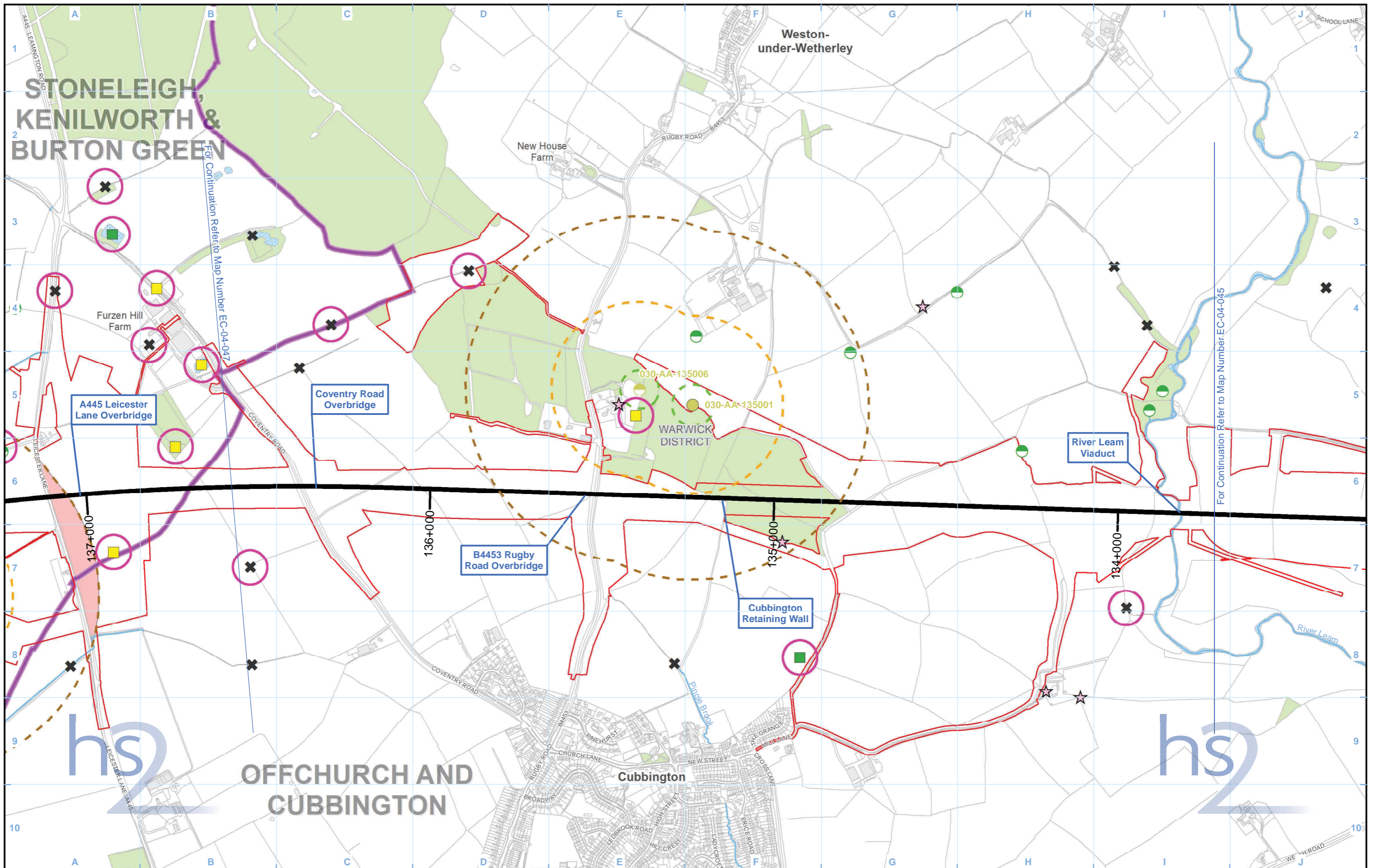
LADBROKE AND SOUTHAM



For Continuation Refer to Map Number EC-04-046

For Continuation Refer to Map Number EC-04-044b

Legend <ul style="list-style-type: none"> Route in tunnel Route on surface Depot, station, headhouse or portal building Land potentially required during construction Community forum boundary County boundary District/Borough boundary Watercourse Water body Woodland (not verified by survey) Area contains new survey data eDNA survey complete, Great Crested Newts present eDNA survey complete, Great Crested Newts assumed absent Great Crested Newts present (less than 6 visits) - small population (1 - 10 adults) Survey complete, Great Crested Newts assumed absent Scoped in - no access permission Scoped out - no survey required 50m radius from all water bodies where presence of Great Crested Newts is confirmed 250m radius from all water bodies where presence of Great Crested Newts is confirmed 500m radius from all water bodies where presence of Great Crested Newts is confirmed 		Map Number EC-04-045	<p>HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.</p> <p>Registered in England. Registration number 06791686. Registered office: One Canada Square, London, E14 5AB.</p> <p>© Crown copyright and database rights 2015. Ordnance Survey Licence Number 100049190.</p> <p>Scale at A3: 1:10,000</p> <p>Doc Number: C253-ATK-EV-MAP-030-002086-AP04-P01</p> <p>Date: 14/09/15</p>
Map Name Amphibians SES3 and AP4 ES		Community Forum Area CFA17: Offchurch and Cubbington	



Legend	
	Route in tunnel
	Route on surface
	Depot, station, headhouse or portal building
	Land potentially required during construction
	Community forum boundary
	County boundary
	District/Borough boundary
	Watercourse
	Water body
	Woodland (not verified by survey)
	Area contains new survey data
	eDNA survey complete, Great Crested Newts assumed absent
	eDNA survey complete, result inconclusive
	Great Crested Newts present (6 visits) - small population (1 - 10 adults)
	Great Crested Newts present (less than 6 visits) - small population (1 - 10 adults)
	Survey complete, Great Crested Newts assumed absent
	Scoped in - no access permission
	Scoped out - no survey required
	50m radius from all water bodies where presence of Great Crested Newts is confirmed
	250m radius from all water bodies where presence of Great Crested Newts is confirmed
	500m radius from all water bodies where presence of Great Crested Newts is confirmed
	Areas isolated by significant barriers to amphibian movement

Map Number	EC-04-046
Map Name	Amphibians SES3 and AP4 ES
Community Forum Area CFA17: Offchurch and Cubbington	

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Doc Number: C253-ATK-EV-MAP-030-002087-AP04-P01

Date: 14/09/15

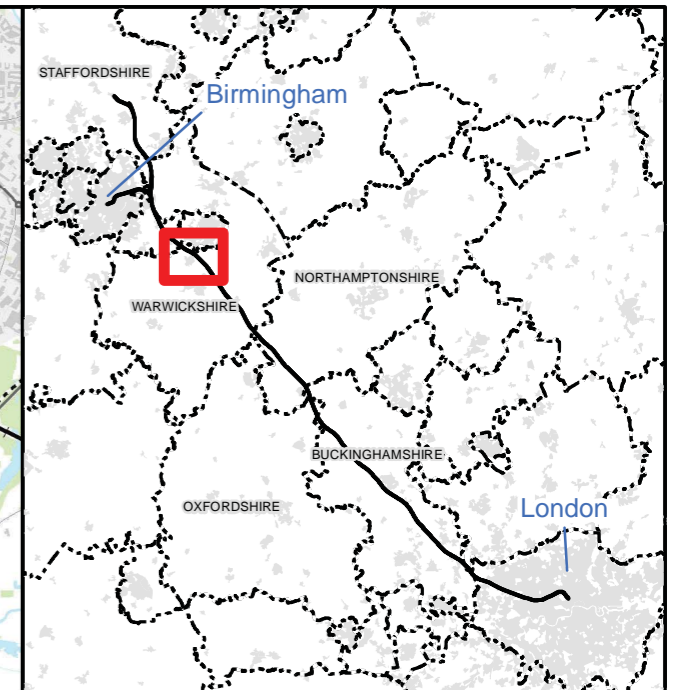
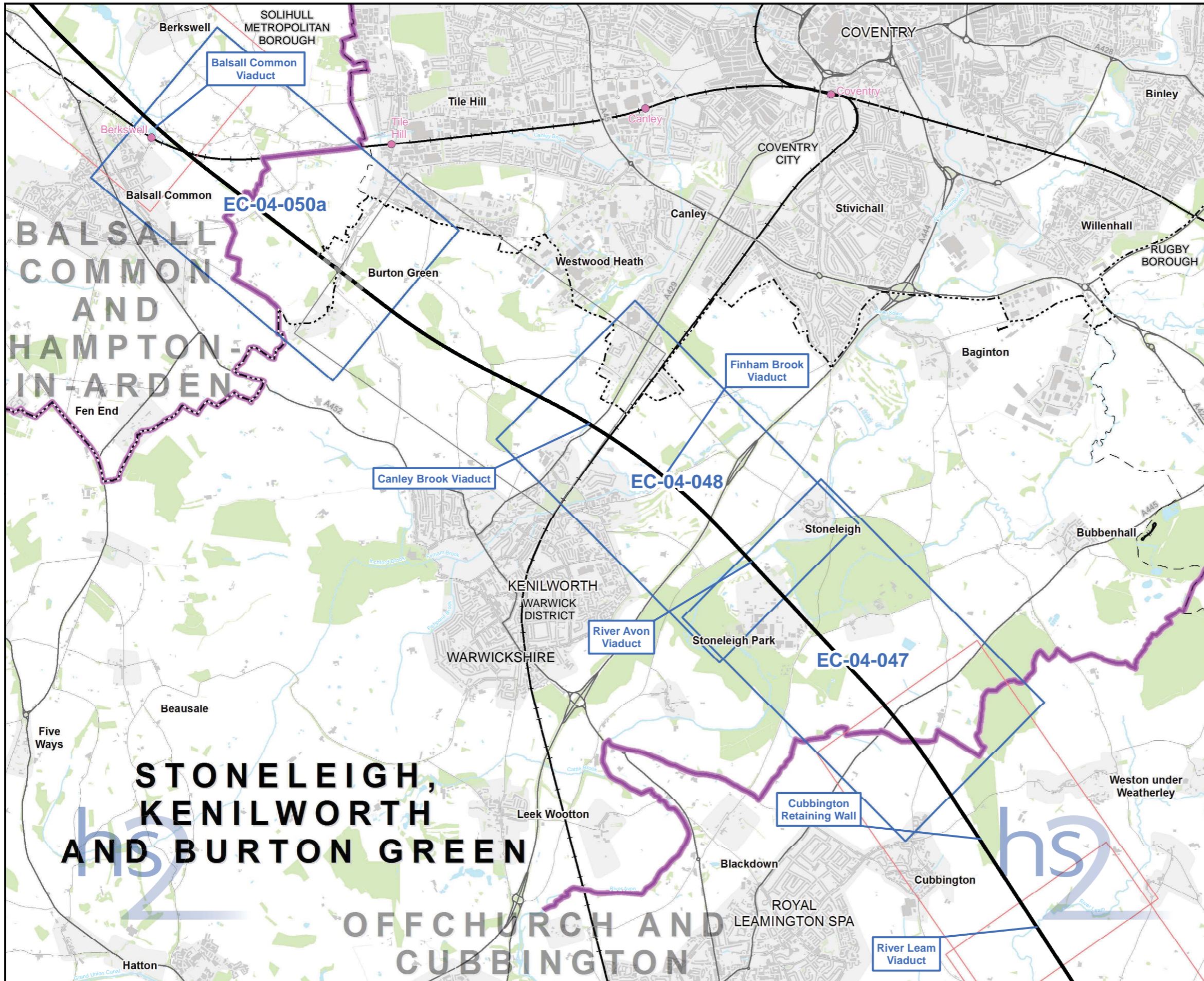
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HIGH SPEED RAIL (LONDON - WEST MIDLANDS)

Supplementary Environmental Statement 3 and
Additional Provision 4 Environmental Statement

Volume 5 | CFA18 Stoneleigh, Kenilworth and Burton Green
EC-04 – Amphibians

October 2015



Map Series Information:

This map series shows the results of amphibian surveys conducted to inform the Environmental Assessment. It principally details the results of great crested newt surveys conducted. In addition it shows the location of those 'exceptional' populations of common amphibians recorded.

Note: Not all data layers in the legend are represented on every map.

Main Map Legend

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Community forum boundary
- Existing railway station
- County boundary
- District/Borough boundary
- Map sheets included in this community forum with amendment
- Map sheets included in this community forum with no amendment
- Map sheets not included in this community forum

Map Number	EC-04-INDEX-CFA18
Map Name	Index Map of: Amphibians SES3 and AP4 ES
Community Forum Area CFA18: Stoneleigh, Kenilworth and Burton Green	

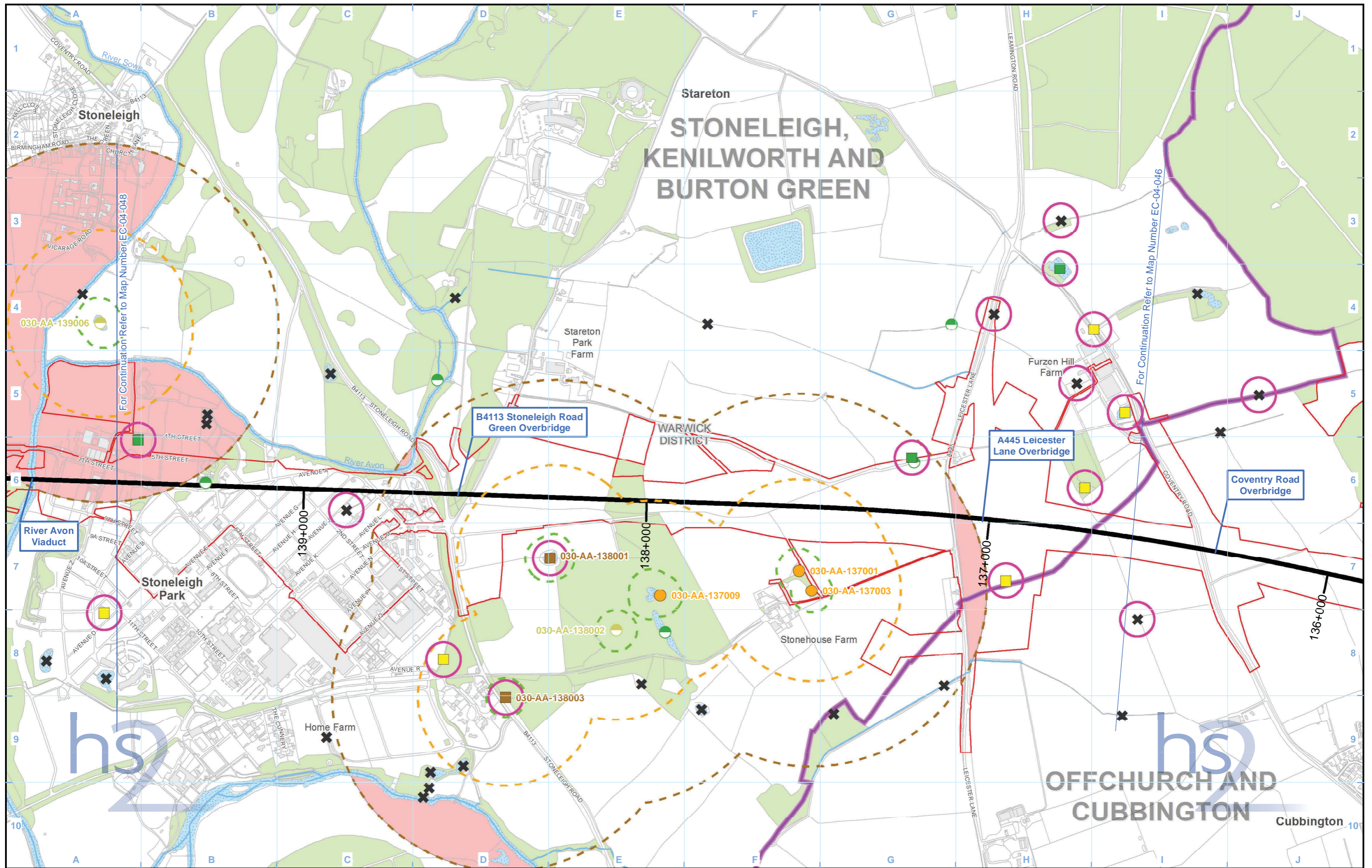
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Doc Number: C253-ATK-EV-MAP-030-002076-AP04-P01 **Date: 14/09/15**



Legend	
	Route in tunnel
	Route on surface
	Depot, station, headhouse or portal building
	Land potentially required during construction
	Community forum boundary
	County boundary
	District/Borough boundary
	Watercourse
	Water body
	Woodland (not verified by survey)
	Area contains new survey data
	eDNA survey complete, Great Crested Newts present
	eDNA survey complete, Great Crested Newts assumed absent
	eDNA survey complete, result inconclusive
	Great Crested Newts present (6 visits) - medium population (11 - 99 adults)
	Great Crested Newts present (less than 6 visits) - small population (1 - 10 adults)
	Survey complete, Great Crested Newts assumed absent
	Scoped out - no survey required
	50m radius from all water bodies where presence of Great Crested Newts is confirmed
	250m radius from all water bodies where presence of Great Crested Newts is confirmed
	500m radius from all water bodies where presence of Great Crested Newts is confirmed
	Areas isolated by significant barriers to amphibian movement

Map Number	EC-04-047
Map Name	Amphibians SES3 and AP4 ES
Community Forum Area CFA18: Stoneleigh, Kenilworth and Burton Green	

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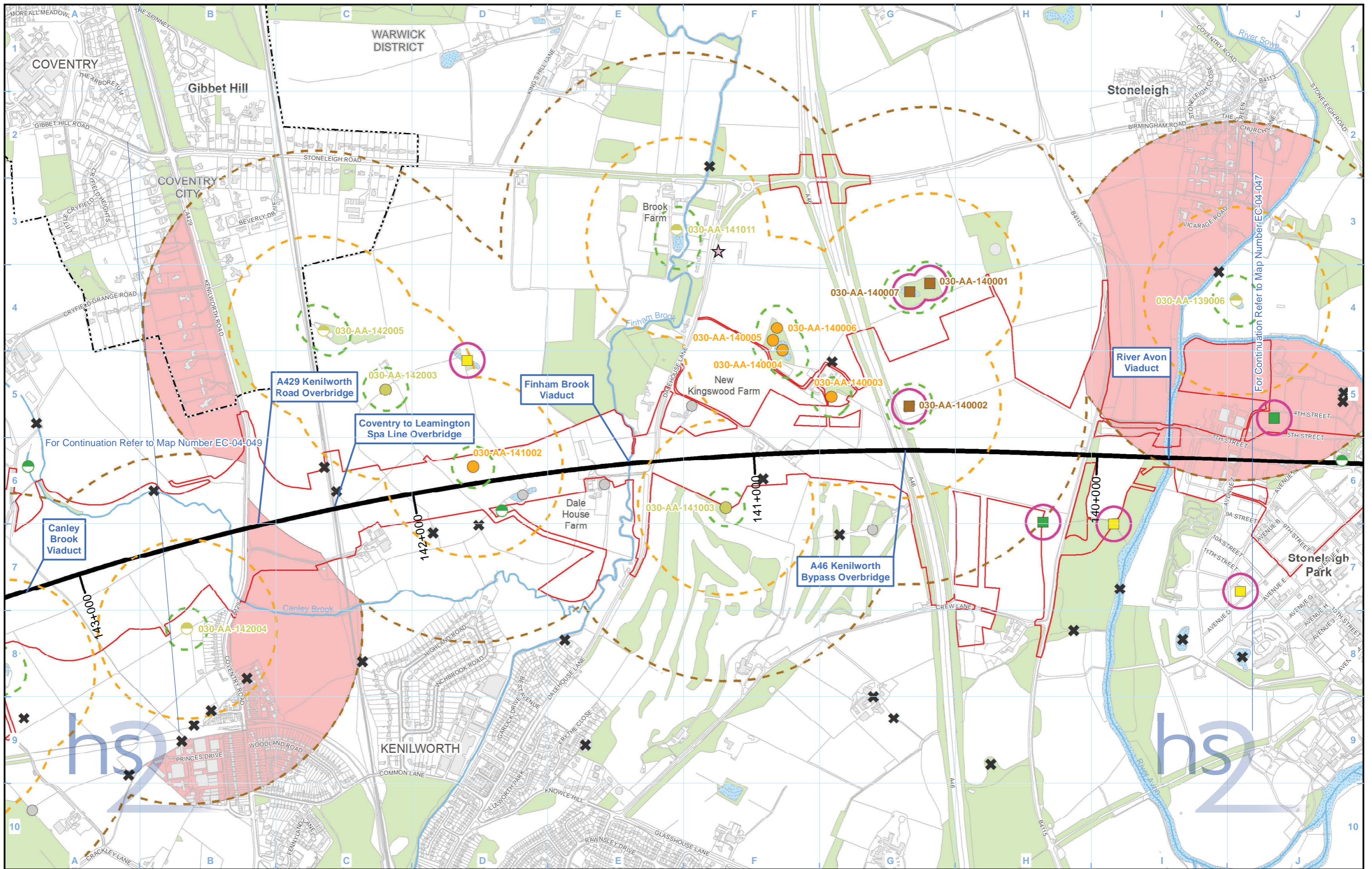
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Doc Number: C253-ATK-EV-MAP-030-002088-AP04-P01

