

High Speed Rail: Phase 2b Preferred Route

Sustainability Statement including Post Consultation Update

Volume 2: Maps

A report by Temple-RSK for HS2 Ltd



November 2016

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Data Dictionary and Definitions

Data Dictionary and Definitions for Environmental Features

Legend Features	Definition	Source	Copyright
Agricultural Land Classification	<p>The Agricultural Land Classification (ALC) provides a method for assessing the quality of farmland. The ALC system classifies land into five grades, with Grade 3 subdivided into Subgrades 3a and 3b.</p> <p>The best and most versatile land is defined as Grades 1, 2 and 3a. This is the land which is most flexible, productive and efficient in response to inputs.</p> <p>Grades 1 and 2 are only displayed as is consistent with the methodology. The maps show Agricultural Land Grade 1 and Grade 2.</p>	Natural England	© Natural England copyright 2016 Contains Ordnance Survey data © Crown copyright and database right 2016. All rights reserved. Ordnance Survey Licence number 100022021. http://www.naturalengland.org.uk/Images/open-government-licence-NE-OS_tcm6-30743.pdf
Ancient Woodland	Ancient Woodland Inventory. Ancient Woodland is land that has had continuous woodland cover since at least 1600AD.	Natural England	© Natural England copyright 2016 Contains Ordnance Survey data © Crown copyright and database right 2016. All rights reserved. Ordnance Survey Licence number 100022021. http://www.naturalengland.org.uk/Images/open-government-licence-NE-OS_tcm6-30743.pdf
Area of Outstanding Natural Beauty (AONB)	<p>An Area of Outstanding Natural Beauty (AONB) is an area of high scenic quality which has statutory protection in order to conserve and enhance the natural beauty of its landscape. AONB landscapes range from rugged coastline to water meadows to gentle lowland and upland moors.</p> <p>Natural England has a statutory power to designate land as Areas of Outstanding Natural Beauty under the Countryside and Rights of Way Act 2000.</p>	Natural England	© Natural England copyright 2016 Contains Ordnance Survey data © Crown copyright and database right 2016. All rights reserved. Ordnance Survey Licence number 100022021. http://www.naturalengland.org.uk/Images/open-government-licence-NE-OS_tcm6-30743.pdf
Areas where dwellings are potentially eligible for noise insulation	Indicates where dwellings could potentially qualify for noise insulation under The Noise Insulation (Railway) Regulations (NIRR 1996) due to noise from operation of the High Speed Two (HS2) Phase Two scheme.	High Speed Two (HS2) Ltd	
Areas where dwellings potentially experience a noticeable noise increase	Indicates where dwellings could potentially be exposed to a noticeable (though not necessarily significant) increase in 'average' daytime railway noise levels due to noise from operation of the High Speed Two (HS2) Phase Two scheme. A noticeable noise increase is defined as a total rail noise level of greater than or equal to 50 dB $L_{Aeq,18hr}$ with an increase in rail noise of at least 3 dB $L_{Aeq,18hr}$.	High Speed Two (HS2) Ltd	
Areas where dwellings potentially experience high noise levels	Indicates where dwellings could potentially be exposed to high noise levels associated with operation of the High Speed Two (HS2) Phase Two scheme. High noise level exposure is defined as a free field noise level greater than or equal to 73 dB $L_{Aeq,18hr}$.	High Speed Two (HS2) Ltd	

Legend Features	Definition	Source	Copyright
Conservation Area	Areas considered worthy of preservation or enhancement because of their special architectural or historic interest. Conservation Areas have been captured and digitised from desktop based studies using publicly available local authority information. Accuracy of the data is dependent upon that of the individual data source and areas are provided as indicative site boundaries only.	High Speed Two (HS2) Ltd	
Country Park	Natural England recognises Country Parks as significant places that contribute to England's accessible natural greenspace. Country Parks were established as a result of the 1968 Countryside Act and there are currently more than 400 sites that call themselves Country Parks in England. They are visited by over 70 million visitors a year.	Natural England	© Natural England copyright 2016 Contains Ordnance Survey data © Crown copyright and database right 2016. All rights reserved. Ordnance Survey Licence number 100022021. http://www.naturalengland.org.uk/Images/open-government-licence-NE-OS_tcm6-30743.pdf
County boundary	County boundaries from Ordnance Survey boundary mapping.	Ordnance Survey	© Crown Copyright and database rights 2016 Ordnance Survey Licence Number 100049190.
District/Borough boundary	Ordnance Survey local authority boundary mapping.	Ordnance Survey	© Crown Copyright and database rights 2016 Ordnance Survey Licence Number 100049190.
Flood Zone 2	National Flood Zone 2 (FZ2). Land assessed, ignoring the presence of flood defences, as having between a 1% and 0.1% annual probability of river flooding.	Environment Agency	Contains Environment Agency information © Environment Agency and database right.
Flood Zone 3	National Flood Zone 3 (FZ3). Land assessed, ignoring the presence of flood defences, as having a 1% or greater annual probability of river flooding.	Environment Agency	Contains Environment Agency information © Environment Agency and database right.
Green Belt	The Government's fundamental aim of green belt policy is to prevent urban sprawl by keeping land permanently open. The National Planning Policy Framework states that the construction of new buildings should be regarded as "inappropriate" for the green belt, although there are some exceptions, which are listed. It is for local authorities to define and maintain green belt land in their local areas. The Government expects local planning authorities with green belts to establish green belt boundaries in their Local Plans. Green belt boundaries can be altered as part of the Local Plan review process	Department for Communities and Local Government	© Crown Copyright 2016
Groundwater Source Protection Zone (Zones 1 and 2)	Source Protection Zones (SPZs) have been defined for approximately two thousand groundwater sources such as wells, boreholes and springs used for public drinking water supply. These zones show the risk of contamination from any activities that might cause pollution in the area. The closer the activity, the greater the risk. The maps show two main zones; SPZ1 – inner and SPZ2 – outer.	Environment Agency	Contains Environment Agency information © Environment Agency and database right.

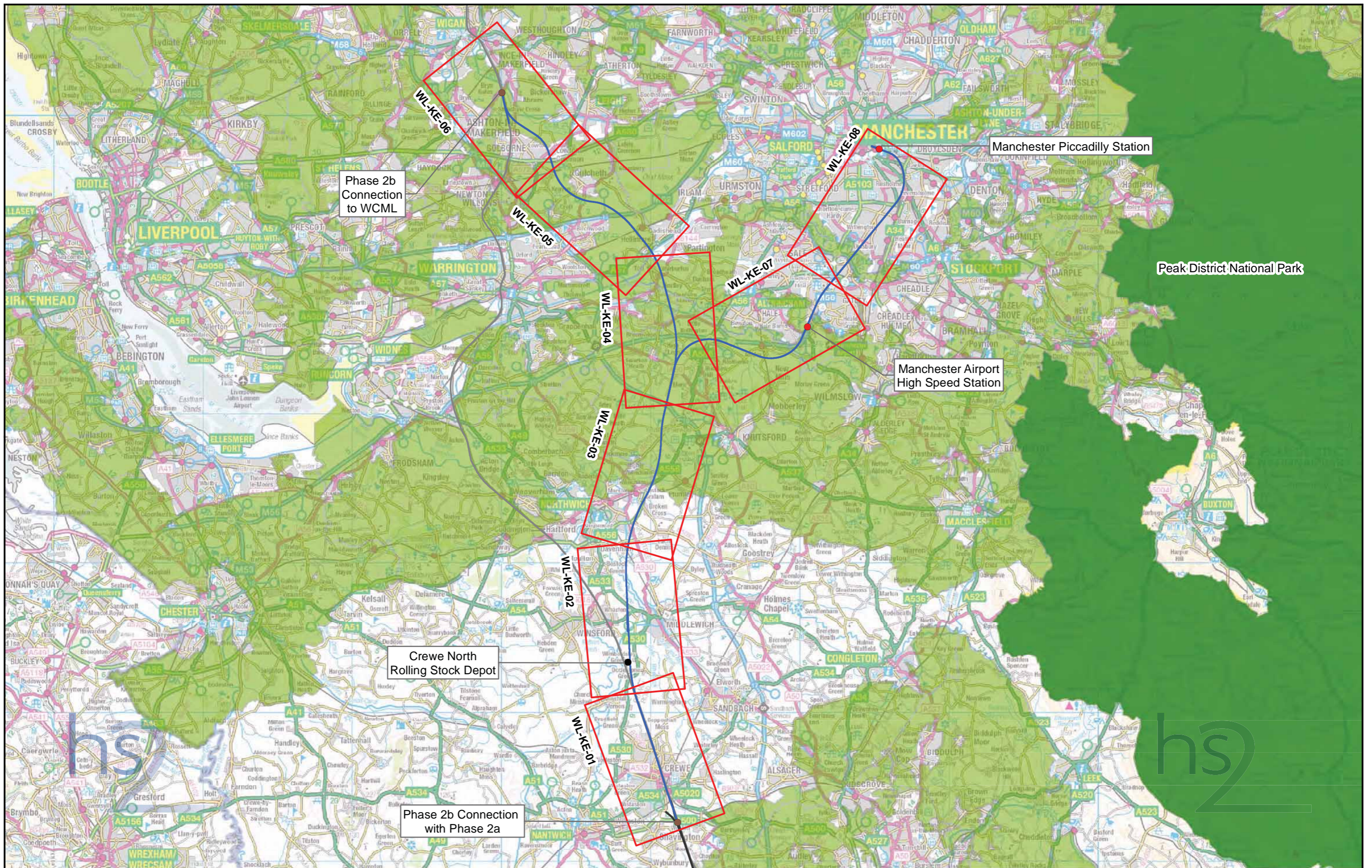
Legend Features	Definition	Source	Copyright
Landfill site (Active)	An active landfill site is one which is currently accepting waste for disposal. This may be inert, hazardous or non-hazardous waste. To operate under the current legislative regime, planning permission must be provided by the local authority and a permit obtained from the Environment Agency.	Environment Agency	Contains Environment Agency information © Environment Agency and database right.
Landfill site (Disused)	A disused landfill site is one which is not accepting waste for disposal. Recently closed landfill sites may have on-going monitoring and environmental protection measures. Disused landfills however may pre-date environmental legislation, have little record of disposed material and delineation of their extent.	Environment Agency	Contains Environment Agency information © Environment Agency and database right.
Listed Building (Grades I, II* and II)	Buildings and structures in England of special architectural or historic interest. In some instances the source data for individual buildings is grouped under a single grid reference, in these instances the data may have been interrogated further to identify addresses of individual buildings with Listed Building status so that these can be displayed individually on the map. The Listed Building data consists of approximately 375,000 standing structures. The information has been converted from paper records georeferenced to digital mapping. A small percentage of the data was manually located. The data is subject to continuous review and regularly updated as new structures are designated and positional accuracy improves.	English Heritage	© English Heritage 2016. Contains Ordnance Survey data © Crown copyright and database right 2016 The English Heritage GIS Data contained in this material was obtained IN 2014. The most publicly available up to date English Heritage GIS Data can be obtained from http://www.english-heritage.org.uk .
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 2016 Contains Ordnance Survey data © Crown copyright and database right 2016. All rights reserved. Ordnance Survey Licence number 100022021. http://www.naturalengland.org.uk/Images/open-government-licence-NE-OS_tcm6-30743.pdf
Major Development Site	Major proposals for all types of development, including residential development of 100 or more dwellings or a site area of one or more hectare; other developments with floorspace of 5,000 m ² or more, or a site area of one hectare or more; major infrastructure schemes, including highways schemes; and major minerals and waste management sites (including both new and extended sites). Major Development Sites have been captured and digitised from desktop based studies using publicly available local authority information. Accuracy of the data is dependent upon that of the individual data source and areas are provided as indicative site boundaries only.	High Speed Two (HS2) Ltd	

Legend Features	Definition	Source	Copyright
National Nature Reserve (NNR)	A National Nature Reserve (NNR) is the land declared under the National Parks and Access to the Countryside Act 1949 or Wildlife and Countryside Act (1981) as amended.	Natural England	© Natural England copyright 2016 Contains Ordnance Survey data © Crown copyright and database right 2016. All rights reserved. Ordnance Survey Licence number 100022021. http://www.naturalengland.org.uk/Images/open-government-licence-NE-OS_tcm6-30743.pdf
National Park	England's National Parks are extensive tracts of countryside designated by Natural England (or its predecessor bodies) under the provisions of The National Parks and Access to the Countryside Act, 1949, and have two statutory purposes: 1) To conserve and enhance their natural beauty, wildlife and cultural heritage. 2) To promote opportunities for the public understanding and enjoyment of these special qualities.	Natural England	© Natural England copyright 2016 Contains Ordnance Survey data © Crown copyright and database right 2016. All rights reserved. Ordnance Survey Licence number 100022021. http://www.naturalengland.org.uk/Images/open-government-licence-NE-OS_tcm6-30743.pdf
National Trails	National Trails are long distance routes for walking, cycling and horse riding through the finest landscapes in England and Wales. They have all been created by linking existing local footpaths, bridleways and minor roads and by developing new ones where there were gaps. There are 15 National Trails in England and Wales.	Natural England	© Natural England copyright 2016 Contains Ordnance Survey data © Crown copyright and database right 2016. All rights reserved. Ordnance Survey Licence number 100022021. http://www.naturalengland.org.uk/Images/open-government-licence-NE-OS_tcm6-30743.pdf
Ramsar Site	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) 1973. Data supplied has the status of "Listed".	Natural England	© Natural England copyright 2016 Contains Ordnance Survey data © Crown copyright and database right 2016. All rights reserved. Ordnance Survey Licence number 100022021. http://www.naturalengland.org.uk/Images/open-government-licence-NE-OS_tcm6-30743.pdf
Registered Battlefield	A Registered Battlefield is a battlefield that is considered to be sufficiently important to be worth identifying by their inclusion on the Register. All 43 Registered Battlefield sites are captured against the 1:10000 Raster product	English Heritage	© English Heritage 2016. Contains Ordnance Survey data © Crown copyright and database right 2016 The English Heritage GIS Data contained in this material was obtained in 2014. The most publicly available up to date English Heritage GIS Data can be obtained from http://www.english-heritage.org.uk .
Registered Park and Garden	Parks and Gardens of special historic interest. Supplied by English Heritage. Of the 1,590 Registered Parks and Gardens, over 91% were captured against the 1:10,000 Ordnance Survey Raster product. 135 records are potentially subject to movement under Positional Accuracy Improvement (PAI) improvements.	English Heritage	© English Heritage 2016. Contains Ordnance Survey data © Crown copyright and database right 2016 The English Heritage GIS Data contained in this material was obtained in 2014. The most publicly available up to date English Heritage GIS Data can be obtained from http://www.english-heritage.org.uk .
Route alignment	Represents the proposed route, symbolised based on formation type.	High Speed Two (HS2) Ltd	

Legend Features	Definition	Source	Copyright
Scheduled Monument	A schedule has been kept since 1882 of monuments considered to be of national importance by the government. The current legislation, the Ancient Monuments and Archaeological Areas Act 1979, supports a formal system of Scheduled Monument Consent for any work to a designated monument. The Scheduled Monument layer consists of approximately 22,380 monuments tied into the Ordnance Survey. The majority of these are fixed; however, a small number of records may be updated as digital positional accuracy improves. The data is subject to continuous review and regularly updated as new monuments are designated.	English Heritage	<p>© English Heritage 2016. Contains Ordnance Survey data © Crown copyright and database right 2016</p> <p>The English Heritage GIS Data contained in this material was obtained in 2014. The most publicly available up to date English Heritage GIS Data can be obtained from http://www.english-heritage.org.uk.</p>
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	<p>© Natural England copyright 2014 Contains Ordnance Survey data © Crown copyright and database right 2014. All rights reserved. Ordnance Survey Licence number 100022021. http://www.naturalengland.org.uk/Images/open-government-licence-NE-OS_tcm6-30743.pdf</p>
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	<p>© Natural England copyright 2014 Contains Ordnance Survey data © Crown copyright and database right 2014. All rights reserved. Ordnance Survey Licence number 100022021. http://www.naturalengland.org.uk/Images/open-government-licence-NE-OS_tcm6-30743.pdf</p>
Special Protection Area (SPA)	A Special Protection Area (SPA) is the land classified under Directive 79/409 for the Conservation of Wild Birds.	Natural England	<p>© Natural England copyright 2014 Contains Ordnance Survey data © Crown copyright and database right 2014. All rights reserved. Ordnance Survey Licence number 100022021. http://www.naturalengland.org.uk/Images/open-government-licence-NE-OS_tcm6-30743.pdf</p>
World Heritage Site	A site on a list of properties maintained by the World Heritage Committee of UNESCO and called the World Heritage List "forming part of the cultural heritage and natural heritage...which it considers as having outstanding universal value in terms of such criteria as it shall have established". There are 17 World Heritage Sites of which 15 are captured against the 1:10,000 Raster product. The remaining two sites are potentially subject to change under Positional Accuracy Improvement (PAI) improvements.	English Heritage	<p>© English Heritage 2014. Contains Ordnance Survey data © Crown copyright and database right 2014</p> <p>The English Heritage GIS Data contained in this material was obtained in 2014. The most publicly available up to date English Heritage GIS Data can be obtained from http://www.english-heritage.org.uk.</p>

Western Leg – Manchester

Western Leg – Manchester Environmental Features Mapping Sets 1 and 2



- Route Alignment**
- Preferred Route Crewe to Manchester
 - Connection
 - Depot
 - Station
 - Preferred Route to Crewe
 - WCML
 - Map Window

- Sustainability Features**
- National Park
 - Green Belt

Figure Number: **WL-KE-INDEX**

Figure Name: **Map Index Overview**
Preferred Route Crewe to Manchester
Key Environmental Features Mapping

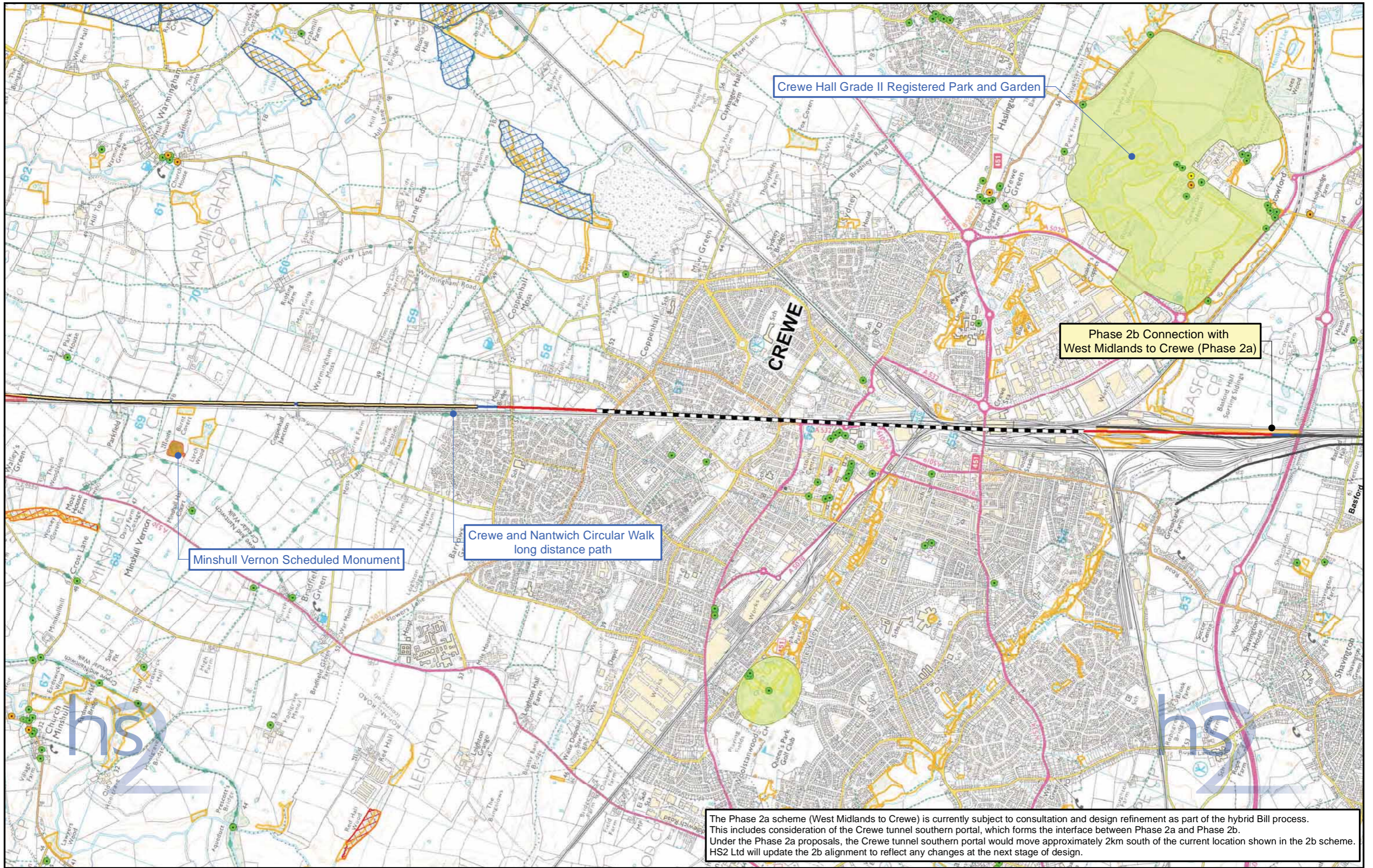
Route Name: **Western Leg**

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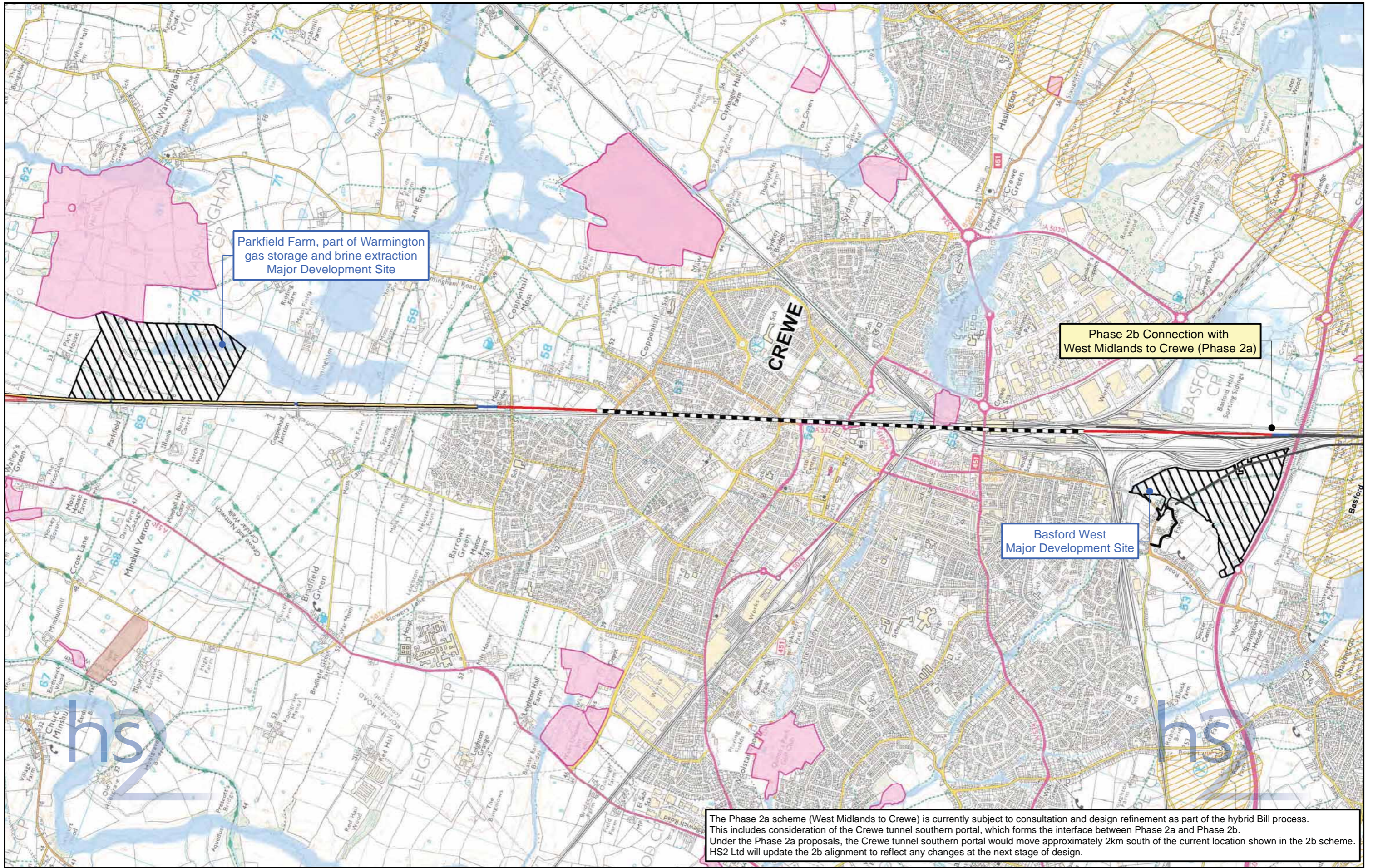
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Drawing No: C331-TRK-EV-MAP-220-000049 Date: 01/11/16



The Phase 2a scheme (West Midlands to Crewe) is currently subject to consultation and design refinement as part of the hybrid Bill process. This includes consideration of the Crewe tunnel southern portal, which forms the interface between Phase 2a and Phase 2b. Under the Phase 2a proposals, the Crewe tunnel southern portal would move approximately 2km south of the current location shown in the 2b scheme. HS2 Ltd will update the 2b alignment to reflect any changes at the next stage of design.

Route Alignment <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	Sustainability Features <ul style="list-style-type: none"> ● Listed Building Grade I ● Listed Building Grade II* ● Listed Building Grade II ■ Scheduled Monument ■ Ramsar Site ■ Special Area of Conservation (SAC) 	<ul style="list-style-type: none"> Special Protection Area (SPA) Site of Special Scientific Interest (SSSI) Registered Park and Garden National Nature Reserve (NNR) Registered Battlefield 	<ul style="list-style-type: none"> Habitat of Principal Importance Ancient Woodland Local Nature Reserve National Trust Ownership National Trail Conservation Area 	<p>Figure Number: WL-KE-01-01</p> <p>Figure Name: Preferred Route Crewe to Manchester Key Environmental Features Set 1 of 2</p> <p>Route Name: HSM10B</p>	<div style="text-align: center;">  <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> </div> <p>Temple RSK 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>Scale at A3: 1:25,000</p> <div style="text-align: center;">  </div> <p style="text-align: right;">Date: 01/11/16</p>
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The Phase 2a scheme (West Midlands to Crewe) is currently subject to consultation and design refinement as part of the hybrid Bill process. This includes consideration of the Crewe tunnel southern portal, which forms the interface between Phase 2a and Phase 2b. Under the Phase 2a proposals, the Crewe tunnel southern portal would move approximately 2km south of the current location shown in the 2b scheme. HS2 Ltd will update the 2b alignment to reflect any changes at the next stage of design.

Route Alignment	Sustainability Features	Major Development Site
At Grade	Country Park	Flood Zone 2
Cut and Cover Tunnel	Agricultural Land Grade 1	Flood Zone 3
Cutting	Agricultural Land Grade 2	Groundwater Source Protection Zone 1
Embankment	Landfill Site (Disused)	Groundwater Source Protection Zone 2
Tunnel	Landfill Site (Active)	
Viaduct		

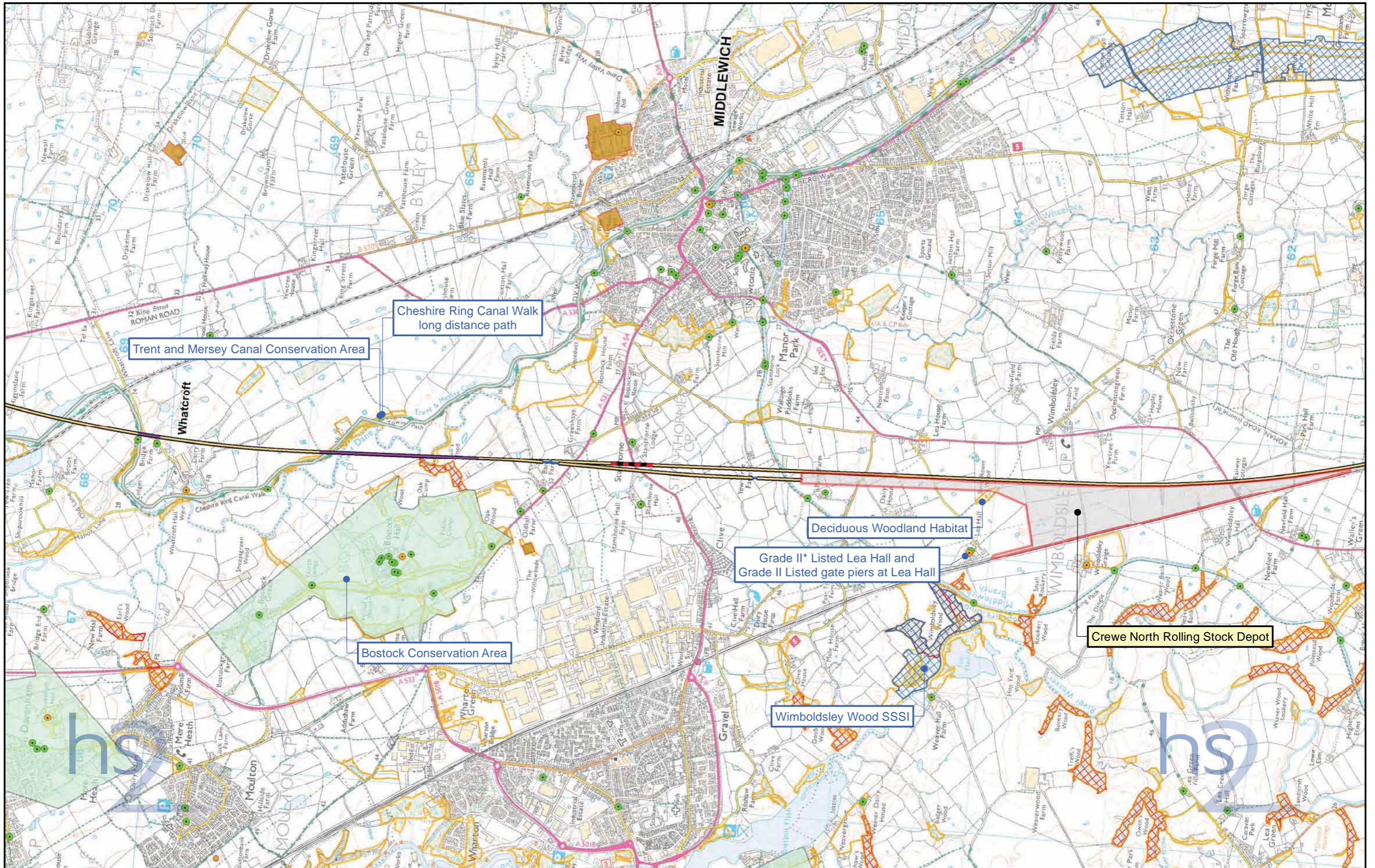
Figure Number: WL-KE-01-02
 Preferred Route Crewe to Manchester
 Key Environmental Features
 Set 2 of 2
 Route Name: HSM10B

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 Drawing No: C331-TRK-EV-MAP-220-000051
 Date: 01/11/16

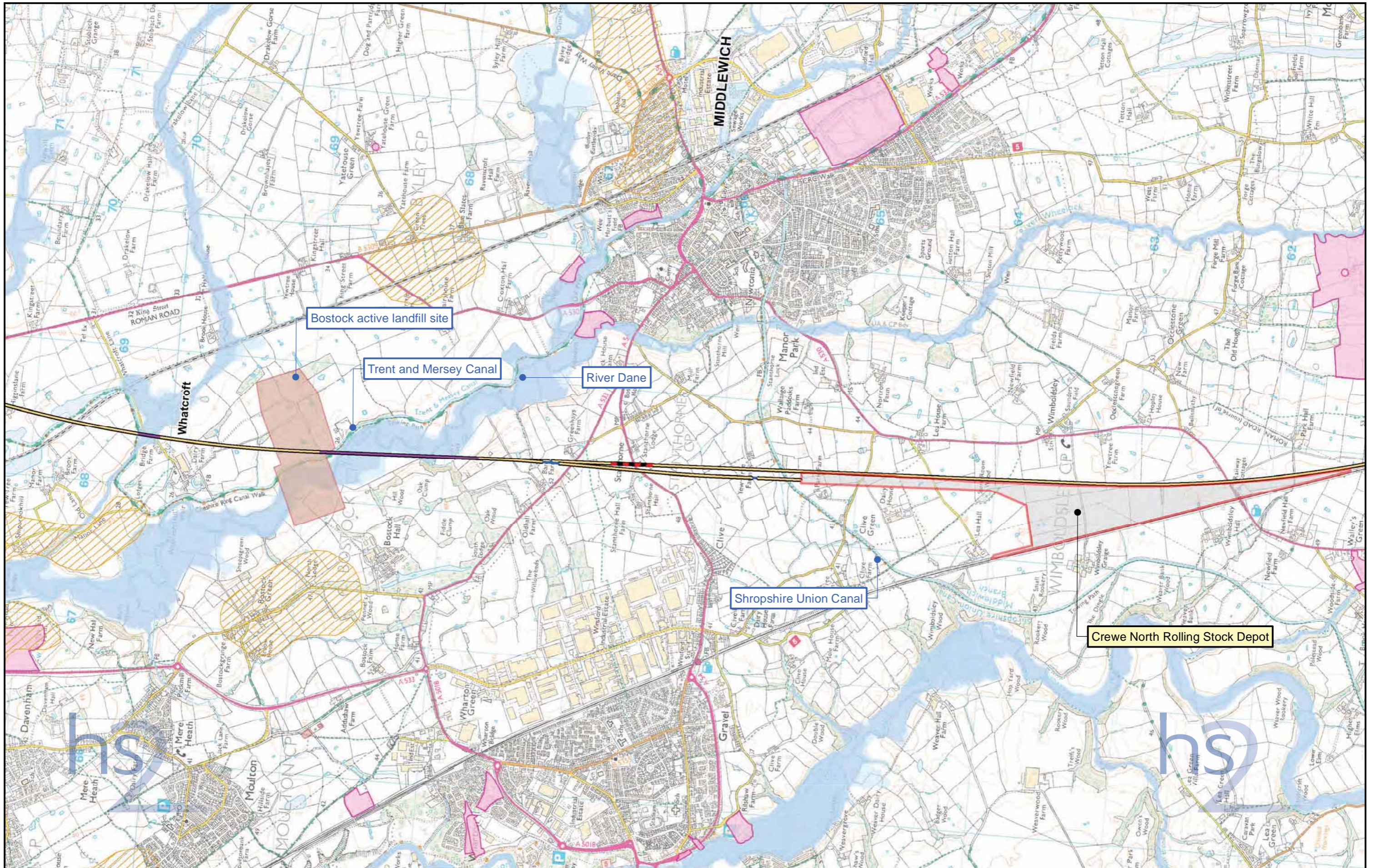
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0 0.5 Kilometers

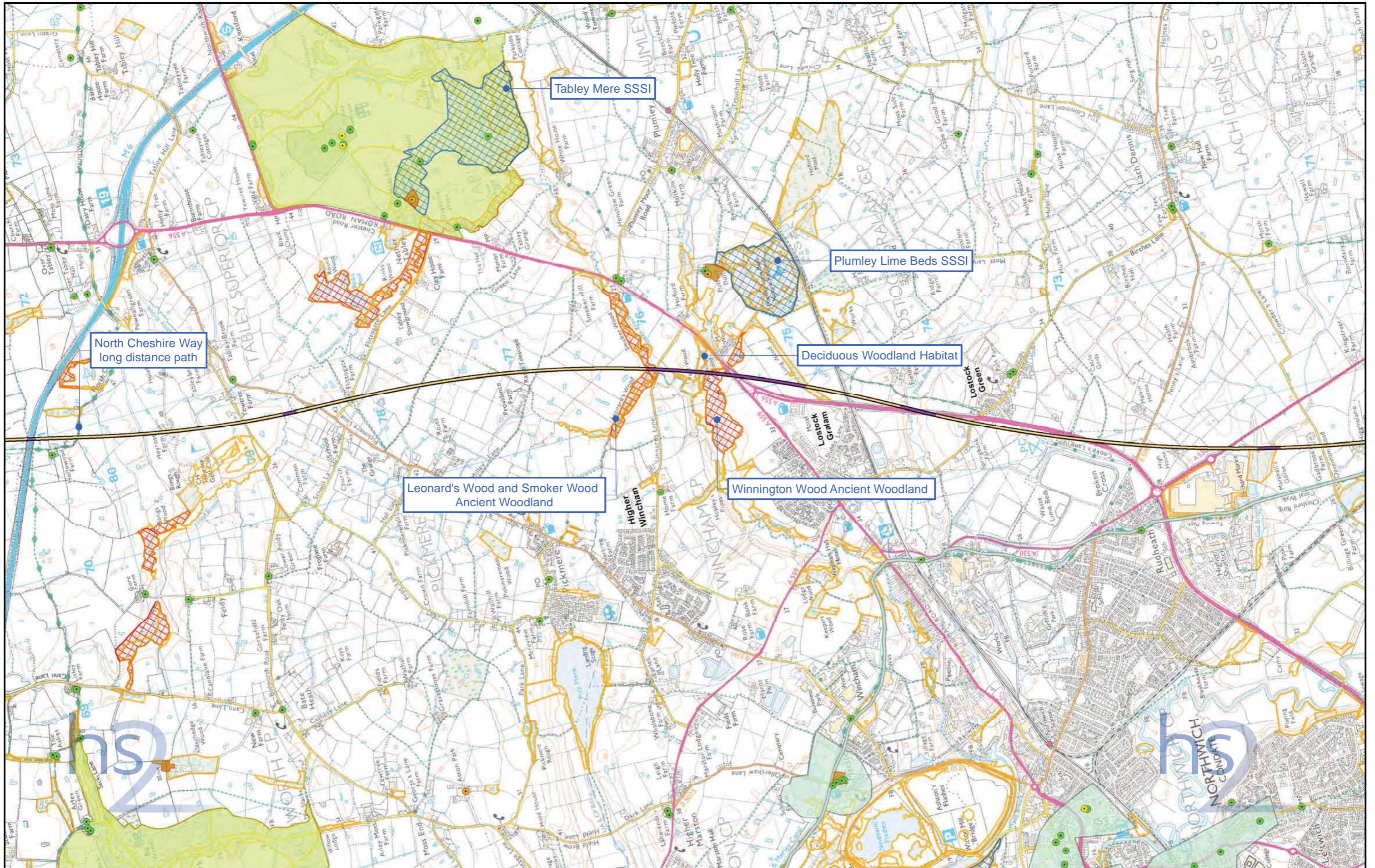
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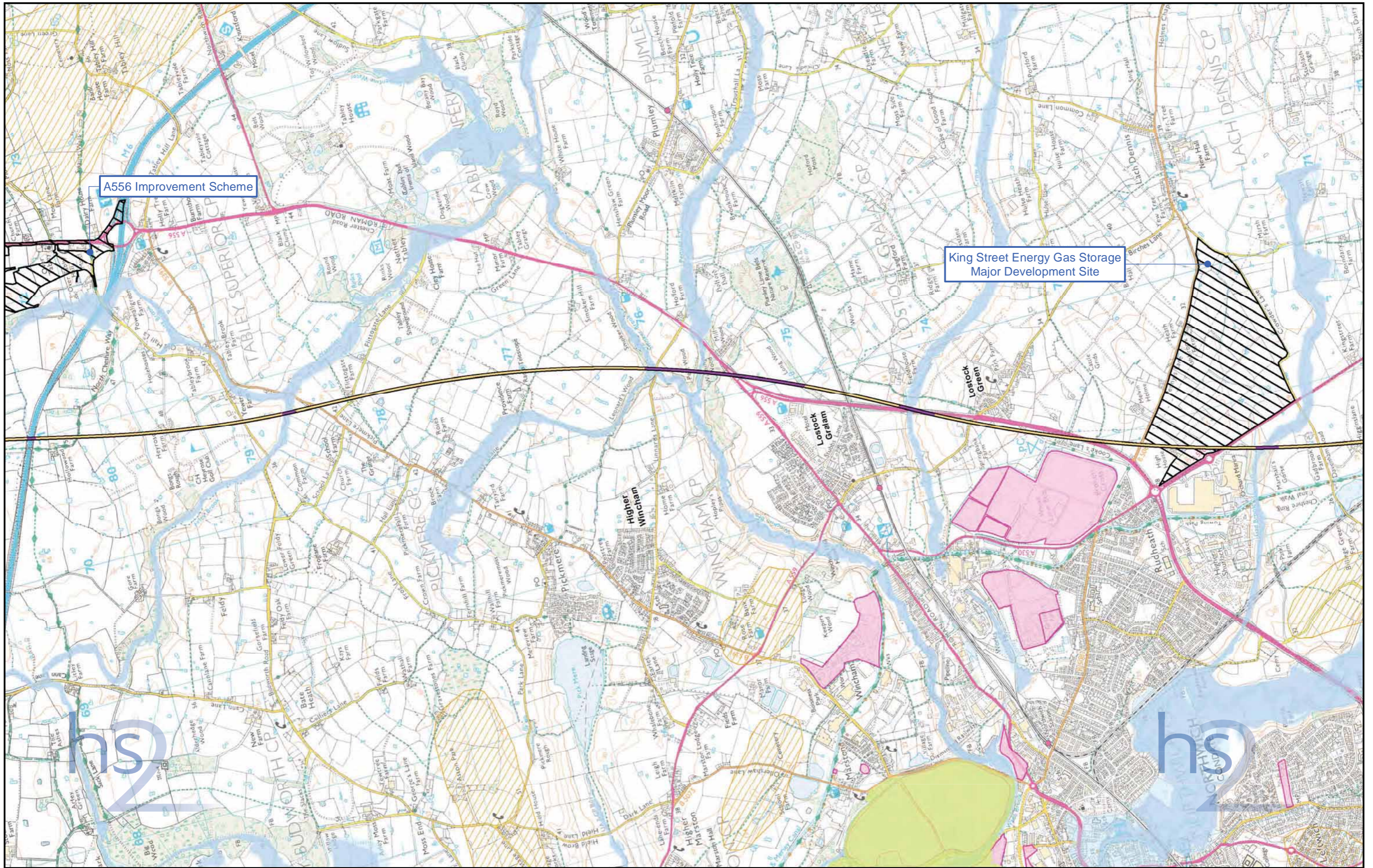
<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> ● Listed Building Grade I ● Listed Building Grade II* ● Listed Building Grade II ■ Scheduled Monument ■ Ramsar Site □ Special Area of Conservation (SAC) 	<ul style="list-style-type: none"> □ Special Protection Area (SPA) □ Site of Special Scientific Interest (SSSI) □ Registered Park and Garden □ National Nature Reserve (NNR) □ Registered Battlefield 	<ul style="list-style-type: none"> □ Habitat of Principal Importance □ Ancient Woodland □ Local Nature Reserve □ National Trust Ownership — National Trail □ Conservation Area 	<p>Figure Number: WL-KE-02-01</p> <p>Figure Name: Preferred Route Crewe to Manchester Key Environmental Features Set 1 of 2</p> <p>Route Name: HSM10B</p>	<p>Figure Number: WL-KE-02-01</p> <p>Figure Name: Preferred Route Crewe to Manchester Key Environmental Features Set 1 of 2</p> <p>Route Name: HSM10B</p> <p>Scale at A3: 1:25,000</p> <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-220-000052</p> <p>Date: 01/11/16</p>
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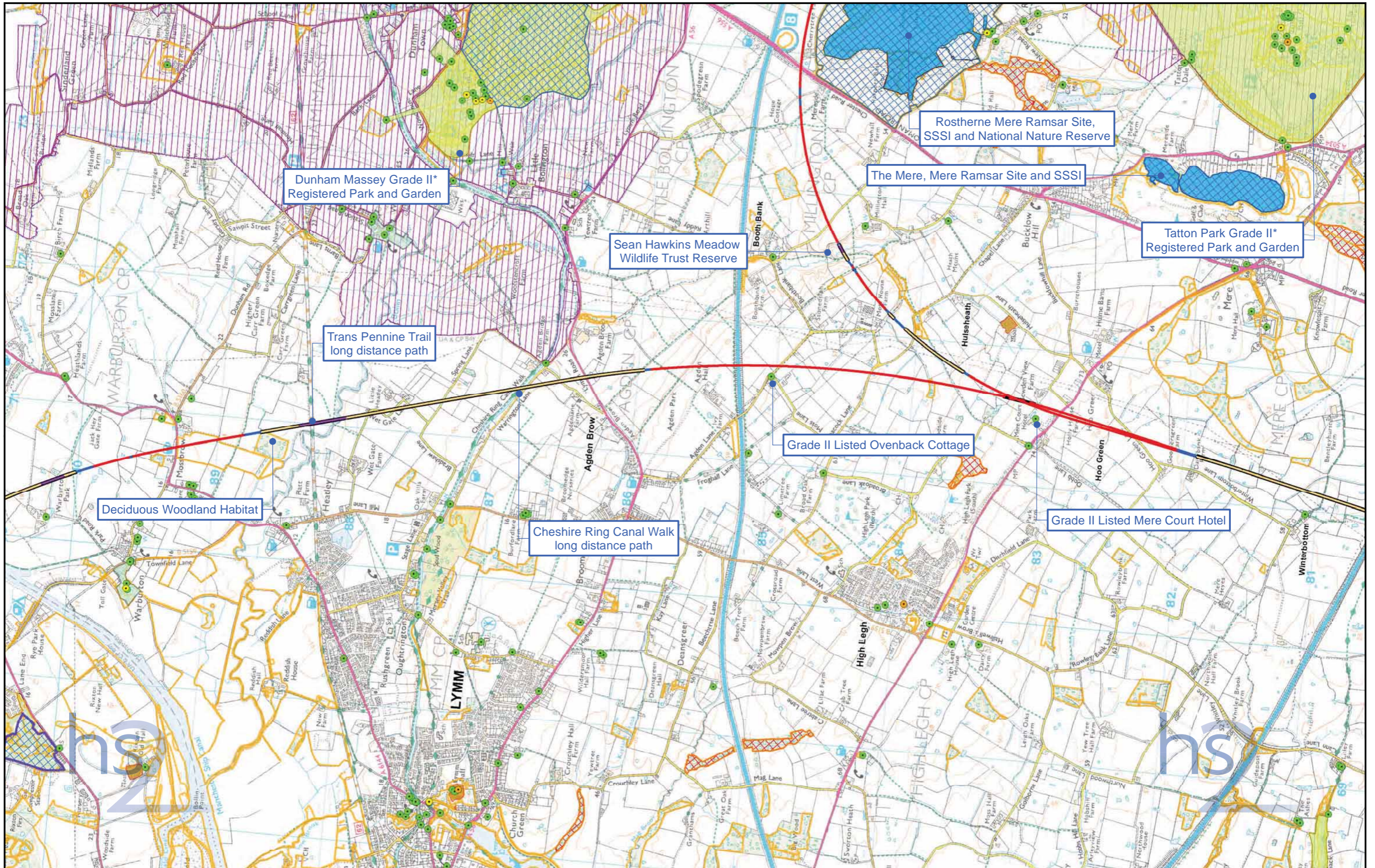
<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> ■ Country Park ■ Agricultural Land Grade 1 ■ Agricultural Land Grade 2 ■ Landfill Site (Disused) ■ Landfill Site (Active) 	<ul style="list-style-type: none"> Major Development Site ■ Flood Zone 2 ■ Flood Zone 3 ■ Groundwater Source Protection Zone 1 ■ Groundwater Source Protection Zone 2 	<p>Figure Number: WL-KE-02-02</p> <p>Figure Name: Preferred Route Crewe to Manchester Key Environmental Features Set 2 of 2</p> <p>Route Name: HSM10B</p>	<p>Figure Number: WL-KE-02-02</p> <p>Figure Name: Preferred Route Crewe to Manchester Key Environmental Features Set 2 of 2</p> <p>Route Name: HSM10B</p>	<p>Temple RSK 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>Scale at A3: 1:25,000</p> <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-220-000053</p> <p>Date: 01/11/16</p>
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<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> ● Listed Building Grade I ● Listed Building Grade II* ● Listed Building Grade II ■ Scheduled Monument ■ Ramsar Site ■ Special Area of Conservation (SAC) 	<ul style="list-style-type: none"> Special Protection Area (SPA) Site of Special Scientific Interest (SSSI) Registered Park and Garden National Nature Reserve (NNR) Registered Battlefield 	<ul style="list-style-type: none"> Habitat of Principal Importance Ancient Woodland Local Nature Reserve National Trust Ownership — National Trail Conservation Area 	<p>Figure Number: WL-KE-03-01</p> <p>Figure Name: Preferred Route Crew to Manchester Key Environmental Features Set 1 of 2</p> <p>Route Name: HSM10B</p>	<p>Figure Number: WL-KE-03-01</p> <p>Figure Name: Preferred Route Crew to Manchester Key Environmental Features Set 1 of 2</p> <p>Route Name: HSM10B</p> <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Temple RSK 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>Scale at A3: 1:25,000</p> <p>0 0.5 1 Kilometers</p> <p>Drawing No: C331-TRK-EV-MAP-220-000054 Date: 01/11/16</p>
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<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> ■ Country Park ■ Agricultural Land Grade 1 ■ Agricultural Land Grade 2 ■ Landfill Site (Disused) ■ Landfill Site (Active) 	<ul style="list-style-type: none"> ■ Major Development Site ■ Flood Zone 2 ■ Flood Zone 3 ■ Groundwater Source Protection Zone 1 ■ Groundwater Source Protection Zone 2 	<p>Figure Number: WL-KE-03-02</p> <p>Figure Name: Preferred Route Crewe to Manchester Key Environmental Features Set 2 of 2</p> <p>Route Name: HSM10B</p>	<p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-220-000055</p>	<p>Temple RSK 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>Scale at A3: 1:25,000</p> <p>0 0.5 1 Kilometers</p> <p>TEMPLE RSK</p> <p>Date: 01/11/16</p>
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Route Alignment

	At Grade
	Cut and Cover Tunnel
	Cutting
	Embankment
	Tunnel
	Viaduct

Sustainability Features

	Listed Building Grade I
	Listed Building Grade II*
	Listed Building Grade II
	Scheduled Monument
	Ramsar Site
	Special Area of Conservation (SAC)
	Special Protection Area (SPA)
	Site of Special Scientific Interest (SSSI)
	Registered Park and Garden
	National Nature Reserve (NNR)
	Registered Battlefield
	Habitat of Principal Importance
	Ancient Woodland
	Local Nature Reserve
	National Trust Ownership
	National Trail
	Conservation Area

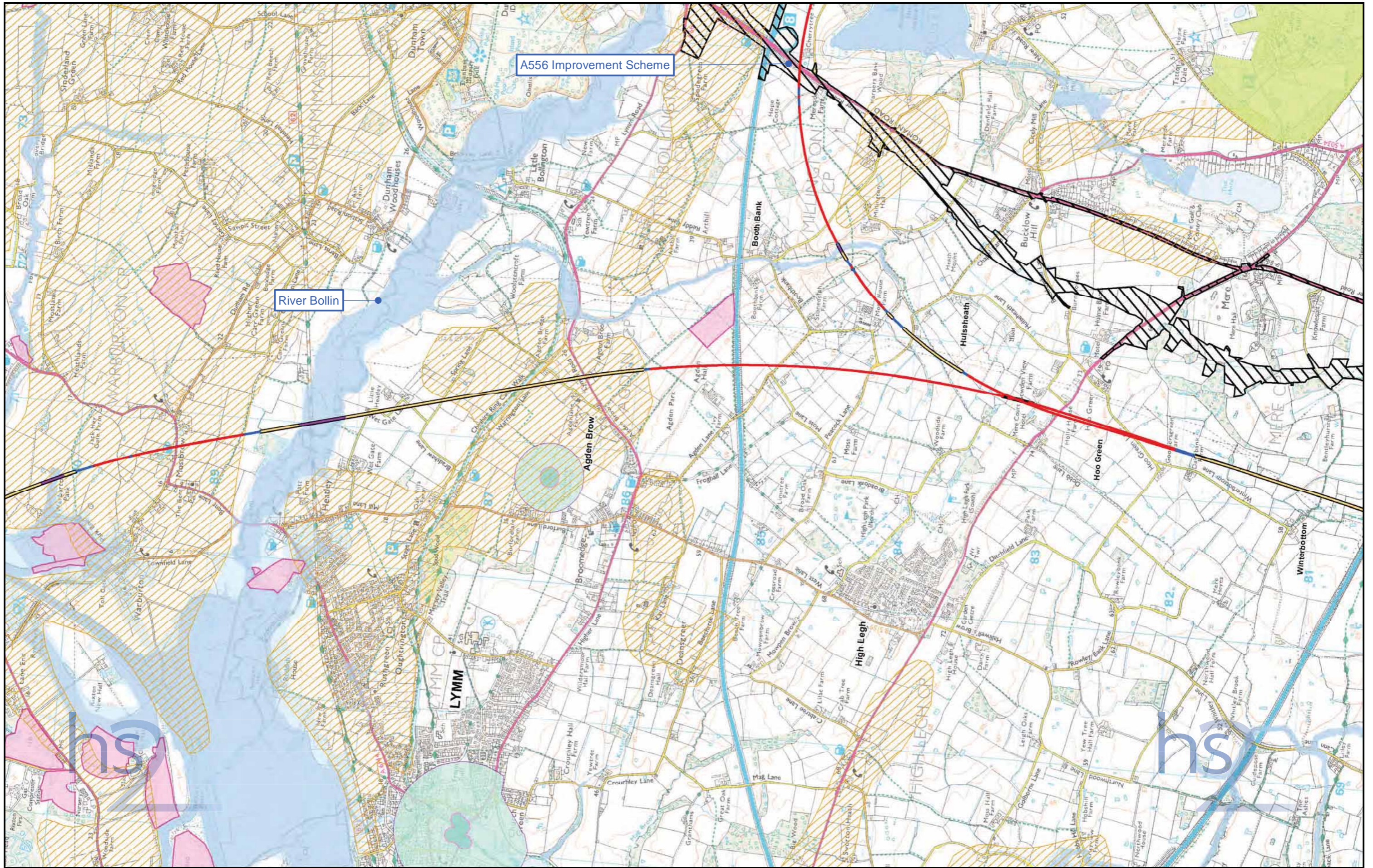
Figure Number: WL-KE-04-01
 Figure Name: Preferred Route Crewe to Manchester
 Key Environmental Features
 Set 1 of 2
 Route Name: HSM12 / HSM21 / HSM28A / HSM28B

