

High Speed Rail (Crewe – Manchester)

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

Volume 5: Map Book

Ecology and biodiversity (EC-01)

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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.

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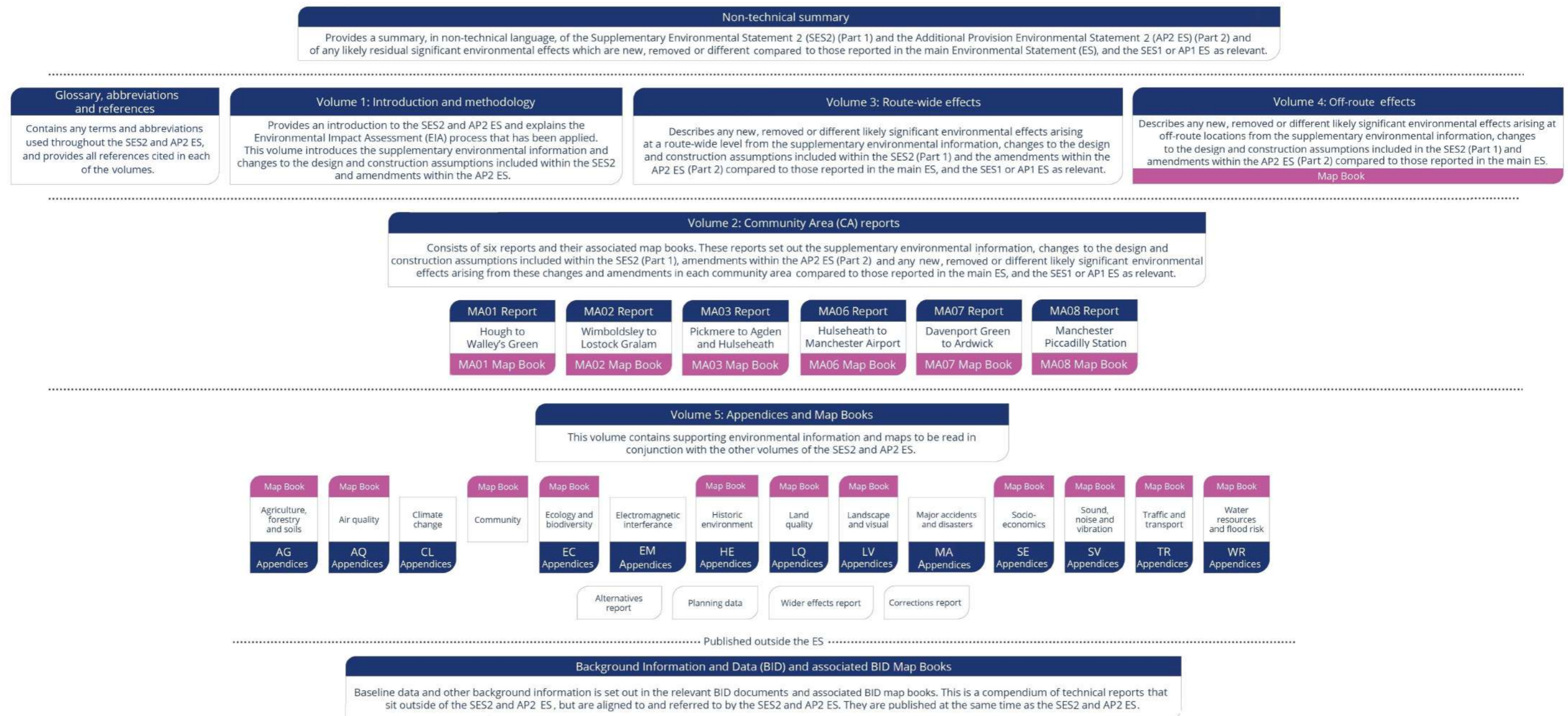
Data dictionary and definitions

Map series name	EC-01 - Designated Sites
Map series description	This map series shows statutory and non-statutory sites for nature conservation located in the vicinity of the land required for the construction of the Proposed Scheme. They also show the location of Nature Reserves of the RSPB and Wildlife Trusts, and ancient woodland.
Community Area name	
MA01 Hough to Walley's Green	✓
MA02 Wimboldsley to Lostock Gralam	✓
MA03 Pickmere to Agden and Hulseheath	✓
MA06 Hulseheath to Manchester Airport	✓
MA07 Davenport Green to Ardwick	✓
MA08 Manchester Piccadilly Station	✓
ORW1 Preston Station (PSTN)	
ORW2 Carlisle Station (CSTN)	
ORW3 Annandale Depot (ADEP)	✓

Mapping explanatory notes

Structure of the Supplementary Environmental Statement 2 and the Additional Provision 2 Environmental Statement

This map book is part of the suite of documents that make up the Supplementary Environmental Statement 2 (SES2) and the Additional Provision 2 Environmental Statement (AP2 ES) for the High Speed Rail (Crewe – Manchester) scheme. The SES2 and the AP2 ES are separate documents; however, they are bound together and presented in a number of volumes shown in Figure 1.



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 SES2 and AP2 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 SES2 and AP2 ES have a chainage value shown next to the alignment. Chainage is presented on the maps in black font, in the form of XXX+YYY, e.g. 192+000 or 239+500.

Chainage (known as reference chainage) is referenced from Euston Station, which is 0+000, and the value presented is in metres, e.g. 192+000 refers to the point, 192,000m, or 192km, from Euston Station. Chainage values increase in intervals dependent 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 1:20,000, 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 (In Parliament - Session 2021 - 2022) on the left-hand page and the SES2 and the AP2 ES map on the right. For the CT-05 and CT-06 map series, the SES2 and the AP2 ES is shown with different coloured hatching, annotated with labels, which highlights the areas of change. The coloured text box provides a brief description of the design change and amendment, and gives the SES2 and the AP2 ES reference number. In some instances where the effect covers a large area, a box without hatching but with a label, is shown. Only maps which have been amended as a result of the SES2 and the AP2 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 hatching.

Each Volume 5 map is annotated to describe the change to a receptor or significant effect, and to give the SES2 and the AP2 ES reference number. For more detailed information about the SES2 and the AP2 ES annotation, refer to the map series legend. Only maps which have been amended as a result of the SES2 and the AP2 ES are included within the map book. Changes to receptors or significant effects relating to SES1 or AP1 ES are also provided for reference. Where this is the case they are shown in a faded box.

Where a significant effect has been changed due to a correction to mapping produced in the main ES or previous SES/AP, the significant effect reference is suffixed with a double asterisk (**). The map now shows the correct effect.

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 left hand side of the page, and Manchester to the right.

The exception to this, are map series LV-00, LV-02, LV-07 and LV-08, 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 Manchester to the top.

Further details on the approach to mapping is set out in Section 6 of Volume 1 of the SES2 and AP2 ES.

Map books

In total, there are 19 map books included in the SES2 and AP2 ES Volume 2, Volume 4 and Volume 5. A list of the map book titles and map series is provided below for reference.

Map book title (map series)	Map book title (map series)
Volume 2: Map Book – MA01: Hough to Walley’s Green (CT-05, CT-06, CT-10, LV-03, SV-05)	Volume 5: Map Book – Planning Data / Committed Developments (CT-13)
Volume 2: Map Book – MA02: Wimboldsley to Lostock Gralam (CT-05, CT-06, CT-10, LV-03, SV-05)	Volume 5: Map Book – Ecology and biodiversity (EC-01)
Volume 2: Map Book – MA03: Pickmere to Agden and Hulseheath (CT-05, CT-06, CT-10, LV-03, LV-04, SV-05)	Volume 5: Map Book – Historic environment (HE-01, HE-02)
Volume 2: Map Book – MA06: Hulseheath to Manchester Airport (CT-05, CT-06, CT-10, LV-01, LV-03, LV-04, SV-05)	Volume 5: Map Book – Land quality (LQ-01)
Volume 2: Map Book – MA07: Davenport Green to Ardwick (CT-05, CT-06, CT-10, LV-01, LV-03, LV-04)	Volume 5: Map Book – Landscape and visual (LV-00, LV-02, LV-07, LV-08, LV-17)
Volume 2: Map Book – MA08: Manchester Piccadilly Station (CT-05, CT-06, CT-10, LV-03, LV-04, SV-05)	Volume 5: Map Book – Socio-economics (SE-01)
Volume 4: Off-route effects map book	Volume 5: Map Book – Sound, noise and vibration (SV-02, SV-03, SV-08, SV-09)
Volume 5: Map Book – Agriculture, forestry and soils (AG-01, AG-04)	Volume 5: Map Book – Traffic and transport (TR-01, TR-03, TR-04, TR-08)
Volume 5: Map Book – Air quality (AQ-01)	Volume 5: Map Book – Water resources and flood risk (WR-01, WR-03, WR-05, WR-06)
Volume 5: Map Book – Community (CM-01)	

High Speed Rail (Crewe – Manchester)

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

Data dictionary and definitions

Data dictionary and definitions

Legend features	Definition	Source	Copyright
Ancient Woodland	Ancient Woodland is land that has had continuous woodland cover since at least 1600AD. Natural England maintain an inventory of ancient woodlands. On the basis of the heritage review undertaken by HS2 Ltd, Natural England has confirmed that a number of woodlands of potential relevance to the assessment will be added to the AWI. These have additionally been mapped.	Natural England	© Natural England copyright. Contains Ordnance Survey data © Crown copyright and database right 2022 © Crown copyright. Reproduced by permission of Ordnance Survey Licence Number 100049190. Year of Publication 2022.
Community area boundary	The Environmental Statement has been split into sections called Community Areas.	High Speed Two (HS2) Ltd	© Crown copyright. Reproduced by permission of Ordnance Survey Licence Number 100049190. Year of Publication 2019.
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 2021.
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 2021.
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	

Legend features	Definition	Source	Copyright
Local Nature Reserve (LNR)	A Local Nature Reserve (LNR) is a statutory designation made under Section 21 of the National Parks and Access to the Countryside Act 1949 by principal local authorities. Data supplied has the status of Declared. The boundaries are interpreted from material gathered from the local authorities and does not currently cover all LNRs. This national dataset is indicative not definitive. Definitive information can only be provided by individual local authorities and you should refer directly to their information for all purposes that require the most up to date and complete dataset.	Natural England	© Natural England copyright. Contains Ordnance Survey data © Crown copyright and database right 2022.
Local Wildlife Sites (LWS)	Local Wildlife Sites (LWS) are identified and selected for their local nature conservation value. They protect threatened species and habitats acting as buffers, stepping stones and corridors between nationally-designated wildlife sites. They are local non-statutory nature conservation sites. They were formerly referred to as County Wildlife Sites.	Cheshire Biological Group Cheshire East Council Cheshire West and Chester Council Cheshire Wildlife Trust	© Cheshire Biological Group. © Cheshire East Council. © Cheshire West and Chester Council. © Cheshire Wildlife Trust. © Warrington Borough Council.
National Nature Reserve (NNR)	Designated and non-designated nature reserves managed by local authorities, The Wildlife Trusts and private landowners.	Natural England	© Natural England copyright. Contains Ordnance Survey data © Crown copyright and database right 2022.
Ramsar Site - Wetland of International Importance	A Ramsar Site is the land listed as a Wetland of International Importance under the Convention on Wetlands of International Importance Especially as Waterfowl Habitat (the Ramsar Convention) 1971. Data supplied has the status of "Listed".	Natural England	© Natural England copyright. Contains Ordnance Survey data © Crown copyright and database right 2022.
Route in tunnel	Represents the proposed route of HS2, split into route on surface and tunnelled sections.	High Speed Two (HS2) Ltd	
Route on surface	Represents the proposed route of HS2, split into route on surface and tunnelled sections.	High Speed Two (HS2) Ltd	
Site of Special Scientific Interest (SSSI)	A Site of Special Scientific Interest (SSSI) is the land notified as an SSSI under the Wildlife and Countryside Act (1981), as amended.	Natural England	© Natural England copyright. Contains Ordnance Survey data. © Crown copyright and database right 2022.
Sites of Biological Importance (SBI)	SBIs are non-statutory areas of substantive nature conservation importance within the county of Greater Manchester. The SBI system is designed to establish and highlight to planners, landowners and site managers where areas of high biodiversity interest occur so that appropriate decisions on planning applications, land use and land management can be made.	Cheshire East Council Greater Manchester Local Record Centre	© Cheshire East Council. © Greater Manchester Local Record Centre.
Special Area of Conservation (SAC)	A Special Area of Conservation (SAC) is the land designated under Directive 92/43/EEC on the Conservation of Natural Habitats and of Wild Fauna and Flora.	Natural England	© Natural England copyright. Contains Ordnance Survey data © Crown copyright and database right 2022.

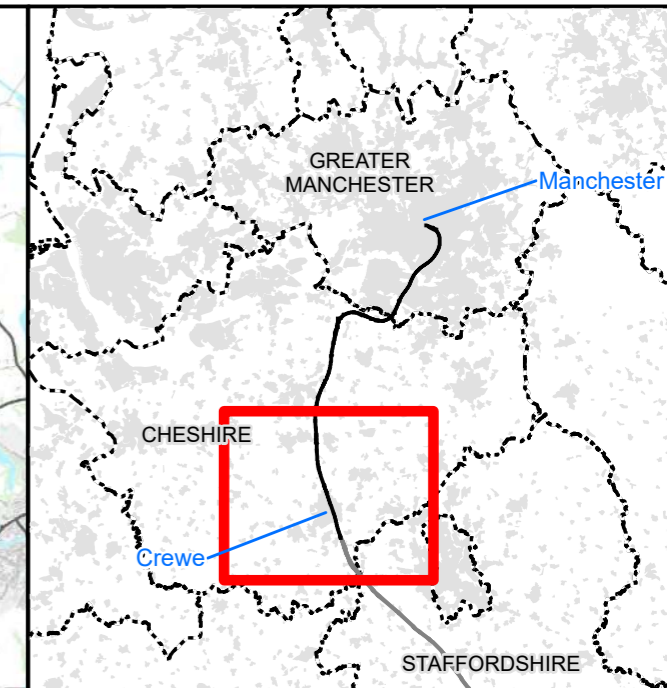
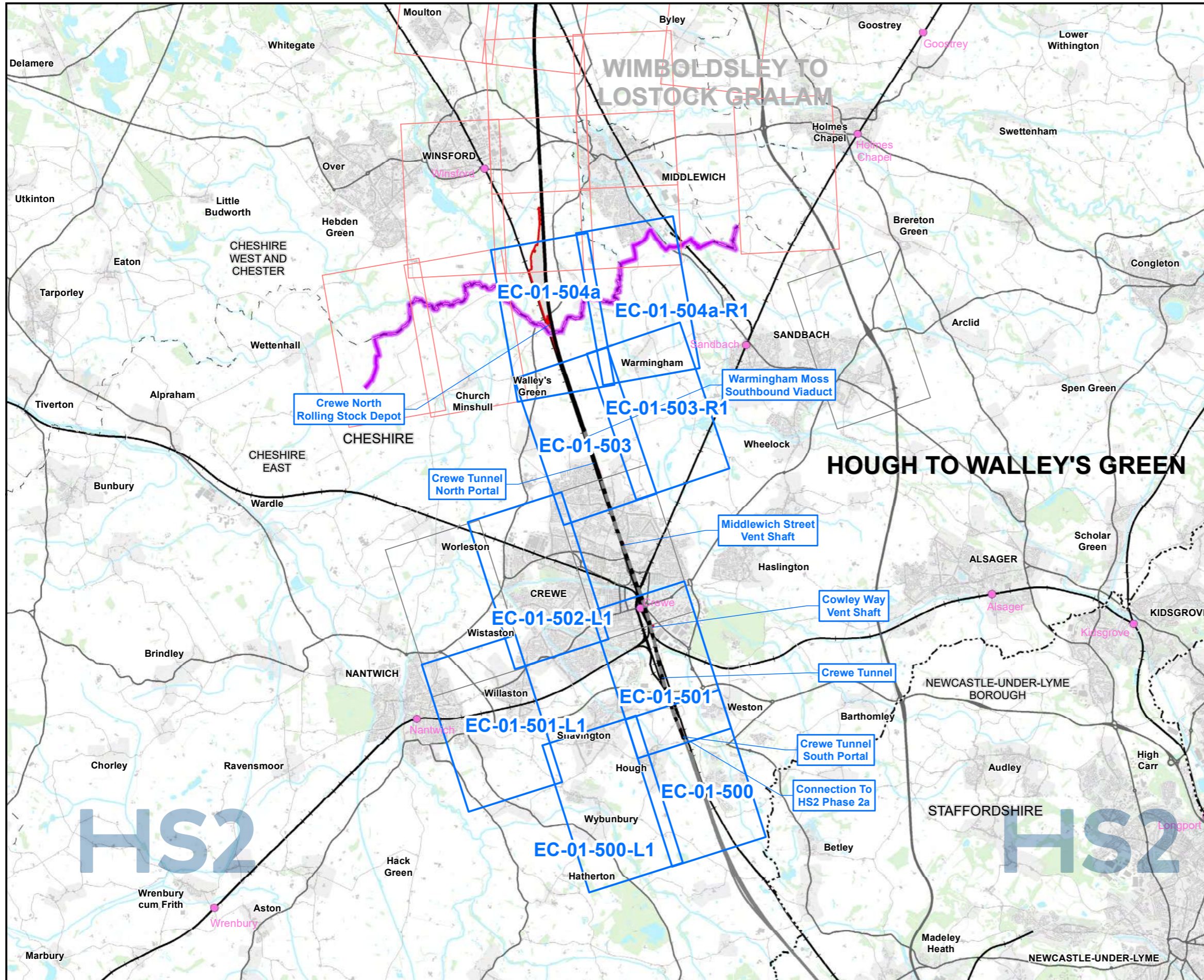
Legend features	Definition	Source	Copyright
Special Protection Area (SPA)	Special Protection Areas (SPAs) are strictly protected sites classified in accordance with Article 4 of the EC Birds Directive, which came into force in April 1979. They are classified for rare and vulnerable birds (as listed on Annex I of the Directive), and for regularly occurring migratory species.	Natural England	© Natural England copyright. Contains Ordnance Survey data © Crown copyright and database right 2022.
Water body	Any mass of water having definite hydrological, physical, chemical and biological characteristics.	Ordnance Survey	© Crown copyright. Reproduced by permission of Ordnance Survey Licence Number 100049190. Year of Publication 2022.
Watercourse	Any channel through which water flows, can be natural or manmade. They are split into two categories (main rivers or ordinary watercourses) in England and Wales for regulation purposes.	Ordnance Survey	© Crown copyright. Reproduced by permission of Ordnance Survey Licence Number 100049190. Year of Publication 2022.
Woodland (verified by survey)	Woodland areas derived from Ordnance Survey MasterMap data, limited in extent to 500m from the CCB.	High Speed Two (HS2) Ltd	

High Speed Rail (Crewe – Manchester)

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

MA01: Hough to Walley's Green

EC-01 – Designated Sites



Map Series Information:

This map series shows statutory and non-statutory sites for nature conservation located in the vicinity of the land required for the construction of the Proposed Scheme. They also show the location of Nature Reserves of the RSPB and Wildlife Trusts, and ancient woodland.

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

Map Number	EC-01-INDEX-MA01
Map Name	Index Map of: Designated Sites SES2 and AP2 ES
	Community Area MA01: Hough to Walley's Green

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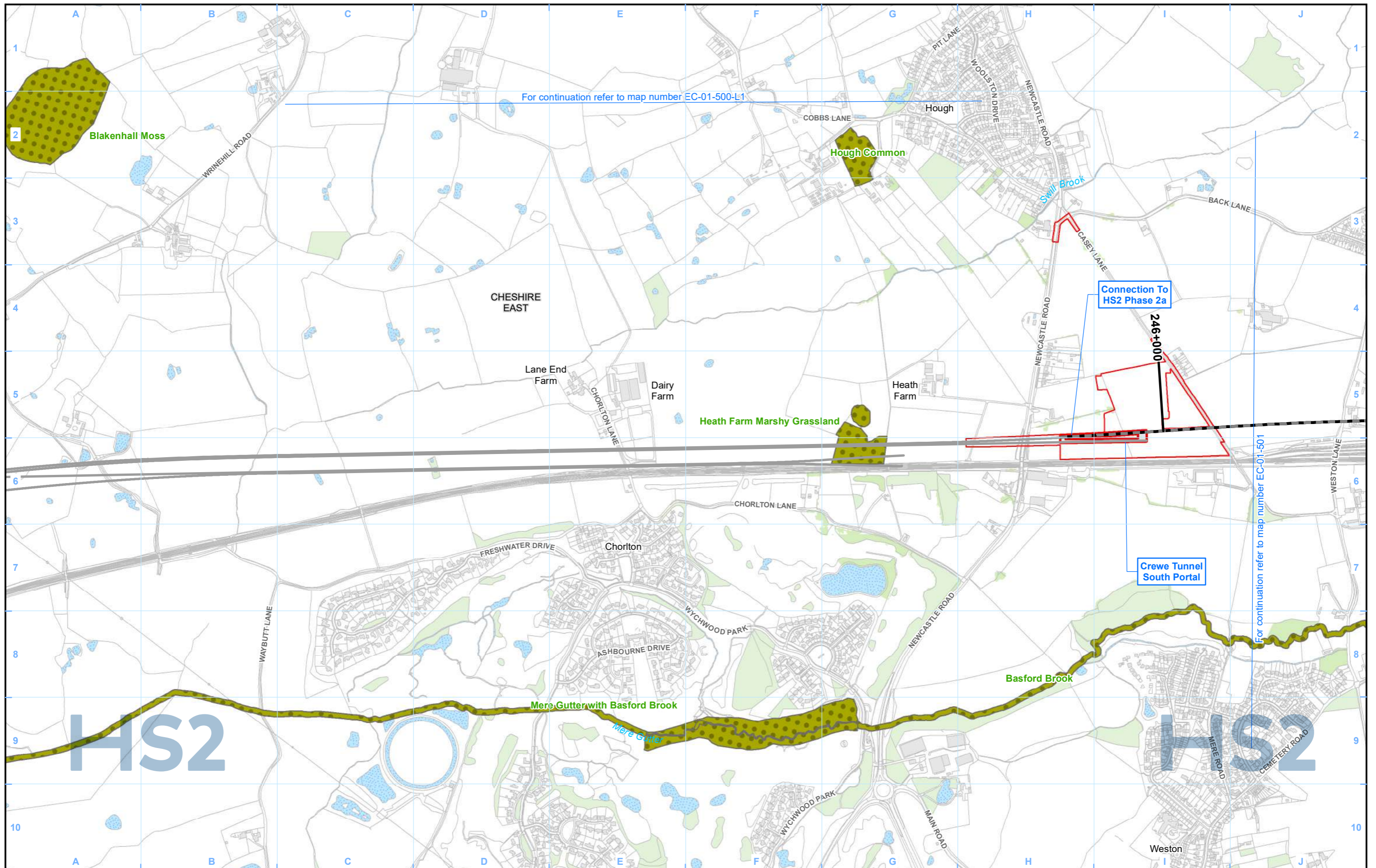
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Date: 03/04/23

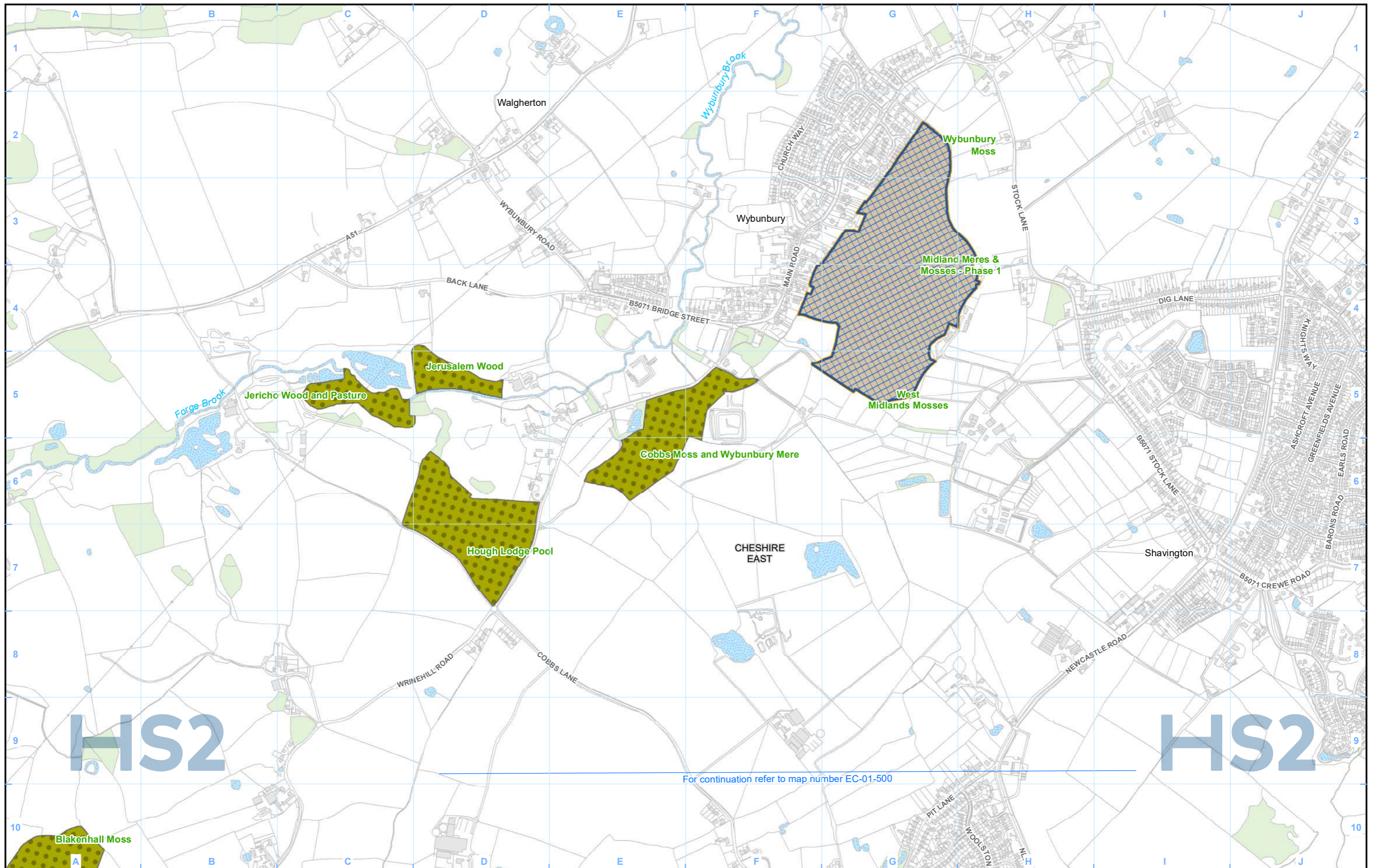
Note: Not all data layers in the legend are represented on every map.



For continuation refer to map number EC-01-500-L1

For continuation refer to map number EC-01-501

Legend Route in tunnel Route on surface Depot, station, headhouse or portal building Land potentially required during construction Community area boundary County boundary District/Borough boundary		Watercourse Water body Woodland (verified by survey) Site of Special Scientific Interest (SSSI) Special Protection Area (SPA) Special Area of Conservation (SAC) Local Nature Reserve (LNR)		Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI) National Nature Reserve (NNR) Ancient woodland Ramsar Site - Wetland of International Importance		<p>N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.</p>	
Map Number EC-01-500				<p>Registered in England. Registration number 06791686. Registered office: Two Snowhill, Snow Hill Queensway, Birmingham B4 6GA.</p>			
Map Name Designated Sites SES2 and AP2 ES		<p>Scale at A3: 1:10,000</p>					
Community Area MA01: Hough to Walley's Green		<p>© Crown copyright and database rights 2023 OS 100049190</p>		<p>Doc Number: 2PT27-MWJ-EV-MAP-M000-003588-P01</p>			
				<p>Date: 28/03/23</p>			



HS2

HS2

For continuation refer to map number EC-01-500

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

- Watercourse
- Water body
- Woodland (verified by survey)
- Site of Special Scientific Interest (SSSI)
- Special Protection Area (SPA)
- Special Area of Conservation (SAC)
- Local Nature Reserve (LNR)

- Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI)
- National Nature Reserve (NNR)
- Ancient woodland
- Ramsar Site - Wetland of International Importance

N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.

Map Number	EC-01-500-L1
Map Name	Designated Sites SES2 and AP2 ES
	Community Area MA01: Hough to Walley's Green

HS2

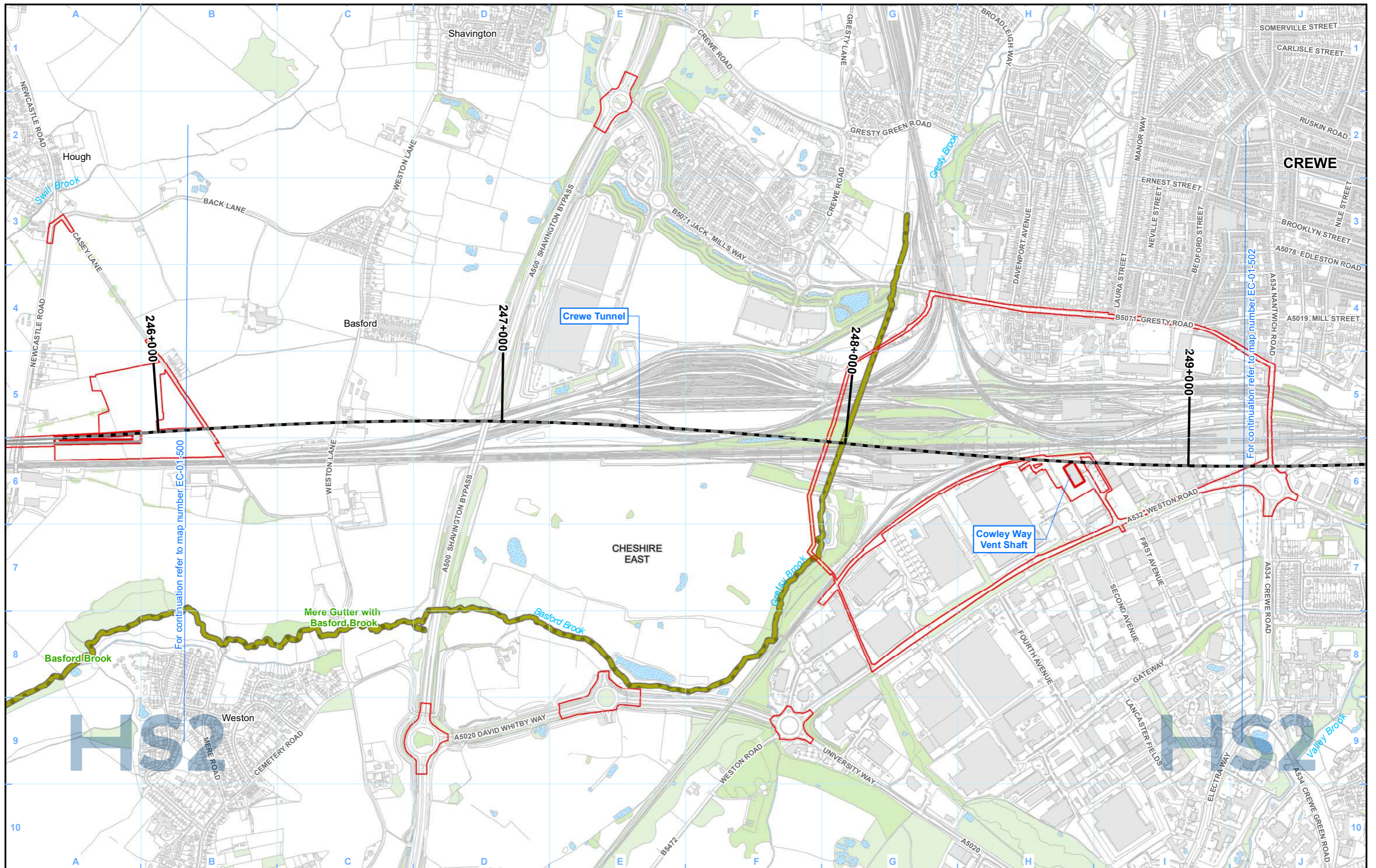
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- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Land potentially required during construction
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland (verified by survey)
- Site of Special Scientific Interest (SSSI)
- Special Protection Area (SPA)
- Special Area of Conservation (SAC)
- Local Nature Reserve (LNR)

- Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI)
- National Nature Reserve (NNR)
- Ancient woodland
- Ramsar Site - Wetland of International Importance

N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.

Map Number	EC-01-501
Map Name	Designated Sites SES2 and AP2 ES
	Community Area MA01: Hough to Walley's Green

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Metres

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

- Watercourse
- Water body
- Woodland (verified by survey)
- Site of Special Scientific Interest (SSSI)
- Special Protection Area (SPA)
- Special Area of Conservation (SAC)
- Local Nature Reserve (LNR)

- Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI)
- National Nature Reserve (NNR)
- Ancient woodland
- Ramsar Site - Wetland of International Importance

N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.

Map Number: EC-01-501-L1
 Map Name: Designated Sites SES2 and AP2 ES
 Community Area MA01: Hough to Walley's Green

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For continuation refer to map number EC-01-502-L2

For continuation refer to map number EC-01-502



- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Land potentially required during construction
 - Community area boundary
 - County boundary
 - District/Borough boundary
 - Watercourse
 - Water body
 - Woodland (verified by survey)
 - Site of Special Scientific Interest (SSSI)
 - Special Protection Area (SPA)
 - Special Area of Conservation (SAC)
 - Local Nature Reserve (LNR)
 - Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI)
 - National Nature Reserve (NNR)
 - Ancient woodland
 - Ramsar Site - Wetland of International Importance

N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.