Scale at A3: 1:10,000

Metres

Date: 14/09/15



Legend

<ul style="list-style-type: none"> Route in tunnel Route on surface Depot, station, headhouse or portal building Land potentially required during construction Community forum boundary County boundary District/Borough boundary 	<ul style="list-style-type: none"> Watercourse Water body Woodland (not verified by survey) Area contains new survey data eDNA survey complete, Great Crested Newts present 	<ul style="list-style-type: none"> eDNA survey complete, Great Crested Newts assumed absent eDNA survey complete, result inconclusive Great Crested Newts present (6 visits) - medium population (11 - 99 adults) Great Crested Newts present (6 visits) - small population (1 - 10 adults) Great Crested Newts present (less than 6 visits) - small population (1 - 10 adults) Survey complete, Great Crested Newts assumed absent Survey incomplete, no Great Crested Newts found Scoped in - no access permission Scoped out - no survey required 	<ul style="list-style-type: none"> 50m radius from all water bodies where presence of Great Crested Newts is confirmed 250m radius from all water bodies where presence of Great Crested Newts is confirmed 500m radius from all water bodies where presence of Great Crested Newts is confirmed Areas isolated by significant barriers to amphibian movement
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Map Number: EC-04-048

Map Name: Amphibians SES3 and AP4 ES

Community Forum Area CFA18: Stoneleigh, Kenilworth and Burton Green

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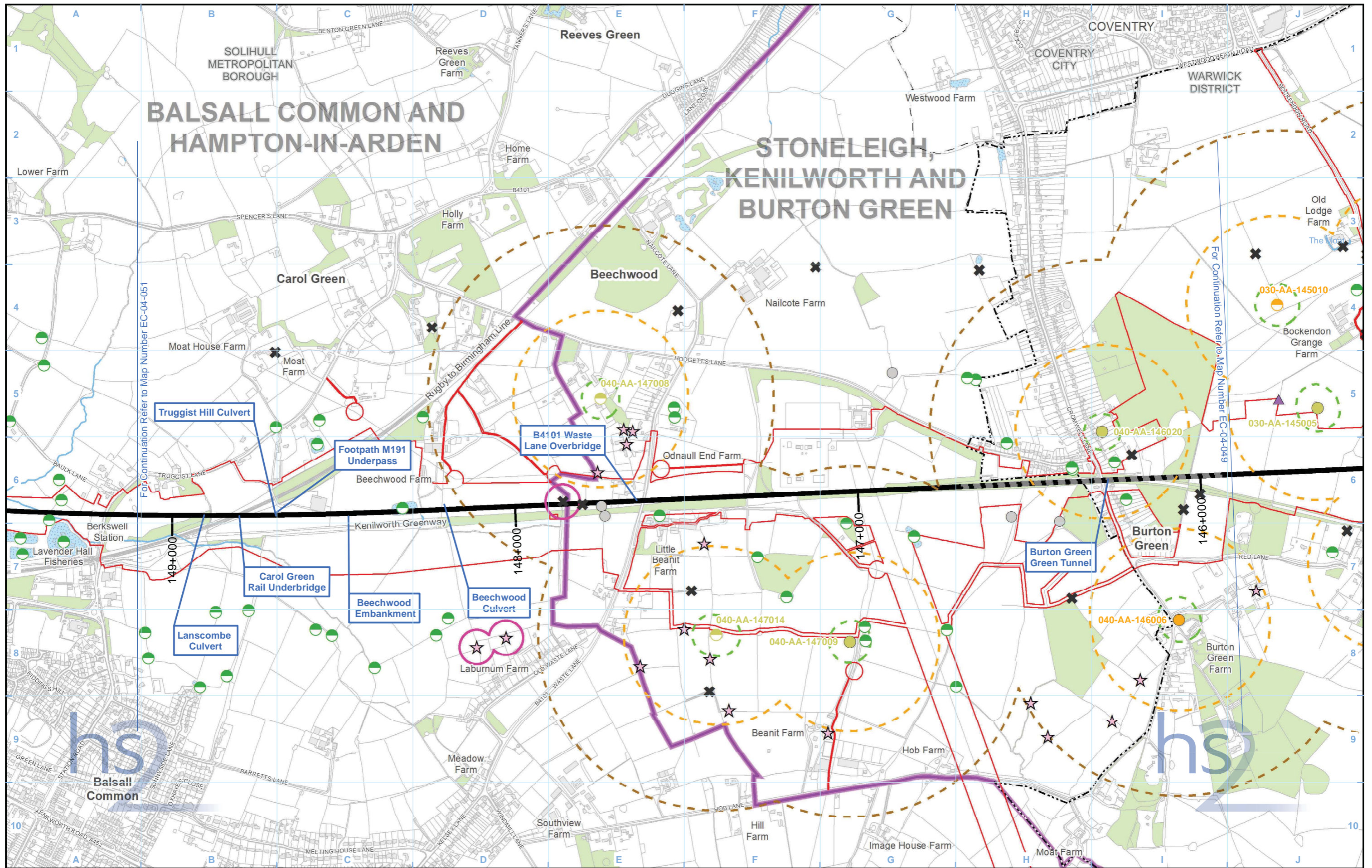
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Doc Number: C253-ATK-EV-MAP-030-002089-AP04-P01

Date: 14/09/15



Legend

Map Number	EC-04-050a
Map Name	Amphibians SES3 and AP4 ES
Community Forum Area CFA18: Stoneleigh, Kenilworth and Burton Green	

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Doc Number: C253-ATK-EV-MAP-030-002090-AP04-P01

Date: 14/09/15

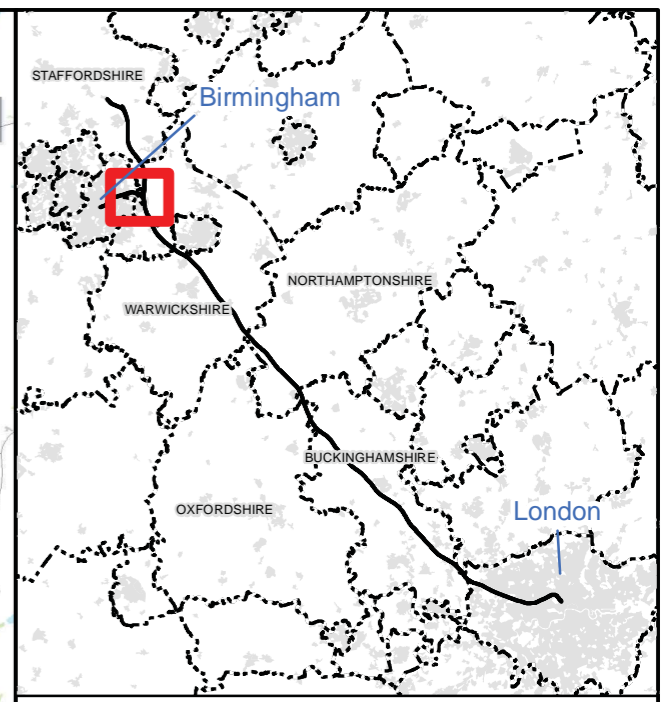
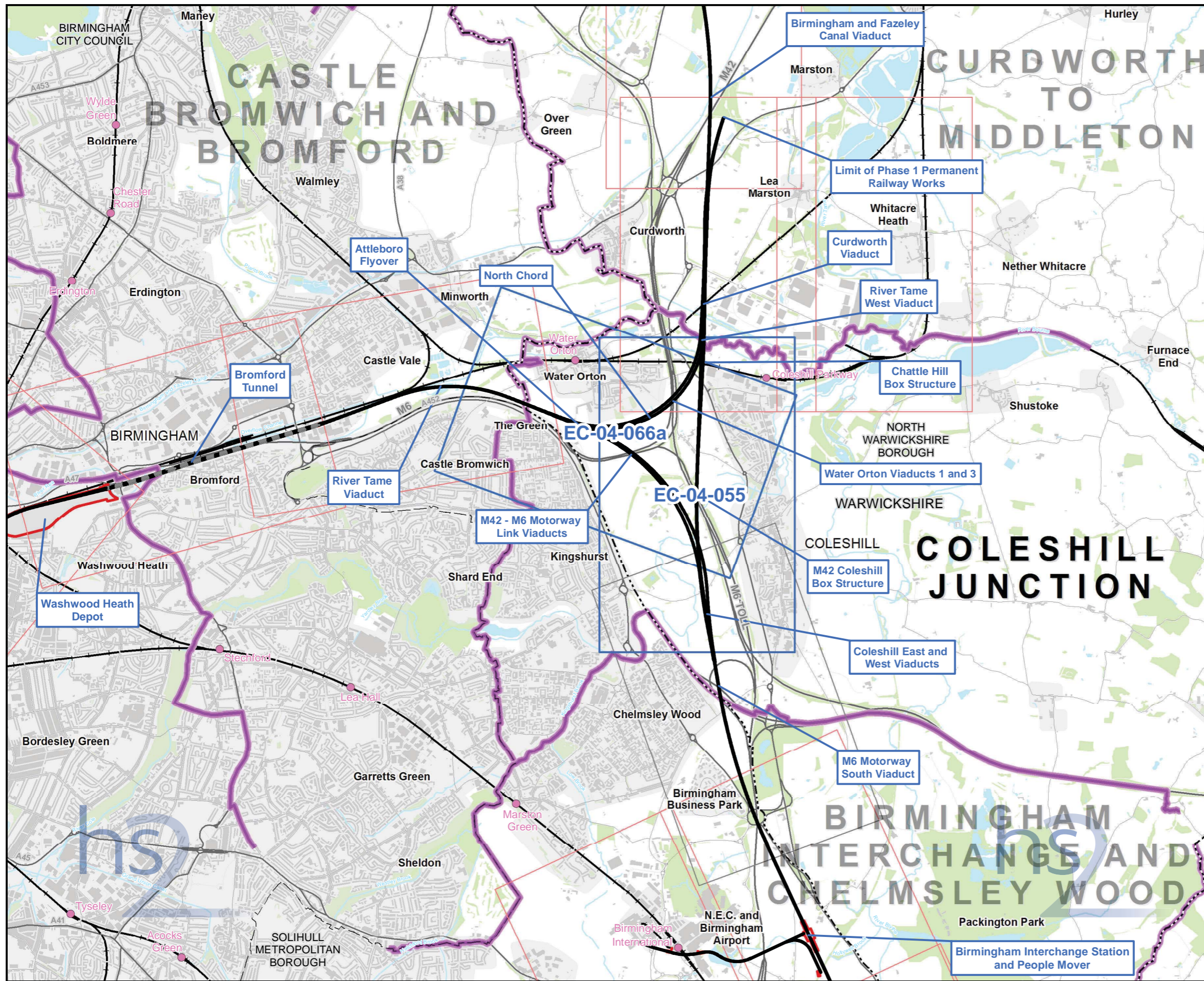
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HIGH SPEED RAIL (LONDON - WEST MIDLANDS)

Supplementary Environmental Statement 3 and
Additional Provision 4 Environmental Statement

Volume 5 | CFA19 Coleshill Junction
EC-04 – Amphibians

October 2015



Map Series Information:

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- Main Map Legend**
- Route in tunnel
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 - Existing railway station
 - County boundary
 - District/Borough boundary
 - Map sheets included in this community forum with amendment
 - Map sheets included in this community forum with no amendment
 - Map sheets not included in this community forum

Map Number	EC-04-INDEX-CFA19
Map Name	Index Map of: Amphibians SES3 and AP4 ES
Community Forum Area CFA19: Coleshill Junction	

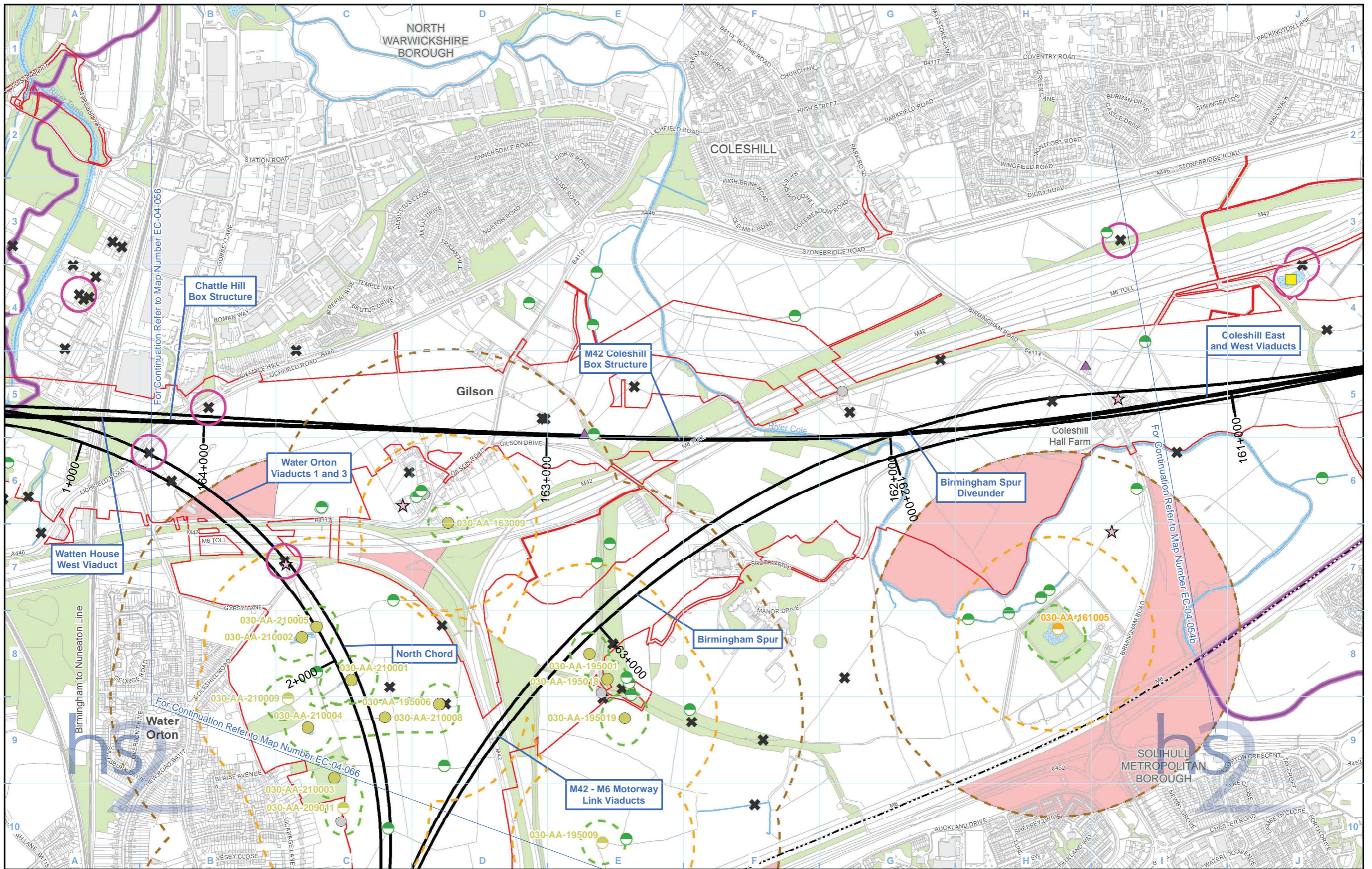
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Doc Number: C253-ATK-EV-MAP-030-002077-AP04-P01 **Date:** 14/09/15



Legend

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Land potentially required during construction
- Community forum boundary
- County boundary
- District/Borough boundary

- Watercourse
- Water body
- Woodland (not verified by survey)
- Area contains new survey data
- eDNA survey complete, result inconclusive

- Great Crested Newts present (less than 6 visits) - medium population (11 - 99 adults)
- Great Crested Newts present (6 visits) - small population (1 - 10 adults)
- Great Crested Newts present (less than 6 visits) - small population (1 - 10 adults)
- Survey complete, Great Crested Newts assumed absent

- Survey incomplete, no Great Crested Newts found
- Scoped in - Habitat Suitability Index (HSI)/walkover
- Scoped in - no access permission
- Scoped out - no survey required

- 50m radius from all water bodies where presence of Great Crested Newts is confirmed
- 250m radius from all water bodies where presence of Great Crested Newts is confirmed
- 500m radius from all water bodies where presence of Great Crested Newts is confirmed
- Areas isolated by significant barriers to amphibian movement

Map Number
EC-04-055

Map Name
**Amphibians
SES3 and AP4 ES**

Community Forum Area CFA19:
Coleshill Junction

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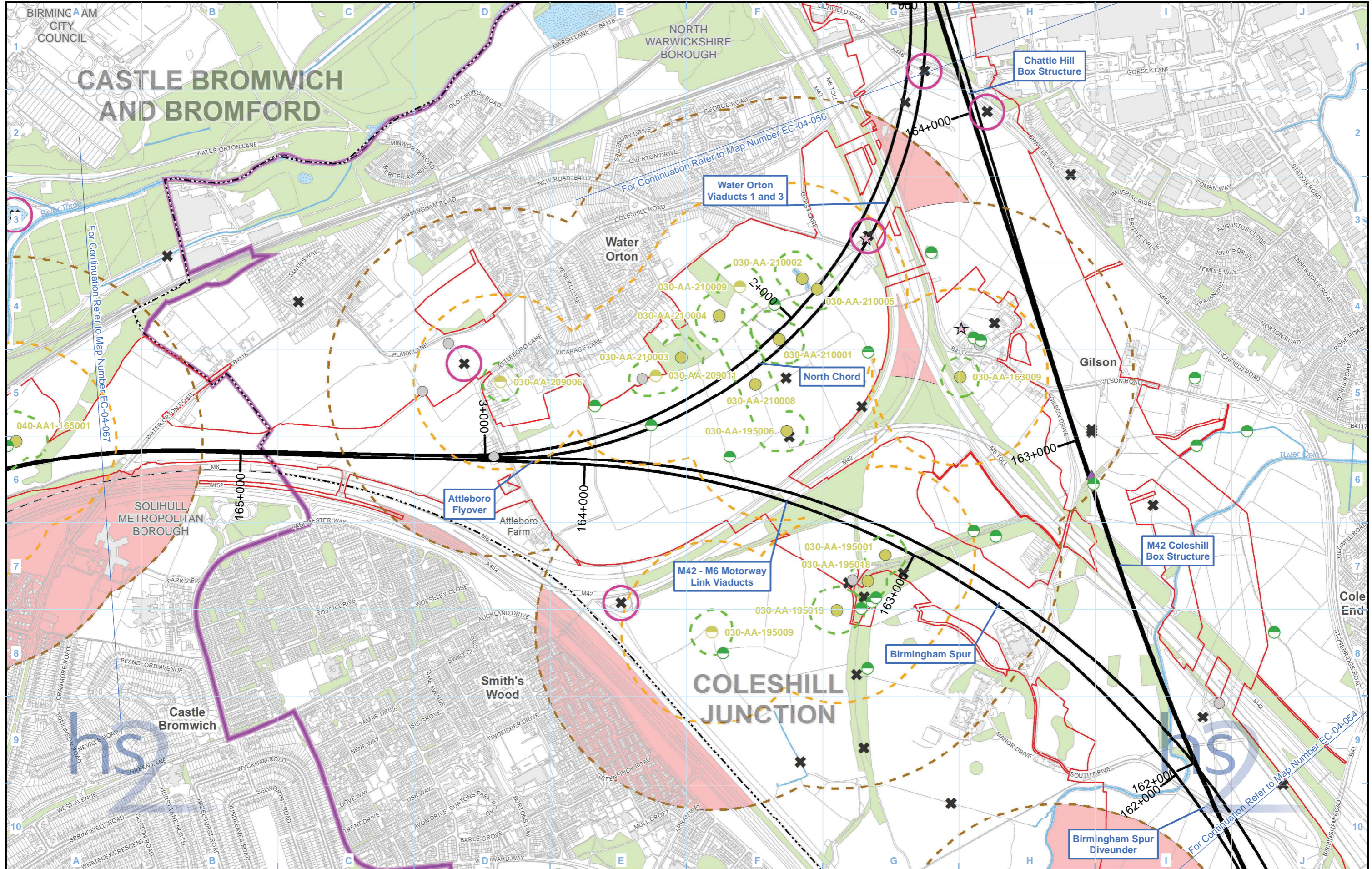
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Scale at A3: 1:10,000

Doc Number: C253-ATK-EV-MAP-030-002091-AP04-P01

Date: 15/09/15



Legend	
	Route in tunnel
	Route on surface
	Depot, station, headhouse or portal building
	Land potentially required during construction
	Community forum boundary
	County boundary
	District/Borough boundary
	Watercourse
	Water body
	Woodland (not verified by survey)
	Area contains new survey data
	Great Crested Newts present (6 visits) - small population (1 - 10 adults)
	Great Crested Newts present (less than 6 visits) - small population (1 - 10 adults)
	Survey complete, Great Crested Newts assumed absent
	Survey incomplete, no Great Crested Newts found
	Scoped in - Habitat Suitability Index (HSI)/walkover
	Scoped in - no access permission
	Scoped out - no survey required
	50m radius from all water bodies where presence of Great Crested Newts is confirmed
	250m radius from all water bodies where presence of Great Crested Newts is confirmed
	500m radius from all water bodies where presence of Great Crested Newts is confirmed
	Areas isolated by significant barriers to amphibian movement

Map Number	EC-04-066a
Map Name	Amphibians SES3 and AP4 ES
Community Forum Area CFA19: Coleshill Junction	