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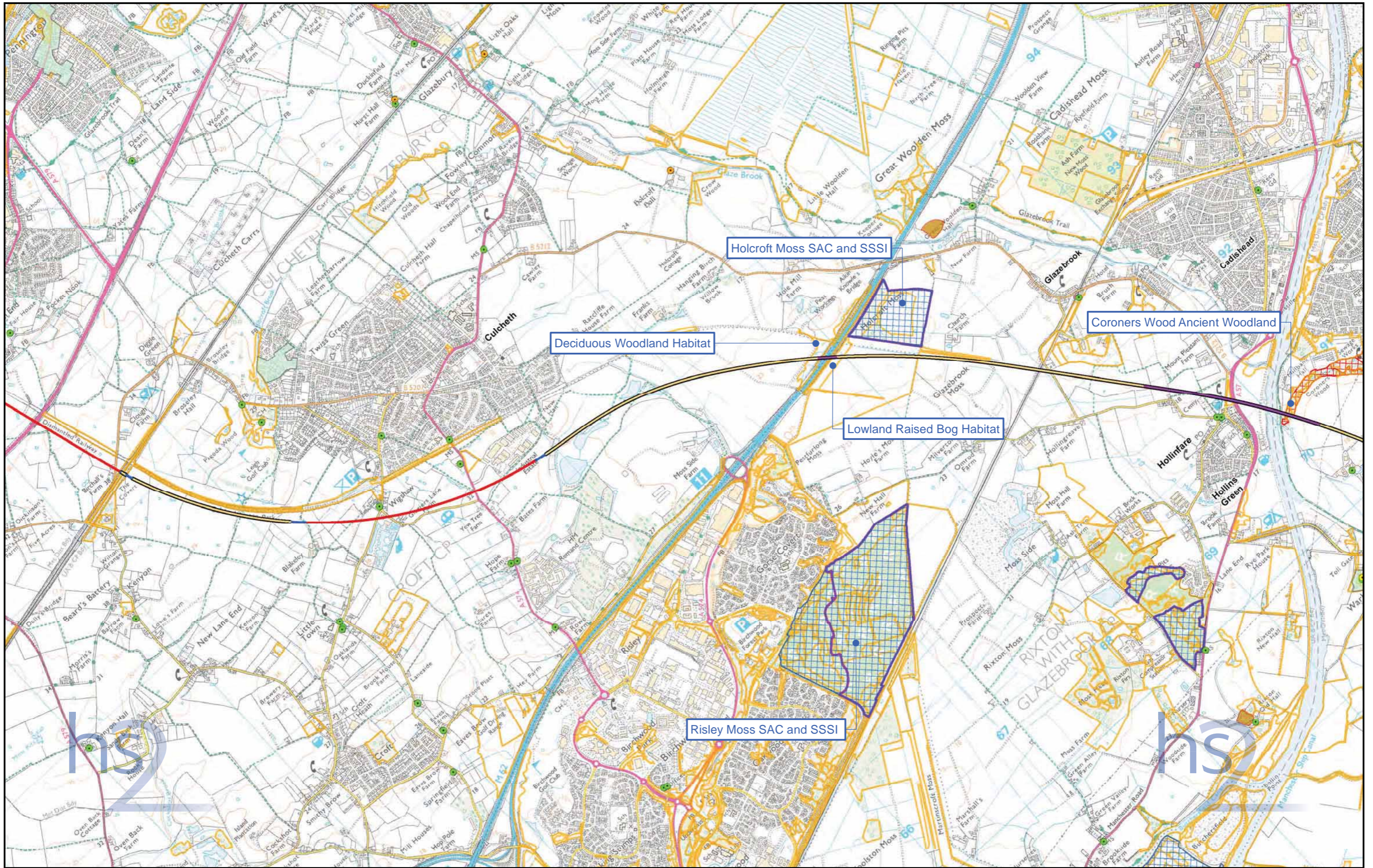
Scale at A3: 1:25,000


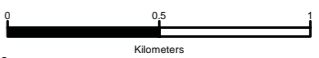
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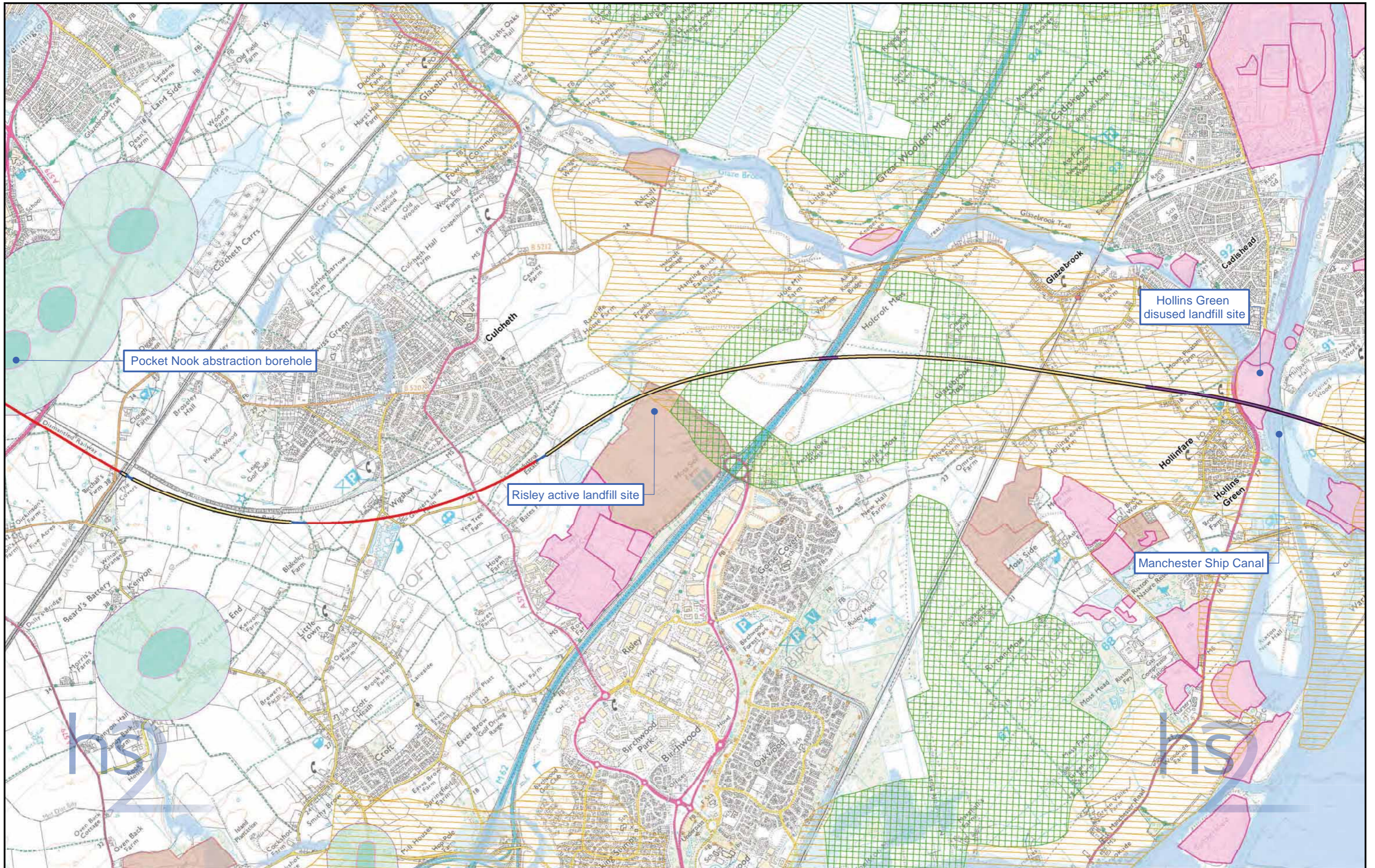
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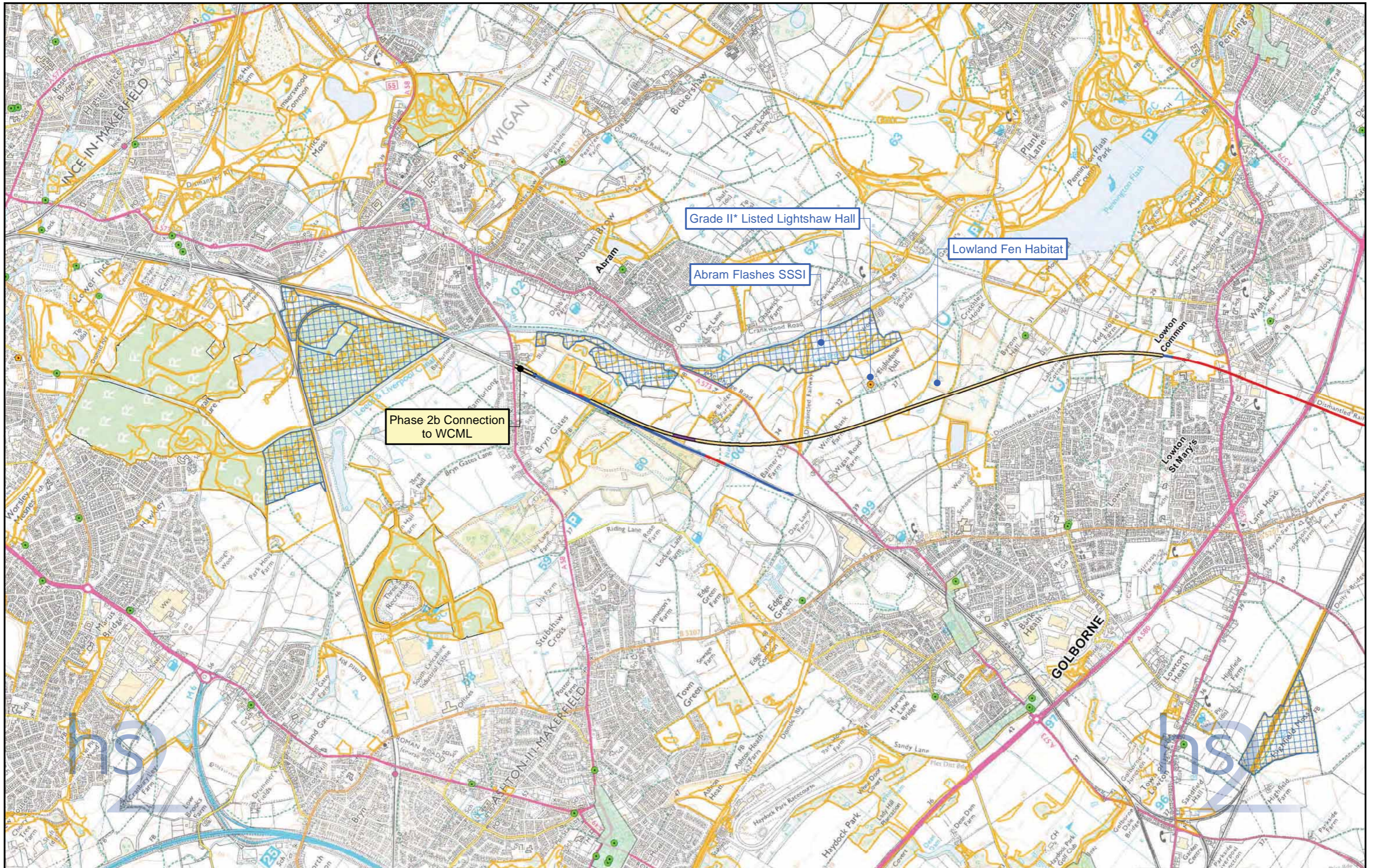
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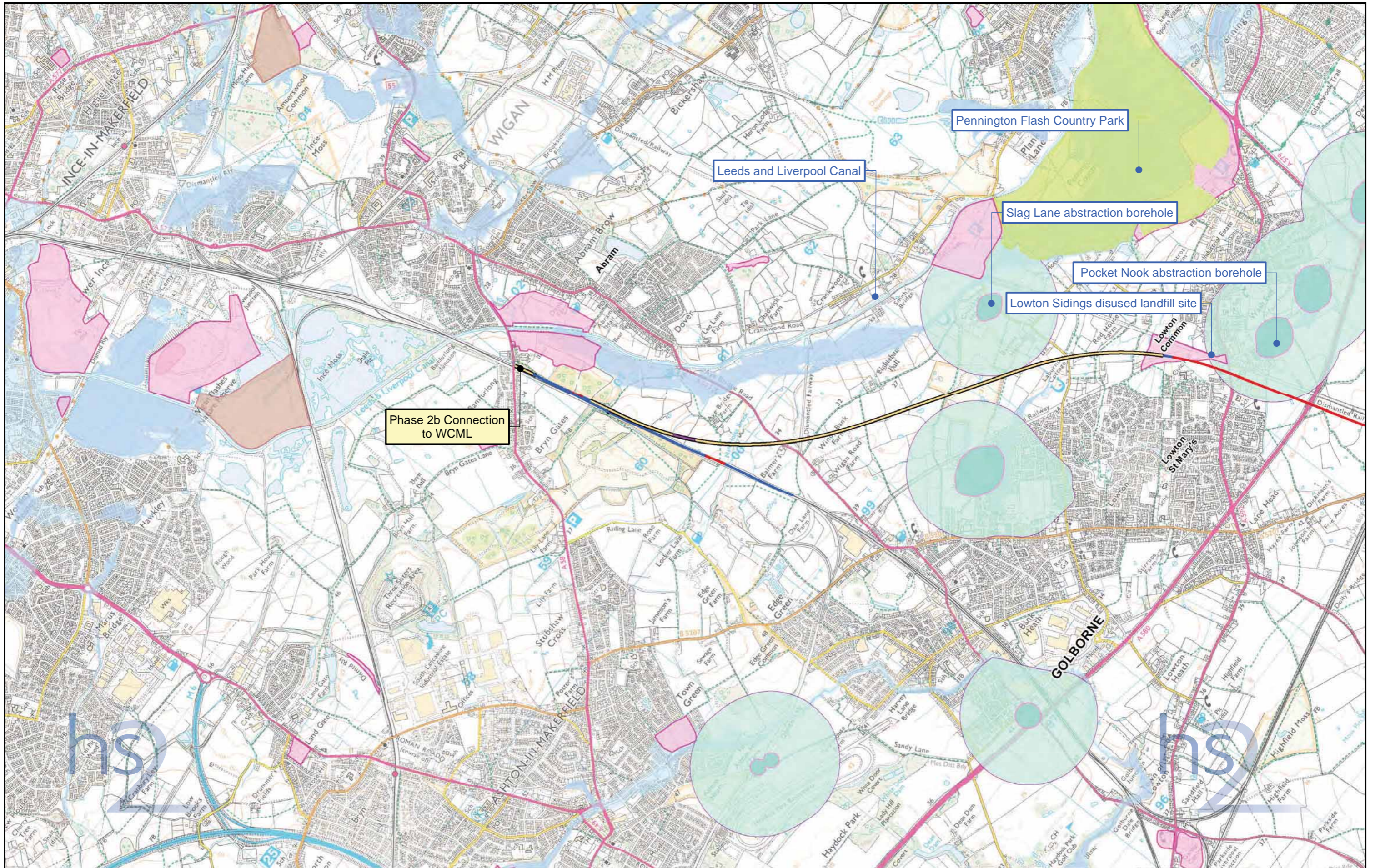
<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> ● Listed Building Grade I ● Listed Building Grade II* ● Listed Building Grade II ■ Scheduled Monument ■ Ramsar Site ■ Special Area of Conservation (SAC) 	<ul style="list-style-type: none"> Special Protection Area (SPA) Site of Special Scientific Interest (SSSI) Registered Park and Garden National Nature Reserve (NNR) Registered Battlefield 	<ul style="list-style-type: none"> Habitat of Principal Importance Ancient Woodland Local Nature Reserve National Trust Ownership National Trail Conservation Area 	<p>Figure Number: WL-KE-05-01</p> <p>Figure Name: Preferred Route Crew to Manchester Key Environmental Features Set 1 of 2</p> <p>Route Name: HSM21</p>	<div style="text-align: right;">  <p>Temple RSK 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>Scale at A3: 1:25,000</p>  <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-220-000058 Date: 01/11/16</p> </div>
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<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> ■ Country Park ▨ Agricultural Land Grade 1 ▨ Agricultural Land Grade 2 ■ Landfill Site (Disused) ■ Landfill Site (Active) 	<ul style="list-style-type: none"> ▨ Major Development Site ▨ Flood Zone 2 ▨ Flood Zone 3 ■ Groundwater Source Protection Zone 1 ■ Groundwater Source Protection Zone 2 	<p>Figure Number: WL-KE-05-02</p> <p>Figure Name: Preferred Route Crewe to Manchester Key Environmental Features Set 2 of 2</p> <p>Route Name: HSM21</p>	<p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-220-000059</p>	<p>Figure Number: WL-KE-05-02</p> <p>Figure Name: Preferred Route Crewe to Manchester Key Environmental Features Set 2 of 2</p> <p>Route Name: HSM21</p> <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-220-000059</p> <p>Date: 01/11/16</p>
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<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> ● Listed Building Grade I ● Listed Building Grade II* ● Listed Building Grade II ■ Scheduled Monument ■ Ramsar Site ■ Special Area of Conservation (SAC) 	<p> Special Protection Area (SPA)</p> <p> Site of Special Scientific Interest (SSSI)</p> <p> Registered Park and Garden</p> <p> National Nature Reserve (NNR)</p> <p> Registered Battlefield</p>	<p> Habitat of Principal Importance</p> <p> Ancient Woodland</p> <p> Local Nature Reserve</p> <p> National Trust Ownership</p> <p> National Trail</p> <p> Conservation Area</p>	<p>Figure Number: WL-KE-06-01</p> <p>Figure Name: Preferred Route Crew to Manchester Key Environmental Features Set 1 of 2</p> <p>Route Name: HSM21 / HSM22</p>	<p>Figure Number: WL-KE-06-01</p> <p>Figure Name: Preferred Route Crew to Manchester Key Environmental Features Set 1 of 2</p> <p>Route Name: HSM21 / HSM22</p> <p>Scale at A3: 1:25,000</p> <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-280-000001</p> <p>Date: 01/11/16</p>
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Route Alignment

	At Grade
	Cut and Cover Tunnel
	Cutting
	Embankment
	Tunnel
	Viaduct

Sustainability Features

	Country Park		Major Development Site
	Agricultural Land Grade 1		Flood Zone 2
	Agricultural Land Grade 2		Flood Zone 3
	Landfill Site (Disused)		Groundwater Source Protection Zone 1
	Landfill Site (Active)		Groundwater Source Protection Zone 2

Figure Number:	WL-KE-06-02
Figure Name:	Preferred Route Crew to Manchester Key Environmental Features Set 2 of 2
Route Name:	HSM21 / HSM22

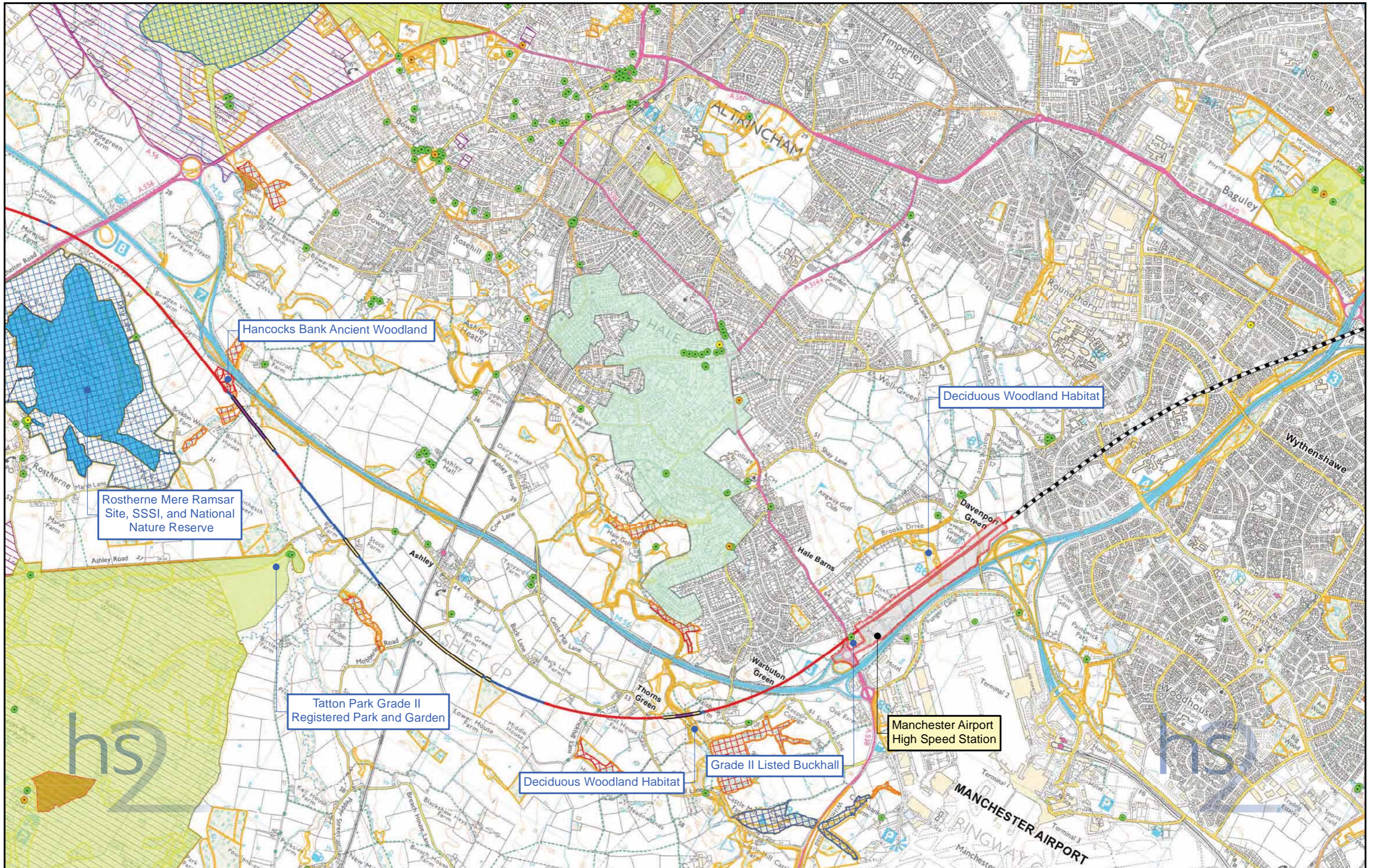
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Kilometers

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<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> ● Listed Building Grade I ● Listed Building Grade II* ● Listed Building Grade II ■ Scheduled Monument ■ Ramsar Site ■ Special Area of Conservation (SAC) 	<p> Special Protection Area (SPA)</p> <p> Site of Special Scientific Interest (SSSI)</p> <p> Registered Park and Garden</p> <p> National Nature Reserve (NNR)</p> <p> Registered Battlefield</p>	<p> Habitat of Principal Importance</p> <p> Ancient Woodland</p> <p> Local Nature Reserve</p> <p> National Trust Ownership</p> <p> National Trail</p> <p> Conservation Area</p>	<p>Figure Number: WL-KE-07-01</p> <p>Figure Name: Preferred Route Crew to Manchester Key Environmental Features Set 1 of 2</p> <p>Route Name: HSM28A / HSM28B</p>	<p>Figure Number: WL-KE-07-01</p> <p>Figure Name: Preferred Route Crew to Manchester Key Environmental Features Set 1 of 2</p> <p>Route Name: HSM28A / HSM28B</p> <p>Figure Number: WL-KE-07-01</p> <p>Figure Name: Preferred Route Crew to Manchester Key Environmental Features Set 1 of 2</p> <p>Route Name: HSM28A / HSM28B</p>
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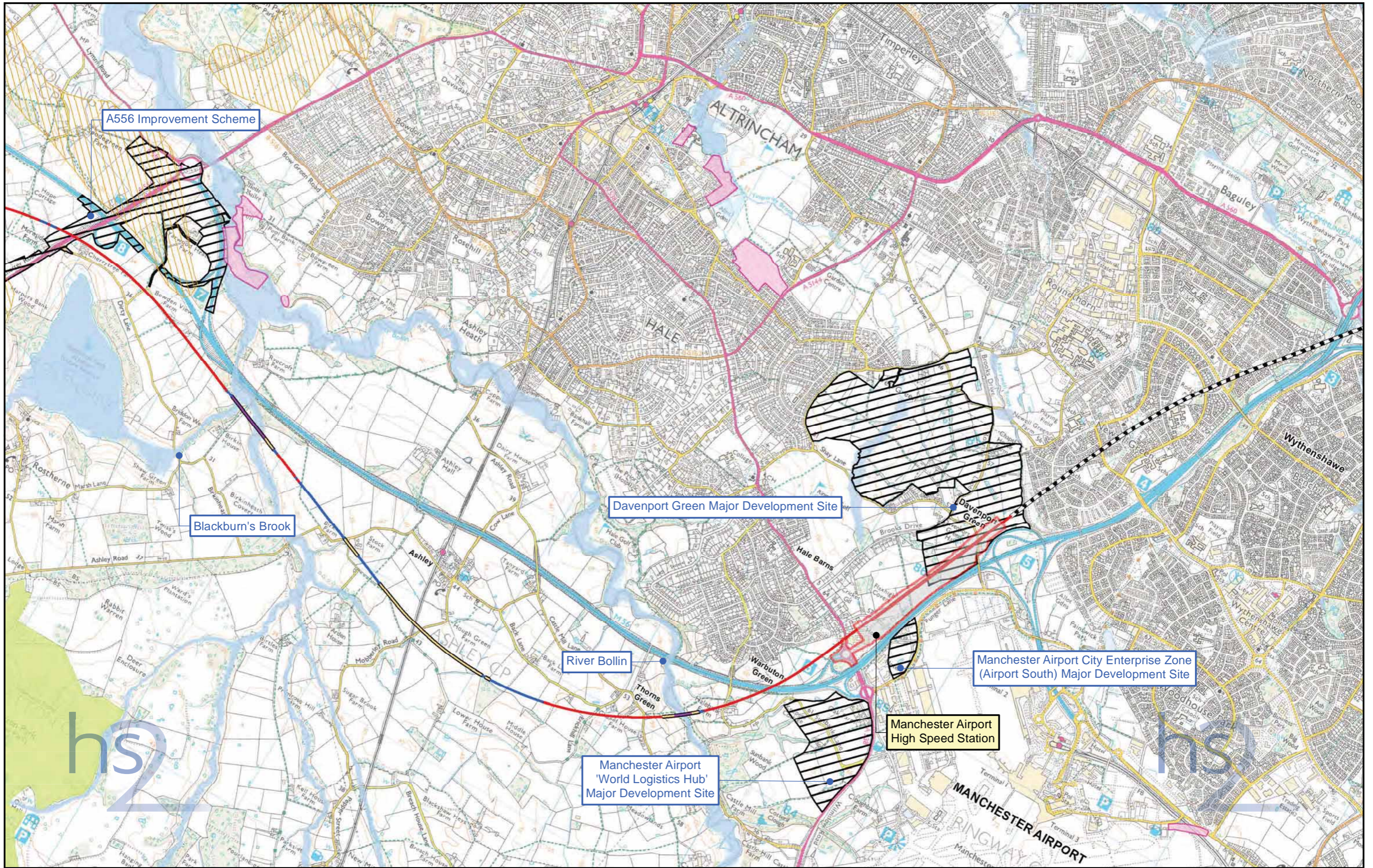
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Scale at A3: 1:25,000

0 0.5 1
Kilometers

Temple RSK

Date: 01/11/16



Route Alignment	Sustainability Features		
At Grade	Country Park	Major Development Site	Flood Zone 2
Cut and Cover Tunnel	Agricultural Land Grade 1	Flood Zone 3	Groundwater Source Protection Zone 1
Cutting	Agricultural Land Grade 2	Landfill Site (Disused)	Groundwater Source Protection Zone 2
Embankment	Landfill Site (Active)		
Tunnel			
Viaduct			

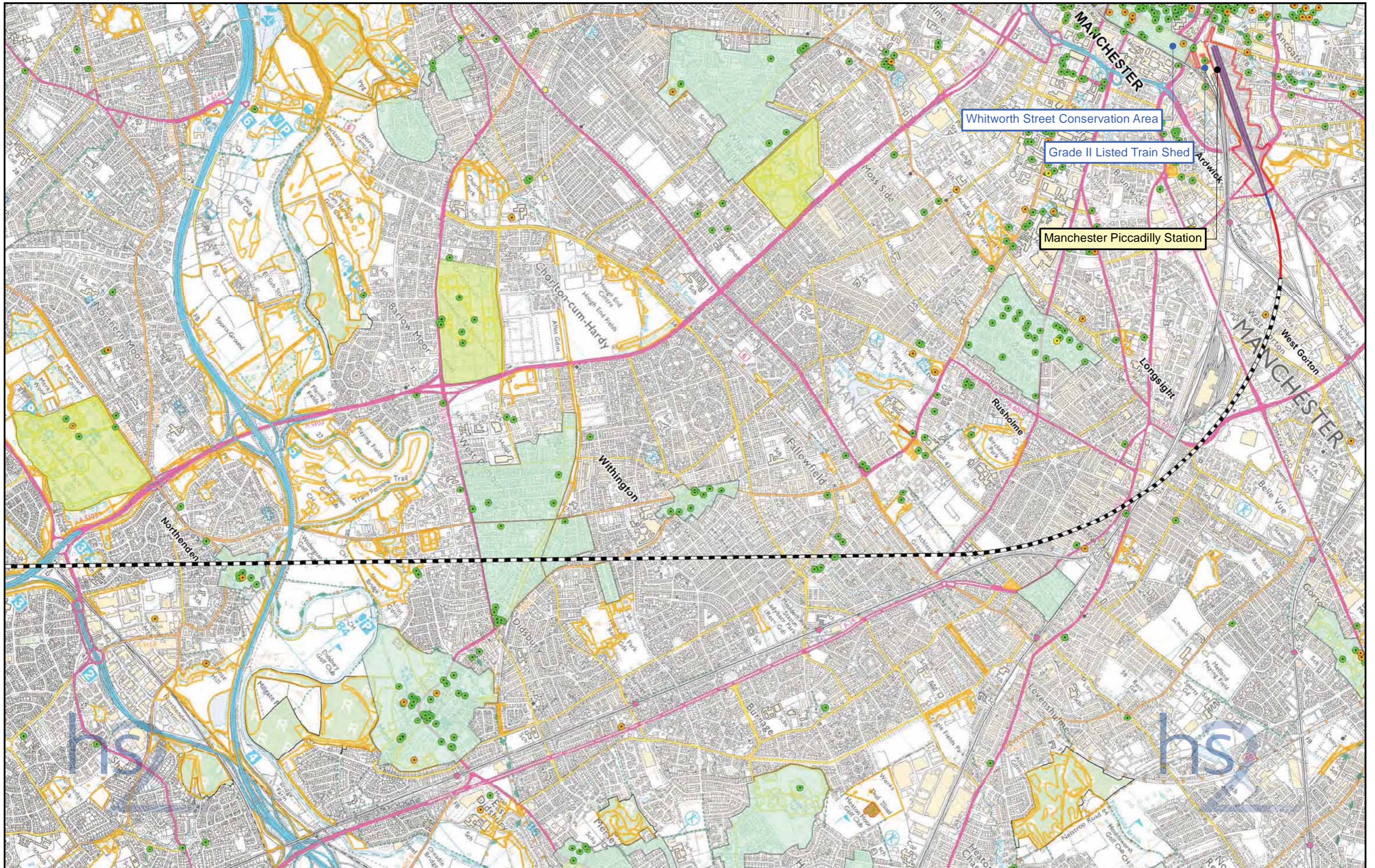
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Figure Name:	Preferred Route Crew to Manchester Key Environmental Features Set 2 of 2
Route Name:	HSM28A / HSM28B


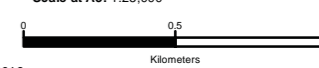
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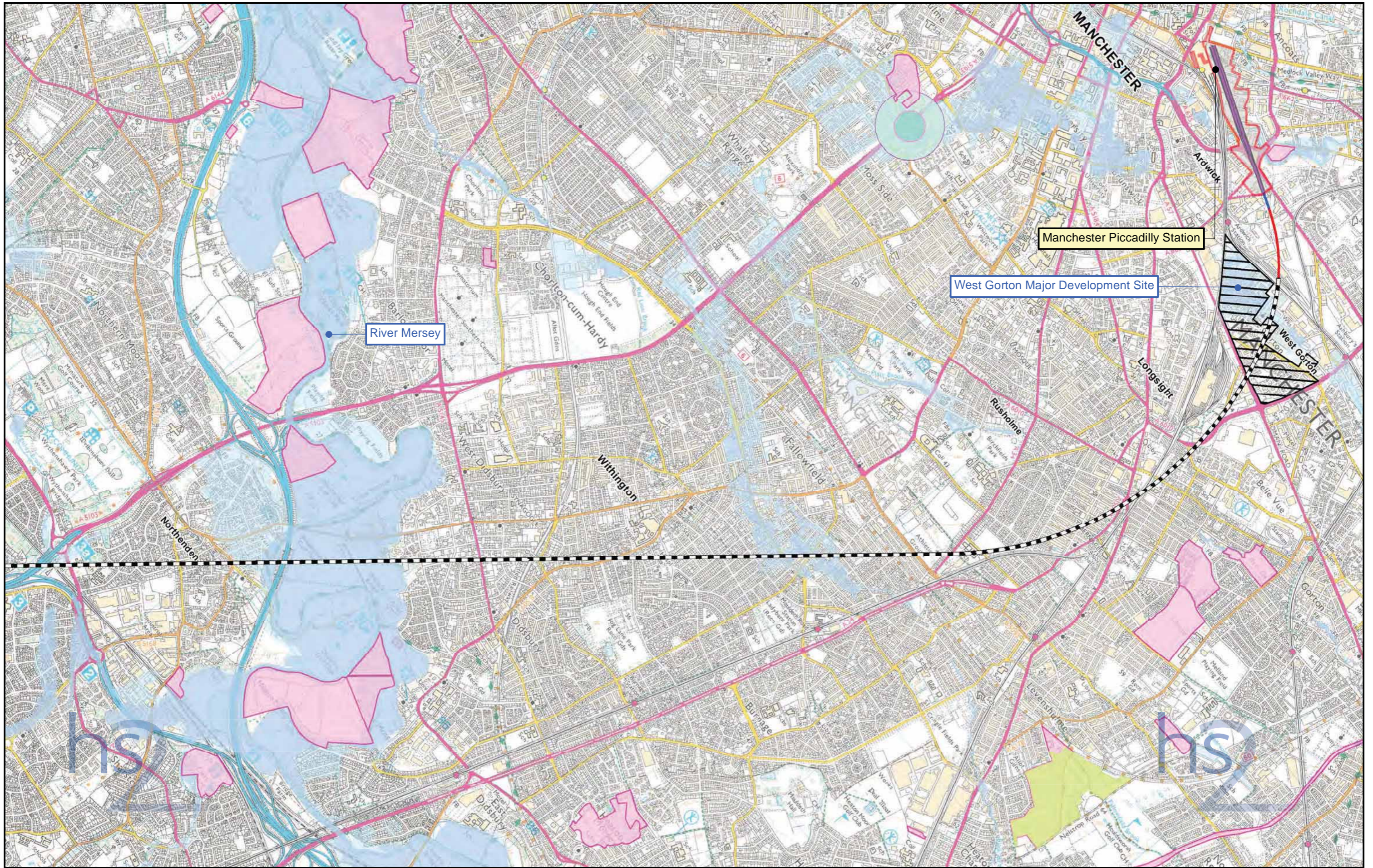
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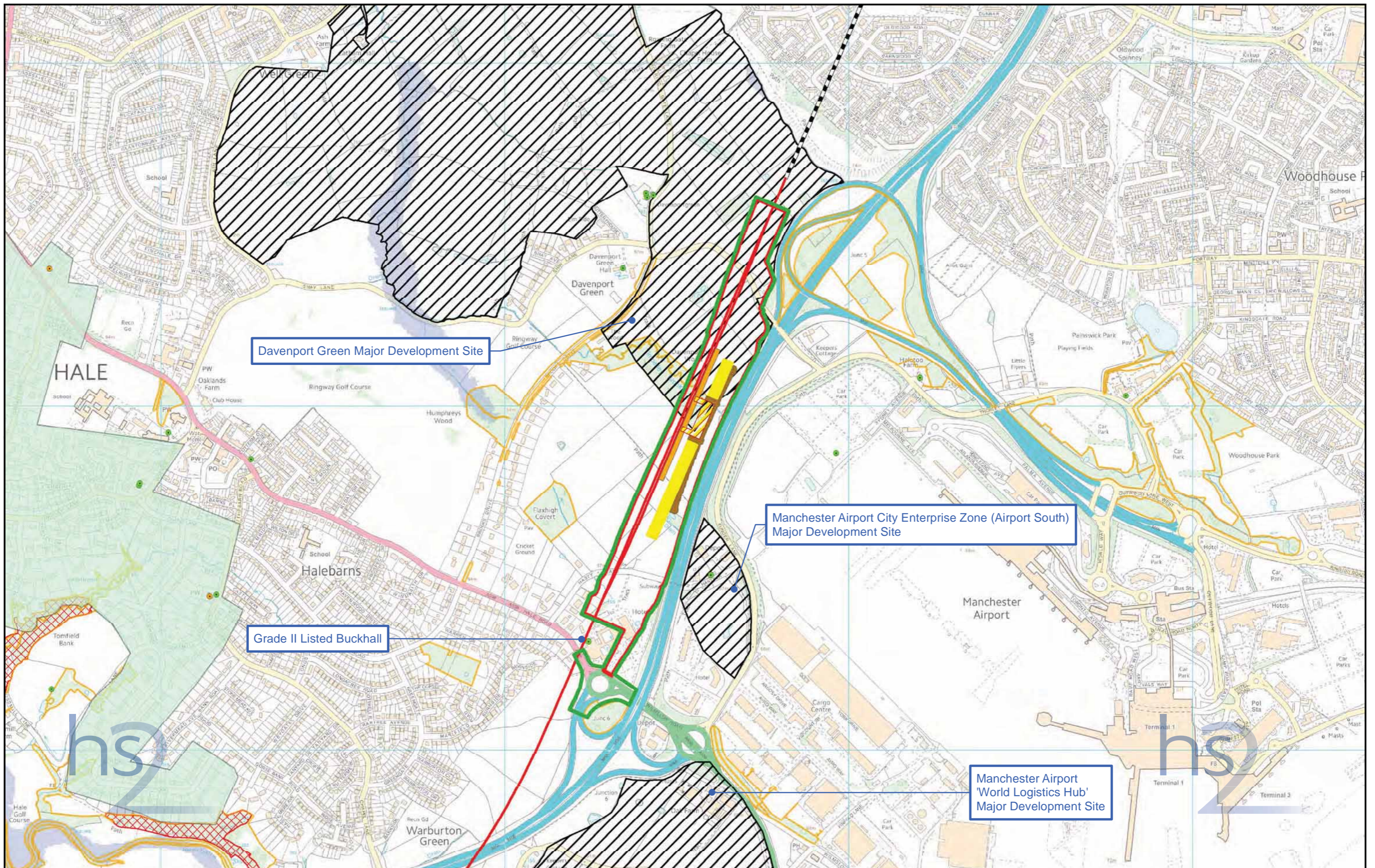
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<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> ● Listed Building Grade I ● Listed Building Grade II* ● Listed Building Grade II ■ Scheduled Monument ■ Ramsar Site ■ Special Area of Conservation (SAC) 	<ul style="list-style-type: none"> Special Protection Area (SPA) Site of Special Scientific Interest (SSSI) Registered Park and Garden National Nature Reserve (NNR) Registered Battlefield 	<ul style="list-style-type: none"> Habitat of Principal Importance Ancient Woodland Local Nature Reserve National Trust Ownership National Trail Conservation Area 	<p>Figure Number: WL-KE-08-01</p> <p>Figure Name: Preferred Route Crew to Manchester Key Environmental Features Set 1 of 2</p> <p>Route Name: HSM28B / HSM26</p>	<div style="text-align: center;">  <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> </div> <p>Temple RSK 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>Scale at A3: 1:25,000</p> <div style="text-align: center;">  <p>Kilometers</p> </div> <p>Drawing No: C331-TRK-EV-MAP-240-000001 Date: 01/11/16</p>
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<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> ■ Country Park ■ Agricultural Land Grade 1 ■ Agricultural Land Grade 2 ■ Landfill Site (Disused) ■ Landfill Site (Active) 	<ul style="list-style-type: none"> Major Development Site ■ Flood Zone 2 ■ Flood Zone 3 ■ Groundwater Source Protection Zone 1 ■ Groundwater Source Protection Zone 2 	<p>Figure Number: WL-KE-08-02</p> <p>Figure Name: Preferred Route Crew to Manchester Key Environmental Features Set 2 of 2</p> <p>Route Name: HSM28B / HSM26</p>	<p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Temple RSK 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>Scale at A3: 1:25,000</p> <p>0 0.5 Kilometers</p> <p>TEMPLE RSK</p> <p>Drawing No: C331-TRK-EV-MAP-240-000002 Date: 01/11/16</p>
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Route Alignment	Station Classification	Sustainability Features
At Grade	Construction Boundary	Listed Building Grade II*
Cut and Cover Tunnel	Operational Boundary	Listed Building Grade II
Cutting	Concourse	Conservation Area
Embankment	Car Park	Major Development Site
Tunnel	Forecourt	Flood Zone 3
Viaduct	Platform	Ancient Woodland
		Habitat of Principal Importance

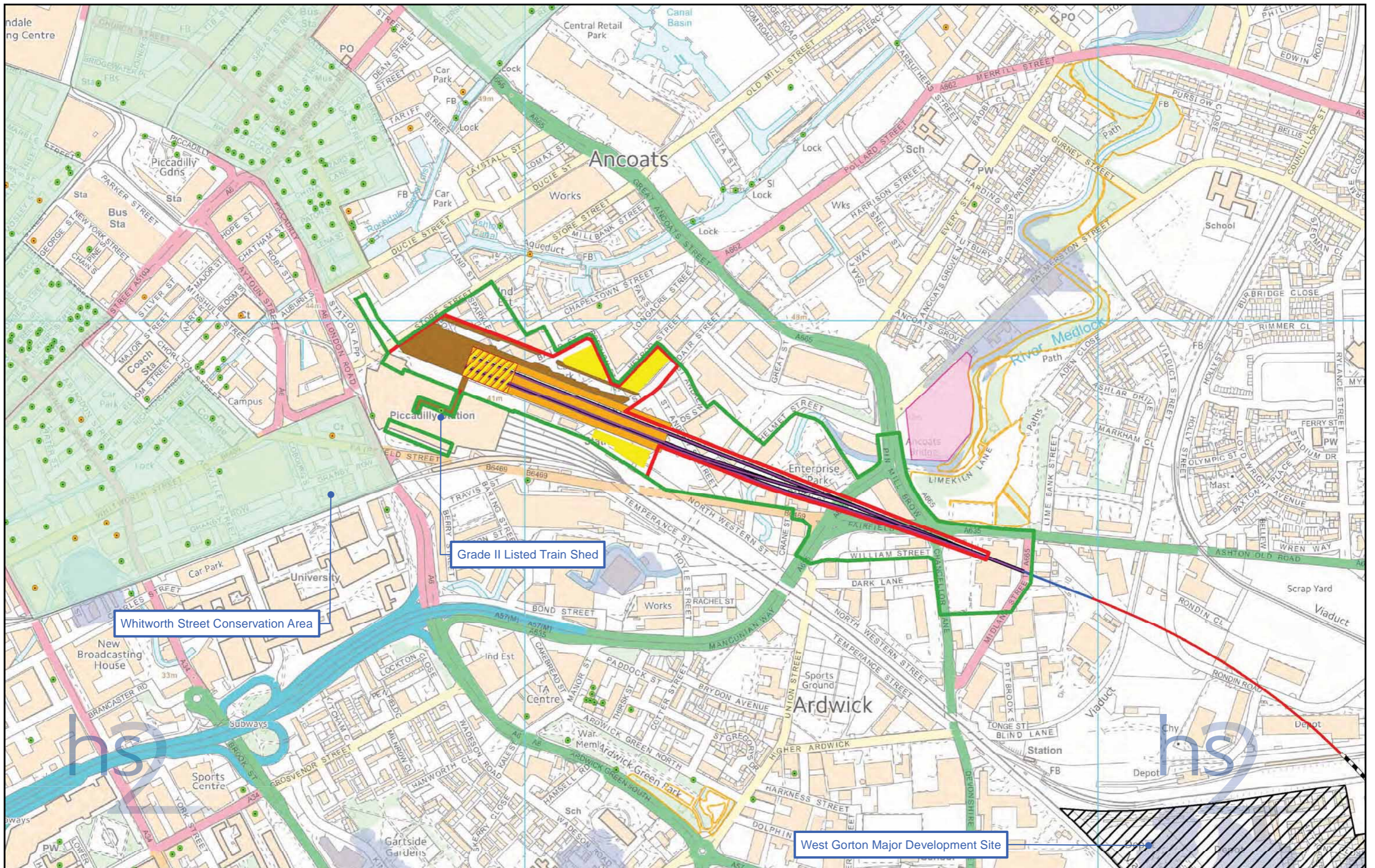
Figure Number:	WL-KE-09-03
Figure Name:	Key Environmental Features Manchester Airport High Speed Station
Route Name:	Western Leg Stations

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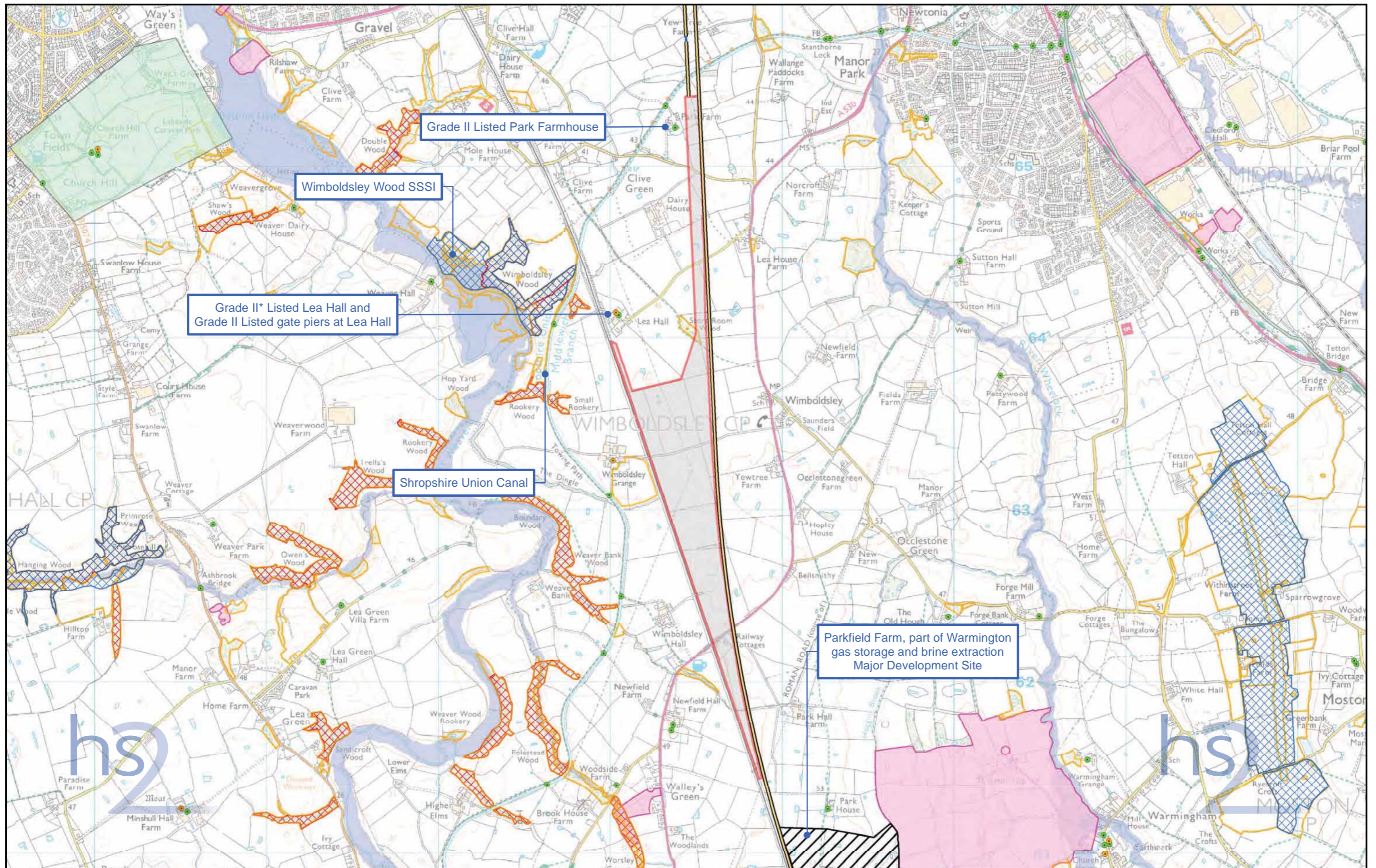
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Scale at A3: 1:10,000

Drawing No: C331-TRK-EV-MAP-260-000001 Date: 01/11/16



<p>Route Alignment</p> <ul style="list-style-type: none"> At Grade Cut and Cover Tunnel Cutting Embankment Tunnel Viaduct 	<p>Station Classification</p> <ul style="list-style-type: none"> Construction Boundary Operational Boundary Concourse Car Park Forecourt Platform 	<p>Sustainability Features</p> <ul style="list-style-type: none"> Listed Building Grade II* Listed Building Grade II Conservation Area Major Development Site Habitat of Principal Importance Landfill Site (Disused) Flood Zone 3 	<p>Figure Number: WL-KE-10-03</p> <p>Figure Name: Key Environmental Features Manchester Piccadilly High Speed Station</p> <p>Route Name: Western Leg Stations</p>	<p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Temple RSK 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>Scale at A3: 1:6,000</p> <p>0 100 200 Meters</p> <p>© Temple RSK</p> <p>Drawing No: C331-TRK-EV-MAP-250-000001 Date: 01/11/16</p>
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Route Alignment	Depot Classification	Sustainability Features
At Grade	Operational Boundary	Listed Building Grade II*
Cut and Cover Tunnel		Listed Building Grade II
Cutting		Scheduled Monument
Embankment		Site of Special Scientific Interest (SSSI)
Tunnel		Conservation Area
Viaduct		Conservation Area
		Major Development Site
		Habitat of Principal Importance
		Ancient Woodland
		Landfill Site (Disused)
		Flood Zone 3

Figure Number:	WL-KE-11-03
Figure Name:	Key Environmental Features Crewe North Rolling Stock Depot
Route Name:	Western Leg Depots

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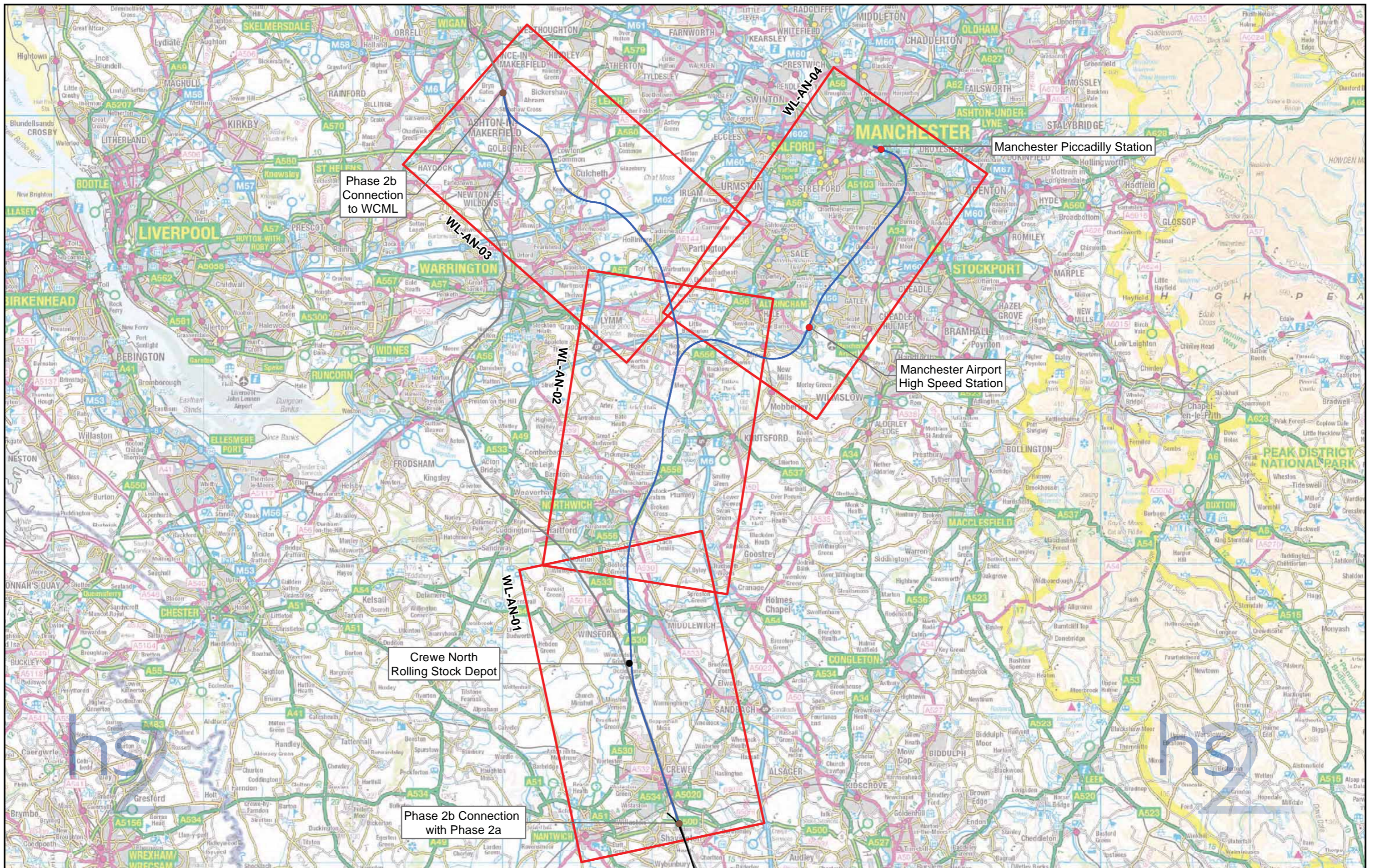
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Drawing No: C331-TRK-EV-MAP-220-000062 Date: 01/11/16