Map Number EC-01-502-L1

Map Name Designated Sites SES2 and AP2 ES

Community Area MA01: Hough to Walley's Green

HS2

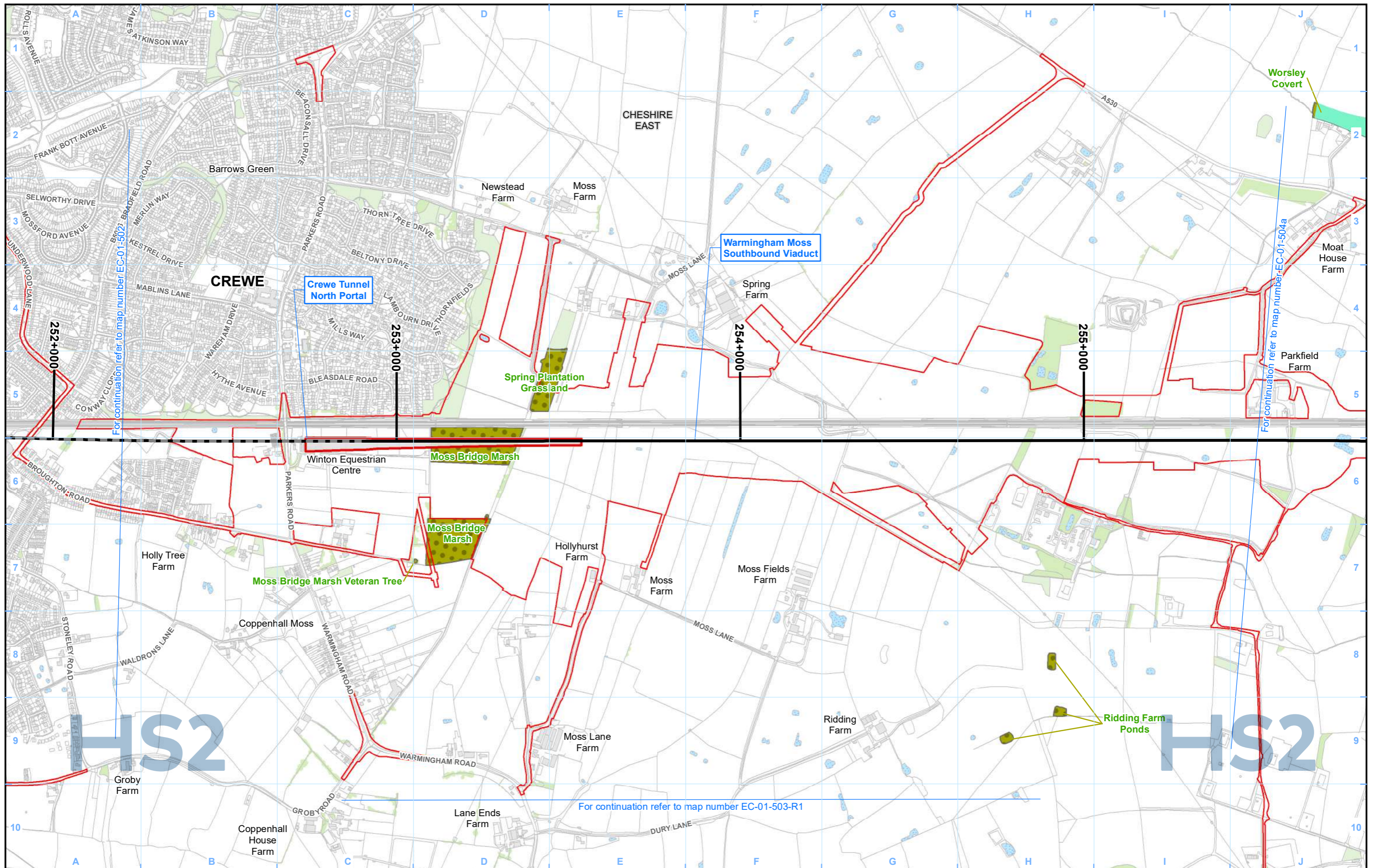
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Legend

N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.

Map Number	EC-01-503
Map Name	Designated Sites SES2 and AP2 ES
	Community Area MA01: Hough to Walley's Green

HS2

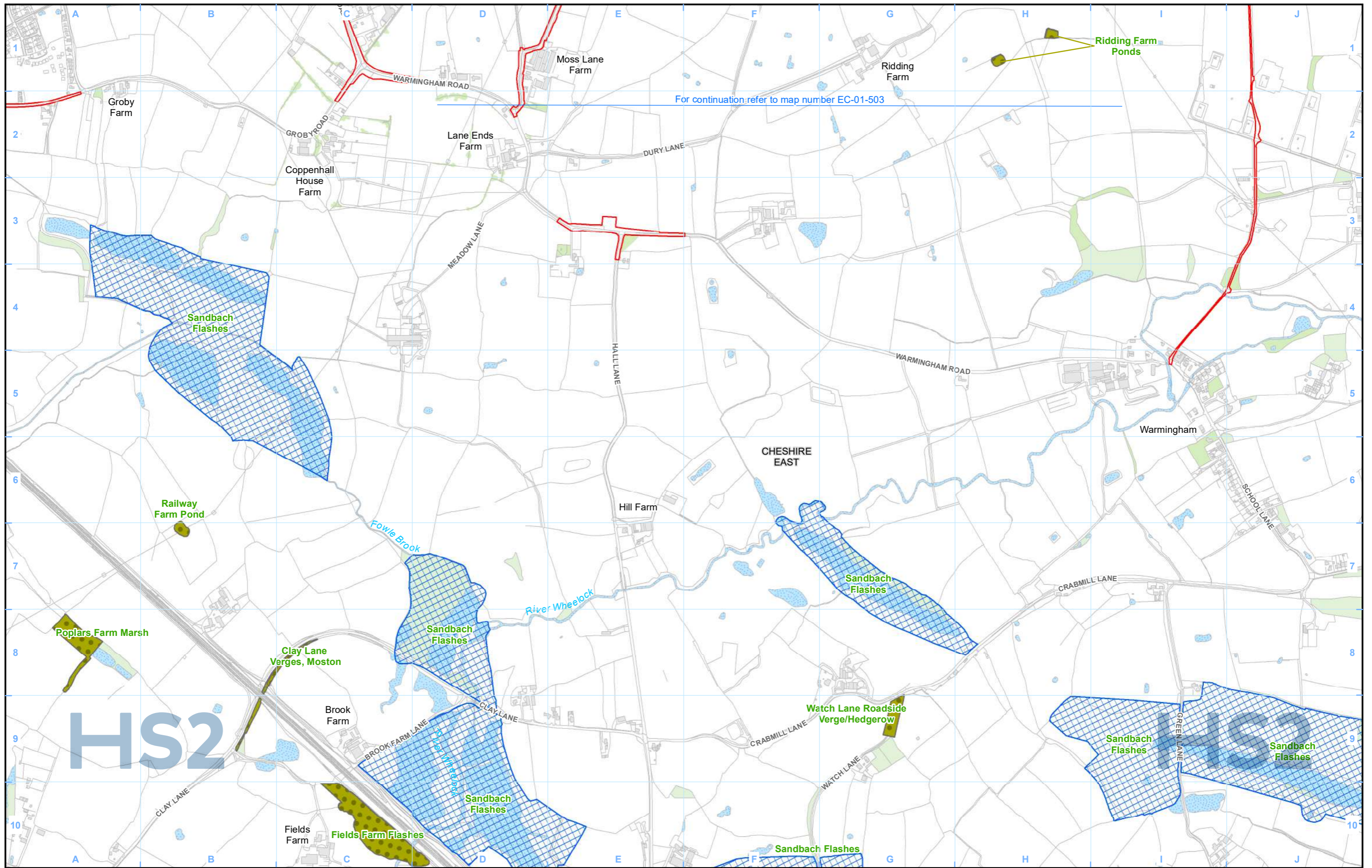
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For continuation refer to map number EC-01-503

HS2

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

- Watercourse
- Water body
- Woodland (verified by survey)
- Site of Special Scientific Interest (SSSI)
- Special Protection Area (SPA)
- Special Area of Conservation (SAC)
- Local Nature Reserve (LNR)

- Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI)
- National Nature Reserve (NNR)
- Ancient woodland
- Ramsar Site - Wetland of International Importance

N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.

Map Number: EC-01-503-R1

Map Name: Designated Sites SES2 and AP2 ES

Community Area MA01: Hough to Walley's Green

HS2

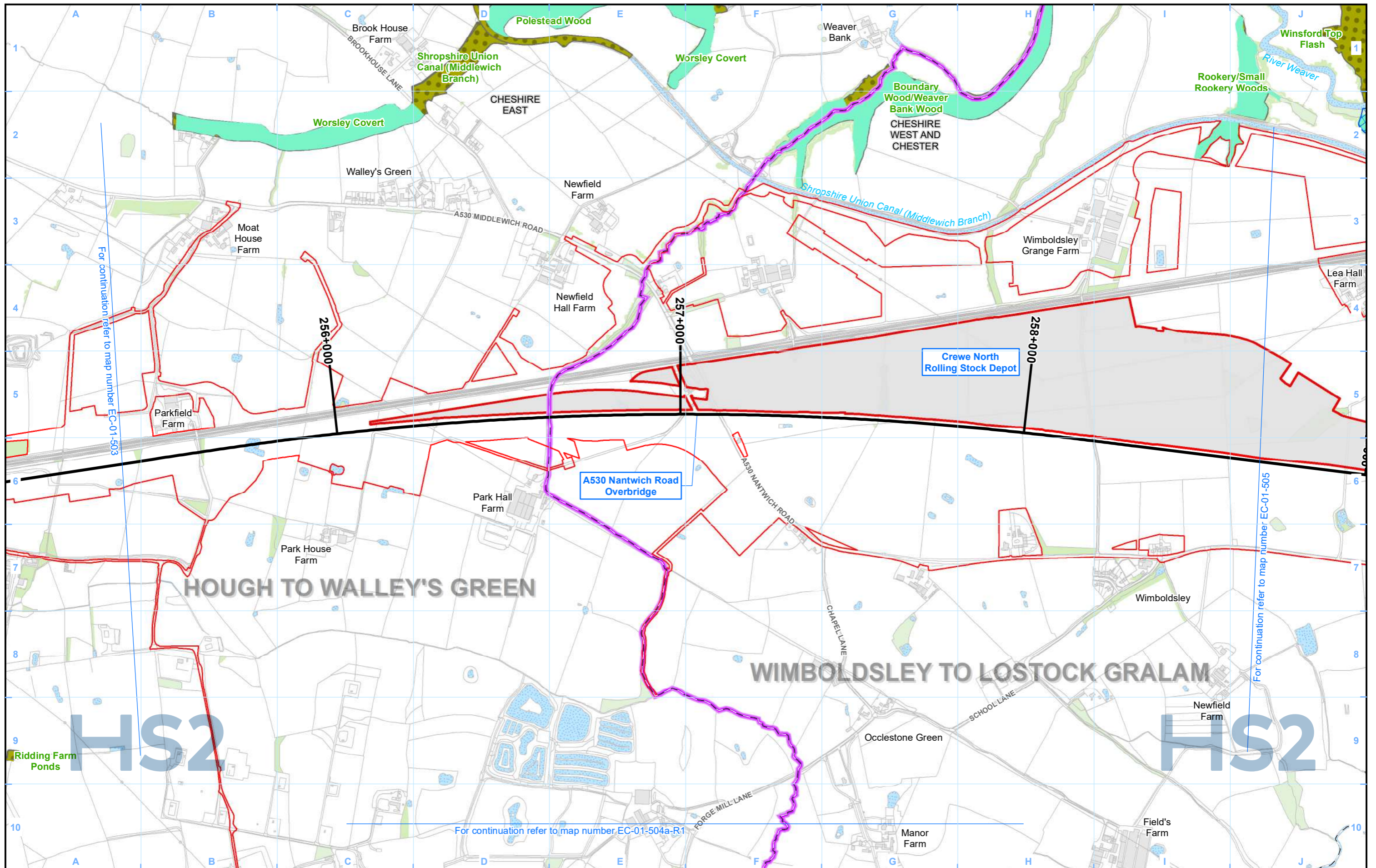
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- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Land potentially required during construction
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland (verified by survey)
- Site of Special Scientific Interest (SSSI)
- Special Protection Area (SPA)
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- Local Nature Reserve (LNR)

- Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI)
- National Nature Reserve (NNR)
- Ancient woodland
- Ramsar Site - Wetland of International Importance

N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.

Map Number	EC-01-504a
Map Name	Designated Sites SES2 and AP2 ES
	Community Area MA01: Hough to Walley's Green

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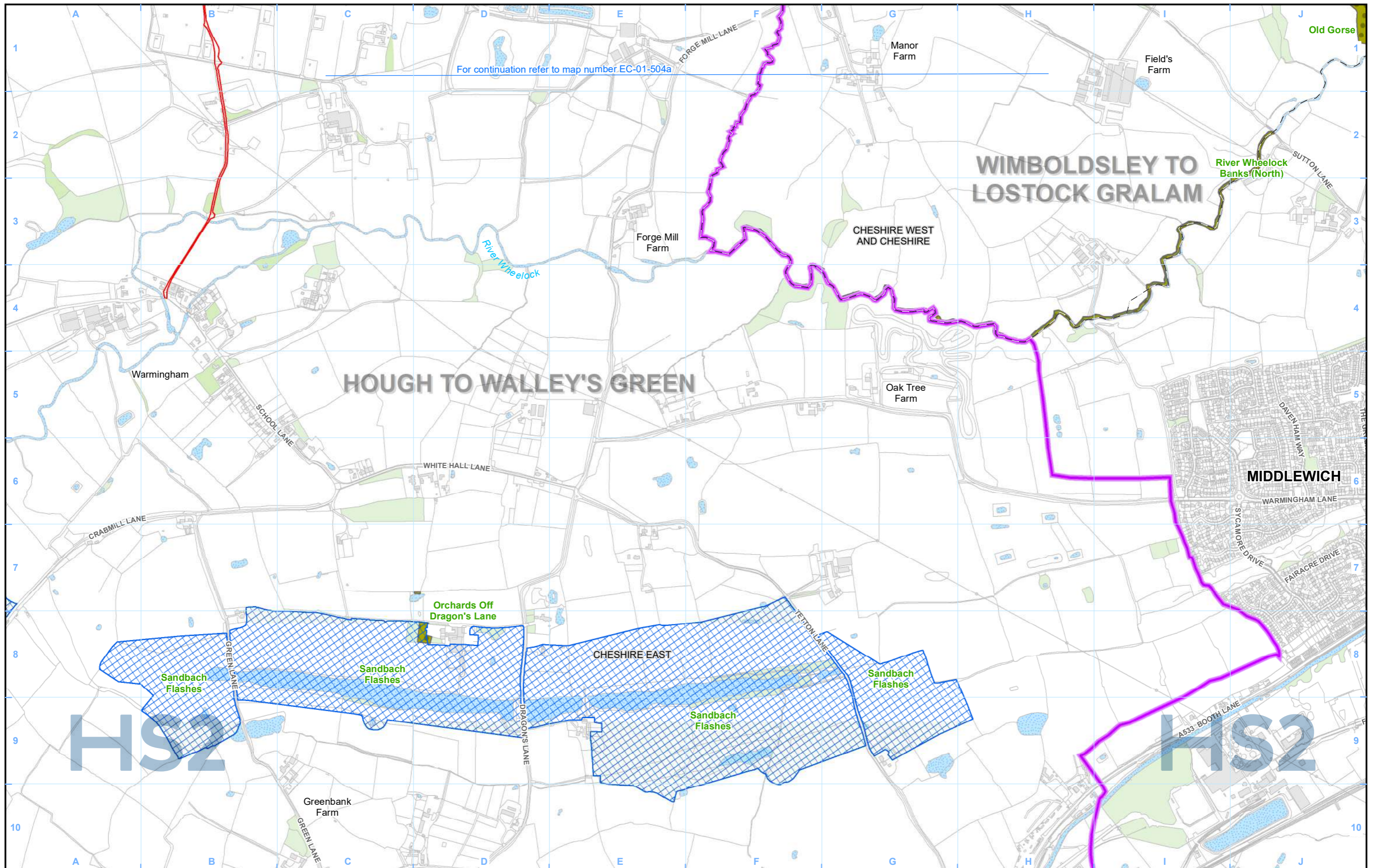
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Date: 28/03/23

Scale at A3: 1:10,000

0 100 200 300 400 Metres



For continuation refer to map number EC-01-504a

WIMBOLDSLEY TO LOSTOCK GRALAM

HOUGH TO WALLEY'S GREEN

Legend	
	Route in tunnel
	Route on surface
	Depot, station, headhouse or portal building
	Land potentially required during construction
	Community area boundary
	County boundary
	District/Borough boundary
	Watercourse
	Water body
	Woodland (verified by survey)
	Site of Special Scientific Interest (SSSI)
	Special Protection Area (SPA)
	Special Area of Conservation (SAC)
	Local Nature Reserve (LNR)

	Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI)
	National Nature Reserve (NNR)
	Ancient woodland
	Ramsar Site - Wetland of International Importance

N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.

Map Number	EC-01-504a-R1
Map Name	Designated Sites SES2 and AP2 ES
	Community Area MA01: Hough to Walley's Green

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Date: 28/03/23

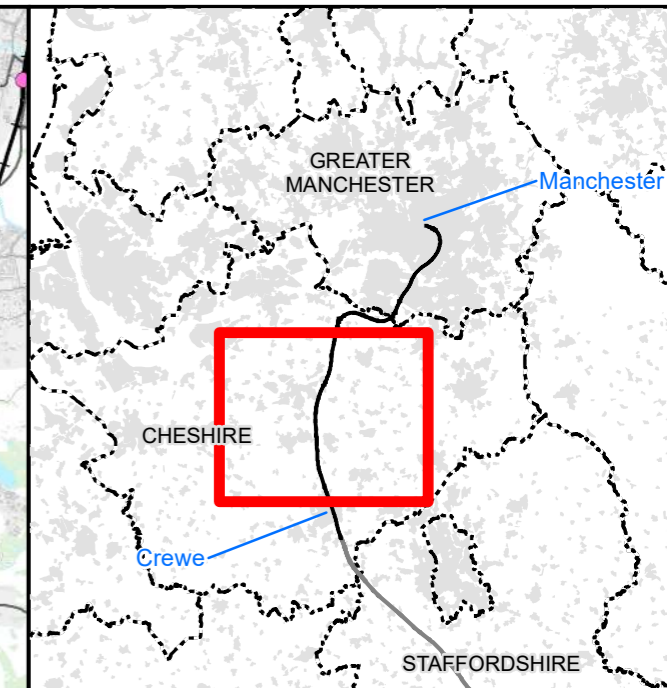
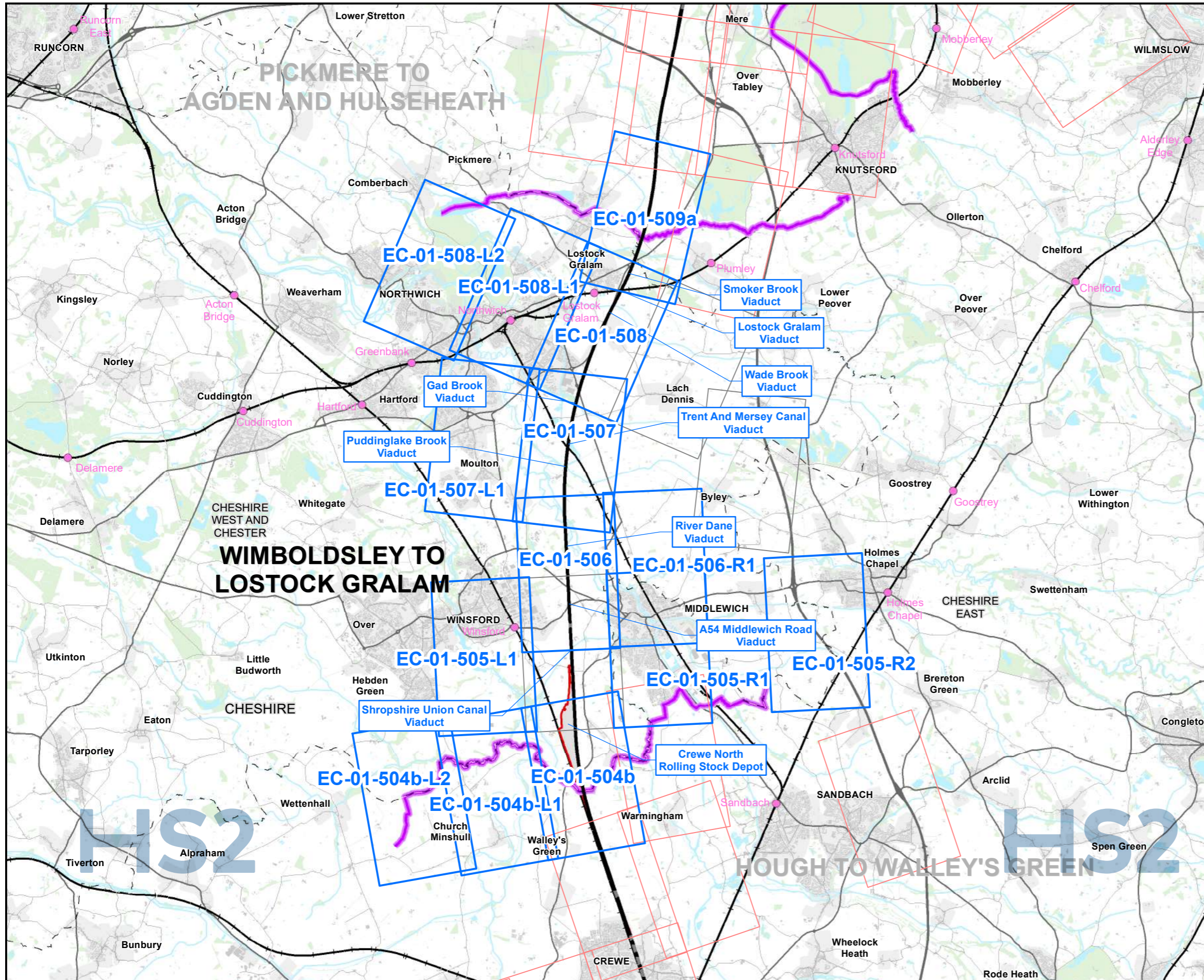
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High Speed Rail (Crewe – Manchester)

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

MA02: Wimboldsley to Lostock Gralam

EC-01 – Designated Sites



Map Series Information:

This map series shows statutory and non-statutory sites for nature conservation located in the vicinity of the land required for the construction of the Proposed Scheme. They also show the location of Nature Reserves of the RSPB and Wildlife Trusts, and ancient woodland.

Main Map Legend

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

Map Number	EC-01-INDEX-MA02
Map Name	Index Map of: Designated Sites SES2 and AP2 ES Community Area MA02: Wimboldsley to Lostock Gralam

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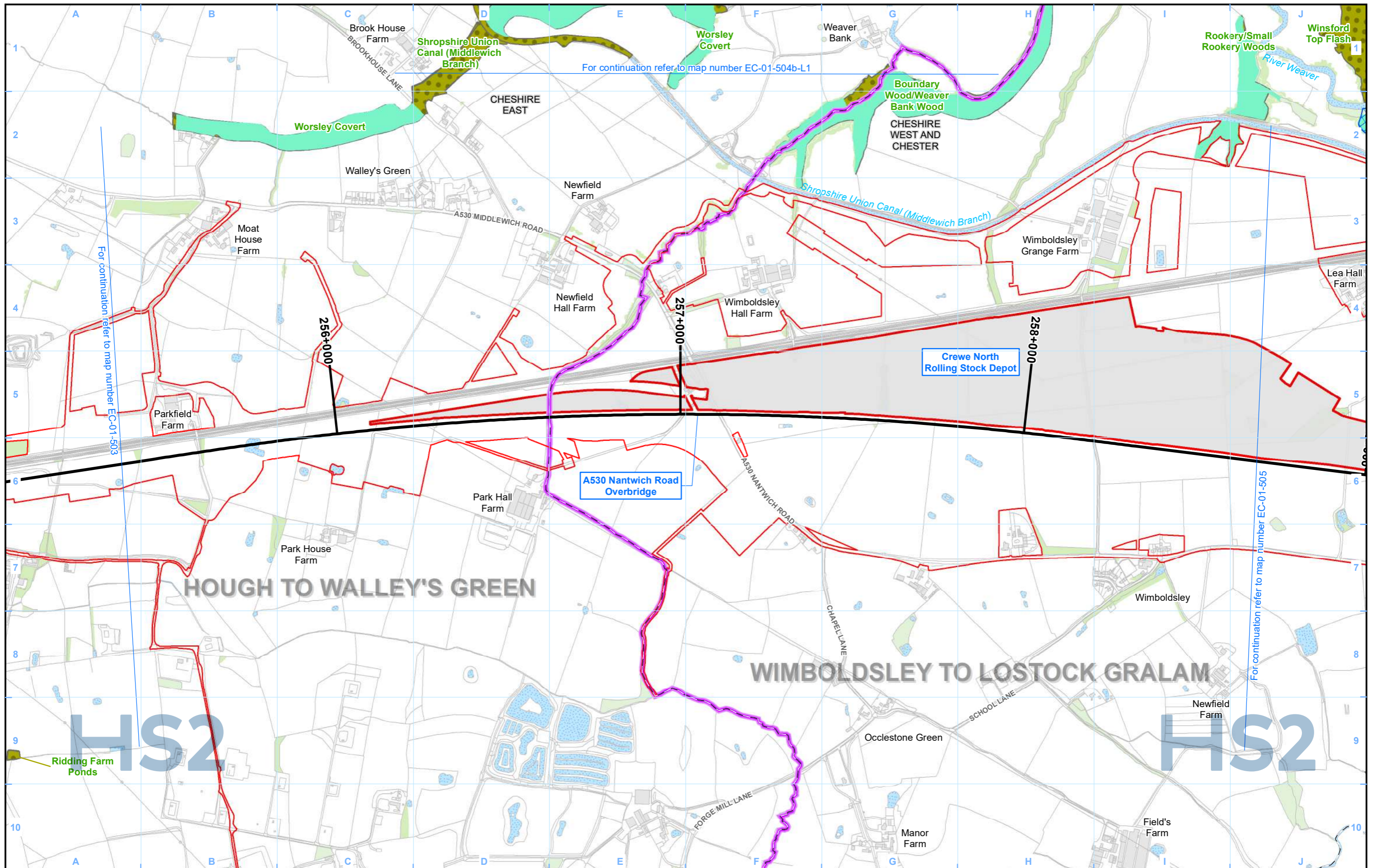
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Doc Number: 2PT27-MWJ-EV-MAP-M000-000760-P01

Date: 23/03/23

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



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

- Watercourse
- Water body
- Woodland (verified by survey)
- Site of Special Scientific Interest (SSSI)
- Special Protection Area (SPA)
- Special Area of Conservation (SAC)
- Local Nature Reserve (LNR)

- Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI)
- National Nature Reserve (NNR)
- Ancient woodland
- Ramsar Site - Wetland of International Importance

N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.

Map Number	EC-01-504b
Map Name	Designated Sites SES2 and AP2 ES
	Community Area MA02: Wimboldsley to Lostock Gralam

HS2

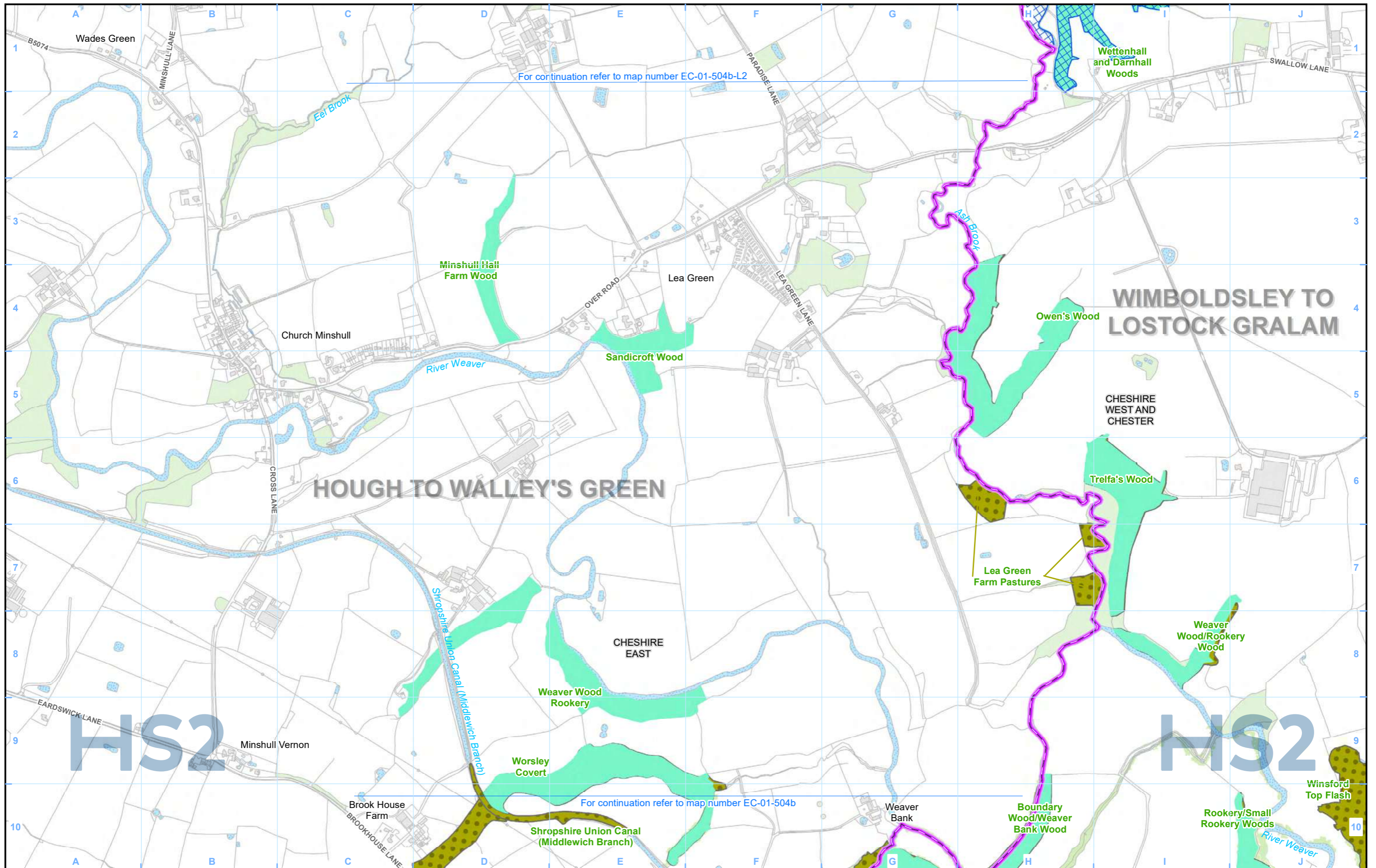
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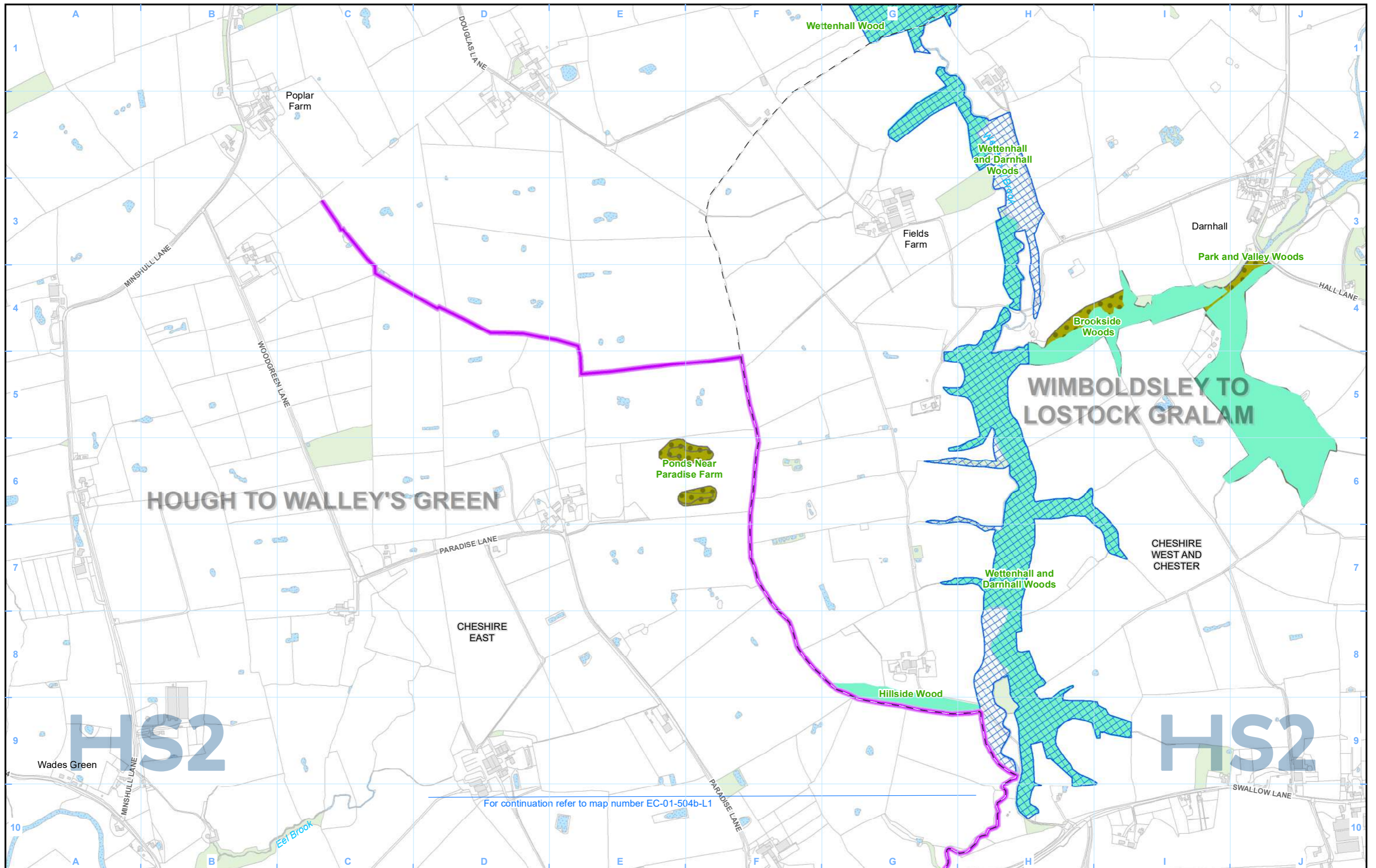
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Doc Number: 2PT27-MWJ-EV-MAP-M000-000728-P01

Date: 23/03/23



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 area boundary County boundary District/Borough boundary Watercourse Water body Woodland (verified by survey) Site of Special Scientific Interest (SSSI) Special Protection Area (SPA) Special Area of Conservation (SAC) Local Nature Reserve (LNR) Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI) National Nature Reserve (NNR) Ancient woodland Ramsar Site - Wetland of International Importance 		<p>N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.</p>	<p>Map Number: EC-01-504b-L1</p> <p>Map Name: Designated Sites SES2 and AP2 ES</p> <p>Community Area MA02: Wimboldsley to Lostock Gralam</p>	<p>HS2</p> <p>Registered in England. Registration number 06791686. Registered office: Two Snowhill, Snow Hill Queensway, Birmingham B4 6GA.</p> <p>© Crown copyright and database rights 2023 OS 100049190</p> <p>Doc Number: 2PT27-MWJ-EV-MAP-M000-002598-P01</p>	<p>Scale at A3: 1:10,000</p> <p>Metres</p> <p>Date: 06/04/23</p>
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Legend

	Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI)
	National Nature Reserve (NNR)
	Ancient woodland
	Ramsar Site - Wetland of International Importance
	Special Area of Conservation (SAC)
	Local Nature Reserve (LNR)

N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.