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Metres

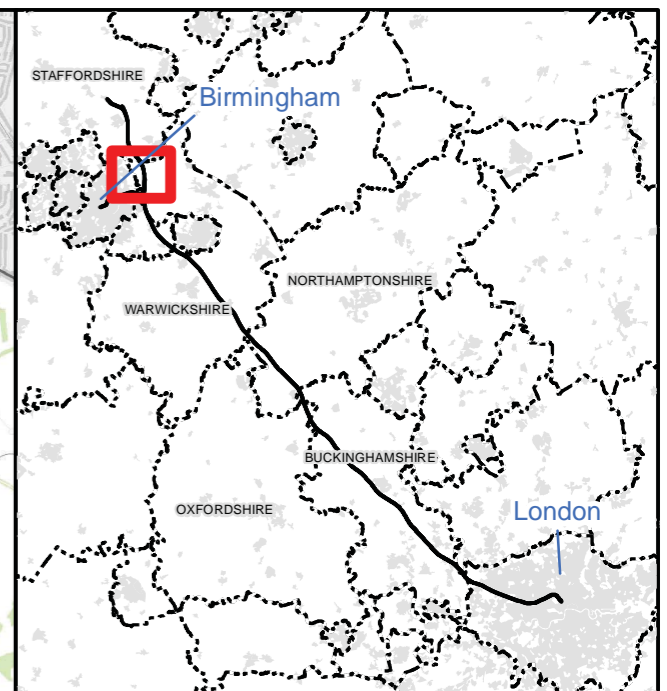
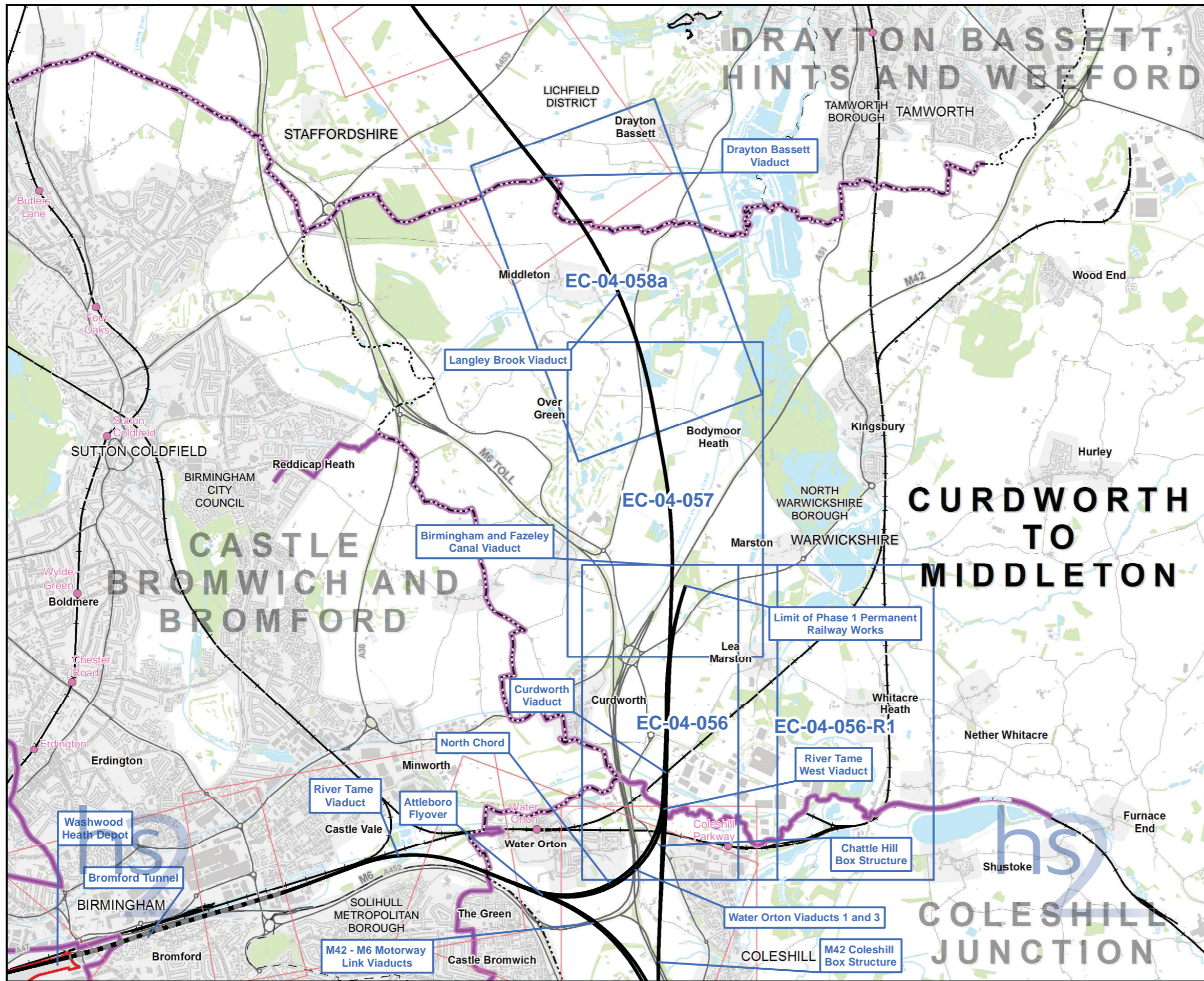
Date: 15/09/15

HIGH SPEED RAIL (LONDON - WEST MIDLANDS)

Supplementary Environmental Statement 3 and
Additional Provision 4 Environmental Statement

Volume 5 | CFA20 Curdworth to Middleton
EC-04 – Amphibians

October 2015



Map Series Information:

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Main Map Legend	
	Route in tunnel
	Route on surface
	Depot, station, headhouse or portal building
	Community forum boundary
	Existing railway station
	County boundary
	District/Borough boundary
	Map sheets included in this community forum with amendment
	Map sheets included in this community forum with no amendment
	Map sheets not included in this community forum

Map Number	EC-04-INDEX-CFA20
Map Name	Index Map of: Amphibians SES3 and AP4 ES Community Forum Area CFA20: Curdworth to Middleton

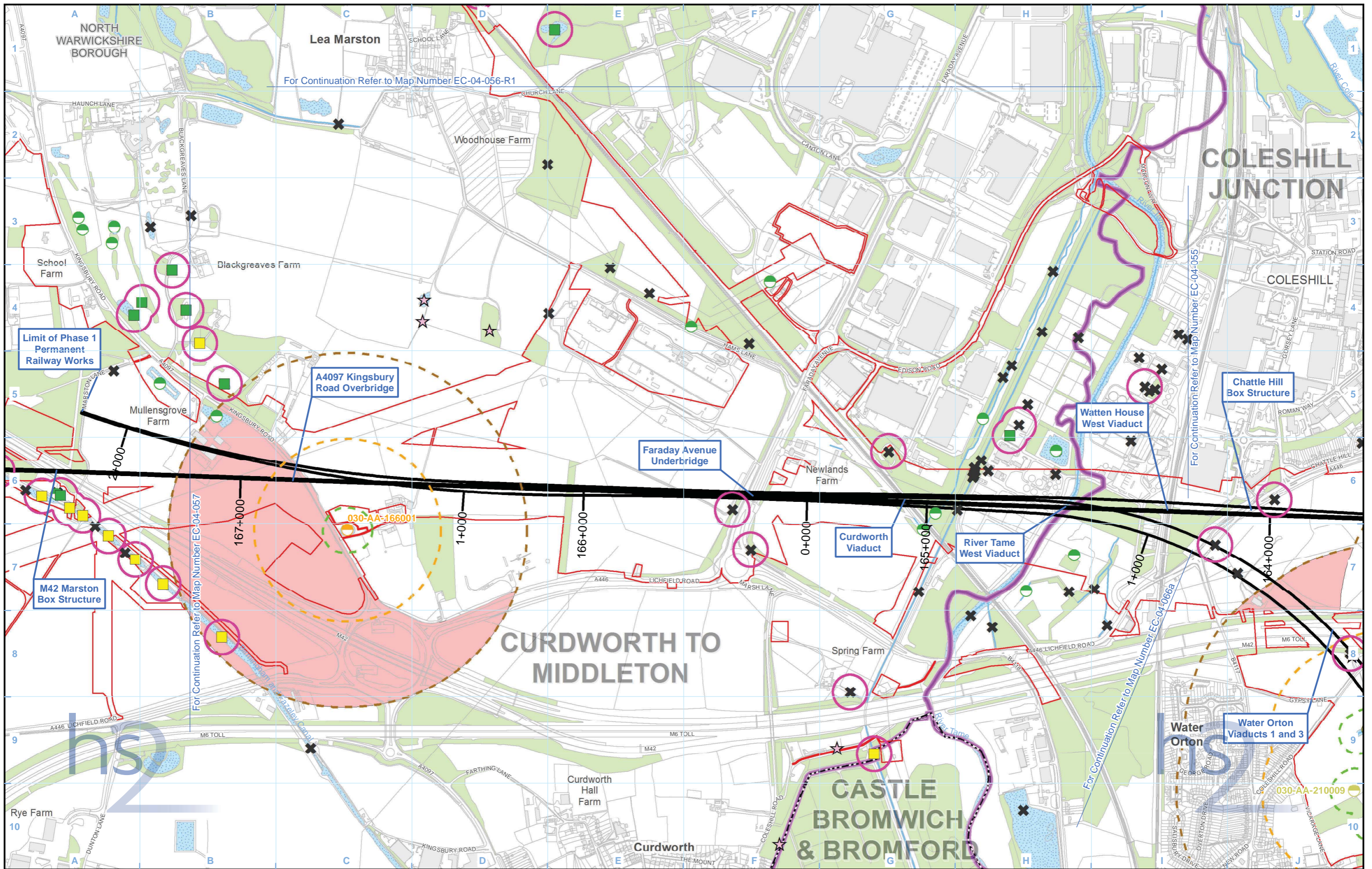
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Doc Number: C253-ATK-EV-MAP-030-002078-AP04-P01 **Date:** 14/09/15



- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Land potentially required during construction
 - Community forum boundary
 - County boundary
 - District/Borough boundary
 - Watercourse
 - Water body
 - Woodland (not verified by survey)
 - Area contains new survey data

- eDNA survey complete, Great Crested Newts assumed absent
- eDNA survey complete, result inconclusive
- Great Crested Newts present (less than 6 visits) - medium population (11 - 99 adults)
- Great Crested Newts present (6 visits) - small population (1 - 10 adults)
- Great Crested Newts present (less than 6 visits) - small population (1 - 10 adults)
- Survey complete, Great Crested Newts assumed absent

- Scoped in - no access permission
- Scoped out - no survey required
- 50m radius from all water bodies where presence of Great Crested Newts is confirmed

- 250m radius from all water bodies where presence of Great Crested Newts is confirmed
- 500m radius from all water bodies where presence of Great Crested Newts is confirmed
- Areas isolated by significant barriers to amphibian movement

Map Number
EC-04-056

Map Name
**Amphibians
SES3 and AP4 ES**

Community Forum Area CFA20:
Curdworth to Middleton

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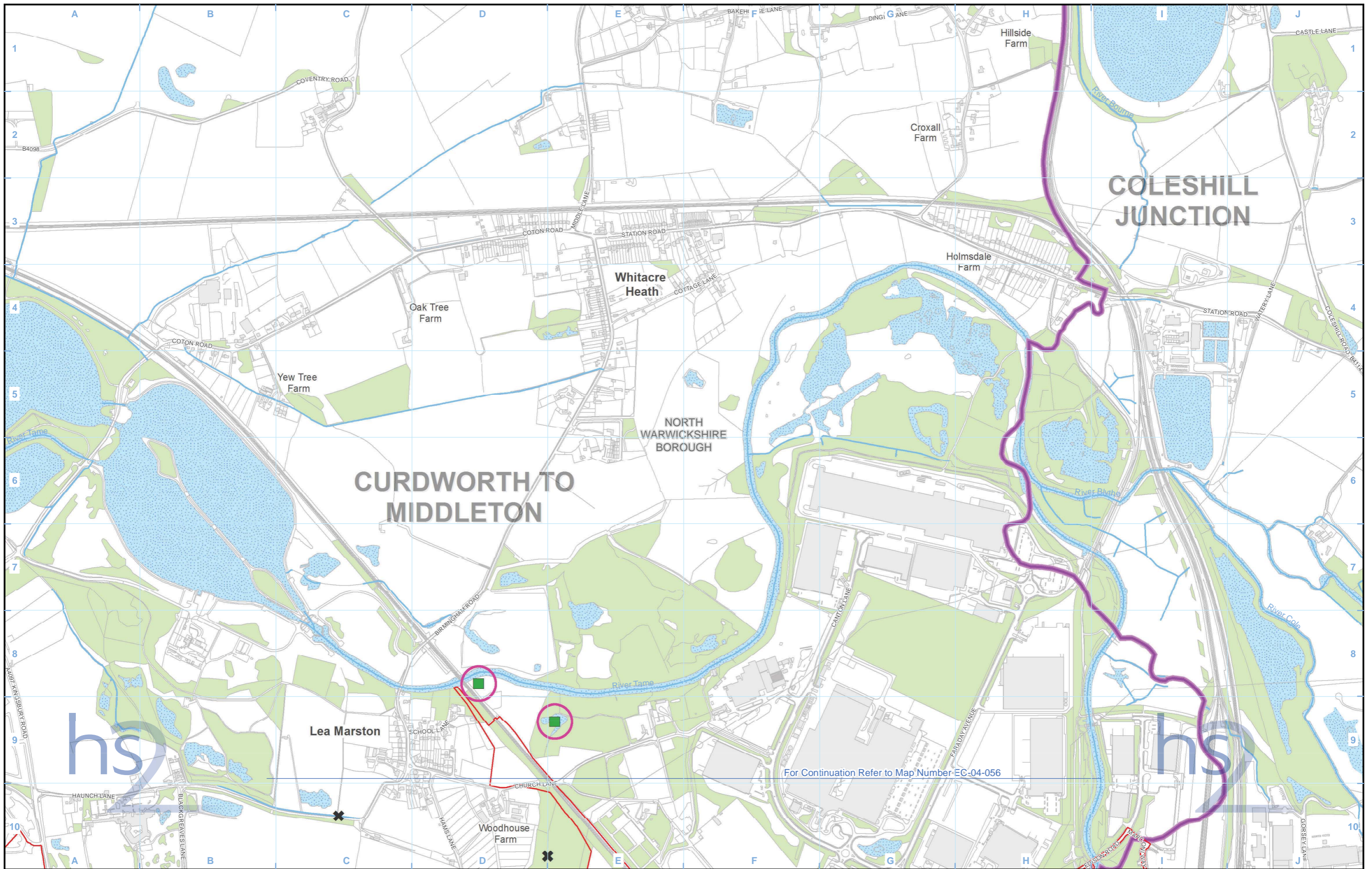
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Scale at A3: 1:10,000

Doc Number: C253-ATK-EV-MAP-030-002092-AP04-P01

Date: 14/09/15



Legend			
	Route in tunnel		eDNA survey complete, Great Crested Newts assumed absent
	Route on surface		Scoped out - no survey required
	Depot, station, headhouse or portal building		Area contains new survey data
	Land potentially required during construction		Watercourse
	Community forum boundary		Water body
	County boundary		Woodland (not verified by survey)
	District/Borough boundary		

For Continuation Refer to Map Number EC-04-056

Map Number	EC-04-056-R1
Map Name	Amphibians SES3 and AP4 ES
Community Forum Area CFA20: Curdworth to Middleton	

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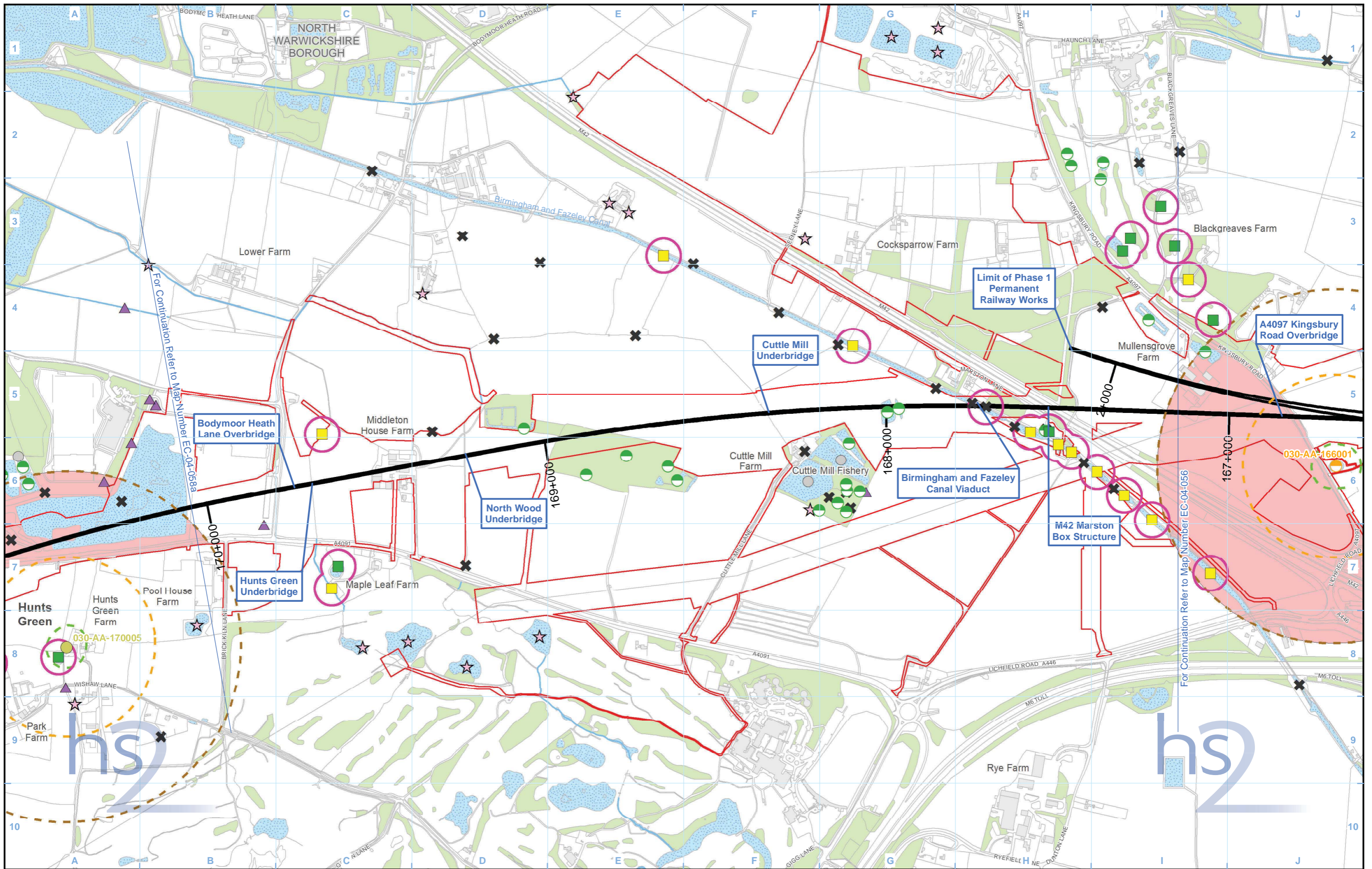
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Doc Number: C253-ATK-EV-MAP-030-002093-AP04-P01

Date: 14/09/15



Legend

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Land potentially required during construction
- Community forum boundary
- County boundary
- District/Borough boundary

- Watercourse
- Water body
- Woodland (not verified by survey)
- Area contains new survey data
- eDNA survey complete, Great Crested Newts assumed absent

- eDNA survey complete, result inconclusive
- Great Crested Newts present (less than 6 visits) - medium population (11 - 99 adults)
- Great Crested Newts present (6 visits) - small population (1 - 10 adults)
- Survey complete, Great Crested Newts assumed absent

- Survey incomplete, no Great Crested Newts found
- Scoped in - Habitat Suitability Index (HSI)/walkover
- Scoped in - no access permission
- Scoped out - no survey required

- 50m radius from all water bodies where presence of Great Crested Newts is confirmed
- 250m radius from all water bodies where presence of Great Crested Newts is confirmed
- 500m radius from all water bodies where presence of Great Crested Newts is confirmed
- Areas isolated by significant barriers to amphibian movement