Western Leg – Manchester

Residential Airborne Noise Mapping

Sets 1 and 2: without and including additional mitigation



- Route Alignment**
- Preferred Route Crewe to Manchester
 - Connection
 - Depot
 - Station
 - Preferred Route to Crewe
 - WCML
 - Map Window

Figure Number: **WL-AN-INDEX**

Figure Name: **Map Index Overview**
Preferred Route Crewe to Manchester
Residential Airborne Noise Appraisal

Route Name: **Western Leg**

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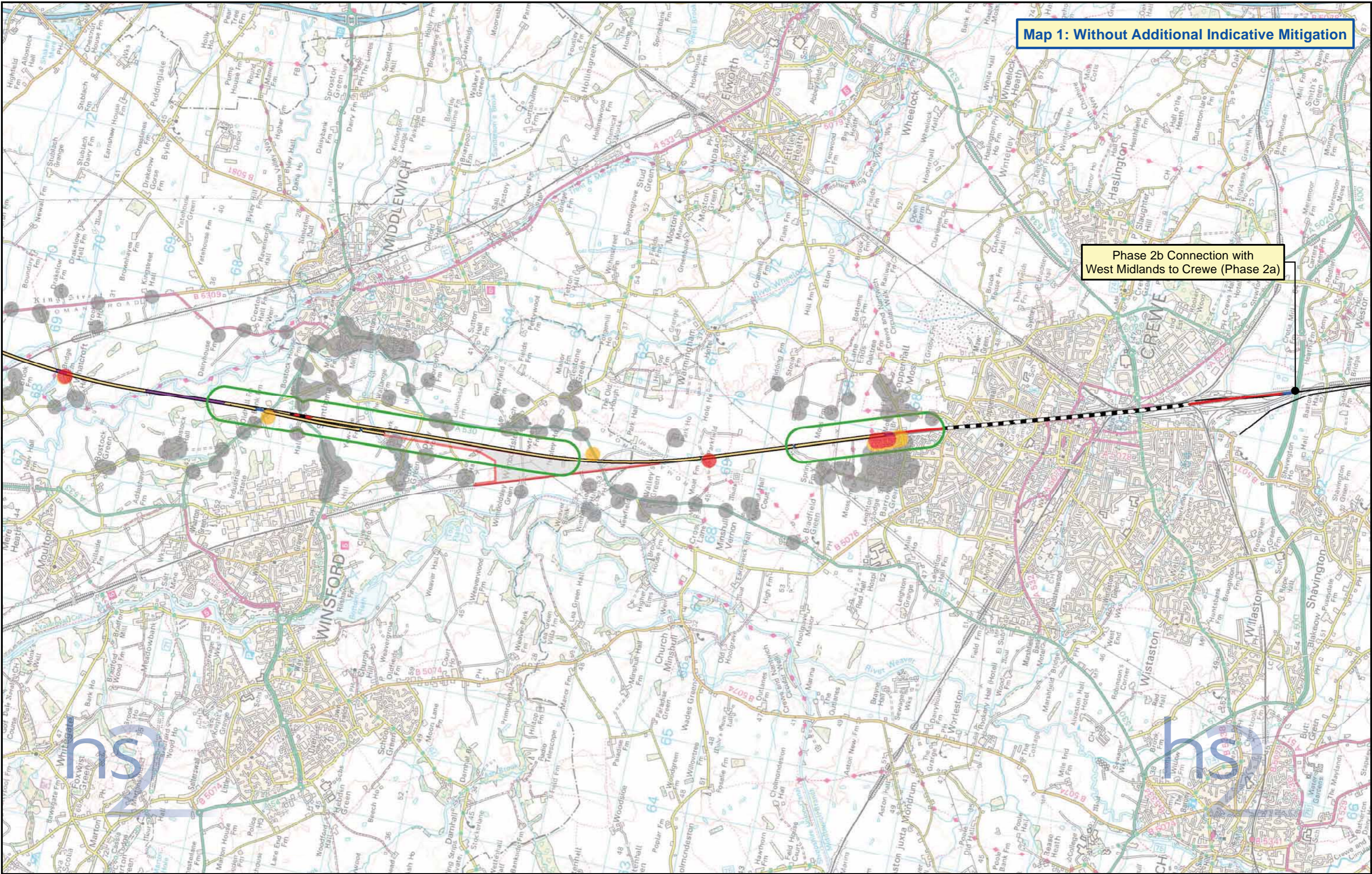
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Map 1: Without Additional Indicative Mitigation

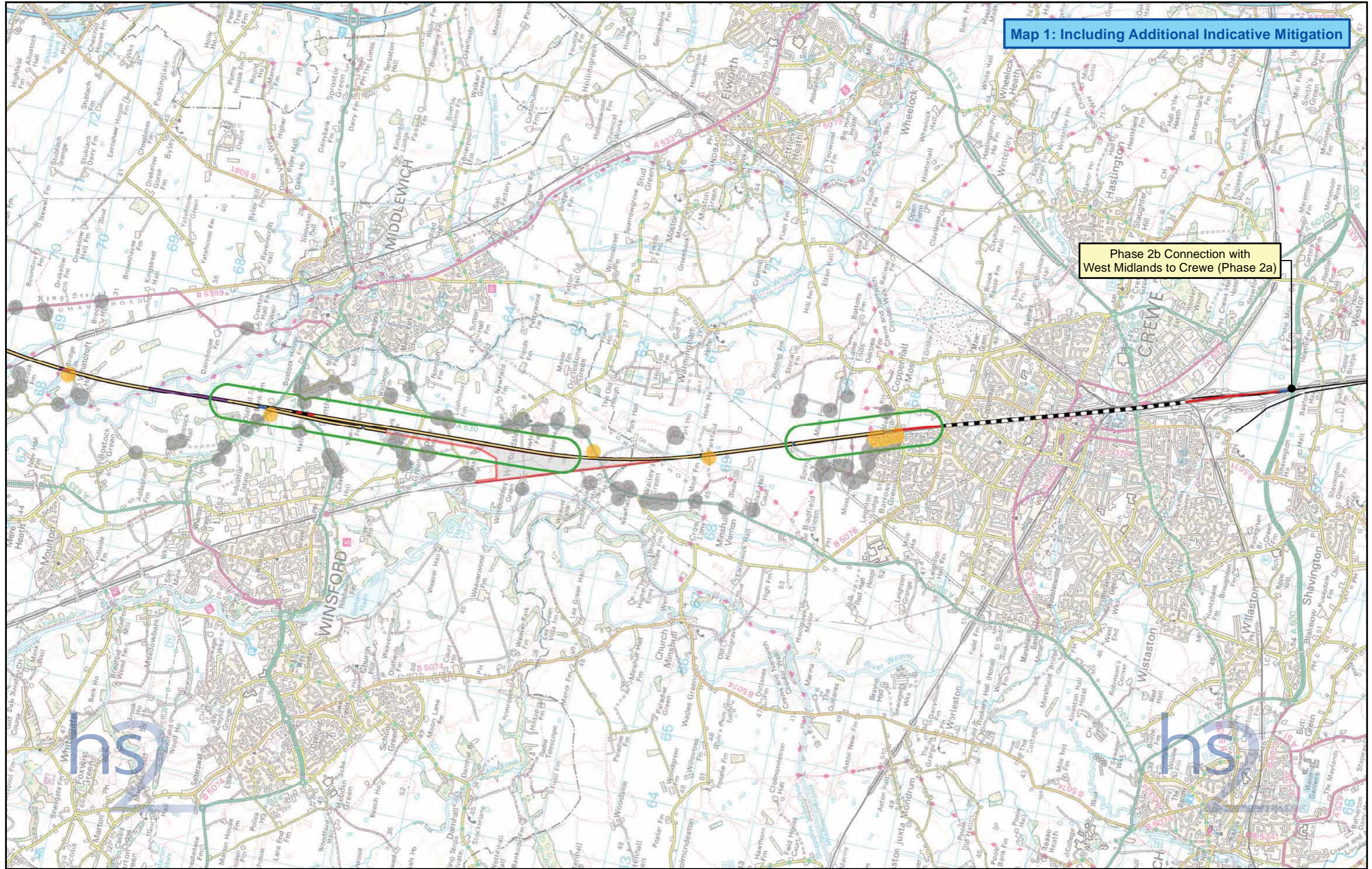
Phase 2b Connection with West Midlands to Crewe (Phase 2a)


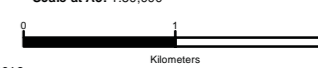



<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Western Leg Station or Depot</p> <ul style="list-style-type: none"> Operational Boundary 	<p>Without Additional Indicative Mitigation, Areas Where Dwellings:</p> <ul style="list-style-type: none"> ● Potentially Experience High Noise Levels ● Are Potentially Eligible for Noise Insulation ● Potentially Experience a Noticeable Noise Increase 	<p> Preliminary Candidate Area for Mitigation</p>	<p>Figure Number: WL-AN-01-01</p> <p>Figure Name: Residential Airborne Noise Appraisal Preferred Route Crewe to Manchester Without Additional Indicative Mitigation</p> <p>Route Name: HSM10B</p>	<div style="text-align: right;">  <p>Temple RSK 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>Scale at A3: 1:50,000</p>  <p>Kilometers</p> </div> <div style="text-align: right;">  </div> <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-220-000064 Date: 01/11/16</p>
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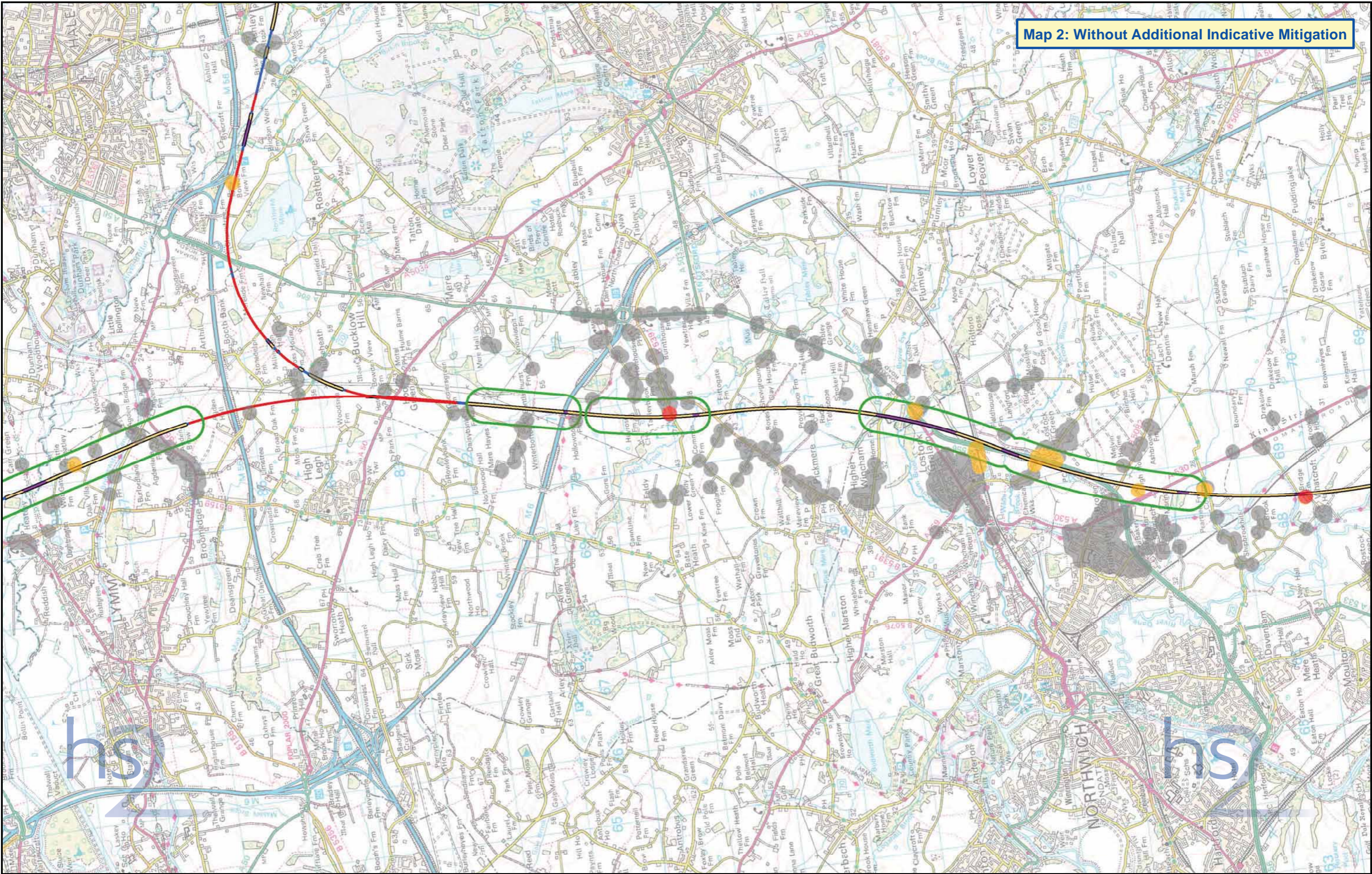
Map 1: Including Additional Indicative Mitigation


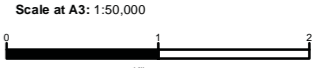

Phase 2b Connection with West Midlands to Crewe (Phase 2a)



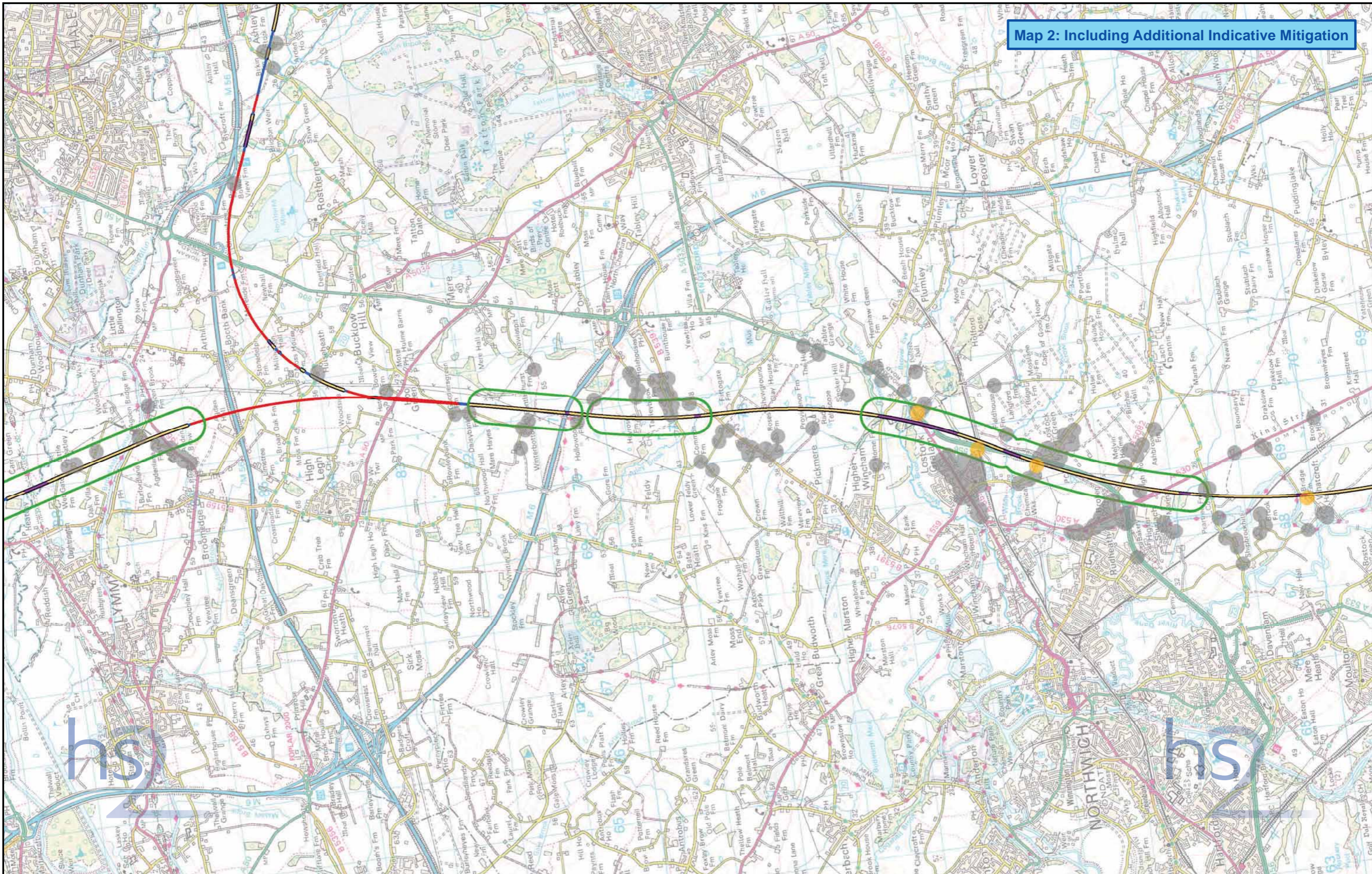
<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Western Leg Station or Depot</p> <ul style="list-style-type: none"> Operational Boundary 	<p>Including Additional Indicative Mitigation, Areas Where Dwellings:</p> <ul style="list-style-type: none"> ● Potentially Experience High Noise Levels ● Are Potentially Eligible for Noise Insulation ● Potentially Experience a Noticeable Noise Increase 	<p> Preliminary Candidate Area for Mitigation</p>	<p>Figure Number: WL-AN-01-02</p> <p>Figure Name: Residential Airborne Noise Appraisal Preferred Route Crewe to Manchester Including Additional Indicative Mitigation</p> <p>Route Name: HSM10B</p>	<div style="text-align: right;">  <p>Temple RSK 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>Scale at A3: 1:50,000</p>  <p>Kilometers</p> </div> <div style="text-align: right;">  </div> <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-220-000065 Date: 01/11/16</p>
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Map 2: Without Additional Indicative Mitigation



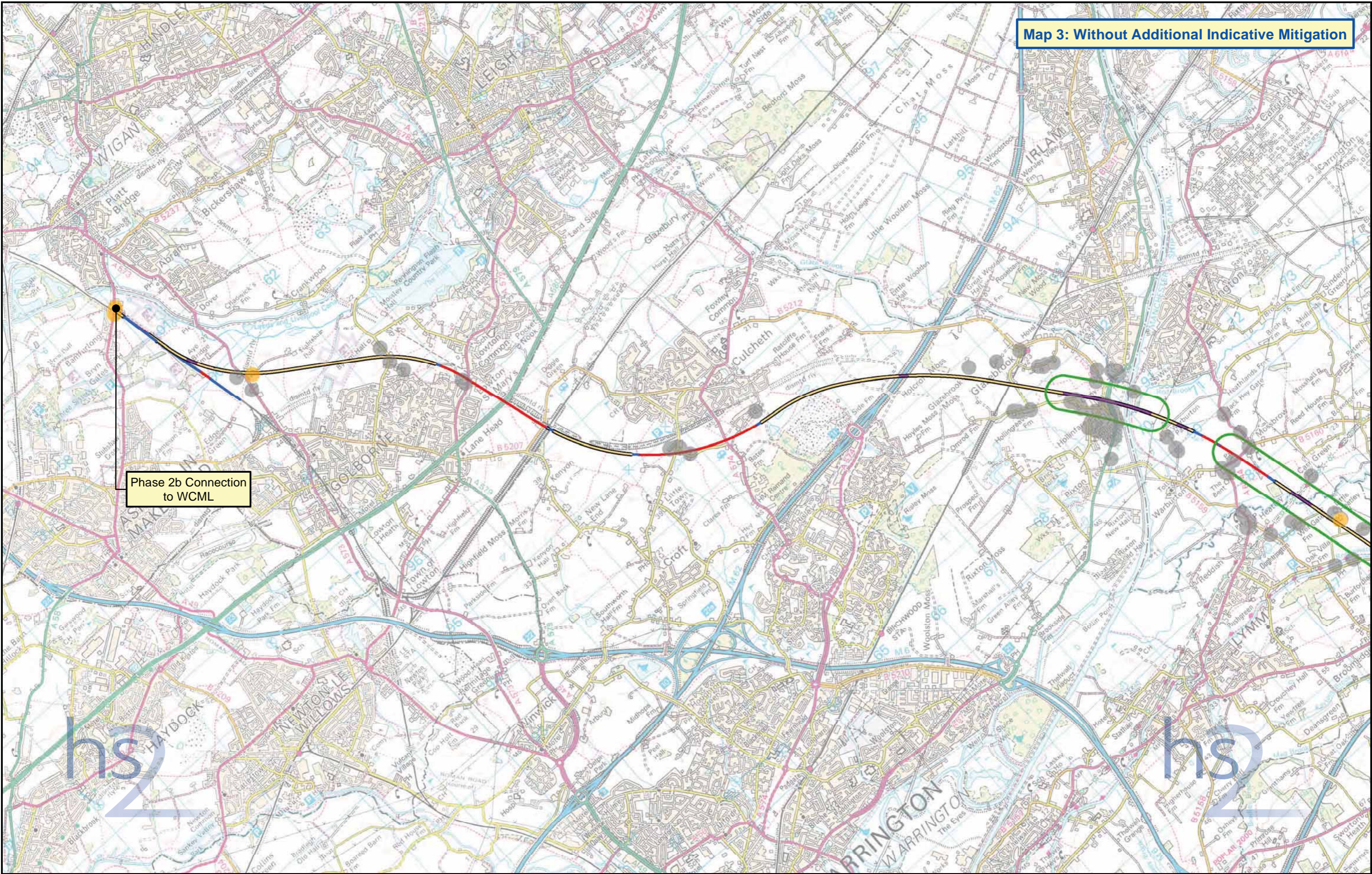
<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Western Leg Station or Depot</p> <ul style="list-style-type: none"> Operational Boundary 	<p>Without Additional Indicative Mitigation, Areas Where Dwellings:</p> <ul style="list-style-type: none"> ● Potentially Experience High Noise Levels ● Are Potentially Eligible for Noise Insulation ● Potentially Experience a Noticeable Noise Increase 	<p> Preliminary Candidate Area for Mitigation</p>	<p>Figure Number: WL-AN-02-01</p> <p>Figure Name: Residential Airborne Noise Appraisal Preferred Route Crewe to Manchester Without Additional Indicative Mitigation</p> <p>Route Name: HSM10B / HSM12 / HSM28A / HSM28B</p>	<div style="text-align: right;">  <p>Temple RSK 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>Scale at A3: 1:50,000</p>  </div> <div style="text-align: right;">  </div> <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-220-000066 Date: 01/11/16</p>
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Map 2: Including Additional Indicative Mitigation



<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Western Leg Station or Depot</p> <ul style="list-style-type: none"> Operational Boundary 	<p>Including Additional Indicative Mitigation, Areas Where Dwellings:</p> <ul style="list-style-type: none"> ● Potentially Experience High Noise Levels ● Are Potentially Eligible for Noise Insulation ● Potentially Experience a Noticeable Noise Increase 	<p> Preliminary Candidate Area for Mitigation</p>	<p>Figure Number: WL-AN-02-02</p> <p>Figure Name: Residential Airborne Noise Appraisal Preferred Route Crewe to Manchester Including Additional Indicative Mitigation</p> <p>Route Name: HSM10B / HSM12 / HSM28A / HSM28B</p>	<div style="text-align: right;">  <p>Temple RSK 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>Scale at A3: 1:50,000</p>  </div> <div style="text-align: right;">  </div> <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-220-000067 Date: 01/11/16</p>
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Map 3: Without Additional Indicative Mitigation



Phase 2b Connection to WCML

- Route Alignment**
- At Grade
 - Cut and Cover Tunnel
 - Cutting
 - Embankment
 - Tunnel
 - Viaduct

- Western Leg Station or Depot**
- Operational Boundary

- Without Additional Indicative Mitigation, Areas Where Dwellings:**
- Potentially Experience High Noise Levels
 - Are Potentially Eligible for Noise Insulation
 - Potentially Experience a Noticeable Noise Increase

- Preliminary Candidate Area for Mitigation

Figure Number: WL-AN-03-01
 Figure Name: Residential Airborne Noise Appraisal Preferred Route Crewe to Manchester Without Additional Indicative Mitigation
 Route Name: HSM12 / HSM21 / HSM22

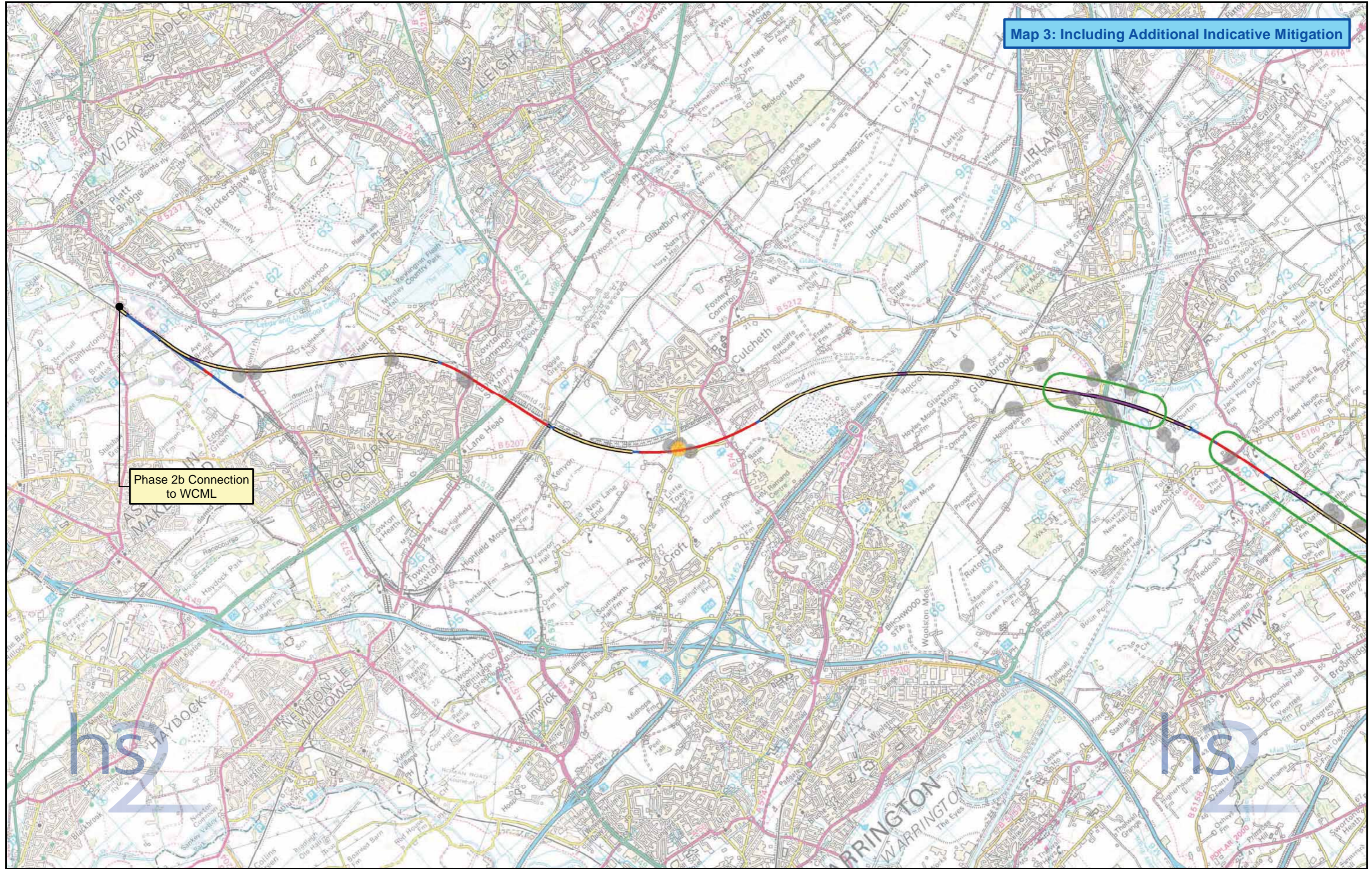
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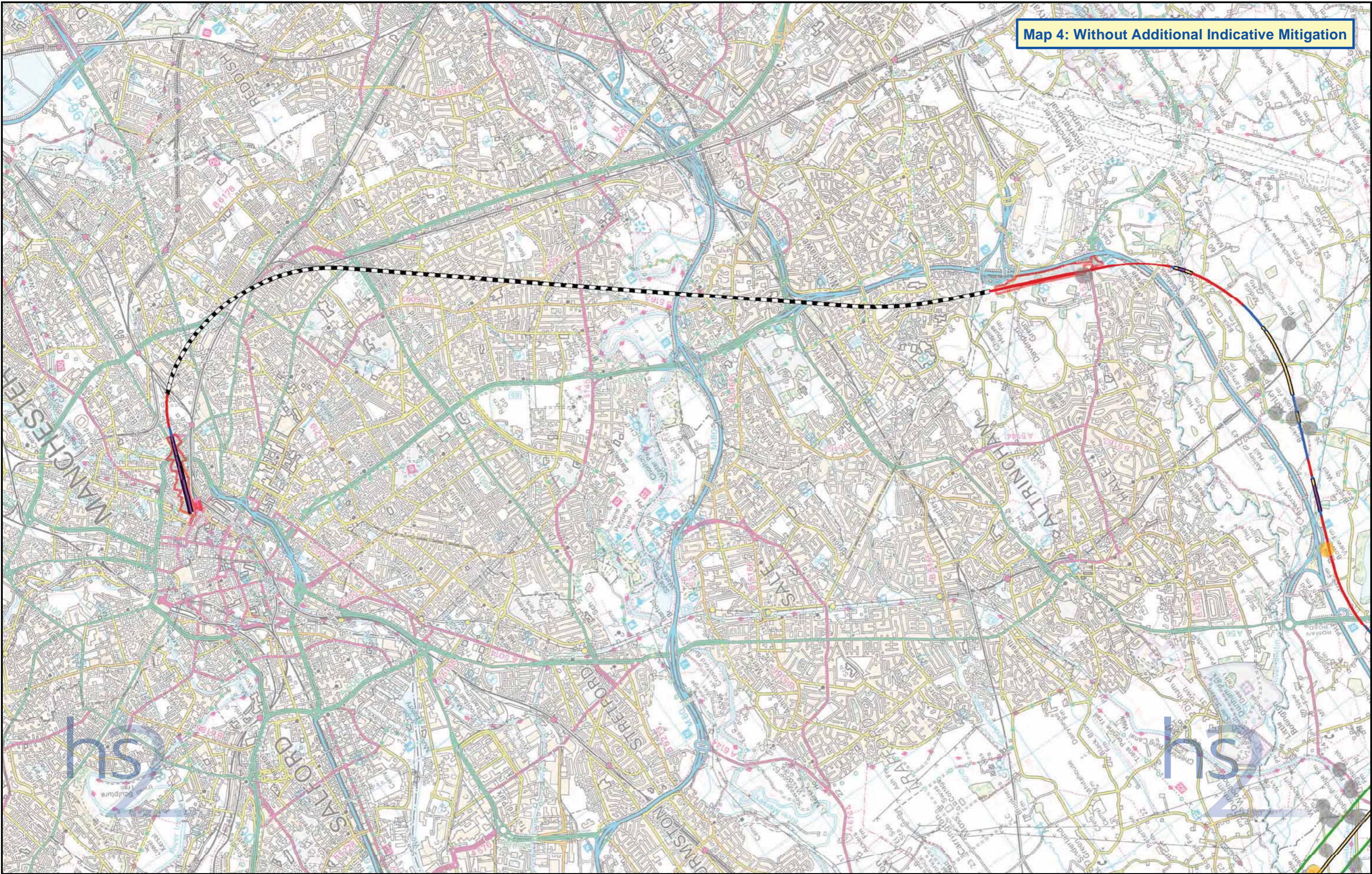
Map 3: Including Additional Indicative Mitigation



Phase 2b Connection to WCML

<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Western Leg Station or Depot</p> <ul style="list-style-type: none"> Operational Boundary 	<p>Including Additional Indicative Mitigation, Areas Where Dwellings:</p> <ul style="list-style-type: none"> ● Potentially Experience High Noise Levels ● Are Potentially Eligible for Noise Insulation ● Potentially Experience a Noticeable Noise Increase 	<ul style="list-style-type: none"> Preliminary Candidate Area for Mitigation 	<p>Figure Number: WL-AN-03-02</p> <p>Figure Name: Residential Airborne Noise Appraisal Preferred Route Crewe to Manchester Including Additional Indicative Mitigation</p> <p>Route Name: HSM12 / HSM21 / HSM22</p>	<div style="text-align: center;">  <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> </div> <p>Temple RSK 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>Scale at A3: 1:50,000</p> <p style="text-align: right;">Kilometers</p> <p>Drawing No: C331-TRK-EV-MAP-280-000004 Date: 01/11/16</p>
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Map 4: Without Additional Indicative Mitigation



Route Alignment

- At Grade
- Cut and Cover Tunnel
- Cutting
- Embankment
- - - Tunnel
- Viaduct

Western Leg Station or Depot

- Operational Boundary

Without Additional Indicative Mitigation, Areas Where Dwellings:


- Potentially Experience High Noise Levels
- Are Potentially Eligible for Noise Insulation
- Potentially Experience a Noticeable Noise Increase

Preliminary Candidate Area for Mitigation

Figure Number: WL-AN-04-01

Figure Name: Residential Airborne Noise Appraisal Preferred Route Crewe to Manchester Without Additional Indicative Mitigation


Route Name: HSM28B / HSM26




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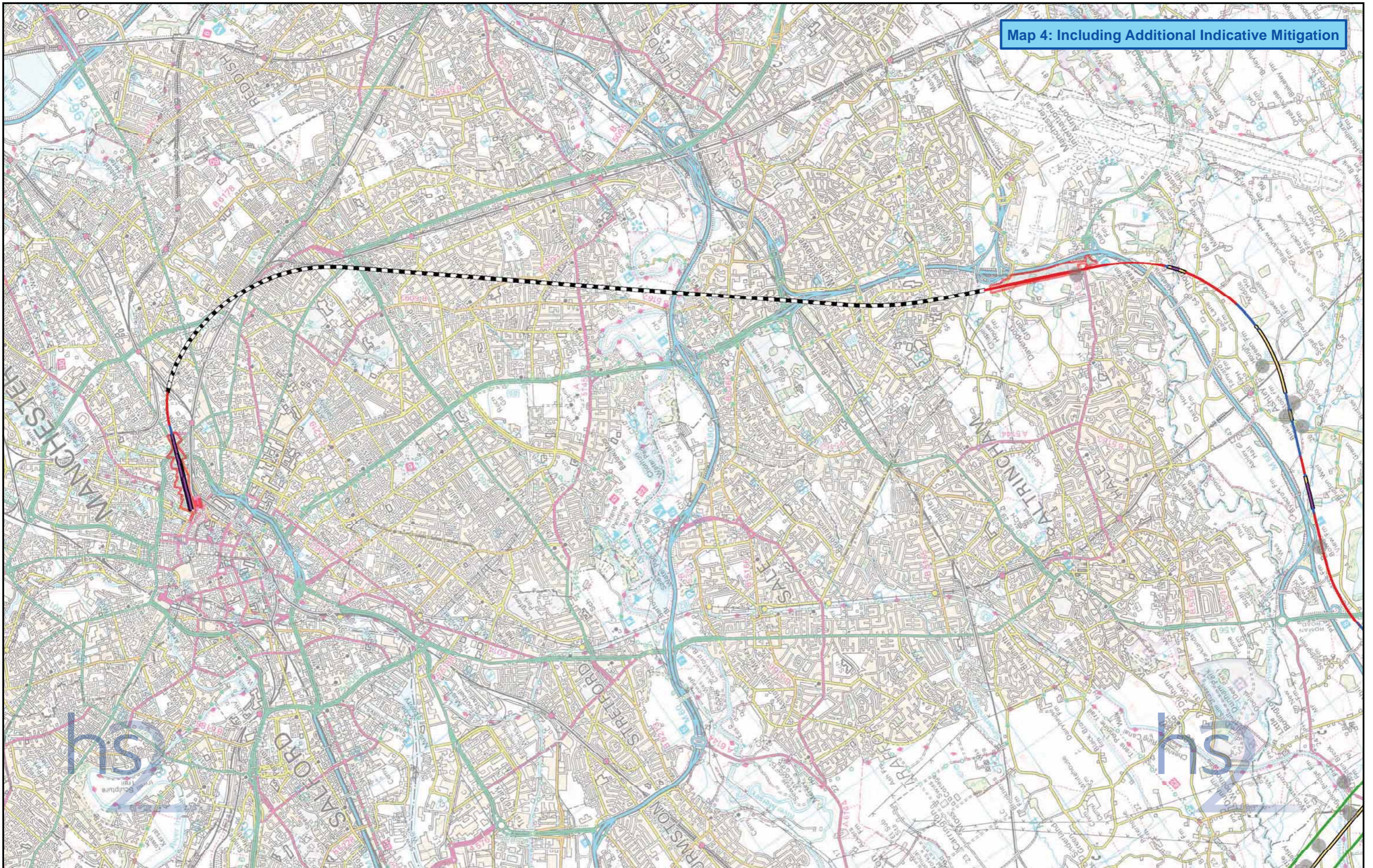





Kilometers



Drawing No: C331-TRK-EV-MAP-240-000003 Date: 01/11/16

Map 4: Including Additional Indicative Mitigation



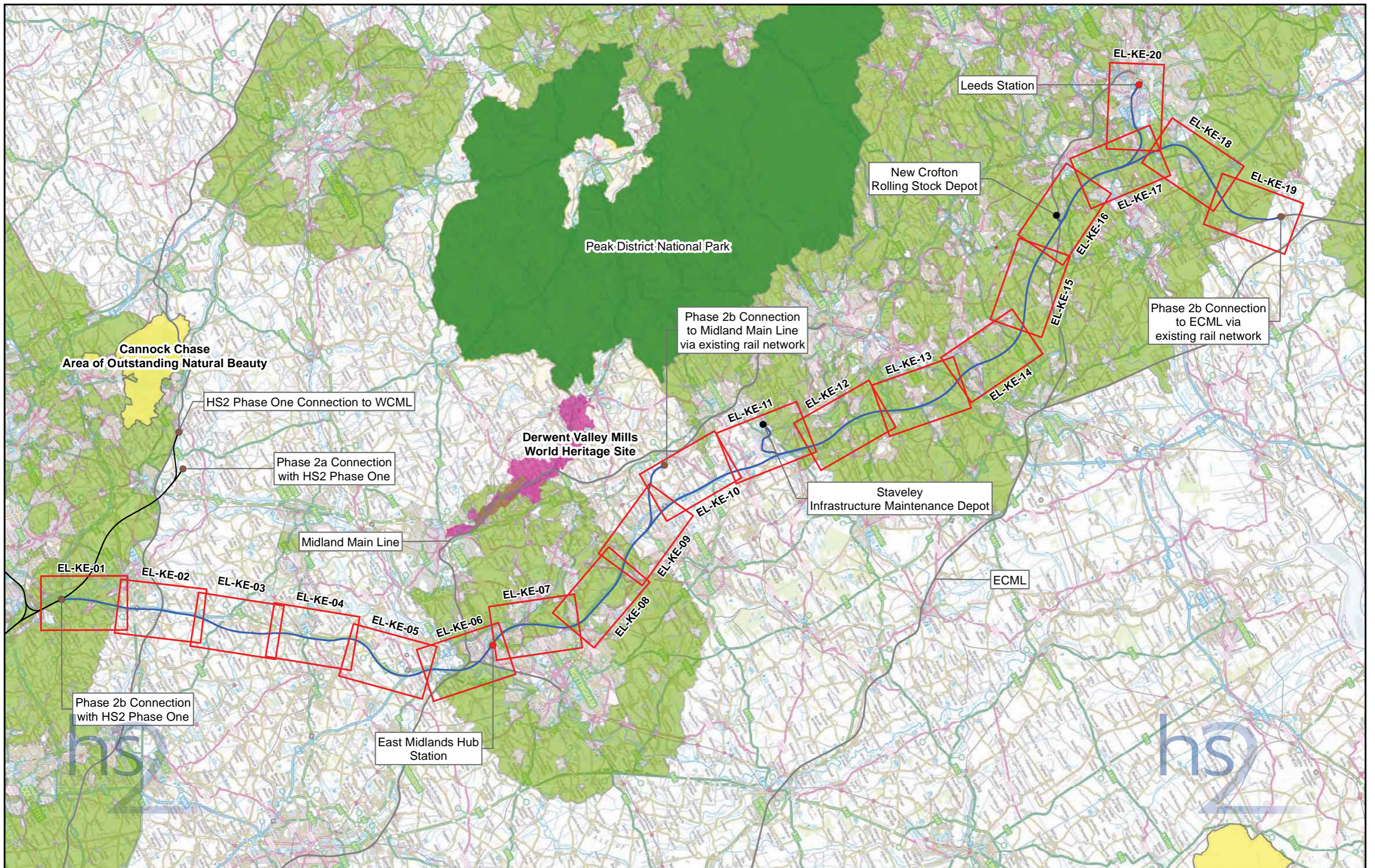
<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment - - - Tunnel — Viaduct 	<p>Western Leg Station or Depot</p> <ul style="list-style-type: none"> Operational Boundary 	<p>Including Additional Indicative Mitigation, Areas Where Dwellings:</p> <ul style="list-style-type: none"> ● Potentially Experience High Noise Levels ● Are Potentially Eligible for Noise Insulation ● Potentially Experience a Noticeable Noise Increase 	<ul style="list-style-type: none"> Preliminary Candidate Area for Mitigation 	<p>Figure Number: WL-AN-04-02</p> <p>Figure Name: Residential Airborne Noise Appraisal Preferred Route Crewe to Manchester Including Additional Indicative Mitigation</p> <p>Route Name: HSM28B / HSM26</p>	<div style="text-align: right;">  <p>Temple RSK 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>Scale at A3: 1:50,000</p>  </div> <div style="text-align: right;">  <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-240-000004 Date: 01/11/16</p> </div>
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Eastern Leg – Leeds

Eastern Leg – Leeds

Environmental Features Mapping

Sets 1 and 2



Route Alignment

- Preferred Route to Leeds
- Connection
- Depot
- Station
- HS2 Phase One
- Existing Rail Network
- Map Window

Sustainability Features

- World Heritage Site
- Area of Outstanding Natural Beauty
- National Park
- Green Belt

Figure Number: **EL-KE-INDEX**

Figure Name: **Map Index Overview Preferred Route to Leeds Key Environmental Features Mapping**

Route Name: **Eastern Leg**

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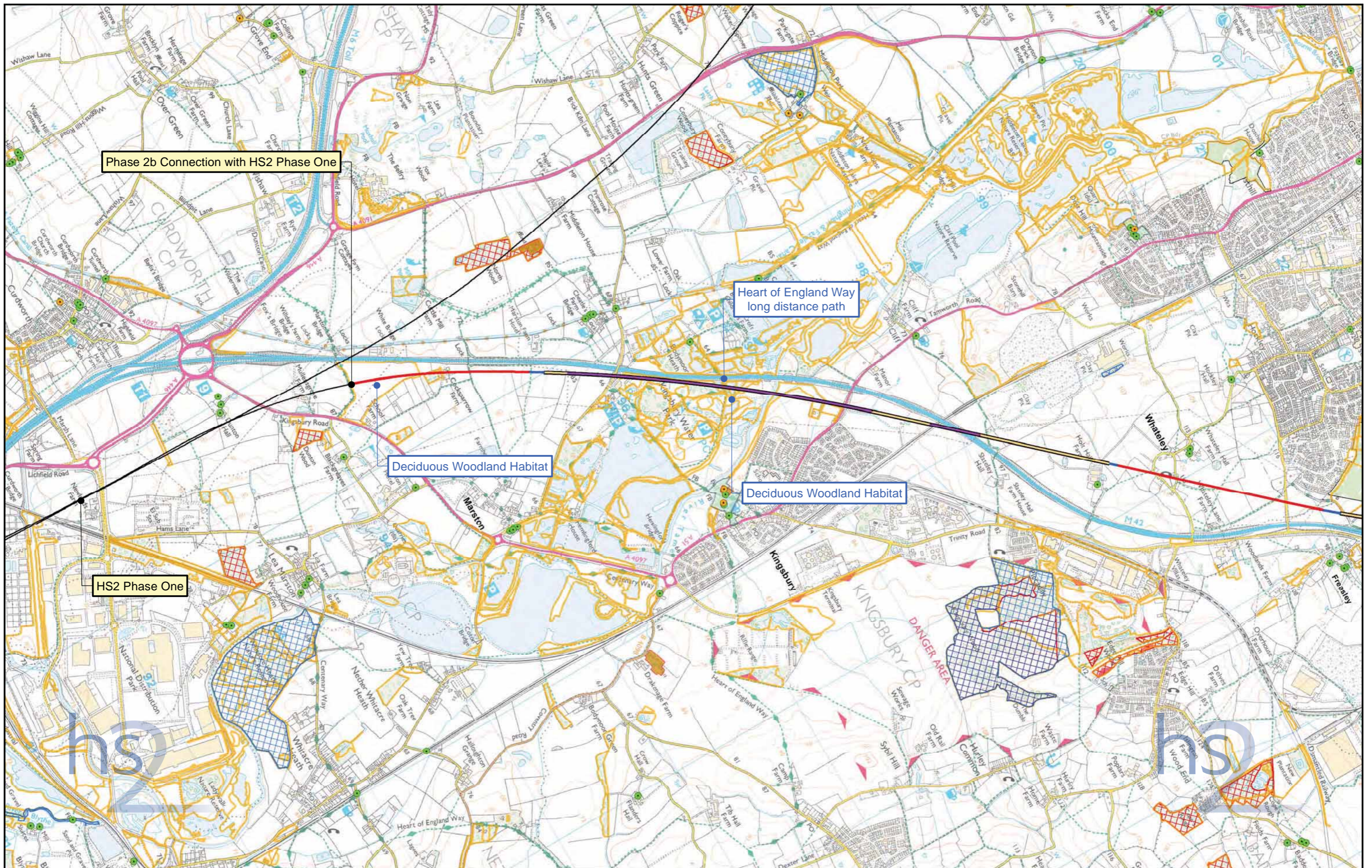
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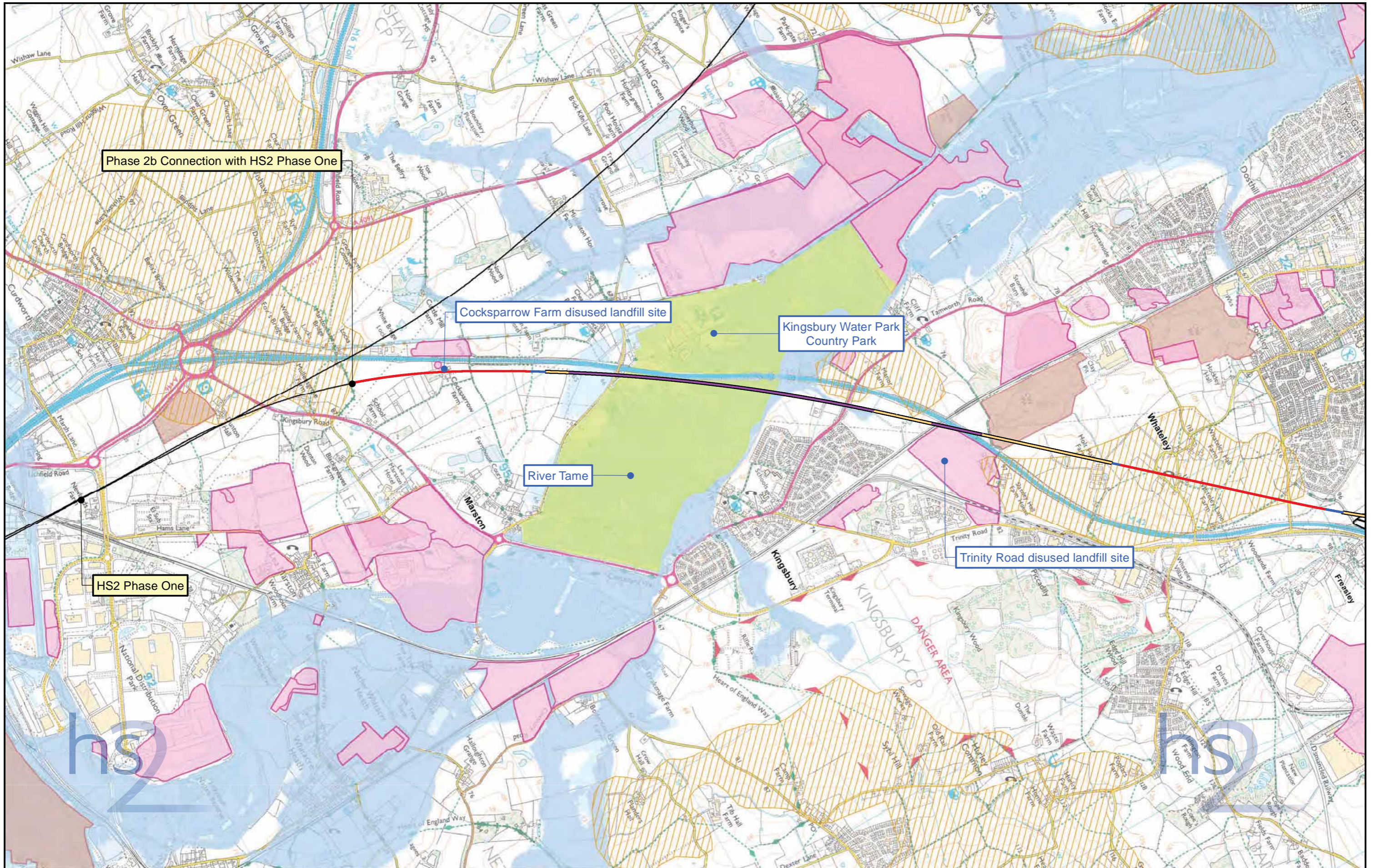
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Kilometers

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Drawing No: C331-TRK-EV-MAP-100-000044 **Date: 01/11/16**



<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment Tunnel — Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> ● Listed Building Grade I ● Listed Building Grade II* ● Listed Building Grade II ■ Scheduled Monument ■ Ramsar Site Special Area of Conservation (SAC) 	<ul style="list-style-type: none"> Special Protection Area (SPA) Site of Special Scientific Interest (SSSI) Registered Park and Garden National Nature Reserve (NNR) Registered Battlefield 	<ul style="list-style-type: none"> Habitat of Principal Importance Ancient Woodland Local Nature Reserve National Trust Ownership — National Trail Conservation Area 	<p>Figure Number: EL-KE-01-01</p> <p>Figure Name: Preferred Route to Leeds Key Environmental Features Set 1 of 2</p> <p>Route Name: HSL01</p>	<p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Temple RSK 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>Scale at A3: 1:25,000</p> <p>0 0.5 Kilometers</p> <p>Drawing No: C331-TRK-EV-MAP-110-000021 Date: 01/11/16</p>
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Route Alignment

	At Grade
	Cut and Cover Tunnel
	Cutting
	Embankment
	Tunnel
	Viaduct

Sustainability Features

	Country Park
	Agricultural Land Grade 1
	Agricultural Land Grade 2
	Landfill Site (Disused)
	Landfill Site (Active)

	Major Development Site
	Flood Zone 2
	Flood Zone 3
	Groundwater Source Protection Zone 1
	Groundwater Source Protection Zone 2

Figure Number:	EL-KE-01-02
Figure Name:	Preferred Route to Leeds Key Environmental Features Set 2 of 2
Route Name:	HSL01