Map Number	EC-01-504b-L2
Map Name	Designated Sites SES2 and AP2 ES
	Community Area MA02: Wimboldsley to Lostock Gralam

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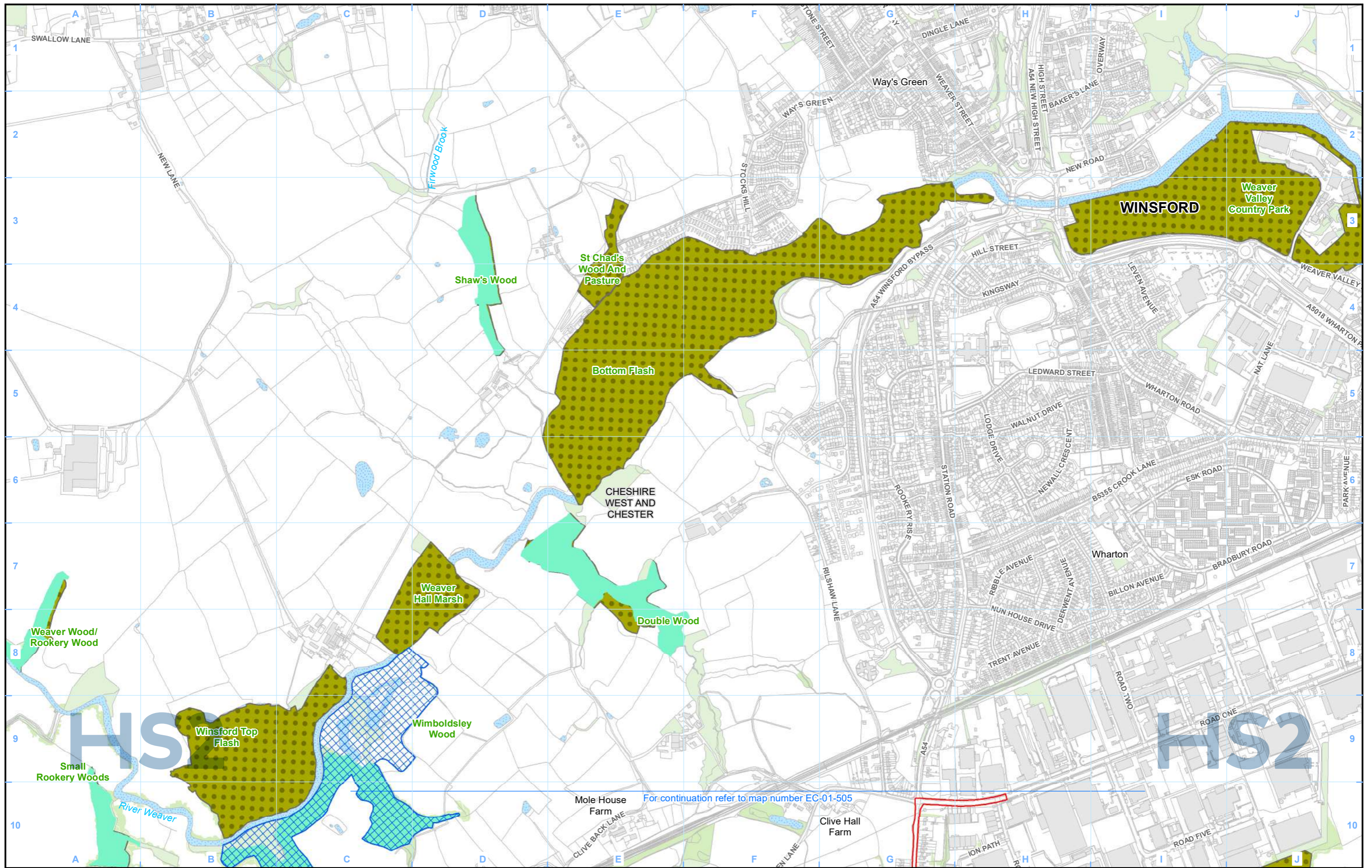
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Date: 23/03/23

Scale at A3: 1:10,000

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Legend

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Map Number	EC-01-505-L1
Map Name	Designated Sites SES2 and AP2 ES
	Community Area MA02: Wimboldsley to Lostock Gram

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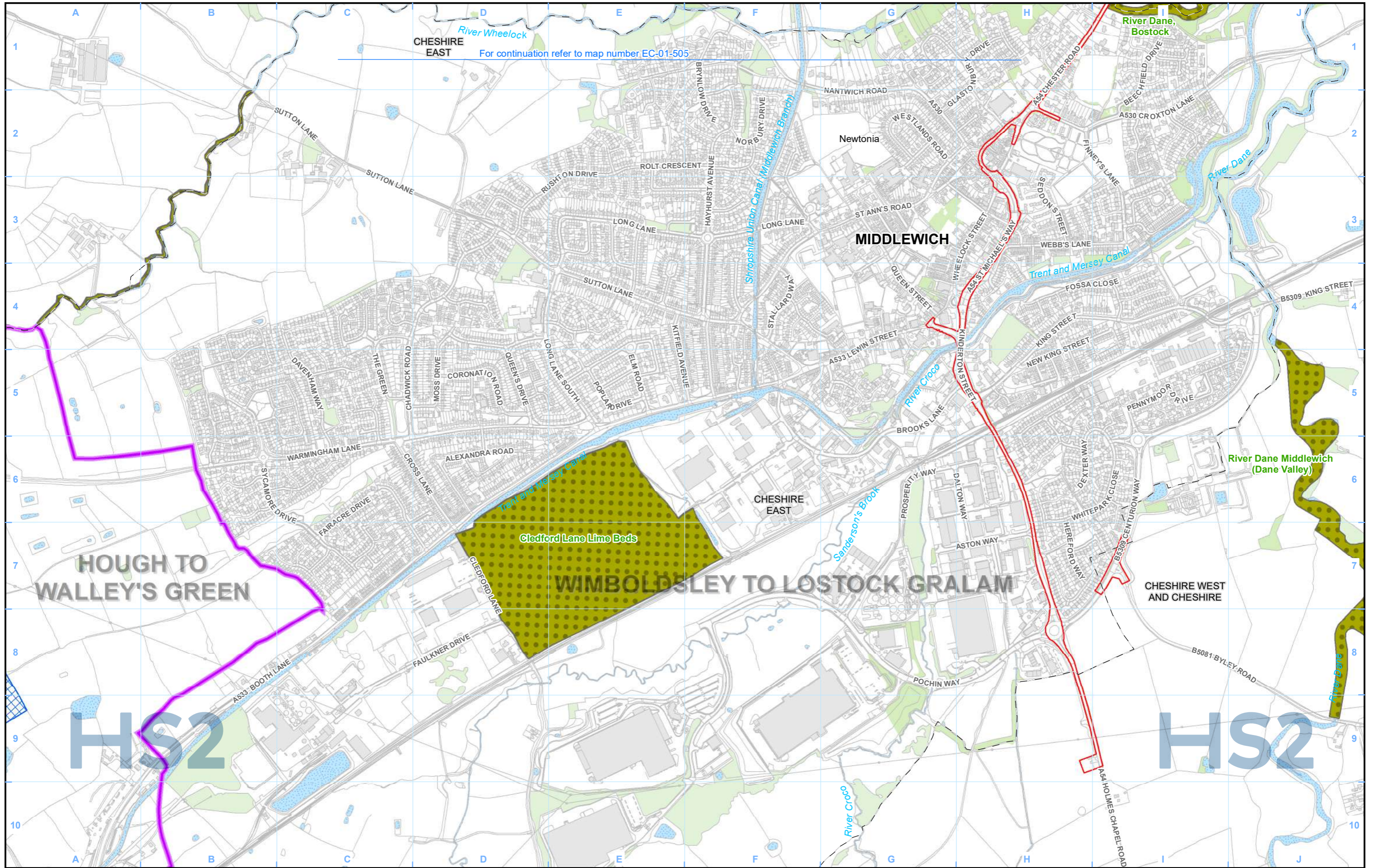
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Doc Number: 2PT27-MWJ-EV-MAP-M000-002600-P01

Date: 23/03/23

Scale at A3: 1:10,000

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Legend

	Route in tunnel		Watercourse
	Route on surface		Water body
	Depot, station, headhouse or portal building		Woodland (verified by survey)
	Land potentially required during construction		Site of Special Scientific Interest (SSSI)
	Community area boundary		Special Protection Area (SPA)
	County boundary		Special Area of Conservation (SAC)
	District/Borough boundary		Local Nature Reserve (LNR)

	Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI)
	National Nature Reserve (NNR)
	Ancient woodland
	Ramsar Site - Wetland of International Importance

N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.

Map Number: EC-01-505-R1
 Map Name: Designated Sites SES2 and AP2 ES
 Community Area MA02: Wimboldsley to Lostock Gralam

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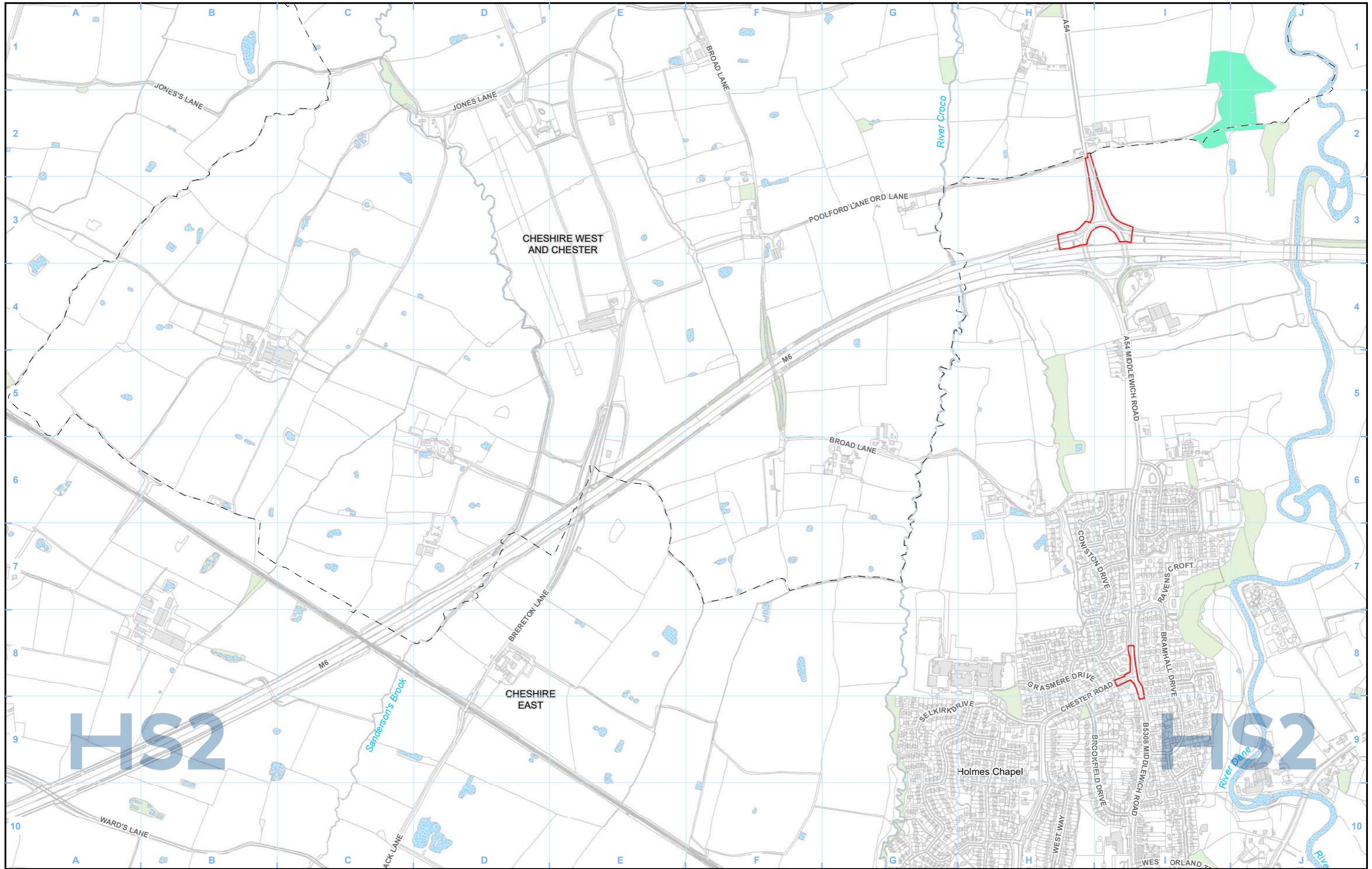
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Date: 23/03/23

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Legend

	Route in tunnel		Watercourse		Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI)
	Route on surface		Water body		National Nature Reserve (NNR)
	Depot, station, headhouse or portal building		Woodland (verified by survey)		Ancient woodland
	Land potentially required during construction		Site of Special Scientific Interest (SSSI)		Ramsar Site - Wetland of International Importance
	Community area boundary		Special Protection Area (SPA)		Special Area of Conservation (SAC)
	County boundary		Local Nature Reserve (LNR)		
	District/Borough boundary				

N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.

Map Number EC-01-505-R2

Map Name **Designated Sites SES2 and AP2 ES**

Community Area MA02: Wimboldsley to Lostock Glam

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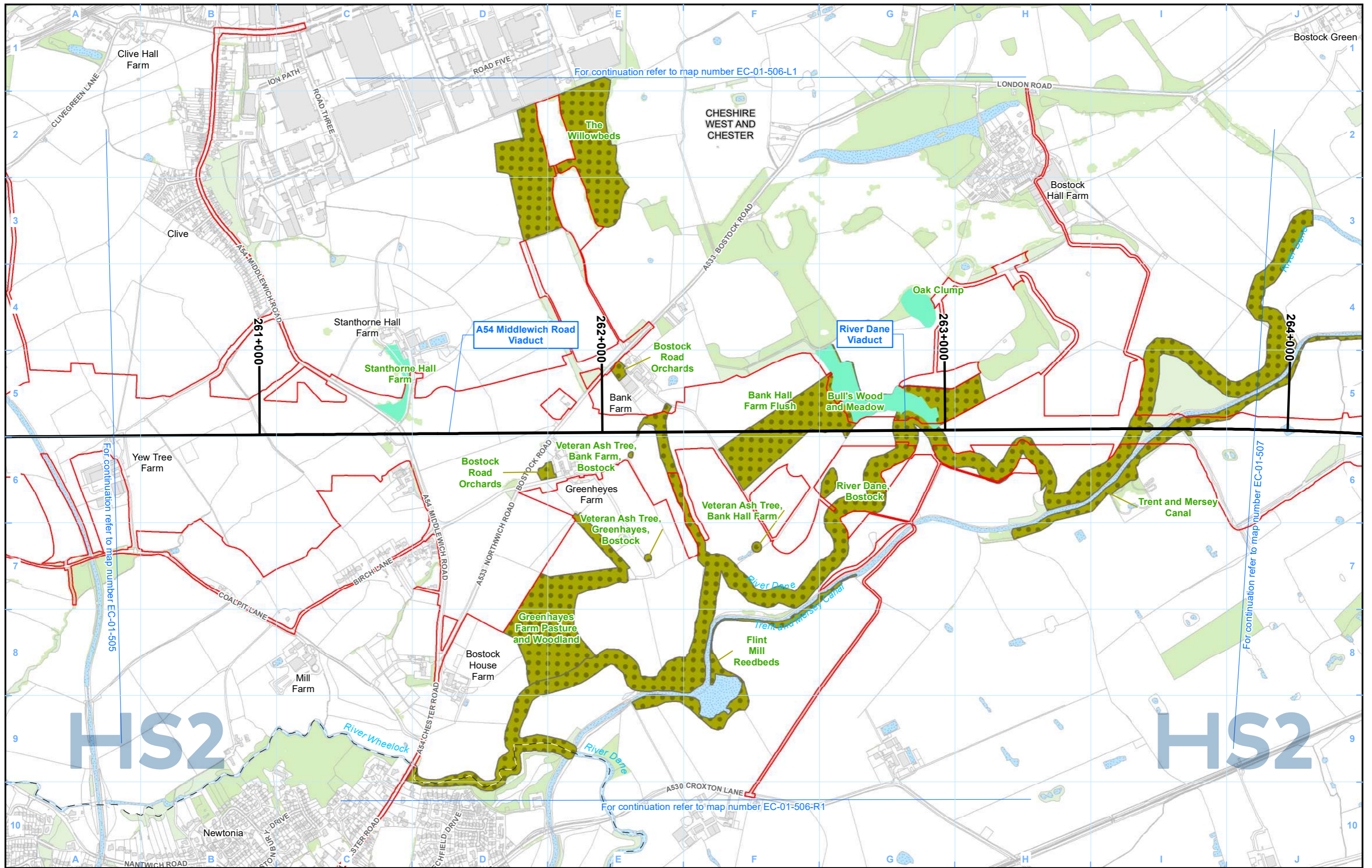
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Scale at A3: 1:10,000

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Date: 23/03/23

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For continuation refer to map number EC-01-506-L1

For continuation refer to map number EC-01-505

For continuation refer to map number EC-01-507

For continuation refer to map number EC-01-506-R1

Legend

Route in tunnel	Watercourse	Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI)
Route on surface	Water body	National Nature Reserve (NNR)
Depot, station, headhouse or portal building	Woodland (verified by survey)	Ancient woodland
Land potentially required during construction	Site of Special Scientific Interest (SSSI)	Ramsar Site - Wetland of International Importance
Community area boundary	Special Protection Area (SPA)	Special Area of Conservation (SAC)
County boundary	Local Nature Reserve (LNR)	
District/Borough boundary		

N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.

Map Number	EC-01-506
Map Name	Designated Sites SES2 and AP2 ES
	Community Area MA02: Wimboldsley to Lostock Gramam

HS2

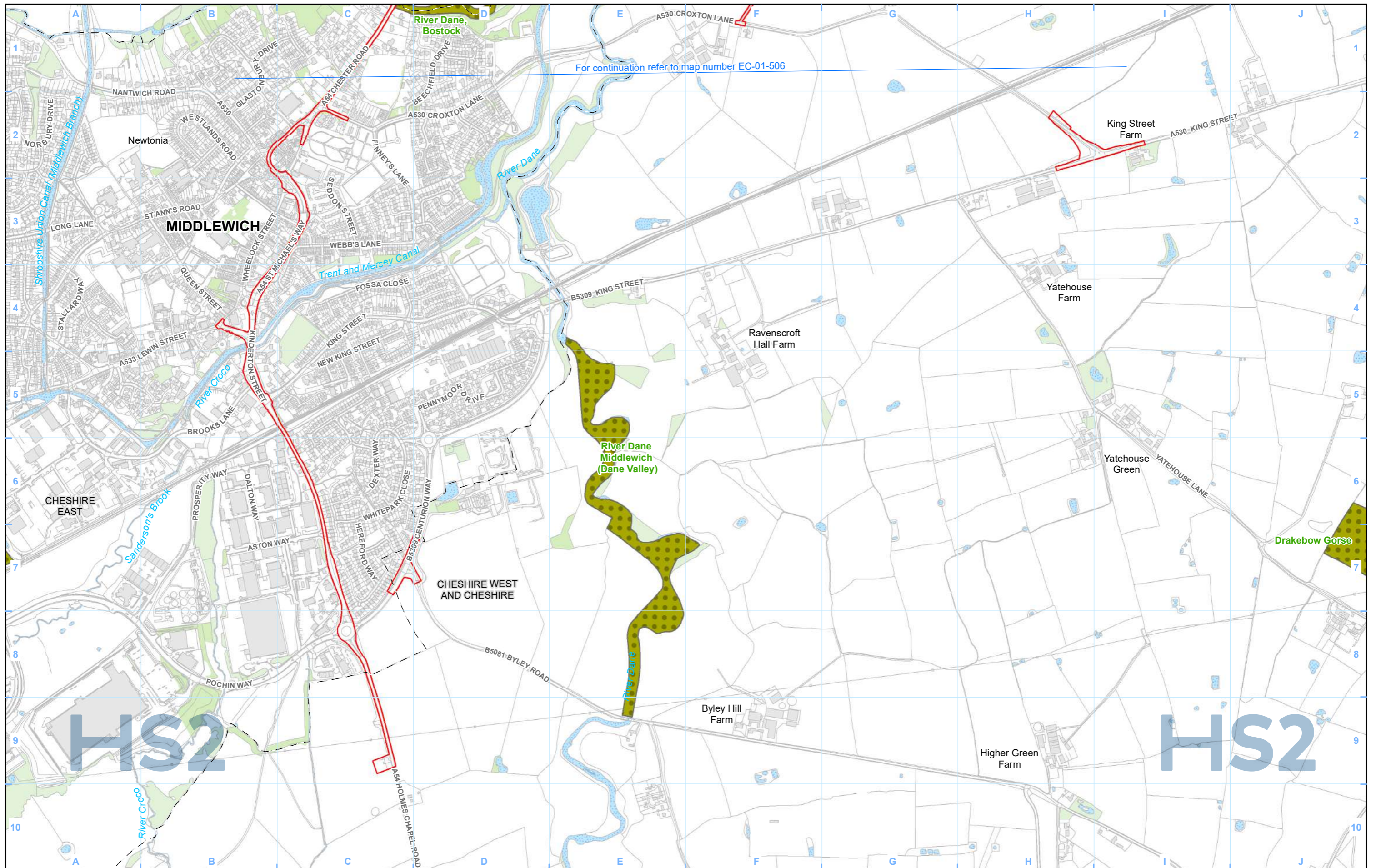
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Date: 12/04/23



For continuation refer to map number EC-01-506

Legend	
	Route in tunnel
	Route on surface
	Depot, station, headhouse or portal building
	Land potentially required during construction
	Community area boundary
	County boundary
	District/Borough boundary
	Watercourse
	Water body
	Woodland (verified by survey)
	Site of Special Scientific Interest (SSSI)
	Special Protection Area (SPA)
	Special Area of Conservation (SAC)
	Local Nature Reserve (LNR)
	Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI)
	National Nature Reserve (NNR)
	Ancient woodland
	Ramsar Site - Wetland of International Importance

N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.

Map Number	EC-01-506-R1
Map Name	Designated Sites SES2 and AP2 ES
	Community Area MA02: Wimboldsley to Lostock Gram

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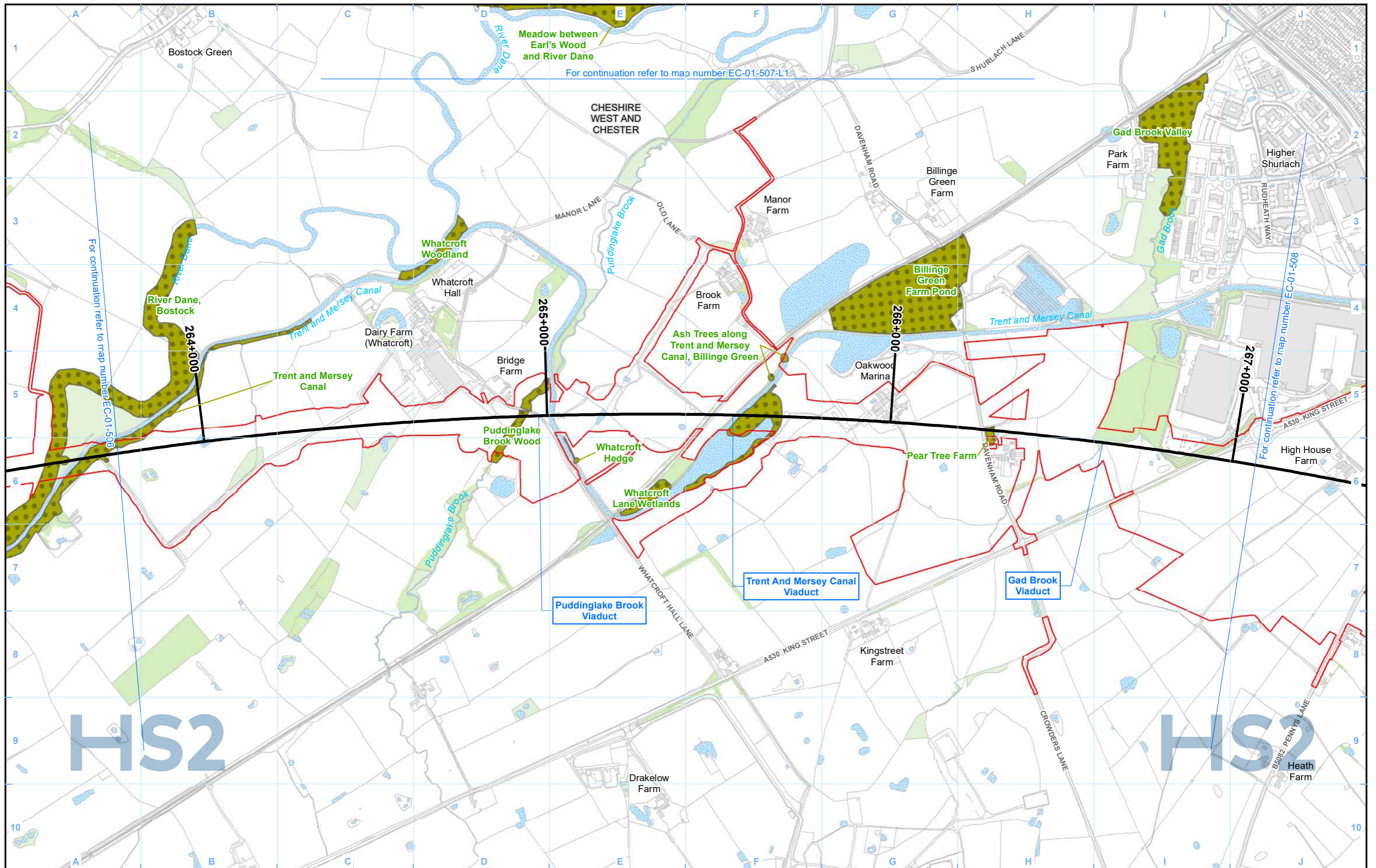
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Doc Number: 2PT27-MWJ-EV-MAP-M000-003673-P01

Scale at A3: 1:10,000

Metres

Date: 23/03/23



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

- Watercourse
- Water body
- Woodland (verified by survey)
- Site of Special Scientific Interest (SSSI)
- Special Protection Area (SPA)
- Special Area of Conservation (SAC)
- Local Nature Reserve (LNR)

- Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI)
- National Nature Reserve (NNR)
- Ancient woodland
- Ramsar Site - Wetland of International Importance

N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.

Map Number	EC-01-507
Map Name	Designated Sites SES2 and AP2 ES
	Community Area MA02: Wimboldsley to Lostock Gram

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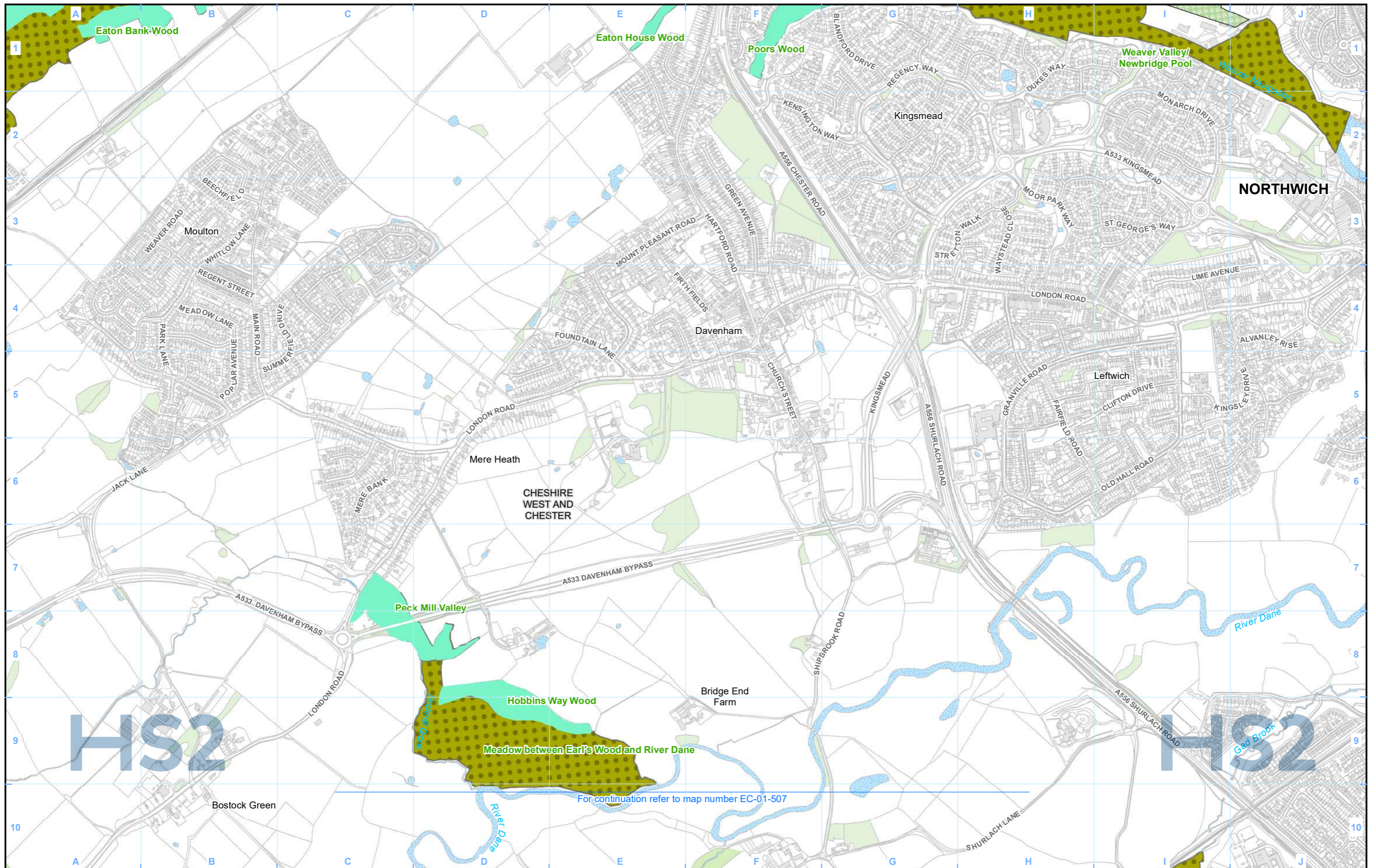
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Doc Number: 2PT27-MWJ-EV-MAP-M000-000731-P01

Date: 23/03/23

Scale at A3: 1:10,000

0 100 200 300 400 Metres



Legend

Route in tunnel	Watercourse	Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI)
Route on surface	Water body	National Nature Reserve (NNR)
Depot, station, headhouse or portal building	Woodland (verified by survey)	Ancient woodland
Land potentially required during construction	Site of Special Scientific Interest (SSSI)	Ramsar Site - Wetland of International Importance
Community area boundary	Special Protection Area (SPA)	Special Area of Conservation (SAC)
County boundary	Local Nature Reserve (LNR)	
District/Borough boundary		

N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.

Map Number	EC-01-507-L1
Map Name	Designated Sites SES2 and AP2 ES
	Community Area MA02: Wimboldsley to Lostock Gram

HS2

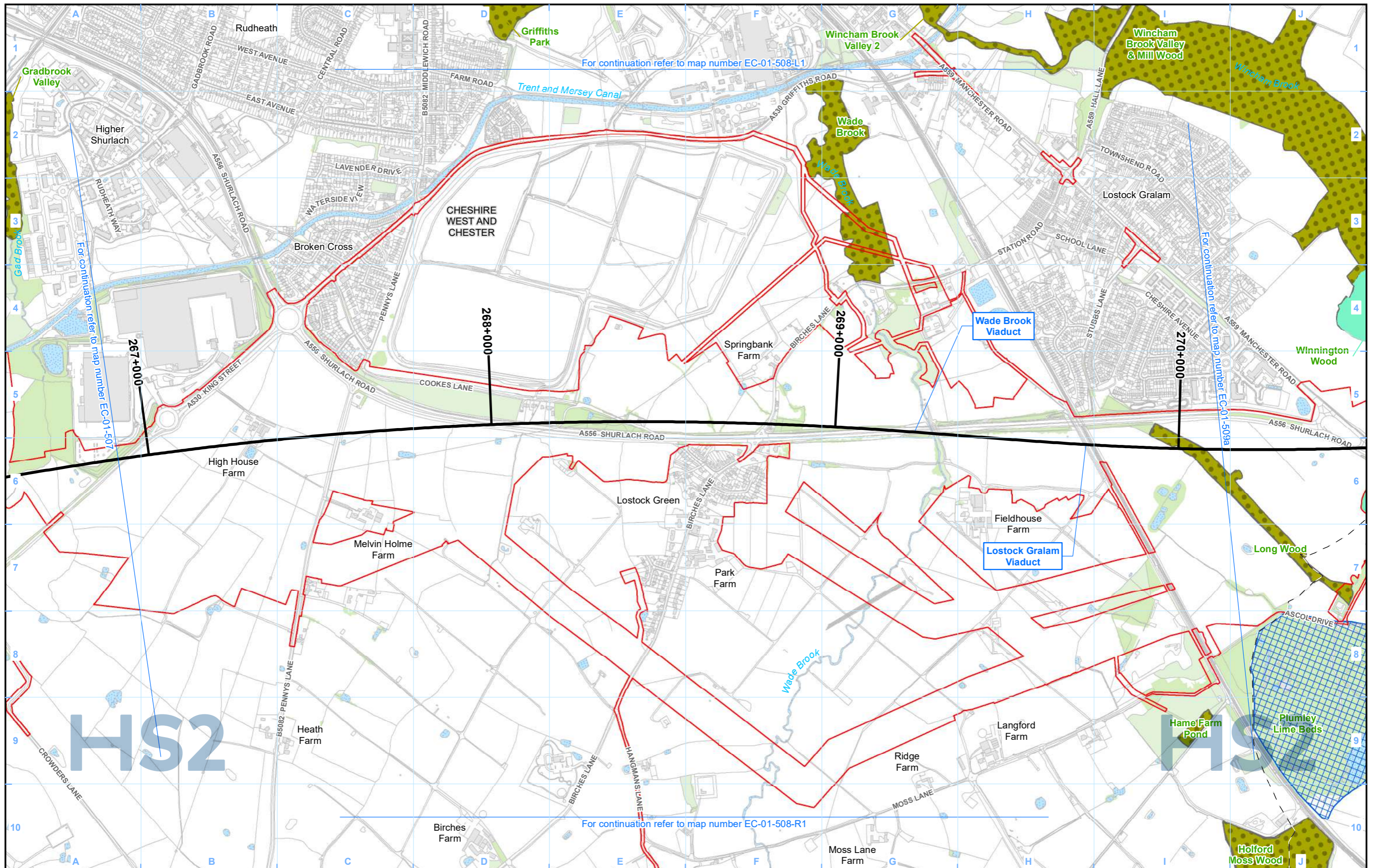
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Date: 23/03/23



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

- Watercourse
- Water body
- Woodland (verified by survey)
- Site of Special Scientific Interest (SSSI)
- Special Protection Area (SPA)
- Special Area of Conservation (SAC)
- Local Nature Reserve (LNR)

- Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI)
- National Nature Reserve (NNR)
- Ancient woodland
- Ramsar Site - Wetland of International Importance

N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.