Map Number
EC-04-057

Map Name
**Amphibians
SES3 and AP4 ES**

Community Forum Area CFA20:
Curdworth to Middleton

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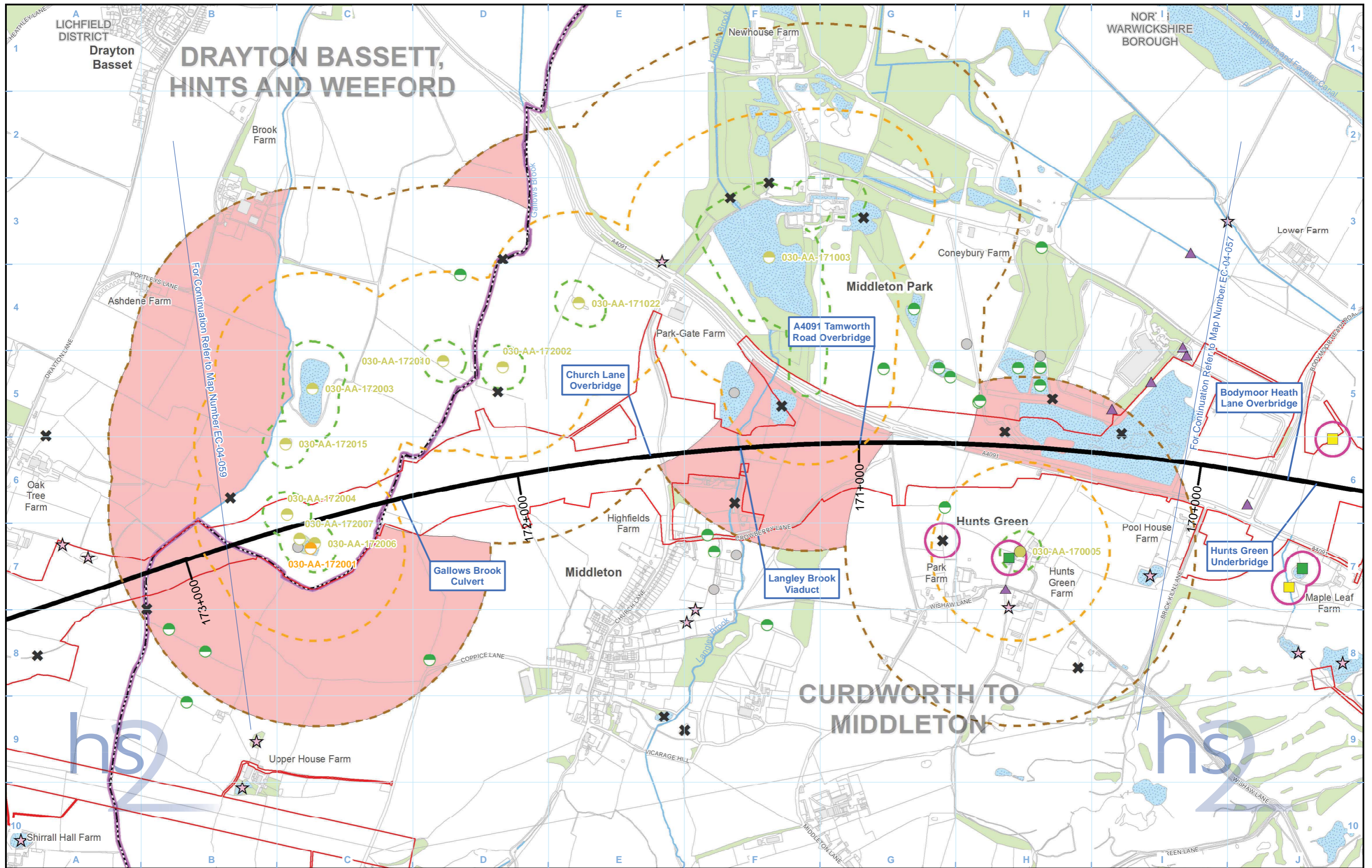
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Doc Number: C253-ATK-EV-MAP-030-002094-AP04-P01

Date: 14/09/15



Legend

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Land potentially required during construction
- Community forum boundary
- County boundary
- District/Borough boundary

- Watercourse
- Water body
- Woodland (not verified by survey)
- Area contains new survey data
- eDNA survey complete, Great Crested Newts assumed absent

- eDNA survey complete, result inconclusive
- Great Crested Newts present (less than 6 visits) - medium population (11 - 99 adults)
- Great Crested Newts present (6 visits) - small population (1 - 10 adults)
- Great Crested Newts present (less than 6 visits) - small population (1 - 10 adults)

- Survey complete, Great Crested Newts assumed absent
- Survey incomplete, no Great Crested Newts found
- Scoped in - Habitat Suitability Index (HSI)/walkover
- Scoped in - no access permission
- Scoped out - no survey required

- 50m radius from all water bodies where presence of Great Crested Newts is confirmed
- 250m radius from all water bodies where presence of Great Crested Newts is confirmed
- 500m radius from all water bodies where presence of Great Crested Newts is confirmed
- Areas isolated by significant barriers to amphibian movement

Map Number
EC-04-058a

Map Name
**Amphibians
SES3 and AP4 ES**

Community Forum Area CFA20:
Curdworth to Middleton

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Doc Number: C253-ATK-EV-MAP-030-002095-AP04-P01

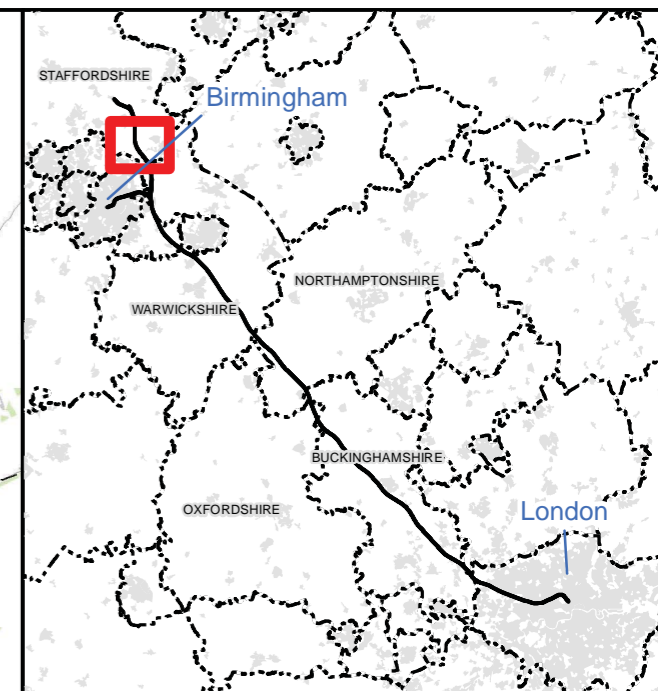
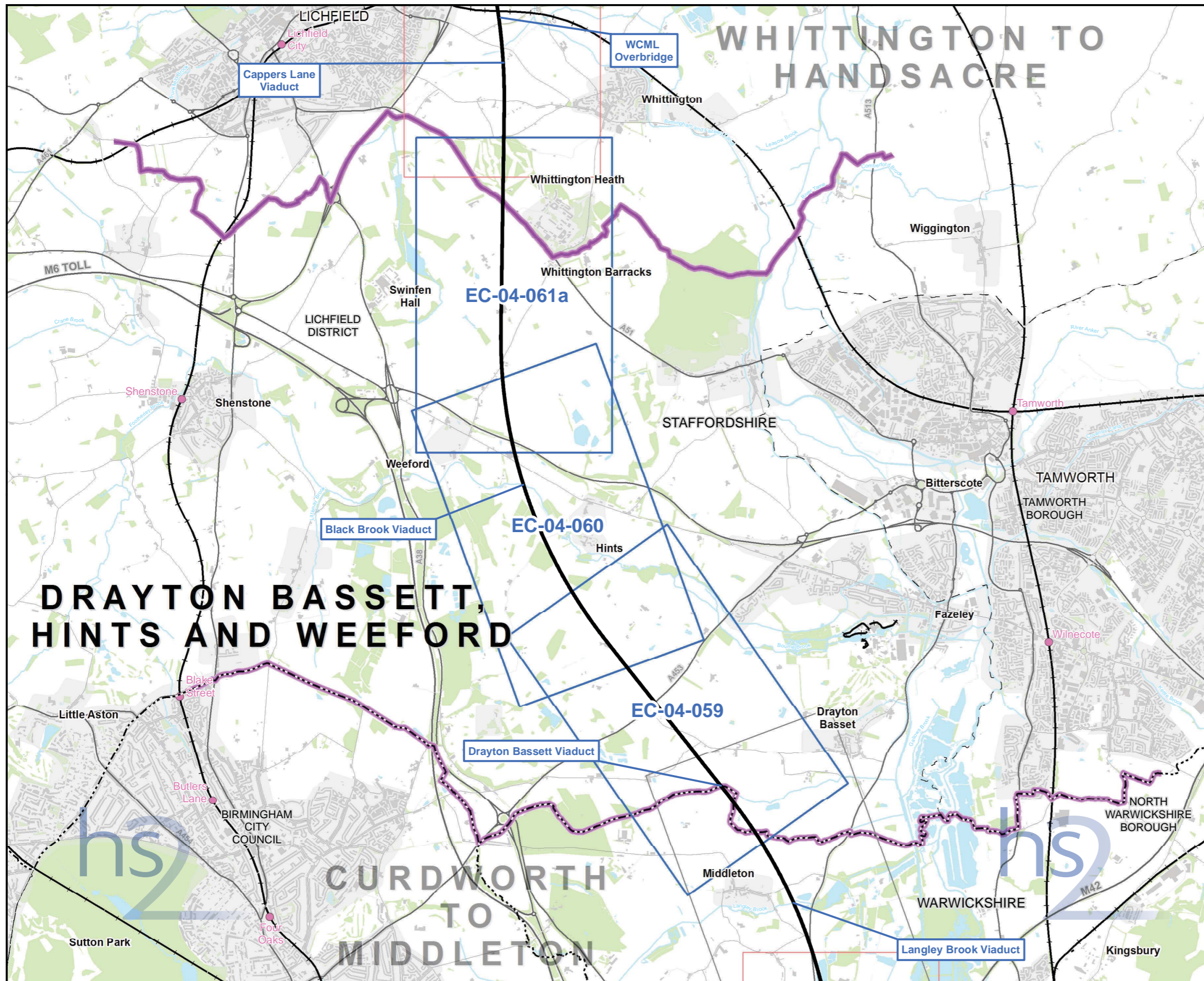
Date: 14/09/15

HIGH SPEED RAIL (LONDON - WEST MIDLANDS)

Supplementary Environmental Statement 3 and
Additional Provision 4 Environmental Statement

Volume 5 | CFA21 Drayton Bassett, Hints and Weeford
EC-04 – Amphibians

October 2015



Map Series Information:

This map series shows the results of amphibian surveys conducted to inform the Environmental Assessment. It principally details the results of great crested newt surveys conducted. In addition it shows the location of those 'exceptional' populations of common amphibians recorded.

Main Map Legend

Route in tunnel	Map sheets included in this community forum with amendment
Route on surface	Map sheets included in this community forum with no amendment
Depot, station, headhouse or portal building	Map sheets not included in this community forum
Community forum boundary	
Existing railway station	
County boundary	
District/Borough boundary	

Map Number	EC-04-INDEX-CFA21
Map Name	Index Map of: Amphibians SES3 and AP4 ES
Community Forum Area CFA21: Drayton Bassett, Hints and Weeford	

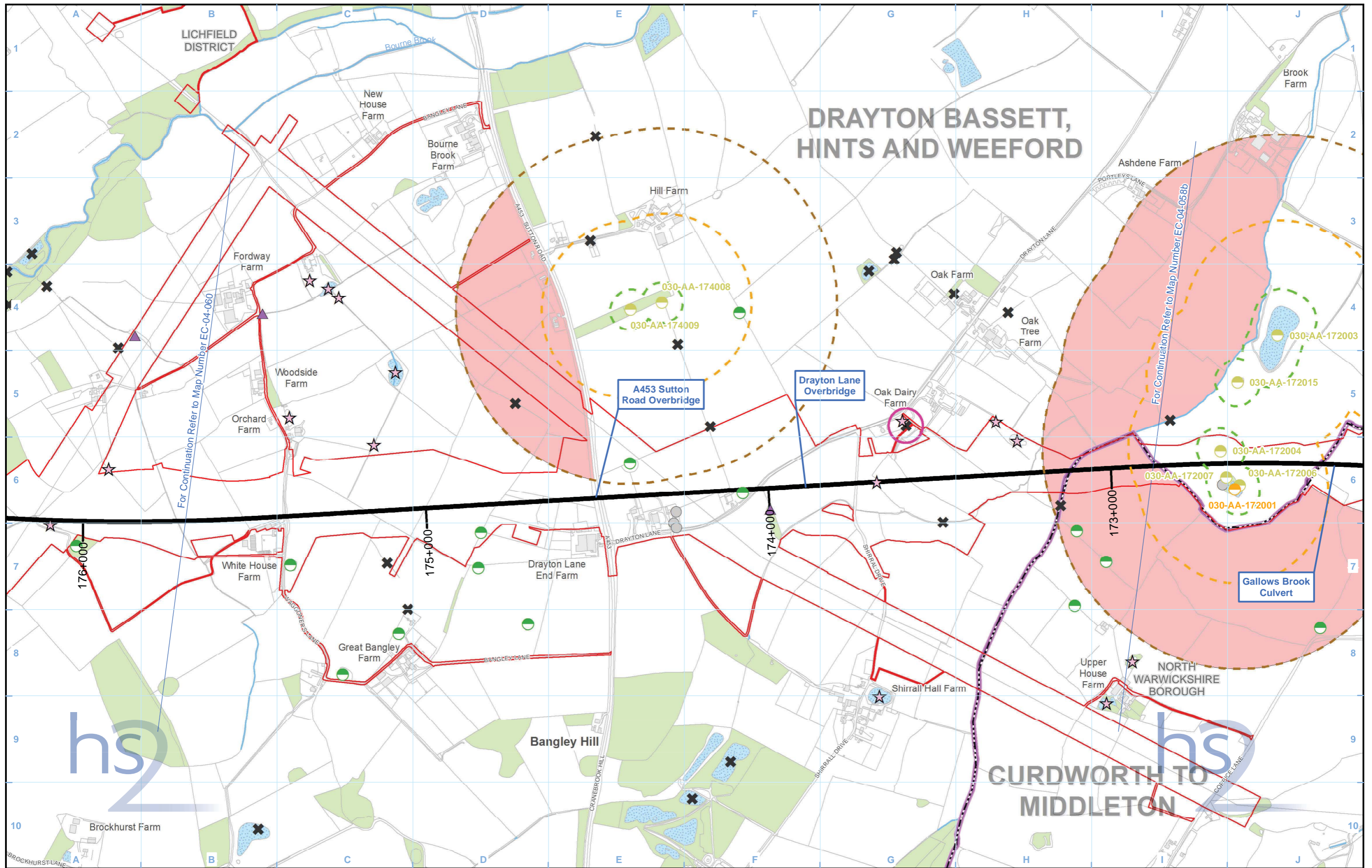
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Doc Number: C253-ATK-EV-MAP-030-002079-AP04-P01 **Date: 14/09/15**



DRAYTON BASSETT, HINTS AND WEEFORD

CURDWORTH TO MIDDLETON

Legend	
	Route in tunnel
	Route on surface
	Depot, station, headhouse or portal building
	Land potentially required during construction
	Community forum boundary
	County boundary
	District/Borough boundary
	Watercourse
	Water body
	Woodland (not verified by survey)
	Area contains new survey data
	Great Crested Newts present (less than 6 visits) - medium population (11 - 99 adults)
	Great Crested Newts present (less than 6 visits) - small population (1 - 10 adults)
	Survey complete, Great Crested Newts assumed absent
	Survey incomplete, no Great Crested Newts found
	Scoped in - Habitat Suitability Index (HSI)/walkover
	Scoped in - no access permission
	Scoped out - no survey required
	50m radius from all water bodies where presence of Great Crested Newts is confirmed
	250m radius from all water bodies where presence of Great Crested Newts is confirmed
	500m radius from all water bodies where presence of Great Crested Newts is confirmed
	Areas isolated by significant barriers to amphibian movement

Map Number	EC-04-059
Map Name	Amphibians SES3 and AP4 ES
Community Forum Area CFA21: Drayton Bassett, Hints and Weeford	

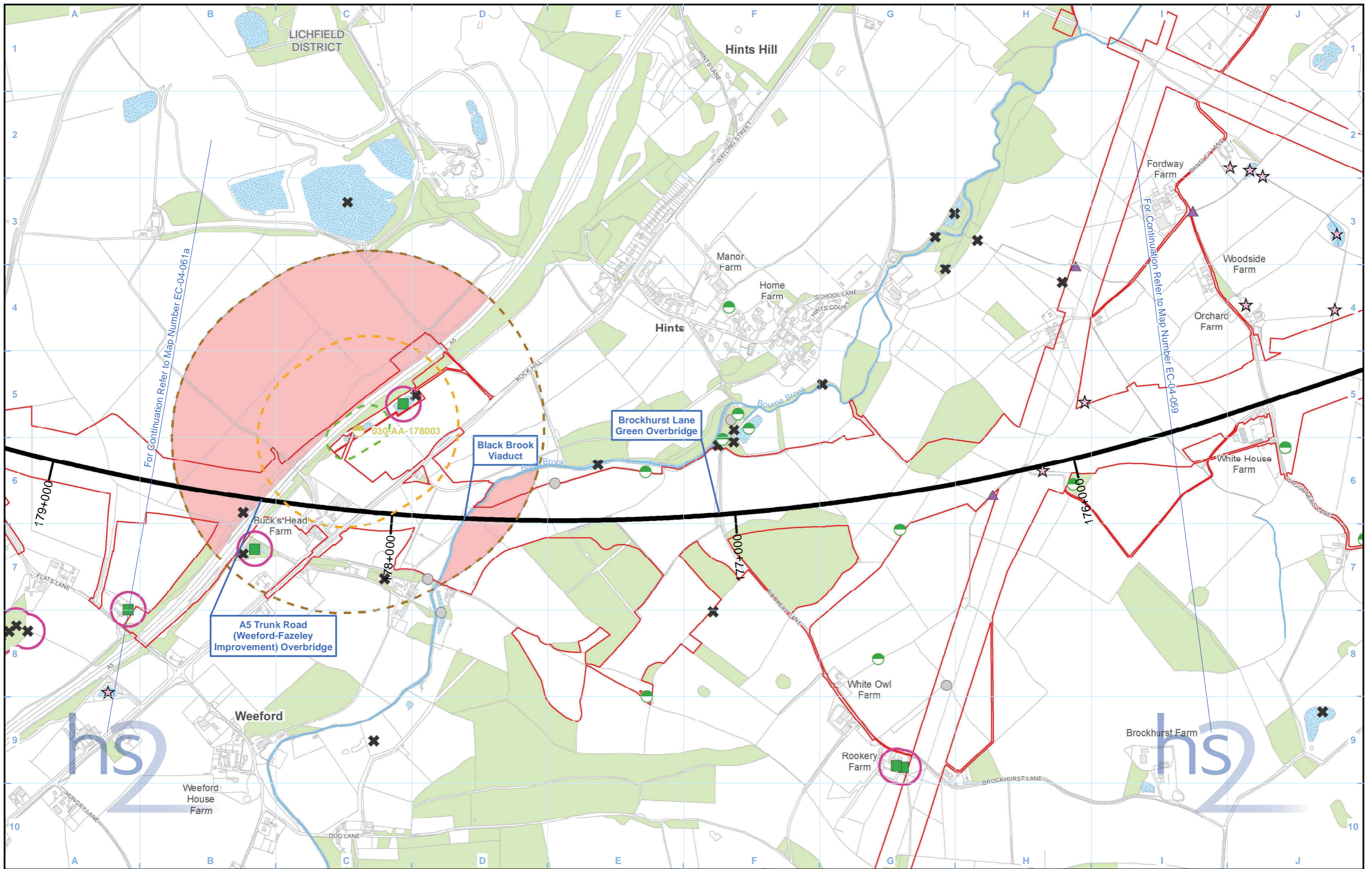
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Metres



Legend	
	Route in tunnel
	Route on surface
	Depot, station, headhouse or portal building
	Land potentially required during construction
	Community forum boundary
	County boundary
	District/Borough boundary
	Watercourse
	Water body
	Woodland (not verified by survey)
	Area contains new survey data
	eDNA survey complete, Great Crested Newts assumed absent
	Great Crested Newts present (less than 6 visits) - small population (1 - 10 adults)
	Survey complete, Great Crested Newts assumed absent
	Survey incomplete, no Great Crested Newts found
	Scoped in - Habitat Suitability Index (HSI)/walkover
	Scoped in - no access permission
	Scoped out - no survey required
	50m radius from all water bodies where presence of Great Crested Newts is confirmed
	250m radius from all water bodies where presence of Great Crested Newts is confirmed
	500m radius from all water bodies where presence of Great Crested Newts is confirmed
	Areas isolated by significant barriers to amphibian movement

Map Number	EC-04-060
Map Name	Amphibians SES3 and AP4 ES
Community Forum Area CFA21: Drayton Bassett, Hints and Weeford	

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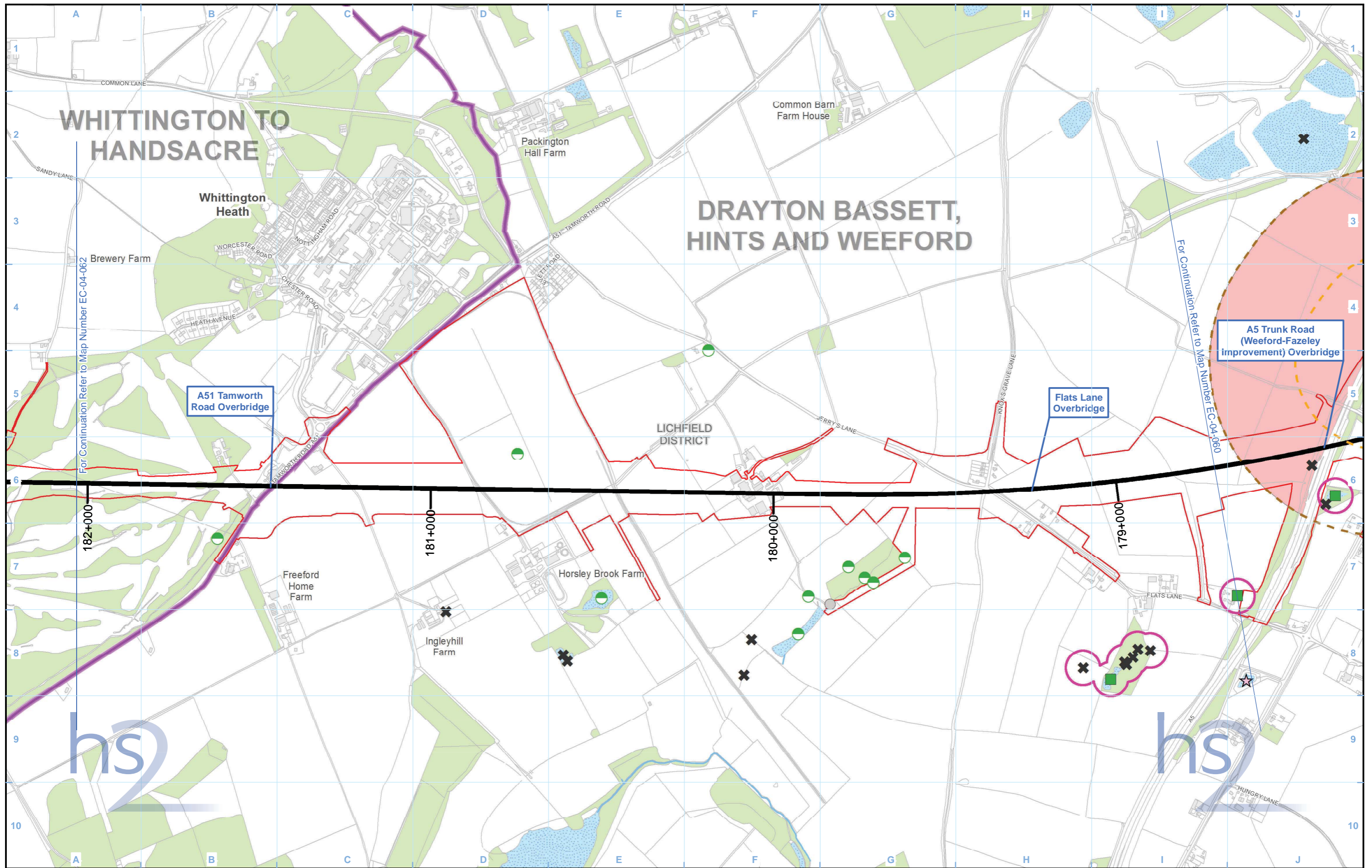
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Doc Number: C253-ATK-EV-MAP-030-002097-AP04-P01