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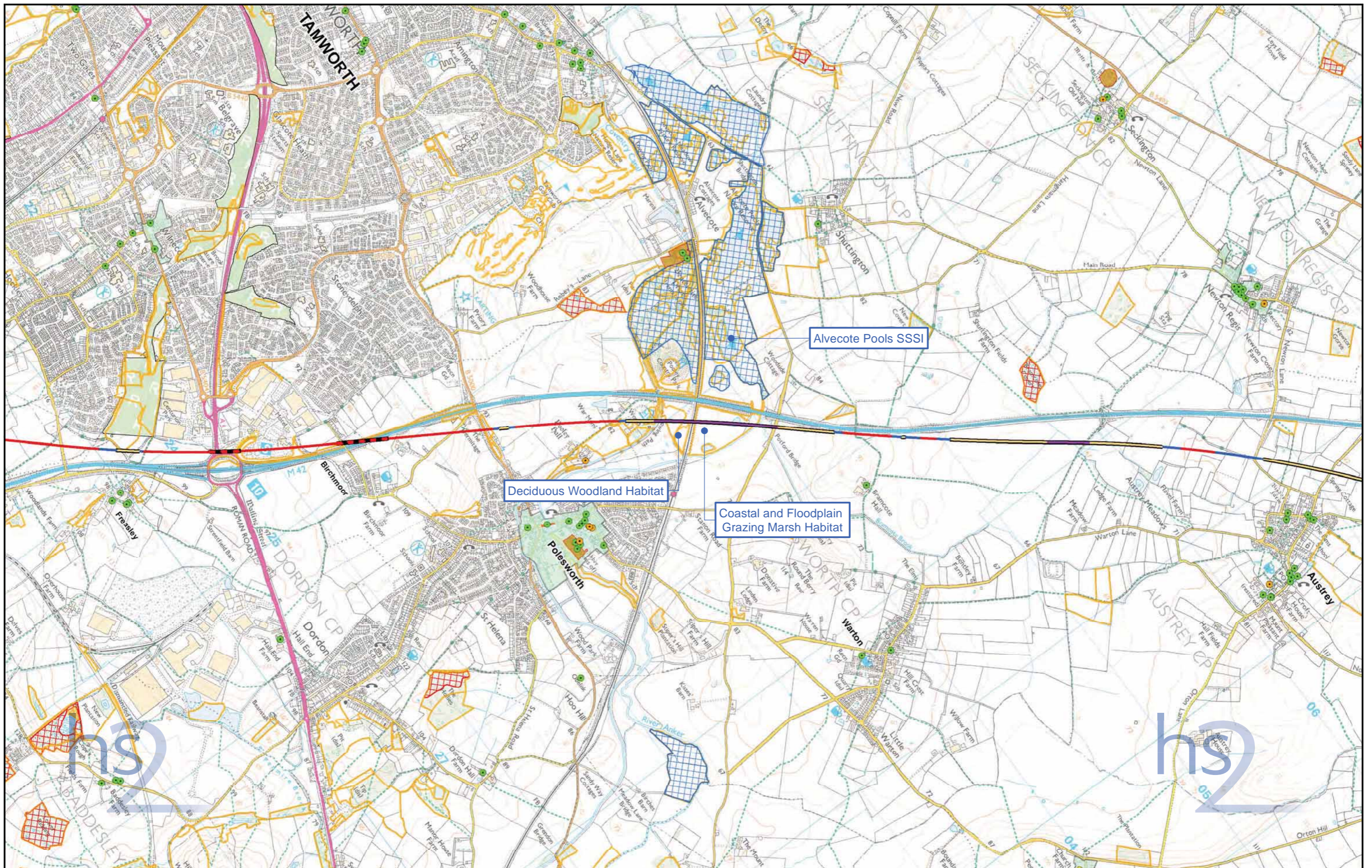
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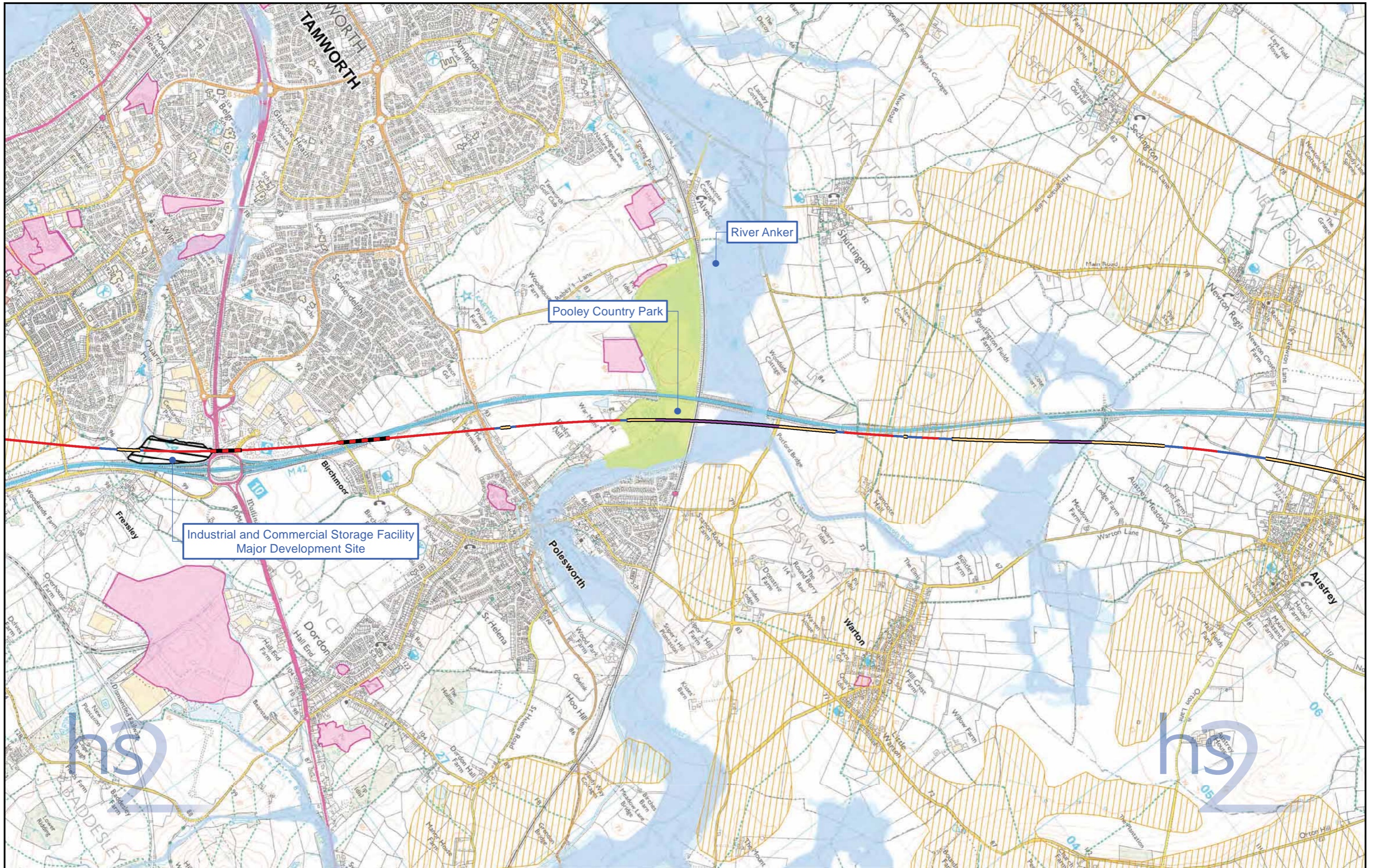
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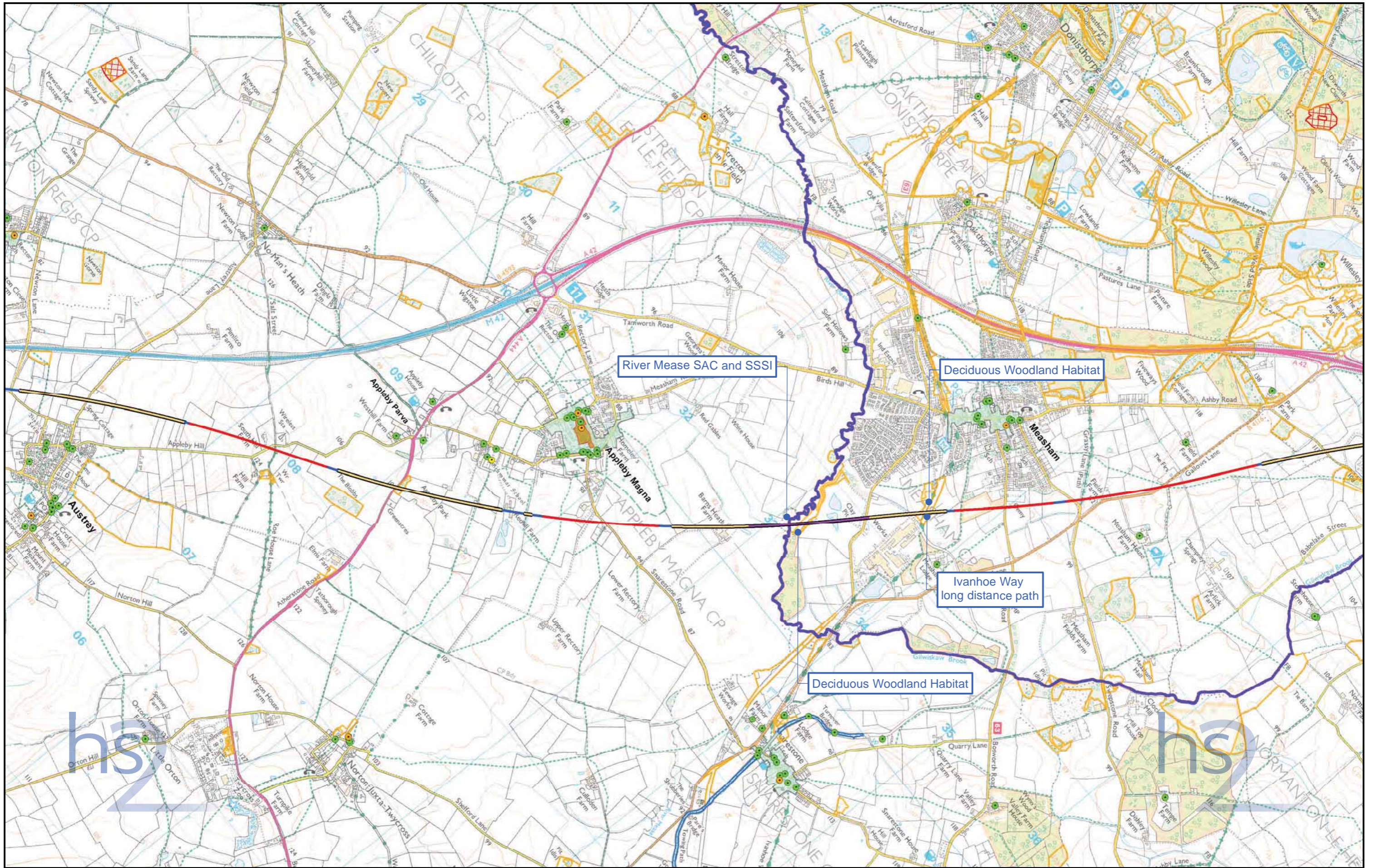
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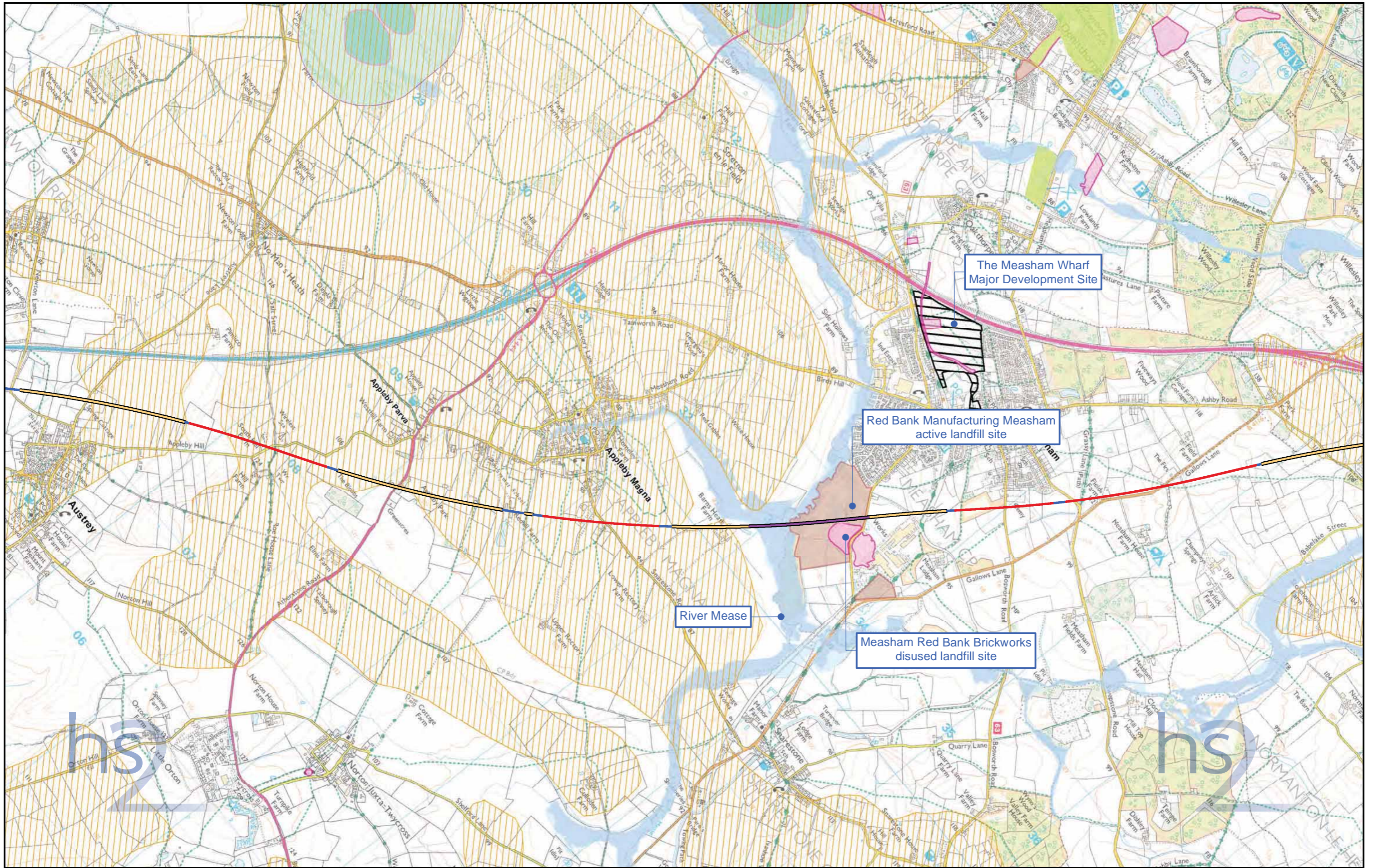
<p>Route Alignment</p> <ul style="list-style-type: none"> At Grade Cut and Cover Tunnel Cutting Embankment Tunnel Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> Listed Building Grade I Listed Building Grade II* Listed Building Grade II Scheduled Monument Ramsar Site Special Area of Conservation (SAC) 	<ul style="list-style-type: none"> Special Protection Area (SPA) Site of Special Scientific Interest (SSSI) Registered Park and Garden National Nature Reserve (NNR) Registered Battlefield 	<ul style="list-style-type: none"> Habitat of Principal Importance Ancient Woodland Local Nature Reserve National Trust Ownership National Trail Conservation Area 	<p>Figure Number: EL-KE-02-01</p> <p>Figure Name: Preferred Route to Leeds Key Environmental Features Set 1 of 2</p> <p>Route Name: HSL01 / HSL06</p>	<div style="text-align: center;"> <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> </div> <p>Temple RSK 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>Scale at A3: 1:25,000</p> <p style="text-align: right;">Date: 01/11/16</p>
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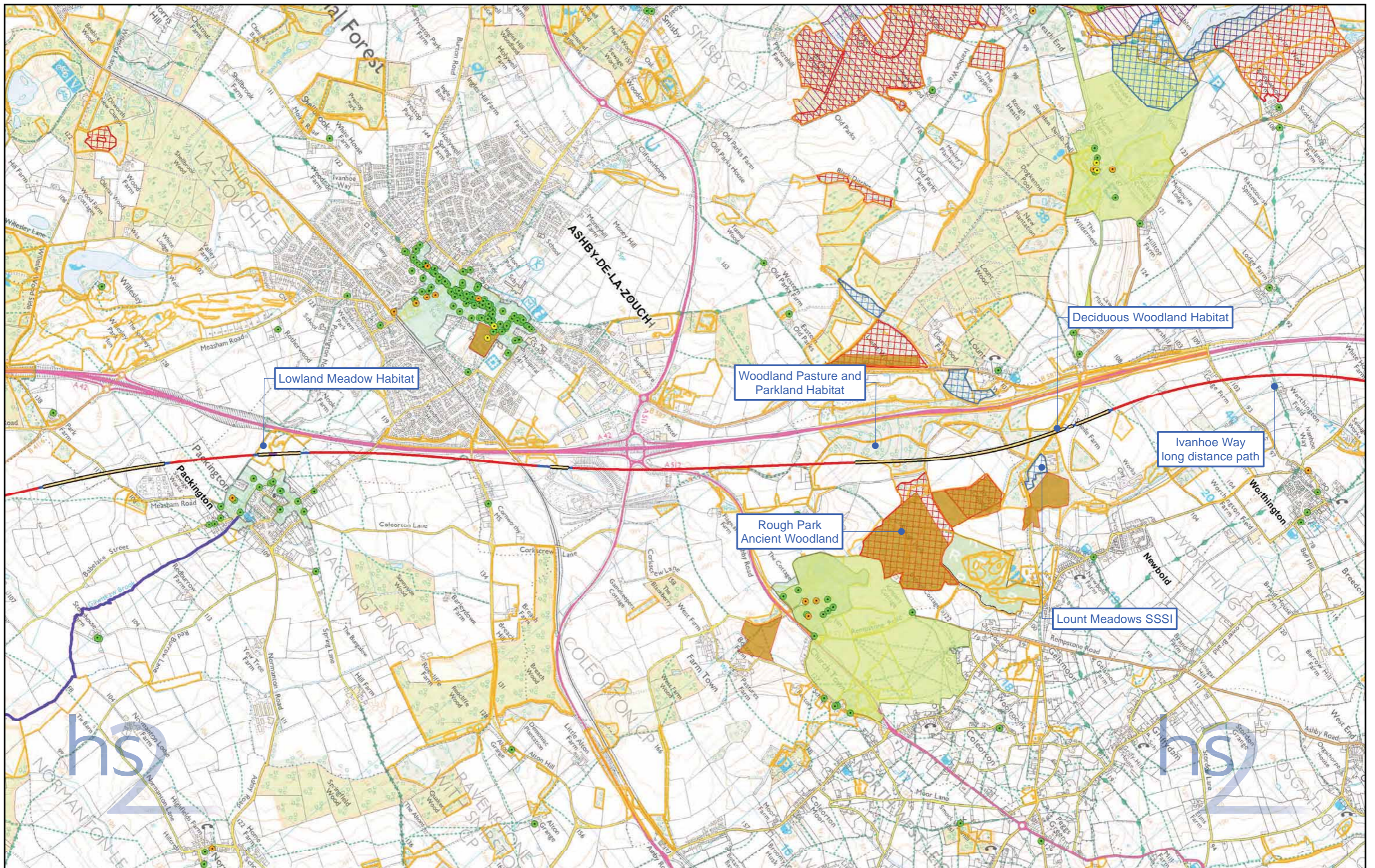
<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> ■ Country Park ▨ Agricultural Land Grade 1 ▨ Agricultural Land Grade 2 ■ Landfill Site (Disused) ■ Landfill Site (Active) 	<ul style="list-style-type: none"> ▨ Major Development Site ▨ Flood Zone 2 ▨ Flood Zone 3 ▨ Groundwater Source Protection Zone 1 ▨ Groundwater Source Protection Zone 2 	<p>Figure Number: EL-KE-02-02</p> <p>Figure Name: Preferred Route to Leeds Key Environmental Features Set 2 of 2</p> <p>Route Name: HSL01 / HSL06</p>	<p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-110-000024</p>	<p>Temple RSK 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>Scale at A3: 1:25,000</p> <p>0 0.5 1 Kilometers</p> <p>Date: 01/11/16</p>
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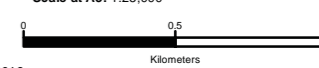


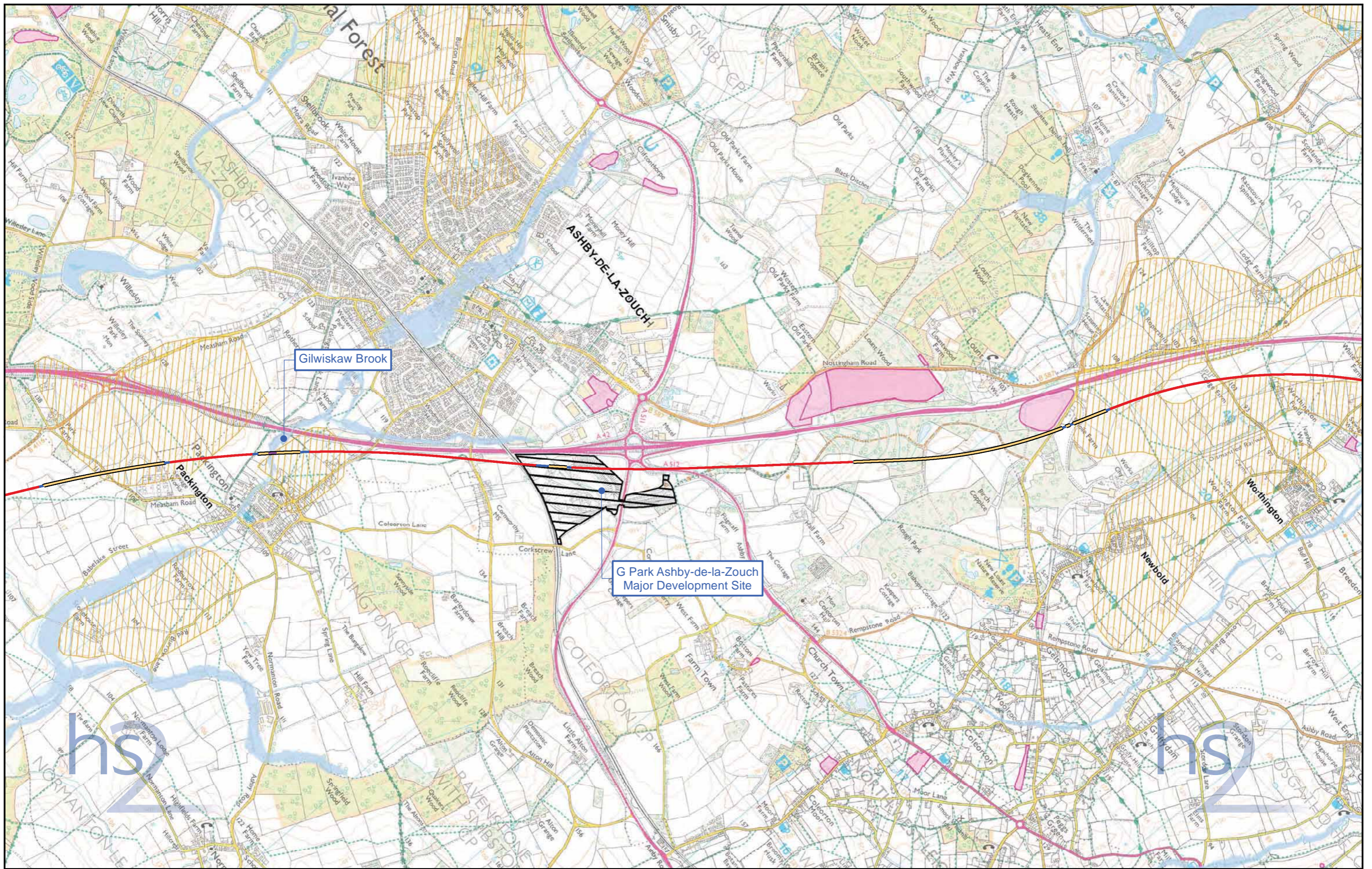
<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> ● Listed Building Grade I ● Listed Building Grade II* ● Listed Building Grade II ■ Scheduled Monument ■ Ramsar Site ■ Special Area of Conservation (SAC) 	<p>■ Special Protection Area (SPA)</p> <p>■ Site of Special Scientific Interest (SSSI)</p> <p>■ Registered Park and Garden</p> <p>■ National Nature Reserve (NNR)</p> <p>■ Registered Battlefield</p>	<p>■ Habitat of Principal Importance</p> <p>■ Ancient Woodland</p> <p>■ Local Nature Reserve</p> <p>■ National Trust Ownership</p> <p>■ National Trail</p> <p>■ Conservation Area</p>	<p>Figure Number: EL-KE-03-01</p> <p>Figure Name: Preferred Route to Leeds Key Environmental Features Set 1 of 2</p> <p>Route Name: HSL06</p>	<p>Temple RSK logo</p> <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Temple RSK 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>Scale at A3: 1:25,000</p> <p>0 0.5 1 Kilometers</p> <p>North arrow</p> <p>Drawing No: C331-TRK-EV-MAP-110-000025 Date: 01/11/16</p>
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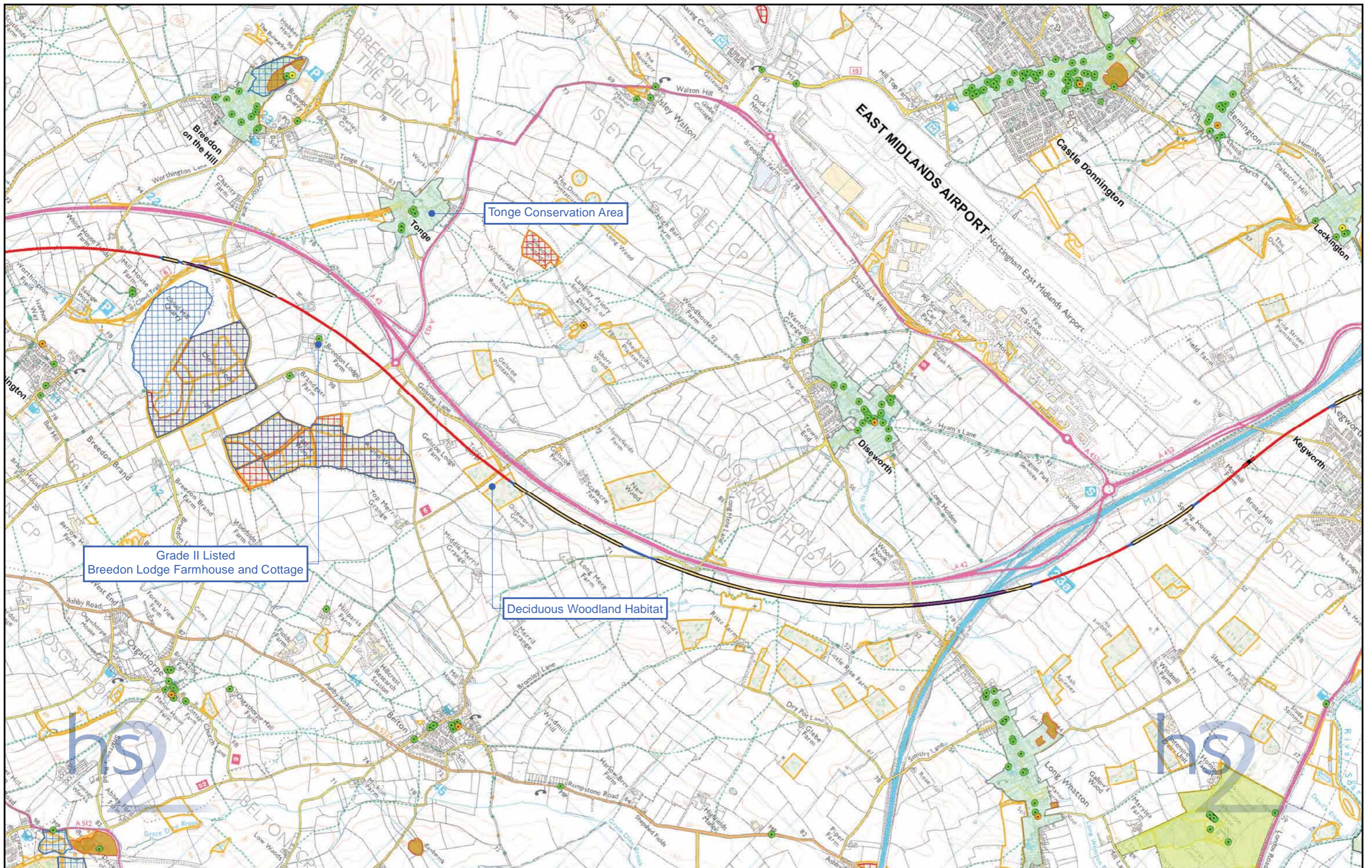
<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment Tunnel — Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> Country Park Agricultural Land Grade 1 Agricultural Land Grade 2 Landfill Site (Disused) Landfill Site (Active) 	<ul style="list-style-type: none"> Major Development Site Flood Zone 2 Flood Zone 3 Groundwater Source Protection Zone 1 Groundwater Source Protection Zone 2 	<p>Figure Number: EL-KE-03-02</p> <p>Figure Name: Preferred Route to Leeds Key Environmental Features Set 2 of 2</p> <p>Route Name: HSL06</p>	<p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p>	<p>Temple RSK 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>Scale at A3: 1:25,000</p> <p>0 0.5 1 Kilometers</p> <p>TEMPLE RSK</p> <p>Drawing No: C331-TRK-EV-MAP-110-000026 Date: 01/11/16</p>
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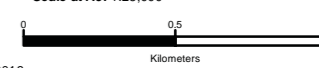



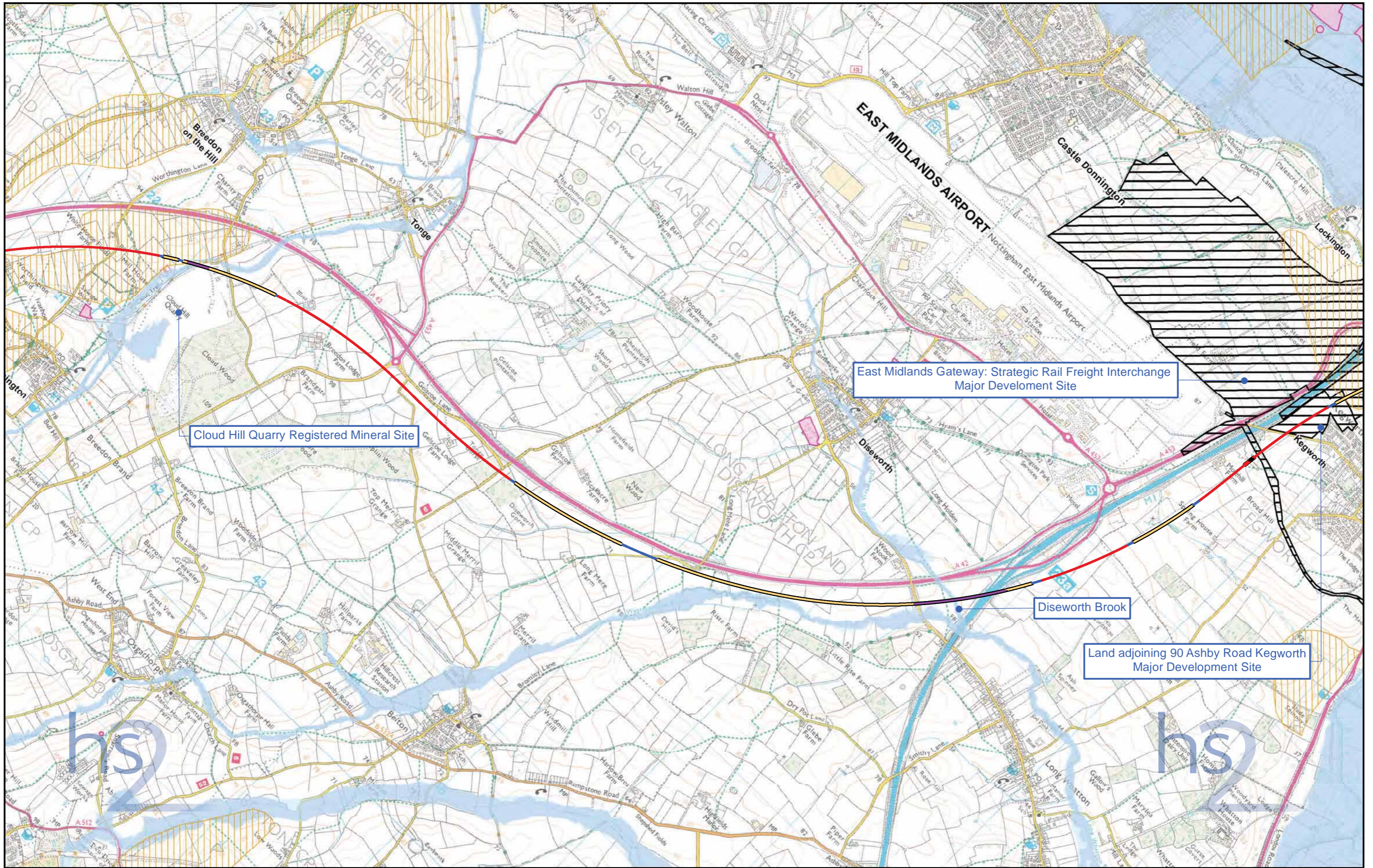
<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> ● Listed Building Grade I ● Listed Building Grade II* ● Listed Building Grade II ■ Scheduled Monument ■ Ramsar Site ■ Special Area of Conservation (SAC) 	<ul style="list-style-type: none"> Special Protection Area (SPA) Site of Special Scientific Interest (SSSI) Registered Park and Garden National Nature Reserve (NNR) Registered Battlefield 	<ul style="list-style-type: none"> Habitat of Principal Importance Ancient Woodland Local Nature Reserve National Trust Ownership National Trail Conservation Area 	<p>Figure Number: EL-KE-04-01</p> <p>Figure Name: Preferred Route to Leeds Key Environmental Features Set 1 of 2</p> <p>Route Name: HSL06</p>	<div style="text-align: center;">  <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> </div> <p>Temple RSK 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>Scale at A3: 1:25,000</p> <div style="text-align: center;">  <p>Kilometers</p> </div> <p>Drawing No: C331-TRK-EV-MAP-110-000027 Date: 01/11/16</p>
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<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> — Country Park — Agricultural Land Grade 1 — Agricultural Land Grade 2 — Landfill Site (Disused) — Landfill Site (Active) 	<ul style="list-style-type: none"> — Major Development Site — Flood Zone 2 — Flood Zone 3 — Groundwater Source Protection Zone 1 — Groundwater Source Protection Zone 2 	<p>Figure Number: EL-KE-04-02</p> <p>Figure Name: Preferred Route to Leeds Key Environmental Features Set 2 of 2</p> <p>Route Name: HSL06</p>	<p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-110-000028</p>	<p>Temple RSK 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>Scale at A3: 1:25,000</p> <p>0 0.5 1 Kilometers</p> <p>Date: 01/11/16</p>
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<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> ● Listed Building Grade I ● Listed Building Grade II* ● Listed Building Grade II ■ Scheduled Monument ■ Ramsar Site ■ Special Area of Conservation (SAC) 	<ul style="list-style-type: none"> Special Protection Area (SPA) Site of Special Scientific Interest (SSSI) Registered Park and Garden National Nature Reserve (NNR) Registered Battlefield 	<ul style="list-style-type: none"> Habitat of Principal Importance Ancient Woodland Local Nature Reserve National Trust Ownership National Trail Conservation Area 	<p>Figure Number: EL-KE-05-01</p> <p>Figure Name: Preferred Route to Leeds Key Environmental Features Set 1 of 2</p> <p>Route Name: HSL06 / HSL09A / HSL09B</p>	<div style="text-align: right;">  <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> </div> <p>Temple RSK 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>Scale at A3: 1:25,000</p>  <div style="text-align: right;">  <p>Date: 01/11/16</p> </div>
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Route Alignment	Sustainability Features		
At Grade	Country Park	Major Development Site	Flood Zone 2
Cut and Cover Tunnel	Agricultural Land Grade 1	Flood Zone 3	Groundwater Source Protection Zone 1
Cutting	Agricultural Land Grade 2	Landfill Site (Disused)	Groundwater Source Protection Zone 2
Embankment	Landfill Site (Active)		
Tunnel			
Viaduct			

Figure Number: EL-KE-05-02

Figure Name: Preferred Route to Leeds
Key Environmental Features
Set 2 of 2

Route Name: HSL06 / HSL09A / HSL09B

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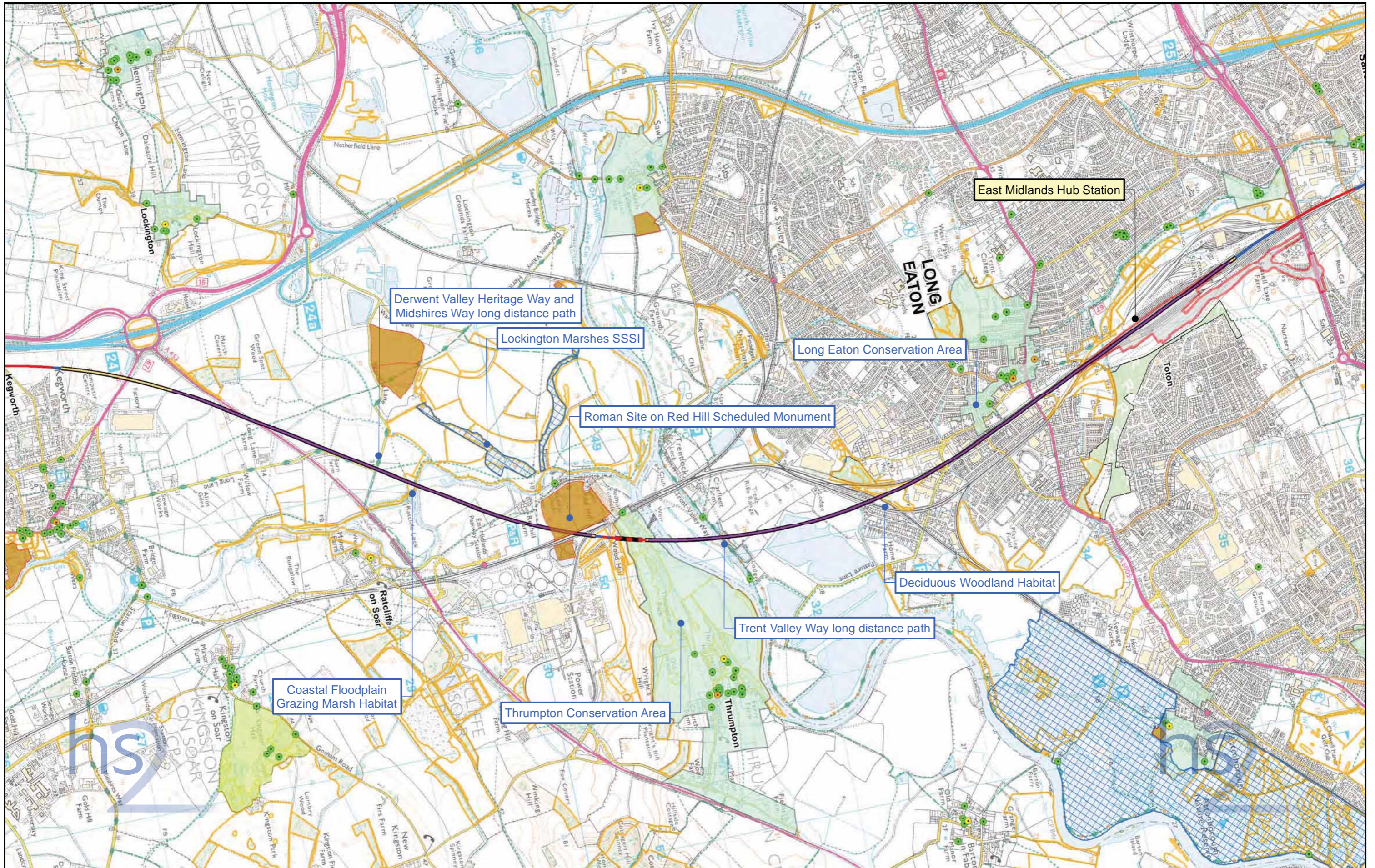
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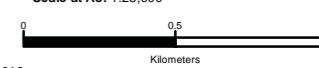

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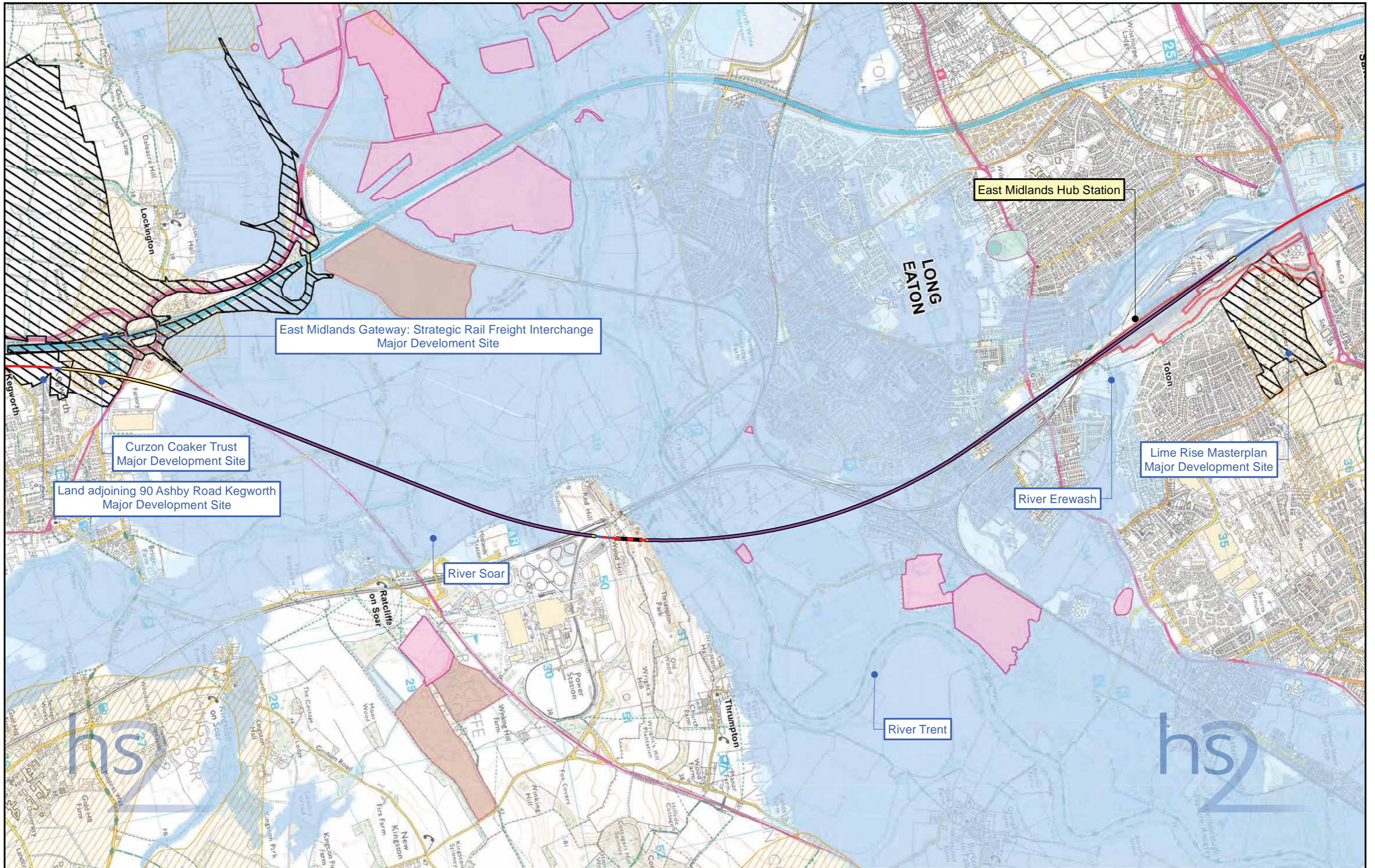
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Drawing No: C331-TRK-EV-MAP-110-000030 Date: 01/11/16



<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment Tunnel — Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> ● Listed Building Grade I ● Listed Building Grade II* ● Listed Building Grade II ■ Scheduled Monument ■ Ramsar Site Special Area of Conservation (SAC) 	<ul style="list-style-type: none"> Special Protection Area (SPA) Site of Special Scientific Interest (SSSI) Registered Park and Garden National Nature Reserve (NNR) Registered Battlefield 	<ul style="list-style-type: none"> Habitat of Principal Importance Ancient Woodland Local Nature Reserve National Trust Ownership National Trail Conservation Area 	<p>Figure Number: EL-KE-06-01</p> <p>Figure Name: Preferred Route to Leeds Key Environmental Features Set 1 of 2</p> <p>Route Name: HSL09B / HSL12</p>	<div style="text-align: center;">  <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> </div> <p>Temple RSK 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>Scale at A3: 1:25,000</p> <div style="text-align: center;">  <p>Kilometers</p> </div> <div style="text-align: right;">  </div> <p>Drawing No: C331-TRK-EV-MAP-110-000031 Date: 01/11/16</p>
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Route Alignment		Sustainability Features	
	At Grade		Country Park
	Cut and Cover Tunnel		Agricultural Land Grade 1
	Cutting		Agricultural Land Grade 2
	Embankment		Landfill Site (Disused)
	Tunnel		Landfill Site (Active)
	Viaduct		Major Development Site
			Flood Zone 2
			Flood Zone 3
			Groundwater Source Protection Zone 1
			Groundwater Source Protection Zone 2

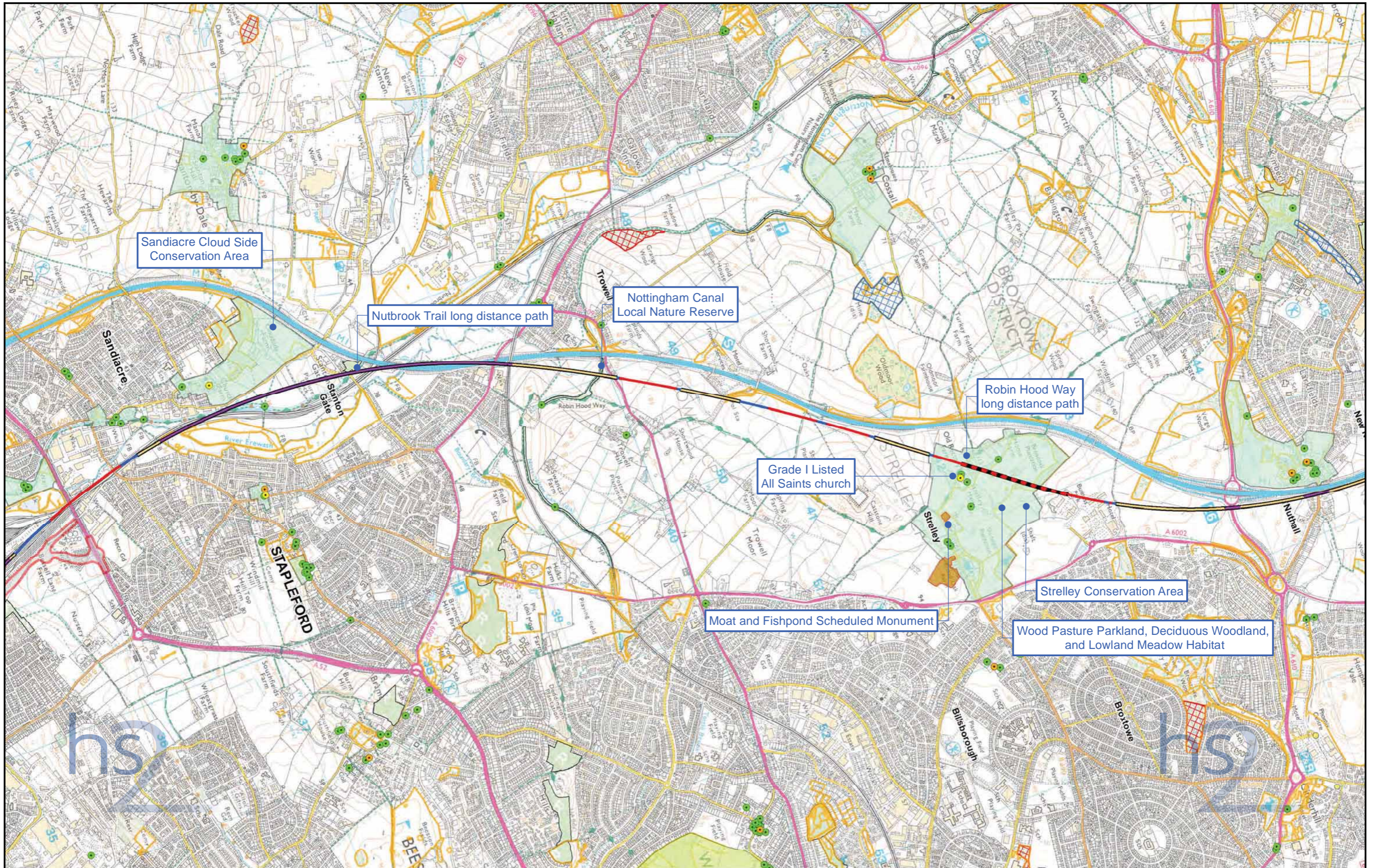
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Route Name:	HSL09B / HSL12


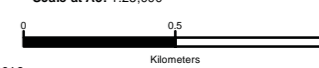
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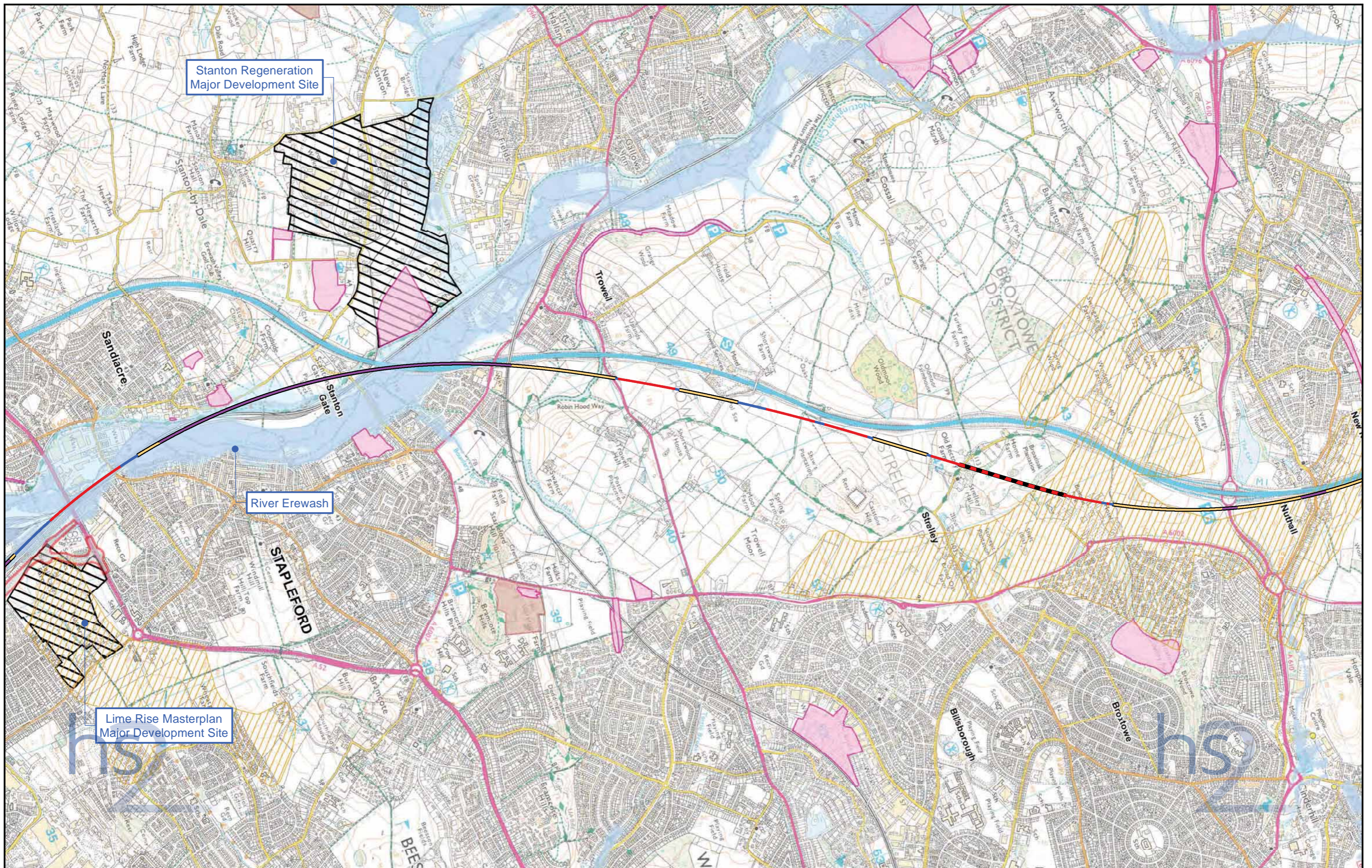
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Drawing No: C331-TRK-EV-MAP-110-000032 Date: 01/11/16




<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment Tunnel — Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> ● Listed Building Grade I ● Listed Building Grade II* ● Listed Building Grade II ■ Scheduled Monument ■ Ramsar Site Special Area of Conservation (SAC) 	<ul style="list-style-type: none"> Special Protection Area (SPA) Site of Special Scientific Interest (SSSI) Registered Park and Garden National Nature Reserve (NNR) Registered Battlefield 	<ul style="list-style-type: none"> Habitat of Principal Importance Ancient Woodland Local Nature Reserve National Trust Ownership National Trail Conservation Area 	<p>Figure Number: EL-KE-07-01</p> <p>Figure Name: Preferred Route to Leeds Key Environmental Features Set 1 of 2</p> <p>Route Name: HSL12 / HSL13A</p>	<div style="text-align: center;">  <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> </div> <p>Temple RSK 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>Scale at A3: 1:25,000</p>  <p style="text-align: right;">Date: 01/11/16</p>
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Route Alignment	Sustainability Features	Major Development Site
At Grade	Country Park	Flood Zone 2
Cut and Cover Tunnel	Agricultural Land Grade 1	Flood Zone 3
Cutting	Agricultural Land Grade 2	Groundwater Source Protection Zone 1
Embankment	Landfill Site (Disused)	Groundwater Source Protection Zone 2
Tunnel	Landfill Site (Active)	
Viaduct		

Figure Number:	EL-KE-07-02
Figure Name:	Preferred Route to Leeds Key Environmental Features Set 2 of 2
Route Name:	HSL12 / HSL13A