Map Number	EC-01-508
Map Name	Designated Sites SES2 and AP2 ES
Community Area MA02: Wimboldsley to Lostock Gralam	

HS2

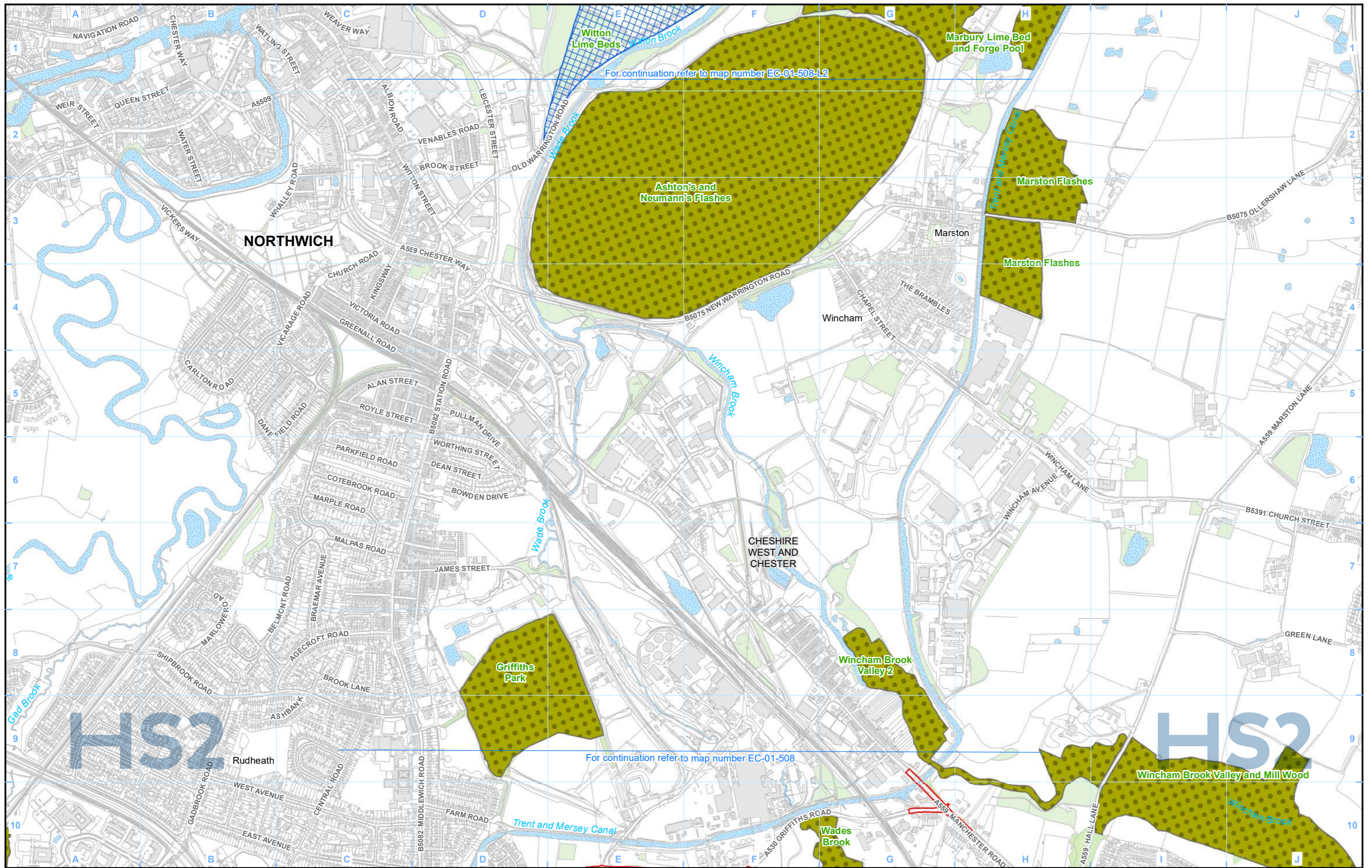
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For continuation refer to map number EC-01-508-L2

For continuation refer to map number EC-01-508

Legend

N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.

Map Number	EC-01-508-L1
Map Name	Designated Sites SES2 and AP2 ES
	Community Area MA02: Wimboldsley to Lostock Gram

HS2

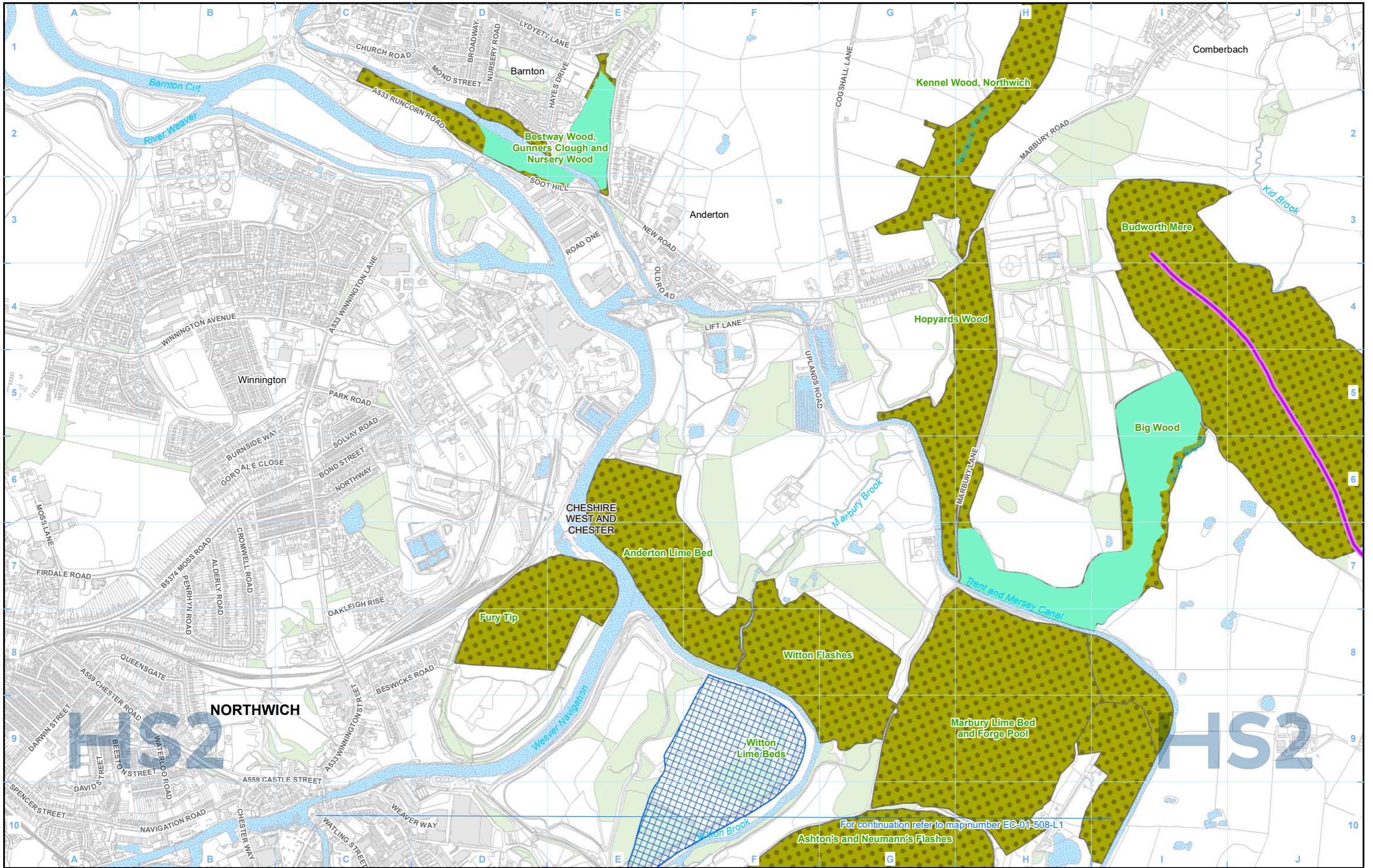
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Date: 23/03/23



Legend

Route in tunnel	Watercourse	Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI)
Route on surface	Water body	National Nature Reserve (NNR)
Depot, station, headhouse or portal building	Woodland (verified by survey)	Ancient woodland
Land potentially required during construction	Site of Special Scientific Interest (SSSI)	Ramsar Site - Wetland of International Importance
Community area boundary	Special Protection Area (SPA)	Special Area of Conservation (SAC)
County boundary	Local Nature Reserve (LNR)	
District/Borough boundary		

N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.

Map Number	EC-01-508-L2
Map Name	Designated Sites SES2 and AP2 ES
	Community Area MA02: Wimboldsley to Lostock Gram

HS2

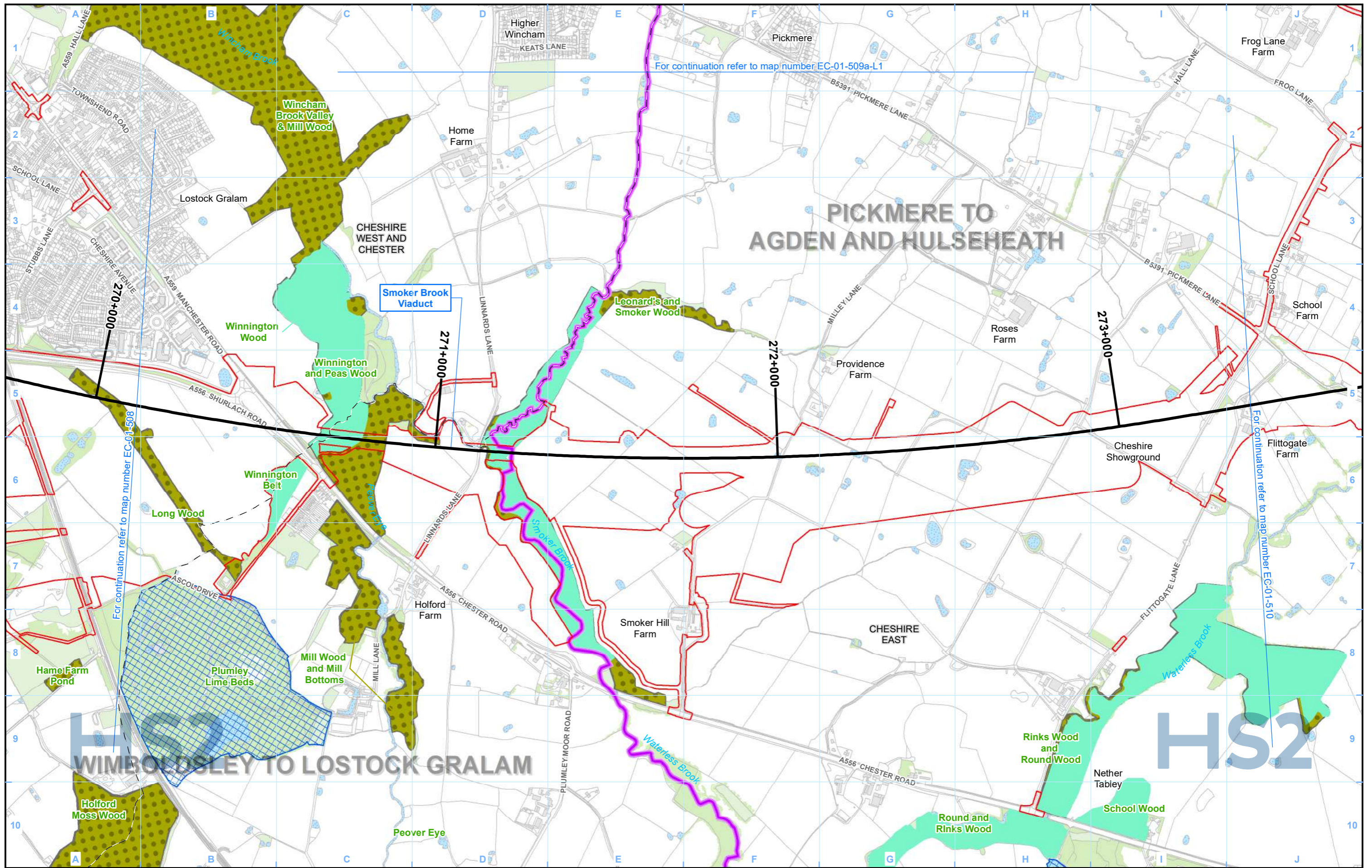
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Date: 23/03/23



Legend

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Map Number	EC-01-509a
Map Name	Designated Sites SES2 and AP2 ES
	Community Area MA02: Wimboldsley to Lostock Gralam

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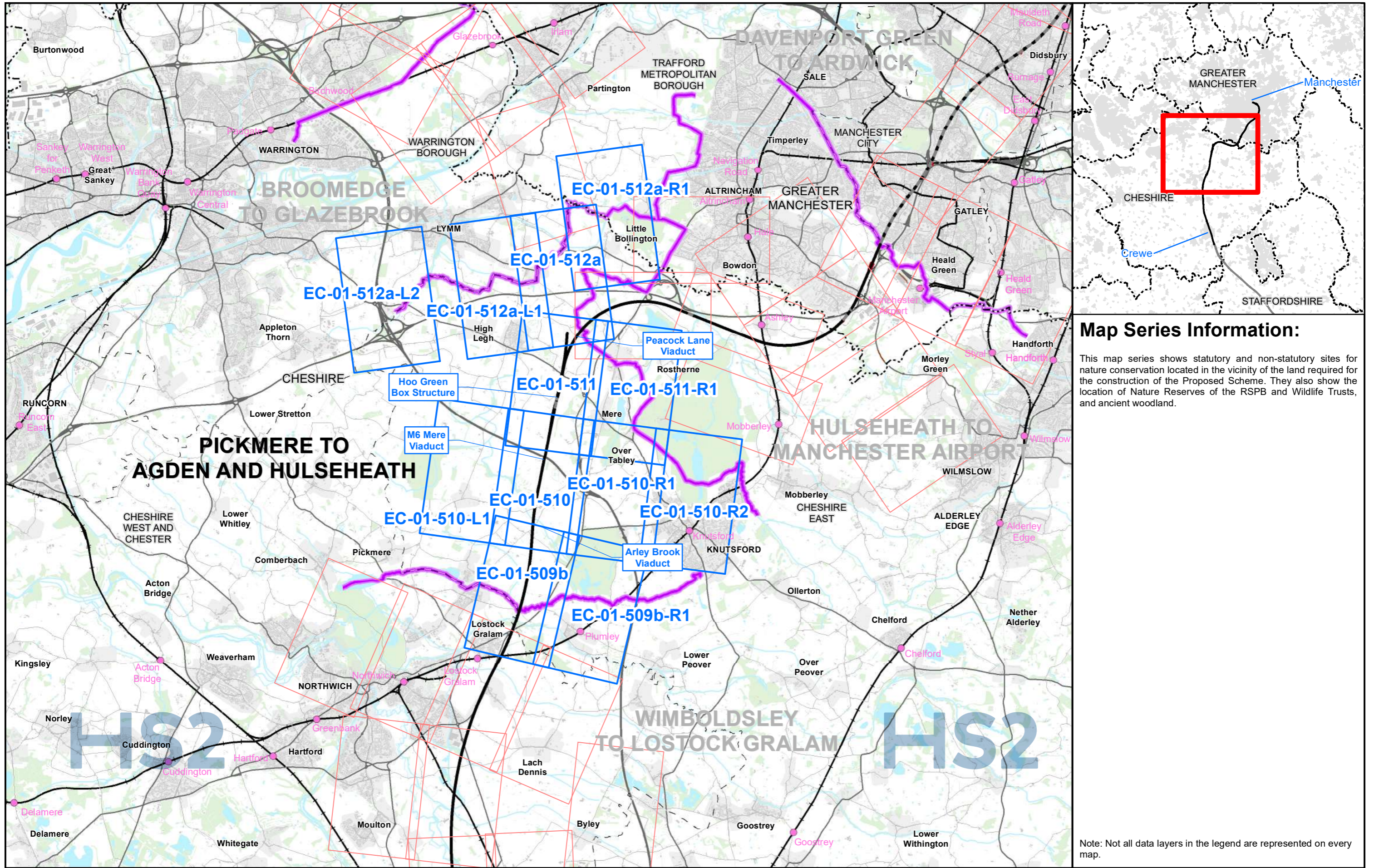
Date: 23/03/23

High Speed Rail (Crewe – Manchester)

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

MA03: Pickmere to Agden and Hulseheath

EC-01 – Designated Sites



Map Series Information:

This map series shows statutory and non-statutory sites for nature conservation located in the vicinity of the land required for the construction of the Proposed Scheme. They also show the location of Nature Reserves of the RSPB and Wildlife Trusts, and ancient woodland.

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

Main Map Legend

Map Number	EC-01-INDEX-MA03
Map Name	Index Map of: Designated Sites SES2 and AP2 ES
	Community Area MA03: Pickmere to Agden and Hulseheath

HS2

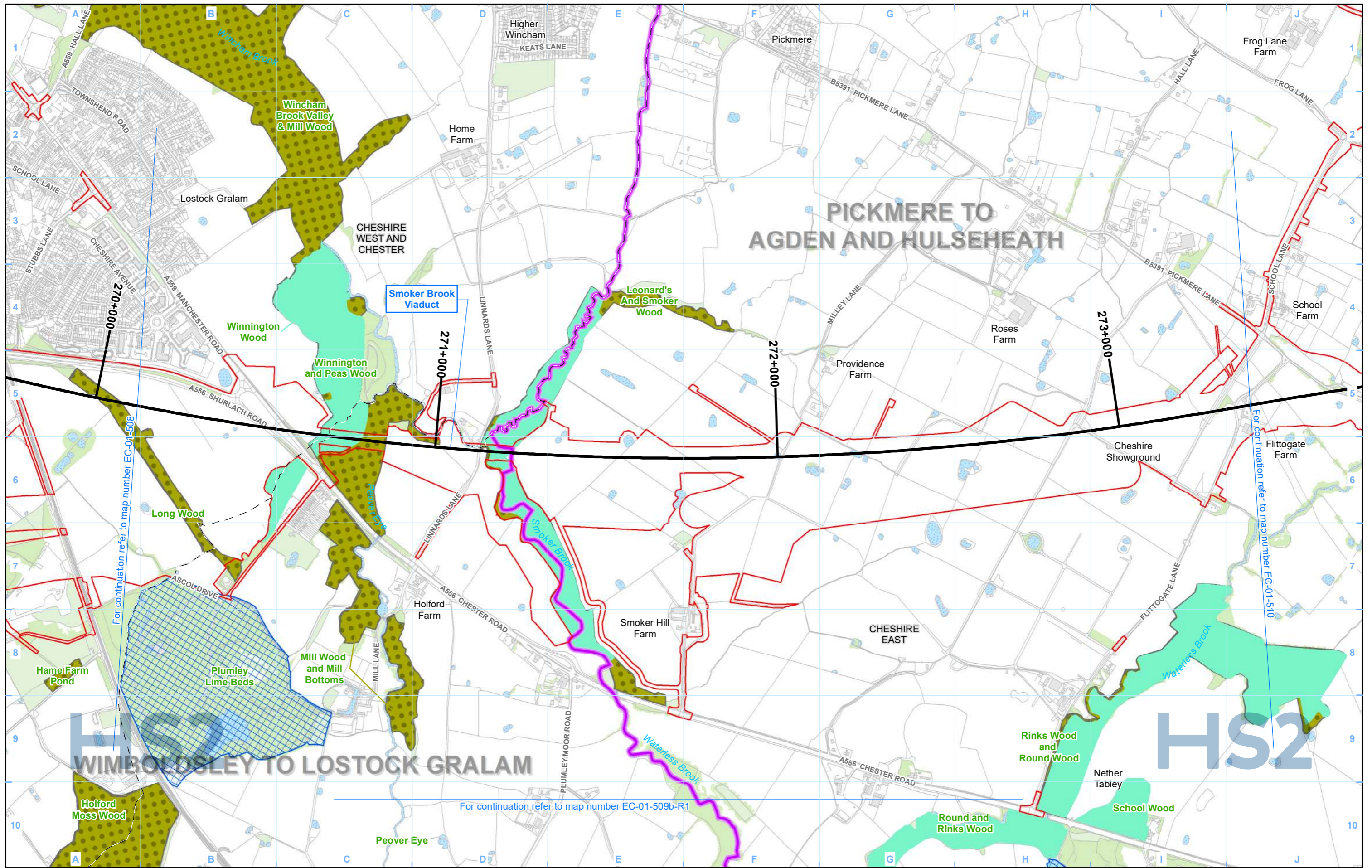
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Doc Number: 2PT27-MWJ-EV-MAP-M000-000761-P01

Date: 23/03/23



Legend

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Map Number	EC-01-509b
Map Name	Designated Sites SES2 and AP2 ES
	Community Area MA03: Pickmere to Agden and Hulseheath

HS2

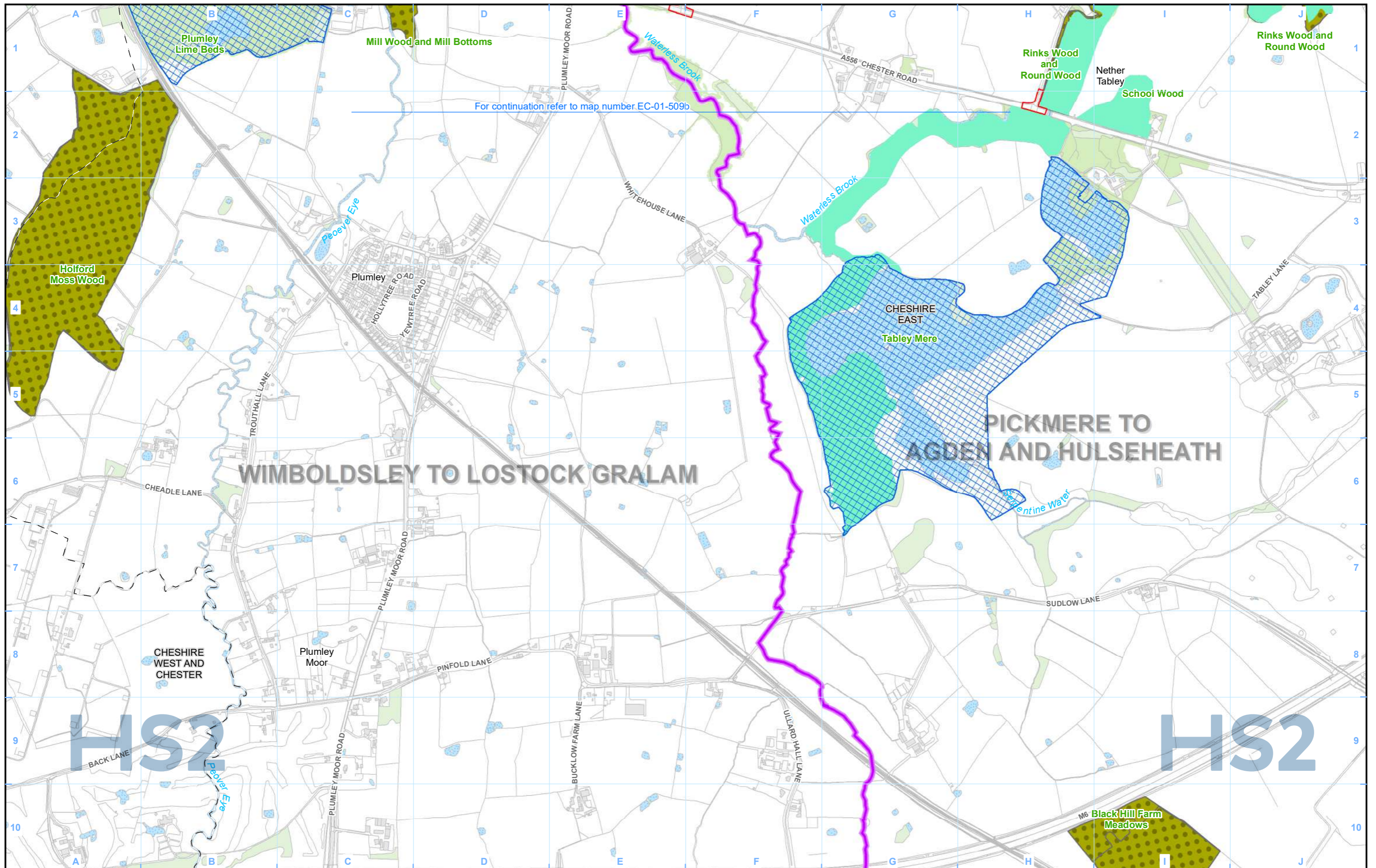
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Date: 23/03/23



For continuation refer to map number EC-01-509b

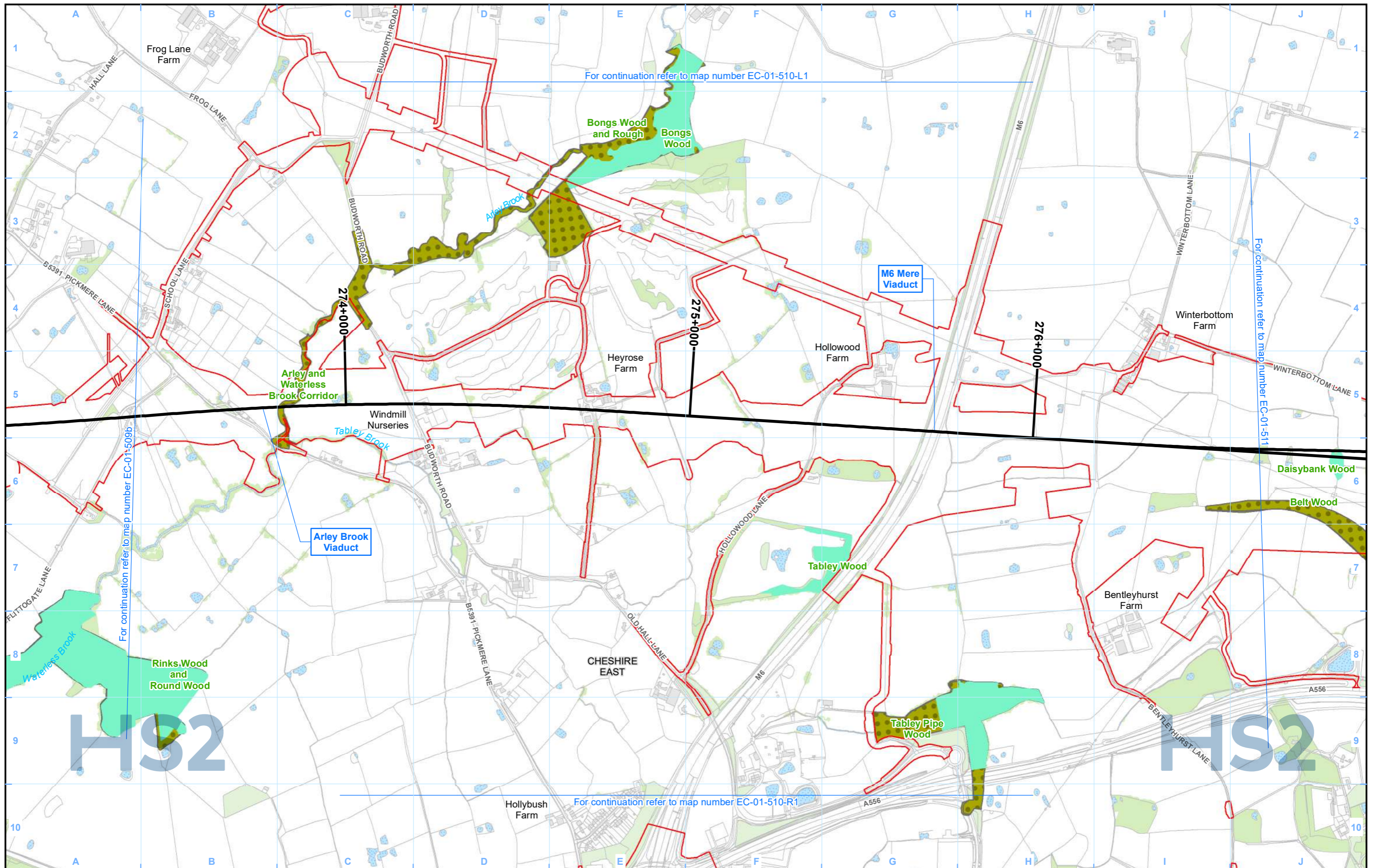
WIMBOLDSLEY TO LOSTOCK GRALAM

PICKMERE TO AGDEN AND HULSEHEATH

HS2

HS2

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 area boundary County boundary District/Borough boundary Watercourse Water body Woodland (verified by survey) Site of Special Scientific Interest (SSSI) Special Protection Area (SPA) Special Area of Conservation (SAC) Local Nature Reserve (LNR) Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI) National Nature Reserve (NNR) Ancient woodland Ramsar Site - Wetland of International Importance 		<p>N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.</p>	<p>Map Number: EC-01-509b-R1</p> <p>Map Name: Designated Sites SES2 and AP2 ES</p> <p>Community Area MA03: Pickmere to Agden and Hulseheath</p>	<p>HS2</p> <p>Registered in England. Registration number 06791686. Registered office: Two Snowhill, Snow Hill Queensway, Birmingham B4 6QA.</p> <p>© Crown copyright and database rights 2023 OS 100049190</p> <p>Doc Number: 2PT27-MWJ-EV-MAP-M000-002923-P01</p> <p>Date: 23/03/23</p>	<p>Scale at A3: 1:10,000</p> <p>Metres</p>
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For continuation refer to map number EC-01-510-L1

For continuation refer to map number EC-01-511

For continuation refer to map number EC-01-509b

For continuation refer to map number EC-01-510-R1

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

- Watercourse
- Water body
- Woodland (verified by survey)
- Site of Special Scientific Interest (SSSI)
- Special Protection Area (SPA)
- Special Area of Conservation (SAC)
- Local Nature Reserve (LNR)

- Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI)
- National Nature Reserve (NNR)
- Ancient woodland
- Ramsar Site - Wetland of International Importance

N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.

Map Number: EC-01-510

Map Name: Designated Sites SES2 and AP2 ES

Community Area MA03: Pickmere to Agden and Hulseheath

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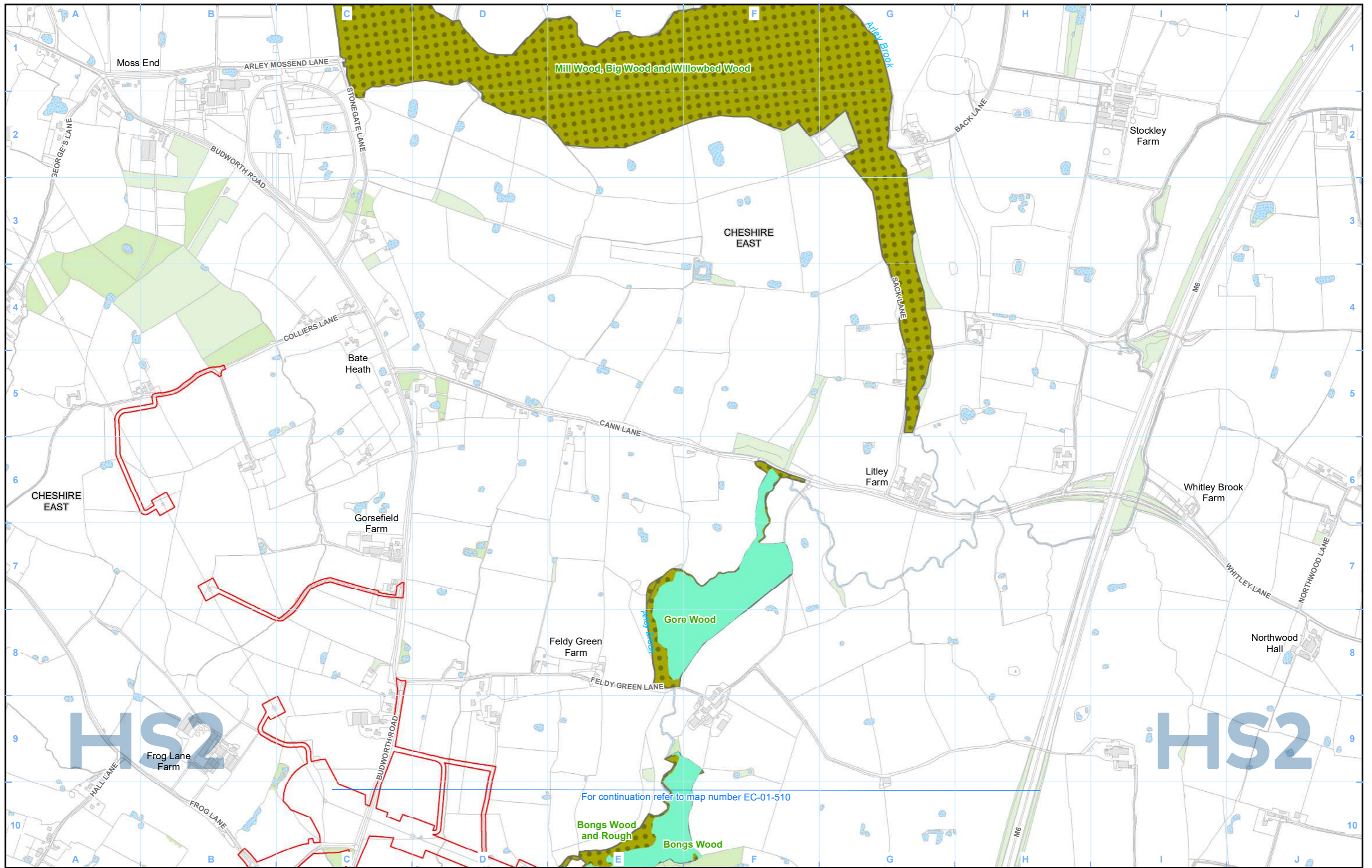
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Scale at A3: 1:10,000

0 100 200 300 400 Metres



Legend

Route in tunnel	Watercourse	Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI)
Route on surface	Water body	National Nature Reserve (NNR)
Depot, station, headhouse or portal building	Woodland (verified by survey)	Ancient woodland
Land potentially required during construction	Site of Special Scientific Interest (SSSI)	Ramsar Site - Wetland of International Importance
Community area boundary	Special Protection Area (SPA)	Special Area of Conservation (SAC)
County boundary	Local Nature Reserve (LNR)	
District/Borough boundary		

N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.