Scale at A3: 1:10,000

Metres

Date: 24/09/15



Legend	
	Route in tunnel
	Route on surface
	Depot, station, headhouse or portal building
	Land potentially required during construction
	Community forum boundary
	County boundary
	District/Borough boundary
	Watercourse
	Water body
	Woodland (not verified by survey)
	Area contains new survey data
	eDNA survey complete, Great Crested Newts assumed absent
	Survey complete, Great Crested Newts assumed absent
	Survey incomplete, no Great Crested Newts found
	Scoped in - no access permission
	Scoped out - no survey required
	50m radius from all water bodies where presence of Great Crested Newts is confirmed
	250m radius from all water bodies where presence of Great Crested Newts is confirmed
	500m radius from all water bodies where presence of Great Crested Newts is confirmed
	Areas isolated by significant barriers to amphibian movement

Map Number	EC-04-061a
Map Name	Amphibians SES3 and AP4 ES
Community Forum Area CFA21: Drayton Bassett, Hints and Weeford	

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Doc Number: C253-ATK-EV-MAP-030-002098-AP04-P01 Date: 24/09/15

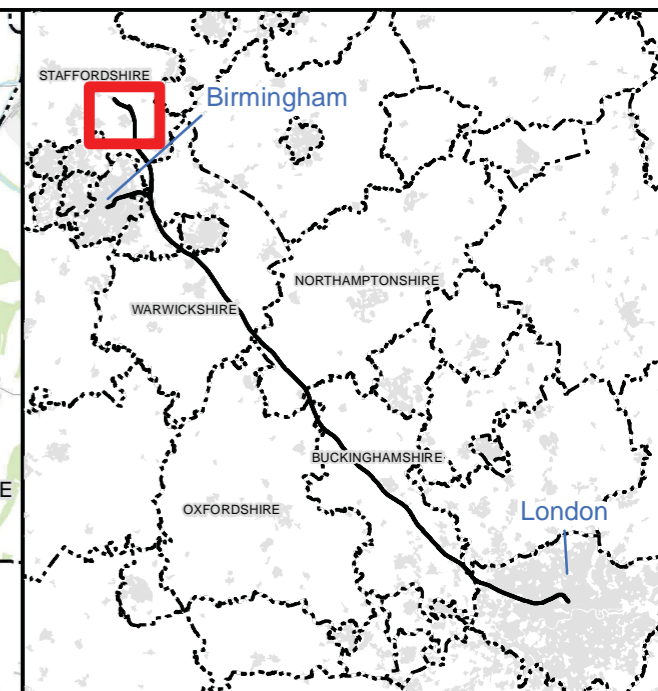
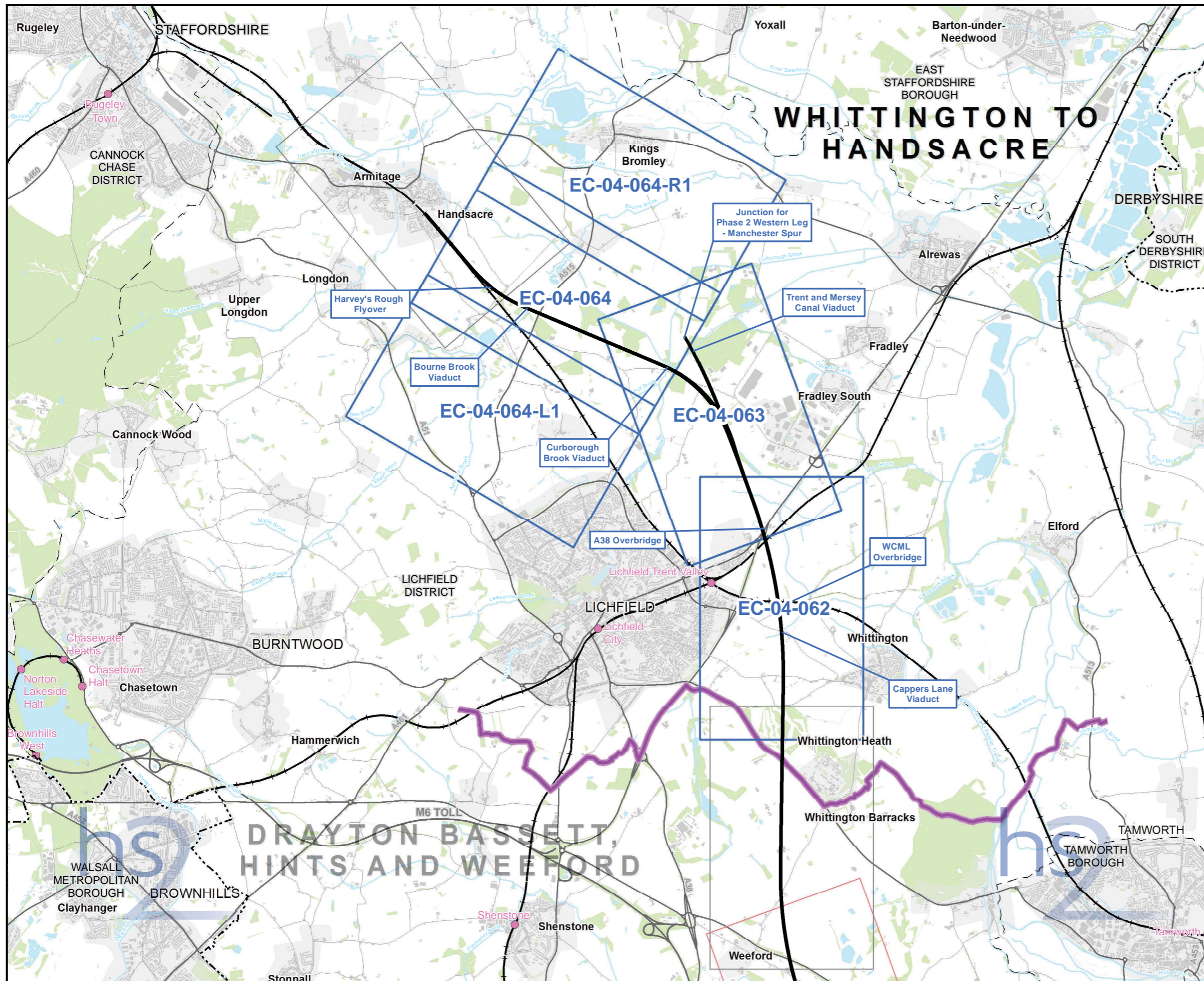
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HIGH SPEED RAIL (LONDON - WEST MIDLANDS)

Supplementary Environmental Statement 3 and
Additional Provision 4 Environmental Statement

Volume 5 | CFA22 Whittington to Handsacre
EC-04 – Amphibians

October 2015



Map Series Information:

This map series shows the results of amphibian surveys conducted to inform the Environmental Assessment. It principally details the results of great crested newt surveys conducted. In addition it shows the location of those 'exceptional' populations of common amphibians recorded.

- Main Map Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community forum boundary
 - Existing railway station
 - County boundary
 - District/Borough boundary
 - Map sheets included in this community forum with amendment
 - Map sheets included in this community forum with no amendment
 - Map sheets not included in this community forum

Map Number **EC-04-INDEX-CFA22**

Map Name **Index Map of:
Amphibians
SES3 and AP4 ES**

Community Forum Area CFA22:
Whittington to Handsacre

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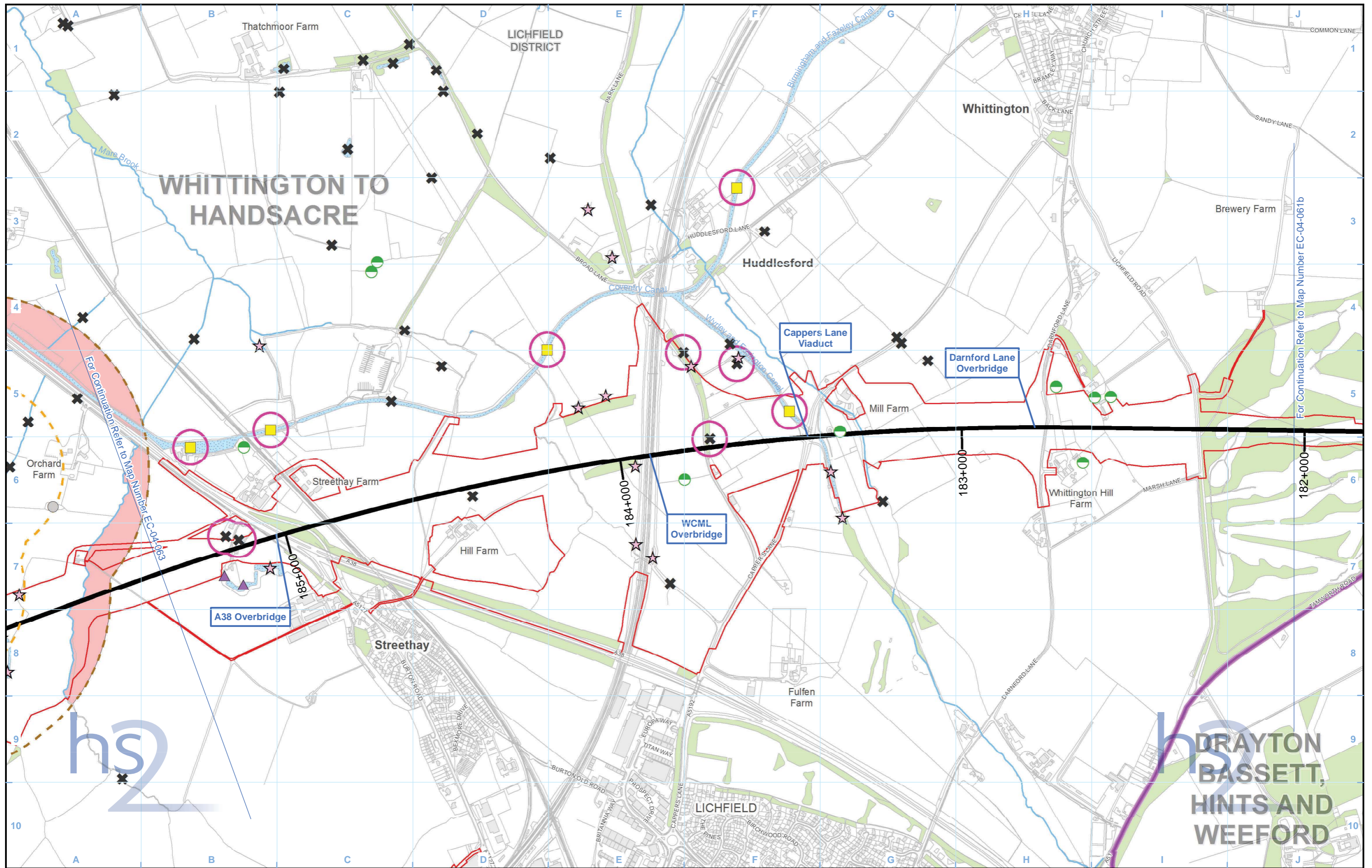
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Doc Number: C253-ATK-EV-MAP-030-002080-AP04-P01

Scale at A3: 1:60,000

Date: 14/09/15



Legend	
	Route in tunnel
	Route on surface
	Depot, station, headhouse or portal building
	Land potentially required during construction
	Community forum boundary
	County boundary
	District/Borough boundary
	Watercourse
	Water body
	Woodland (not verified by survey)
	Area contains new survey data
	eDNA survey complete, result inconclusive
	Survey complete, Great Crested Newts assumed absent
	Survey incomplete, no Great Crested Newts found
	Scoped in - Habitat Suitability Index (HSI)/walkover
	Scoped in - no access permission
	Scoped out - no survey required
	250m radius from all water bodies where presence of Great Crested Newts is confirmed
	500m radius from all water bodies where presence of Great Crested Newts is confirmed
	Areas isolated by significant barriers to amphibian movement

Map Number	EC-04-062
Map Name	Amphibians SES3 and AP4 ES
Community Forum Area CFA22: Whittington to Handsacre	

**DRAYTON
BASSETT,
HINTS AND
WEEFORD**

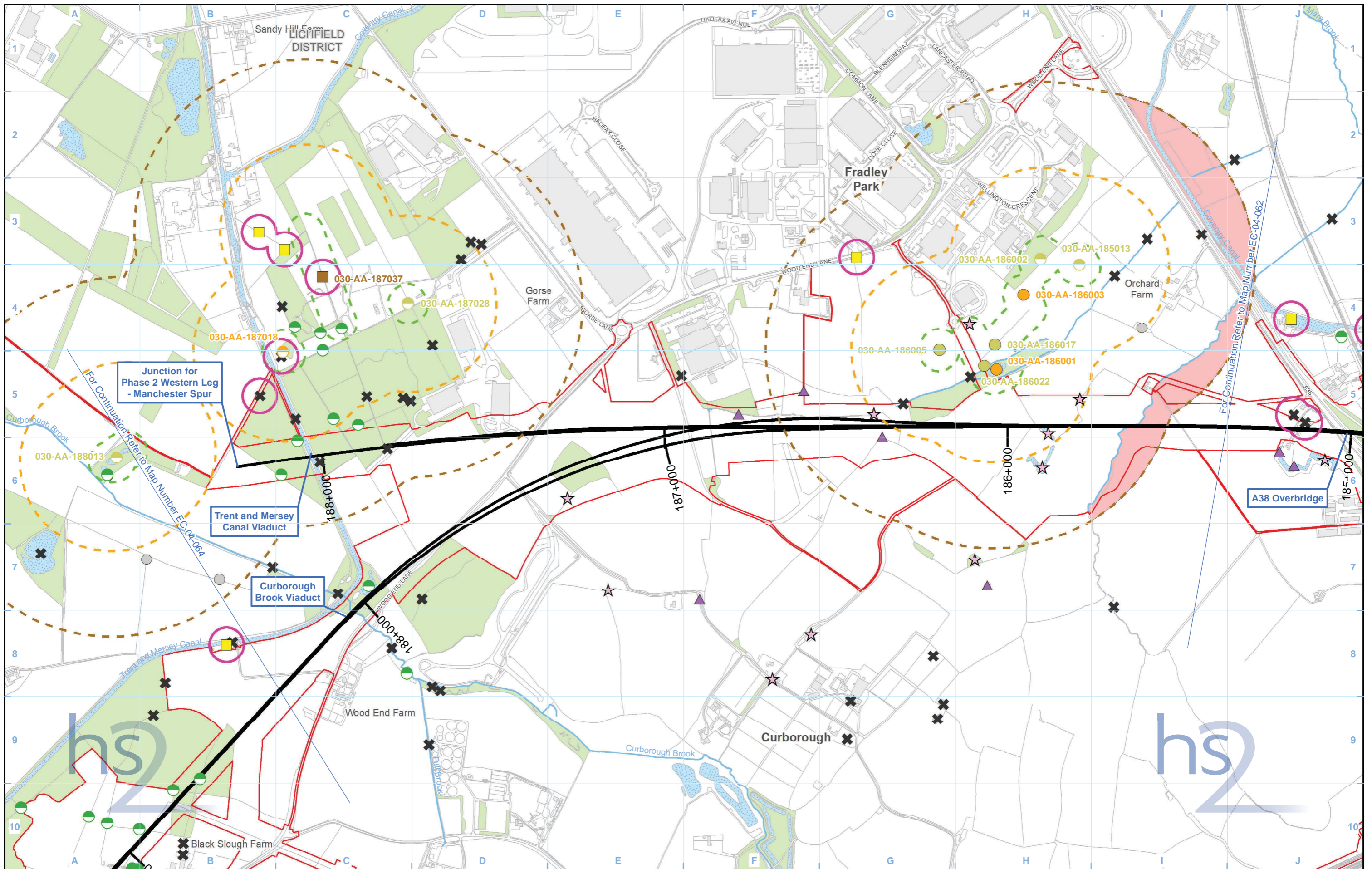
Scale at A3: 1:10,000

Metres

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Doc Number: C253-ATK-EV-MAP-030-002099-AP04-P01 Date: 24/09/15



Legend

<ul style="list-style-type: none"> Route in tunnel Route on surface Depot, station, headhouse or portal building Land potentially required during construction Community forum boundary County boundary District/Borough boundary 	<ul style="list-style-type: none"> Watercourse Water body Woodland (not verified by survey) Area contains new survey data eDNA survey complete, Great Crested Newts present eDNA survey complete, result inconclusive 	<ul style="list-style-type: none"> Great Crested Newts present (6 visits) - medium population (11 - 99 adults) Great Crested Newts present (less than 6 visits) - medium population (11 - 99 adults) Great Crested Newts present (6 visits) - small population (1 - 10 adults) Great Crested Newts present (less than 6 visits) - small population (1 - 10 adults) Survey complete, Great Crested Newts assumed absent Survey incomplete, no Great Crested Newts found Scoped in - Habitat Suitability Index (HSI)/walkover Scoped in - no access permission 	<ul style="list-style-type: none"> Scoped out - no survey required 50m radius from all water bodies where presence of Great Crested Newts is confirmed 250m radius from all water bodies where presence of Great Crested Newts is confirmed 500m radius from all water bodies where presence of Great Crested Newts is confirmed Areas isolated by significant barriers to amphibian movement
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Map Number: EC-04-063

Map Name: Amphibians SES3 and AP4 ES

Community Forum Area CFA22: Whittington to Handsacre

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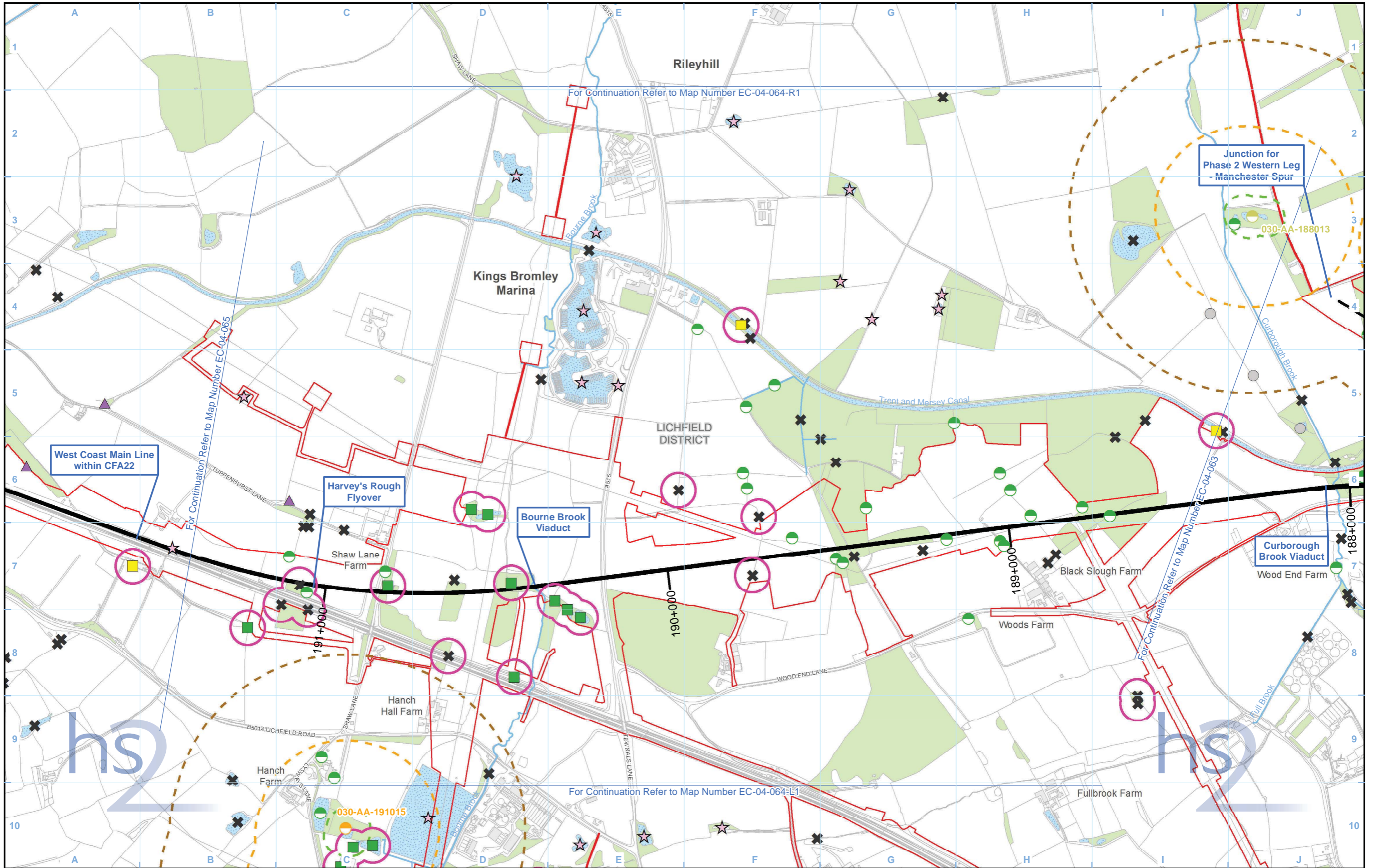
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Doc Number: C253-ATK-EV-MAP-030-002100-AP04-P01