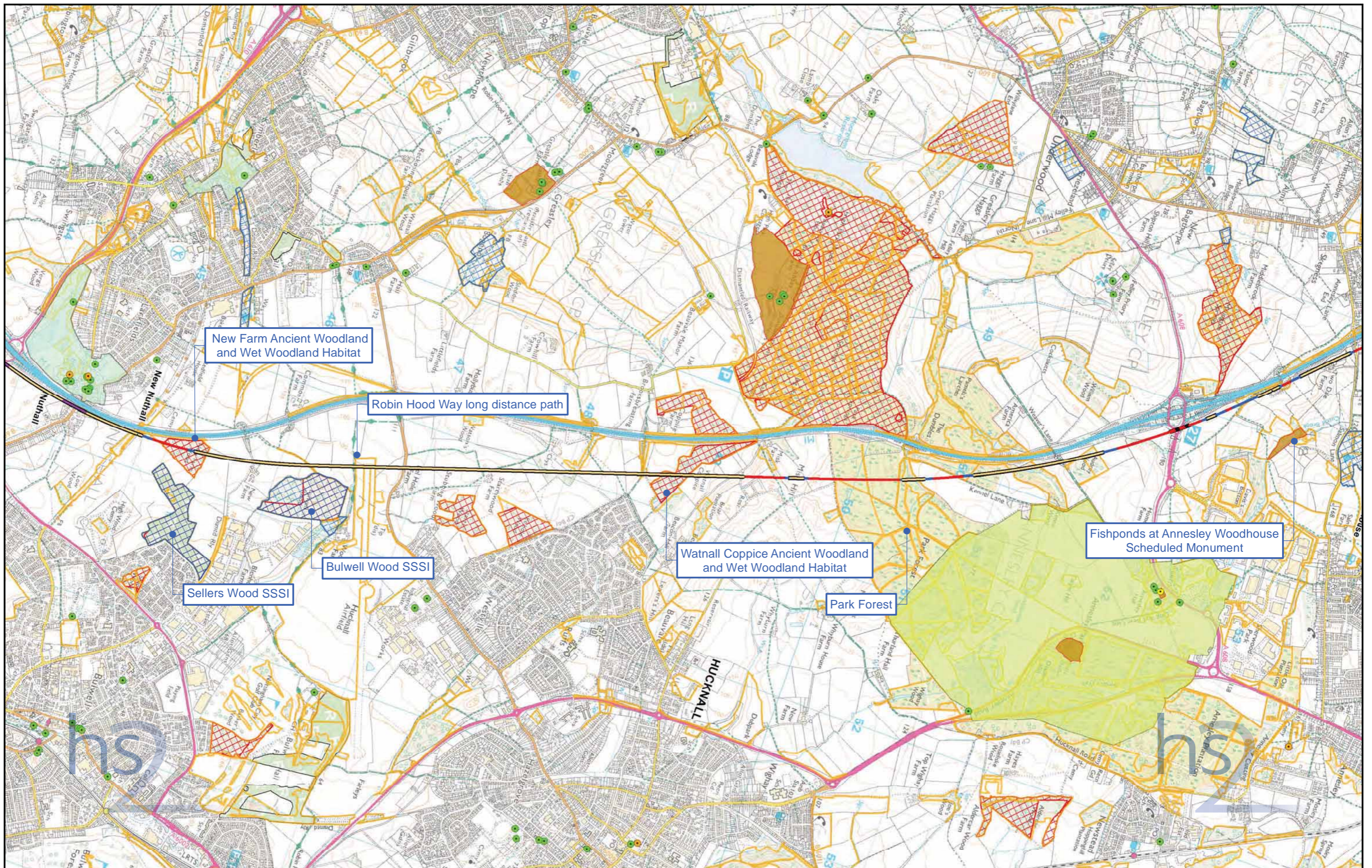

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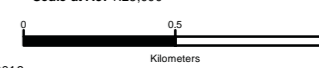

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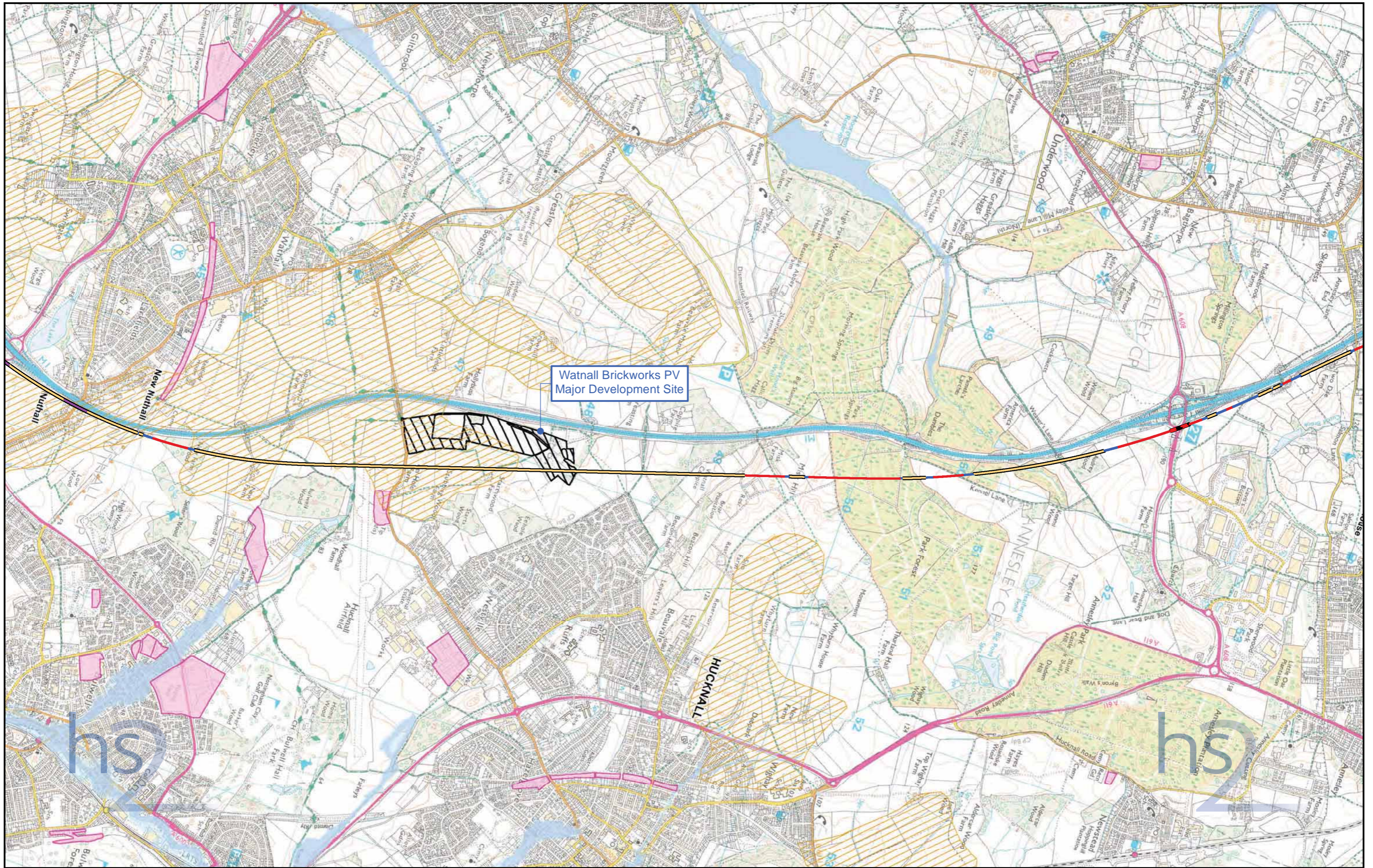

 Kilometers

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Drawing No: C331-TRK-EV-MAP-120-000033 **Date:** 01/11/16

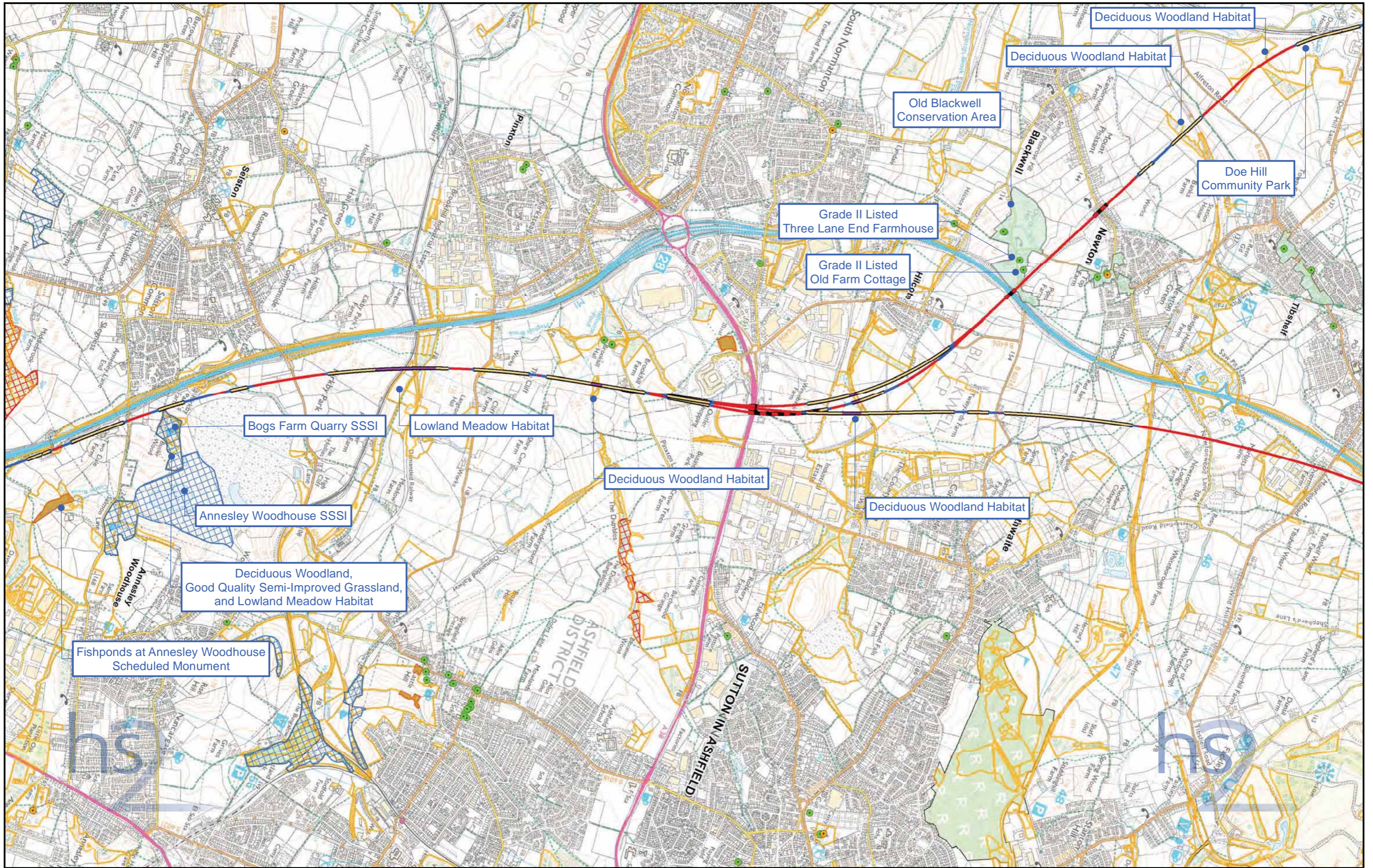


<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment Tunnel — Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> ● Listed Building Grade I ● Listed Building Grade II* ● Listed Building Grade II ■ Scheduled Monument ■ Ramsar Site Special Area of Conservation (SAC) 	<ul style="list-style-type: none"> Special Protection Area (SPA) Site of Special Scientific Interest (SSSI) Registered Park and Garden National Nature Reserve (NNR) Registered Battlefield 	<ul style="list-style-type: none"> Habitat of Principal Importance Ancient Woodland Local Nature Reserve National Trust Ownership National Trail Conservation Area 	<p>Figure Number: EL-KE-08-01</p> <p>Figure Name: Preferred Route to Leeds Key Environmental Features Set 1 of 2</p> <p>Route Name: HSL13A</p>	<div style="text-align: right;">  <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> </div> <p>Temple RSK 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>Scale at A3: 1:25,000</p>  <div style="text-align: right;">  <p>Date: 01/11/16</p> </div>
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Watnall Brickworks PV
Major Development Site

<p>Route Alignment</p> <ul style="list-style-type: none"> At Grade Cut and Cover Tunnel Cutting Embankment Tunnel Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> Country Park Agricultural Land Grade 1 Agricultural Land Grade 2 Landfill Site (Disused) Landfill Site (Active) 	<ul style="list-style-type: none"> Major Development Site Flood Zone 2 Flood Zone 3 Groundwater Source Protection Zone 1 Groundwater Source Protection Zone 2 	<p>Figure Number: EL-KE-08-02</p> <p>Figure Name: Preferred Route to Leeds Key Environmental Features Set 2 of 2</p> <p>Route Name: HSL13A</p>	<p>Figure Number: EL-KE-08-02</p> <p>Figure Name: Preferred Route to Leeds Key Environmental Features Set 2 of 2</p> <p>Route Name: HSL13A</p> <p>Scale at A3: 1:25,000</p> <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-120-000035</p> <p>Date: 01/11/16</p>
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Route Alignment

- At Grade
- Cut and Cover Tunnel
- Cutting
- Embankment
- Tunnel
- Viaduct

Sustainability Features

- Listed Building Grade I
- Listed Building Grade II*
- Listed Building Grade II
- Scheduled Monument
- Ramsar Site
- Special Area of Conservation (SAC)

- Special Protection Area (SPA)
- Site of Special Scientific Interest (SSSI)
- Registered Park and Garden
- National Nature Reserve (NNR)
- Registered Battlefield

- Habitat of Principal Importance
- Ancient Woodland
- Local Nature Reserve
- National Trust Ownership
- National Trail
- Conservation Area

Figure Number: EL-KE-09-01

Figure Name: Preferred Route to Leeds
Key Environmental Features
Set 1 of 2

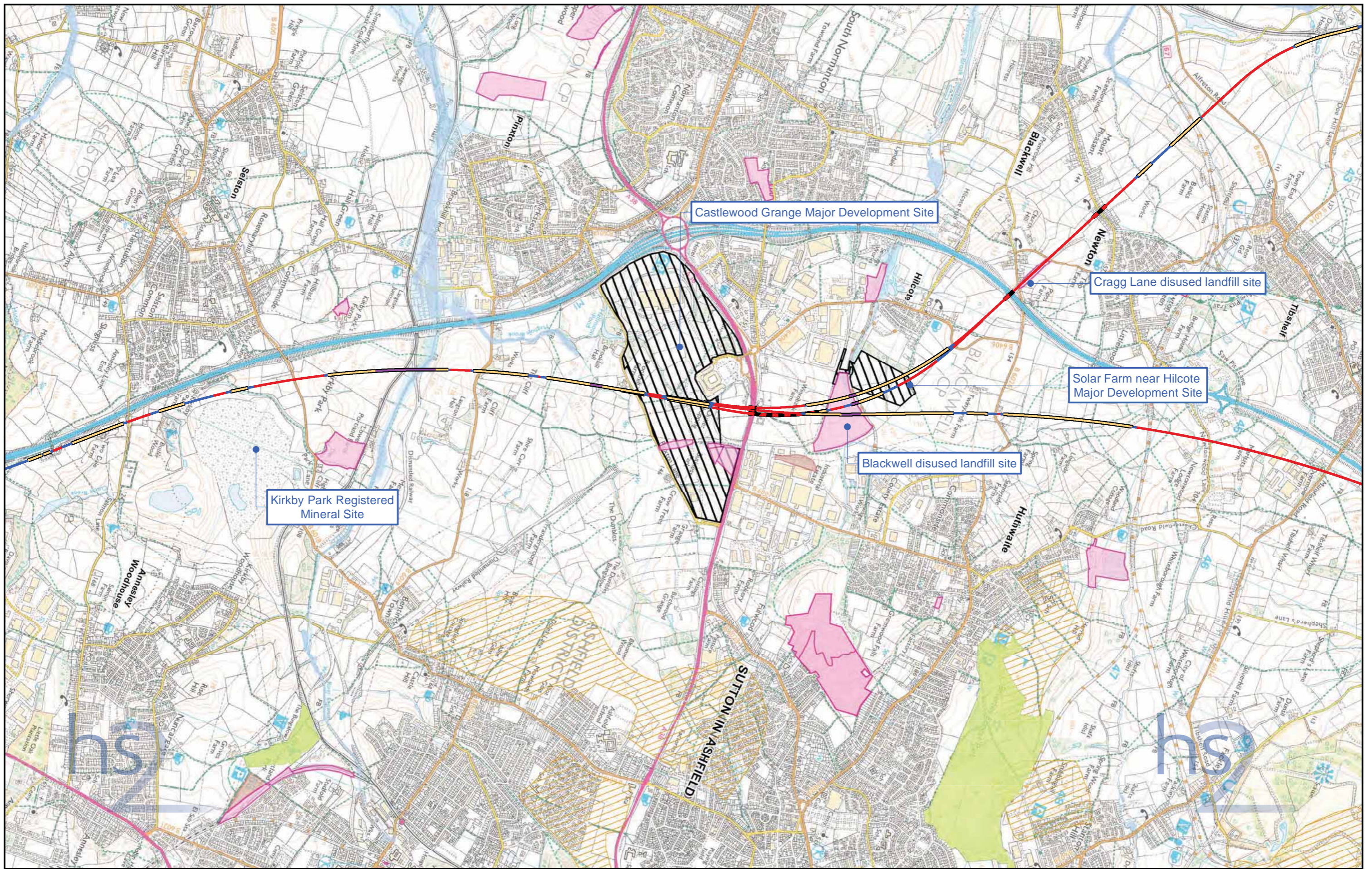
Route Name: HSL13A / HSL13B / HSL15A

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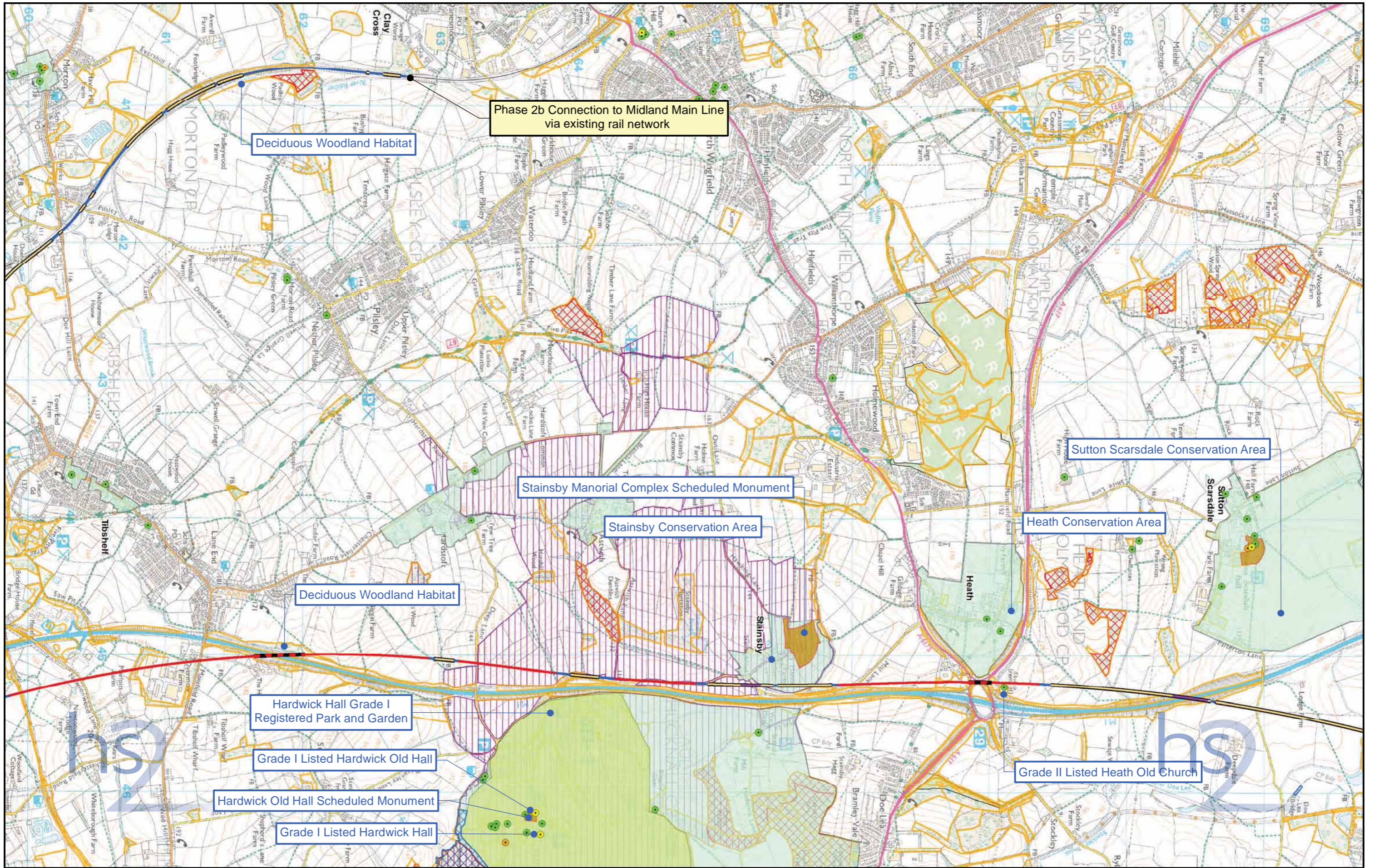
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Scale at A3: 1:25,000

Drawing No: C331-TRK-EV-MAP-120-000036 **Date:** 01/11/16



<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment Tunnel — Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> Country Park Agricultural Land Grade 1 Agricultural Land Grade 2 Landfill Site (Disused) Landfill Site (Active) 	<ul style="list-style-type: none"> Major Development Site Flood Zone 2 Flood Zone 3 Groundwater Source Protection Zone 1 Groundwater Source Protection Zone 2 	<p>Figure Number: EL-KE-09-02</p> <p>Figure Name: Preferred Route to Leeds Key Environmental Features Set 2 of 2</p> <p>Route Name: HSL13A / HSL13B / HSL15A</p>	<p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-120-000037</p>	<p>Temple RSK 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>Scale at A3: 1:25,000</p> <p>0 0.5 Kilometers</p> <p>TEMPLE RSK</p> <p>Date: 01/11/16</p>
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Route Alignment	Sustainability Features
At Grade	Listed Building Grade I
Cut and Cover Tunnel	Listed Building Grade II*
Cutting	Listed Building Grade II
Embankment	Scheduled Monument
Tunnel	Ramsar Site
Viaduct	Special Area of Conservation (SAC)
	Special Protection Area (SPA)
	Site of Special Scientific Interest (SSSI)
	Registered Park and Garden
	National Nature Reserve (NNR)
	Registered Battlefield
	Habitat of Principal Importance
	Ancient Woodland
	Local Nature Reserve
	National Trust Ownership
	National Trail
	Conservation Area

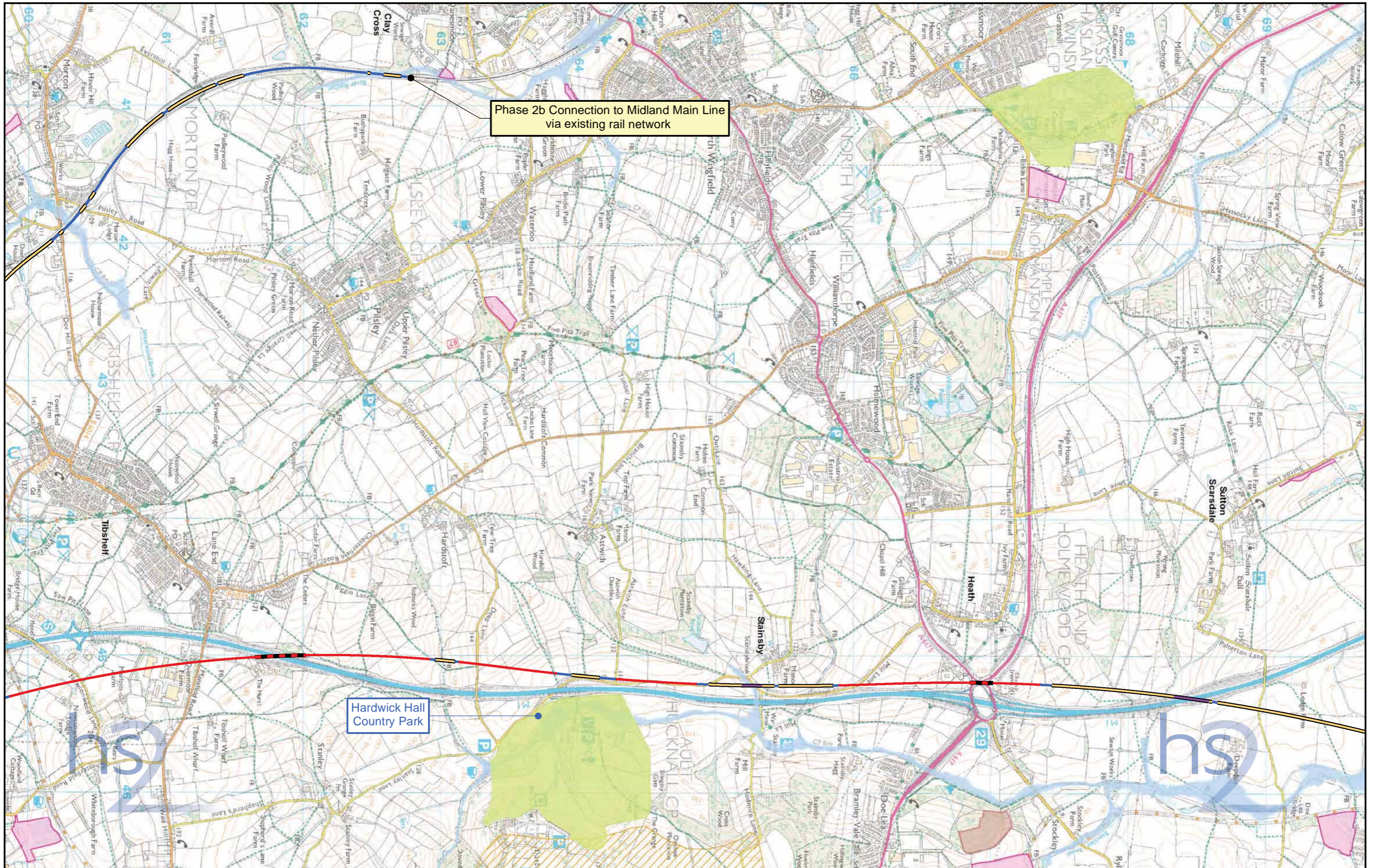
Figure Number:	EL-KE-10-01
Figure Name:	Preferred Route to Leeds Key Environmental Features Set 1 of 2
Route Name:	HSL13B / HSL15A

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Phase 2b Connection to Midland Main Line via existing rail network

Hardwick Hall Country Park


Route Alignment

- At Grade
- Cut and Cover Tunnel
- Cutting
- Embankment
- Tunnel
- Viaduct

Sustainability Features

- Country Park
- Agricultural Land Grade 1
- Agricultural Land Grade 2
- Landfill Site (Disused)
- Landfill Site (Active)
- Flood Zone 2
- Flood Zone 3
- Groundwater Source Protection Zone 1
- Groundwater Source Protection Zone 2
- Major Development Site

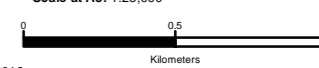
Figure Number:	EL-KE-10-02
Figure Name:	Preferred Route to Leeds Key Environmental Features Set 2 of 2
Route Name:	HSL13B / HSL15A




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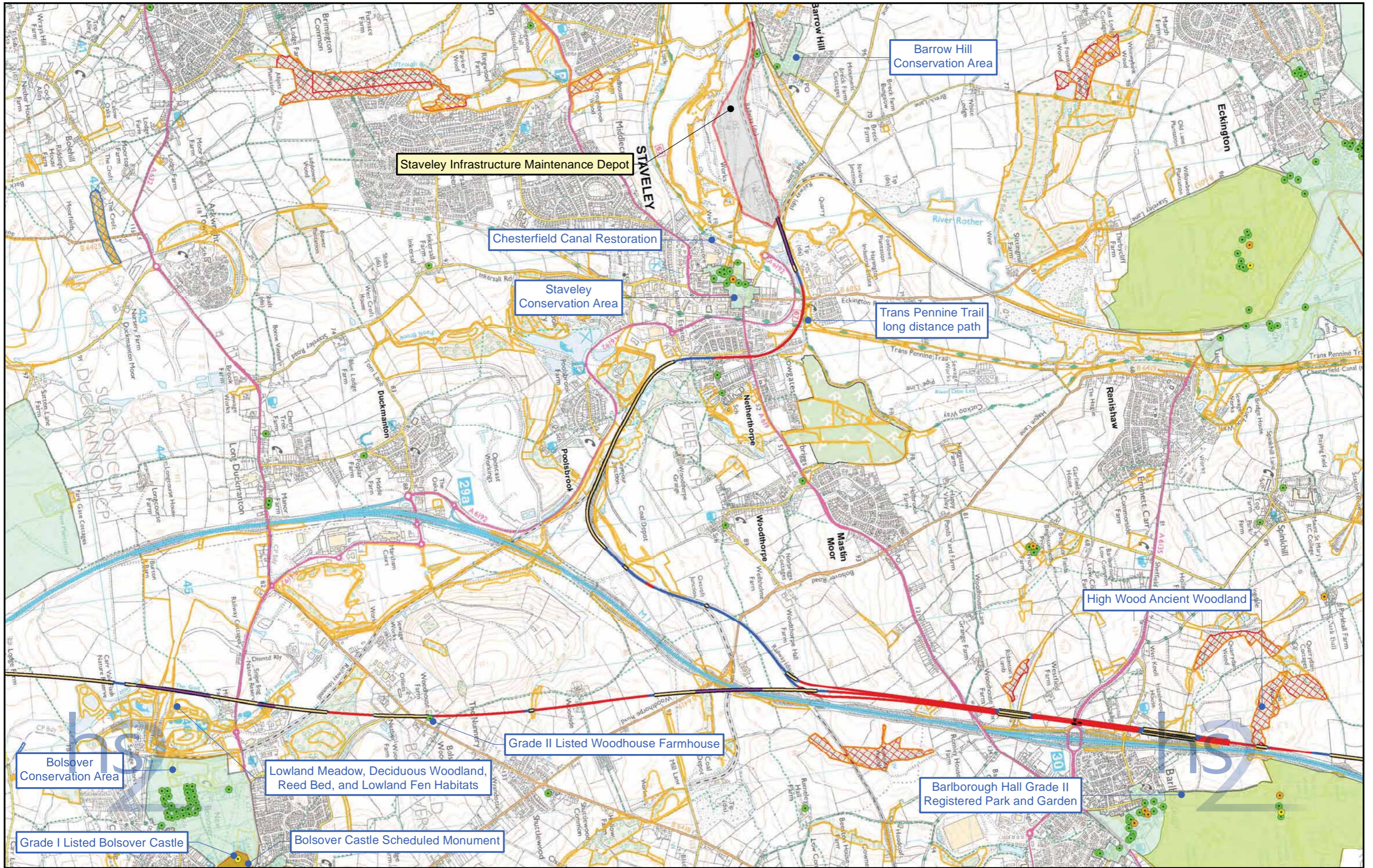
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Scale at A3: 1:25,000





Date: 01/11/16



Route Alignment

	At Grade
	Cut and Cover Tunnel
	Cutting
	Embankment
	Tunnel
	Viaduct

Sustainability Features

	Listed Building Grade I
	Listed Building Grade II*
	Listed Building Grade II
	Scheduled Monument
	Ramsar Site
	Special Area of Conservation (SAC)

	Special Protection Area (SPA)
	Site of Special Scientific Interest (SSSI)
	Registered Park and Garden
	National Nature Reserve (NNR)
	Registered Battlefield

	Habitat of Principal Importance
	Ancient Woodland
	Local Nature Reserve
	National Trust Ownership
	National Trail
	Conservation Area

Figure Number:	EL-KE-11-01
Figure Name:	Preferred Route to Leeds Key Environmental Features Set 1 of 2
Route Name:	HSL13B

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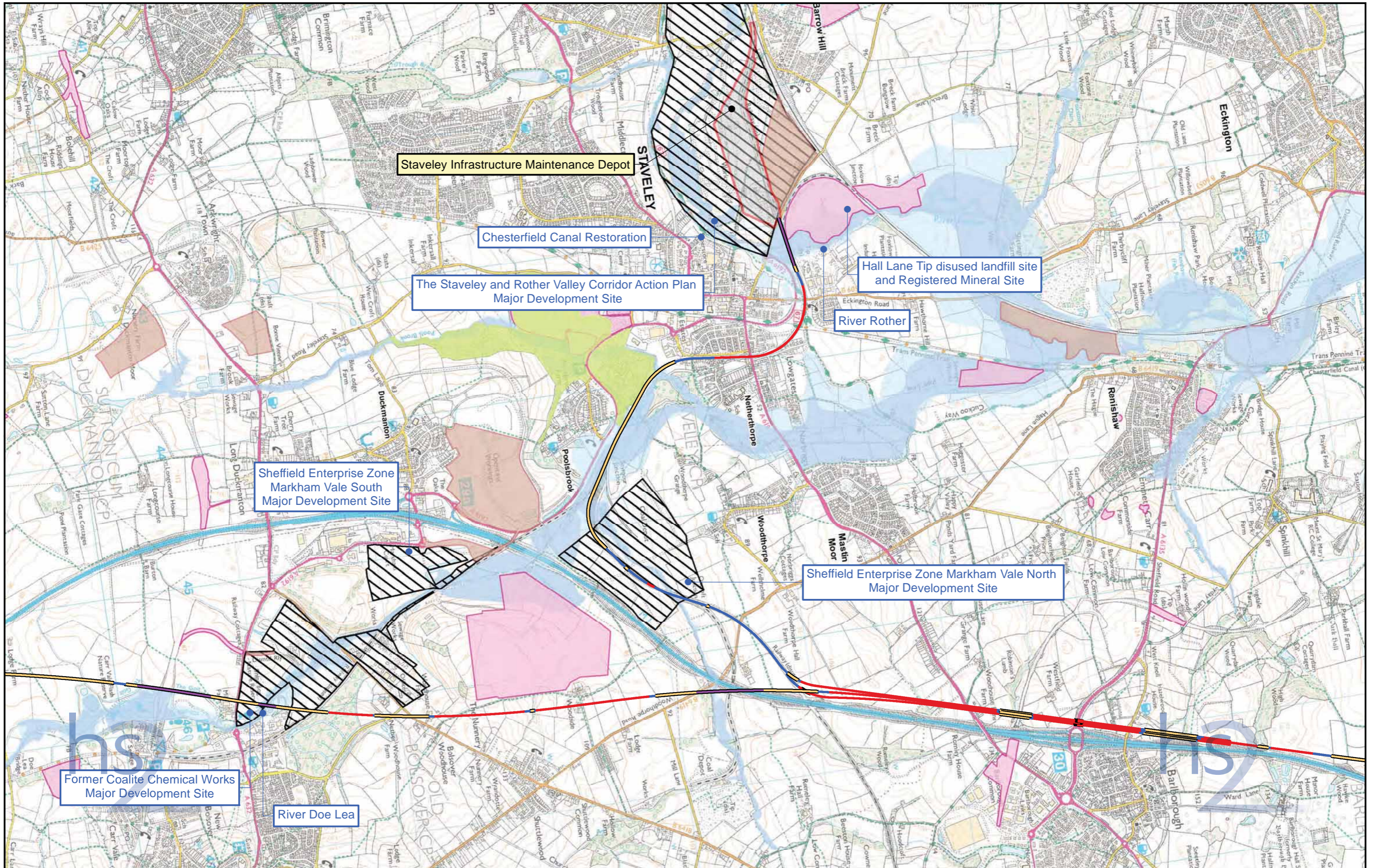
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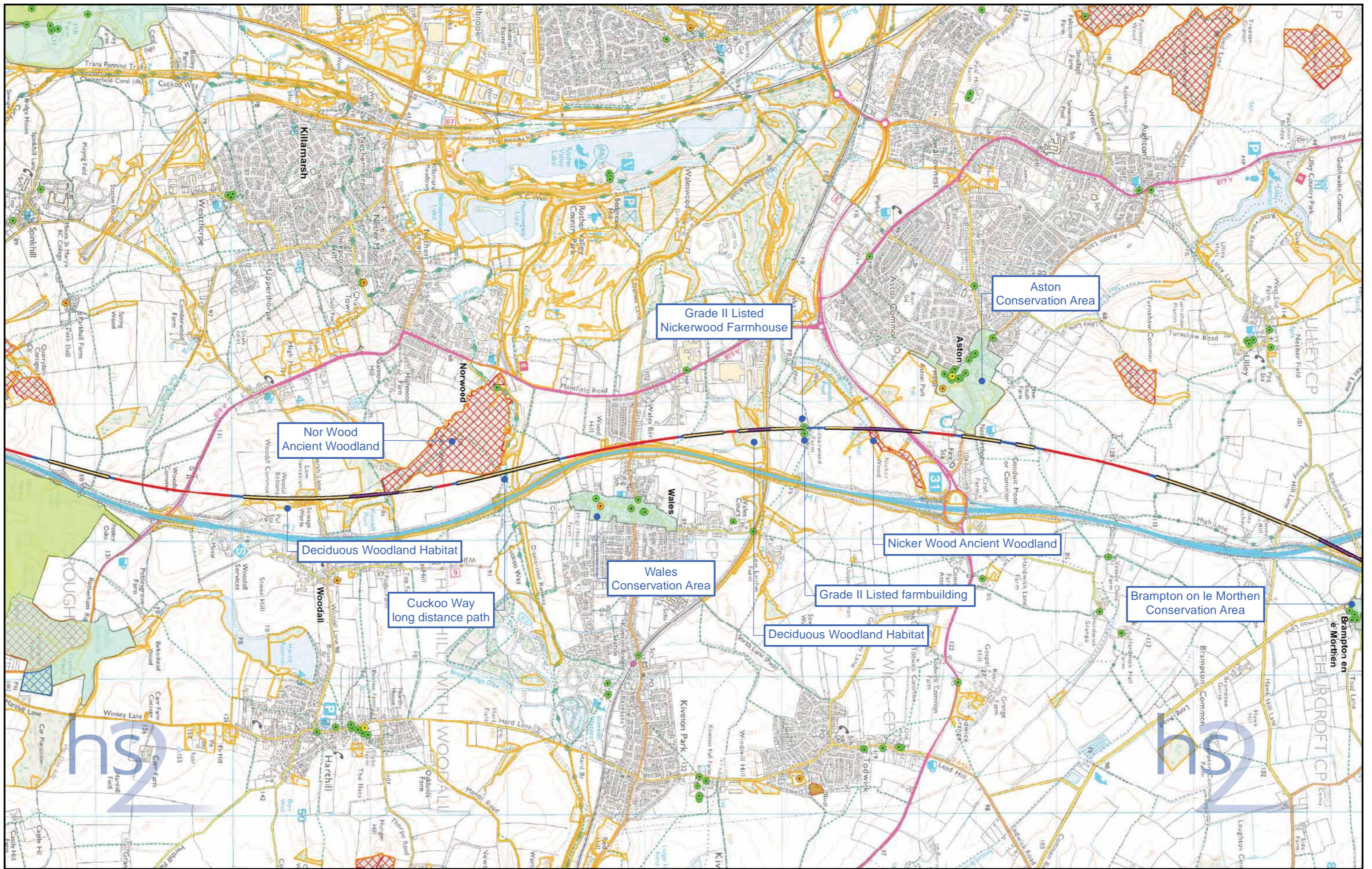
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Kilometers

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Drawing No: C331-TRK-EV-MAP-120-000040 **Date:** 01/11/16



<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment Tunnel — Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> Country Park Agricultural Land Grade 1 Agricultural Land Grade 2 Landfill Site (Disused) Landfill Site (Active) 	<ul style="list-style-type: none"> Major Development Site Flood Zone 2 Flood Zone 3 Groundwater Source Protection Zone 1 Groundwater Source Protection Zone 2 	<p>Figure Number: EL-KE-11-02</p> <p>Figure Name: Preferred Route to Leeds Key Environmental Features Set 2 of 2</p> <p>Route Name: HSL13B</p>	<p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p>	<p>Figure Number: EL-KE-11-02</p> <p>Figure Name: Preferred Route to Leeds Key Environmental Features Set 2 of 2</p> <p>Route Name: HSL13B</p> <p>Scale at A3: 1:25,000</p> <p>0 0.5 1 Kilometers</p> <p>© Temple RSK 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>© Temple RSK Scale at A3: 1:25,000</p> <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-120-000041</p> <p>Date: 01/11/16</p>
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Route Alignment

- At Grade
- Cut and Cover Tunnel
- Cutting
- Embankment
- Tunnel
- Viaduct

Sustainability Features

- Listed Building Grade I
- Listed Building Grade II*
- Listed Building Grade II
- Scheduled Monument
- Ramsar Site
- Special Area of Conservation (SAC)


- Special Protection Area (SPA)
- Site of Special Scientific Interest (SSSI)
- Registered Park and Garden
- National Nature Reserve (NNR)
- Registered Battlefield

- Habitat of Principal Importance
- Ancient Woodland
- Local Nature Reserve
- National Trust Ownership
- National Trail
- Conservation Area


Figure Number: EL-KE-12-01

Figure Name: Preferred Route to Leeds
Key Environmental Features
Set 1 of 2

Route Name: HSL13B / HSL14

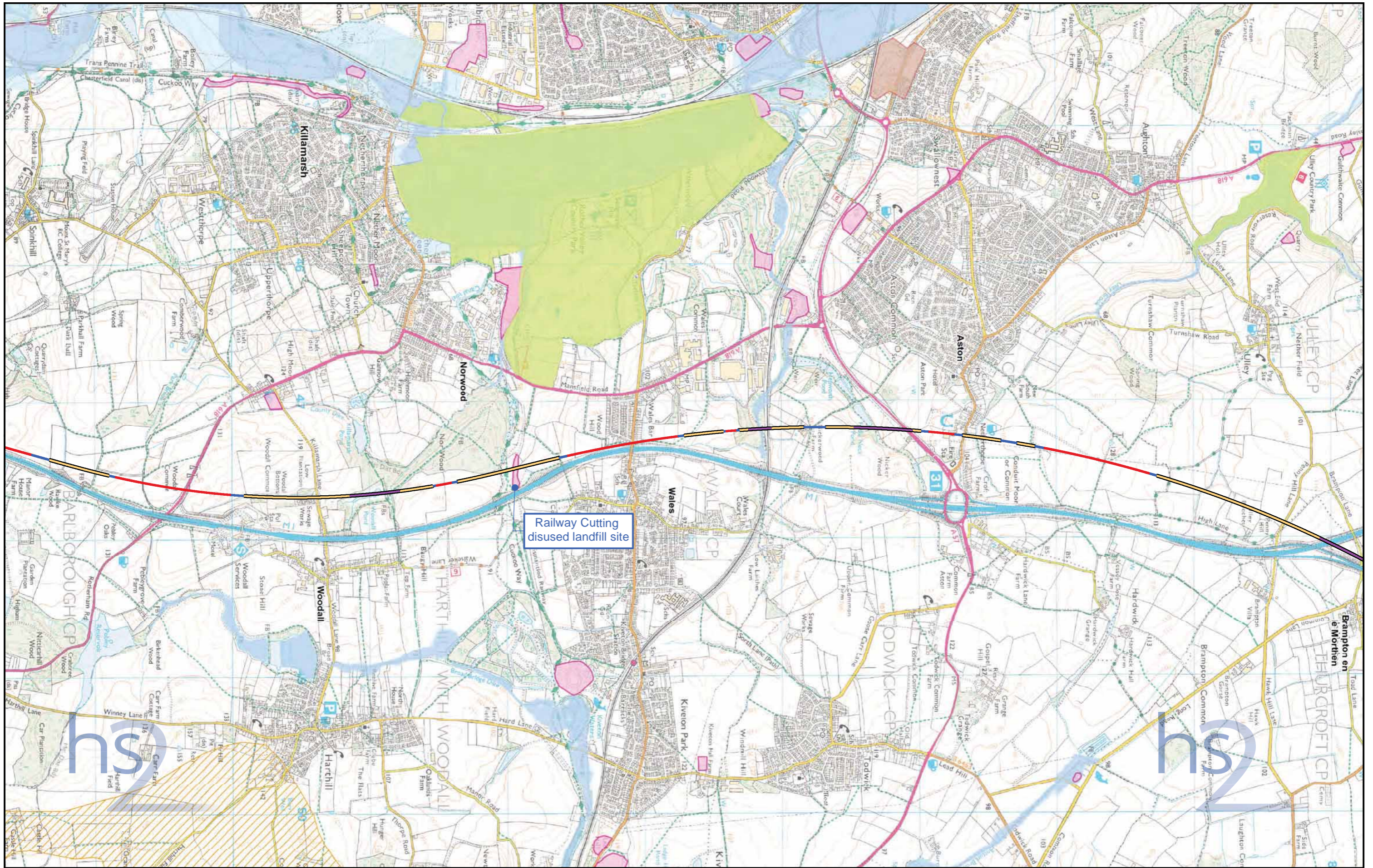


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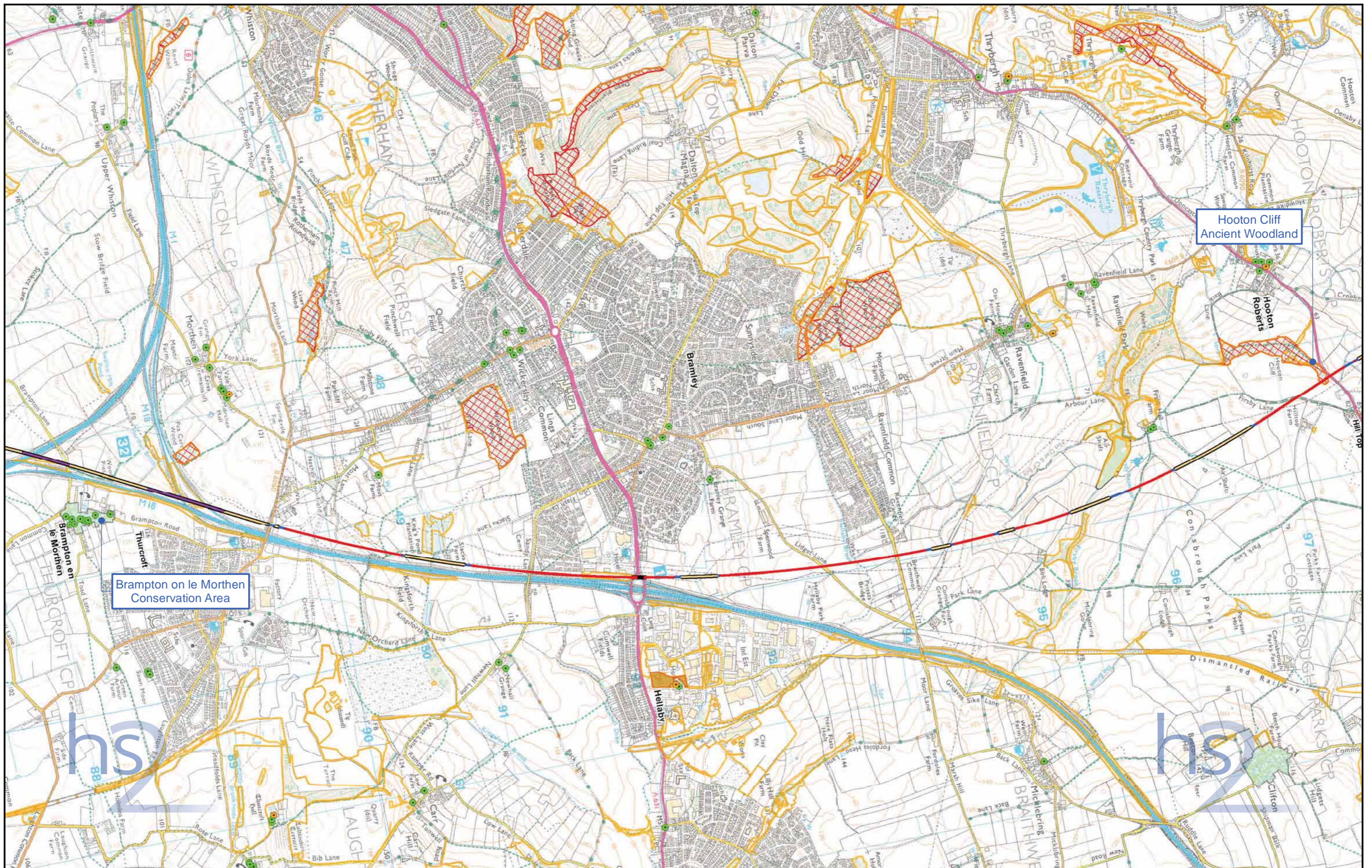
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Drawing No: C331-TRK-EV-MAP-120-000042 Date: 01/11/16





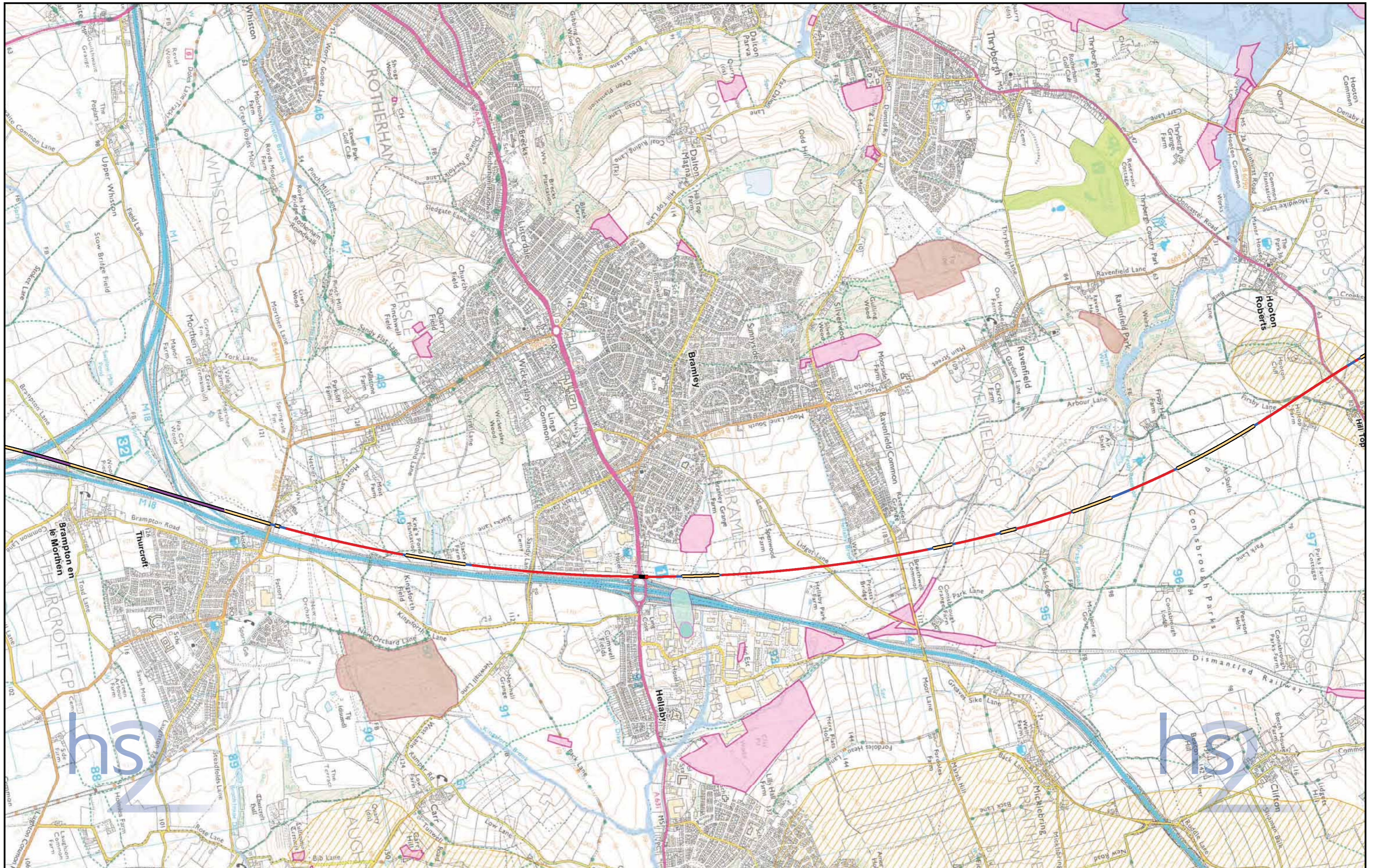
<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> ■ Country Park ▨ Agricultural Land Grade 1 ▨ Agricultural Land Grade 2 ■ Landfill Site (Disused) ■ Landfill Site (Active) 	<ul style="list-style-type: none"> ▨ Major Development Site ■ Flood Zone 2 ■ Flood Zone 3 ■ Groundwater Source Protection Zone 1 ■ Groundwater Source Protection Zone 2 	<p>Figure Number: EL-KE-12-02</p> <p>Figure Name: Preferred Route to Leeds Key Environmental Features Set 2 of 2</p> <p>Route Name: HSL13B / HSL14</p>	<p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Scale at A3: 1:25,000</p> <p>0 0.5 Kilometers</p>	<p>Temple RSK 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>TEMPLE RSK</p> <p>Drawing No: C331-TRK-EV-MAP-120-000043 Date: 01/11/16</p>
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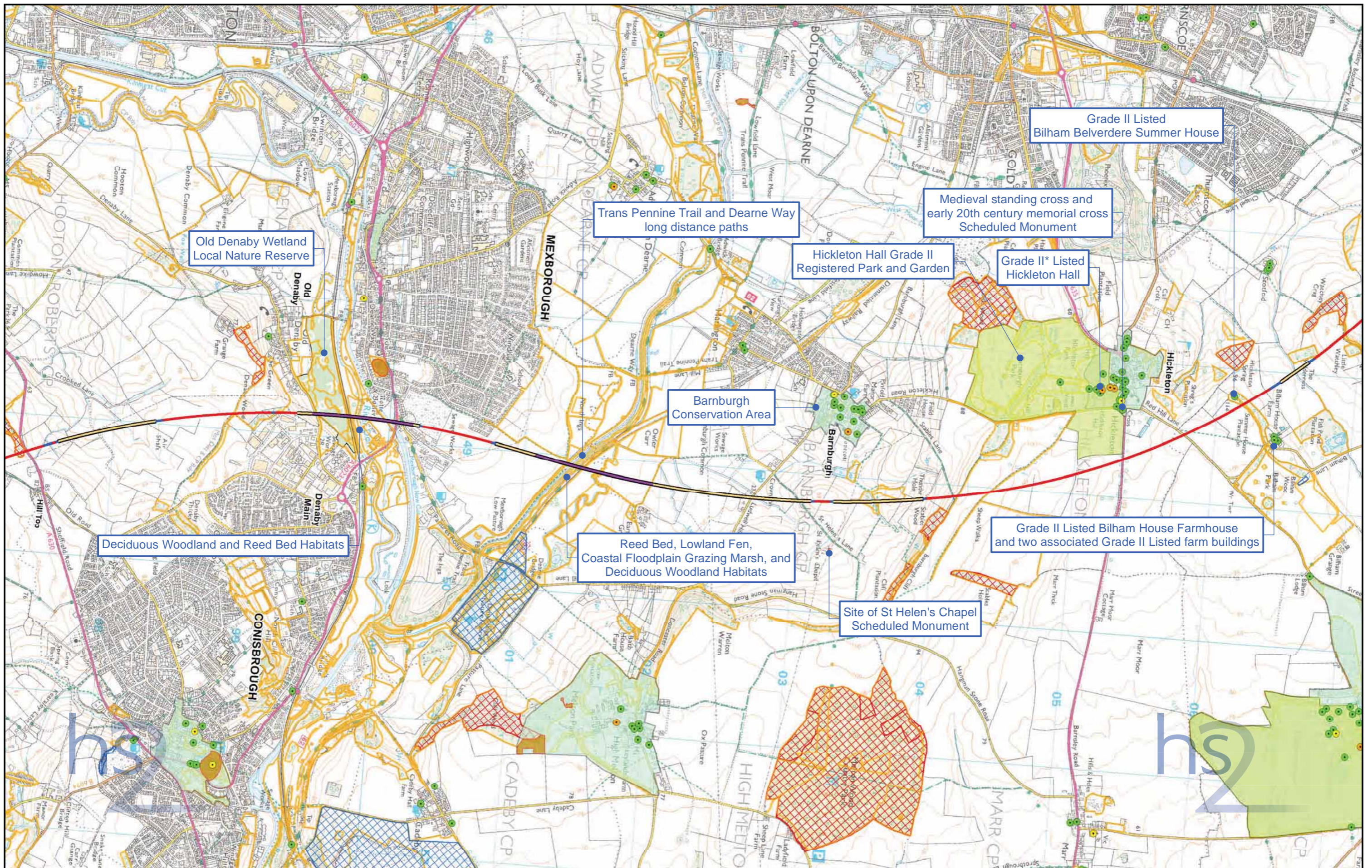
Brampton on le Morthen
Conservation Area