For continuation refer to map number EC-01-510

Map Number	EC-01-510-L1
Map Name	Designated Sites SES2 and AP2 ES
Community Area MA03: Pickmere to Agden and Hulseheath	

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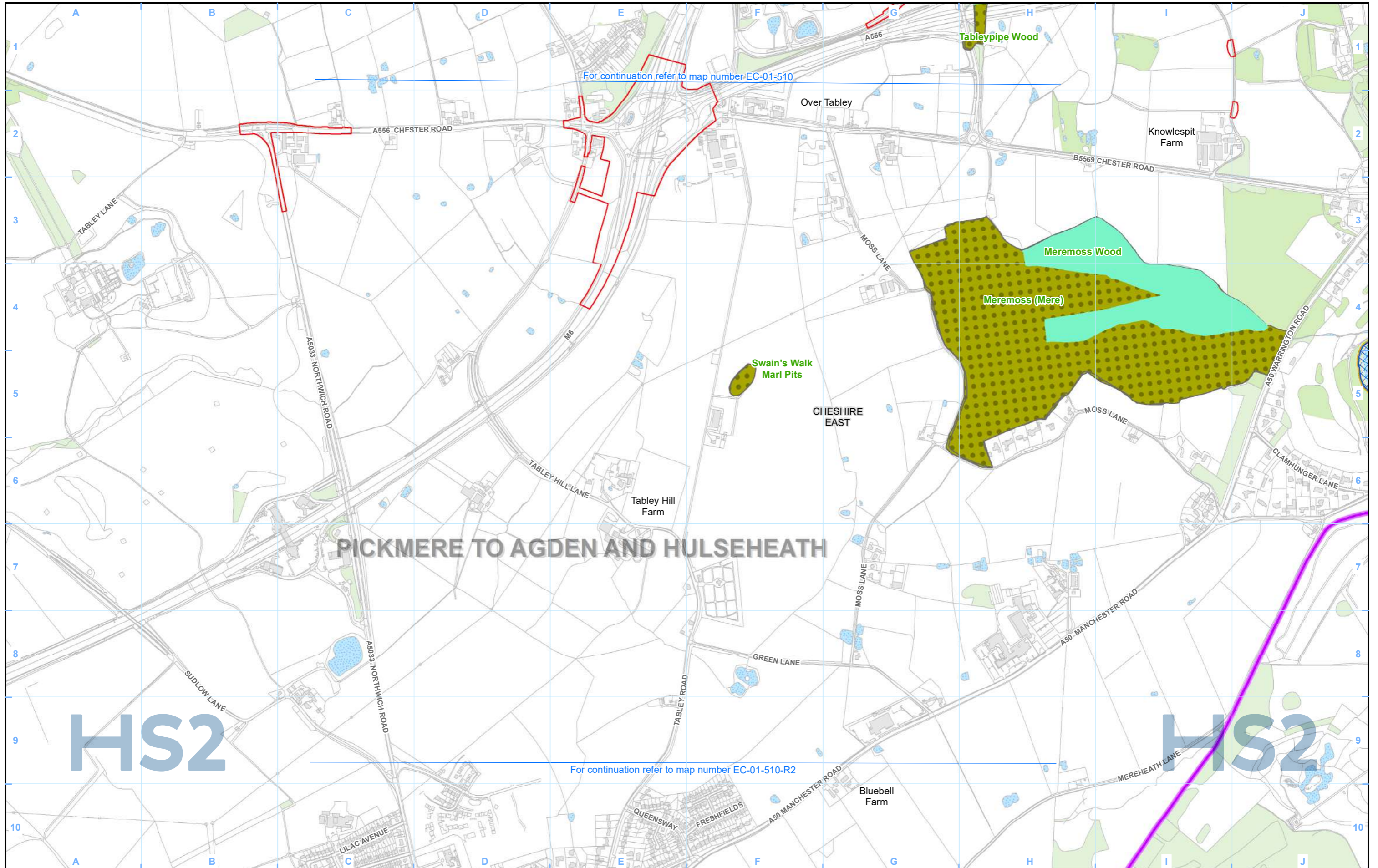
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For continuation refer to map number EC-01-510

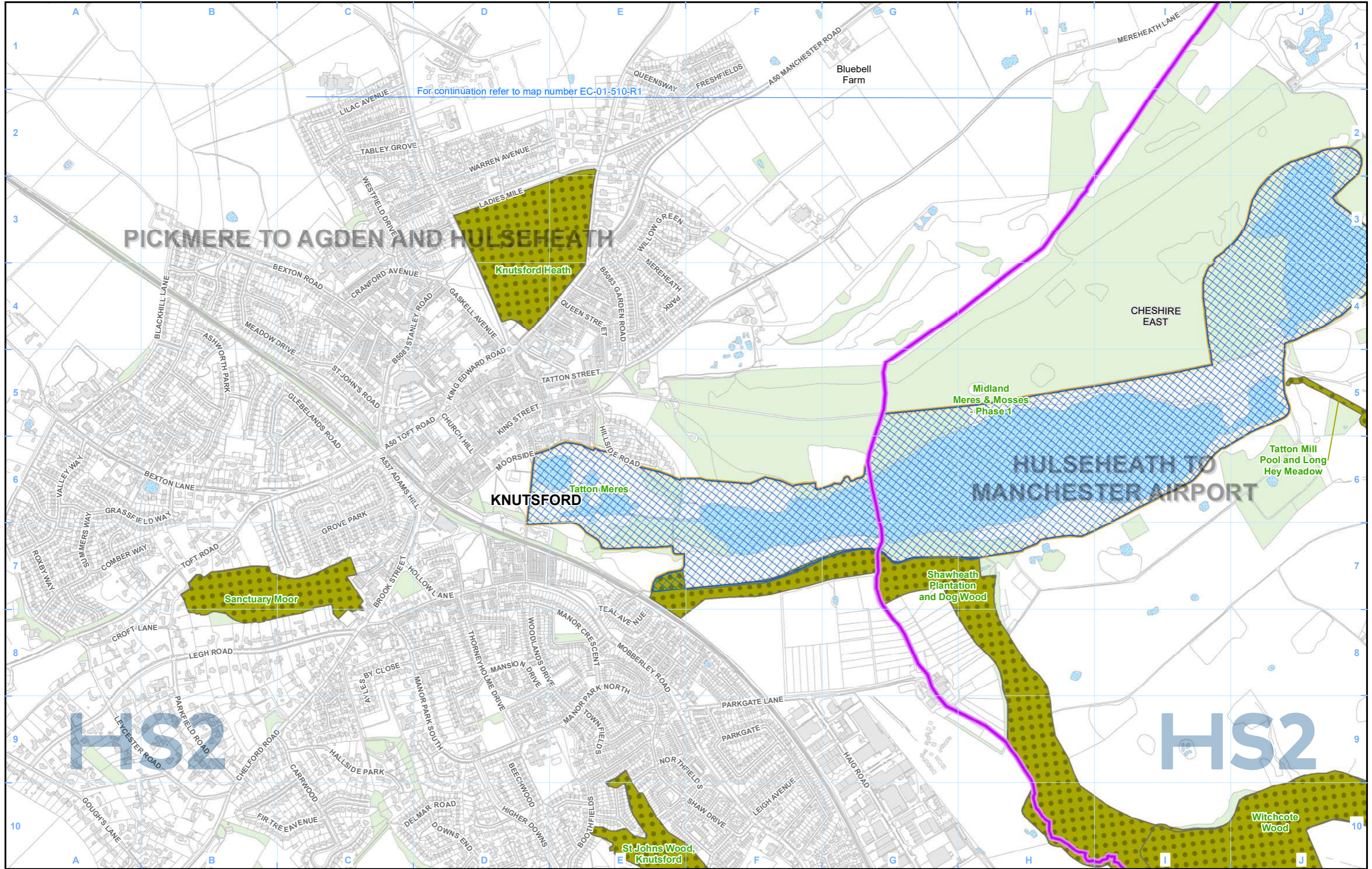
For continuation refer to map number EC-01-510-R2

PICKMERE TO AGDEN AND HULSEHEATH

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HS2

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 area boundary County boundary District/Borough boundary Watercourse Water body Woodland (verified by survey) Site of Special Scientific Interest (SSSI) Special Protection Area (SPA) Special Area of Conservation (SAC) Local Nature Reserve (LNR) Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI) National Nature Reserve (NNR) Ancient woodland Ramsar Site - Wetland of International Importance 		<p>N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.</p>	<table border="1"> <tr> <td>Map Number</td> <td>EC-01-510-R1</td> </tr> <tr> <td>Map Name</td> <td>Designated Sites SES2 and AP2 ES</td> </tr> <tr> <td colspan="2" style="text-align: center;">Community Area MA03: Pickmere to Agden and Hulseheath</td> </tr> </table>	Map Number	EC-01-510-R1	Map Name	Designated Sites SES2 and AP2 ES	Community Area MA03: Pickmere to Agden and Hulseheath		<div style="display: flex; align-items: center;"> <div style="font-size: 8px;"> <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: Two Snowhill, Snow Hill Queensway, Birmingham B4 6GA.</p> <p>© Crown copyright and database rights 2023 OS 100049190</p> <p>Doc Number: 2PT27-MWJ-EV-MAP-M000-002924-P01</p> </div> </div> <p style="text-align: right; font-size: 8px;">Scale at A3: 1:10,000</p> <p style="text-align: right; font-size: 8px;">Date: 23/03/23</p>
Map Number	EC-01-510-R1									
Map Name	Designated Sites SES2 and AP2 ES									
Community Area MA03: Pickmere to Agden and Hulseheath										



For continuation refer to map number EC-01-510-R1

Legend

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

	Watercourse
	Water body
	Woodland (verified by survey)
	Site of Special Scientific Interest (SSSI)
	Special Protection Area (SPA)
	Special Area of Conservation (SAC)
	Local Nature Reserve (LNR)

	Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI)
	National Nature Reserve (NNR)
	Ancient woodland
	Ramsar Site - Wetland of International Importance

N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.

Map Number	EC-01-510-R2
Map Name	Designated Sites SES2 and AP2 ES
	Community Area MA03: Pickmere to Agden and Hulseheath

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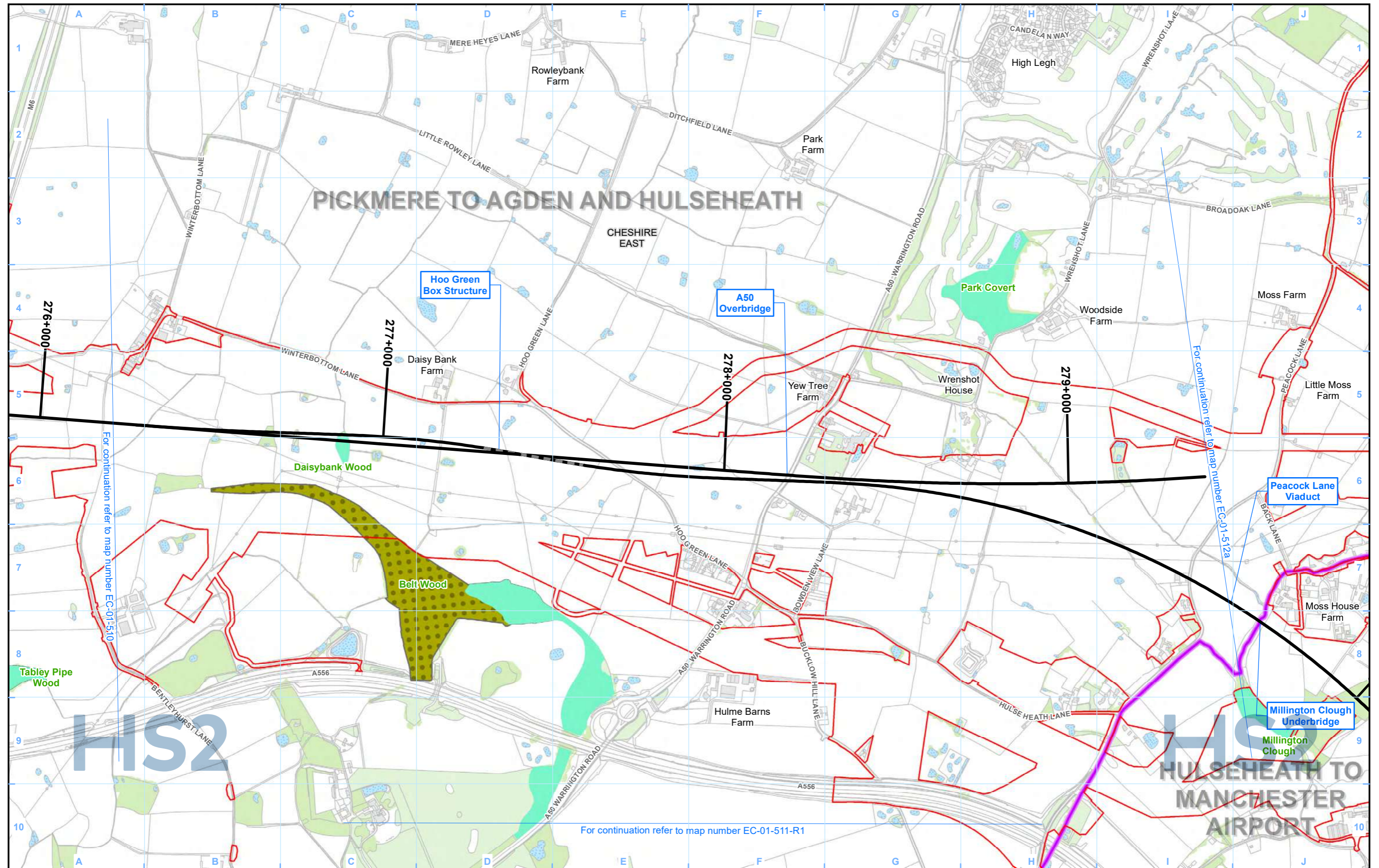
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Legend

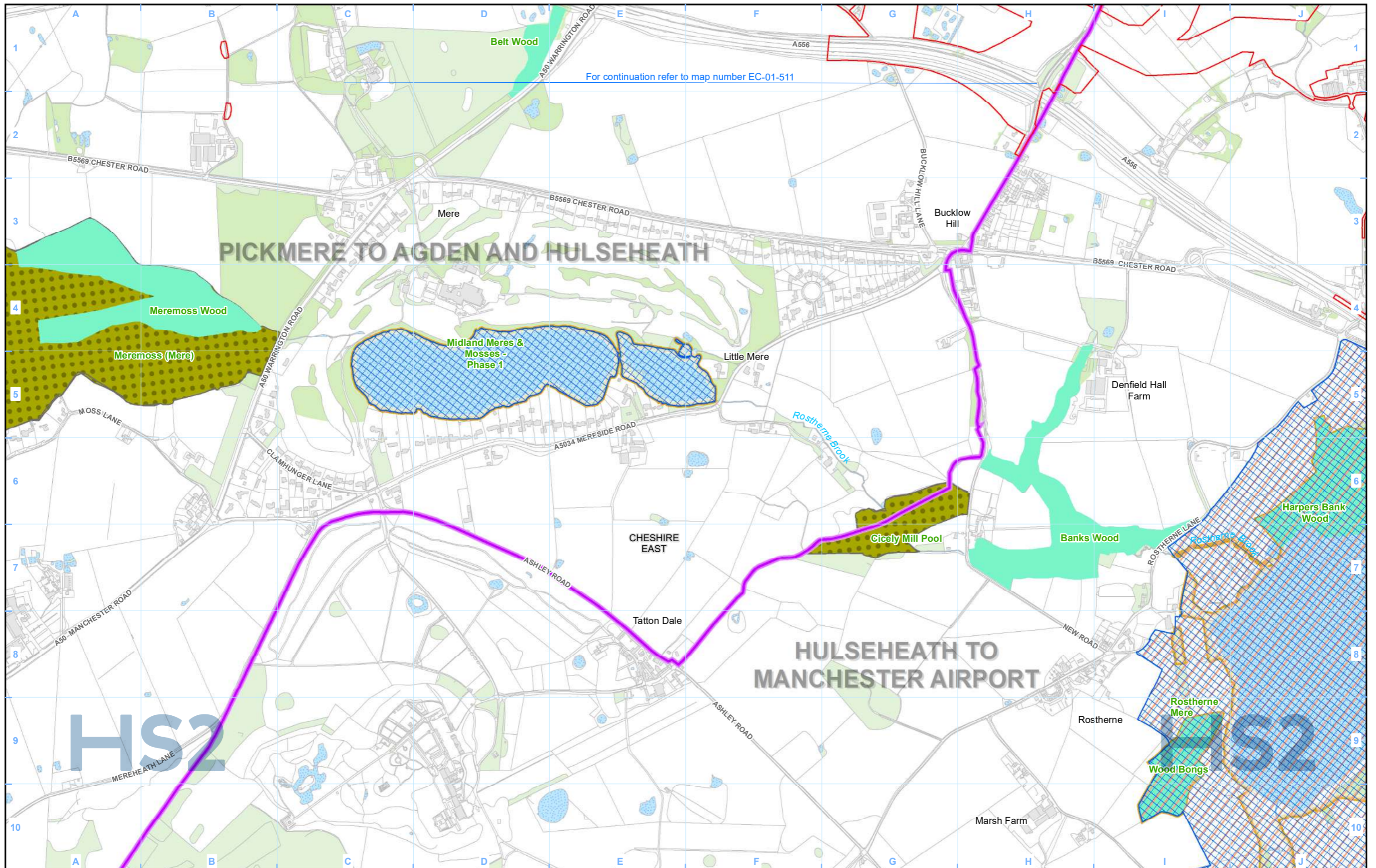
- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Land potentially required during construction
- Community area boundary
- County boundary
- District/Borough boundary
- Watercourse
- Water body
- Woodland (verified by survey)
- Site of Special Scientific Interest (SSSI)
- Special Protection Area (SPA)
- Special Area of Conservation (SAC)
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Map Number: EC-01-511
 Map Name: Designated Sites SES2 and AP2 ES
 Community Area MA03: Pickmere to Agden and Hulseheath

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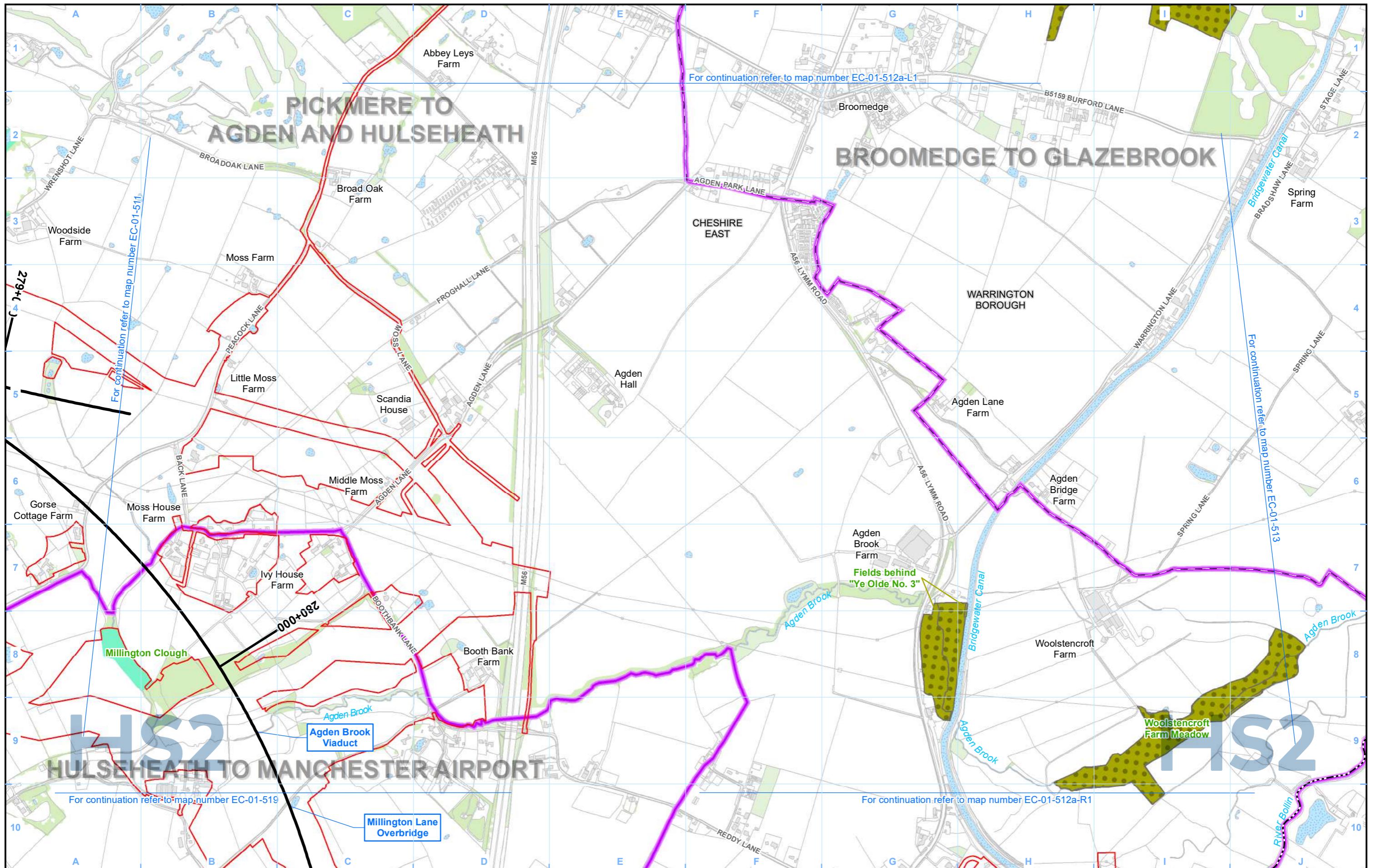


For continuation refer to map number EC-01-511

PICKMERE TO AGDEN AND HULSEHEATH

HULSEHEATH TO MANCHESTER AIRPORT

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 area boundary County boundary District/Borough boundary Watercourse Water body Woodland (verified by survey) Site of Special Scientific Interest (SSSI) Special Protection Area (SPA) Special Area of Conservation (SAC) Local Nature Reserve (LNR) Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI) National Nature Reserve (NNR) Ancient woodland Ramsar Site - Wetland of International Importance 		<p>N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.</p>	
<p>Map Number: EC-01-511-R1</p> <p>Map Name: Designated Sites SES2 and AP2 ES</p> <p>Community Area MA03: Pickmere to Agden and Hulseheath</p>		<p>HS2</p> <p>Registered in England. Registration number 06791686. Registered office: Two Snowhill, Snow Hill Queensway, Birmingham B4 6GA.</p> <p>© Crown copyright and database rights 2023 OS 100049190</p> <p>Scale at A3: 1:10,000</p> <p>Doc Number: 2PT27-MWJ-EV-MAP-M000-002577-P01</p> <p>Date: 23/03/23</p>	



Legend

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Map Number	EC-01-512a
Map Name	Designated Sites SES2 and AP2 ES
Community Area MA03: Pickmere to Agden and Hulseheath	

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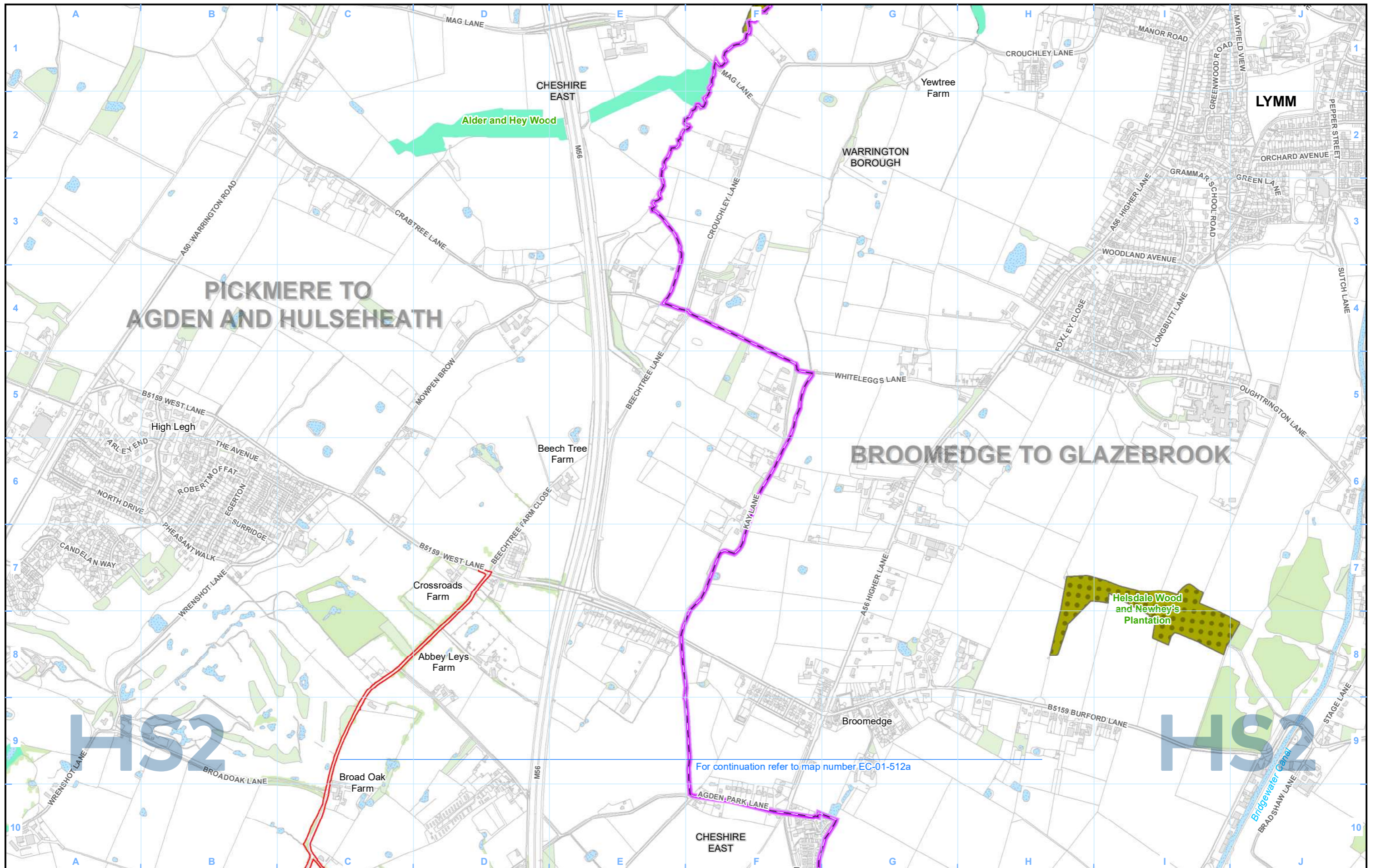
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Date: 23/03/23

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0 100 200 300 400 Metres



PICKMERE TO AGDEN AND HULSEHEATH

BROOMEDGE TO GLAZEBROOK

For continuation refer to map number EC-01-512a

Legend	
	Route in tunnel
	Route on surface
	Depot, station, headhouse or portal building
	Land potentially required during construction
	Community area boundary
	County boundary
	District/Borough boundary
	Watercourse
	Water body
	Woodland (verified by survey)
	Site of Special Scientific Interest (SSSI)
	Special Protection Area (SPA)
	Special Area of Conservation (SAC)
	Local Nature Reserve (LNR)
	Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI)
	National Nature Reserve (NNR)
	Ancient woodland
	Ramsar Site - Wetland of International Importance

N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.

Map Number	EC-01-512a-L1
Map Name	Designated Sites SES2 and AP2 ES
	Community Area MA03: Pickmere to Agden and Hulseheath

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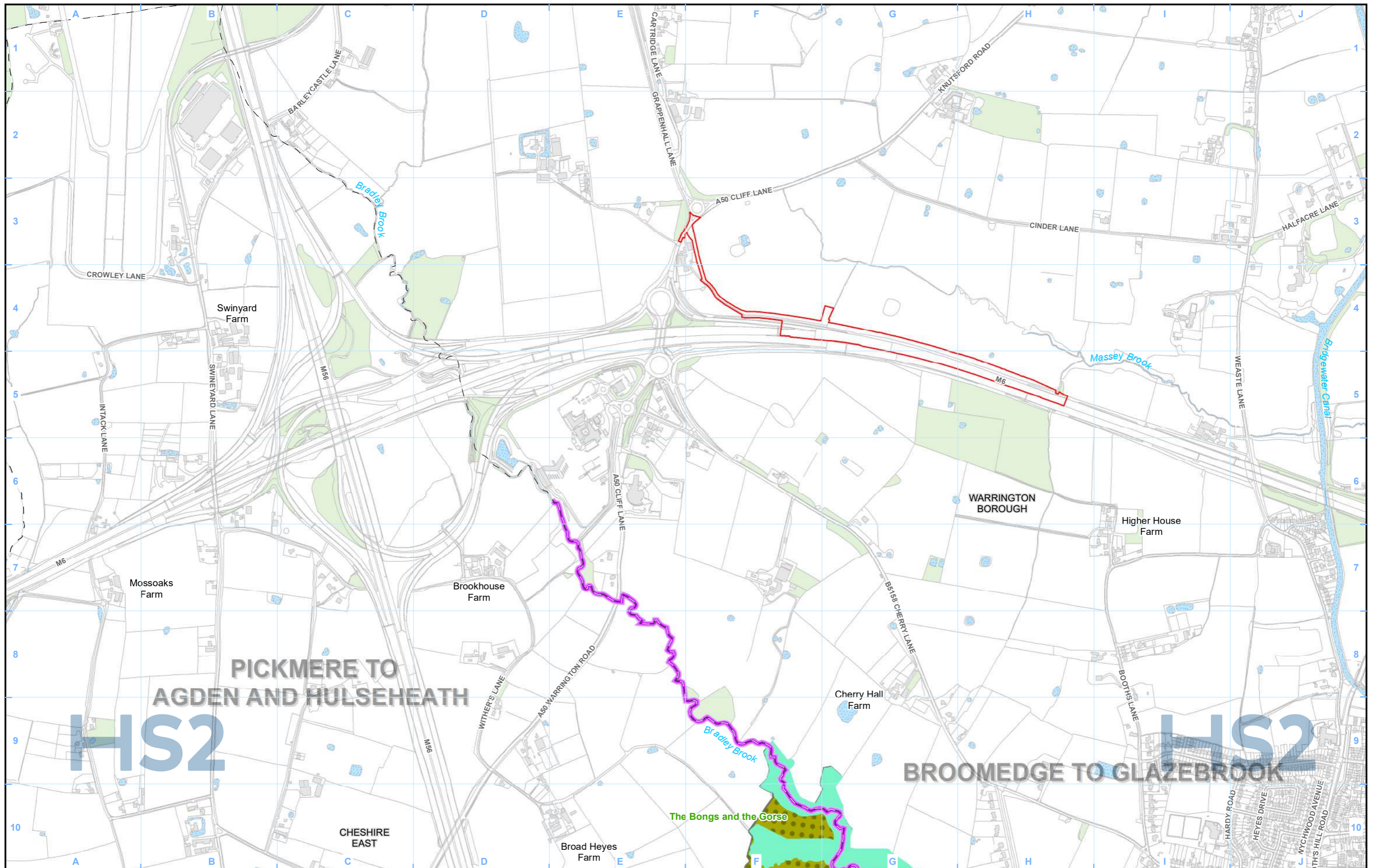
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Legend

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Map Number	EC-01-512a-L2
Map Name	Designated Sites SES2 and AP2 ES
Community Area MA03: Pickmere to Agden and Hulseheath	

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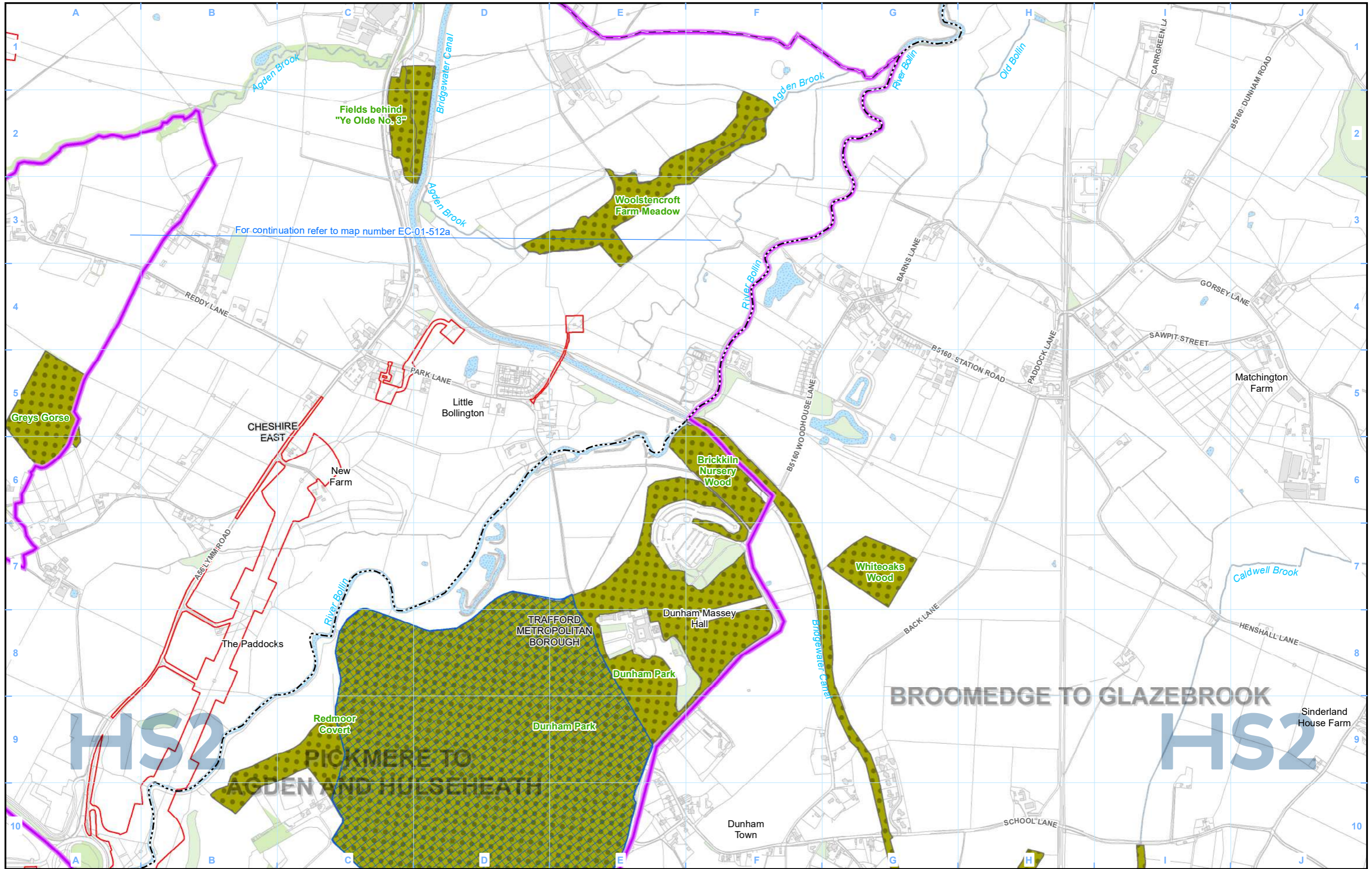
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Legend

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

	Watercourse
	Water body
	Woodland (verified by survey)
	Site of Special Scientific Interest (SSSI)
	Special Protection Area (SPA)
	Special Area of Conservation (SAC)
	Local Nature Reserve (LNR)

	Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI)
	National Nature Reserve (NNR)
	Ancient woodland
	Ramsar Site - Wetland of International Importance

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Map Number	EC-01-512a-R1
Map Name	Designated Sites SES2 and AP2 ES
	Community Area MA03: Pickmere to Agden and Hulseheath

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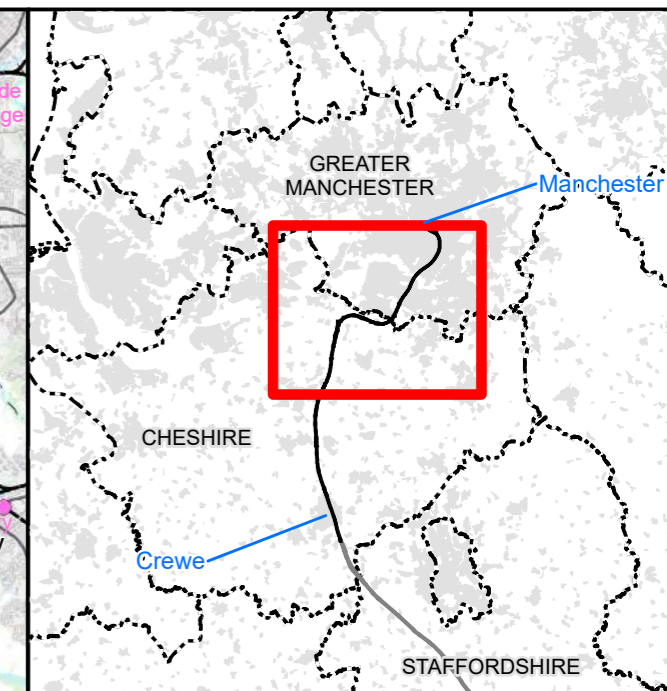
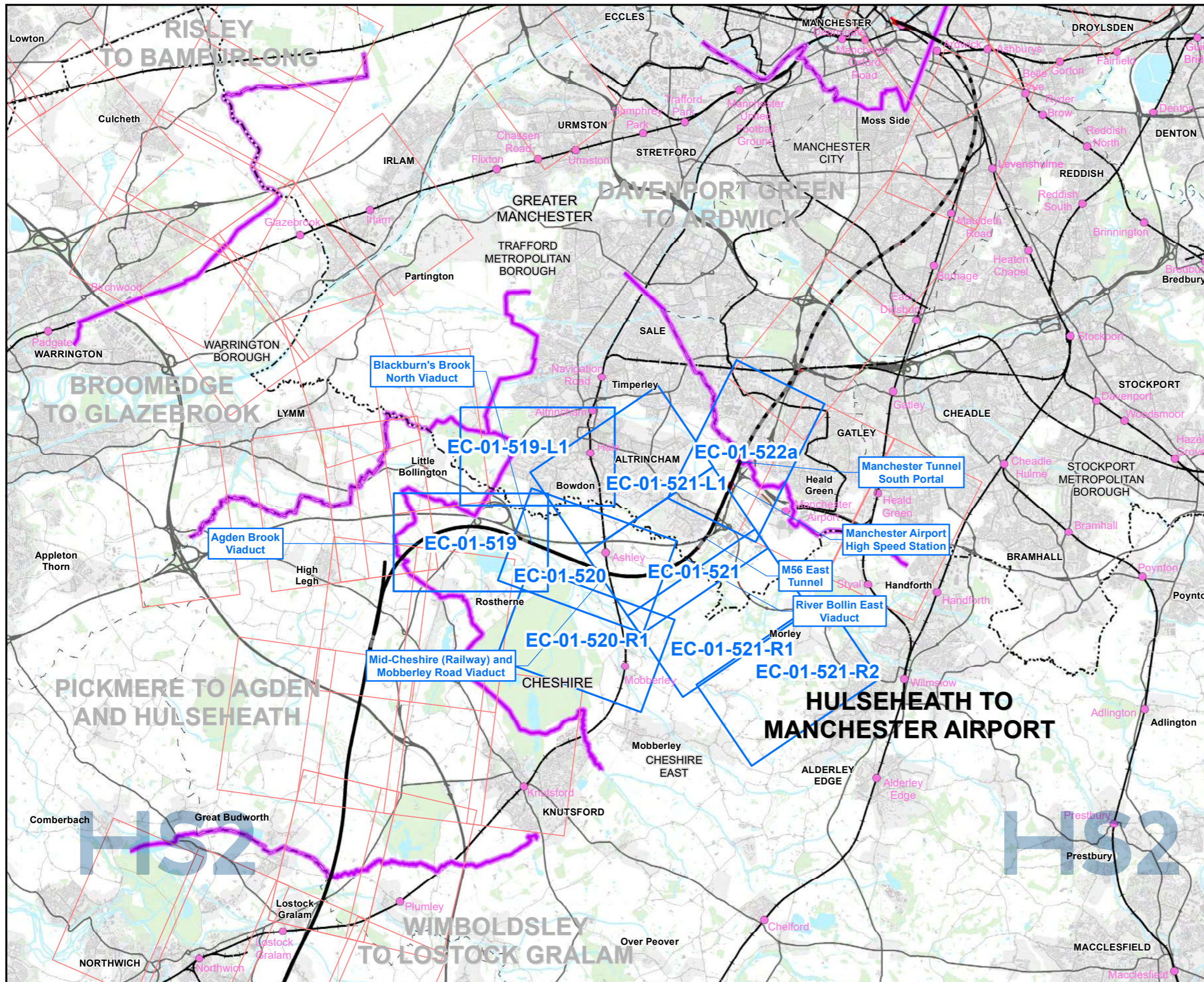
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High Speed Rail (Crewe – Manchester)

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

MA06: Hulseheath to Manchester Airport

EC-01 - Designated Sites



Map Series Information:

This map series shows statutory and non-statutory sites for nature conservation located in the vicinity of the land required for the construction of the Proposed Scheme. They also show the location of Nature Reserves of the RSPB and Wildlife Trusts, and ancient woodland.