Date: 24/09/15



Legend	
	Route in tunnel
	Route on surface
	Depot, station, headhouse or portal building
	Land potentially required during construction
	Community forum boundary
	County boundary
	District/Borough boundary
	Watercourse
	Water body
	Woodland (not verified by survey)
	Area contains new survey data
	eDNA survey complete, Great Crested Newts assumed absent
	eDNA survey complete, result inconclusive
	Great Crested Newts present (less than 6 visits) - medium population (11 - 99 adults)
	Great Crested Newts present (less than 6 visits) - small population (1 - 10 adults)
	Survey complete, Great Crested Newts assumed absent
	Survey incomplete, no Great Crested Newts found
	Scoped in - Habitat Suitability Index (HSI)/walkover
	Scoped in - no access permission
	Scoped out - no survey required
	50m radius from all water bodies where presence of Great Crested Newts is confirmed
	250m radius from all water bodies where presence of Great Crested Newts is confirmed
	500m radius from all water bodies where presence of Great Crested Newts is confirmed

Map Number	EC-04-064
Map Name	Amphibians SES3 and AP4 ES
Community Forum Area CFA22: Whittington to Handsacre	

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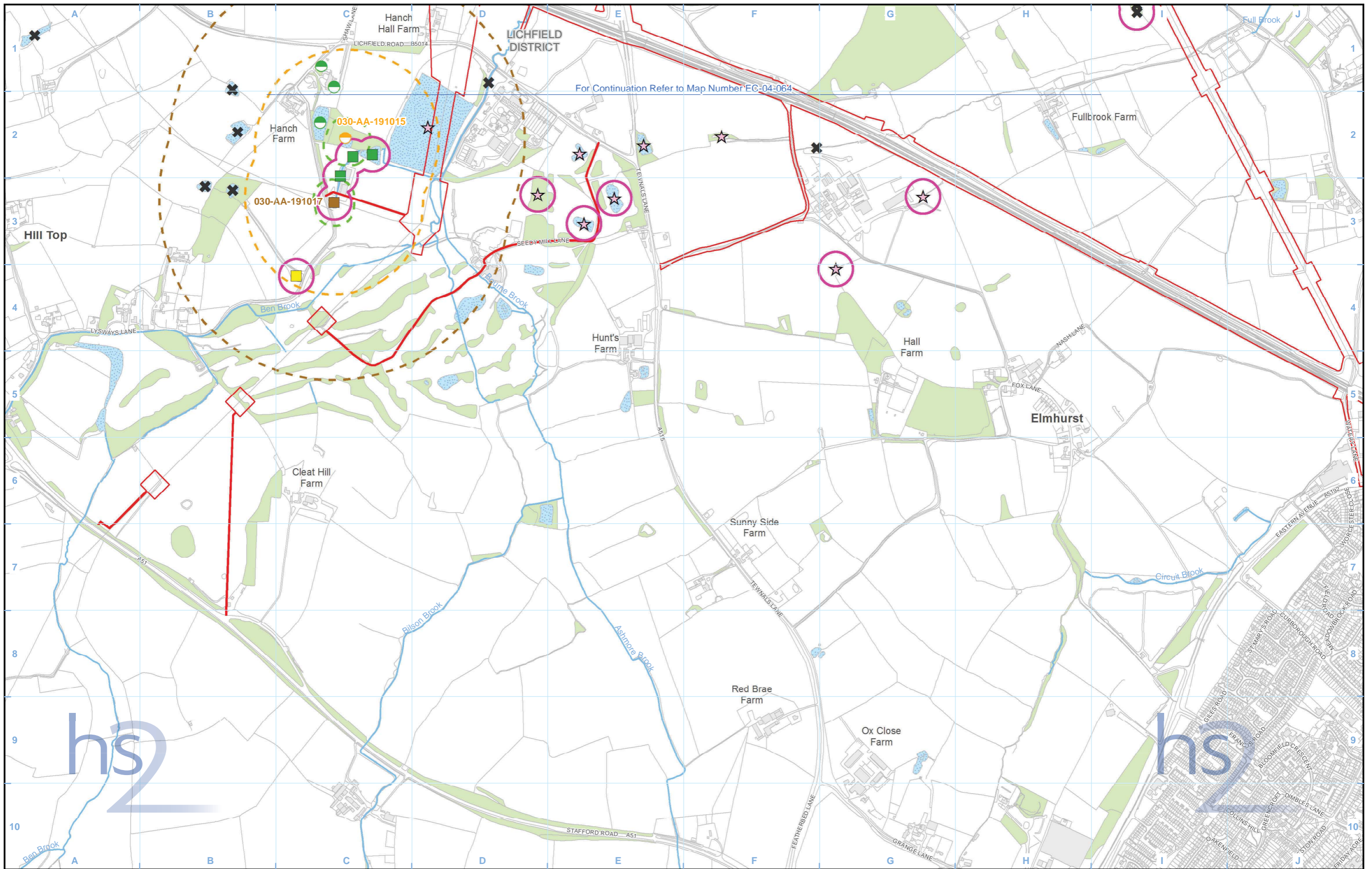
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Doc Number: C253-ATK-EV-MAP-030-002101-AP04-P01

Scale at A3: 1:10,000

Metres

Date: 24/09/15



Legend	
	Route in tunnel
	Route on surface
	Depot, station, headhouse or portal building
	Land potentially required during construction
	Community forum boundary
	County boundary
	District/Borough boundary
	Watercourse
	Water body
	Woodland (not verified by survey)
	Area contains new survey data
	eDNA survey complete, Great Crested Newts present
	eDNA survey complete, Great Crested Newts assumed absent
	eDNA survey complete, result inconclusive
	Great Crested Newts present (less than 6 visits) - medium population (11 - 99 adults)
	Survey complete, Great Crested Newts assumed absent
	Scoped in - no access permission
	Scoped out - no survey required
	50m radius from all water bodies where presence of Great Crested Newts is confirmed
	250m radius from all water bodies where presence of Great Crested Newts is confirmed
	500m radius from all water bodies where presence of Great Crested Newts is confirmed

Map Number	EC-04-064-L1
Map Name	Amphibians SES3 and AP4 ES
Community Forum Area CFA22: Whittington to Handsacre	

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Doc Number: C253-ATK-EV-MAP-030-002102-AP04-P01

Scale at A3: 1:10,000

Metres

Date: 24/09/15



Legend

Route in tunnel	District/Borough boundary	Scoped in - no access permission	500m radius from all water bodies where presence of Great Crested Newts is confirmed
Route on surface	Watercourse	Scoped out - no survey required	250m radius from all water bodies where presence of Great Crested Newts is confirmed
Depot, station, headhouse or portal building	Water body	Area contains new survey data	
Land potentially required during construction	Woodland (not verified by survey)		
Community forum boundary	County boundary		

Map Number **EC-04-064-R1**

Map Name **Amphibians SES3 and AP4 ES**

Community Forum Area CFA22: Whittington to Handsacre

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Doc Number: C253-ATK-EV-MAP-030-002103-AP04-P01 Date: 24/09/15

For Continuation Refer to Map Number EC-04-064

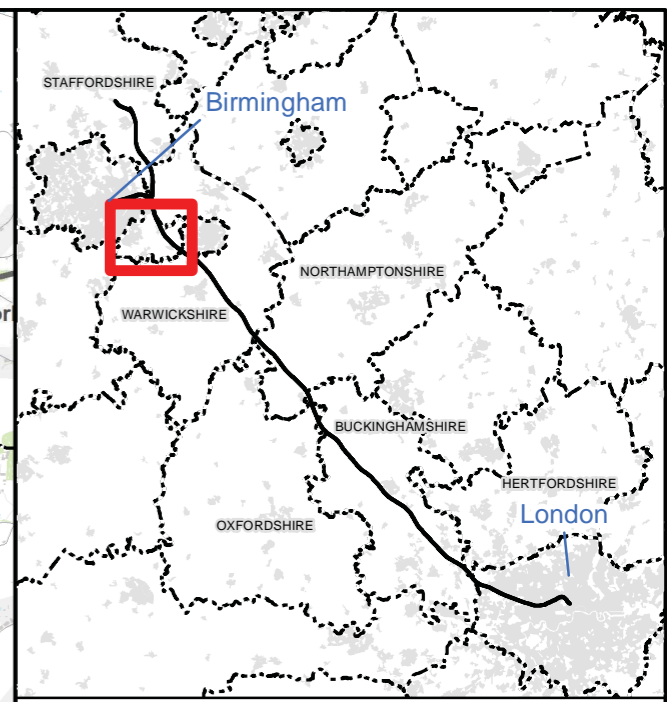
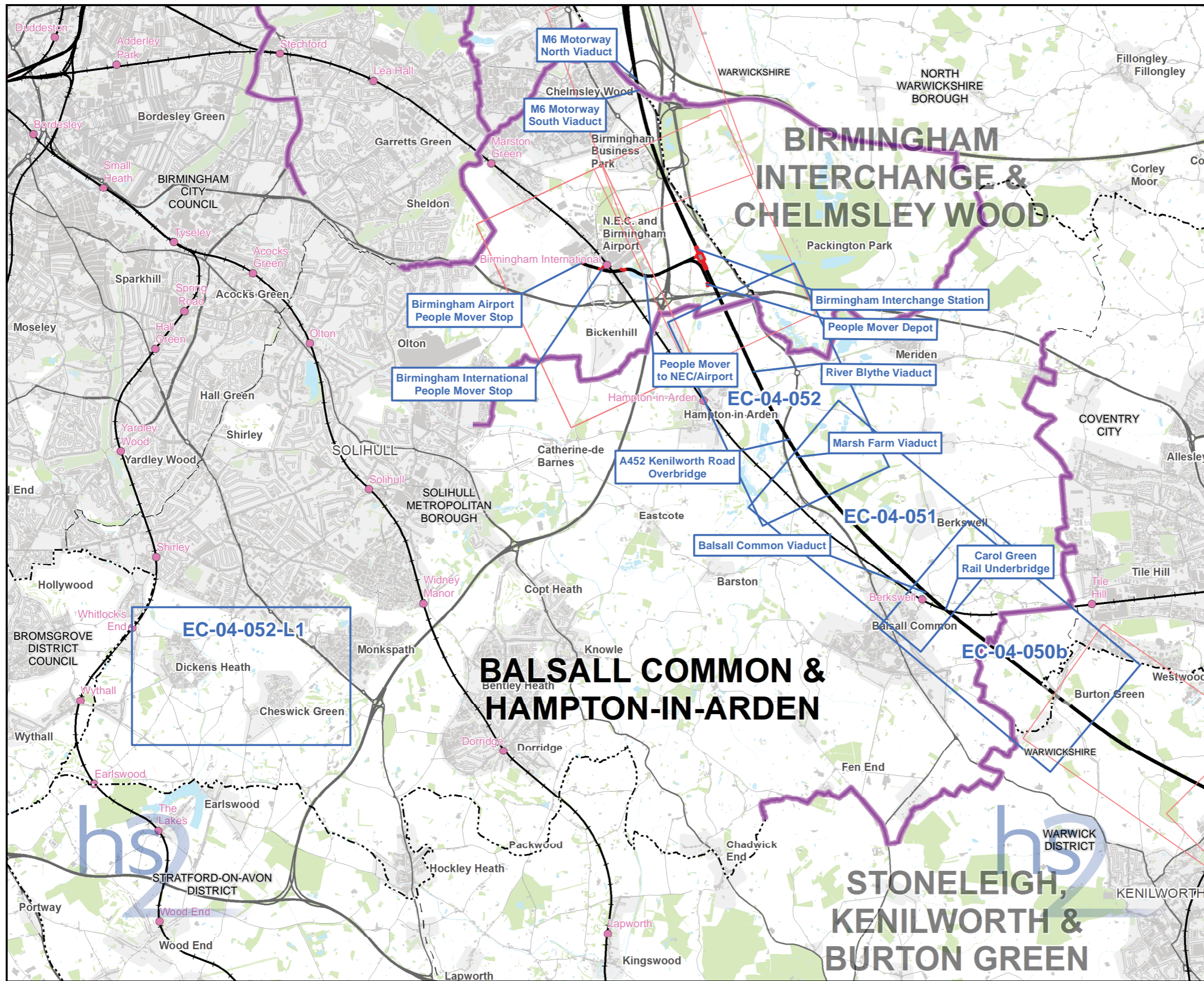
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HIGH SPEED RAIL (LONDON - WEST MIDLANDS)

Supplementary Environmental Statement 3 and
Additional Provision 4 Environmental Statement

Volume 5 | CFA23 Balsall Common and Hampton-in-Arden
EC-04 – Amphibians

October 2015



Map Series Information:

This map series shows the results of amphibian surveys conducted to inform the Environmental Assessment. It principally details the results of great crested newt surveys conducted. In addition it shows the location of those 'exceptional' populations of common amphibians recorded.

Main Map Legend

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Community forum boundary
- Existing railway station
- County boundary
- District/Borough boundary
- Map sheets included in this community forum with amendment
- Map sheets included in this community forum with no amendment
- Map sheets not included in this community forum

Map Number	EC-04-INDEX-CFA23
Map Name	Index Map of: Amphibians SES3 and AP4 ES
Community Forum Area CFA23:	Balsall Common & Hampton-in-Arden

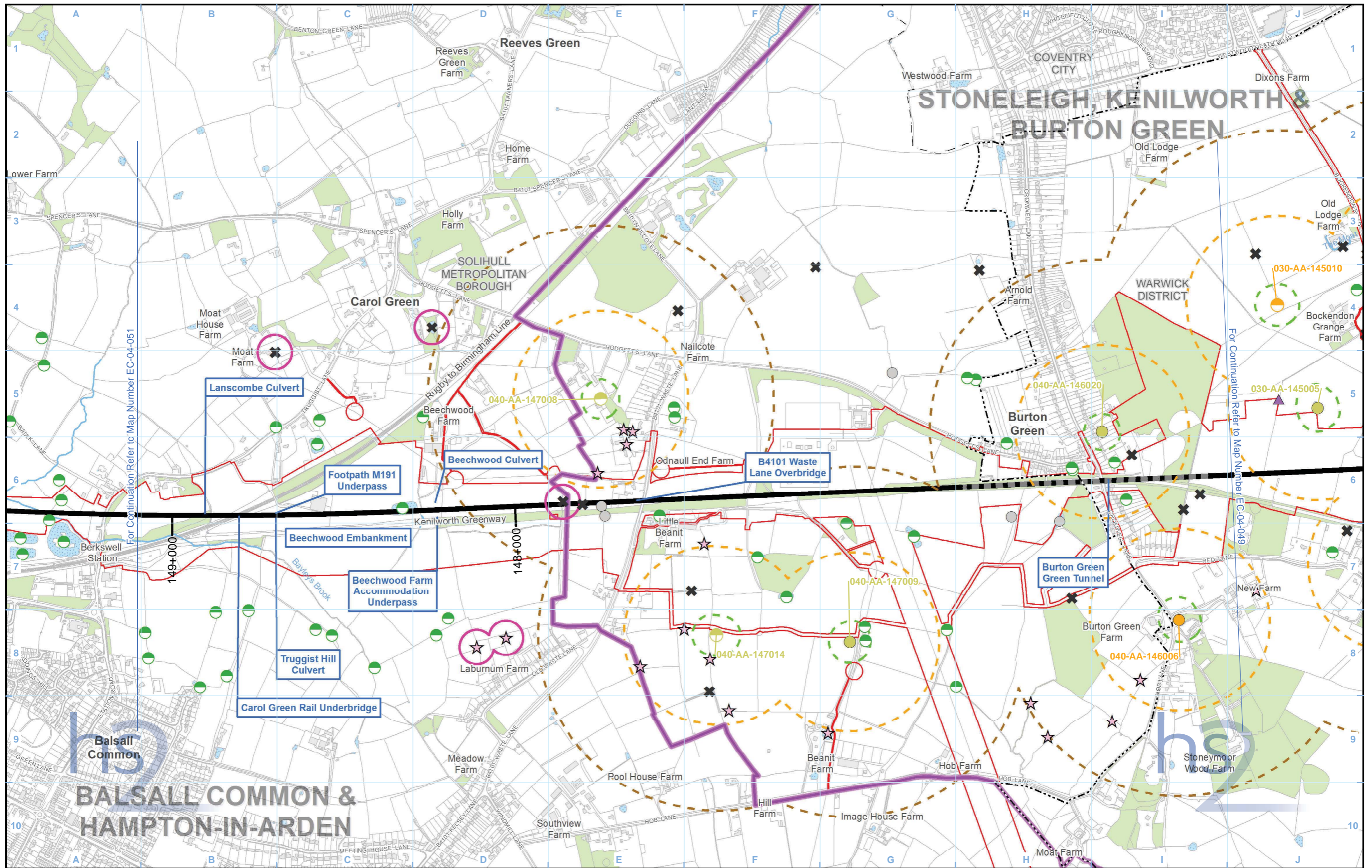
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Legend

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Land potentially required during construction
- Community forum boundary
- County boundary

- District/Borough boundary
- Watercourse
- Water body
- Woodland (not verified by survey)
- Area contains new survey data
- Great Crested Newts present (less than 6 visits) - medium population (1 - 10 adults)

- Great Crested Newts present (6 visits) - medium population (11 - 99 adults)
- Great Crested Newts present (less than 6 visits) - small population (11 - 99 adults)
- Great Crested Newts present (6 visits) - small population (1 - 10 adults)
- Survey incomplete, no Great Crested Newts found

- Survey complete, Great Crested Newts assumed absent
- Scoped In -Habitat Suitability Index (HSI)/walkover only
- Scoped in - no access permission
- Scoped out - no survey required

- 50m radius from all water bodies where presence of Great Crested Newt is confirmed
- 250m radius from all water bodies where presence of Great Crested Newt is confirmed
- 500m radius from all water bodies where presence of Great Crested Newt is confirmed

Map Number
EC-04-050b

Map Name
**Amphibians
SES3 and AP4 ES**

Community Forum Area CFA23:
Balsall Common & Hampton-in-Arden

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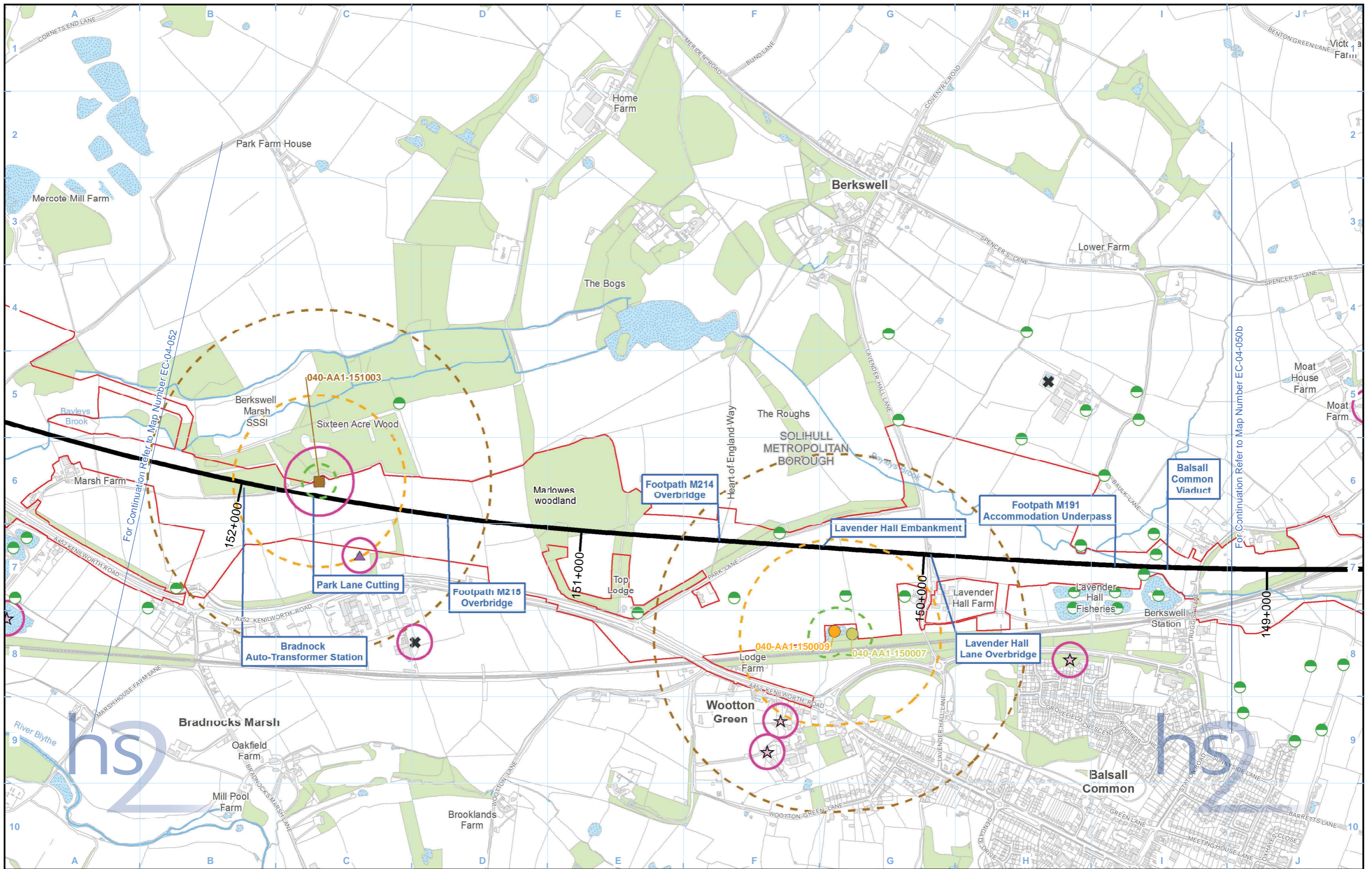
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Doc Number: C254-ARP-EV-MAP-040-000629-AP04-P01