Hooton Cliff
Ancient Woodland

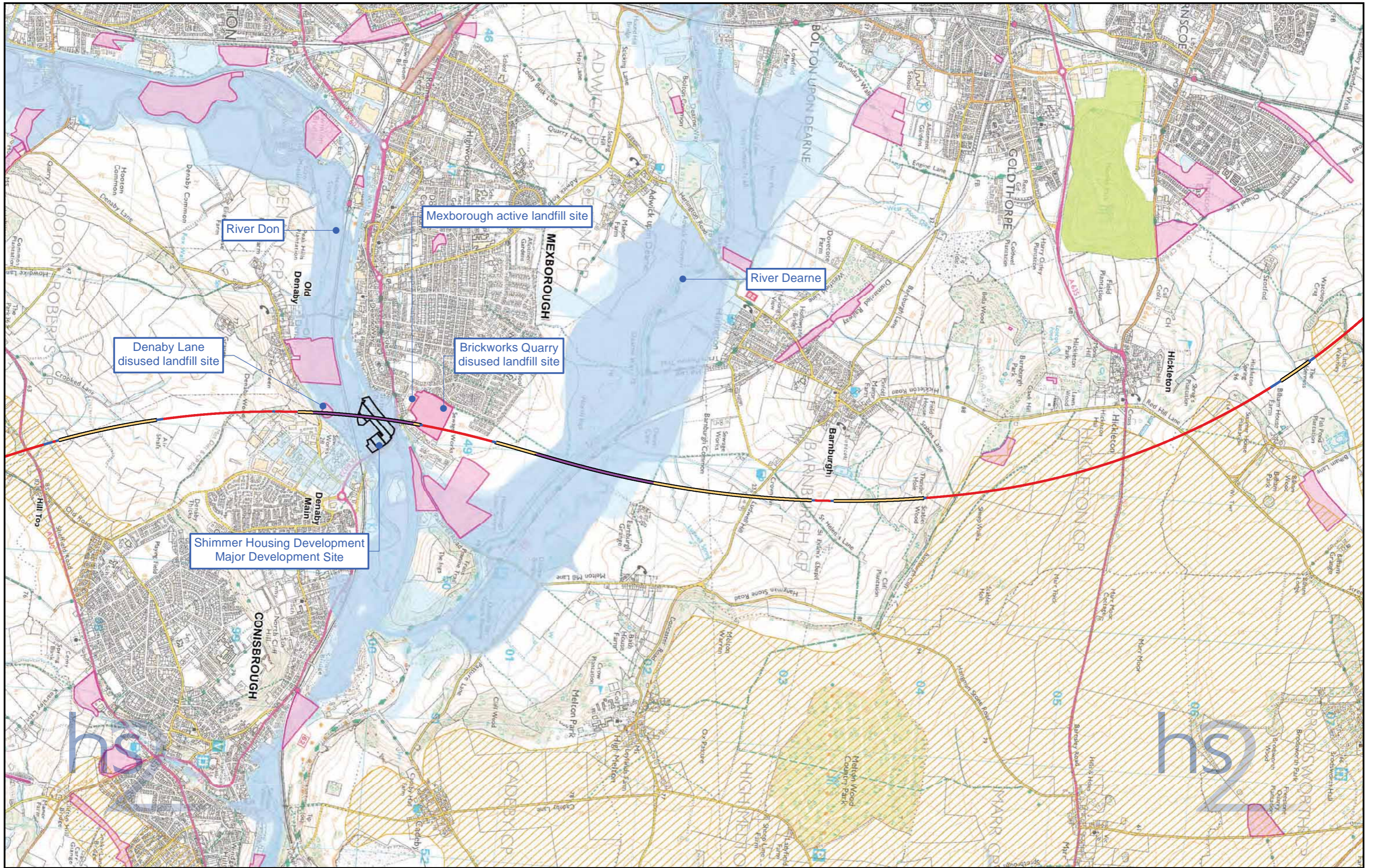
<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment Tunnel — Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> ● Listed Building Grade I ● Listed Building Grade II* ● Listed Building Grade II ■ Scheduled Monument ■ Ramsar Site Special Area of Conservation (SAC) 	<ul style="list-style-type: none"> Special Protection Area (SPA) Site of Special Scientific Interest (SSSI) Registered Park and Garden National Nature Reserve (NNR) Registered Battlefield 	<ul style="list-style-type: none"> Habitat of Principal Importance Ancient Woodland Local Nature Reserve National Trust Ownership National Trail Conservation Area 	<p>Figure Number: EL-KE-13-01</p> <p>Figure Name: Preferred Route to Leeds Key Environmental Features Set 1 of 2</p> <p>Route Name: HSL14 / HSL16</p>	<div style="text-align: right;">  </div> <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Temple RSK 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>Scale at A3: 1:25,000</p>  <p>Drawing No: C331-TRK-EV-MAP-130-000046 Date: 01/11/16</p>
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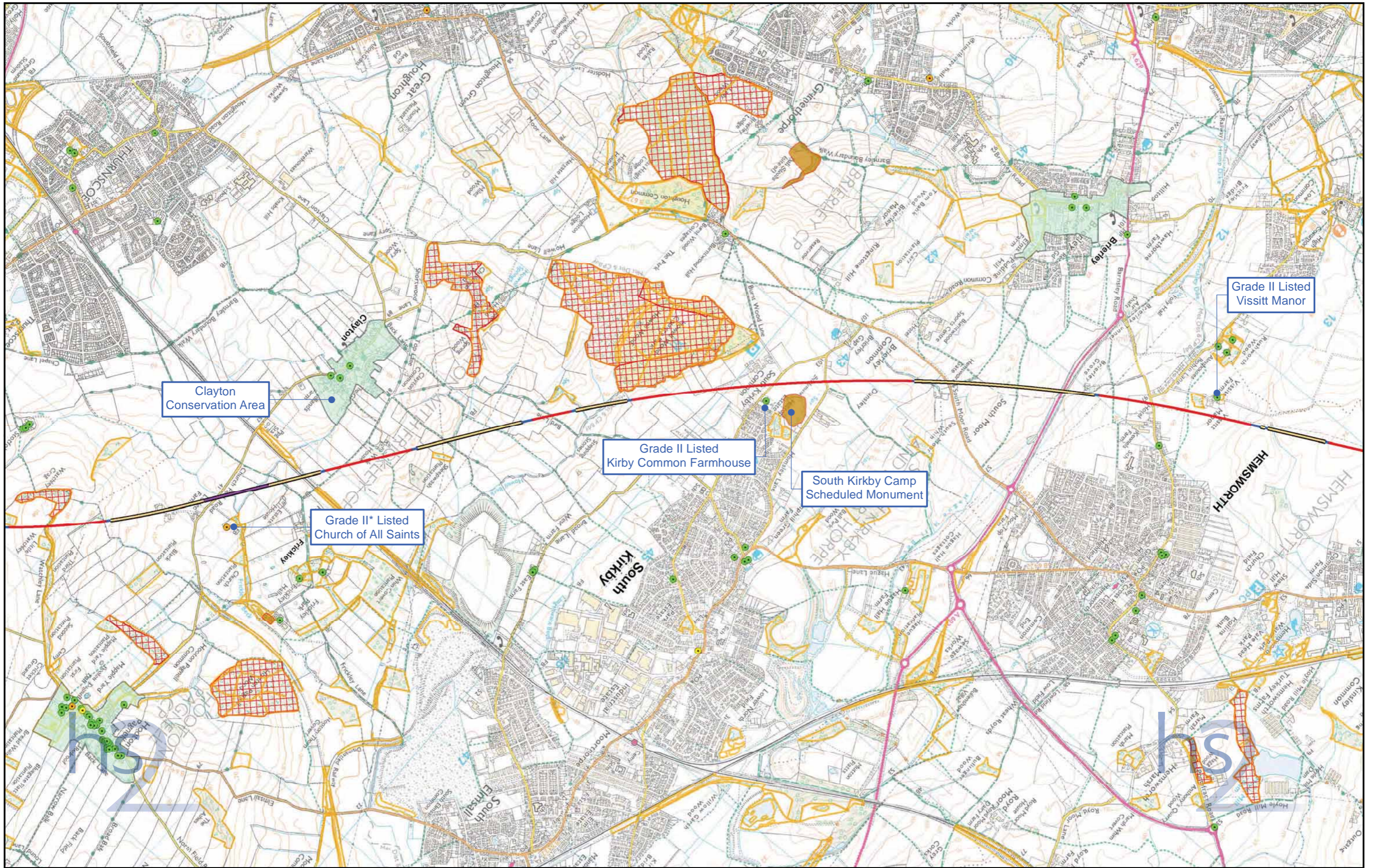
<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> ■ Country Park ▨ Agricultural Land Grade 1 ▨ Agricultural Land Grade 2 ■ Landfill Site (Disused) ■ Landfill Site (Active) 	<ul style="list-style-type: none"> ▨ Major Development Site ▨ Flood Zone 2 ▨ Flood Zone 3 ▨ Groundwater Source Protection Zone 1 ▨ Groundwater Source Protection Zone 2 	<p>Figure Number: EL-KE-13-02</p> <p>Figure Name: Preferred Route to Leeds Key Environmental Features Set 2 of 2</p> <p>Route Name: HSL14 / HSL16</p>	<p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Temple RSK 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>Scale at A3: 1:25,000</p> <p>0 0.5 1 Kilometers</p> 	<p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-130-000047</p> <p>Date: 01/11/16</p>
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<p>Route Alignment</p> <ul style="list-style-type: none"> At Grade Cut and Cover Tunnel Cutting Embankment Tunnel Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> Listed Building Grade I Listed Building Grade II* Listed Building Grade II Scheduled Monument Ramsar Site Special Area of Conservation (SAC) 	<ul style="list-style-type: none"> Special Protection Area (SPA) Site of Special Scientific Interest (SSSI) Registered Park and Garden National Nature Reserve (NNR) Registered Battlefield 	<ul style="list-style-type: none"> Habitat of Principal Importance Ancient Woodland Local Nature Reserve National Trust Ownership National Trail Conservation Area 	<p>Figure Number: EL-KE-14-01</p> <p>Figure Name: Preferred Route to Leeds Key Environmental Features Set 1 of 2</p> <p>Route Name: HSL16</p>	<p>Temple RSK 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>Scale at A3: 1:25,000</p> <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-130-000048</p> <p>Date: 01/11/16</p>
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<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment Tunnel — Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> Country Park Agricultural Land Grade 1 Agricultural Land Grade 2 Landfill Site (Disused) Landfill Site (Active) 	<ul style="list-style-type: none"> Major Development Site Flood Zone 2 Flood Zone 3 Groundwater Source Protection Zone 1 Groundwater Source Protection Zone 2 	<p>Figure Number: EL-KE-14-02</p> <p>Figure Name: Preferred Route to Leeds Key Environmental Features Set 2 of 2</p> <p>Route Name: HSL16</p>	<p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p>	<p>Temple RSK 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>Scale at A3: 1:25,000</p> <p>0 0.5 1 Kilometers</p> <p>TEMPLE RSK</p> <p>Drawing No: C331-TRK-EV-MAP-130-000049 Date: 01/11/16</p>
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Route Alignment

	At Grade
	Cut and Cover Tunnel
	Cutting
	Embankment
	Tunnel
	Viaduct

Sustainability Features

	Listed Building Grade I
	Listed Building Grade II*
	Listed Building Grade II
	Scheduled Monument
	Ramsar Site
	Special Area of Conservation (SAC)

	Special Protection Area (SPA)
	Site of Special Scientific Interest (SSSI)
	Registered Park and Garden
	National Nature Reserve (NNR)
	Registered Battlefield

	Habitat of Principal Importance
	Ancient Woodland
	Local Nature Reserve
	National Trust Ownership
	National Trail
	Conservation Area

Figure Number:	EL-KE-15-01
Figure Name:	Preferred Route to Leeds Key Environmental Features Set 1 of 2
Route Name:	HSL16

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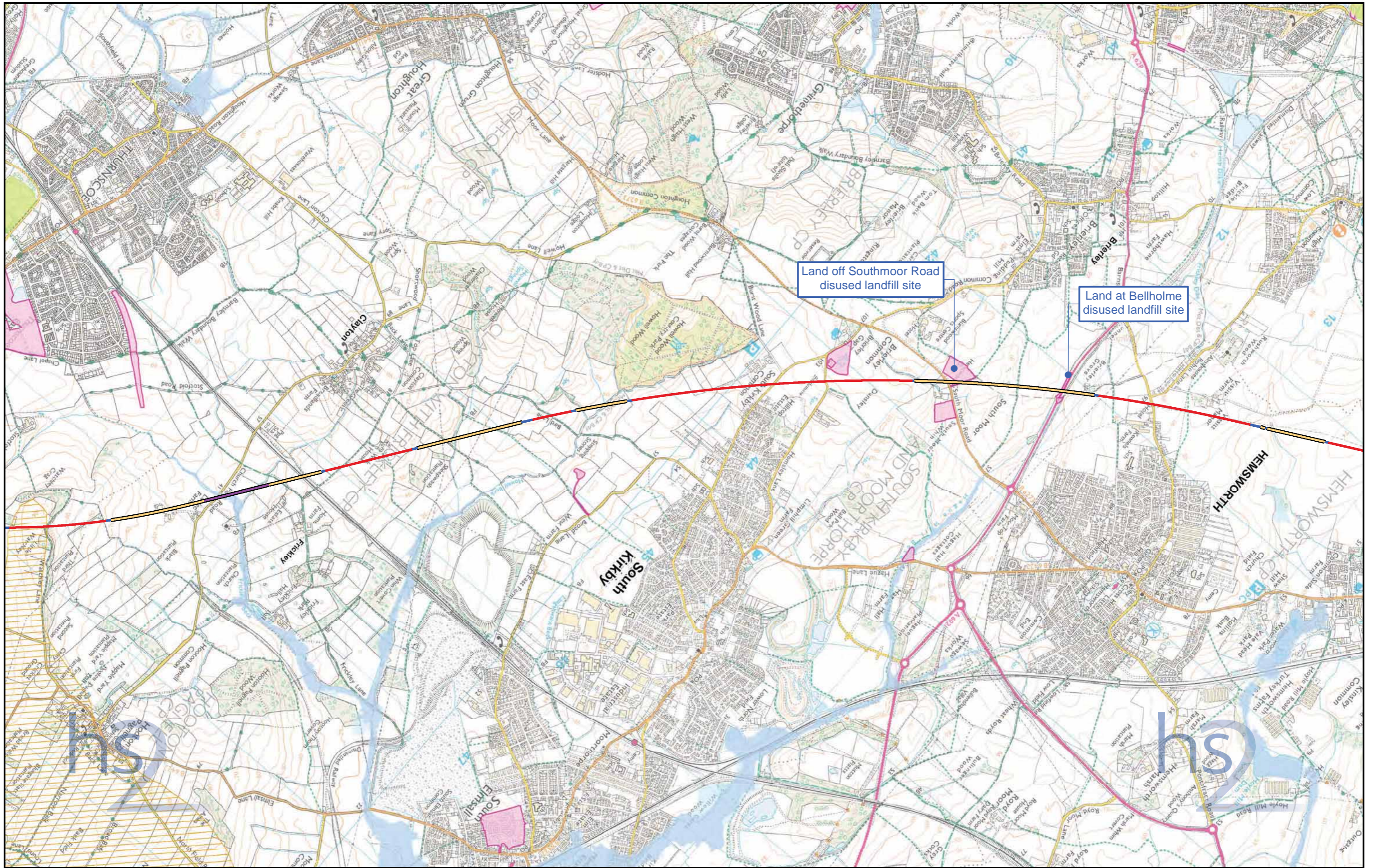
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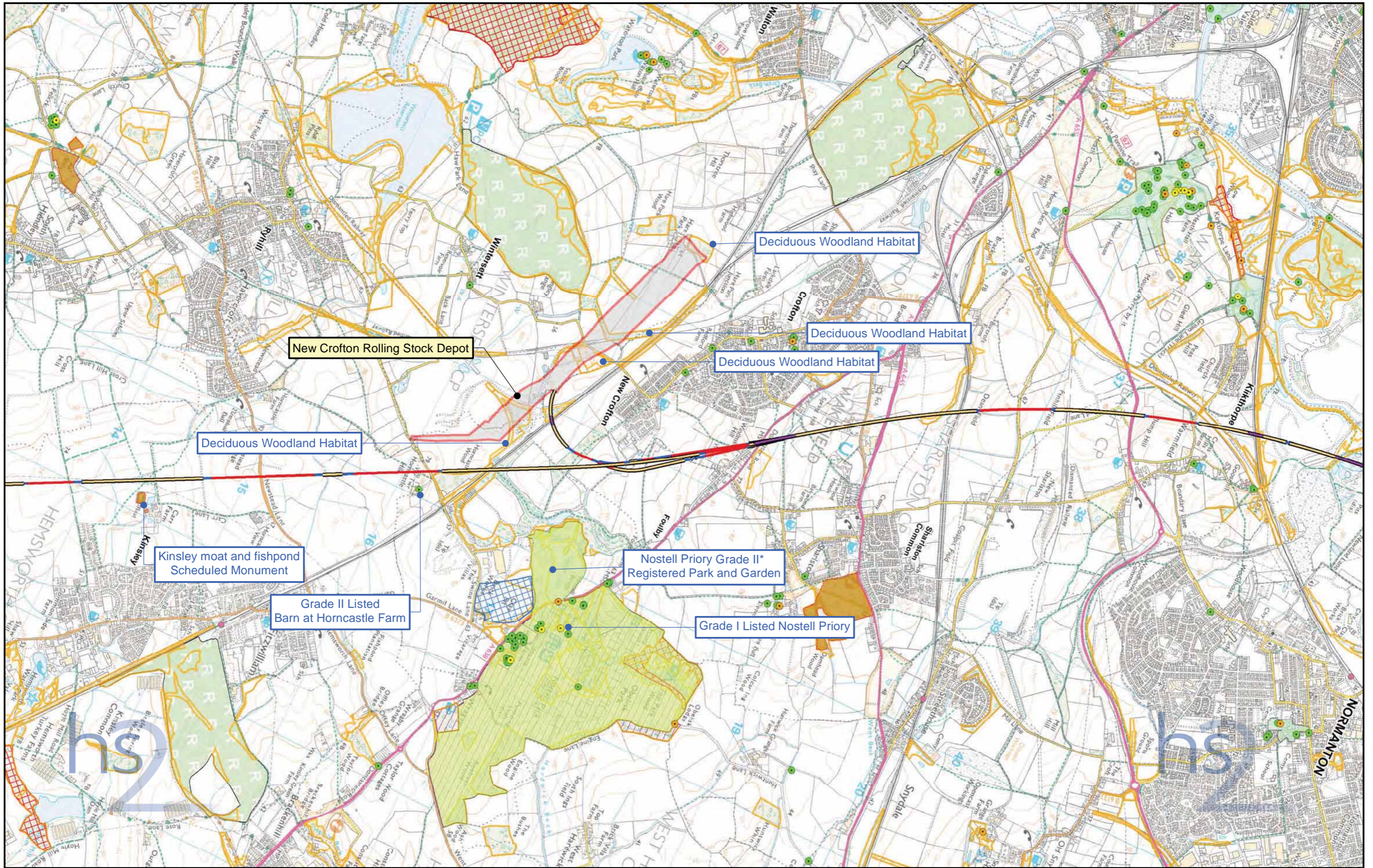
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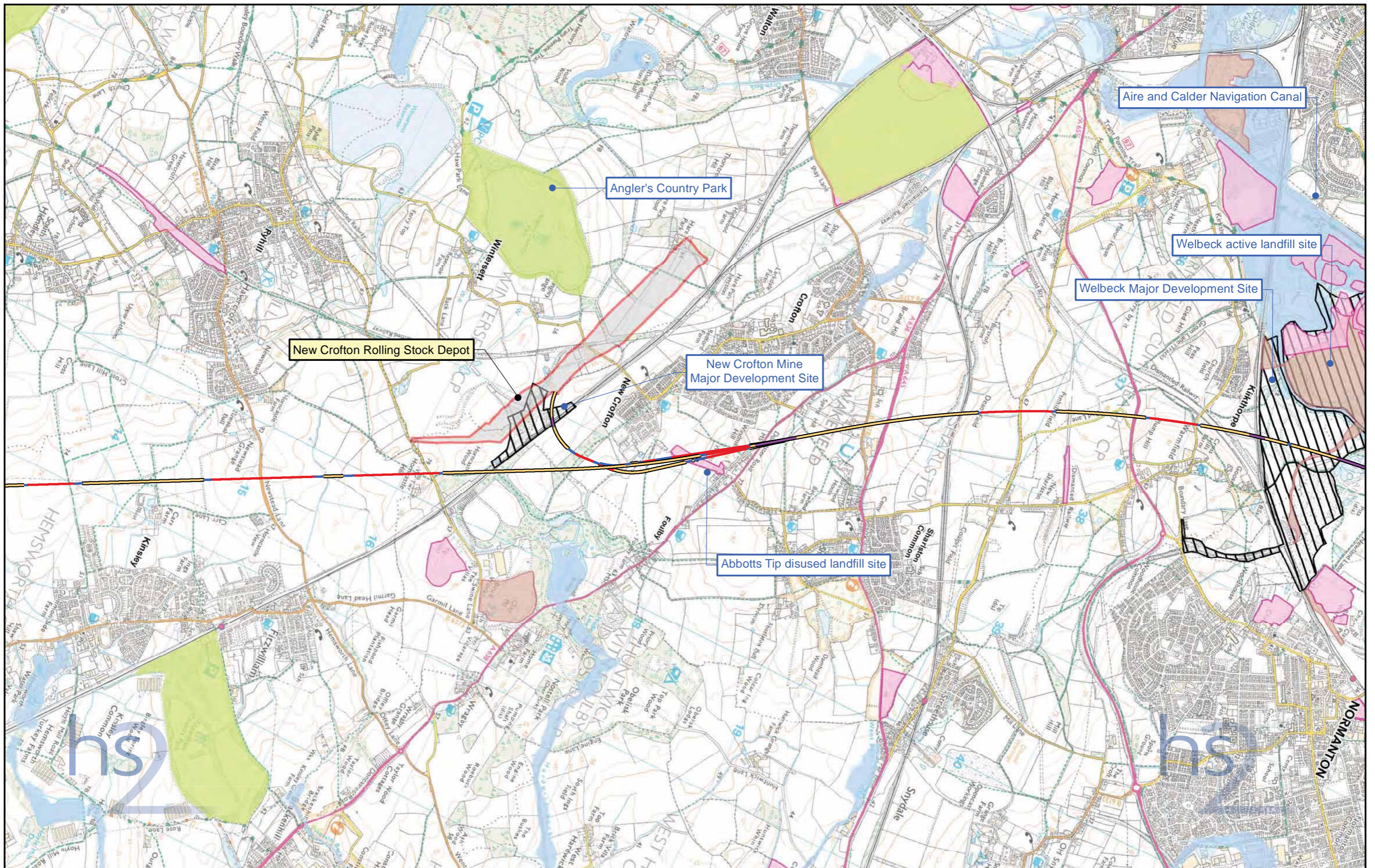
Drawing No: C331-TRK-EV-MAP-130-000050 **Date:** 01/11/16



<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> ■ Country Park ■ Agricultural Land Grade 1 ■ Agricultural Land Grade 2 ■ Landfill Site (Disused) ■ Landfill Site (Active) 	<ul style="list-style-type: none"> Major Development Site ■ Flood Zone 2 ■ Flood Zone 3 ■ Groundwater Source Protection Zone 1 ■ Groundwater Source Protection Zone 2 	<p>Figure Number: EL-KE-15-02</p> <p>Figure Name: Preferred Route to Leeds Key Environmental Features Set 2 of 2</p> <p>Route Name: HSL16</p>	<div style="text-align: center;">  <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> </div> <p>Temple RSK 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>Scale at A3: 1:25,000</p> <div style="text-align: center;">  <p>Kilometers</p> </div> <div style="text-align: right;">  <p>Date: 01/11/16</p> </div>
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<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> ● Listed Building Grade I ● Listed Building Grade II* ● Listed Building Grade II ■ Scheduled Monument ■ Ramsar Site □ Special Area of Conservation (SAC) 	<ul style="list-style-type: none"> □ Special Protection Area (SPA) □ Site of Special Scientific Interest (SSSI) □ Registered Park and Garden □ National Nature Reserve (NNR) □ Registered Battlefield 	<ul style="list-style-type: none"> □ Habitat of Principal Importance □ Ancient Woodland □ Local Nature Reserve □ National Trust Ownership — National Trail □ Conservation Area 	<p>Figure Number: EL-KE-16-01</p> <p>Figure Name: Preferred Route to Leeds Key Environmental Features Set 1 of 2</p> <p>Route Name: HSL16 / HSL17A / HSL17B</p>	<div style="text-align: center;">  <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> </div> <p>Temple RSK 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>Scale at A3: 1:25,000</p>  <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-130-000052 Date: 01/11/16</p>
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- Route Alignment**
- At Grade
 - Cut and Cover Tunnel
 - Cutting
 - Embankment
 - Tunnel
 - Viaduct

- Sustainability Features**
- Country Park
 - Agricultural Land Grade 1
 - Agricultural Land Grade 2
 - Landfill Site (Disused)
 - Landfill Site (Active)

- Major Development Site
- Flood Zone 2
- Flood Zone 3
- Groundwater Source Protection Zone 1
- Groundwater Source Protection Zone 2

Figure Number: EL-KE-16-02

Figure Name: Preferred Route to Leeds
Key Environmental Features
Set 2 of 2

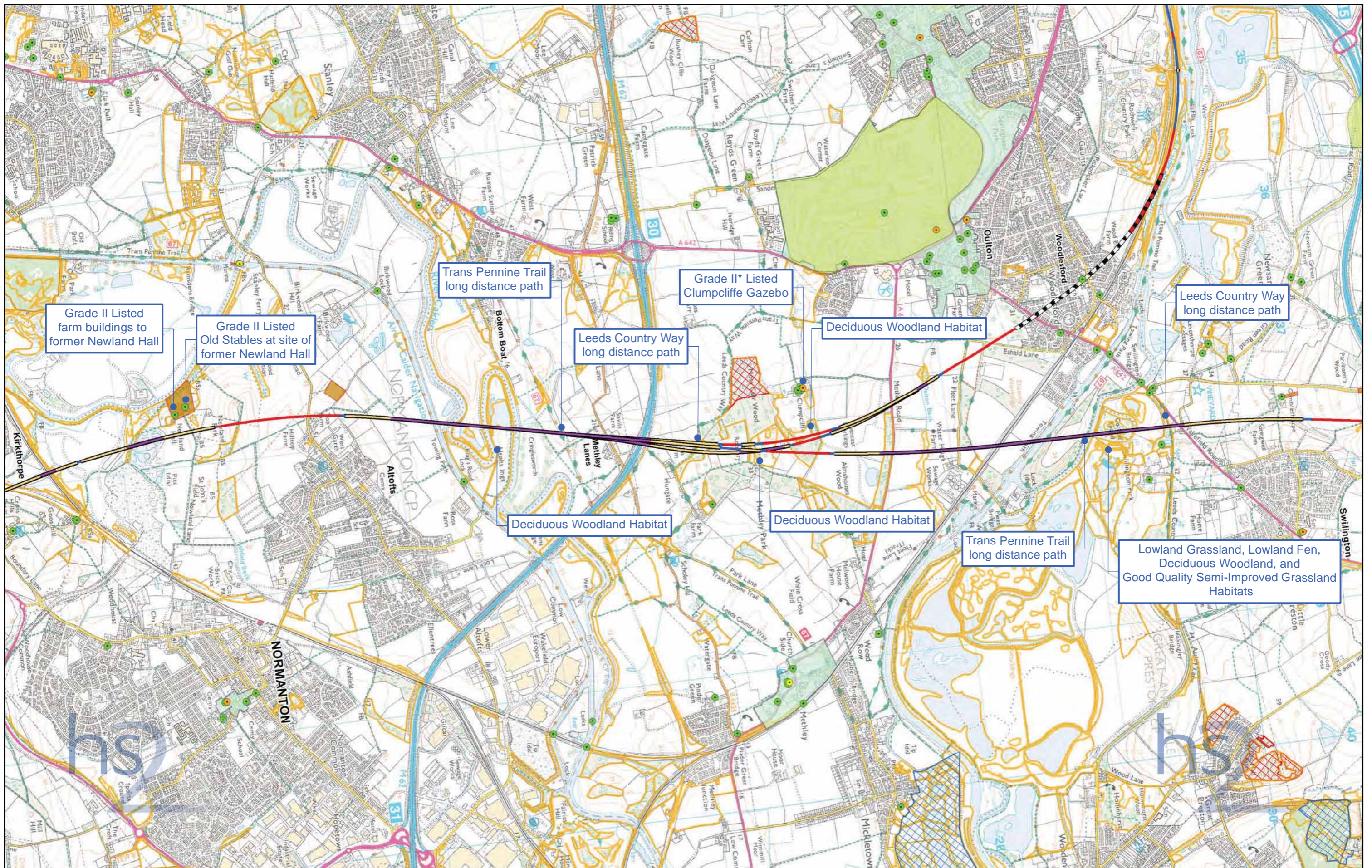
Route Name: HSL16 / HSL17A / HSL17B


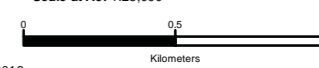

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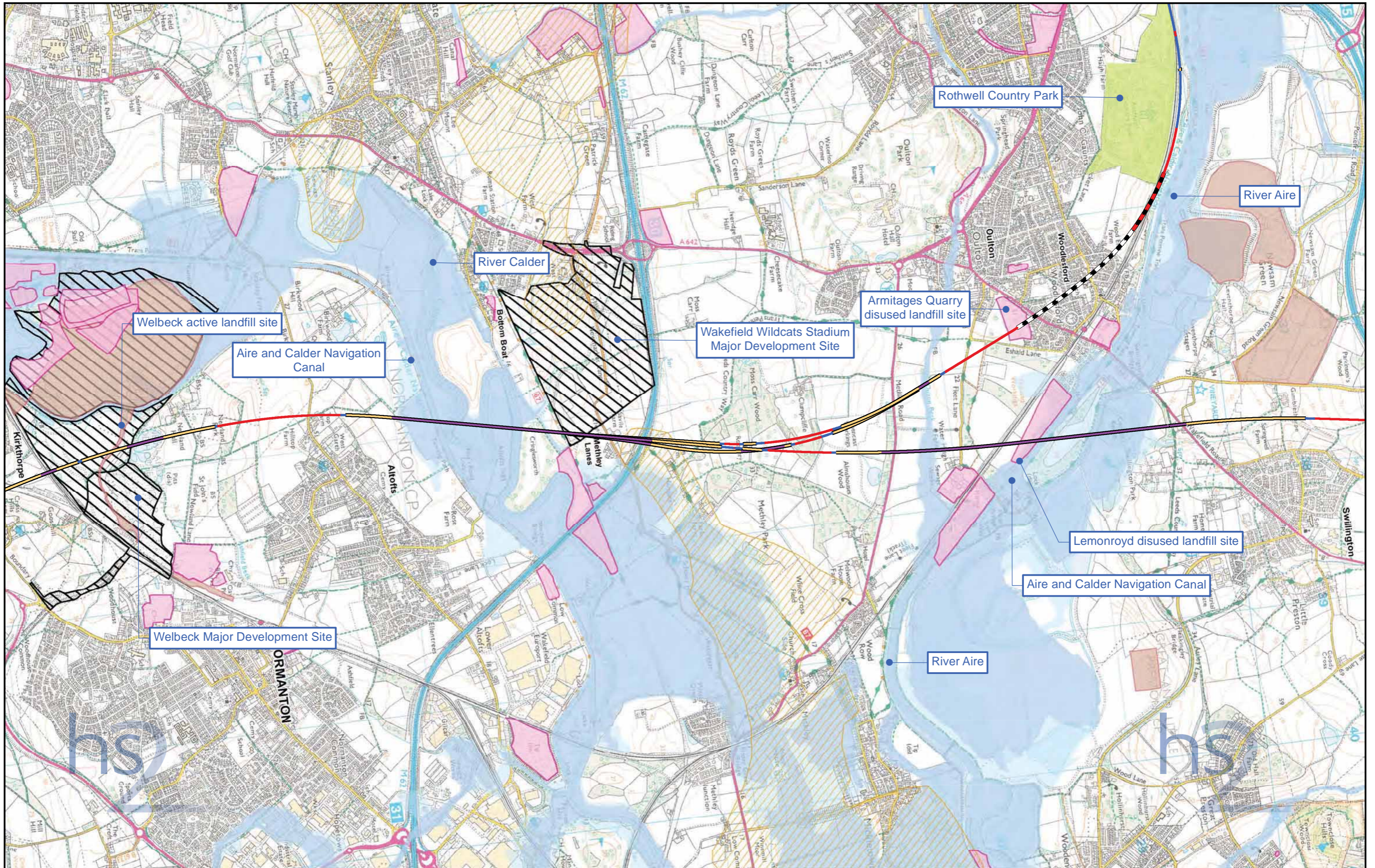
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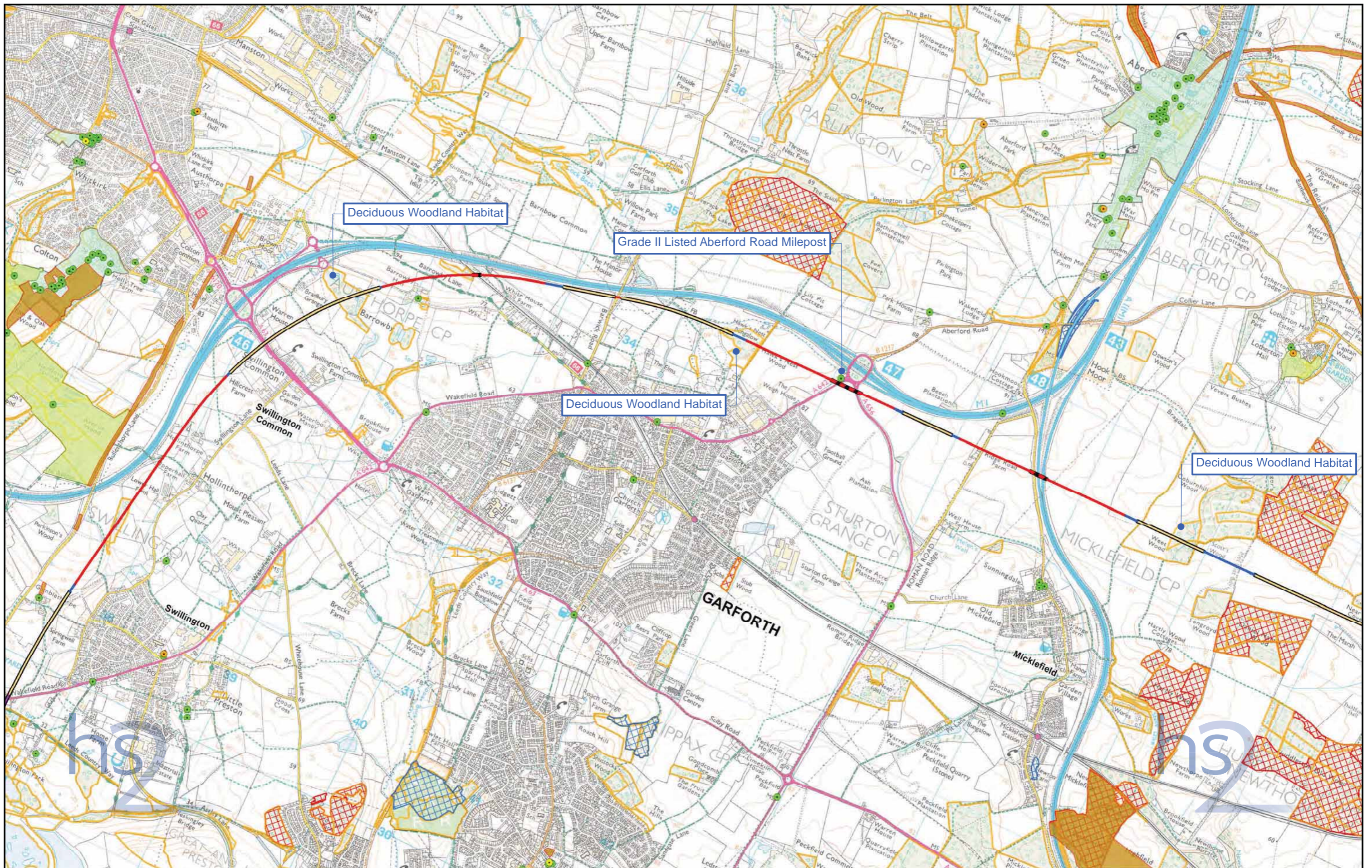
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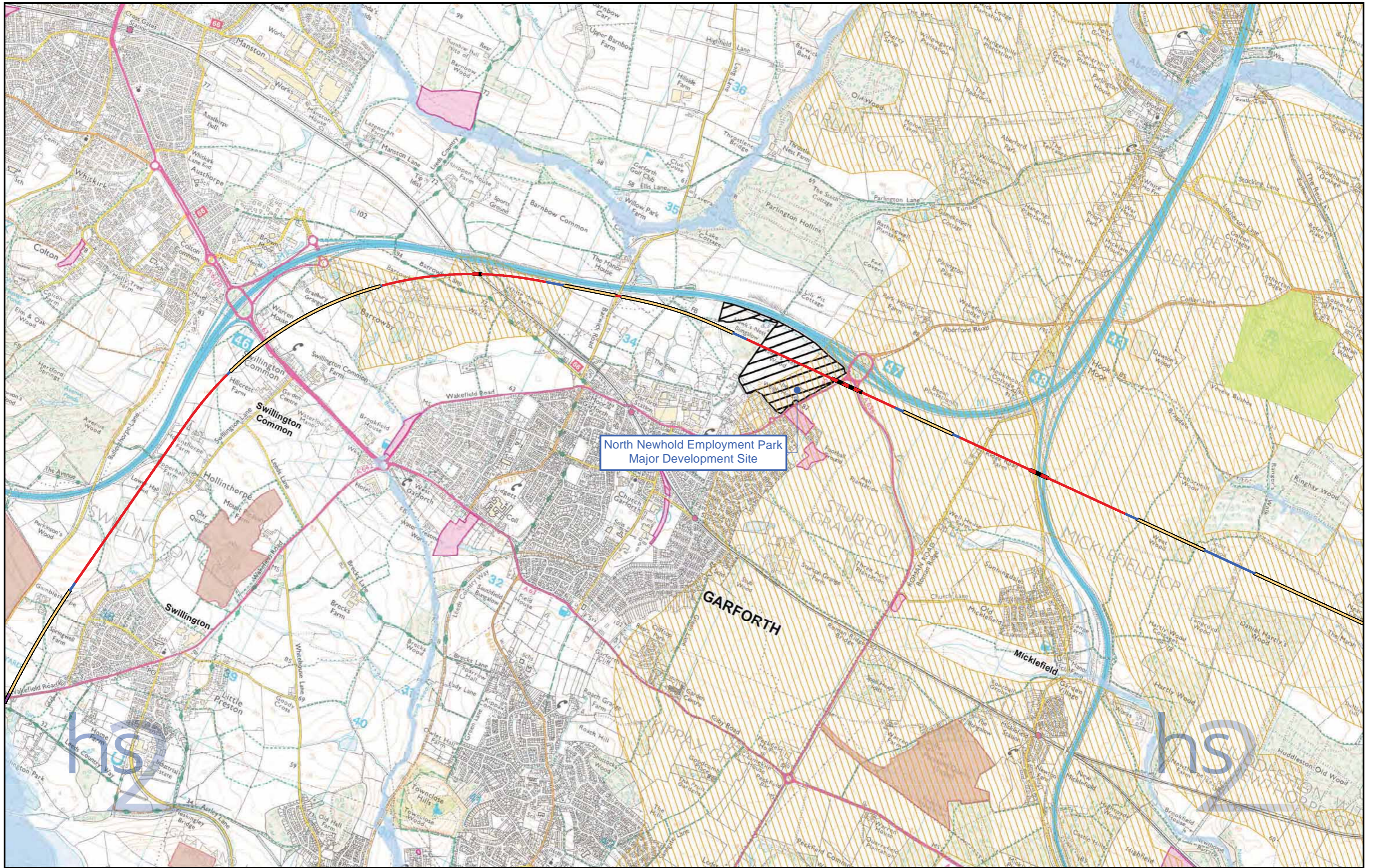
<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade - - - Cut and Cover Tunnel — Cutting — Embankment - - - Tunnel — Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> ● Listed Building Grade I ● Listed Building Grade II* ● Listed Building Grade II ■ Scheduled Monument ■ Ramsar Site Special Area of Conservation (SAC) 	<ul style="list-style-type: none"> Special Protection Area (SPA) Site of Special Scientific Interest (SSSI) Registered Park and Garden National Nature Reserve (NNR) Registered Battlefield 	<ul style="list-style-type: none"> Habitat of Principal Importance Ancient Woodland Local Nature Reserve National Trust Ownership National Trail Conservation Area 	<p>Figure Number: EL-KE-17-01</p> <p>Figure Name: Preferred Route to Leeds Key Environmental Features Set 1 of 2</p> <p>Route Name: HSL17B / HSL21</p>	<div style="text-align: right;">  <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> </div> <p>Temple RSK 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>Scale at A3: 1:25,000</p>  <div style="text-align: right;">  <p>Date: 01/11/16</p> </div>
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<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment Tunnel — Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> Country Park Agricultural Land Grade 1 Agricultural Land Grade 2 Landfill Site (Disused) Landfill Site (Active) Major Development Site Flood Zone 2 Flood Zone 3 Groundwater Source Protection Zone 1 Groundwater Source Protection Zone 2 	<p>Figure Number: EL-KE-17-02</p> <p>Figure Name: Preferred Route to Leeds Key Environmental Features Set 2 of 2</p> <p>Route Name: HSL17B / HSL21</p>	<p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-130-000055</p>	<p>Temple RSK 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>Scale at A3: 1:25,000</p> <p>0 0.5 1 Kilometers</p> <p>Date: 01/11/16</p>
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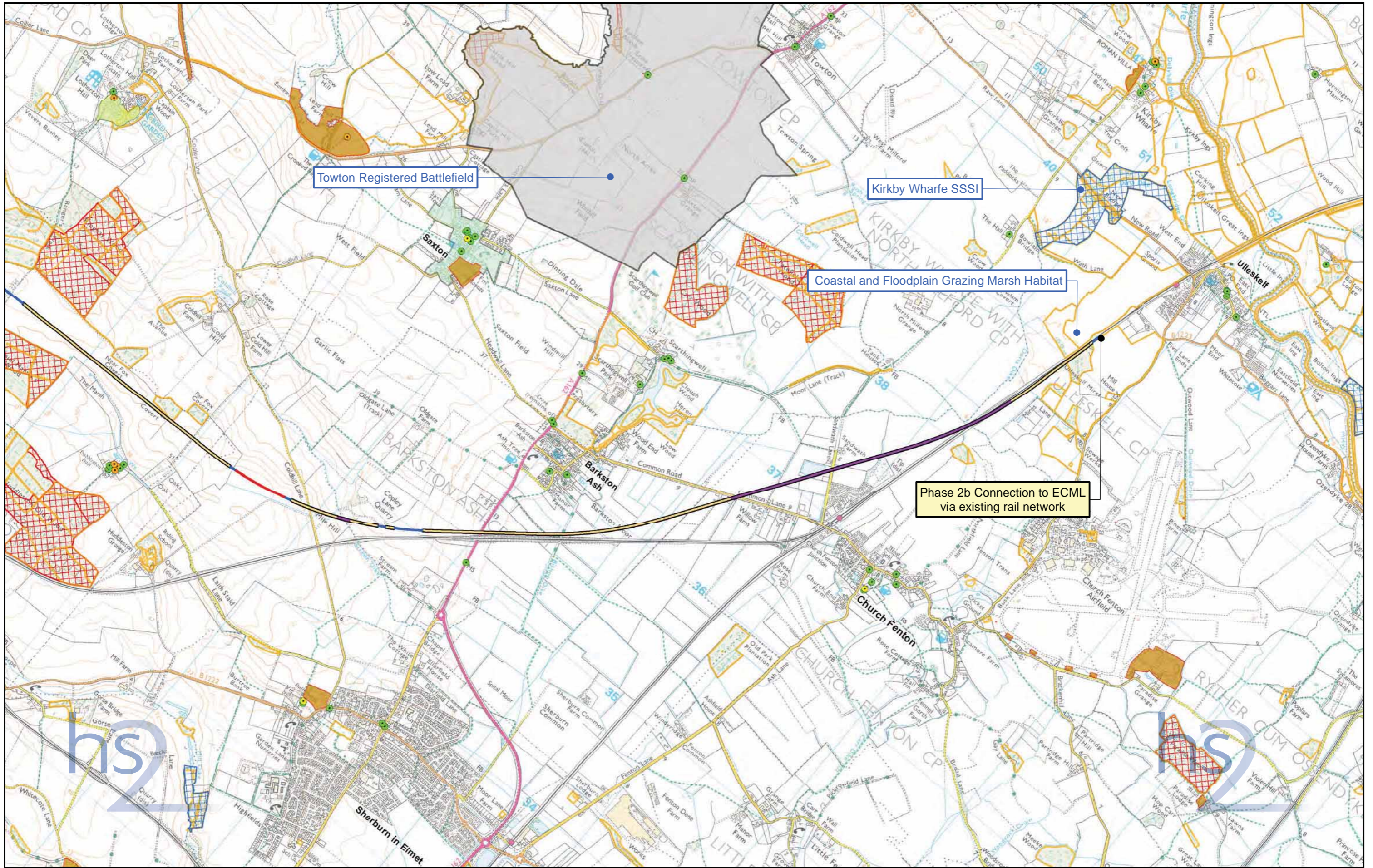


<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> ● Listed Building Grade I ● Listed Building Grade II* ● Listed Building Grade II ■ Scheduled Monument ■ Ramsar Site Special Area of Conservation (SAC) 	<ul style="list-style-type: none"> Special Protection Area (SPA) Site of Special Scientific Interest (SSSI) Registered Park and Garden National Nature Reserve (NNR) Registered Battlefield 	<ul style="list-style-type: none"> Habitat of Principal Importance Ancient Woodland Local Nature Reserve National Trust Ownership National Trail Conservation Area 	<p>Figure Number: EL-KE-18-01</p> <p>Figure Name: Preferred Route to Leeds Key Environmental Features Set 1 of 2</p> <p>Route Name: HSL17B</p>	<p>Figure Number: EL-KE-18-01</p> <p>Figure Name: Preferred Route to Leeds Key Environmental Features Set 1 of 2</p> <p>Route Name: HSL17B</p> <p>Scale at A3: 1:25,000</p> <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-130-000056</p> <p>Date: 01/11/16</p>
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North Newhold Employment Park
Major Development Site

<p>Route Alignment</p> <ul style="list-style-type: none"> At Grade Cut and Cover Tunnel Cutting Embankment Tunnel Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> Country Park Agricultural Land Grade 1 Agricultural Land Grade 2 Landfill Site (Disused) Landfill Site (Active) 	<ul style="list-style-type: none"> Major Development Site Flood Zone 2 Flood Zone 3 Groundwater Source Protection Zone 1 Groundwater Source Protection Zone 2 	<p>Figure Number: EL-KE-18-02</p> <p>Figure Name: Preferred Route to Leeds Key Environmental Features Set 2 of 2</p> <p>Route Name: HSL17B</p>	<p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p>	<p>Temple RSK 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>Scale at A3: 1:25,000</p> <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-130-000057 Date: 01/11/16</p>
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Route Alignment	Sustainability Features
At Grade	Listed Building Grade I
Cut and Cover Tunnel	Listed Building Grade II*
Cutting	Listed Building Grade II
Embankment	Scheduled Monument
Tunnel	Ramsar Site
Viaduct	Special Area of Conservation (SAC)

Special Protection Area (SPA)	Habitat of Principal Importance
Site of Special Scientific Interest (SSSI)	Ancient Woodland
Registered Park and Garden	Local Nature Reserve
National Nature Reserve (NNR)	National Trust Ownership
Registered Battlefield	National Trail
Conservation Area	

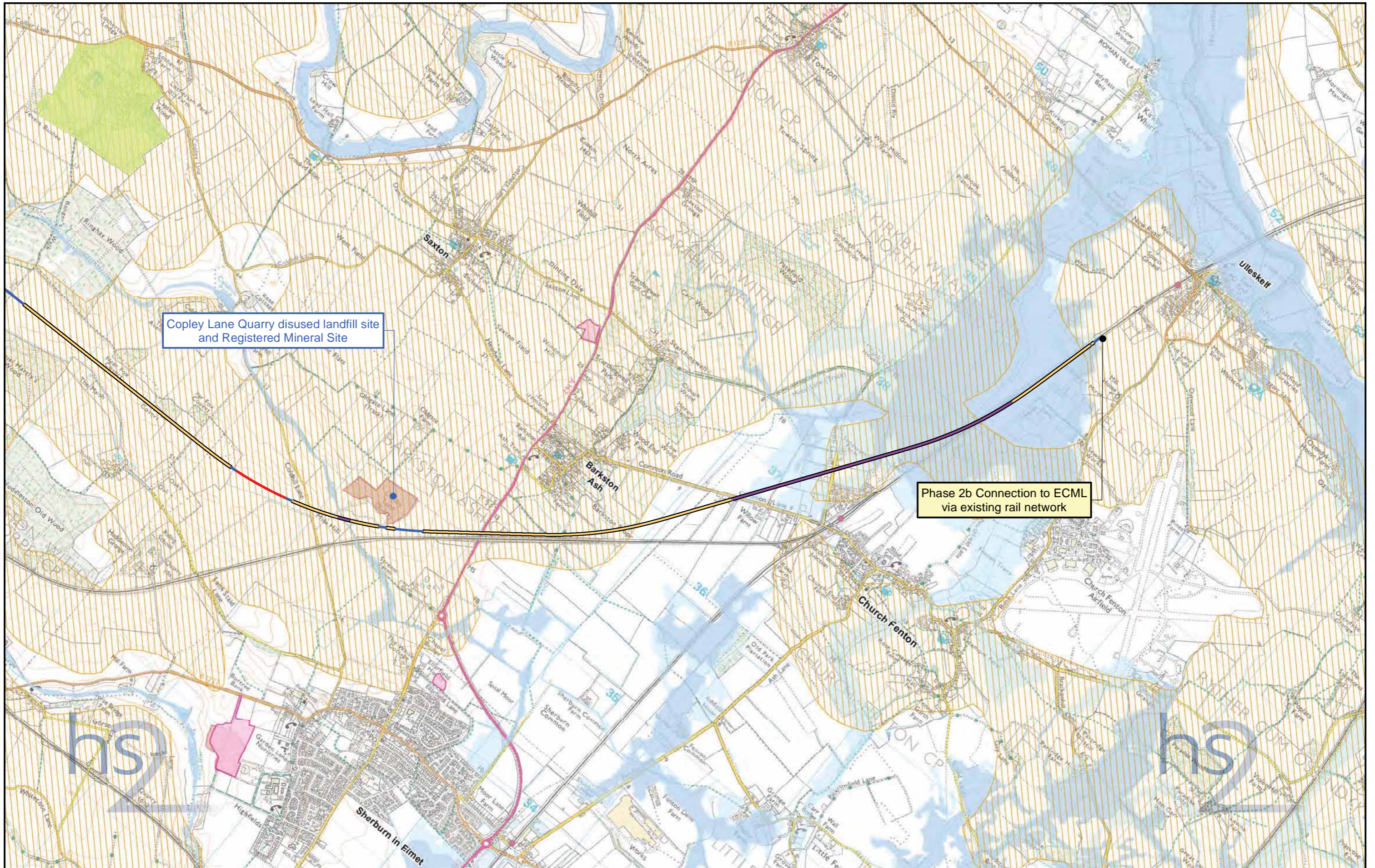
Figure Number:	EL-KE-19-01
Figure Name:	Preferred Route to Leeds Key Environmental Features Set 1 of 2
Route Name:	HSL17B