Main Map Legend

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

Map Number	EC-01-INDEX-MA06
Map Name	Index Map of: Designated Sites SES2 and AP2 ES Community Area MA06: Hulseheath to Manchester Airport

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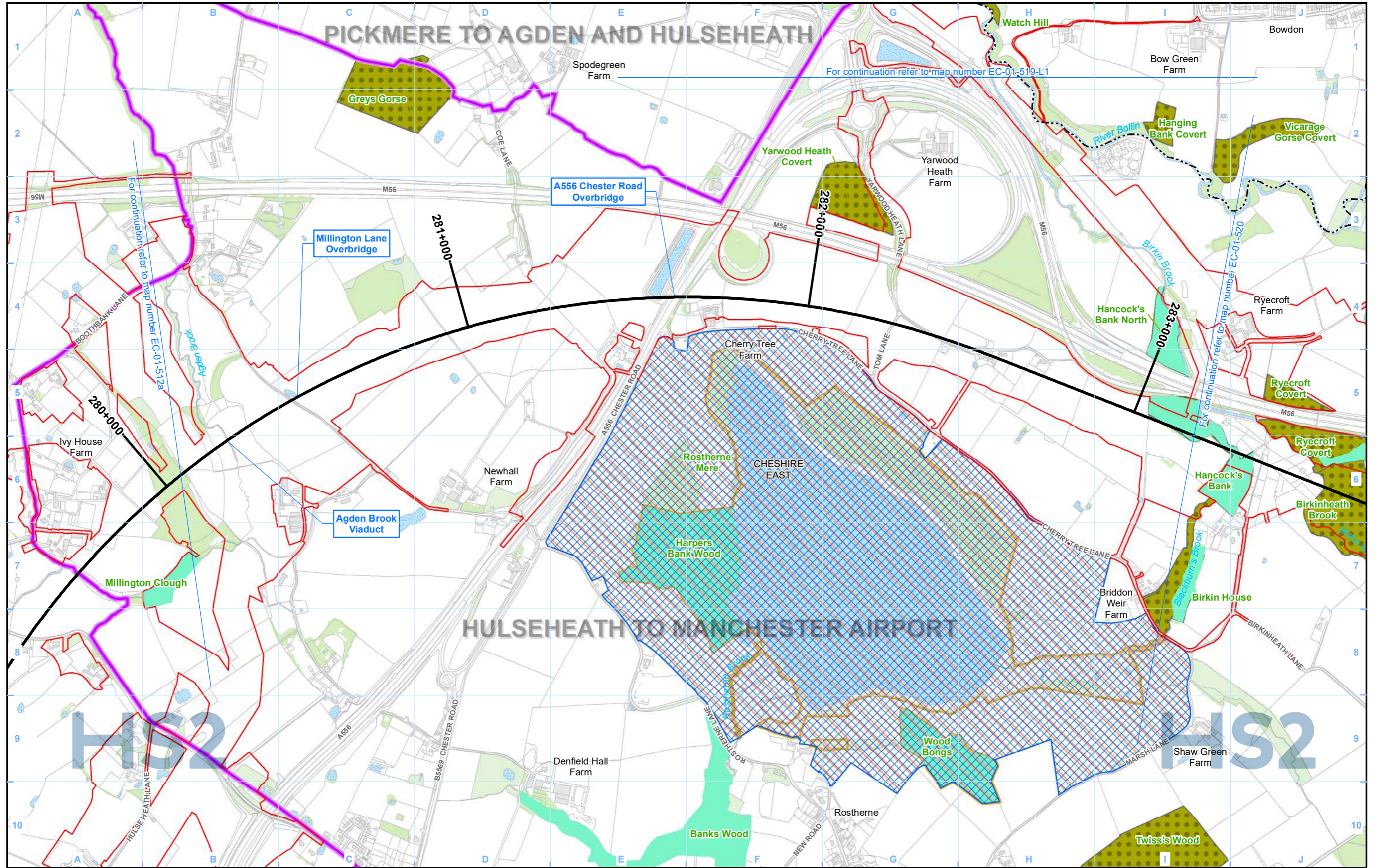
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Date: 03/04/23

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



- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Land potentially required during construction
 - Community area boundary
 - County boundary
 - District/Borough boundary
 - Watercourse
 - Water body
 - Woodland (verified by survey)
 - Site of Special Scientific Interest (SSSI)
 - Special Protection Area (SPA)
 - Special Area of Conservation (SAC)
 - Local Nature Reserve (LNR)
 - Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI)
 - National Nature Reserve (NNR)
 - Ancient woodland
 - Ramsar Site - Wetland of International Importance

N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.

Map Number	EC-01-519
Map Name	Designated Sites SES2 and AP2 ES
	Community Area MA06: Hulseheath to Manchester Airport

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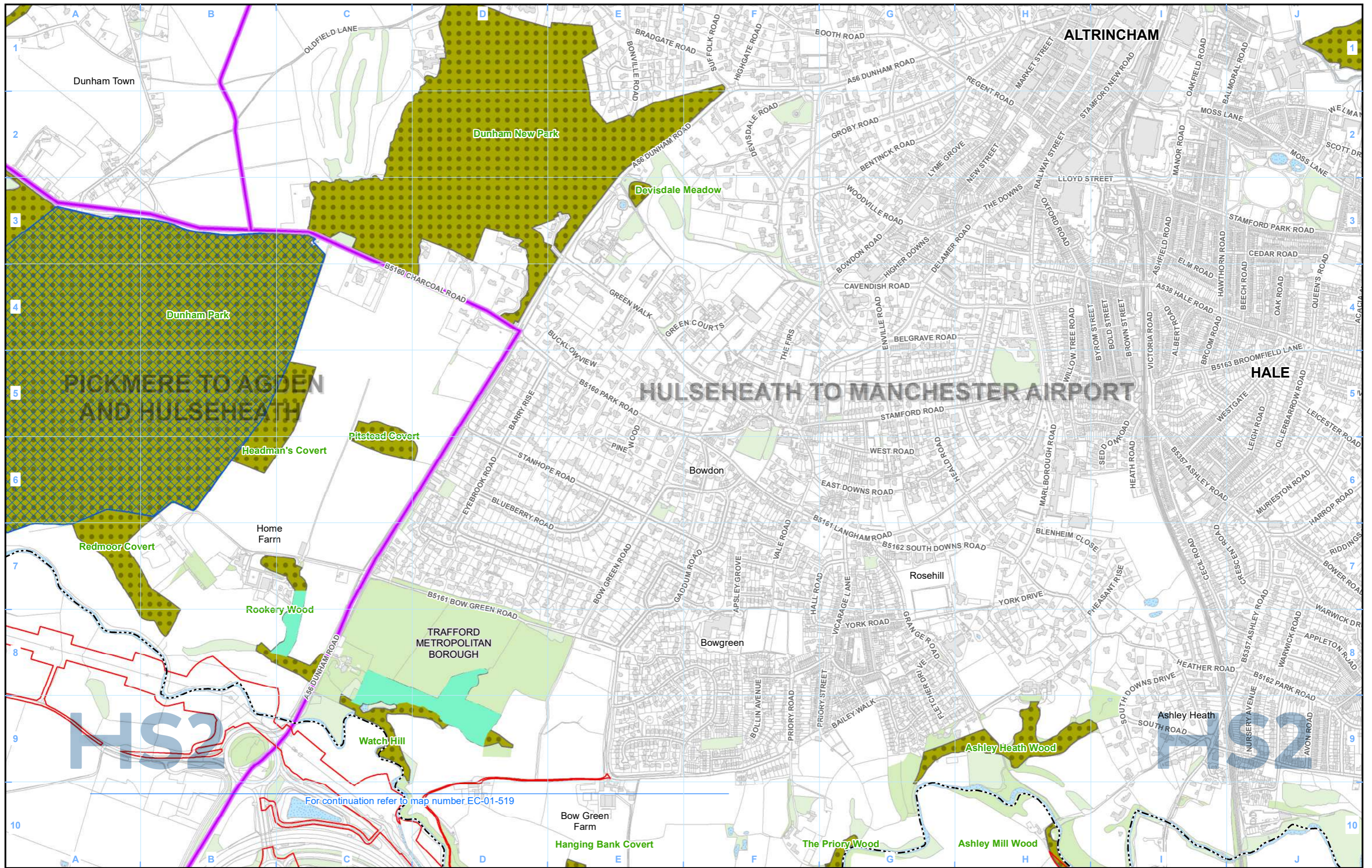
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Date: 28/03/23

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 area boundary
 - County boundary
 - District/Borough boundary
 - Watercourse
 - Water body
 - Woodland (verified by survey)
 - Site of Special Scientific Interest (SSSI)
 - Special Protection Area (SPA)
 - Special Area of Conservation (SAC)
 - Local Nature Reserve (LNR)
 - Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI)
 - National Nature Reserve (NNR)
 - Ancient woodland
 - Ramsar Site - Wetland of International Importance

- Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI)
- National Nature Reserve (NNR)
- Ancient woodland
- Ramsar Site - Wetland of International Importance

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Map Number: EC-01-519-L1

Map Name: Designated Sites SES2 and AP2 ES

Community Area MA06: Hulseheath to Manchester Airport

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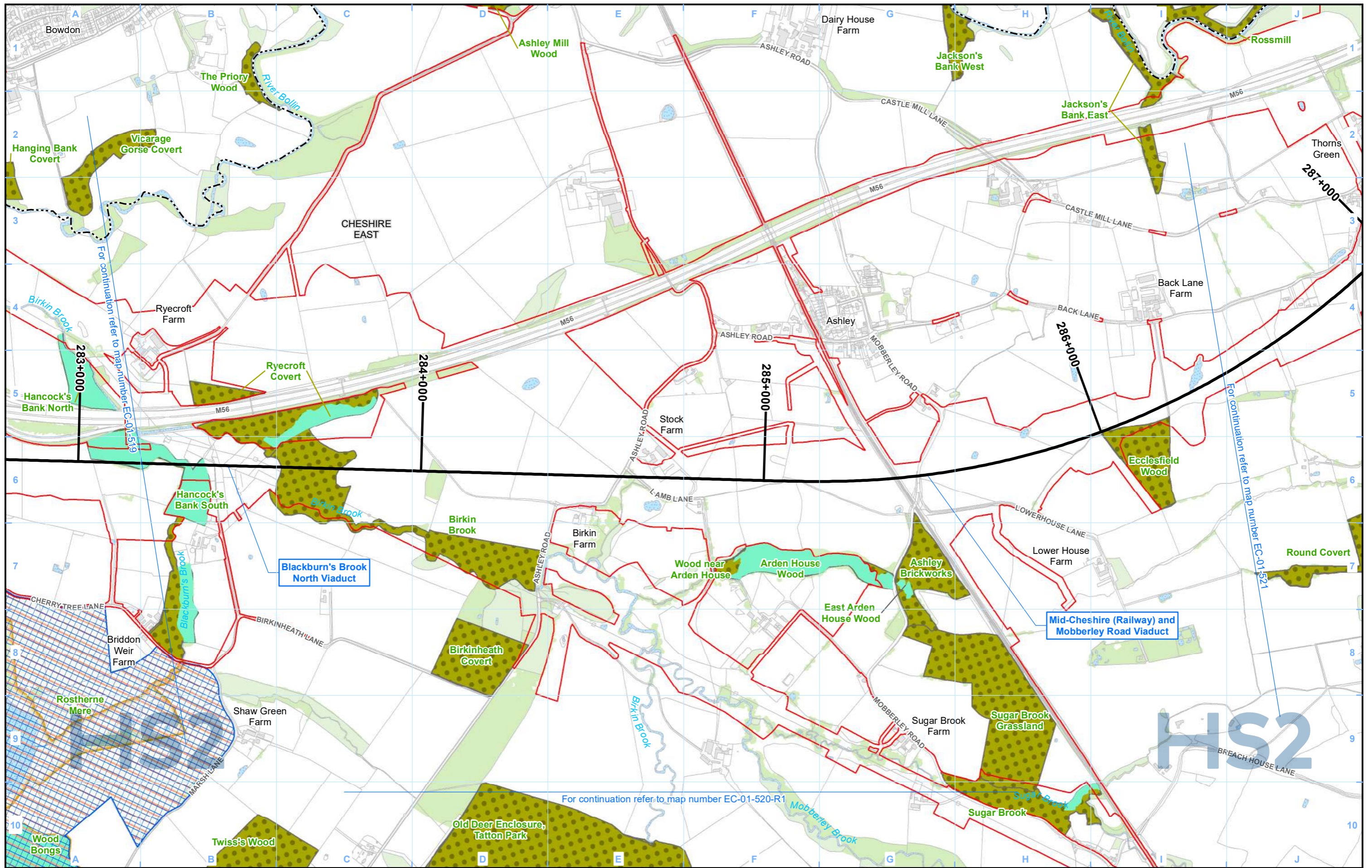
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Date: 28/03/23

Scale at A3: 1:10,000

Metres



- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Land potentially required during construction
 - Community area boundary
 - County boundary
 - District/Borough boundary
 - Watercourse
 - Water body
 - Woodland (verified by survey)
 - Site of Special Scientific Interest (SSSI)
 - Special Protection Area (SPA)
 - Special Area of Conservation (SAC)
 - Local Nature Reserve (LNR)
 - Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI)
 - National Nature Reserve (NNR)
 - Ancient woodland
 - Ramsar Site - Wetland of International Importance

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For continuation refer to map number EC-01-519

For continuation refer to map number EC-01-521

For continuation refer to map number EC-01-520-R1

Map Number	EC-01-520
Map Name	Designated Sites SES2 and AP2 ES
Community Area MA06: Hulseheath to Manchester Airport	

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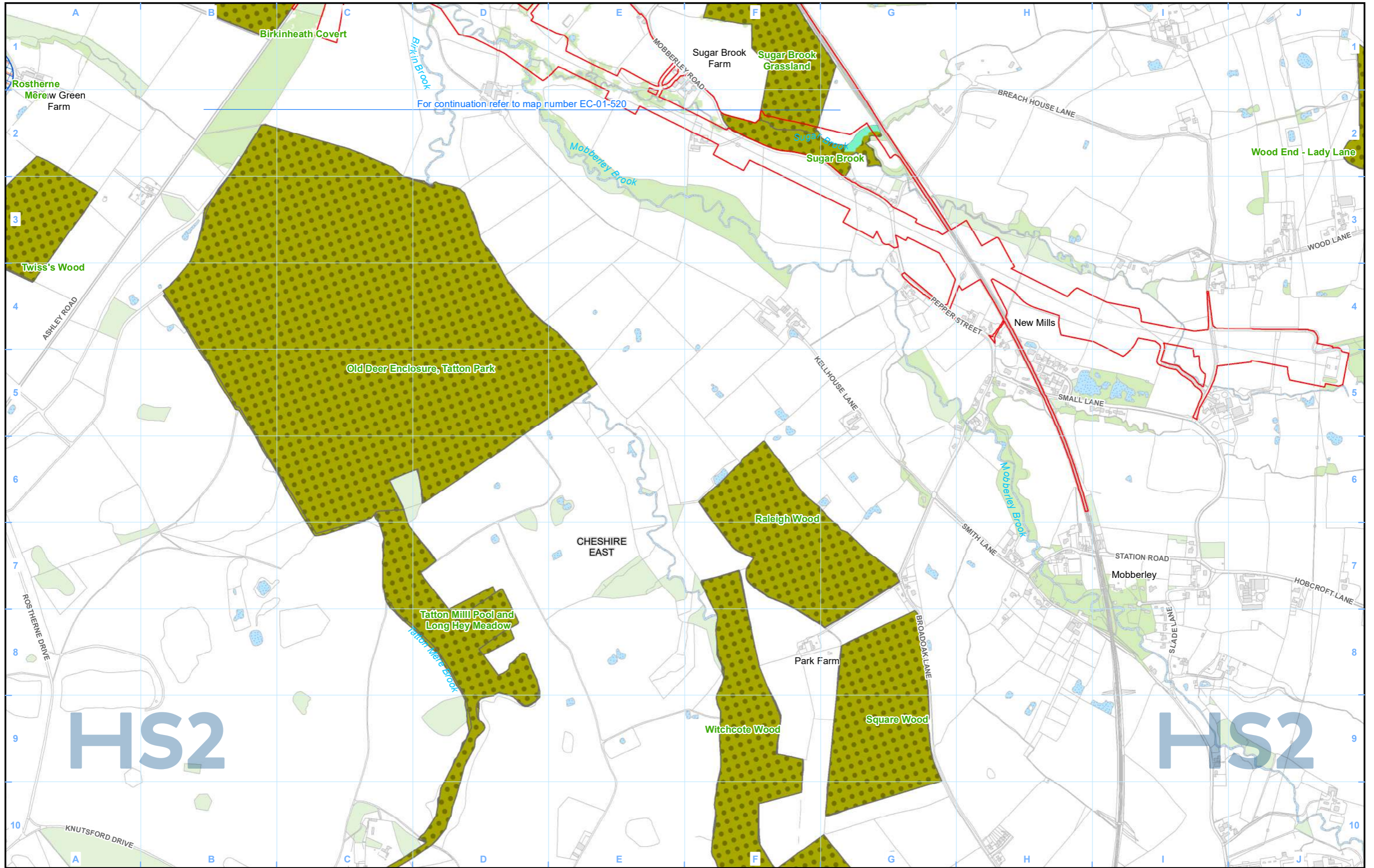
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Date: 28/03/23

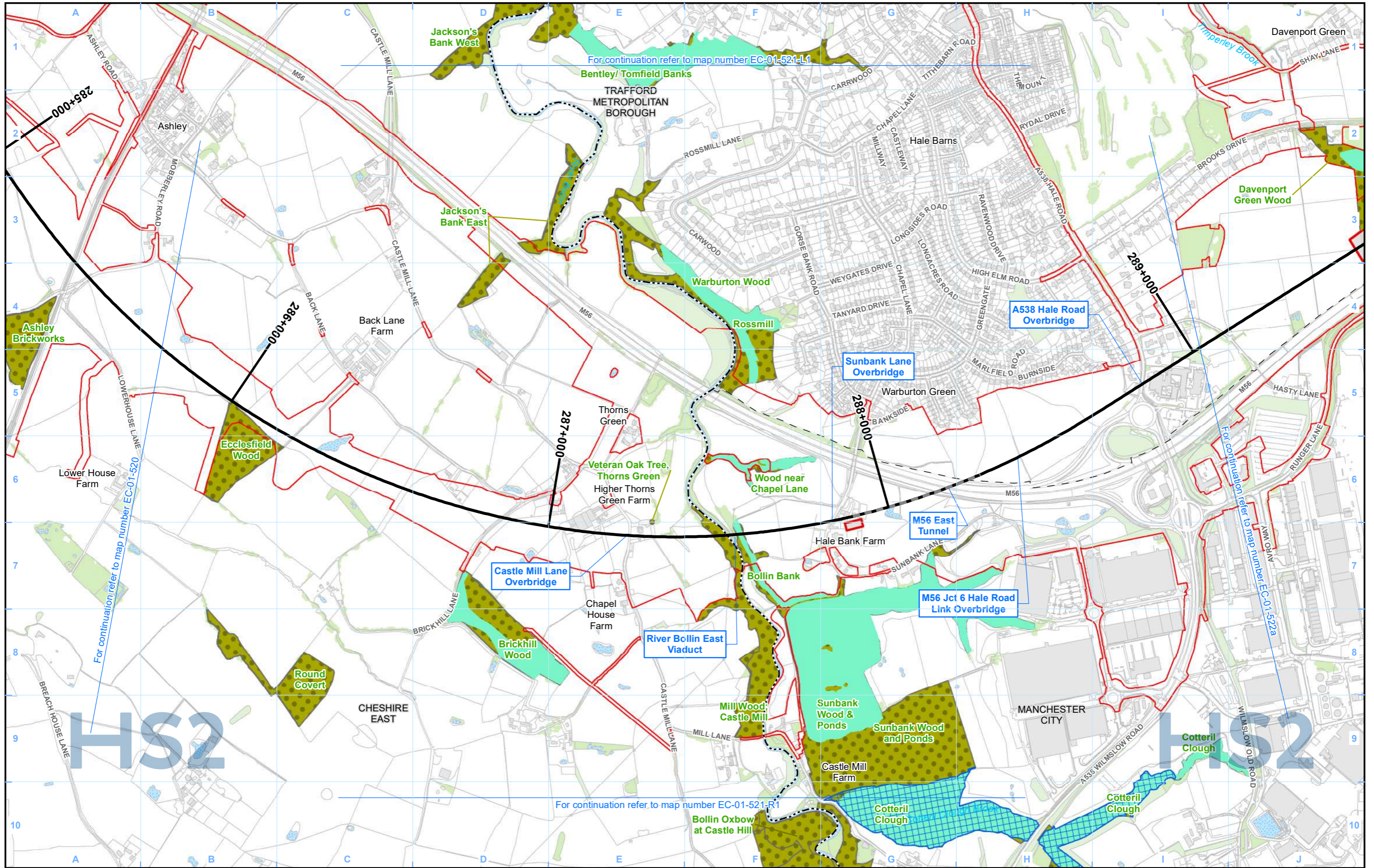
Scale at A3: 1:10,000

0 100 200 300 400 Metres



For continuation refer to map number EC-01-520

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 area boundary County boundary District/Borough boundary Watercourse Water body Woodland (verified by survey) Site of Special Scientific Interest (SSSI) Special Protection Area (SPA) Special Area of Conservation (SAC) Local Nature Reserve (LNR) Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI) National Nature Reserve (NNR) Ancient woodland Ramsar Site - Wetland of International Importance 		<p>N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.</p>	<p>Map Number: EC-01-520-R1</p> <p>Map Name: Designated Sites SES2 and AP2 ES</p> <p>Community Area MA06: Hulseheath to Manchester Airport</p>	<p>HS2</p> <p>Registered in England. Registration number 06791686. Registered office: Two Snowhill, Snow Hill Queensway, Birmingham B4 6GA.</p> <p>© Crown copyright and database rights 2023 OS 100049190</p> <p>Doc Number: 2PT27-MWJ-EV-MAP-M000-003599-P01</p>	<p>Scale at A3: 1:10,000</p> <p>Metres</p> <p>Date: 28/03/23</p>
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Legend

	Route in tunnel		Watercourse		Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI)
	Route on surface		Water body		National Nature Reserve (NNR)
	Depot, station, headhouse or portal building		Woodland (verified by survey)		Ancient woodland
	Land potentially required during construction		Site of Special Scientific Interest (SSSI)		Special Protection Area (SPA)
	Community area boundary		Special Area of Conservation (SAC)		Ramsar Site - Wetland of International Importance
	County boundary		Local Nature Reserve (LNR)		
	District/Borough boundary				

N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.

Map Number: EC-01-521
 Map Name: Designated Sites SES2 and AP2 ES
 Community Area MA06: Hulseheath to Manchester Airport

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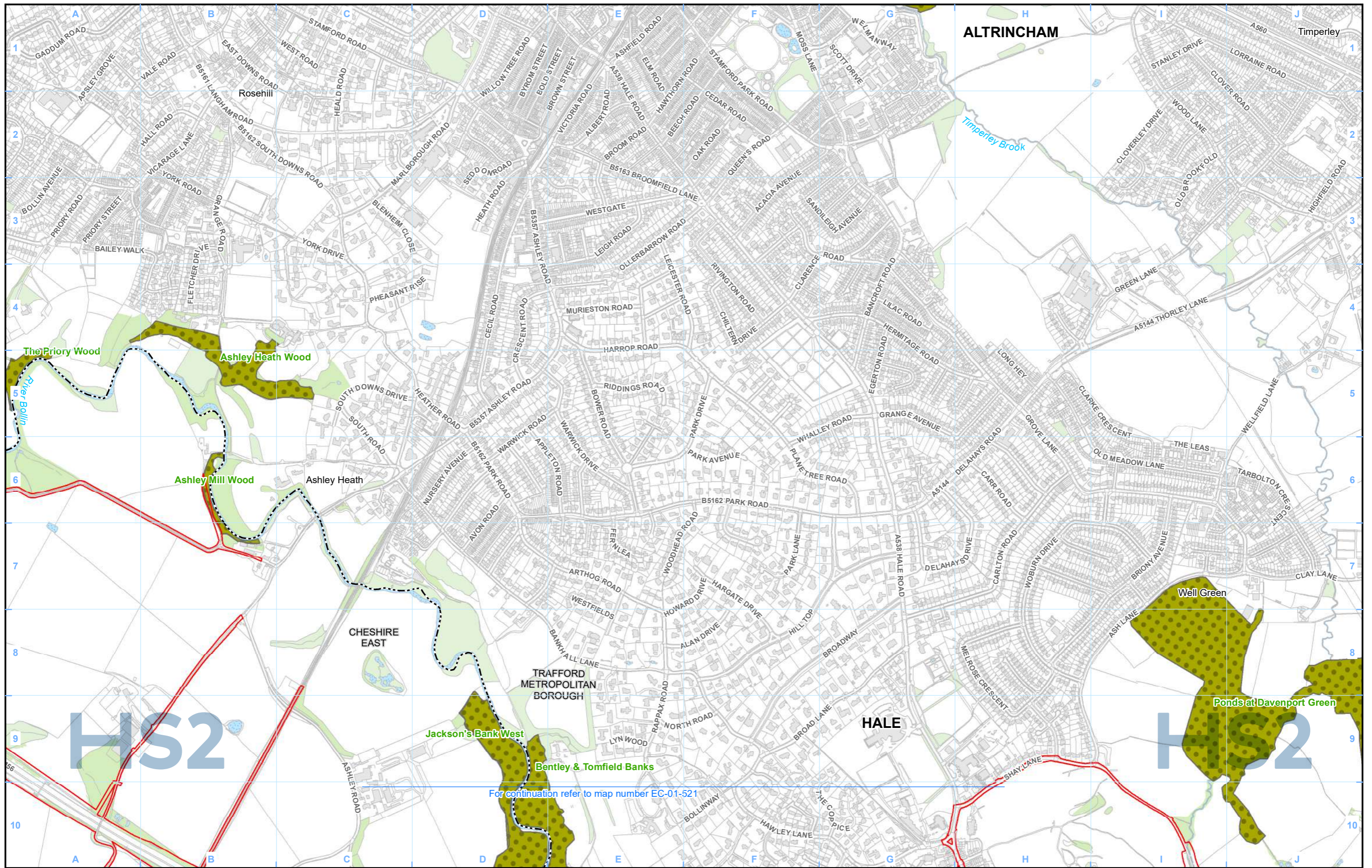
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Date: 28/03/23

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0 100 200 300 400 Metres



Legend

N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.