Date: 16/09/15

Scale at A3: 1:10,000

0 100 200 300 400 Metres



Legend

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Land potentially required during construction
- Community forum boundary
- County boundary
- District/Borough boundary
- Watercourse
- Water body
- Woodland (not verified by survey)
- Area contains new survey data
- eDNA survey complete, Great Crested Newts present

- Great Crested Newts present (6 visits) - medium population (11 - 99 adults)
- Great Crested Newts present (6 visits) - small population (1 - 10 adults)
- Survey complete, Great Crested Newts assumed absent
- ▲ Scoped In -Habitat Suitability Index (HSI)/walkover only
- ★ Scoped in - no access permission
- ✘ Scoped out - no survey required
- 50m radius from all water bodies where presence of Great Crested Newt is confirmed
- 250m radius from all water bodies where presence of Great Crested Newt is confirmed
- 500m radius from all water bodies where presence of Great Crested Newt is confirmed

Map Number: **EC-04-051**

Map Name: **Amphibians SES3 and AP4 ES**

Community Forum Area CFA23:
Balsall Common & Hampton-in-Arden

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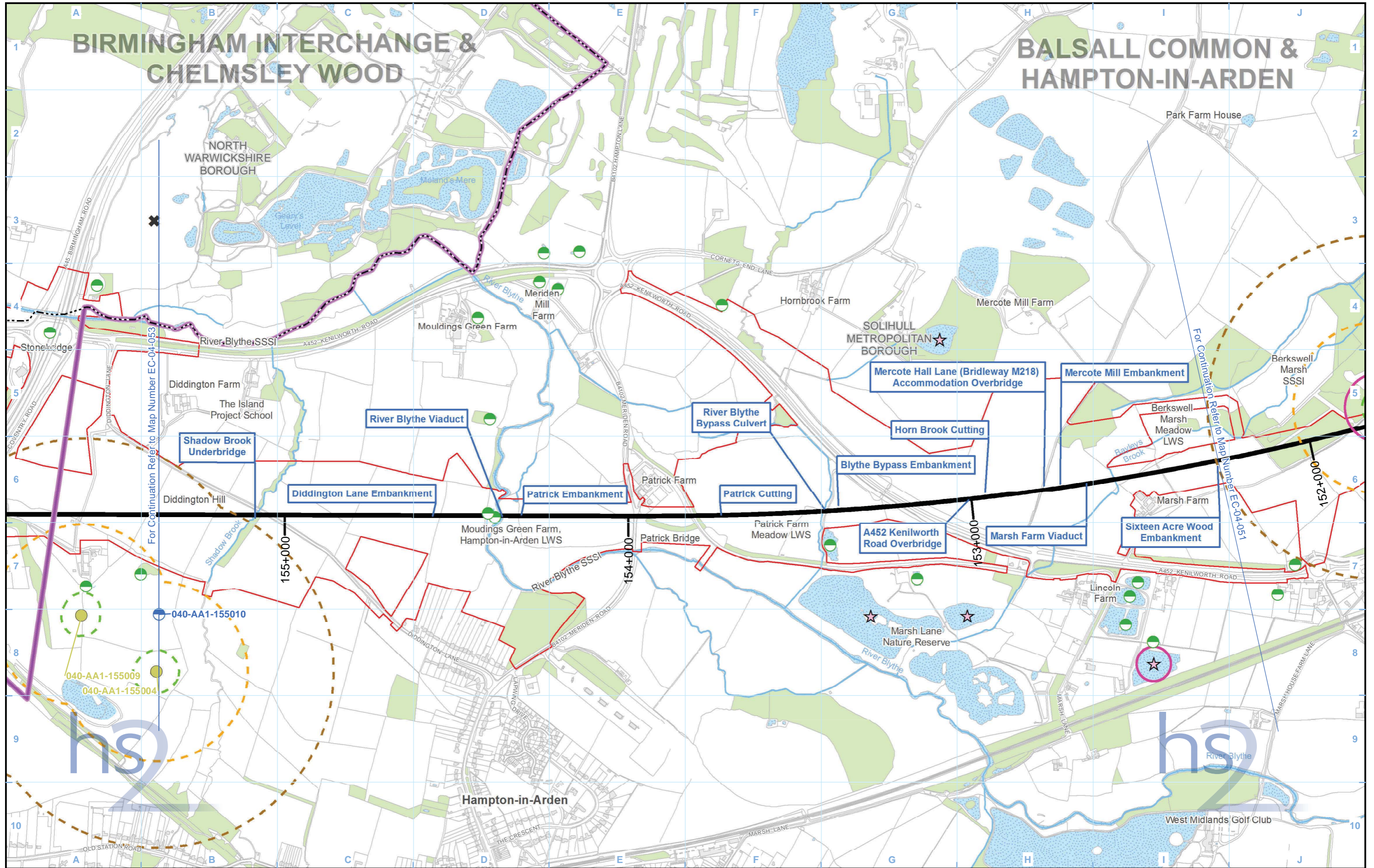
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Doc Number: C254-ARP-EV-MAP-040-000630-AP04-P01

Date: 16/09/15

BIRMINGHAM INTERCHANGE & CHELMSLEY WOOD

BALSALL COMMON & HAMPTON-IN-ARDEN



040-AA1-155010

040-AA1-155009

040-AA1-155004

Map Number: EC-04-052

Map Name: Amphibians SES3 and AP4 ES

Community Forum Area CFA23: Balsall Common & Hampton-in-Arden

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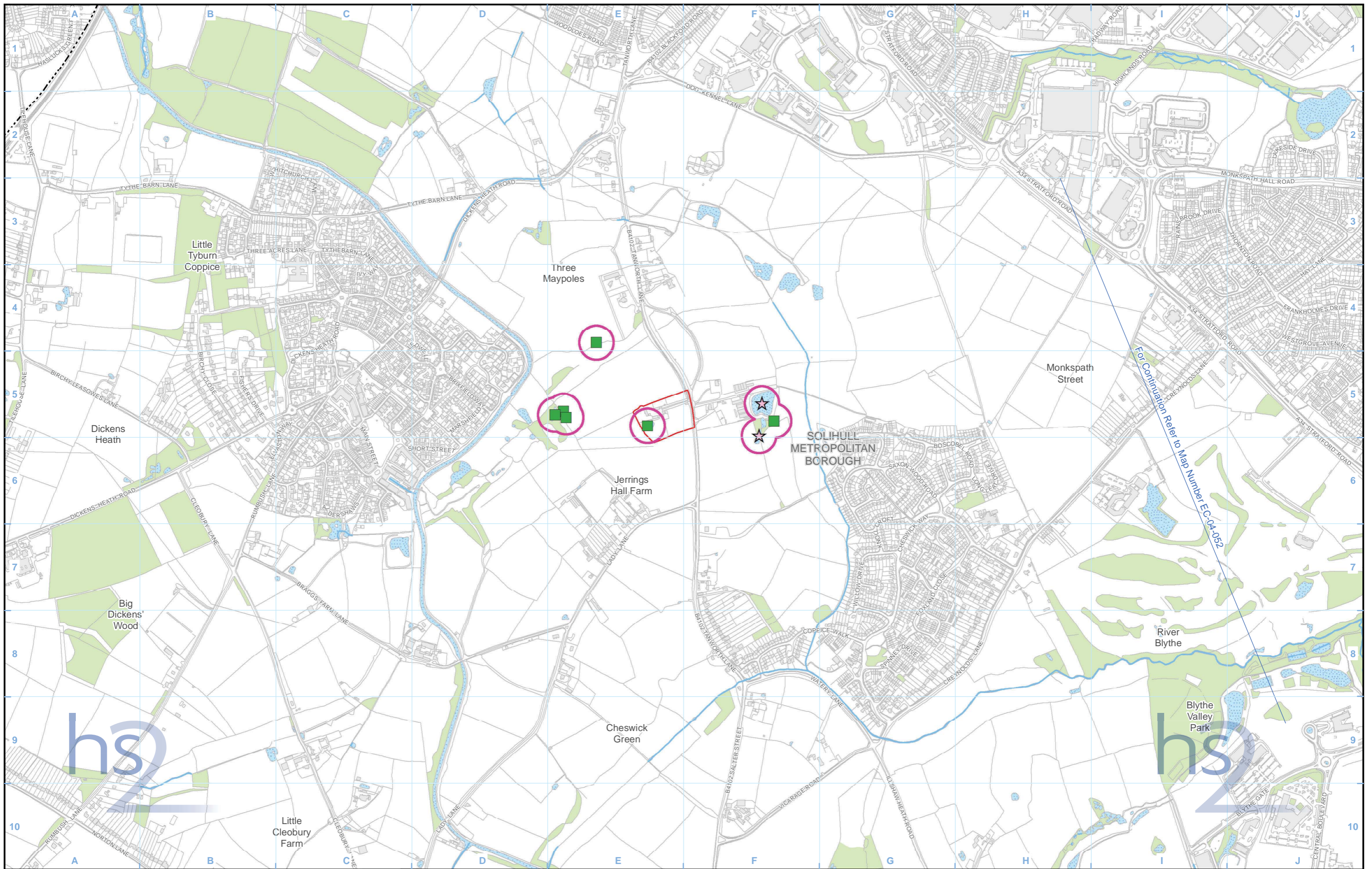
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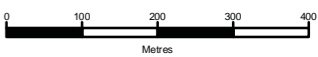
Legend	
	Route in tunnel
	Route on surface
	Depot, station, headhouse or portal building
	Land potentially required during construction
	Community forum boundary
	County boundary
	District/Borough boundary
	Watercourse
	Water body
	Woodland (not verified by survey)
	Area contains new survey data
	eDNA survey complete, Great Crested Newts assumed absent
	Scoped in - no access permission

Map Number	EC-04-052-L1
Map Name	Amphibians SES3 and AP4 ES
Community Forum Area CFA23: Balsall Common & Hampton-in-Arden	


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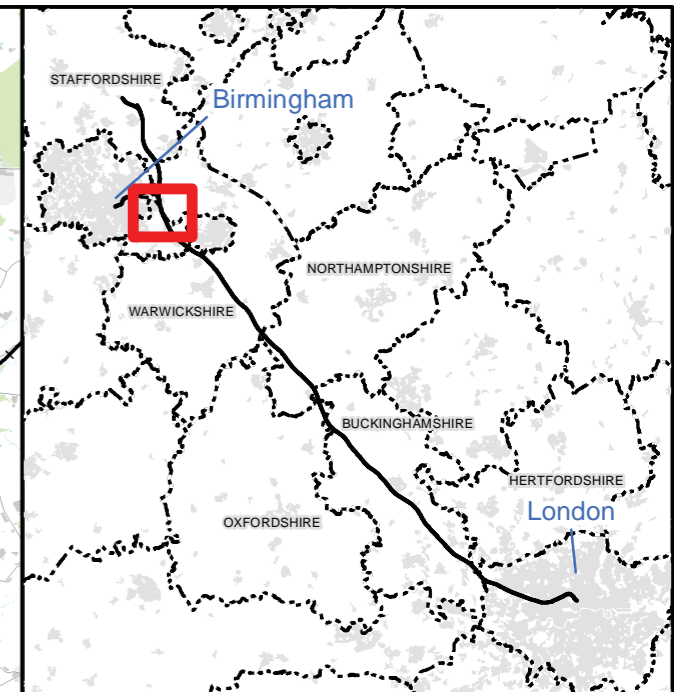
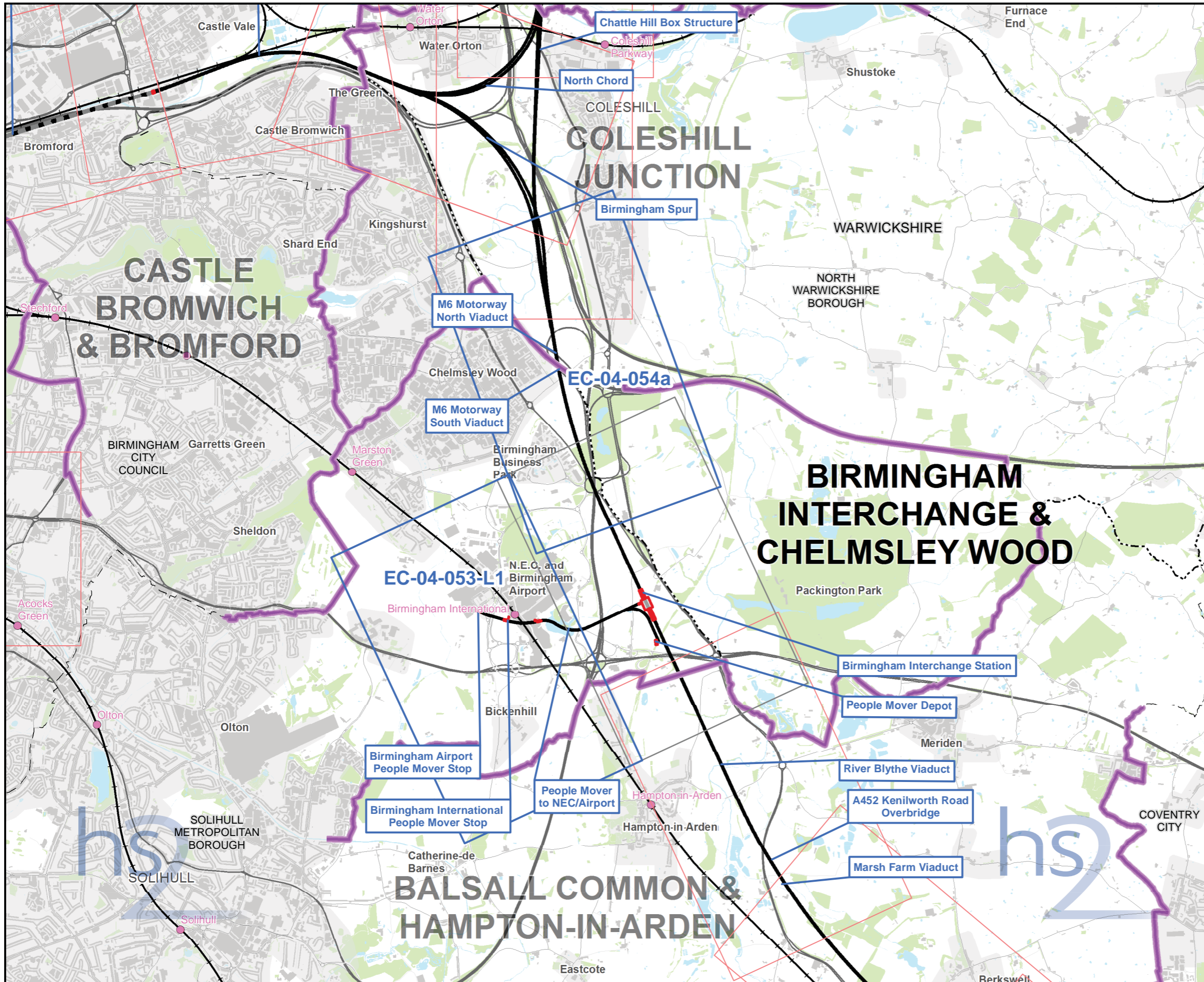
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HIGH SPEED RAIL (LONDON - WEST MIDLANDS)

Supplementary Environmental Statement 3 and
Additional Provision 4 Environmental Statement

Volume 5 | CFA24 Birmingham Interchange and Chelmsley Wood
EC-04 – Amphibians

October 2015



Map Series Information:

This map series shows the results of amphibian surveys conducted to inform the Environmental Assessment. It principally details the results of great crested newt surveys conducted. In addition it shows the location of those 'exceptional' populations of common amphibians recorded.

Main Map Legend

Route in tunnel	Map sheets included in this community forum with amendment
Route on surface	Map sheets included in this community forum with no amendment
Depot, station, headhouse or portal building	Map sheets not included in this community forum
Community forum boundary	
Existing railway station	
County boundary	
District/Borough boundary	

Map Number	EC-04-INDEX-CFA24
Map Name	Index Map of: Amphibians SES3 and AP4 ES
Community Forum Area CFA24: Birmingham Interchange & Chelmsley Wood	

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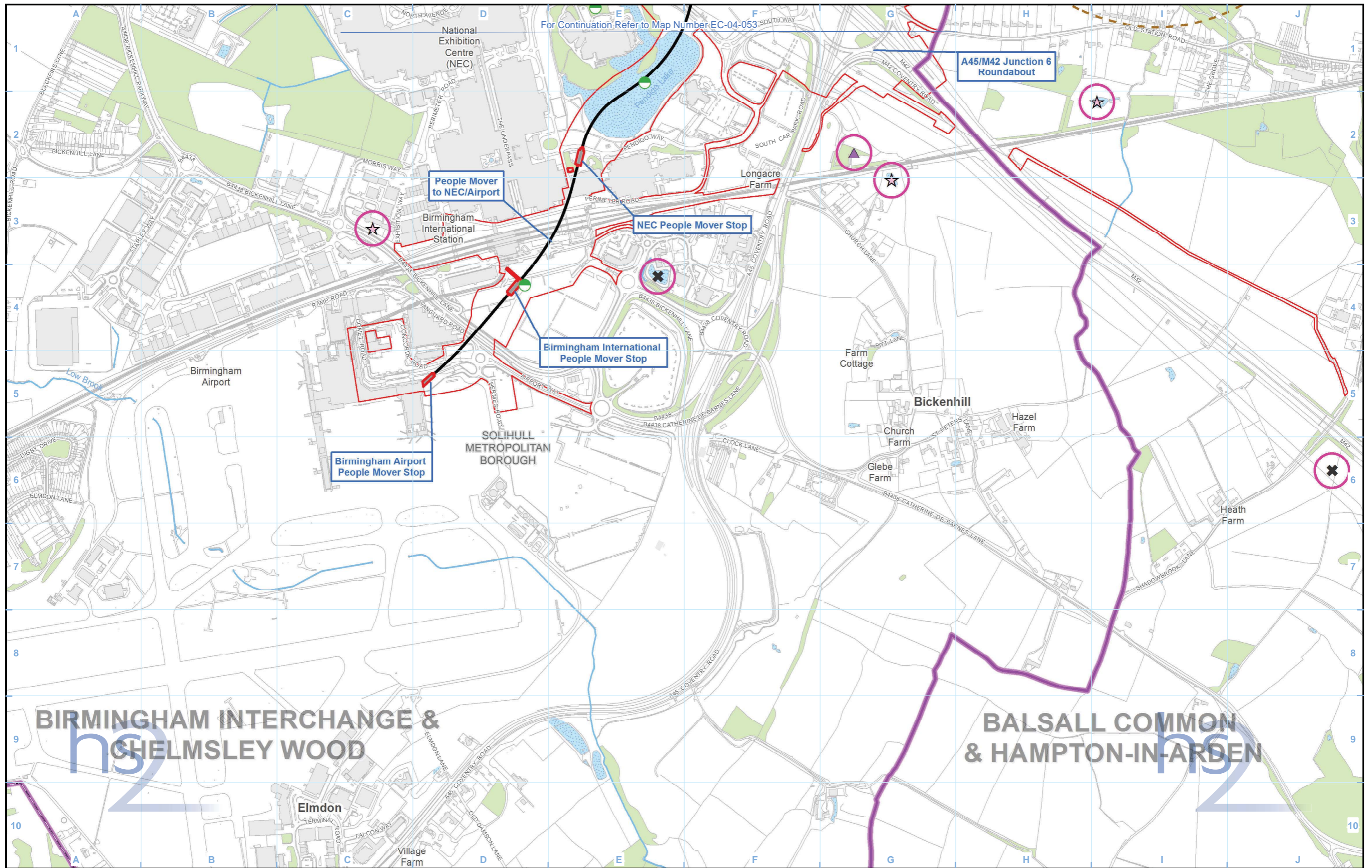
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Note: Not all data layers in the legend are represented on every map.