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Copley Lane Quarry disused landfill site and Registered Mineral Site

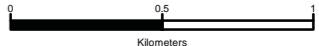
Phase 2b Connection to ECML via existing rail network

Route Alignment	Sustainability Features	Major Development Site
At Grade	Country Park	Flood Zone 2
Cut and Cover Tunnel	Agricultural Land Grade 1	Flood Zone 3
Cutting	Agricultural Land Grade 2	Groundwater Source Protection Zone 1
Embankment	Landfill Site (Disused)	Groundwater Source Protection Zone 2
Tunnel	Landfill Site (Active)	
Viaduct		

Figure Number:	EL-KE-19-02
Figure Name:	Preferred Route to Leeds Key Environmental Features Set 2 of 2
Route Name:	HSL17B


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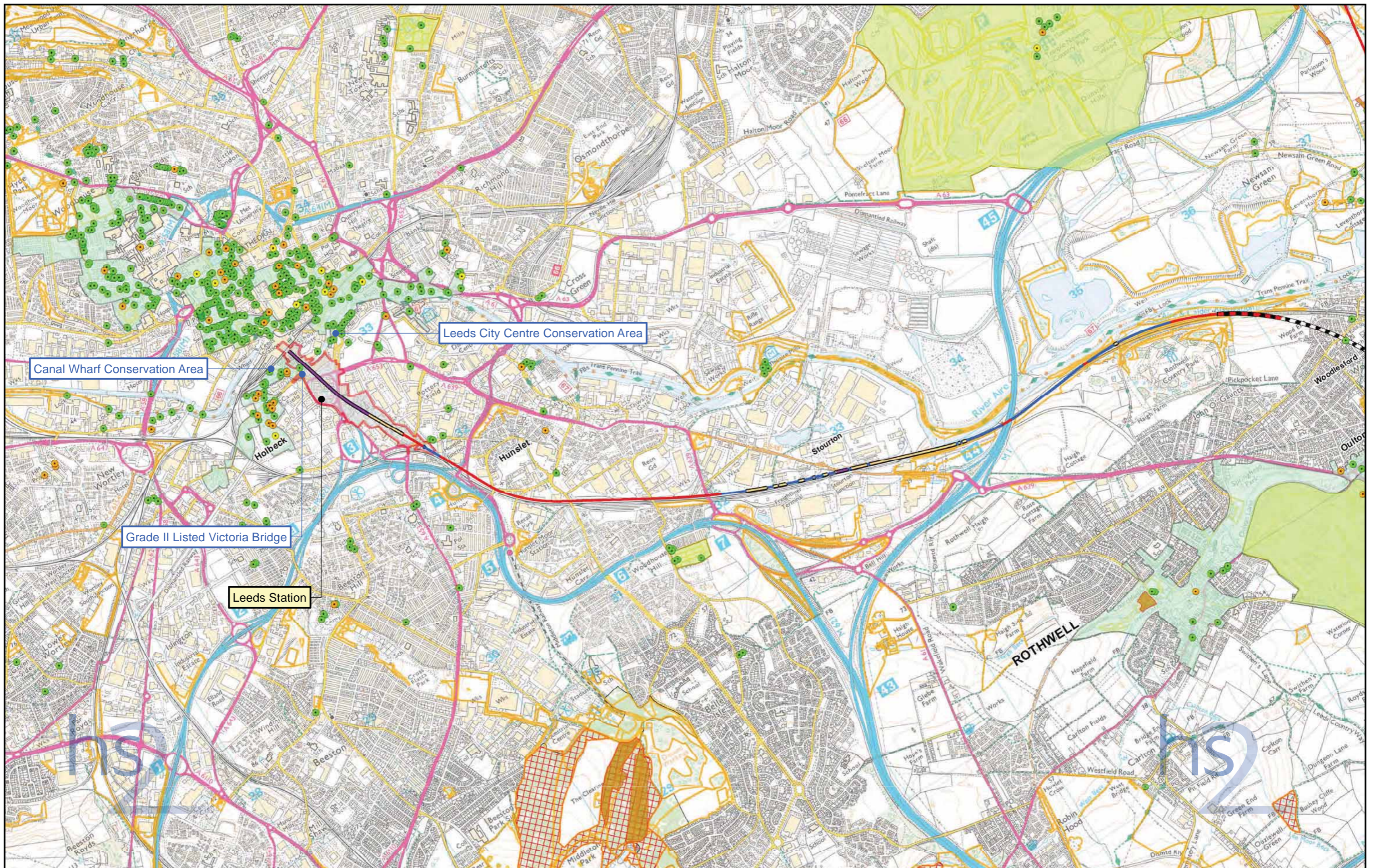
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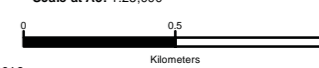

 0.5 Kilometers

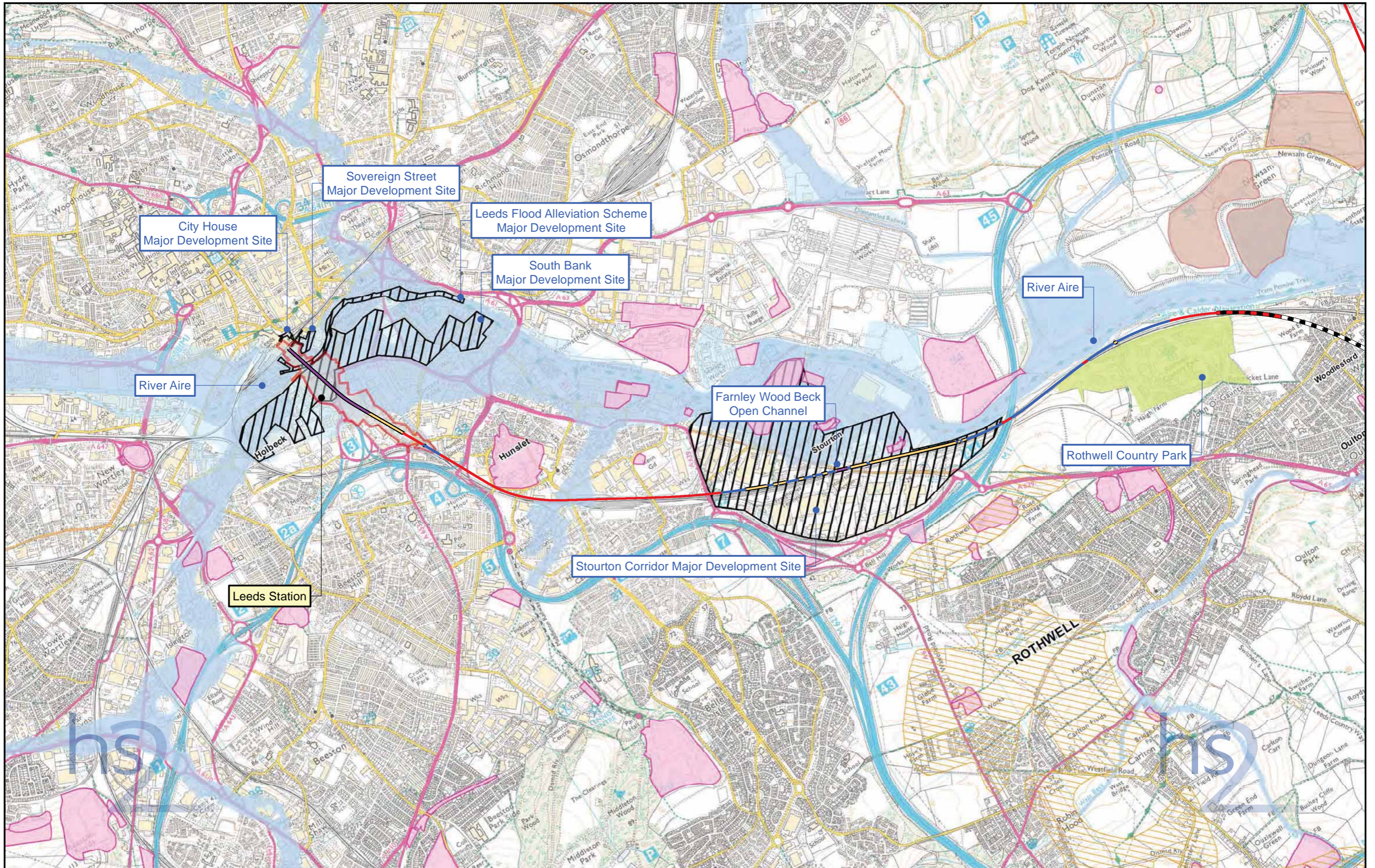
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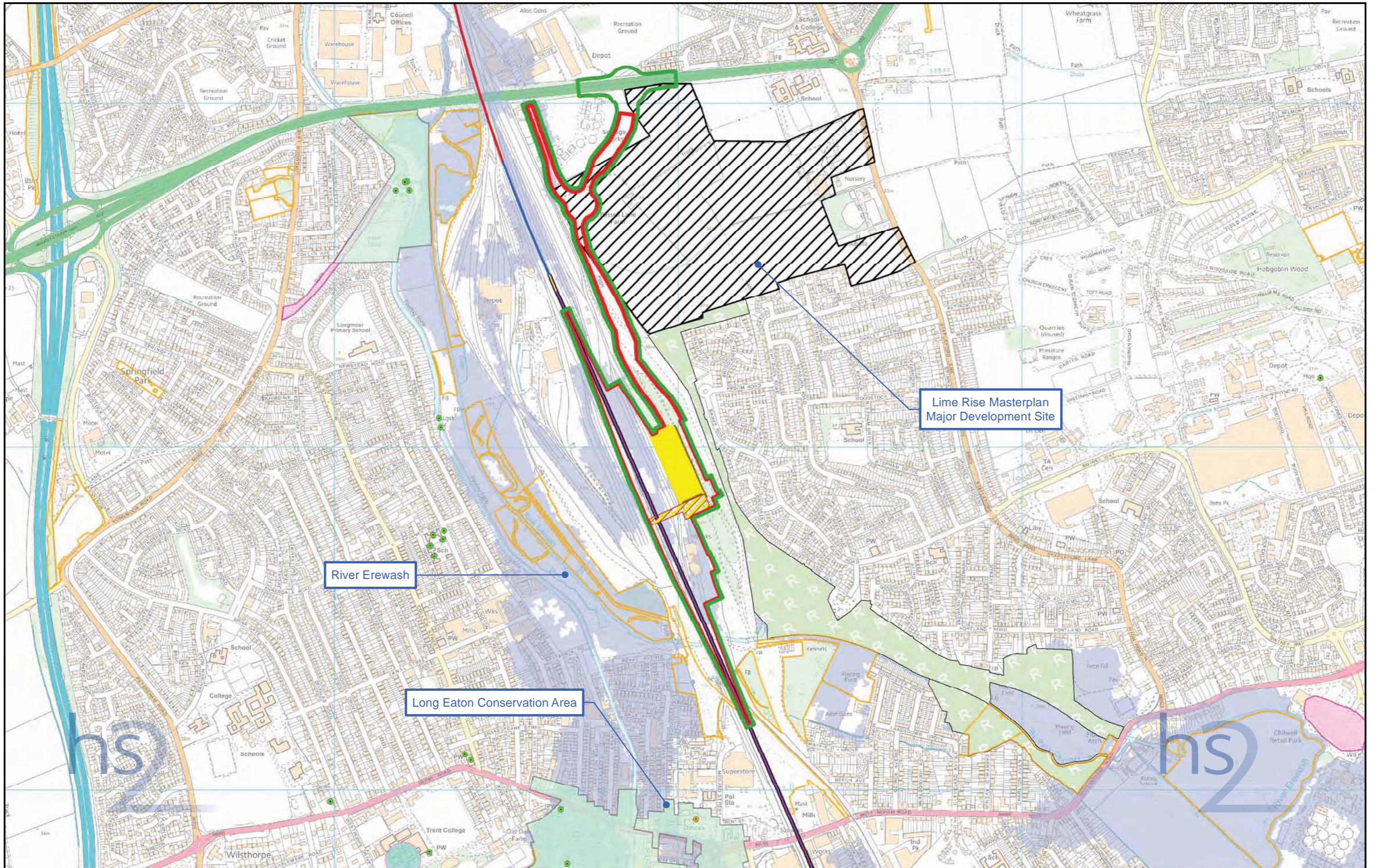
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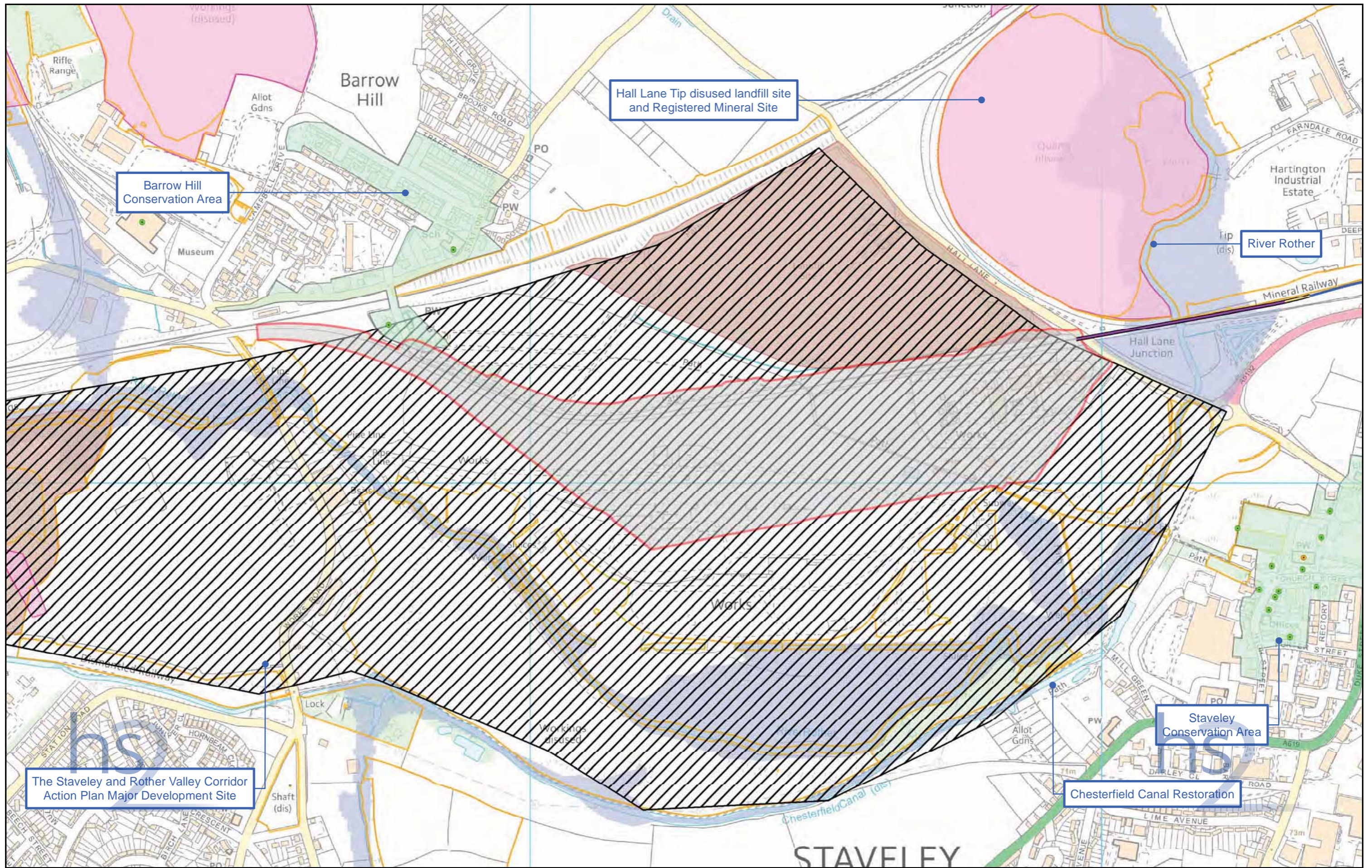
<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> ● Listed Building Grade I ● Listed Building Grade II* ● Listed Building Grade II ■ Scheduled Monument ■ Ramsar Site ■ Special Area of Conservation (SAC) 	<ul style="list-style-type: none"> Special Protection Area (SPA) Site of Special Scientific Interest (SSSI) Registered Park and Garden National Nature Reserve (NNR) Registered Battlefield 	<ul style="list-style-type: none"> Habitat of Principal Importance Ancient Woodland Local Nature Reserve National Trust Ownership National Trail Conservation Area 	<p>Figure Number: EL-KE-20-01</p> <p>Figure Name: Preferred Route to Leeds Key Environmental Features Set 1 of 2</p> <p>Route Name: HSL21 / HSL22 / HSL31</p>	<div style="text-align: center;">  <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> </div> <p>Temple RSK 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>Scale at A3: 1:25,000</p> <div style="text-align: center;">  <p>Kilometers</p> </div> <p style="text-align: right;">Date: 01/11/16</p>
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<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Sustainability Features</p> <ul style="list-style-type: none"> ■ Country Park ■ Agricultural Land Grade 1 ■ Agricultural Land Grade 2 ■ Landfill Site (Disused) ■ Landfill Site (Active) 	<ul style="list-style-type: none"> Major Development Site ■ Flood Zone 2 ■ Flood Zone 3 ■ Groundwater Source Protection Zone 1 ■ Groundwater Source Protection Zone 2 	<p>Figure Number: EL-KE-20-02</p> <p>Figure Name: Preferred Route to Leeds Key Environmental Features Set 2 of 2</p> <p>Route Name: HSL21 / HSL22 / HSL31</p>	<p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Temple RSK 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>Scale at A3: 1:25,000</p> <p>0 0.5 1 Kilometers</p> <p>TEMPLE RSK</p> <p>Drawing No: C331-TRK-EV-MAP-140-000005 Date: 01/11/16</p>
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<p>Route Alignment</p> <ul style="list-style-type: none"> At Grade Cut and Cover Tunnel Cutting Embankment Tunnel Viaduct 	<p>Station Classification</p> <ul style="list-style-type: none"> Construction Boundary Operational Boundary Concourse Car Park Forecourt Platform 	<p>Sustainability Features</p> <ul style="list-style-type: none"> Listed Building Grade II* Listed Building Grade II Conservation Area Major Development Site Habitat of Principal Importance Local Nature Reserve Landfill Site (Disused) Groundwater Source Protection Zone 1 Flood Zone 3 	<p>Figure Number: EL-KE-21-03</p> <p>Figure Name: Key Environmental Features East Midlands Hub High Speed Station</p> <p>Route Name: Eastern Leg Stations</p>	<p> </p> <p> <small>Temple RSK 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.</small> </p> <p> <small>Scale at A3: 1:10,000</small> </p> <p> </p> <p> <small>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</small> </p> <p> Drawing No: C331-TRK-EV-MAP-170-000011 Date: 01/11/16 </p>
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Barrow Hill Conservation Area


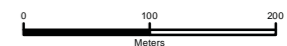
Hall Lane Tip disused landfill site and Registered Mineral Site

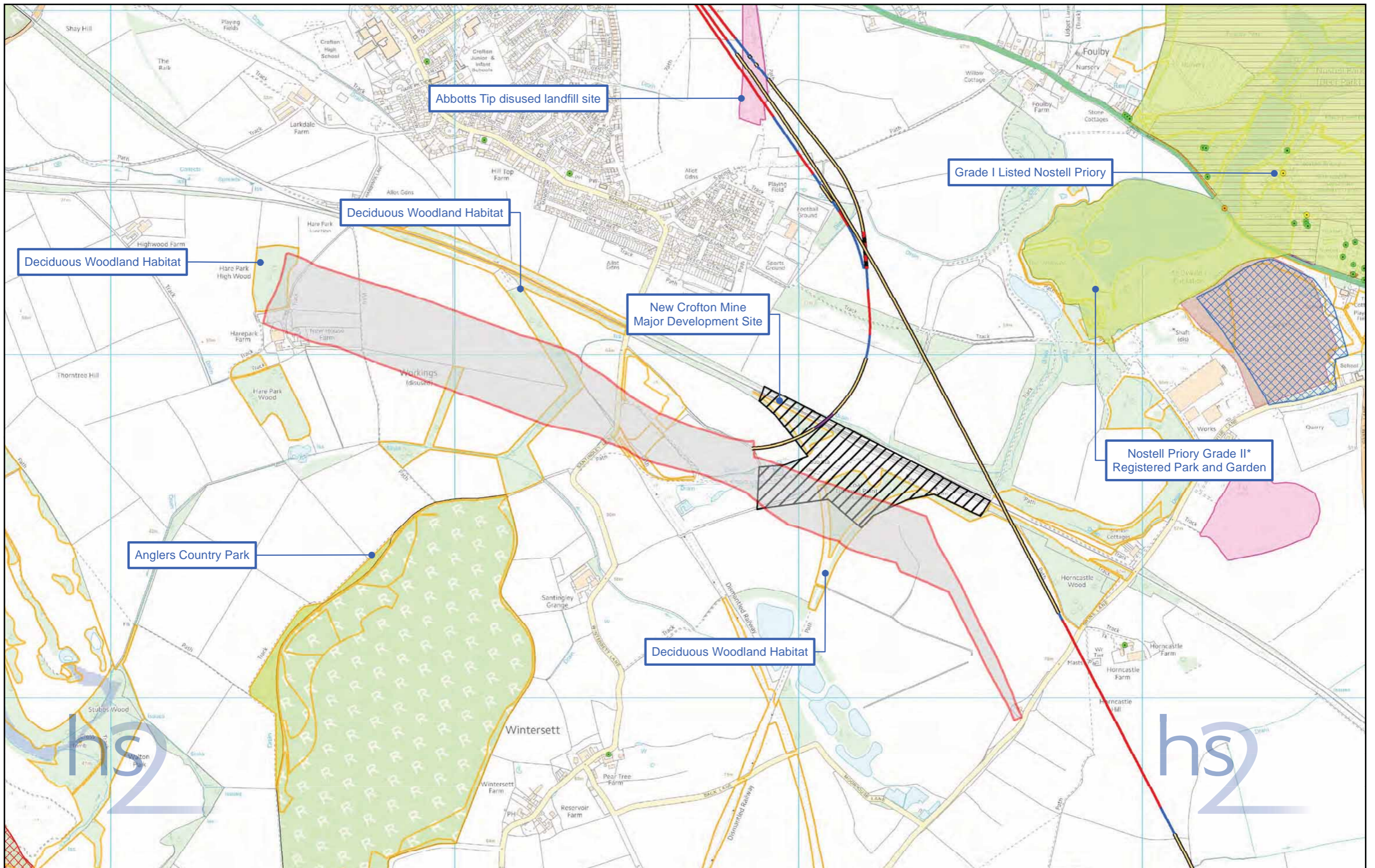
River Rother

Staveley Conservation Area

The Staveley and Rother Valley Corridor Action Plan Major Development Site

Chesterfield Canal Restoration

Route Alignment - At Grade - Cut and Cover Tunnel - Cutting - Embankment - Tunnel - Viaduct	Depot Classification - Operational Boundary	Sustainability Features - Listed Building Grade II* - Listed Building Grade II - Conservation Area - Major Development Site - Habitat of Principal Importance	- Landfill Site (Disused) - Landfill Site (Active) - Flood Zone 3	Figure Number: EL-KE-23-03 Figure Name: Key Environmental Features Staveley Infrastructure Maintenance Depot Route Name: Eastern Leg Depots	 Temple RSK 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. Scale at A3: 1:6,000  © Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190. Drawing No: C331-TRK-EV-MAP-190-000026 Date: 01/11/16
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Route Alignment	Depot Classification	Sustainability Features		
At Grade	Operational Boundary	Listed Building Grade I	Major Development Site	Landfill Site (Disused)
Cut and Cover Tunnel		Listed Building Grade II*	Habitat of Principal Importance	Landfill Site (Active)
Cutting		Listed Building Grade II	Ancient Woodland	Flood Zone 3
Embankment		Scheduled Monument	Local Nature Reserve	
Tunnel		Site of Special Scientific Interest (SSSI)	National Trust Ownership	
Viaduct		Registered Park and Garden	Country Park	

Figure Number:	EL-KE-24-03
Figure Name:	Key Environmental Features New Crofton Rolling Stock Depot
Route Name:	Eastern Leg Depots

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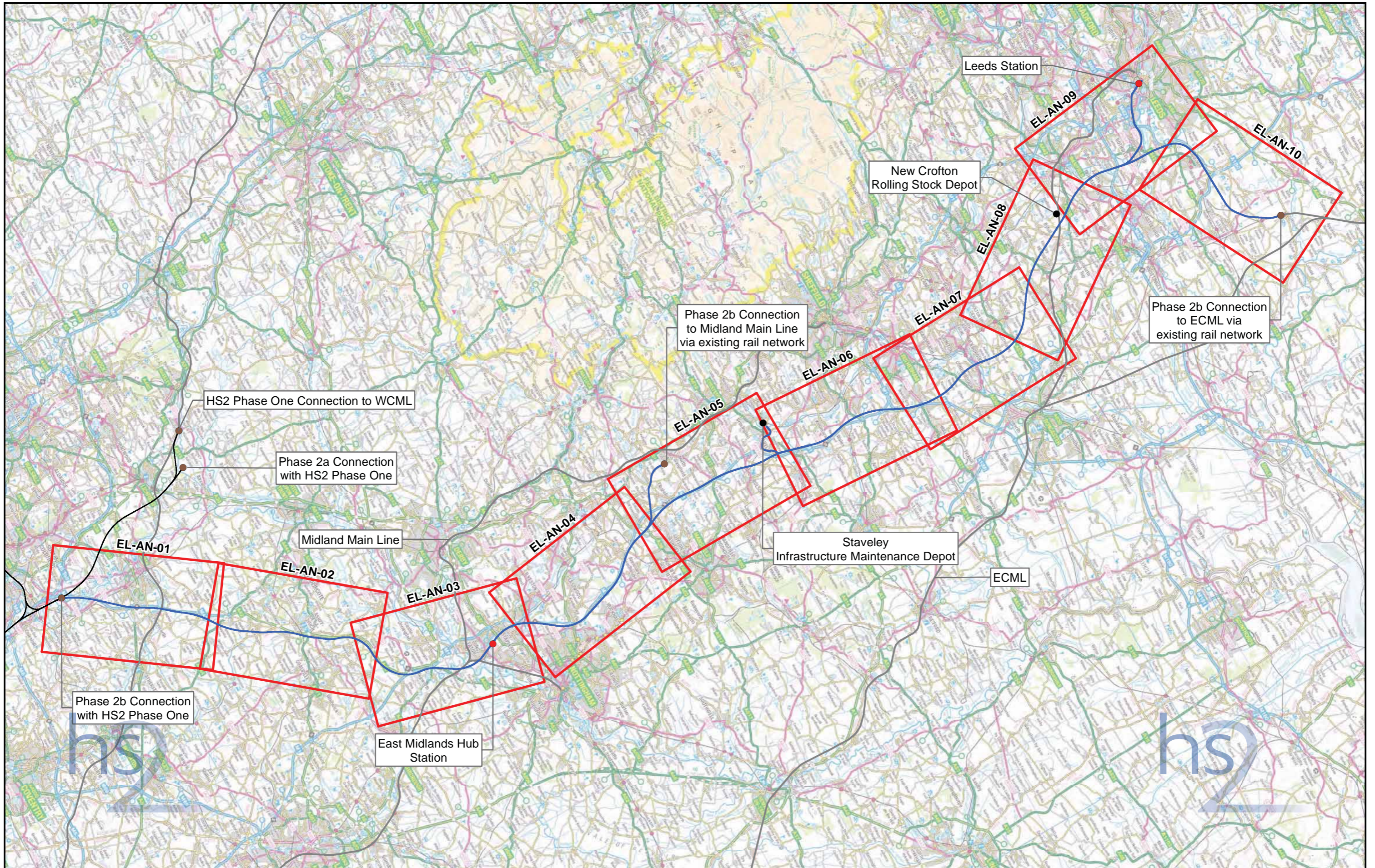
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Drawing No: C331-TRK-EV-MAP-195-000003 Date: 01/11/16

Eastern Leg – Leeds

Residential Airborne Noise Mapping

Sets 1 and 2: without and including additional mitigation




- Route Alignment**
- Preferred Route to Leeds
 - Connection
 - Depot
 - Station
 - HS2 Phase One
 - Existing Rail Network
 - Map Window

Figure Number: EL-AN-INDEX

Figure Name: Map Index Overview Preferred Route to Leeds Residential Airborne Noise Appraisal


Route Name: Eastern Leg




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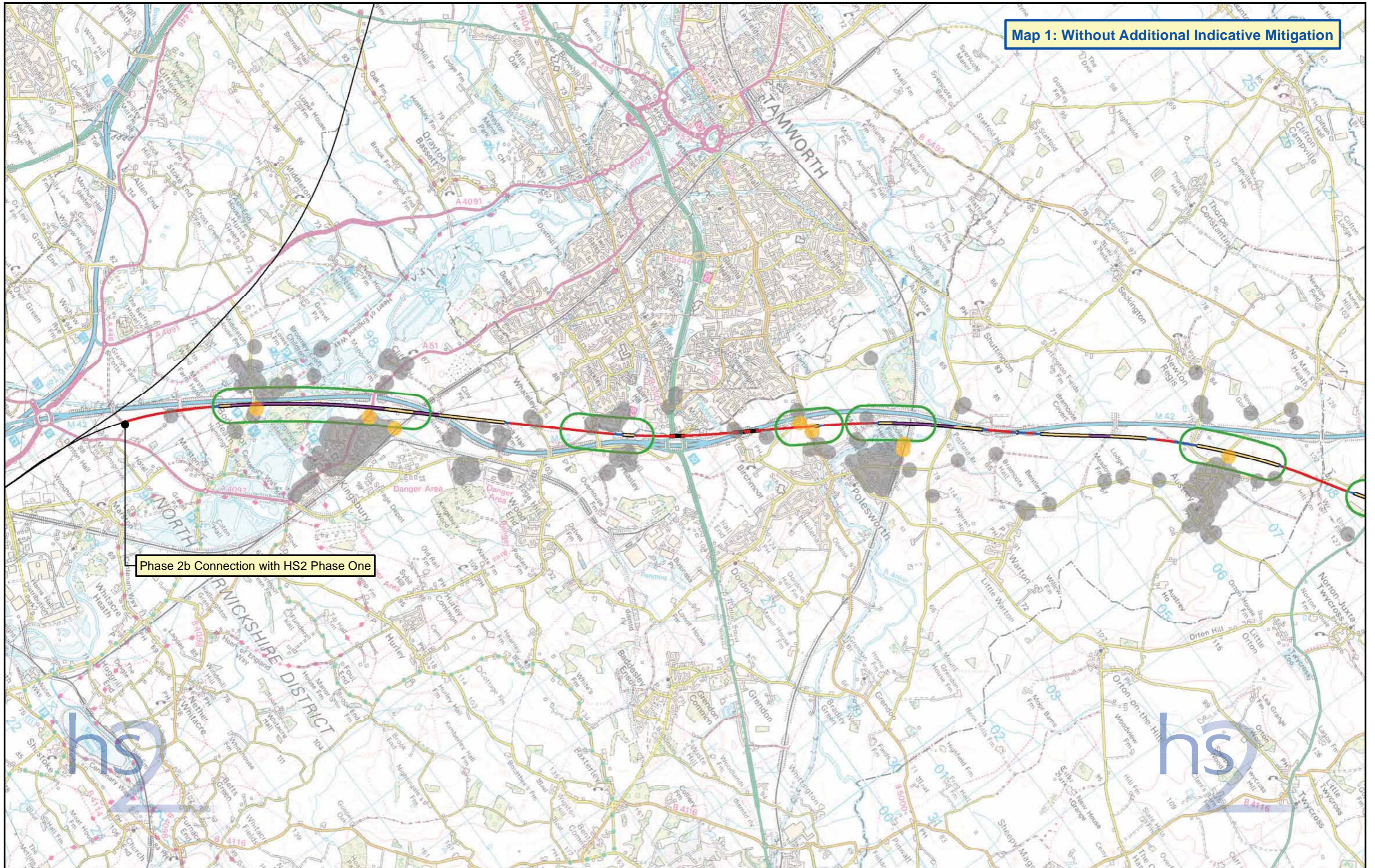
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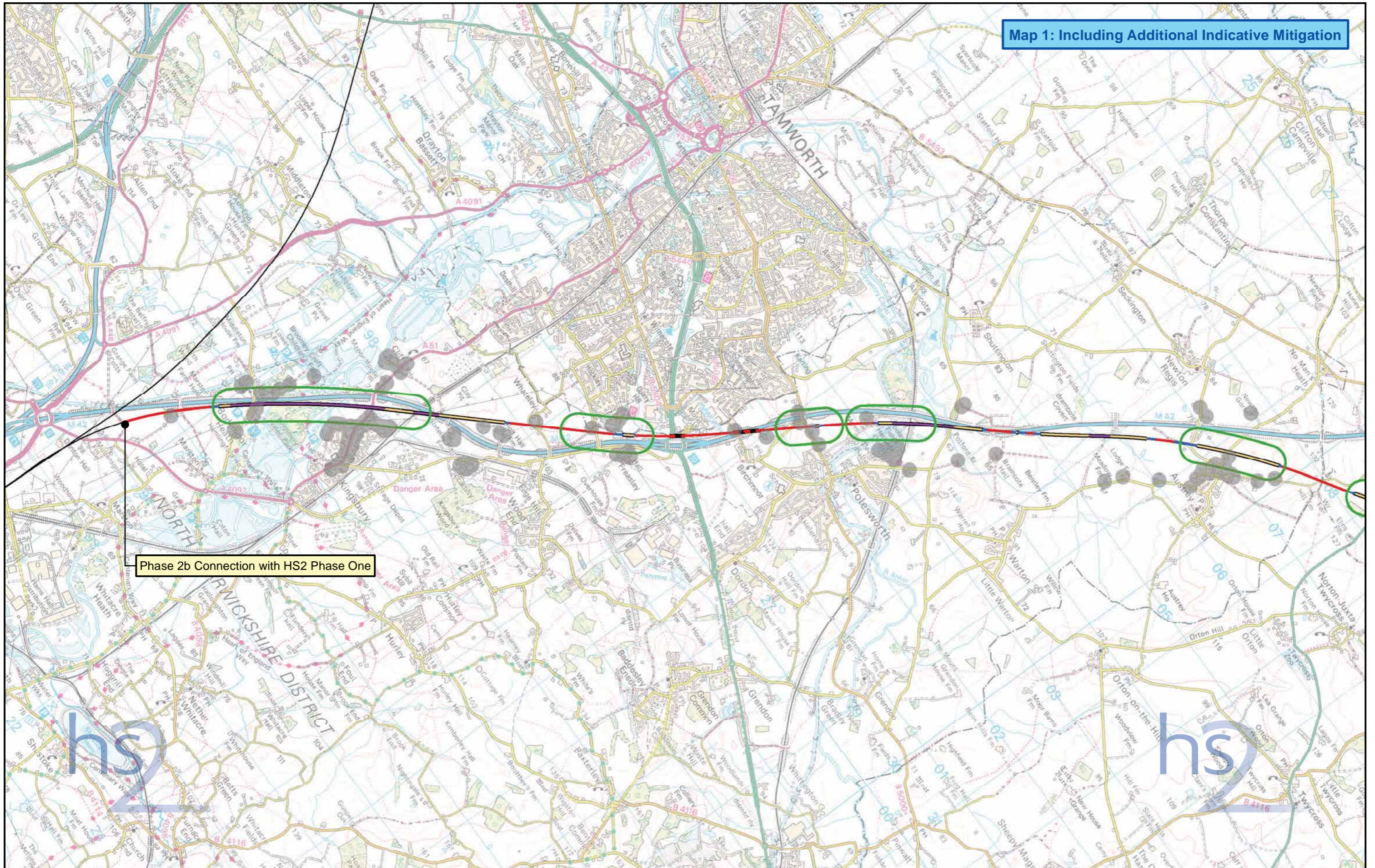
Map 1: Without Additional Indicative Mitigation






Phase 2b Connection with HS2 Phase One

<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Eastern Leg Station or Depot</p> <ul style="list-style-type: none"> Operational Boundary 	<p>Without Additional Indicative Mitigation, Areas Where Dwellings:</p> <ul style="list-style-type: none"> ● Potentially Experience High Noise Levels ● Are Potentially Eligible for Noise Insulation ● Potentially Experience a Noticeable Noise Increase 	<ul style="list-style-type: none"> Preliminary Candidate Area for Mitigation 	<p>Figure Number: EL-AN-01-01</p> <p>Figure Name: Residential Airborne Noise Appraisal Preferred Route to Leeds Without Additional Indicative Mitigation</p> <p>Route Name: HSL01 / HSL06</p>	<div style="text-align: right;">  <p>Temple RSK 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>Scale at A3: 1:50,000</p>  <p>Kilometers</p> </div> <div style="text-align: right;">  </div> <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-110-000033 Date: 01/11/16</p>
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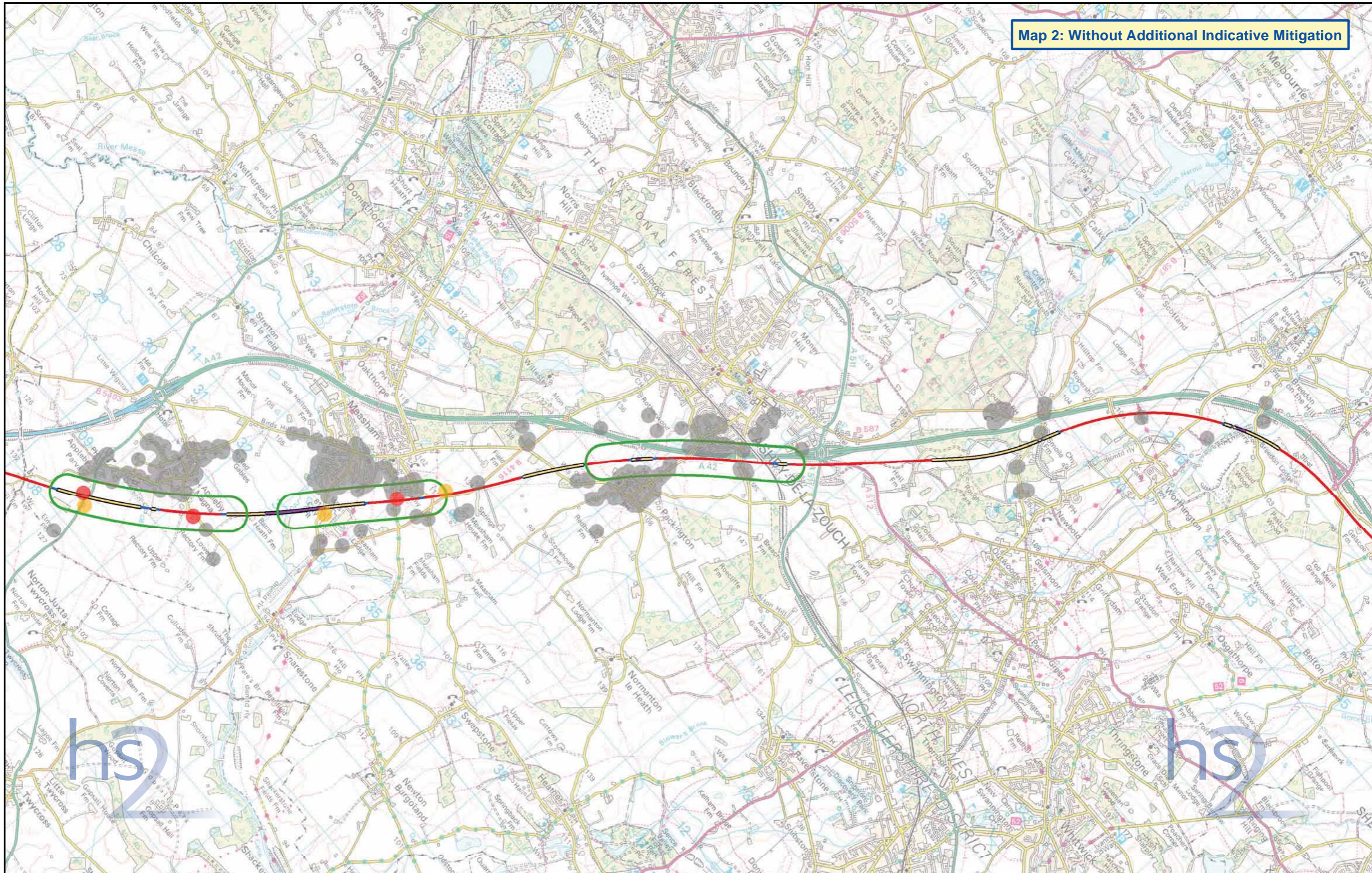
Map 1: Including Additional Indicative Mitigation





Phase 2b Connection with HS2 Phase One

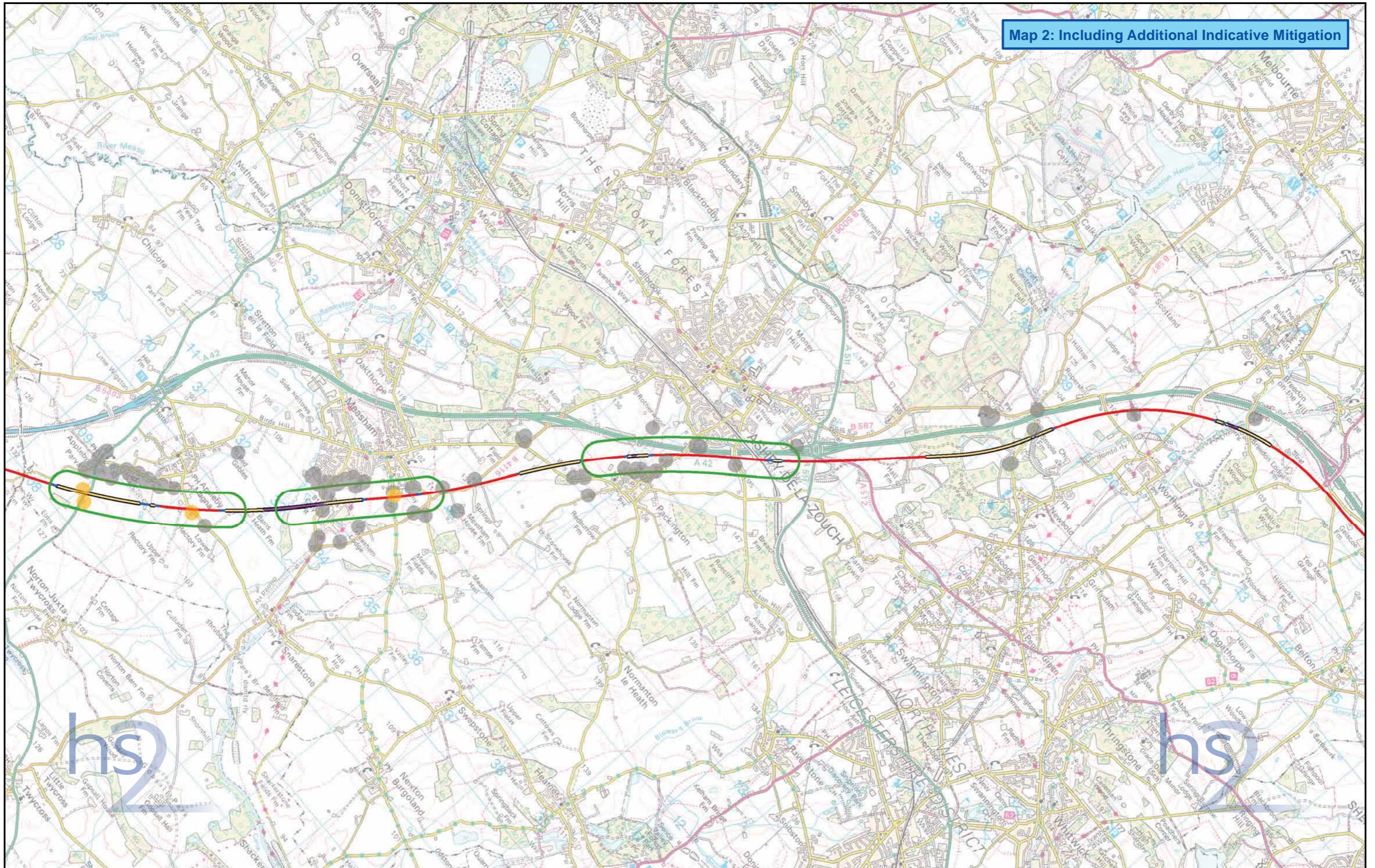
<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Eastern Leg Station or Depot</p> <ul style="list-style-type: none"> Operational Boundary 	<p>Including Additional Indicative Mitigation, Areas Where Dwellings:</p> <ul style="list-style-type: none"> ● Potentially Experience High Noise Levels ● Are Potentially Eligible for Noise Insulation ● Potentially Experience a Noticeable Noise Increase 	<ul style="list-style-type: none"> Preliminary Candidate Area for Mitigation 	<p>Figure Number: EL-AN-01-02</p> <p>Figure Name: Residential Airborne Noise Appraisal Preferred Route to Leeds Including Additional Indicative Mitigation</p> <p>Route Name: HSL01 / HSL06</p>	<div style="text-align: right;">  <p>Temple RSK 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>Scale at A3: 1:50,000</p>  <p>Kilometers</p> </div> <div style="text-align: right;">  </div> <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-110-000034 Date: 01/11/16</p>
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Map 2: Without Additional Indicative Mitigation



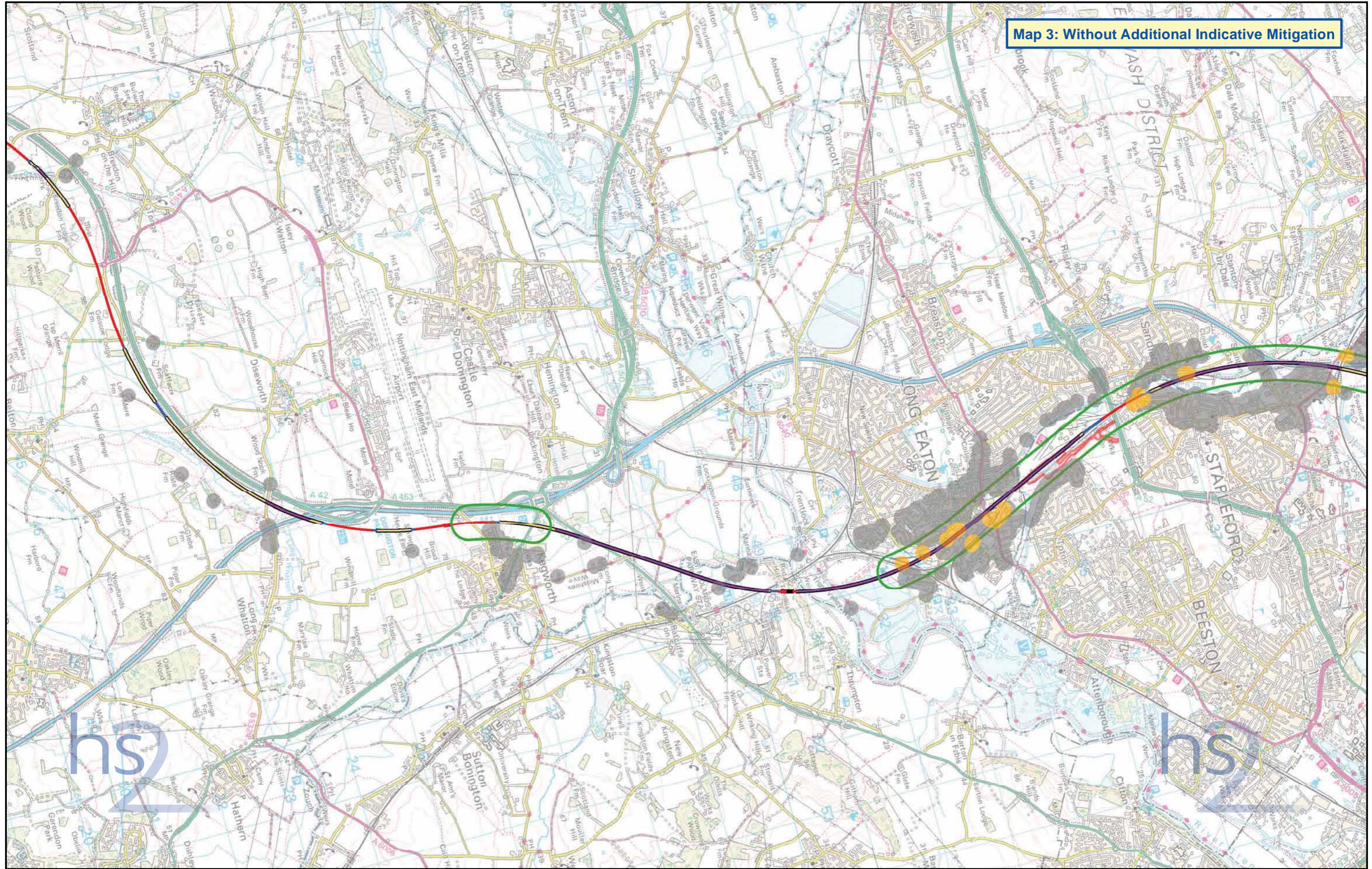
<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Eastern Leg Station or Depot</p> <ul style="list-style-type: none"> Operational Boundary 	<p>Without Additional Indicative Mitigation, Areas Where Dwellings:</p> <ul style="list-style-type: none"> ● Potentially Experience High Noise Levels ● Are Potentially Eligible for Noise Insulation ● Potentially Experience a Noticeable Noise Increase 	<ul style="list-style-type: none"> Preliminary Candidate Area for Mitigation 	<p>Figure Number: EL-AN-02-01</p> <p>Figure Name: Residential Airborne Noise Appraisal Preferred Route to Leeds Without Additional Indicative Mitigation</p> <p>Route Name: HSL06 / HSL09A</p>	<div style="text-align: center;">  <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> </div> <p>Temple RSK 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>Scale at A3: 1:50,000</p> <div style="text-align: center;">  <p>Kilometers</p> </div> <p>Drawing No: C331-TRK-EV-MAP-110-000035 Date: 01/11/16</p>
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Map 2: Including Additional Indicative Mitigation



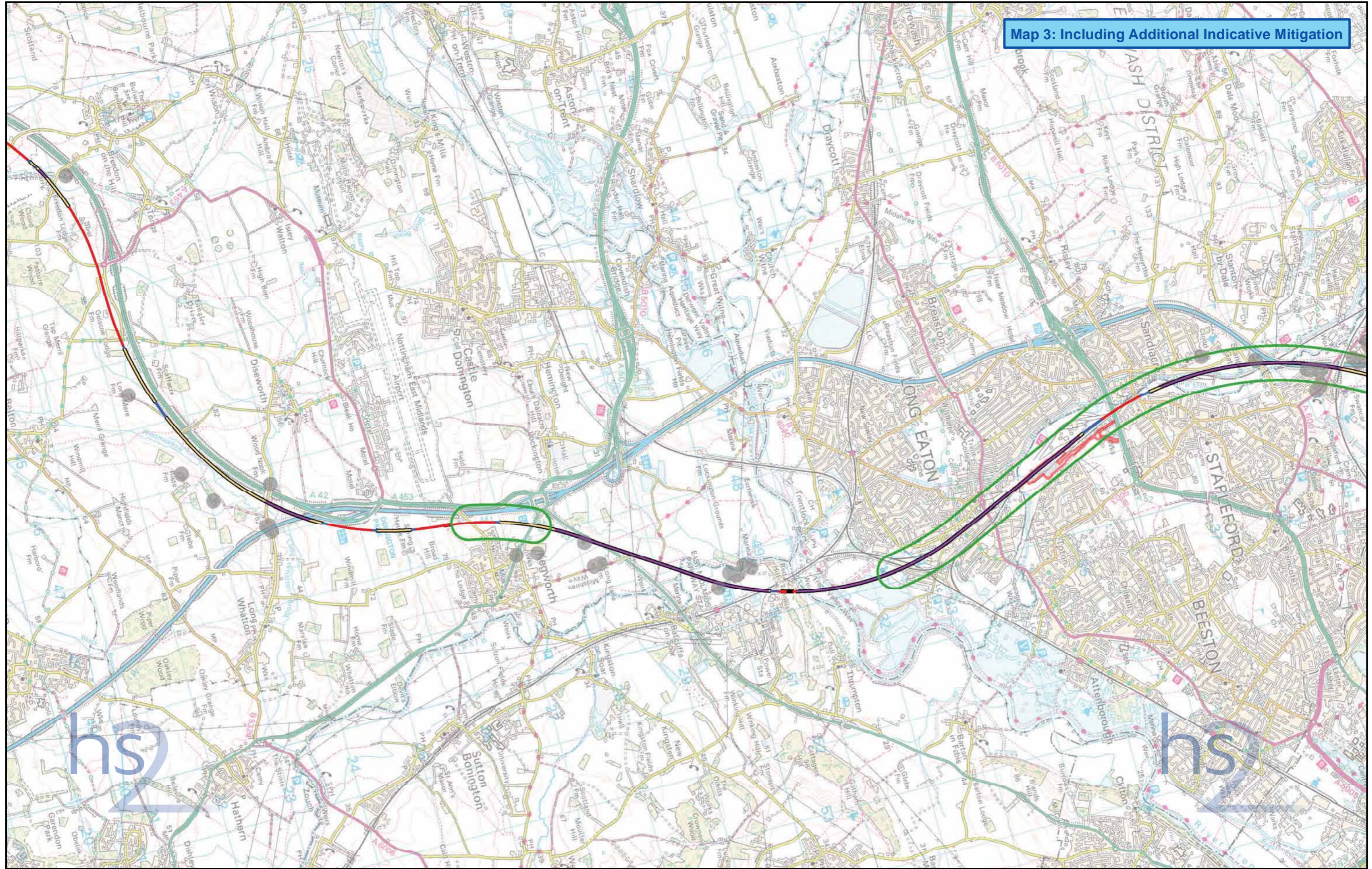
<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Eastern Leg Station or Depot</p> <ul style="list-style-type: none"> Operational Boundary 	<p>Including Additional Indicative Mitigation, Areas Where Dwellings:</p> <ul style="list-style-type: none"> ● Potentially Experience High Noise Levels ● Are Potentially Eligible for Noise Insulation ● Potentially Experience a Noticeable Noise Increase 	<p> Preliminary Candidate Area for Mitigation</p>	<p>Figure Number: EL-AN-02-02</p> <p>Figure Name: Residential Airborne Noise Appraisal Preferred Route to Leeds Including Additional Indicative Mitigation</p> <p>Route Name: HSL06 / HSL09A</p>	<div style="text-align: center;">  <p>Temple RSK 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>Scale at A3: 1:50,000</p>  </div> <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-110-000036 Date: 01/11/16</p>
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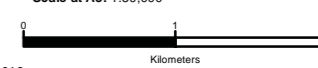