For continuation refer to map number EC-01-521

Map Number	EC-01-521-L1
Map Name	Designated Sites SES2 and AP2 ES
Community Area MA06: Hulseheath to Manchester Airport	

HS2

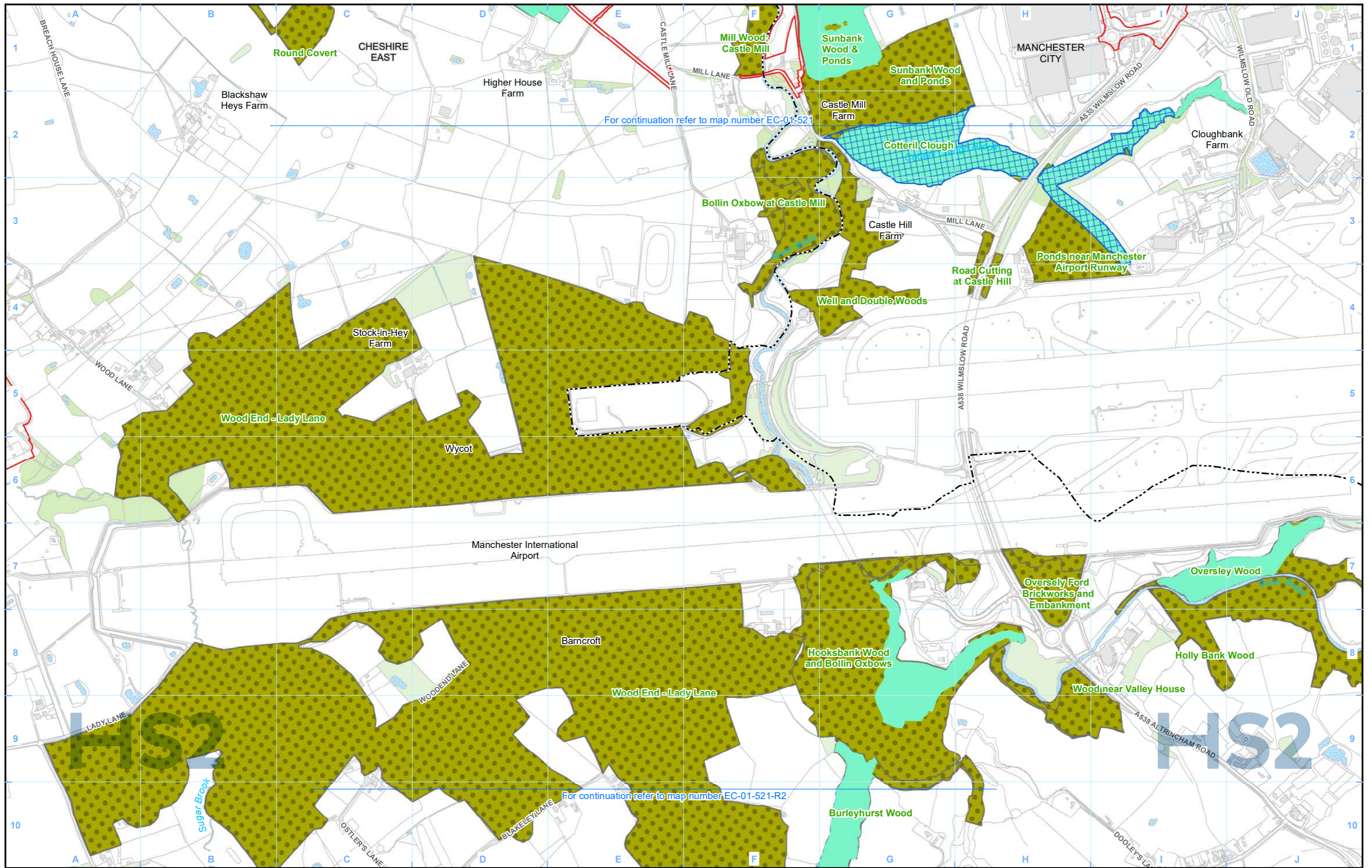
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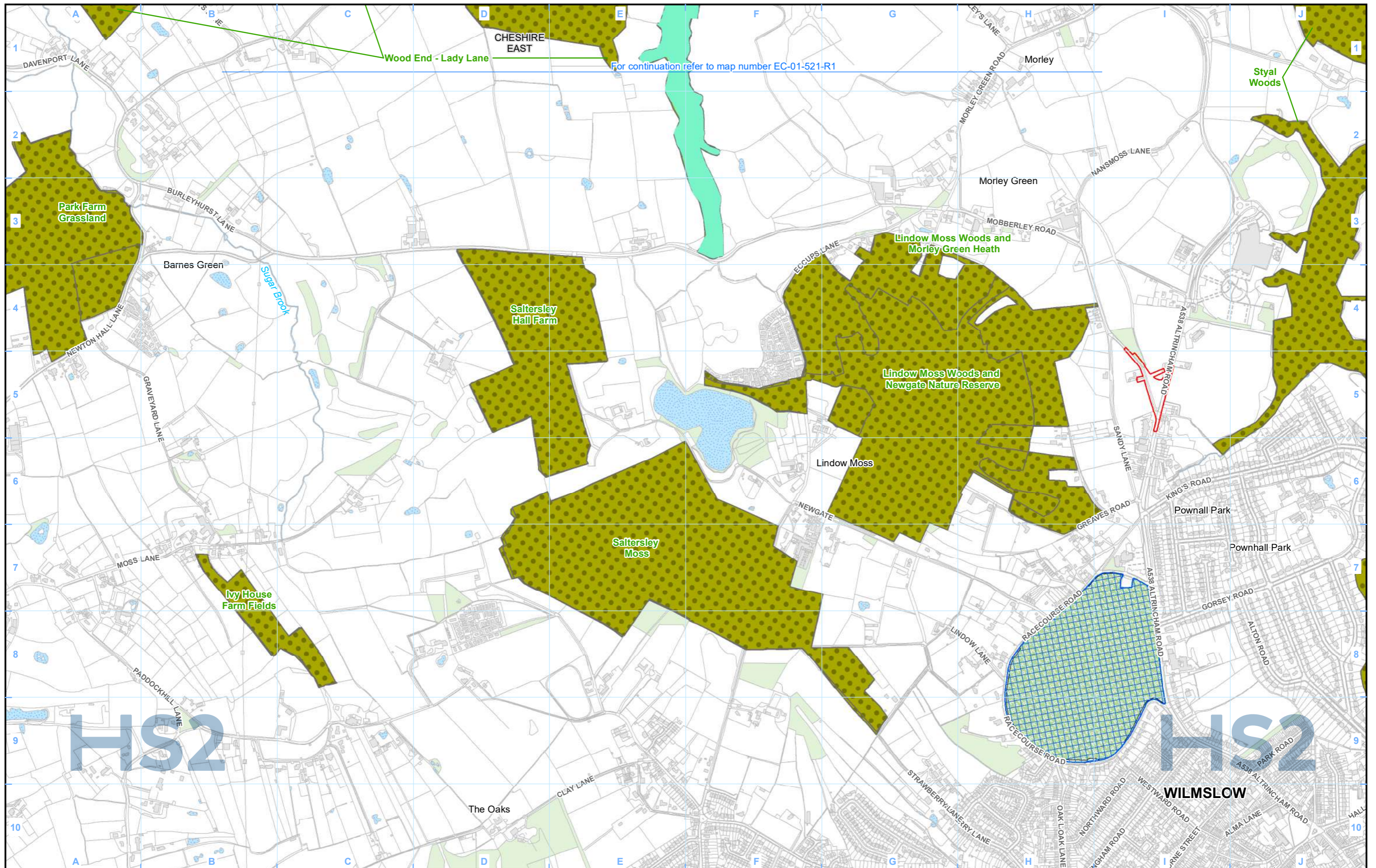
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Doc Number: 2PT27-MWJ-EV-MAP-M000-003600-P01

Date: 28/03/23



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 area boundary County boundary District/Borough boundary 		<ul style="list-style-type: none"> Watercourse Water body Woodland (verified by survey) Site of Special Scientific Interest (SSSI) Special Protection Area (SPA) Special Area of Conservation (SAC) Local Nature Reserve (LNR) 		<ul style="list-style-type: none"> Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI) National Nature Reserve (NNR) Ancient woodland Ramsar Site - Wetland of International Importance 		<p>N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.</p>		<p>Map Number EC-01-521-R1</p>	<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: Two Snowhill, Snow Hill Queensway, Birmingham B4 6GA.</p> <p>© Crown copyright and database rights 2023 OS 100049190</p> <p>Doc Number: 2PT27-MWJ-EV-MAP-M000-003672-P01</p>	<p>Scale at A3: 1:10,000</p> <p>0 100 200 300 400 Metres</p>
<p>Map Name Designated Sites SES2 and AP2 ES</p> <p>Community Area MA06: Hulseheath to Manchester Airport</p>		<p>Date: 28/03/23</p>								



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

- Watercourse
- Water body
- Woodland (verified by survey)
- Site of Special Scientific Interest (SSSI)
- Special Protection Area (SPA)
- Special Area of Conservation (SAC)
- Local Nature Reserve (LNR)

- Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI)
- National Nature Reserve (NNR)
- Ancient woodland
- Ramsar Site - Wetland of International Importance

N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.

Map Number: EC-01-521-R2
 Map Name: Designated Sites SES2 and AP2 ES
 Community Area MA06: Hulseheath to Manchester Airport

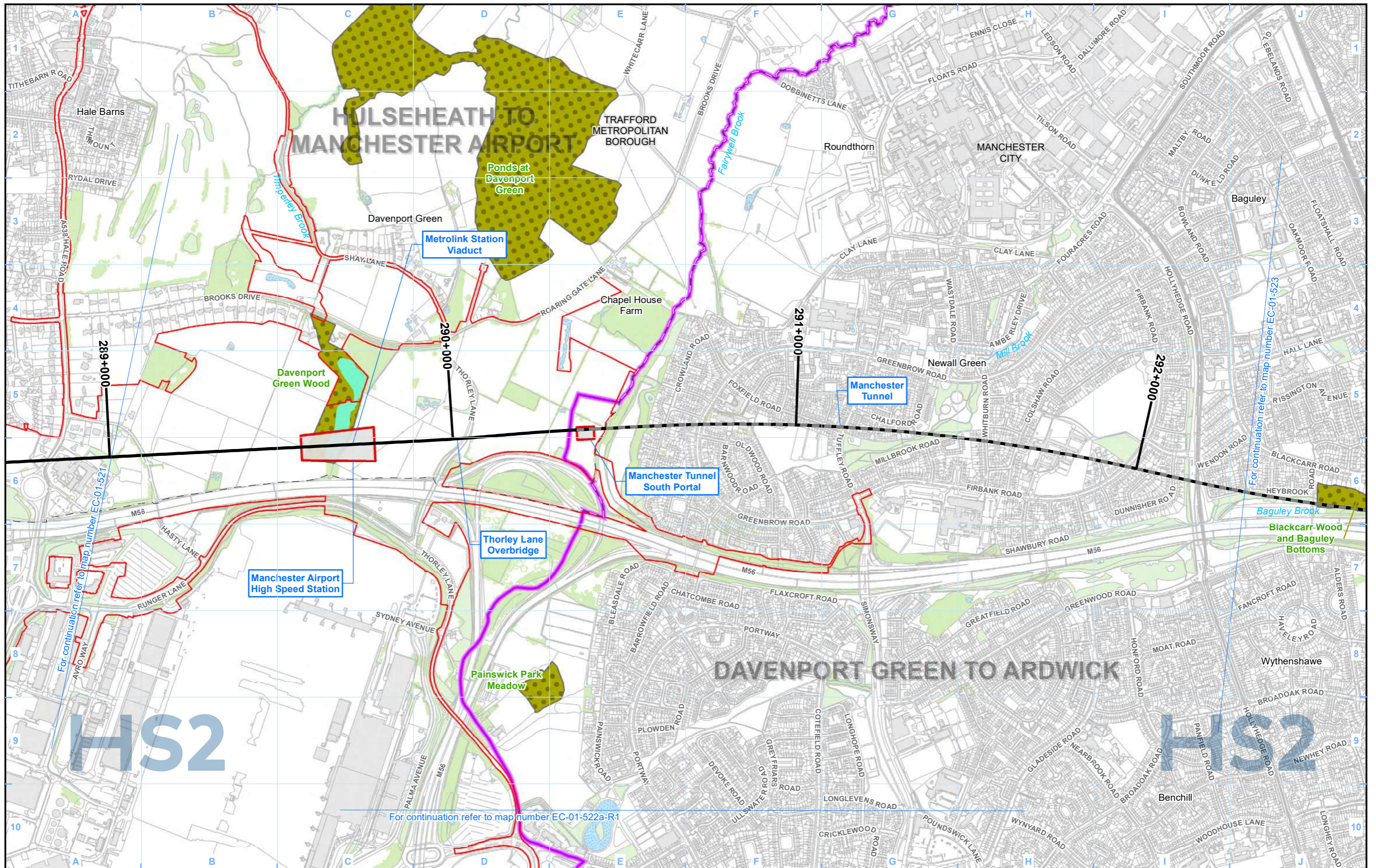
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Scale at A3: 1:10,000

Doc Number: 2PT27-MWJ-EV-MAP-M000-004666-P01
 Date: 28/03/23



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

- Watercourse
- Water body
- Woodland (verified by survey)
- Site of Special Scientific Interest (SSSI)
- Special Protection Area (SPA)
- Special Area of Conservation (SAC)
- Local Nature Reserve (LNR)

- Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI)
- National Nature Reserve (NNR)
- Ancient woodland
- Ramsar Site - Wetland of International Importance

N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.

Map Number: EC-01-522a

Map Name: Designated Sites SES2 and AP2 ES

Community Area MA06: Hulse Heath to Manchester Airport

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Doc Number: 2PT27-MWJ-EV-MAP-M000-000749-P01

Date: 06/04/23

Scale at A3: 1:10,000

Metres

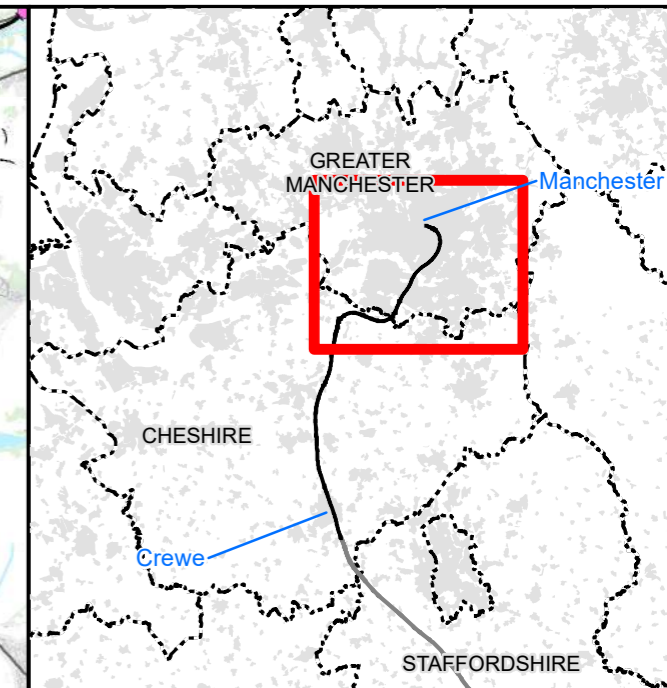
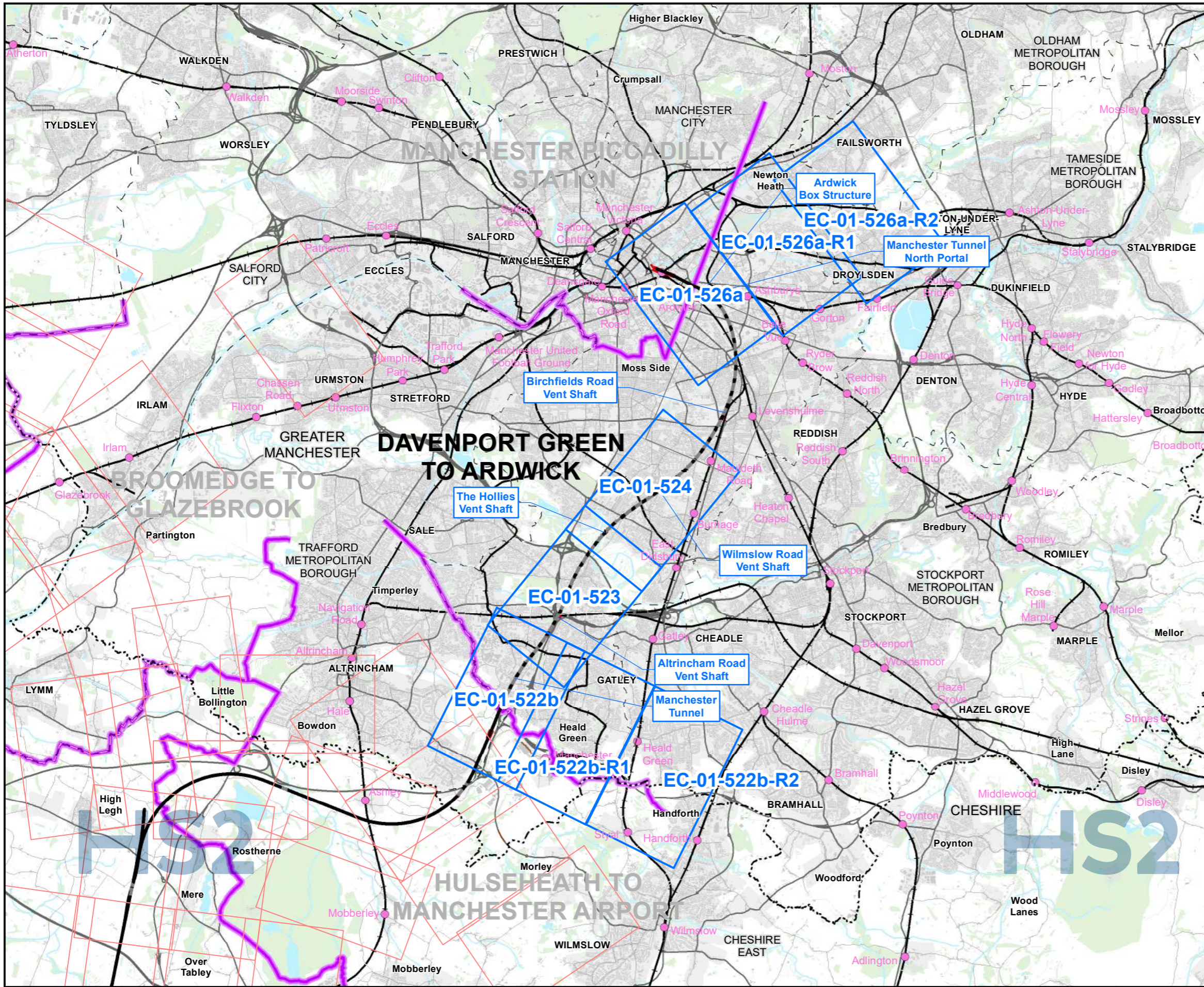
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High Speed Rail (Crewe – Manchester)

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

MA07: Davenport Green to Ardwick

EC-01 – Designated Sites



Map Series Information:

This map series shows statutory and non-statutory sites for nature conservation located in the vicinity of the land required for the construction of the Proposed Scheme. They also show the location of Nature Reserves of the RSPB and Wildlife Trusts, and ancient woodland.

Main Map Legend

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

Map Number	EC-01-INDEX-MA07
Map Name	Index Map of: Designated Sites SES2 and AP2 ES
Community Area MA07: Davenport Green to Ardwick	

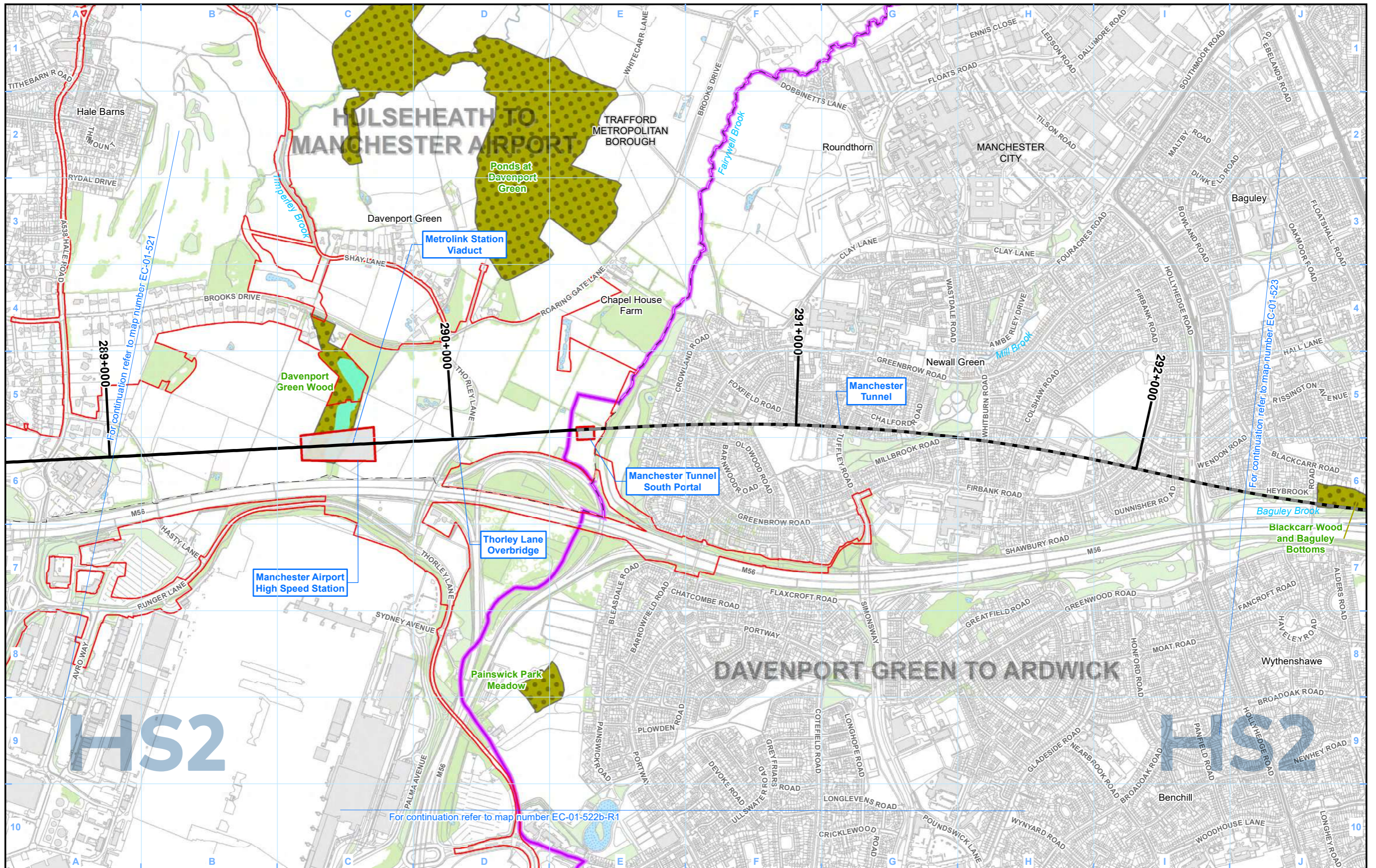
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Doc Number: 2PT27-MWJ-EV-MAP-M000-000765-P01 **Date:** 23/03/23



Legend

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

- Watercourse
- Water body
- Woodland (verified by survey)
- Site of Special Scientific Interest (SSSI)
- Special Protection Area (SPA)
- Special Area of Conservation (SAC)
- Local Nature Reserve (LNR)

- Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI)
- National Nature Reserve (NNR)
- Ancient woodland
- Ramsar Site - Wetland of International Importance

N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.

Map Number
EC-01-522b

Map Name
**Designated Sites
SES2 and AP2 ES**

Community Area MA07:
Davenport Green to Ardwick

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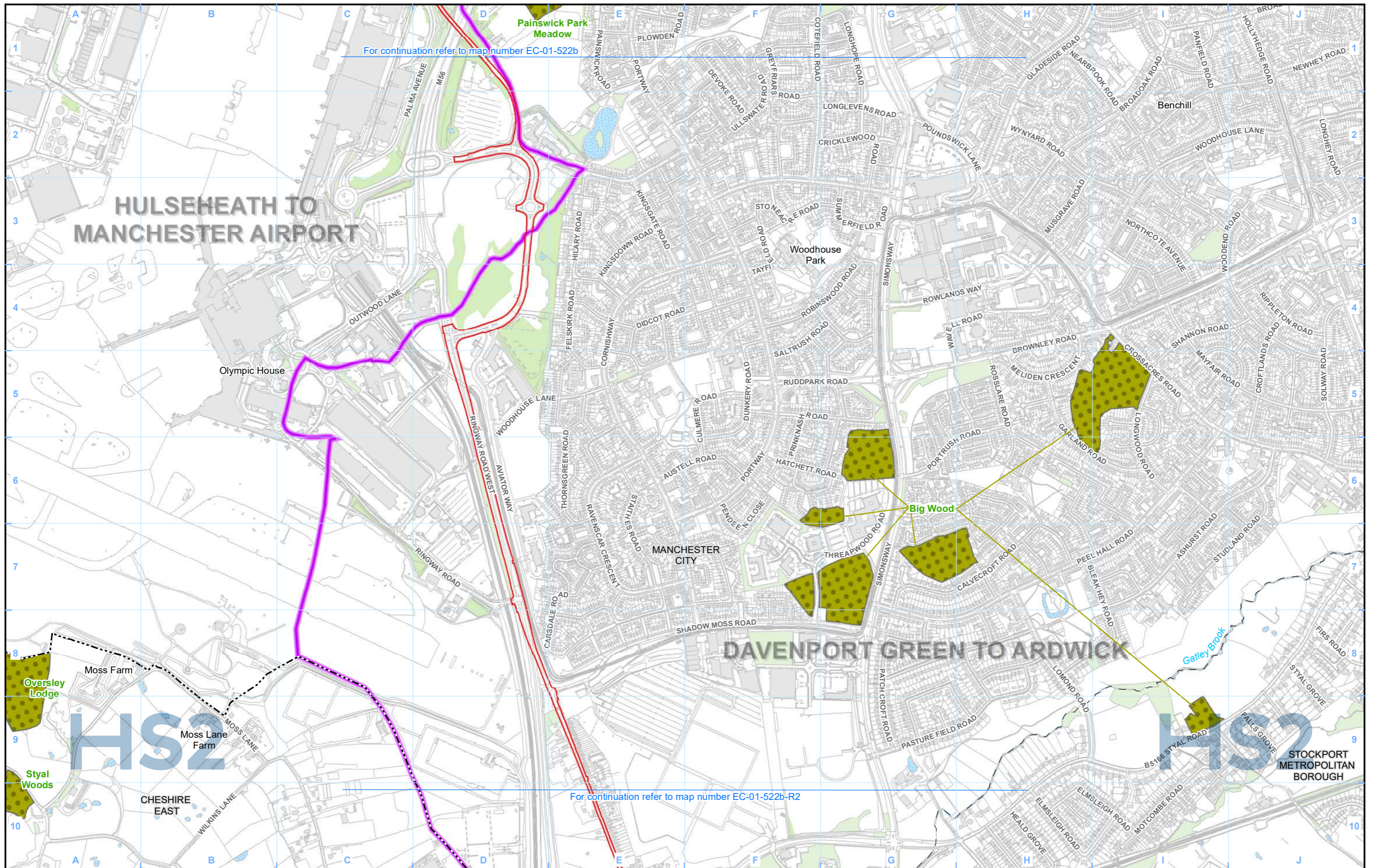
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Doc Number: 2PT27-MWJ-EV-MAP-M000-000750-P01

Scale at A3: 1:10,000

Metres

Date: 06/04/23



For continuation refer to map number EC-01-522b

For continuation refer to map number EC-01-522b-R2

- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Land potentially required during construction
 - Community area boundary
 - County boundary
 - District/Borough boundary
 - Watercourse
 - Water body
 - Woodland (verified by survey)
 - Site of Special Scientific Interest (SSSI)
 - Special Protection Area (SPA)
 - Special Area of Conservation (SAC)
 - Local Nature Reserve (LNR)
 - Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI)
 - National Nature Reserve (NNR)
 - Ancient woodland
 - Ramsar Site - Wetland of International Importance

N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.

Map Number **EC-01-522b-R1**

Map Name **Designated Sites SES2 and AP2 ES**

Community Area MA07: Davenport Green to Ardwick

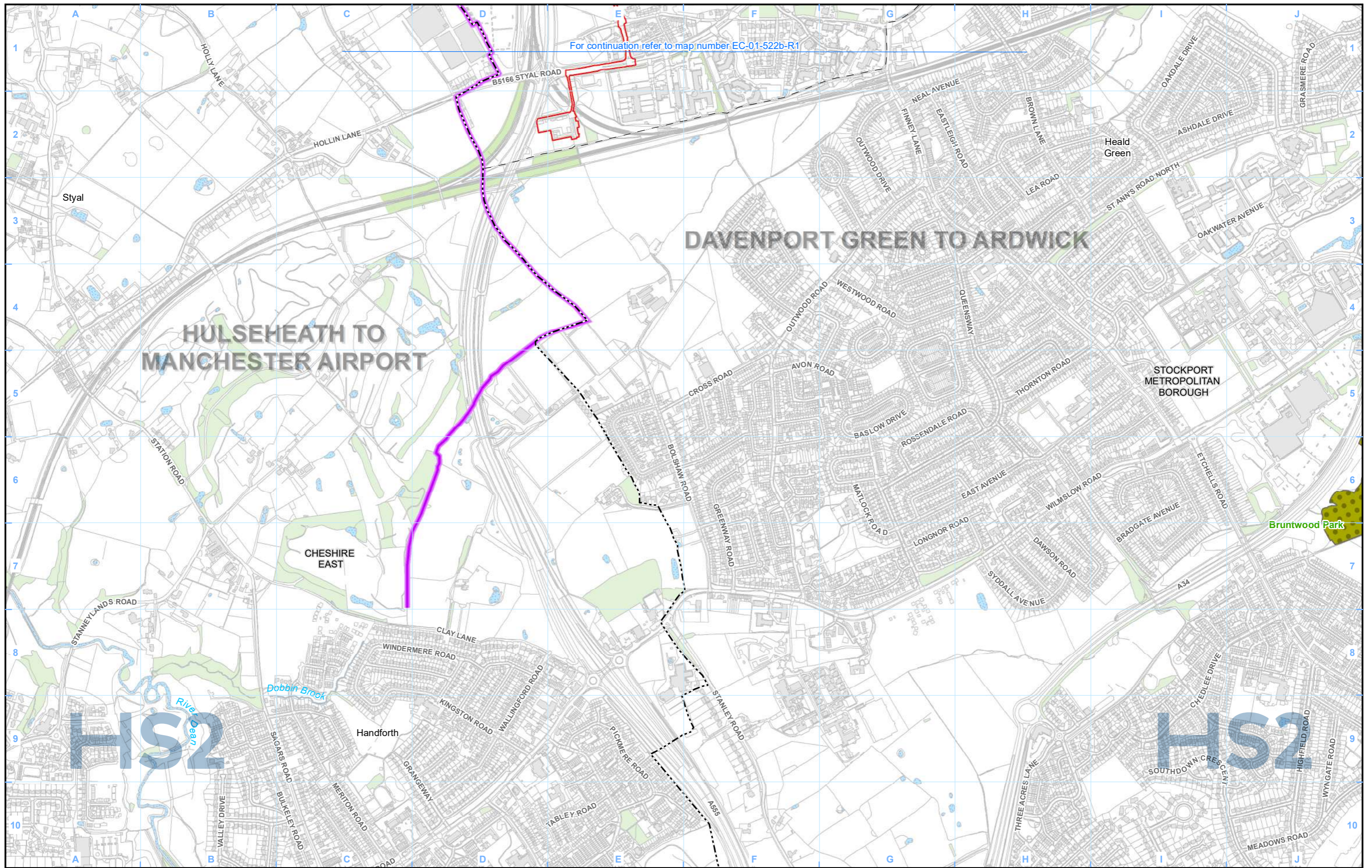
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For continuation refer to map number EC-01-522b-R1

HULSEHEATH TO MANCHESTER AIRPORT

DAVENPORT GREEN TO ARDWICK

STOCKPORT METROPOLITAN BOROUGH

CHESHIRE EAST

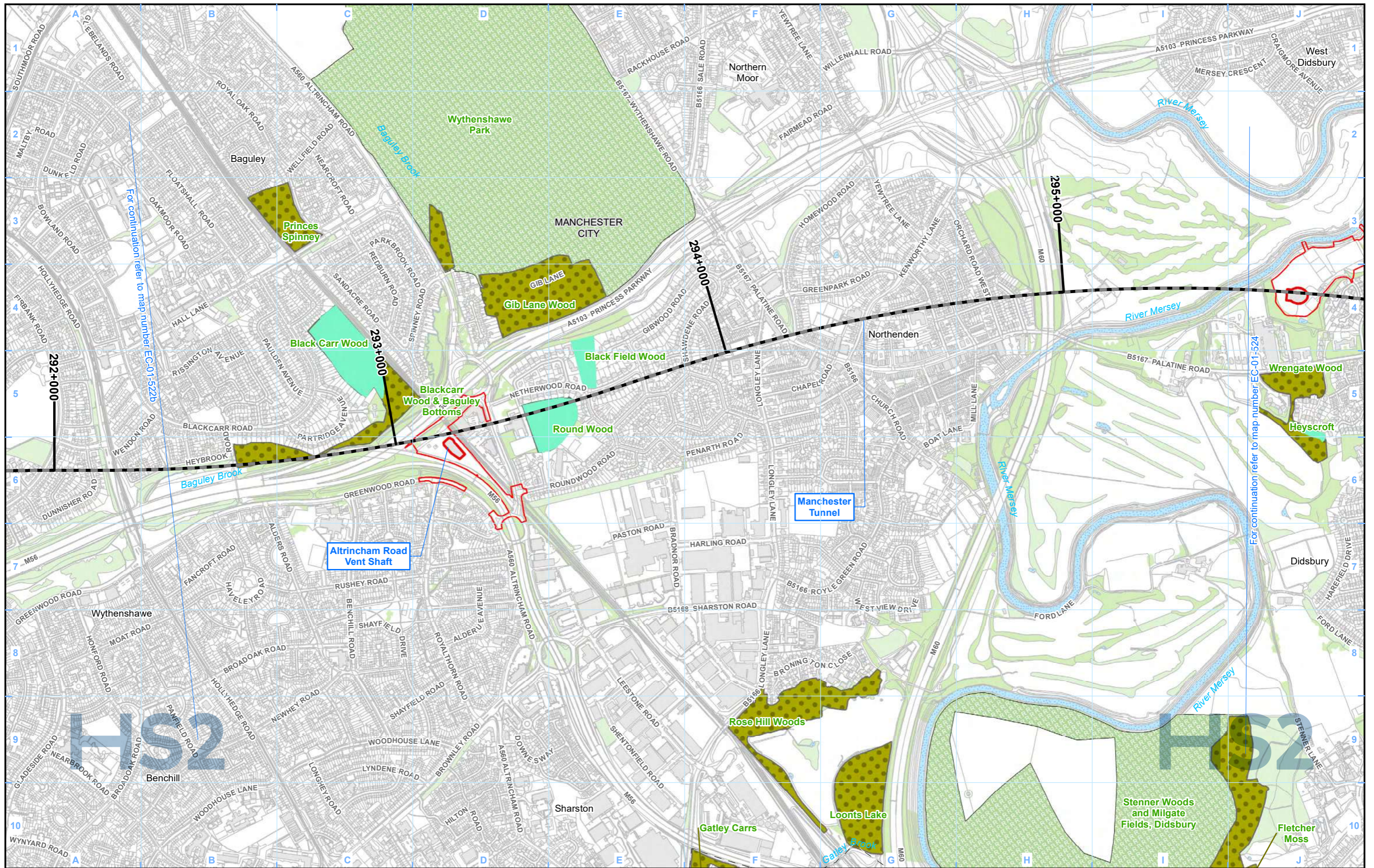
Handforth

Bruntwood Park

HS2
River Dear

HS2

<p>Legend</p> <ul style="list-style-type: none"> Route in tunnel Route on surface Depot, station, headhouse or portal building Land potentially required during construction Community area boundary County boundary District/Borough boundary Watercourse Water body Woodland (verified by survey) Site of Special Scientific Interest (SSSI) Special Protection Area (SPA) Special Area of Conservation (SAC) Local Nature Reserve (LNR) Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI) National Nature Reserve (NNR) Ancient woodland Ramsar Site - Wetland of International Importance 		<p>N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.</p>	<p>Map Number: EC-01-522b-R2</p> <p>Map Name: Designated Sites SES2 and AP2 ES</p> <p>Community Area MA07: Davenport Green to Ardwick</p>	<p>HS2</p> <p>Registered in England. Registration number 06791686. Registered office: Two Snowhill, Snow Hill Queensway, Birmingham B4 6QA.</p> <p>© Crown copyright and database rights 2023 OS 100049190</p> <p>Doc Number: 2PT27-MWJ-EV-MAP-M000-003602-P01</p> <p>Date: 23/03/23</p>	<p>Scale at A3: 1:10,000</p>
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	Route in tunnel
	Route on surface
	Depot, station, headhouse or portal building
	Land potentially required during construction
	Community area boundary
	County boundary
	District/Borough boundary

	Watercourse
	Water body
	Woodland (verified by survey)
	Site of Special Scientific Interest (SSSI)
	Special Protection Area (SPA)
	Special Area of Conservation (SAC)
	Local Nature Reserve (LNR)

	Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI)
	National Nature Reserve (NNR)
	Ancient woodland
	Ramsar Site - Wetland of International Importance

N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.