For Continuation Refer to Map Number EC-04-053

A45/M42 Junction 6 Roundabout

People Mover to NEC/Airport

NEC People Mover Stop

Birmingham International People Mover Stop

Birmingham Airport People Mover Stop

BIRMINGHAM INTERCHANGE & CHELMSLEY WOOD

BALSALL COMMON & HAMPTON-IN-ARDEN

Legend

Route in tunnel	District/Borough boundary	Scoped In - Habitat Suitability Index (HSI)/walkover only
Route on surface	Watercourse	Scoped in - no access permission
Depot, station, headhouse or portal building	Water body	Scoped out - no survey required
Land potentially required during construction	Woodland (not verified by survey)	500m radius from all water bodies where presence of Great Crested Newt is confirmed
Community forum boundary	Area contains new survey data	Survey complete, Great Crested Newts assumed absent
County boundary		

Map Number	EC-04-053-L1
Map Name	Amphibians SES3 and AP4 ES
Community Forum Area CFA24: Birmingham Interchange & Chelmsley Wood	

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0 100 200 300 400 Metres

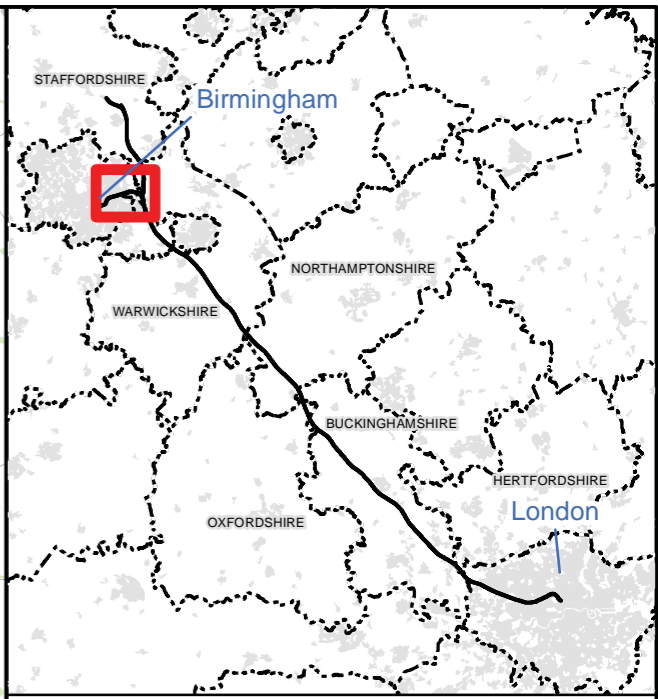
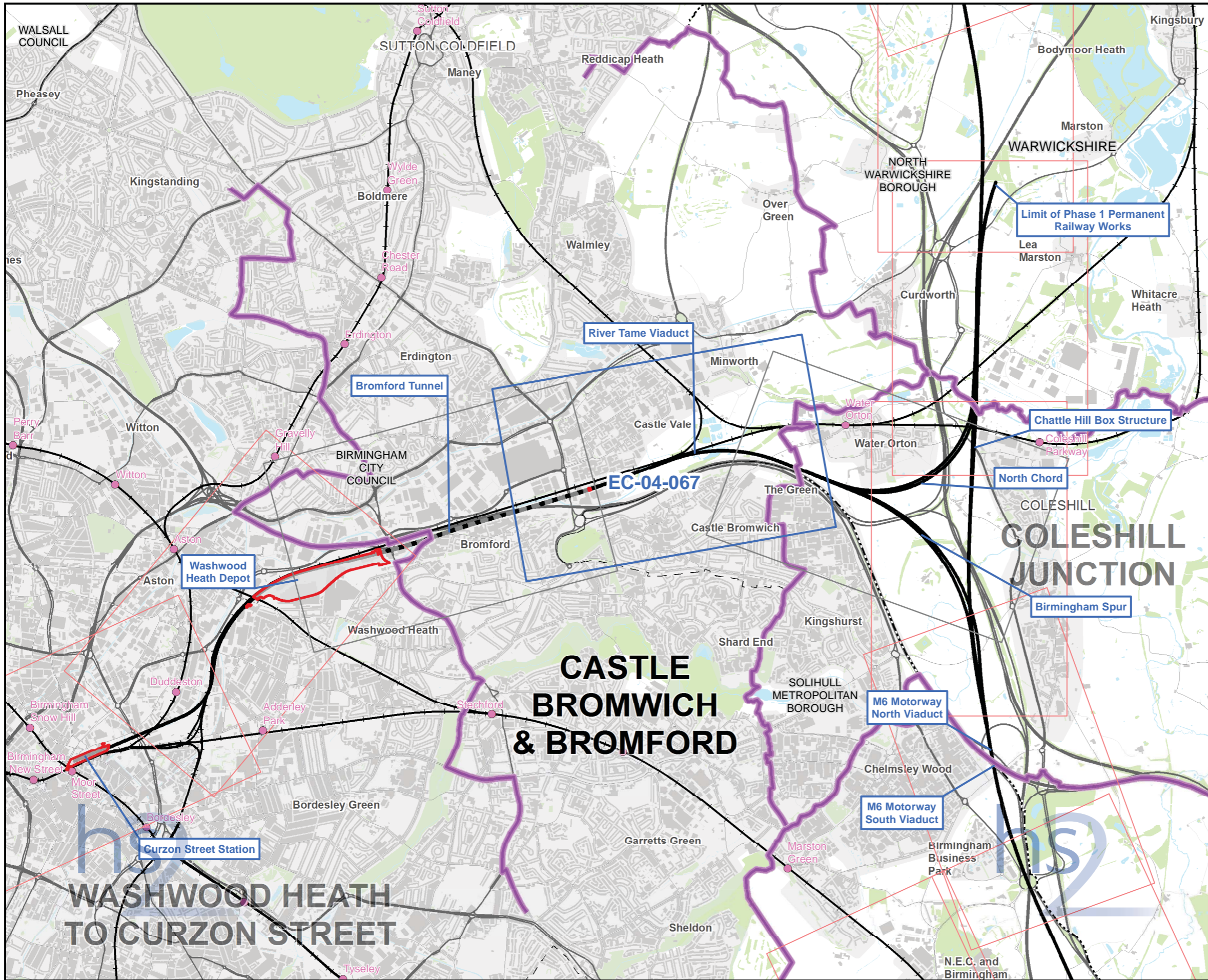
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HIGH SPEED RAIL (LONDON - WEST MIDLANDS)

Supplementary Environmental Statement 3 and
Additional Provision 4 Environmental Statement

Volume 5 | CFA25 Castle Bromwich and Bromford
EC-04 – Amphibians

October 2015



Map Series Information:

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Main Map Legend

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Community forum boundary
- Existing railway station
- County boundary
- District/Borough boundary
- Map sheets included in this community forum with amendment
- Map sheets included in this community forum with no amendment
- Map sheets not included in this community forum

Map Number: EC-04-INDEX-CFA25

Map Name: Index Map of: Amphibians SES3 and AP4 ES

Community Forum Area CFA25: Castle Bromwich & Bromford

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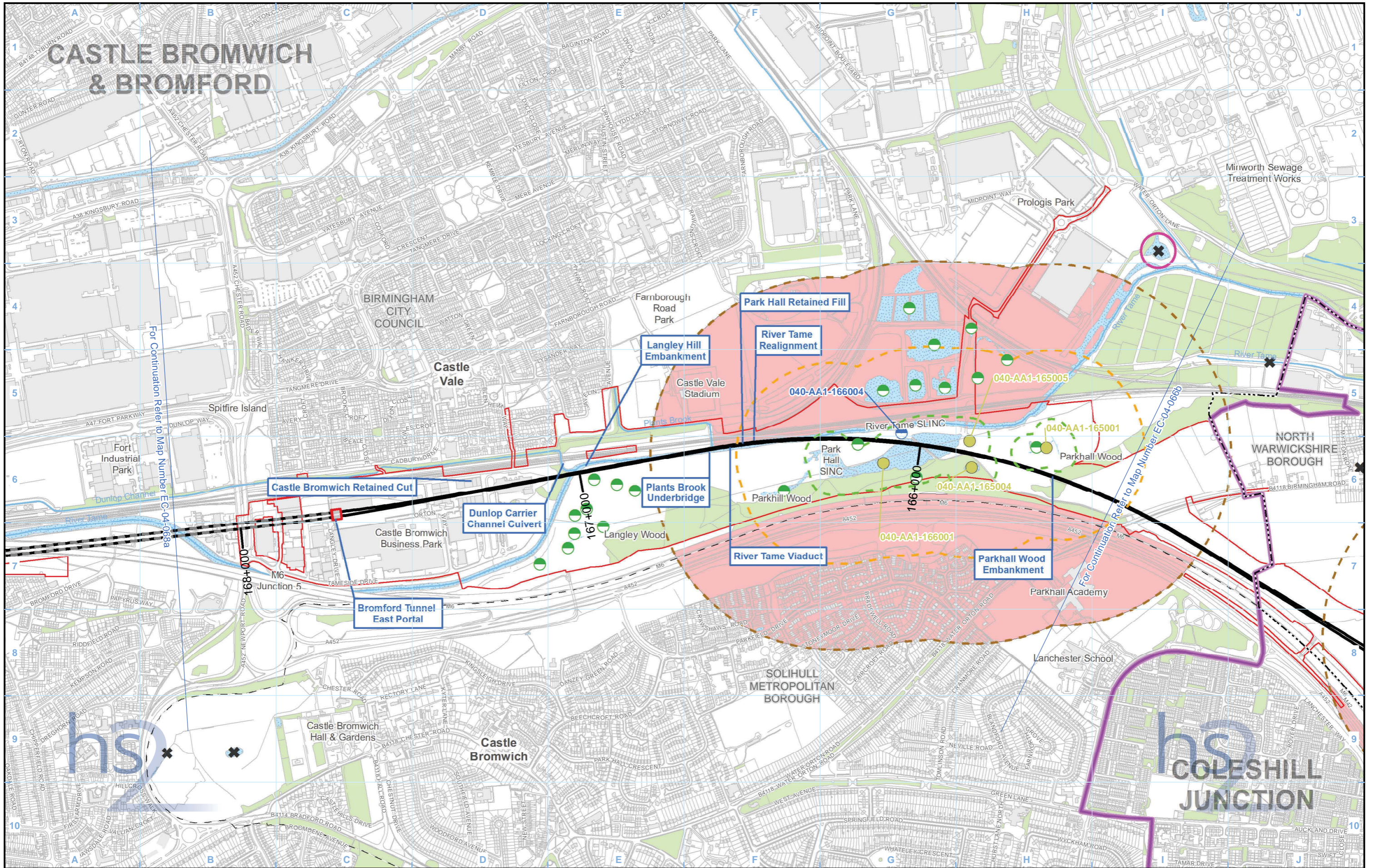
Doc Number: C254-ARP-EV-MAP-040-000462-AP04-P01

Note: Not all data layers in the legend are represented on every map.

Scale at A3: 1:50,000

Date: 14/09/15

CASTLE BROMWICH & BROMFORD



- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Land potentially required during construction
 - Community forum boundary
 - County boundary
 - District/Borough boundary
 - Watercourse
 - Water body
 - Woodland (not verified by survey)
 - Area contains new survey data
 - Great Crested Newts present (6 visits) - small population (1 - 10 adults)

- Great Crested Newts confirmed present - no size class determined
- Survey complete, Great Crested Newts assumed absent
- Scoped out - no survey required
- Areas isolated by significant barriers to amphibian movement

- 50m radius from all water bodies where presence of Great Crested Newt is confirmed
- 250m radius from all water bodies where presence of Great Crested Newt is confirmed
- 500m radius from all water bodies where presence of Great Crested Newt is confirmed

Map Number
EC-04-067

Map Name
**Amphibians
SES3 and AP4 ES**

Community Forum Area CFA25:
Castle Bromwich & Bromford

COLESHILL JUNCTION

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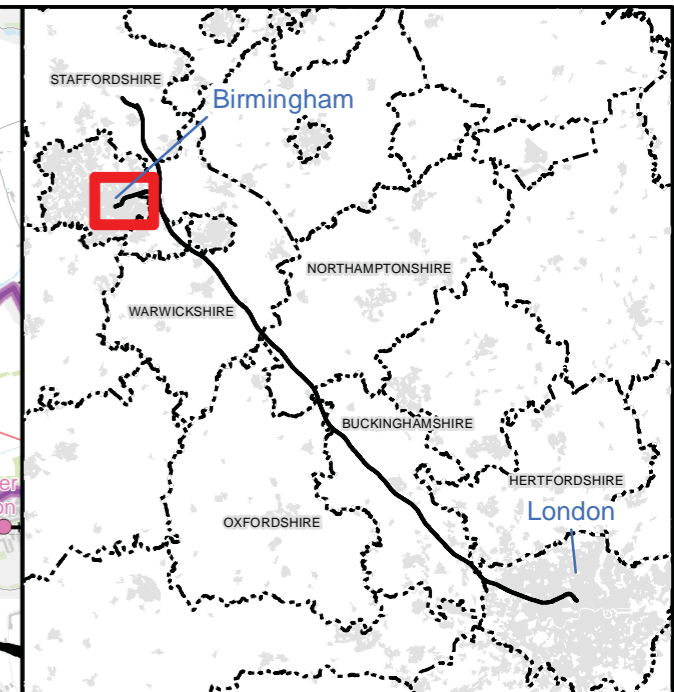
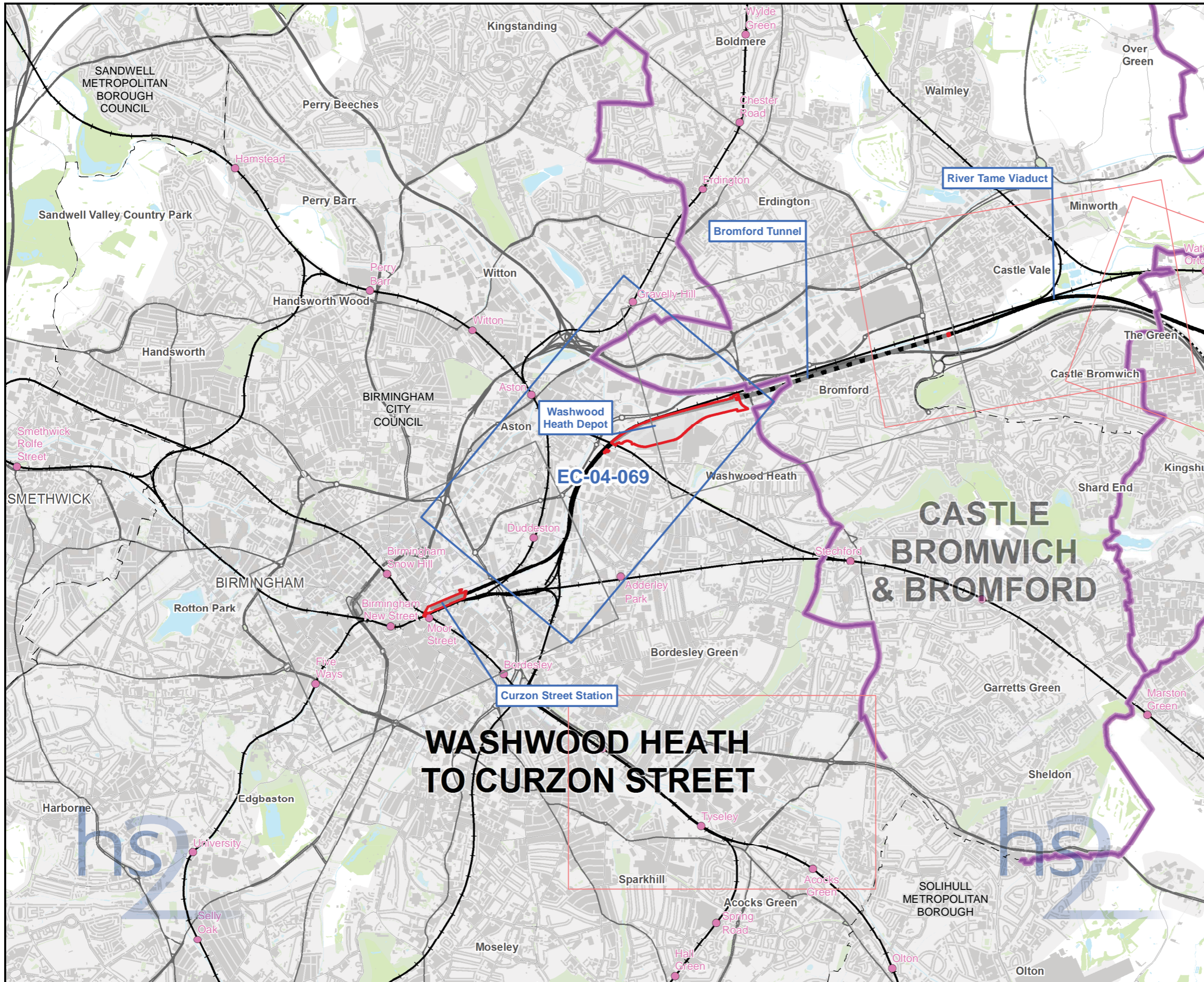
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HIGH SPEED RAIL (LONDON - WEST MIDLANDS)

Supplementary Environmental Statement 3 and
Additional Provision 4 Environmental Statement

Volume 5 | CFA26 Washwood Heath to Curzon Street
EC-04 – Amphibians

October 2015



Map Series Information:

This map series shows the results of amphibian surveys conducted to inform the Environmental Assessment. It principally details the results of great crested newt surveys conducted. In addition it shows the location of those 'exceptional' populations of common amphibians recorded.

Main Map Legend

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Community forum boundary
- Existing railway station
- County boundary
- District/Borough boundary
- Map sheets included in this community forum with amendment
- Map sheets included in this community forum with no amendment
- Map sheets not included in this community forum

Map Number	EC-04-INDEX-CFA26
Map Name	Index Map of: Amphibians SES3 and AP4 ES
Community Forum Area CFA26: Washwood Heath to Curzon Street	

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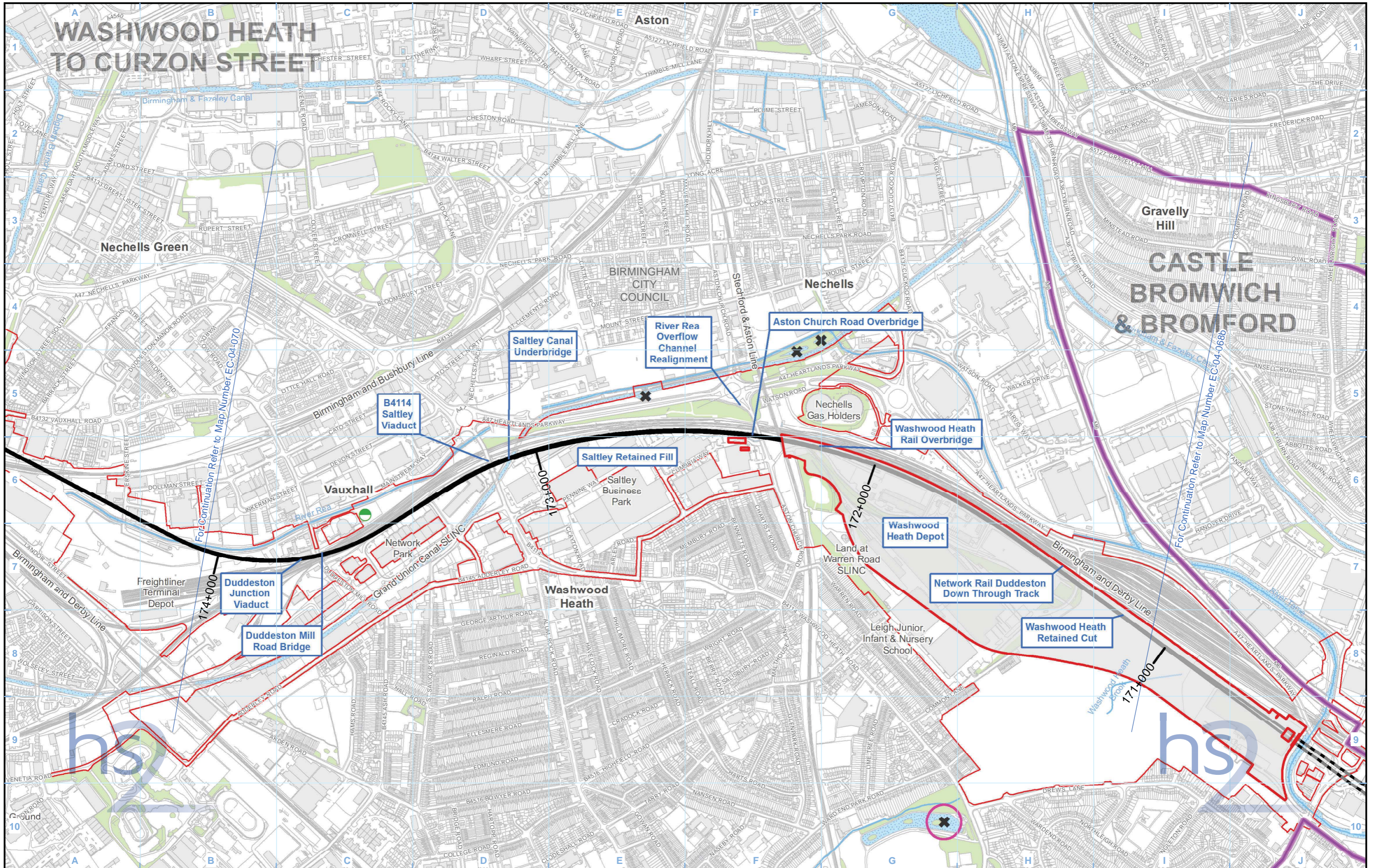
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WASHWOOD HEATH TO CURZON STREET



- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Land potentially required during construction
 - Community forum boundary
 - County boundary
 - District/Borough boundary
 - Watercourse
 - Water body
 - Woodland (not verified by survey)
 - Area contains new survey data
 - Survey complete, Great Crested Newts assumed absent
 - Scoped out - no survey required

Map Number
EC-04-069

Map Name
**Amphibians
SES3 and AP4 ES**

Community Forum Area CFA26:
Washwood Heath to Curzon Street

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