Map Number	EC-01-523
Map Name	Designated Sites SES2 and AP2 ES
Community Area MA07: Davenport Green to Ardwick	

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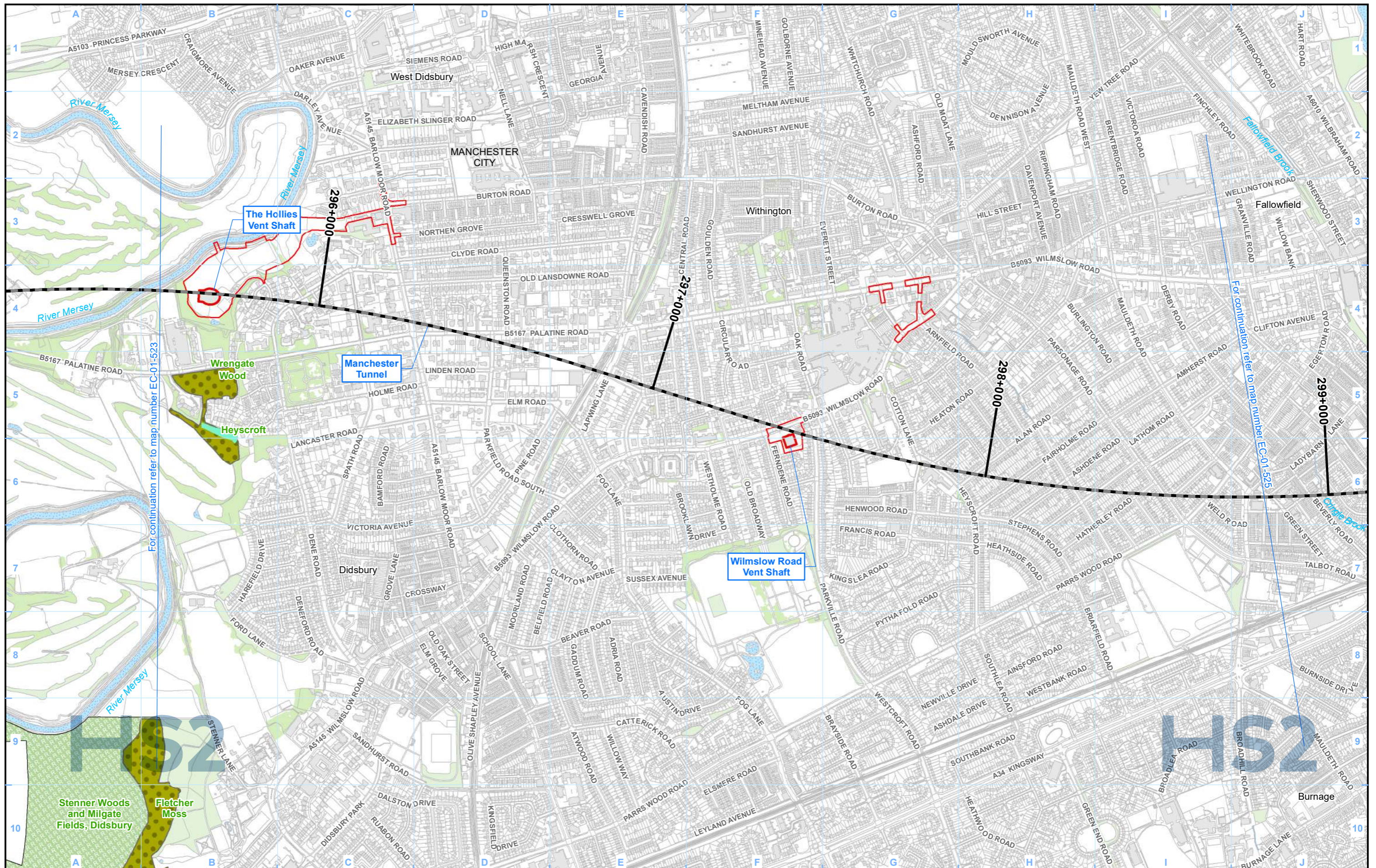
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Metres

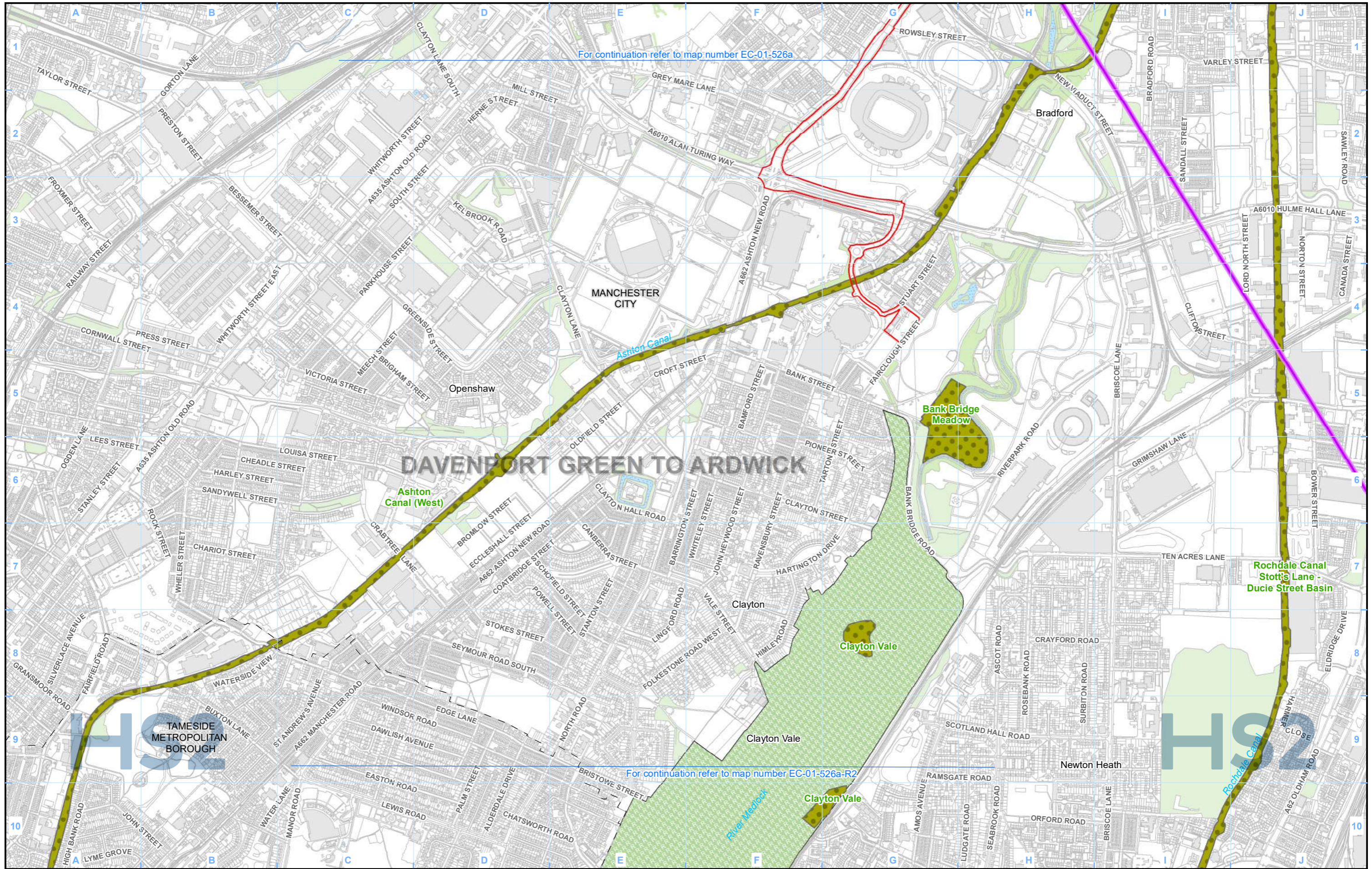
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For continuation refer to map number EC-01-522b

For continuation refer to map number EC-01-524



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For continuation refer to map number EC-01-526a

For continuation refer to map number EC-01-526a-R2

Legend

N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.

Map Number	EC-01-526a-R1
Map Name	Designated Sites SES2 and AP2 ES
	Community Area MA07: Davenport Green to Ardwick

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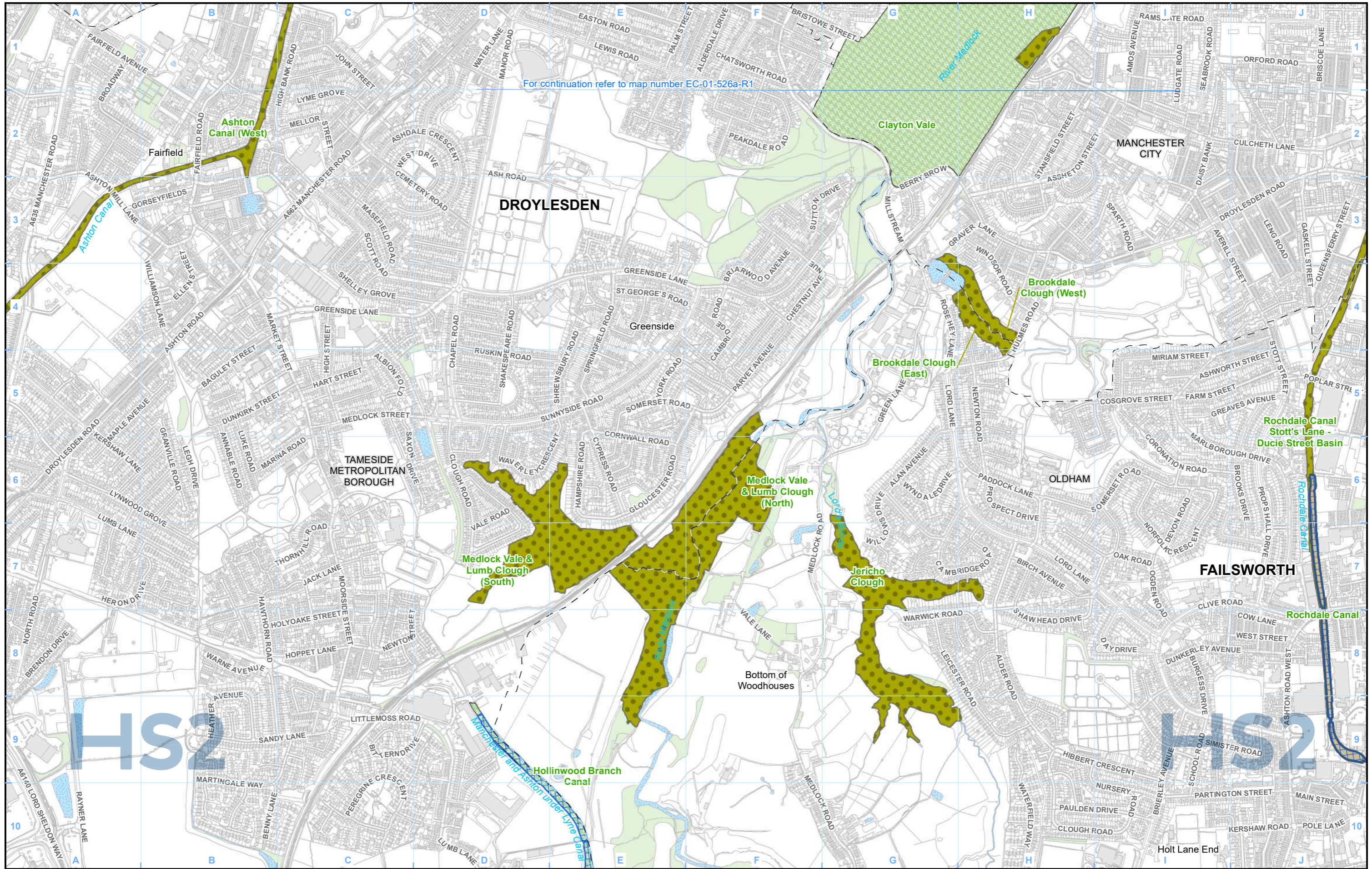
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Date: 23/03/23

Scale at A3: 1:10,000

0 100 200 300 400
Metres



For continuation refer to map number EC-01-526a-R1

Legend

N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.

Map Number	EC-01-526a-R2
Map Name	Designated Sites SES2 and AP2 ES
	Community Area MA07: Davenport Green to Ardwick

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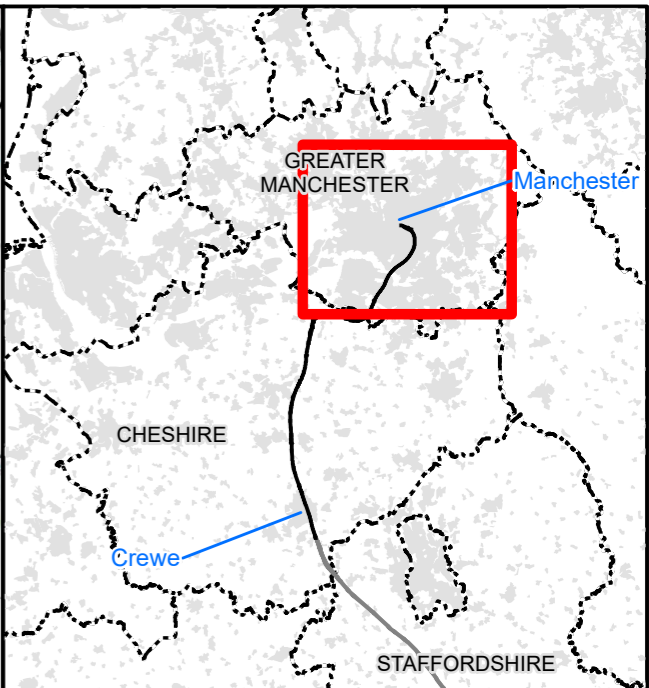
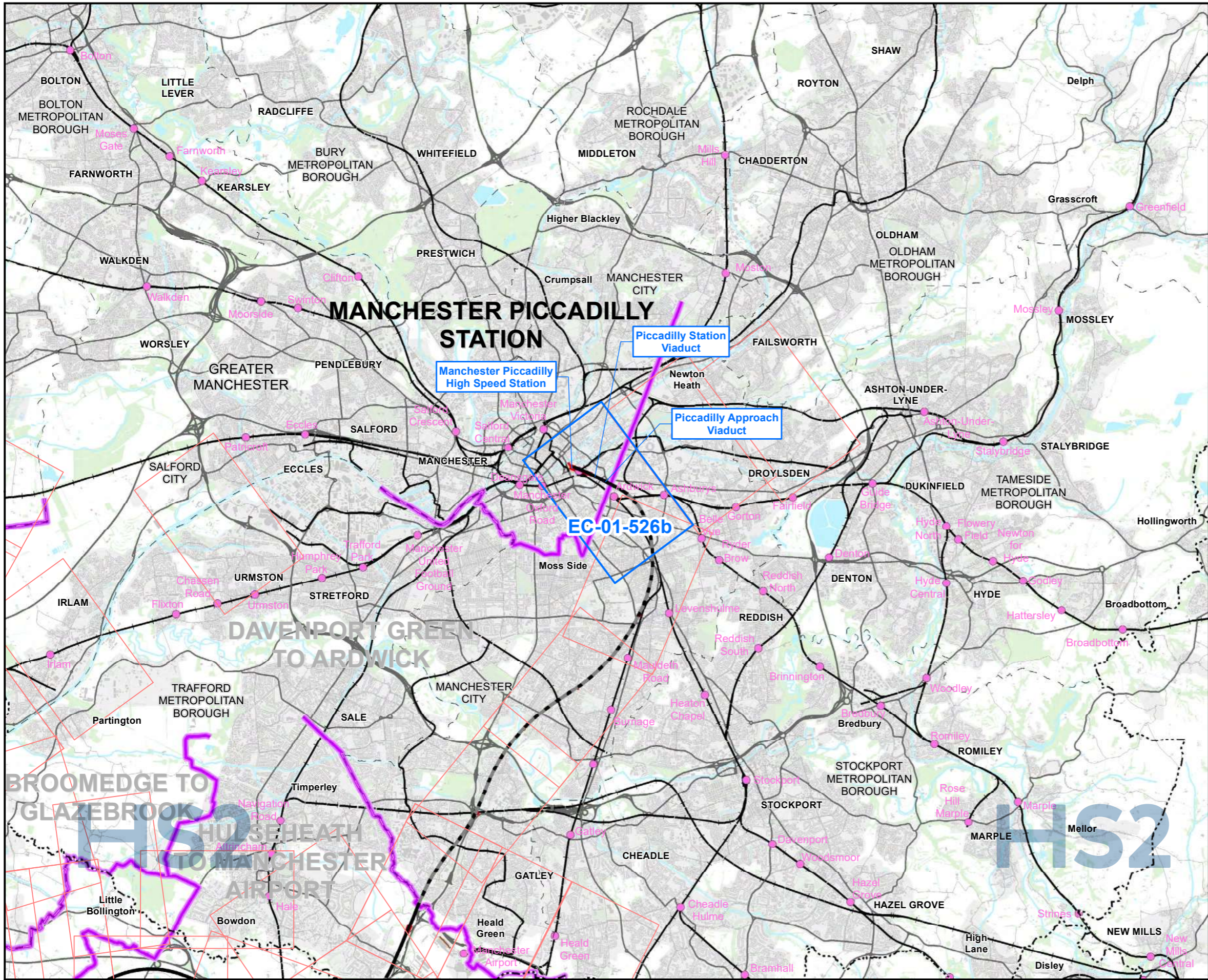
Date: 23/03/23

High Speed Rail (Crewe – Manchester)

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

MA08: Manchester Piccadilly Station

EC-01 – Designated Sites



Map Series Information:

This map series shows statutory and non-statutory sites for nature conservation located in the vicinity of the land required for the construction of the Proposed Scheme. They also show the location of Nature Reserves of the RSPB and Wildlife Trusts, and ancient woodland.

Main Map Legend

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

Map Number	EC-01-INDEX-MA08
Map Name	Index Map of: Designated Sites SES2 and AP2 ES Community Area MA08: Manchester Piccadilly Station

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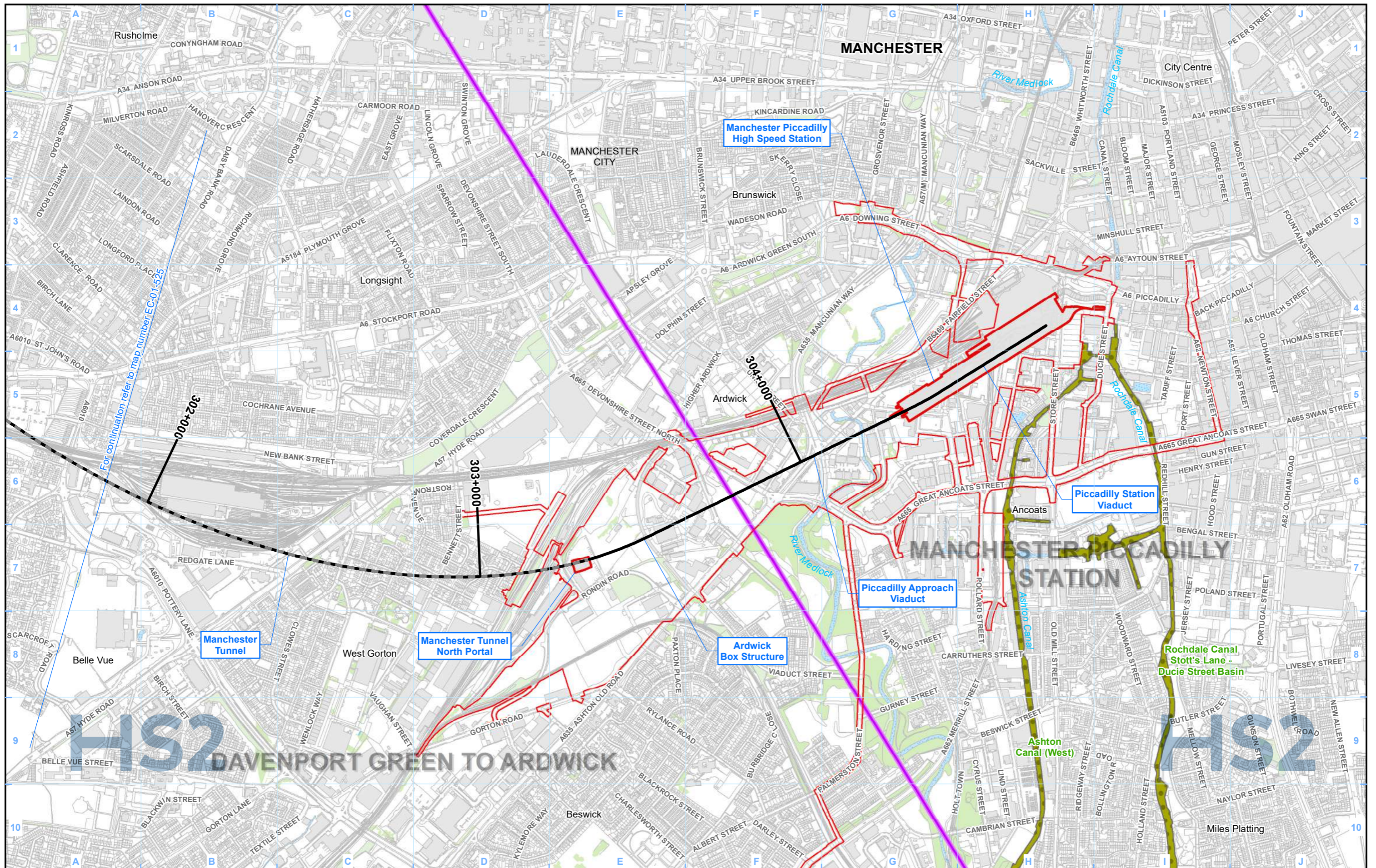
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Doc Number: 2PT27-MWJ-EV-MAP-M000-000766-P01

Date: 03/04/23

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



Legend

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Map Number	EC-01-526b
Map Name	Designated Sites SES2 and AP2 ES
	Community Area MA08: Manchester Piccadilly Station

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Doc Number: 2PT27-MWJ-EV-MAP-M000-000755-P01

Date: 28/03/23

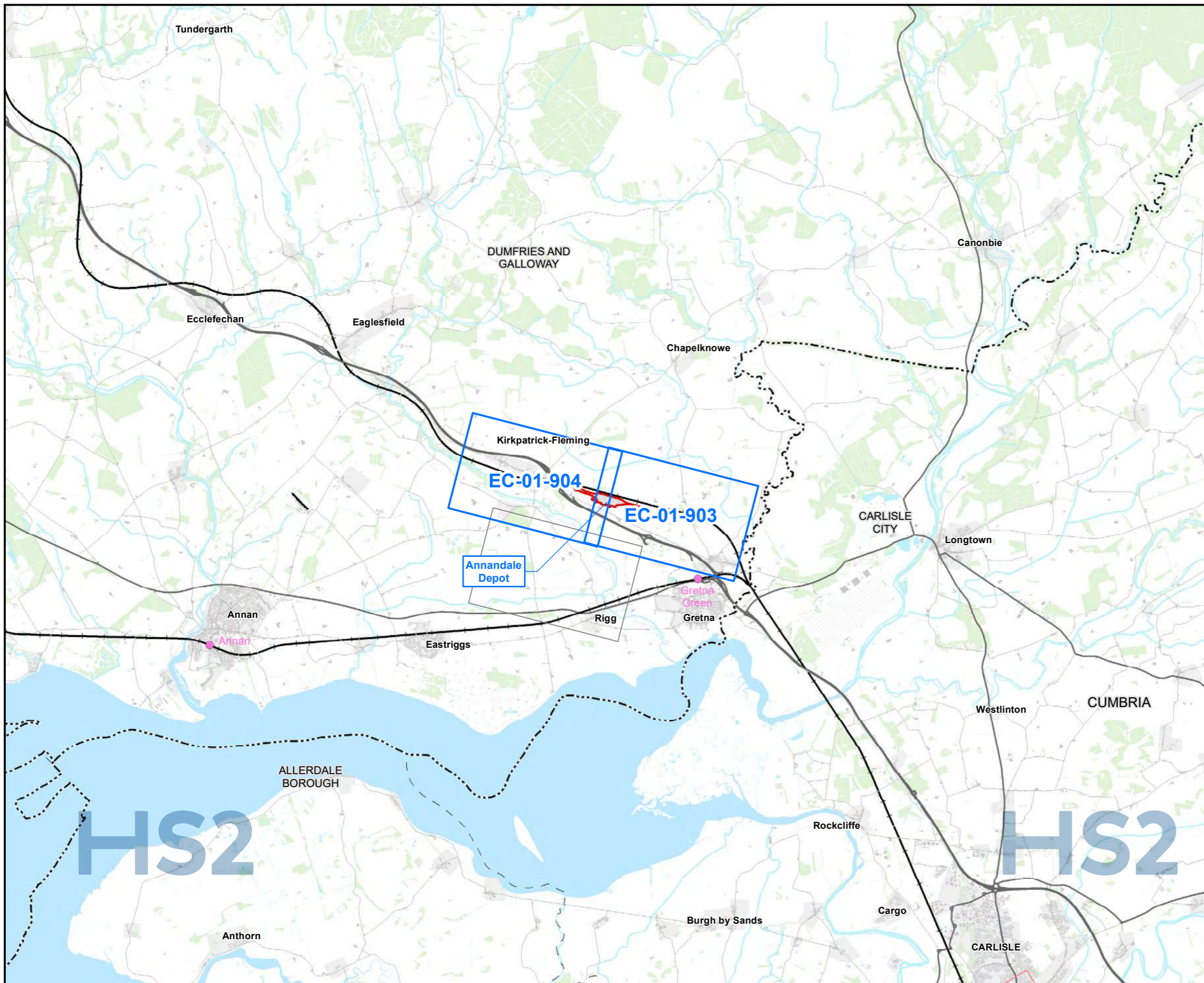
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**High Speed Rail
(Crewe – Manchester)**

**Supplementary Environmental Statement 2 and
Additional Provision 2 Environmental Statement**

Annandale Depot

EC-01 - Designated sites



Map Series Information:

This map series shows statutory and non-statutory sites for nature conservation located in the vicinity of the land required for the construction of the Proposed Scheme. They also show the location of Nature Reserves of the RSPB and Wildlife Trusts, and ancient woodland.

Main Map Legend

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

Map Number	EC-01-INDEX-ADEP
Map Name	Index Map of: Designated Sites SES2 and AP2 ES Off-route ADEP: Annandale Depot

HS2

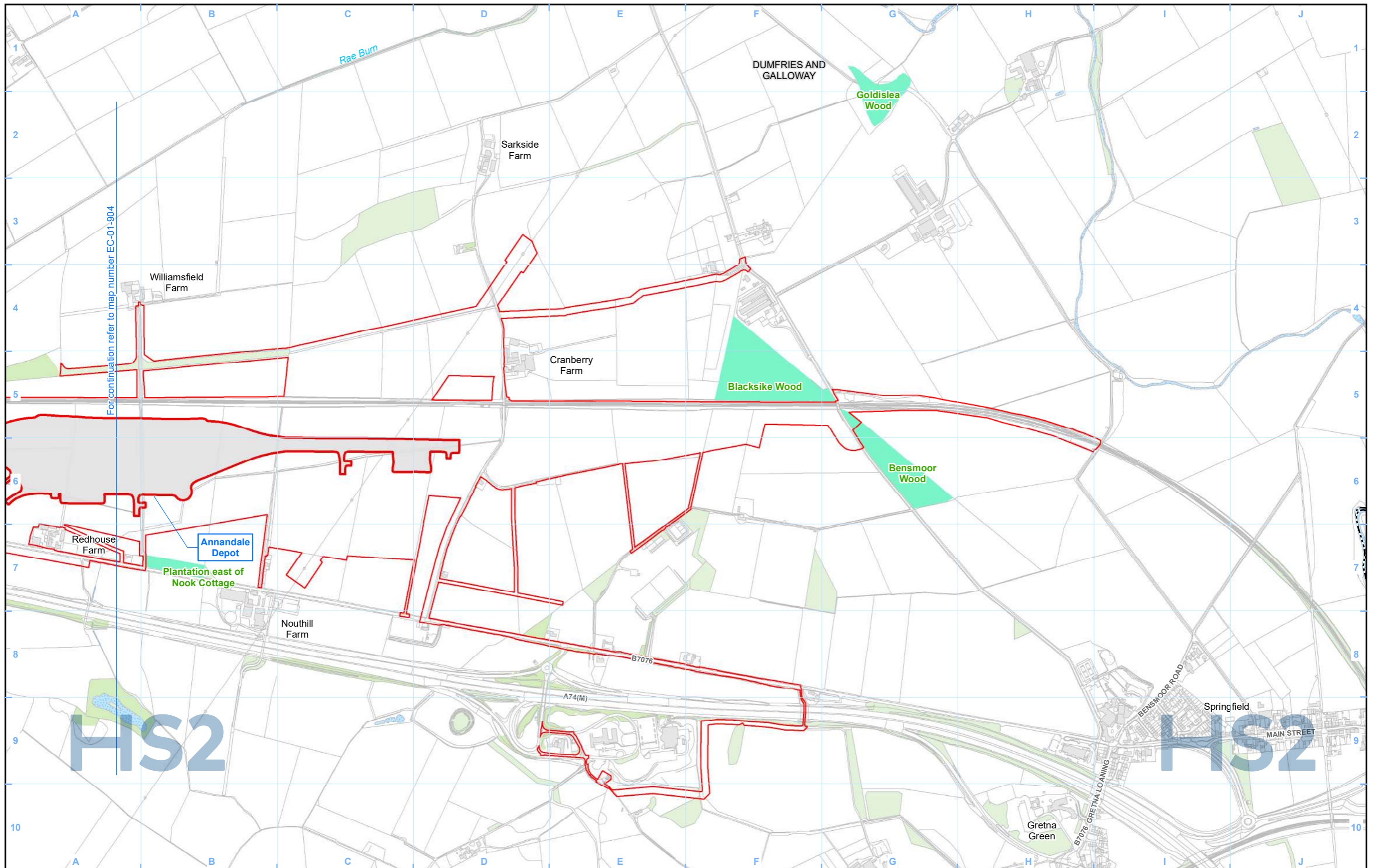
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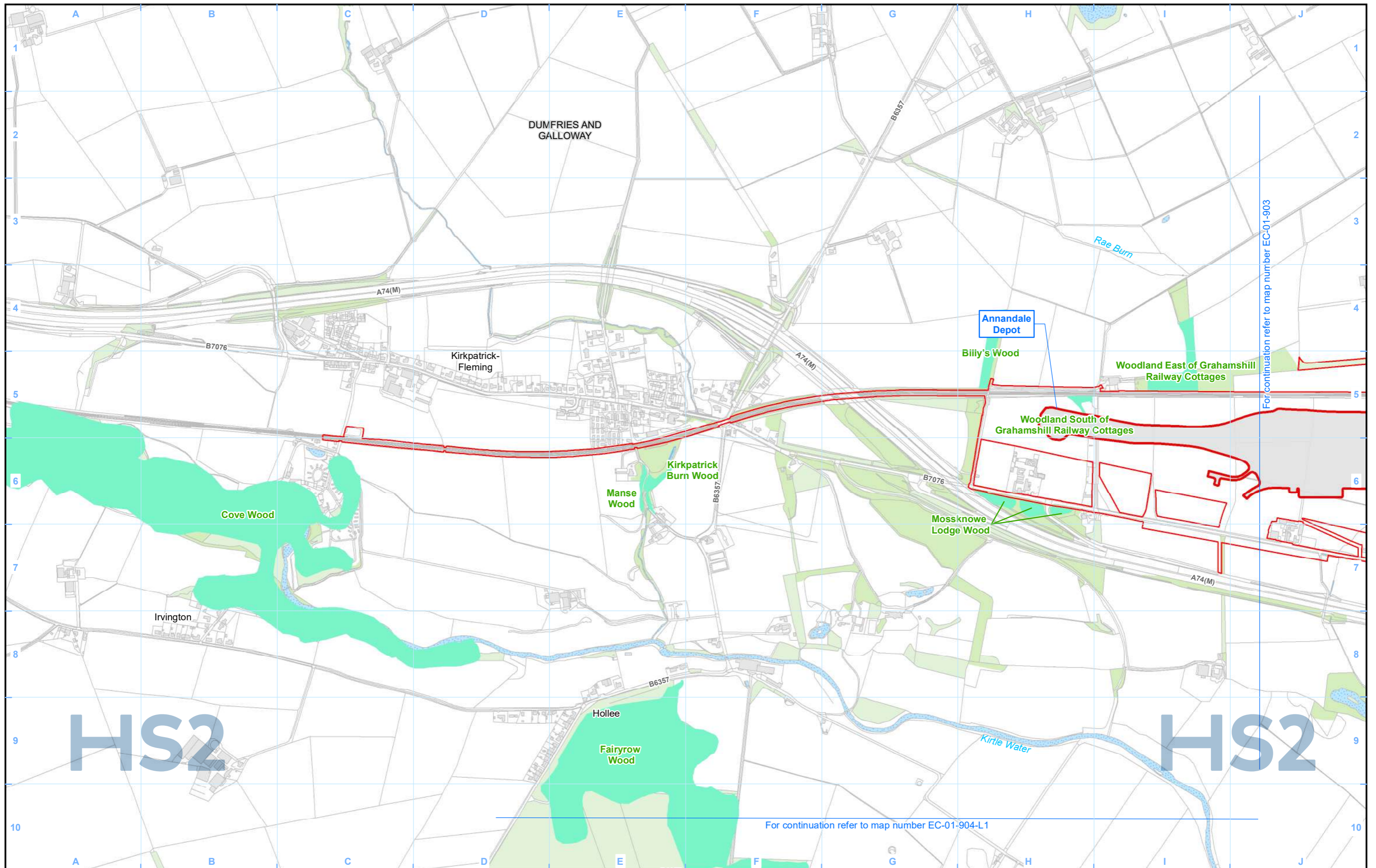
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Doc Number: 2PT27-MWJ-EV-MAP-M000-000768-P01 Date: 03/04/23



For continuation refer to map number EC-01-904

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 area boundary County boundary District/Borough boundary Watercourse Water body Woodland (verified by survey) Site of Special Scientific Interest (SSSI) Special Protection Area (SPA) Special Area of Conservation (SAC) Local Nature Reserve (LNR) Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI) National Nature Reserve (NNR) Ancient woodland Ramsar Site - Wetland of International Importance 		<p>N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.</p>	<p>Map Number: EC-01-903</p> <p>Map Name: Designated Sites SES2 and AP2 ES</p> <p>Off-route ADEP: Annandale Depot</p>	<p>HS2</p> <p>Registered in England. Registration number 06791686. Registered office: Two Snowhill, Snow Hill Queensway, Birmingham B4 6QA.</p> <p>© Crown copyright and database rights 2023 OS 100049190</p> <p>Doc Number: 2PT27-MWJ-EV-MAP-M000-000758-P01</p>	<p>Scale at A3: 1:10,000</p> <p>Metres</p> <p>Date: 28/03/23</p>
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For continuation refer to map number EC-01-903

For continuation refer to map number EC-01-904-L1

<p>Legend</p> <ul style="list-style-type: none"> Route in tunnel Route on surface Depot, station, headhouse or portal building Land potentially required during construction Community area boundary County boundary District/Borough boundary Watercourse Water body Woodland (verified by survey) Site of Special Scientific Interest (SSSI) Special Protection Area (SPA) Special Area of Conservation (SAC) Local Nature Reserve (LNR) Local Wildlife Sites (LWS) / Sites of Biological Importance (SBI) National Nature Reserve (NNR) Ancient woodland Ramsar Site - Wetland of International Importance 	<p>N.B. Due to the overlapping nature of some ecological designations and the range of different site designations that occur across the route individual designations may on occasion be obscured. In all cases where an area of land is covered by more than one ecological designation, as a minimum the ecological designation of highest value is visible.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;">Map Number</td> <td style="text-align: center; padding: 5px;">EC-01-904</td> </tr> <tr> <td style="padding: 5px;">Map Name</td> <td style="text-align: center; padding: 5px;">Designated Sites SES2 and AP2 ES</td> </tr> <tr> <td style="padding: 5px;">Off-route ADEP:</td> <td style="text-align: center; padding: 5px;">Annandale Depot</td> </tr> </table> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 10px;"> <div style="text-align: center;"> <p style="font-size: 8px;">Registered in England. Registration number 06791686. Registered office: Two Snowhill, Snow Hill Queensway, Birmingham B4 6GA.</p> <p style="font-size: 8px;">© Crown copyright and database rights 2023 OS 100049190</p> <p style="font-size: 8px;">Doc Number: 2PT27-MWJ-EV-MAP-M000-002671-P01</p> </div> <div style="text-align: center;"> <p>Scale at A3: 1:10,000</p> <p style="font-size: 8px;">Metres</p> </div> <div style="text-align: center;"> <p style="font-size: 8px;">Date: 28/03/23</p> </div> </div>	Map Number	EC-01-904	Map Name	Designated Sites SES2 and AP2 ES	Off-route ADEP:	Annandale Depot
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