Map 3: Without Additional Indicative Mitigation



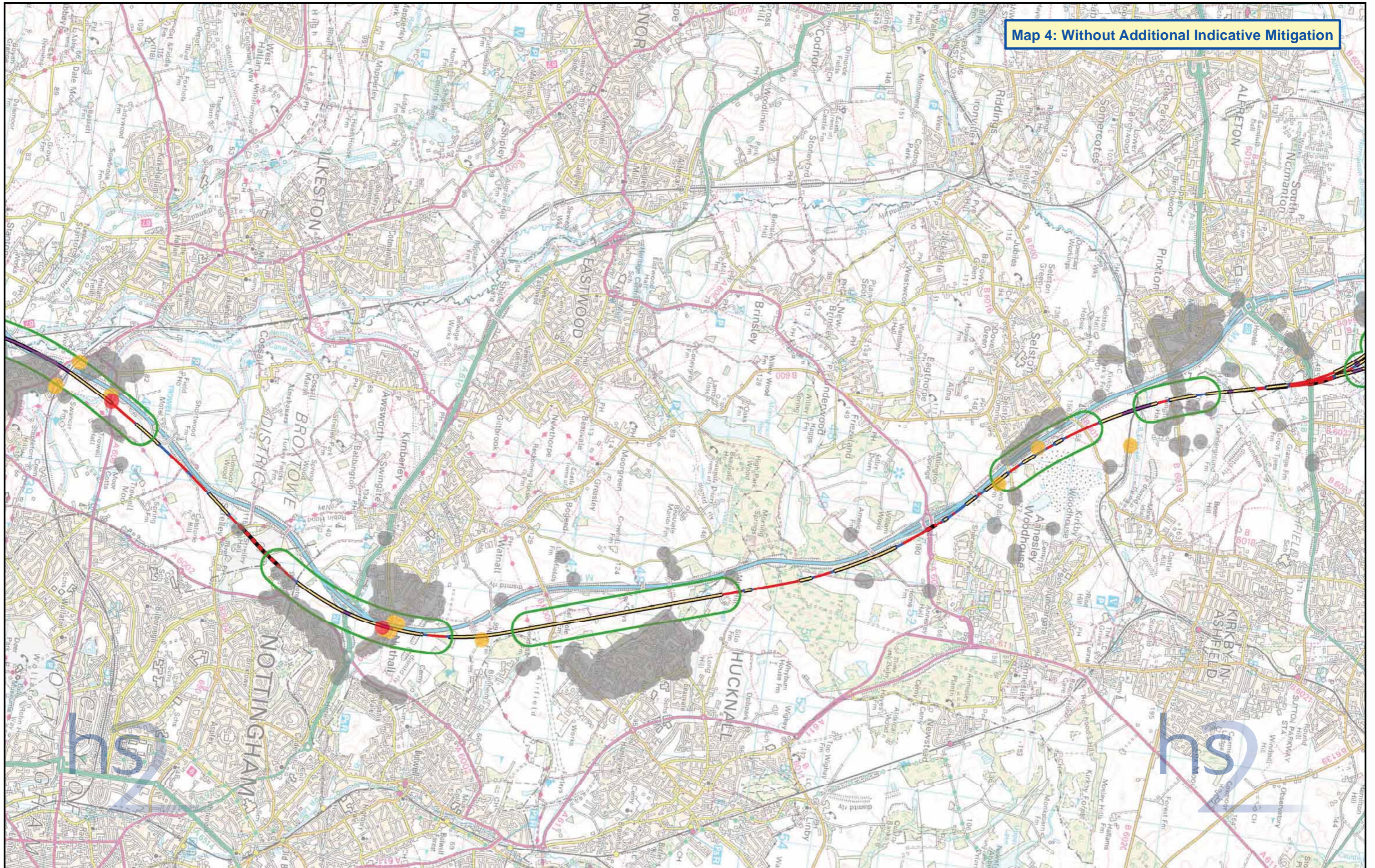
<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Eastern Leg Station or Depot</p> <ul style="list-style-type: none"> Operational Boundary 	<p>Without Additional Indicative Mitigation, Areas Where Dwellings:</p> <ul style="list-style-type: none"> ● Potentially Experience High Noise Levels ● Are Potentially Eligible for Noise Insulation ● Potentially Experience a Noticeable Noise Increase 	<ul style="list-style-type: none"> Preliminary Candidate Area for Mitigation 	<p>Figure Number: EL-AN-03-01</p> <p>Figure Name: Residential Airborne Noise Appraisal Preferred Route to Leeds Without Additional Indicative Mitigation</p> <p>Route Name: HSL09A / HSL09B / HSL12 / HSL13A</p>	<div style="text-align: right;">  <p>Temple RSK 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>Scale at A3: 1:50,000</p> <p>Kilometers</p> </div> <div style="text-align: right;">  </div> <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-110-000037 Date: 01/11/16</p>
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Map 3: Including Additional Indicative Mitigation



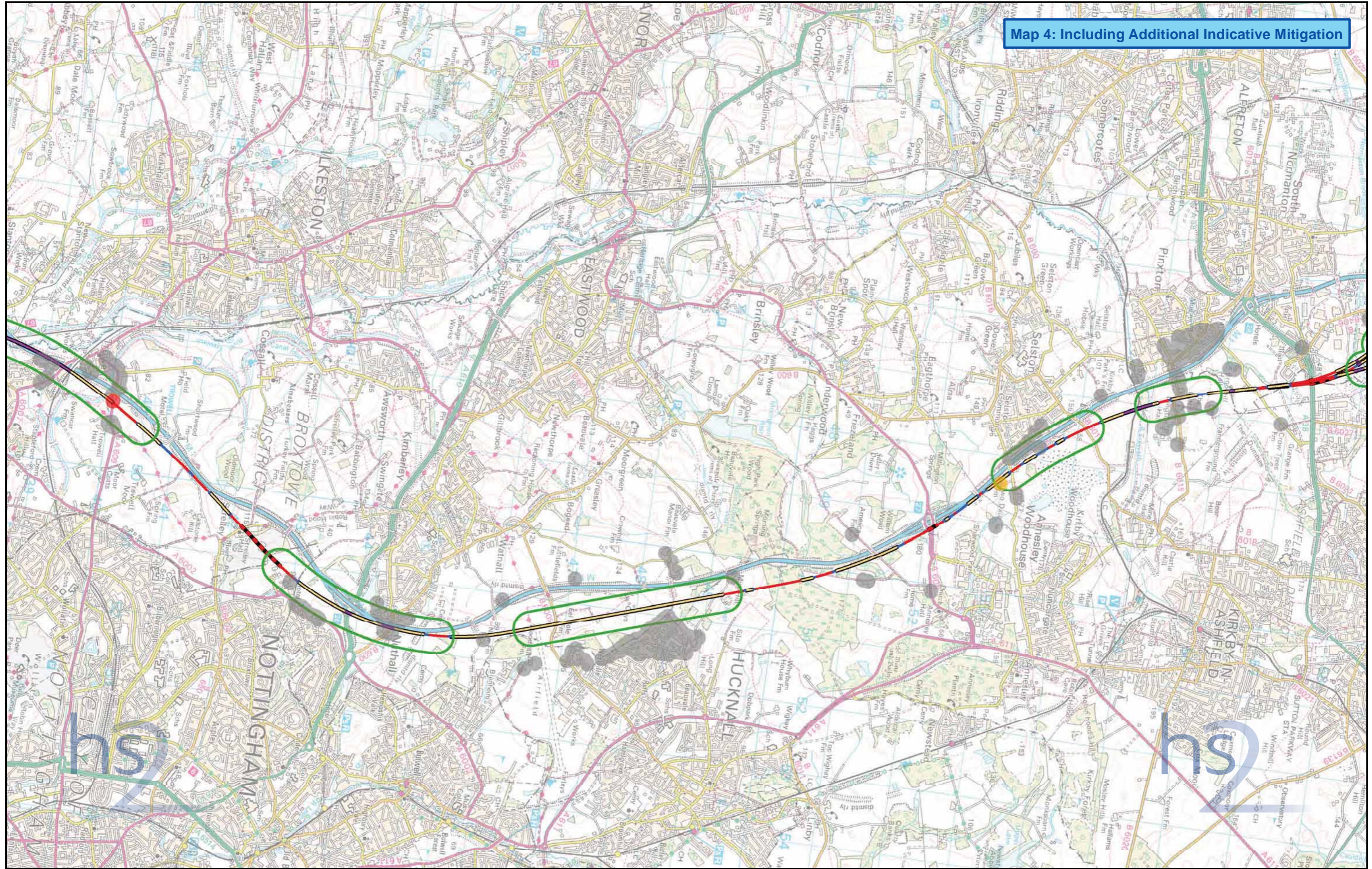
<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Eastern Leg Station or Depot</p> <ul style="list-style-type: none"> Operational Boundary 	<p>Including Additional Indicative Mitigation, Areas Where Dwellings:</p> <ul style="list-style-type: none"> ● Potentially Experience High Noise Levels ● Are Potentially Eligible for Noise Insulation ● Potentially Experience a Noticeable Noise Increase 	<ul style="list-style-type: none"> Preliminary Candidate Area for Mitigation 	<p>Figure Number: EL-AN-03-02</p> <p>Figure Name: Residential Airborne Noise Appraisal Preferred Route to Leeds Including Additional Indicative Mitigation</p> <p>Route Name: HSL09A / HSL09B / HSL12 / HSL13A</p>	<div style="text-align: right;">  <p>Temple RSK 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>Scale at A3: 1:50,000</p>  </div> <div style="text-align: right;">  <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-110-000038 Date: 01/11/16</p> </div>
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Map 4: Without Additional Indicative Mitigation



<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Eastern Leg Station or Depot</p> <ul style="list-style-type: none"> Operational Boundary 	<p>Without Additional Indicative Mitigation, Areas Where Dwellings:</p> <ul style="list-style-type: none"> ● Potentially Experience High Noise Levels ● Are Potentially Eligible for Noise Insulation ● Potentially Experience a Noticeable Noise Increase 	<ul style="list-style-type: none"> Preliminary Candidate Area for Mitigation 	<p>Figure Number: EL-AN-04-01</p> <p>Figure Name: Residential Airborne Noise Appraisal Preferred Route to Leeds Without Additional Indicative Mitigation</p> <p>Route Name: HSL13A / HSL15A</p>	<div style="text-align: right;">  <p>Temple RSK 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>Scale at A3: 1:50,000</p>  </div> <div style="text-align: right;">  </div> <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-120-000044 Date: 01/11/16</p>
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Map 4: Including Additional Indicative Mitigation




<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Eastern Leg Station or Depot</p> <ul style="list-style-type: none"> Operational Boundary 	<p>Including Additional Indicative Mitigation, Areas Where Dwellings:</p> <ul style="list-style-type: none"> ● Potentially Experience High Noise Levels ● Are Potentially Eligible for Noise Insulation ● Potentially Experience a Noticeable Noise Increase 	<p> Preliminary Candidate Area for Mitigation</p>
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Figure Number: EL-AN-04-02


Figure Name: Residential Airborne Noise Appraisal Preferred Route to Leeds Including Additional Indicative Mitigation


Route Name: HSL13A / HSL15A



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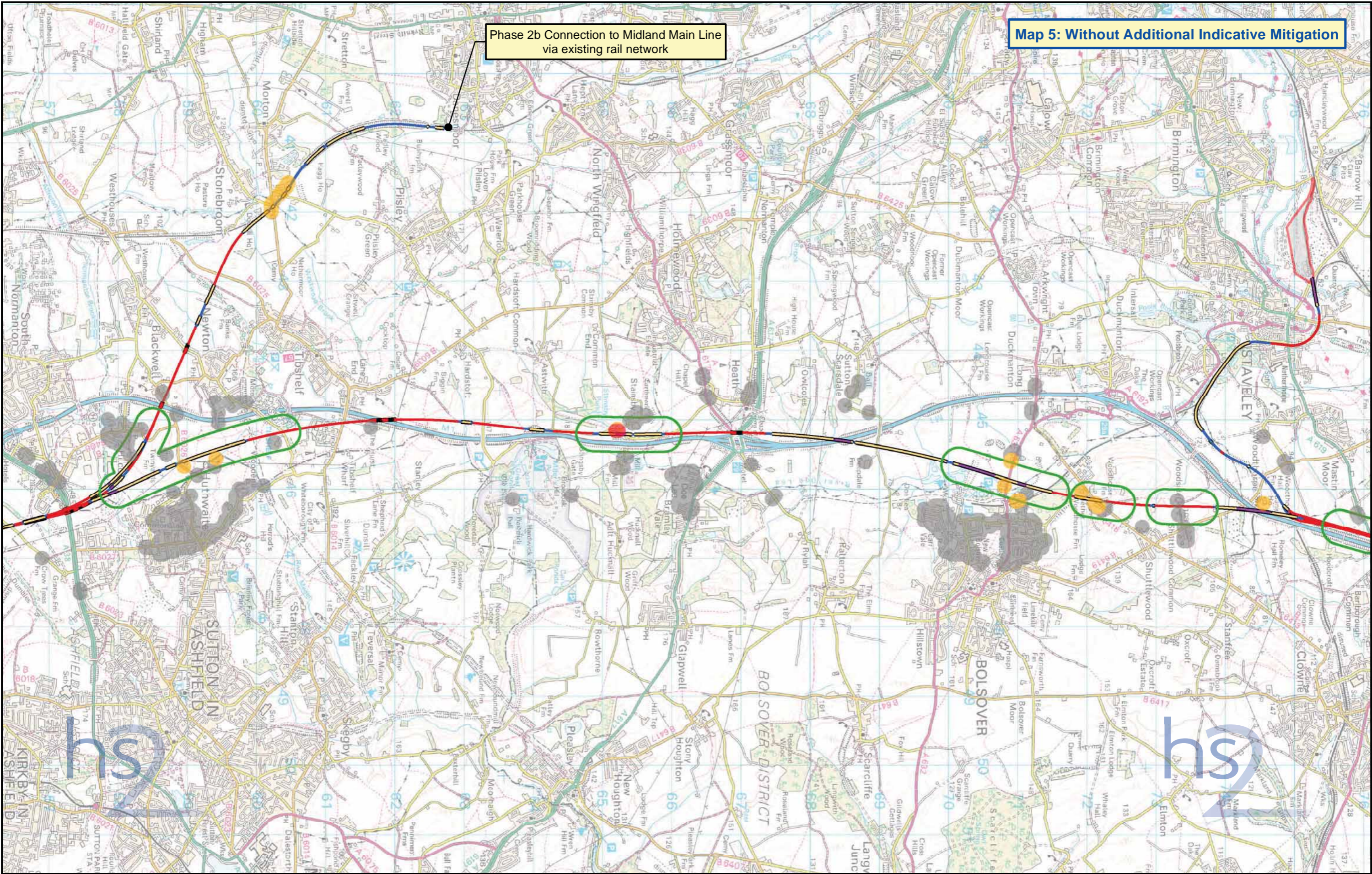




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Map 5: Without Additional Indicative Mitigation

Phase 2b Connection to Midland Main Line via existing rail network



- Route Alignment**
- At Grade
 - Cut and Cover Tunnel
 - Cutting
 - Embankment
 - Tunnel
 - Viaduct

- Eastern Leg Station or Depot**
- Operational Boundary

- Without Additional Indicative Mitigation, Areas Where Dwellings:**
- Potentially Experience High Noise Levels
 - Are Potentially Eligible for Noise Insulation
 - Potentially Experience a Noticeable Noise Increase

- Preliminary Candidate Area for Mitigation

Figure Number: EL-AN-05-01

Figure Name: Residential Airborne Noise Appraisal Preferred Route to Leeds Without Additional Indicative Mitigation

Route Name: HSL13A / HSL13B / HSL15A

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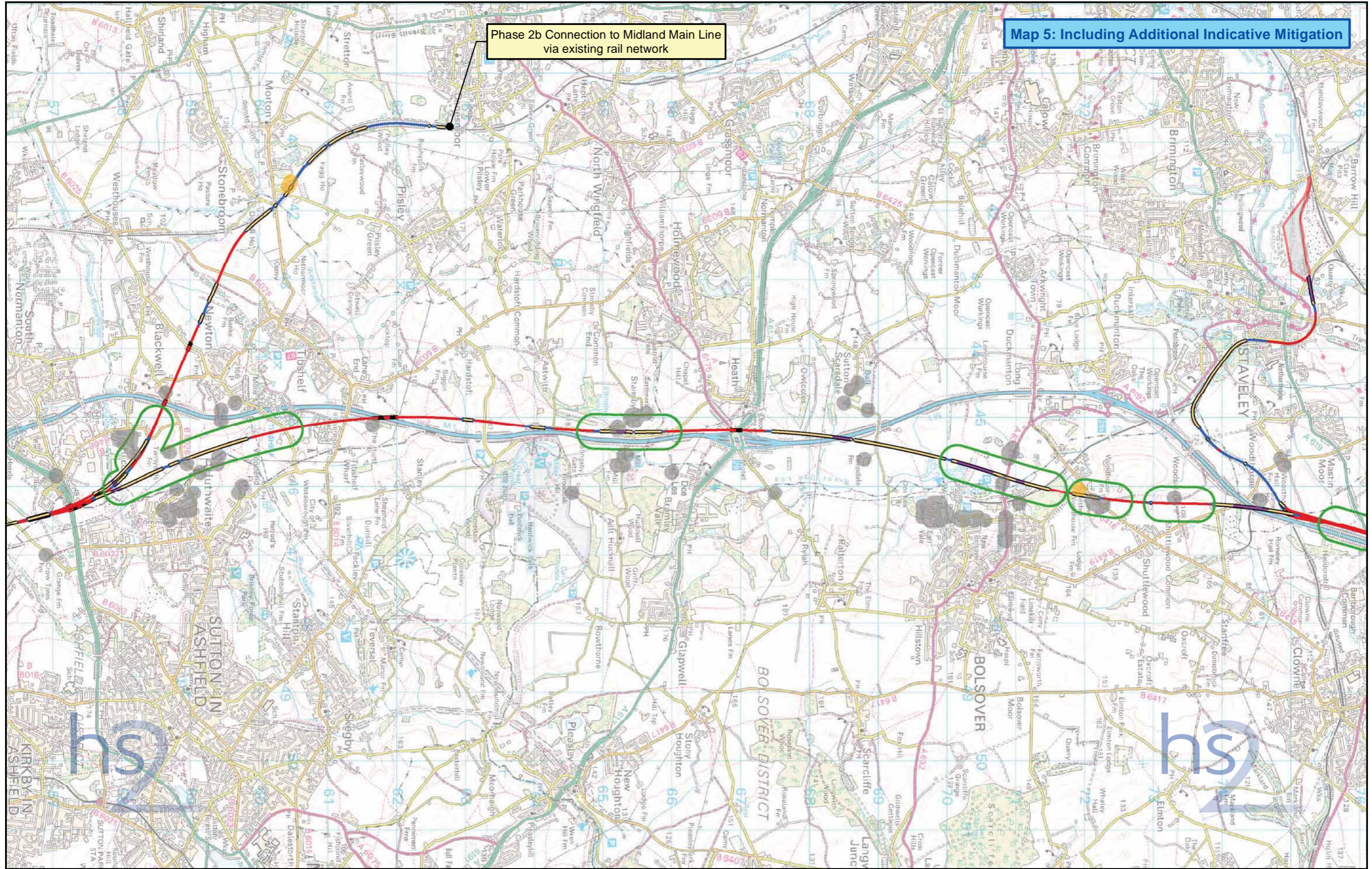
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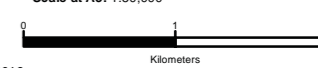

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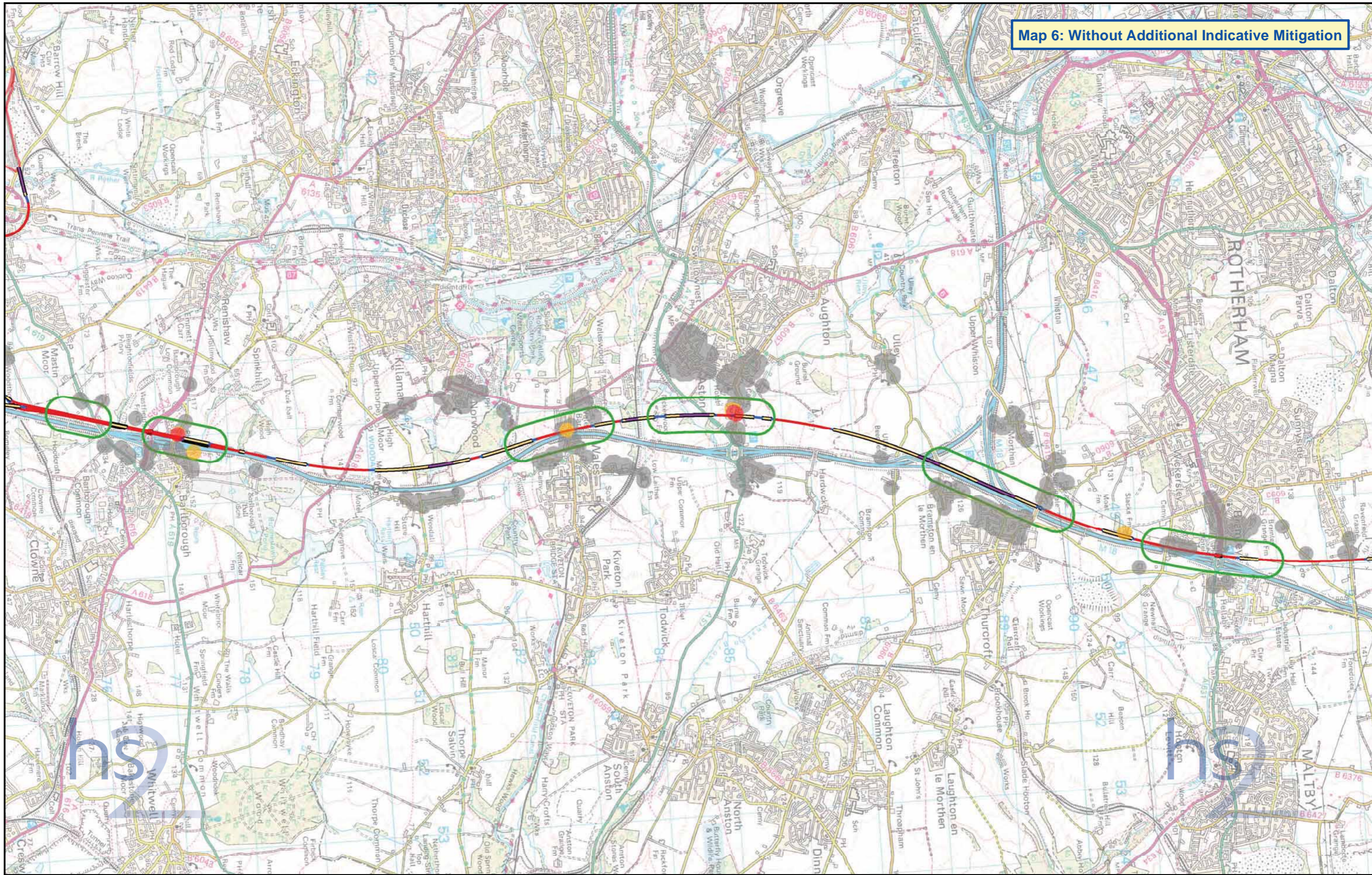
Map 5: Including Additional Indicative Mitigation



Phase 2b Connection to Midland Main Line via existing rail network



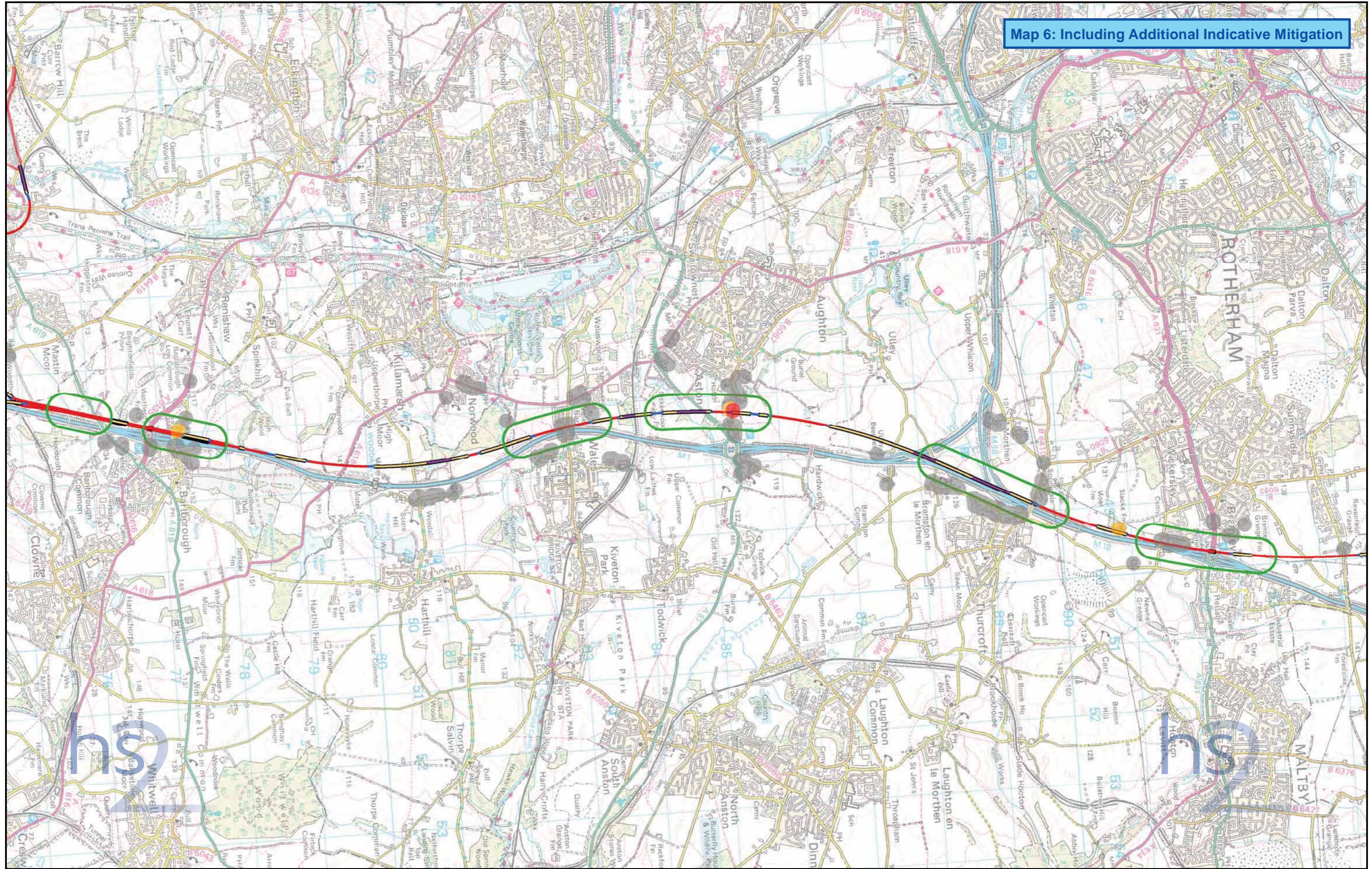
<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Eastern Leg Station or Depot</p> <ul style="list-style-type: none"> Operational Boundary 	<p>Including Additional Indicative Mitigation, Areas Where Dwellings:</p> <ul style="list-style-type: none"> ● Potentially Experience High Noise Levels ● Are Potentially Eligible for Noise Insulation ● Potentially Experience a Noticeable Noise Increase 	<p> Preliminary Candidate Area for Mitigation</p>	<p>Figure Number: EL-AN-05-02</p> <p>Figure Name: Residential Airborne Noise Appraisal Preferred Route to Leeds Including Additional Indicative Mitigation</p> <p>Route Name: HSL13A / HSL13B / HSL15A</p>	<div style="text-align: right;">  <p>Temple RSK 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>Scale at A3: 1:50,000</p>  </div> <div style="text-align: right;">  </div> <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-120-000047 Date: 01/11/16</p>
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Map 6: Without Additional Indicative Mitigation



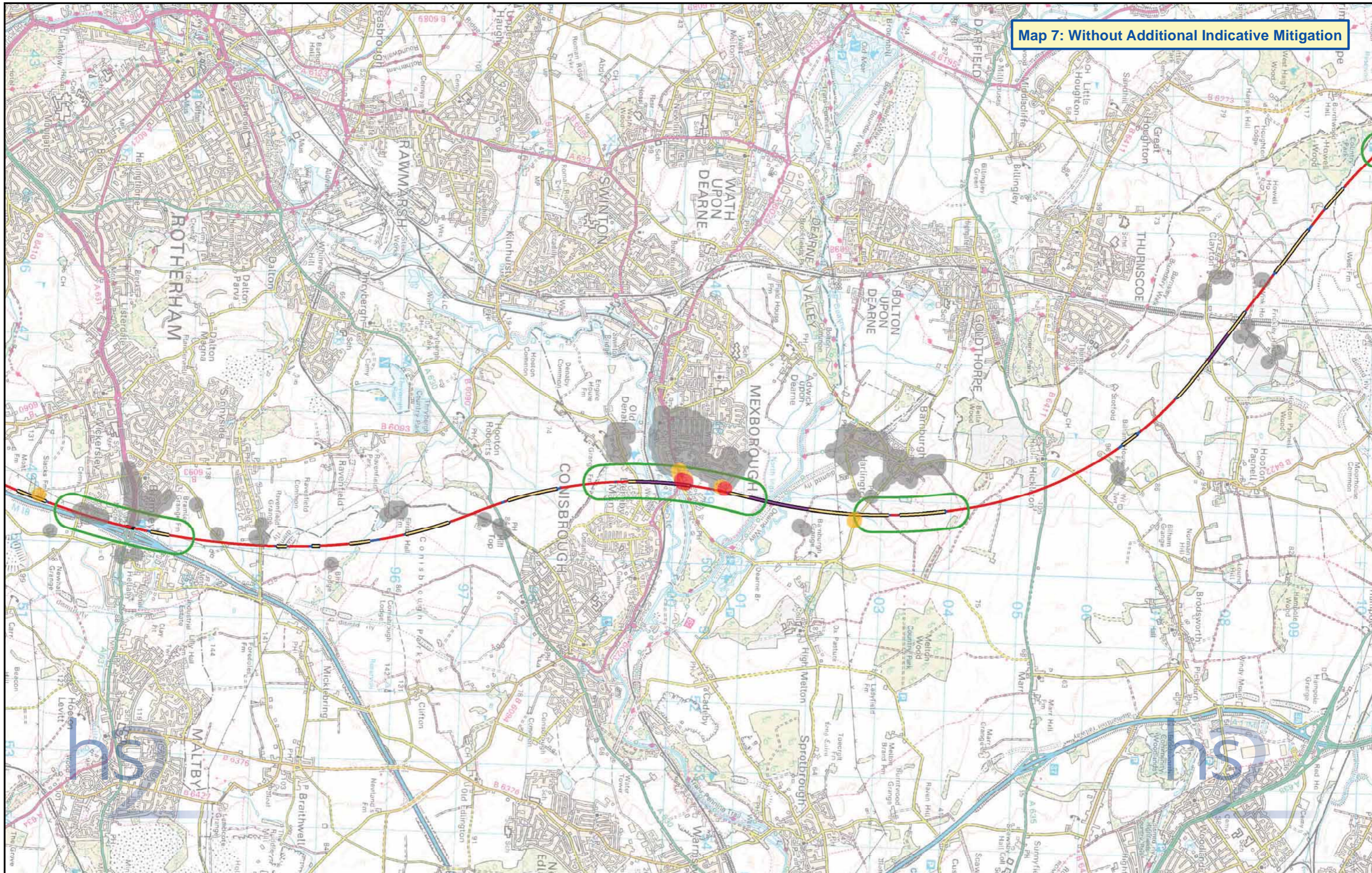
<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Eastern Leg Station or Depot</p> <ul style="list-style-type: none"> Operational Boundary 	<p>Without Additional Indicative Mitigation, Areas Where Dwellings:</p> <ul style="list-style-type: none"> ● Potentially Experience High Noise Levels ● Are Potentially Eligible for Noise Insulation ● Potentially Experience a Noticeable Noise Increase 	<p> Preliminary Candidate Area for Mitigation</p>	<p>Figure Number: EL-AN-06-01</p> <p>Figure Name: Residential Airborne Noise Appraisal Preferred Route to Leeds Without Additional Indicative Mitigation</p> <p>Route Name: HSL13B / HSL14</p>	<div style="text-align: right;">  </div> <p>Temple RSK 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>Scale at A3: 1:50,000</p>  <p>Kilometers</p> <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-120-000048 Date: 01/11/16</p>
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Map 6: Including Additional Indicative Mitigation



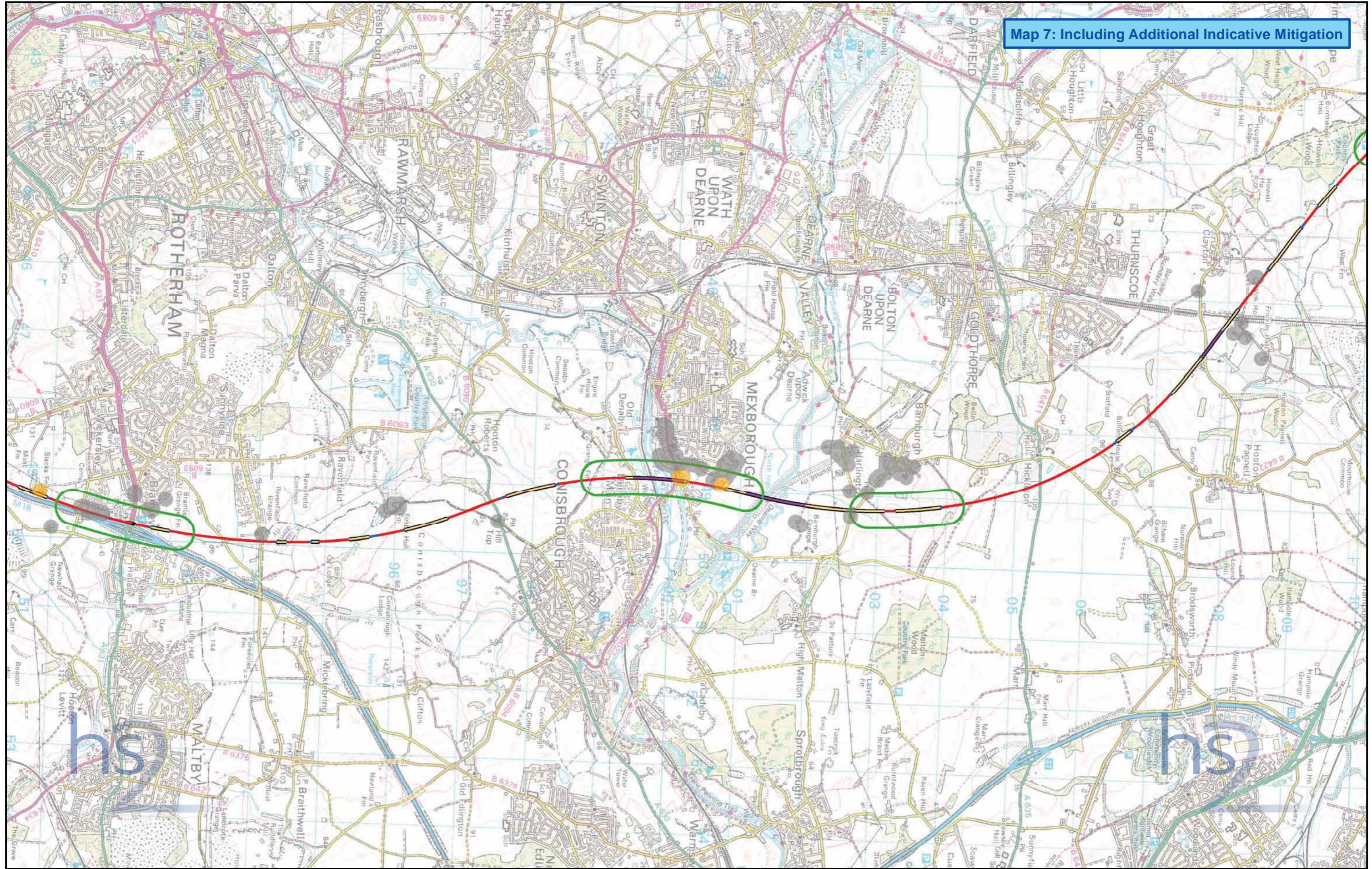
<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Eastern Leg Station or Depot</p> <ul style="list-style-type: none"> Operational Boundary 	<p>Including Additional Indicative Mitigation, Areas Where Dwellings:</p> <ul style="list-style-type: none"> ● Potentially Experience High Noise Levels ● Are Potentially Eligible for Noise Insulation ● Potentially Experience a Noticeable Noise Increase 	<p> Preliminary Candidate Area for Mitigation</p>	<p>Figure Number: EL-AN-06-02</p> <p>Figure Name: Residential Airborne Noise Appraisal Preferred Route to Leeds Including Additional Indicative Mitigation</p> <p>Route Name: HSL13B / HSL14</p>	<div style="text-align: right;">  </div> <p>Temple RSK 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>Scale at A3: 1:50,000</p>  <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-120-000049 Date: 01/11/16</p>
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Map 7: Without Additional Indicative Mitigation



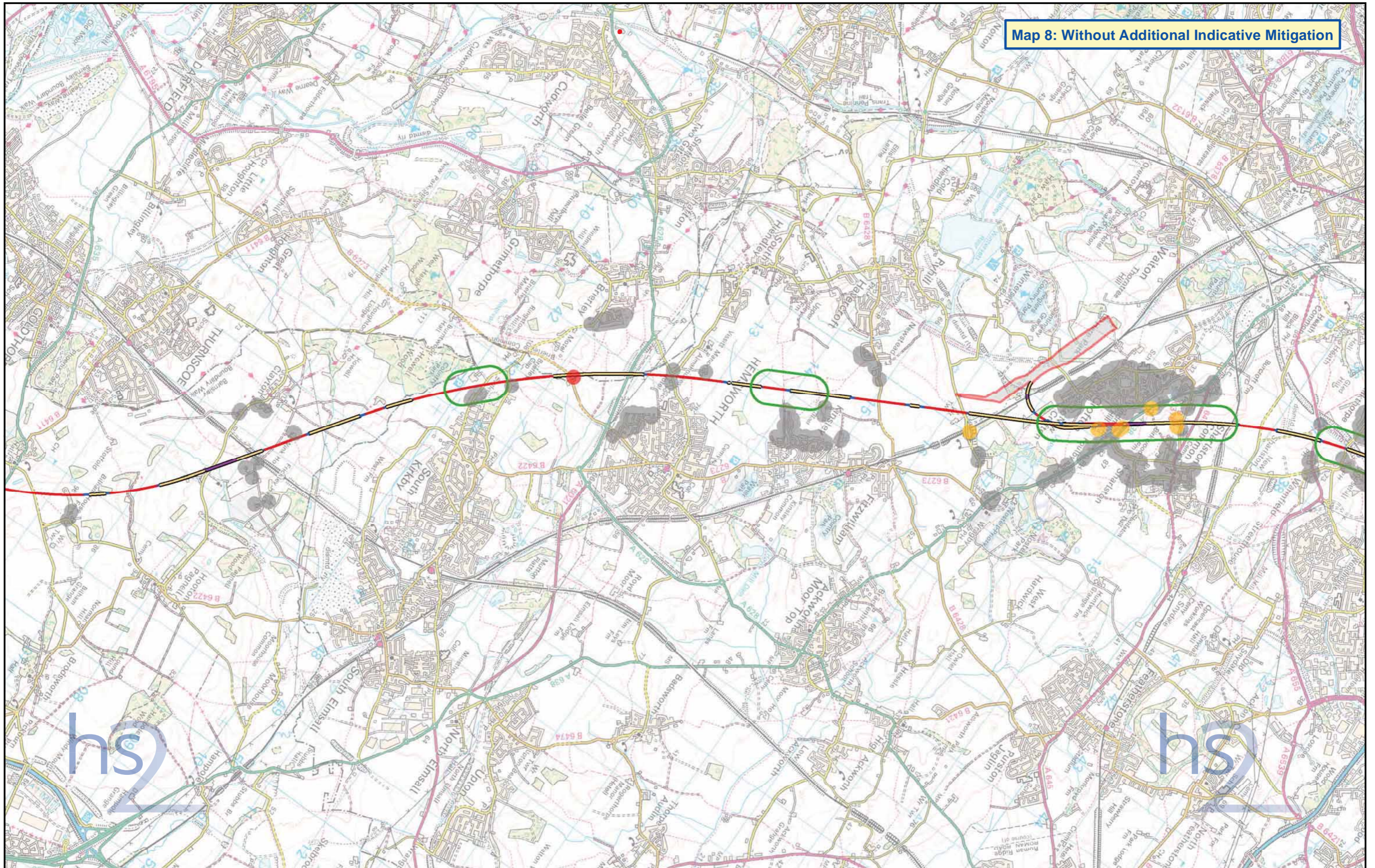
<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Eastern Leg Station or Depot</p> <ul style="list-style-type: none"> Operational Boundary 	<p>Without Additional Indicative Mitigation, Areas Where Dwellings:</p> <ul style="list-style-type: none"> ● Potentially Experience High Noise Levels ● Are Potentially Eligible for Noise Insulation ● Potentially Experience a Noticeable Noise Increase 	<ul style="list-style-type: none"> Preliminary Candidate Area for Mitigation 	<p>Figure Number: EL-AN-07-01</p> <p>Figure Name: Residential Airborne Noise Appraisal Preferred Route to Leeds Without Additional Indicative Mitigation</p> <p>Route Name: HSL14 / HSL16</p>	<div style="text-align: right;">  <p>Temple RSK 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>Scale at A3: 1:50,000</p>  </div> <div style="text-align: right;">  </div> <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-130-000058 Date: 01/11/16</p>
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Map 7: Including Additional Indicative Mitigation



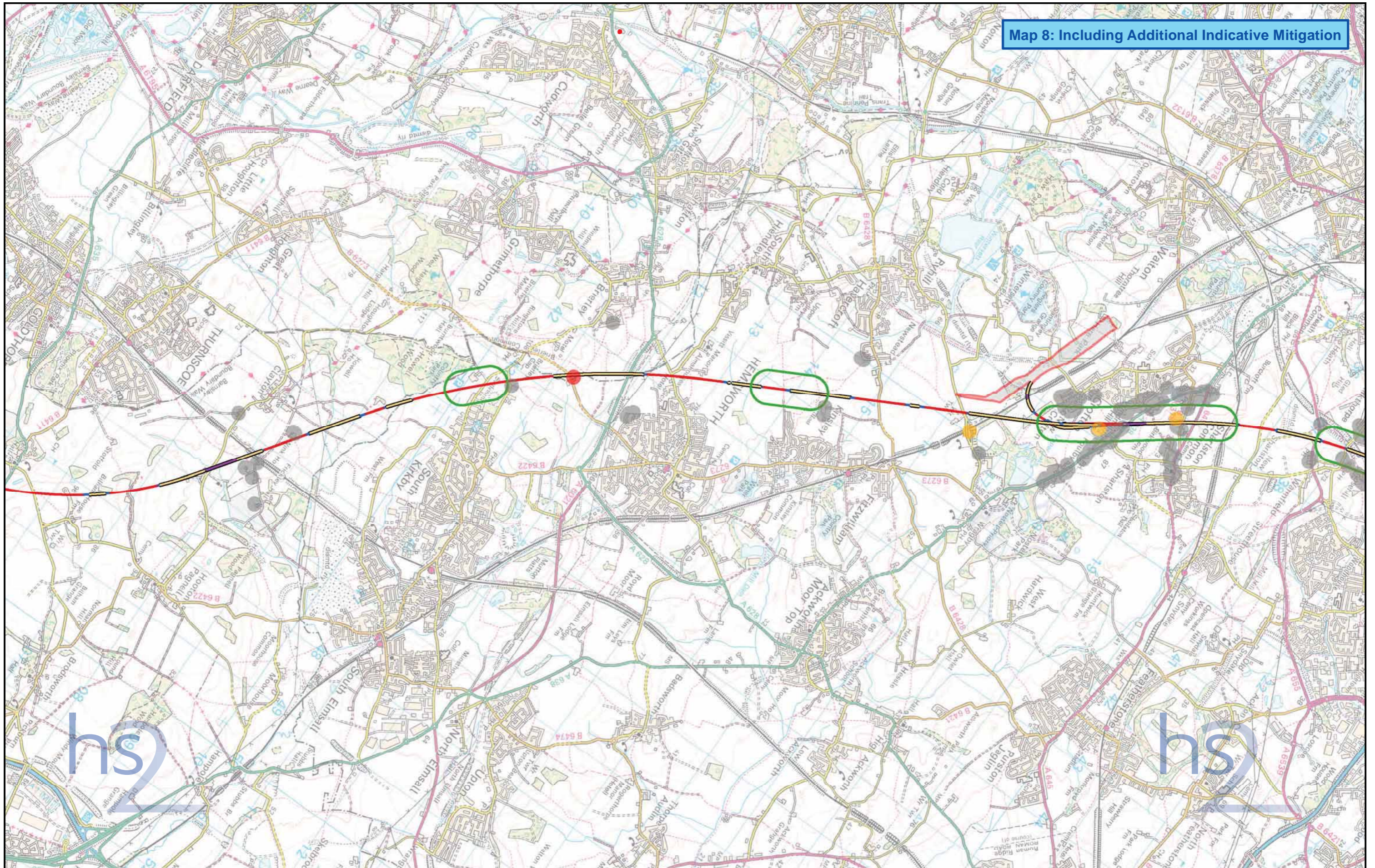
<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Eastern Leg Station or Depot</p> <ul style="list-style-type: none"> Operational Boundary 	<p>Including Additional Indicative Mitigation, Areas Where Dwellings:</p> <ul style="list-style-type: none"> ● Potentially Experience High Noise Levels ● Are Potentially Eligible for Noise Insulation ● Potentially Experience a Noticeable Noise Increase 	<p> Preliminary Candidate Area for Mitigation</p>	<p>Figure Number: EL-AN-07-02</p> <p>Figure Name: Residential Airborne Noise Appraisal Preferred Route to Leeds Including Additional Indicative Mitigation</p> <p>Route Name: HSL14 / HSL16</p>	<div style="text-align: right;">  <p>Temple RSK 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>Scale at A3: 1:50,000</p>  </div> <div style="text-align: right;">  </div> <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-130-000059 Date: 01/11/16</p>
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Map 8: Without Additional Indicative Mitigation



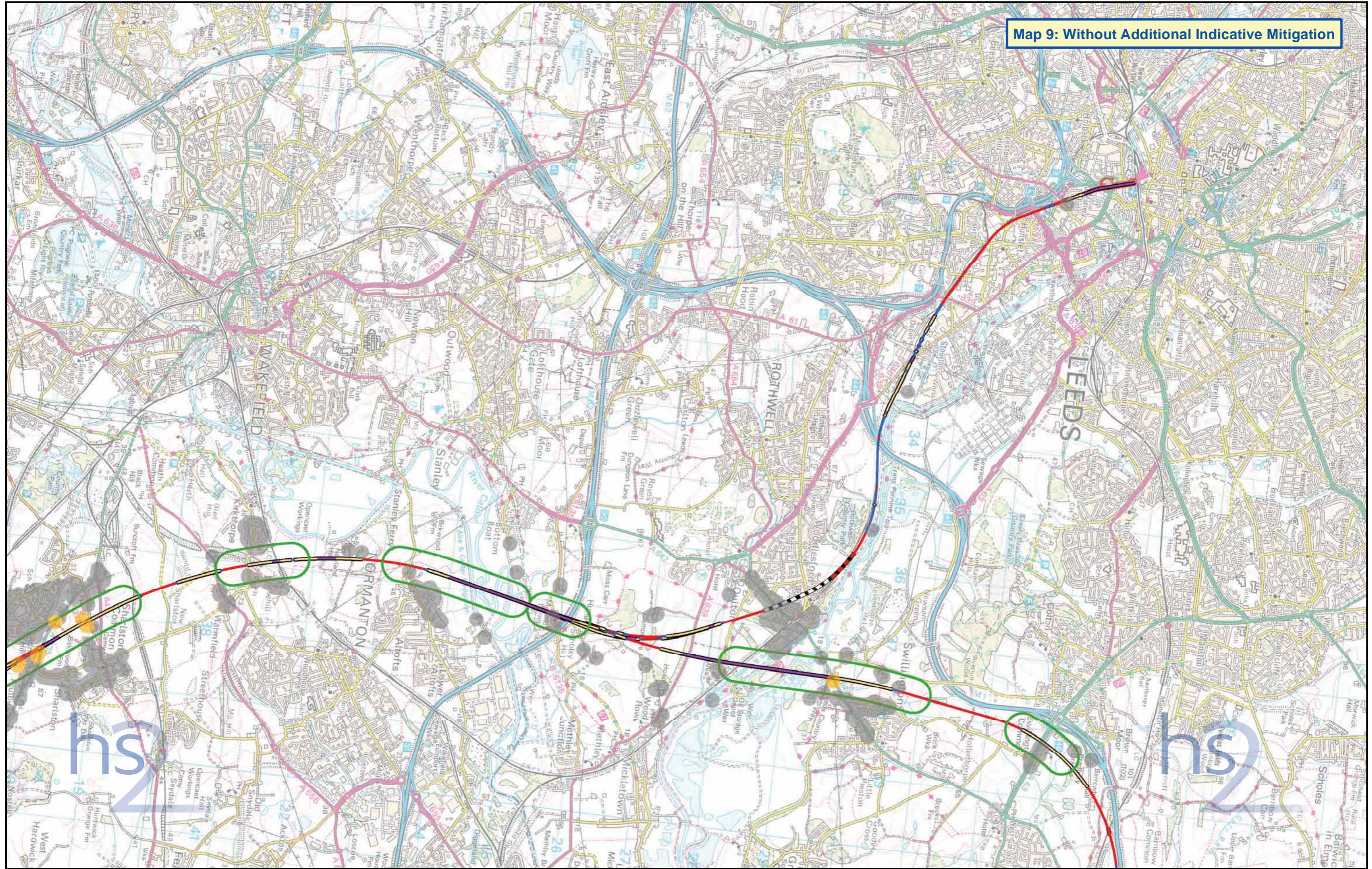
<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Eastern Leg Station or Depot</p> <ul style="list-style-type: none"> Operational Boundary 	<p>Without Additional Indicative Mitigation, Areas Where Dwellings:</p> <ul style="list-style-type: none"> ● Potentially Experience High Noise Levels ● Are Potentially Eligible for Noise Insulation ● Potentially Experience a Noticeable Noise Increase 	<ul style="list-style-type: none"> Preliminary Candidate Area for Mitigation 	<p>Figure Number: EL-AN-08-01</p> <p>Figure Name: Residential Airborne Noise Appraisal Preferred Route to Leeds Without Additional Indicative Mitigation</p> <p>Route Name: HSL16 / HSL17A / HSL17B</p>	<div style="text-align: center;">  <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> </div> <p>Temple RSK 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>Scale at A3: 1:50,000</p> <div style="text-align: center;">  <p>Kilometers</p> </div> <p>Drawing No: C331-TRK-EV-MAP-130-000060 Date: 01/11/16</p>
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Map 8: Including Additional Indicative Mitigation



<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Eastern Leg Station or Depot</p> <ul style="list-style-type: none"> Operational Boundary 	<p>Including Additional Indicative Mitigation, Areas Where Dwellings:</p> <ul style="list-style-type: none"> ● Potentially Experience High Noise Levels ● Are Potentially Eligible for Noise Insulation ● Potentially Experience a Noticeable Noise Increase 	<ul style="list-style-type: none"> Preliminary Candidate Area for Mitigation 	<p>Figure Number: EL-AN-08-02</p> <p>Figure Name: Residential Airborne Noise Appraisal Preferred Route to Leeds Including Additional Indicative Mitigation</p> <p>Route Name: HSL16 / HSL17A / HSL17B</p>	<div style="text-align: right;">  <p>Temple RSK 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>Scale at A3: 1:50,000</p>  </div> <div style="text-align: right;">  <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-130-000061 Date: 01/11/16</p> </div>
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Map 9: Without Additional Indicative Mitigation




<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment Tunnel — Viaduct 	<p>Eastern Leg Station or Depot</p> <ul style="list-style-type: none"> Operational Boundary 	<p>Without Additional Indicative Mitigation, Areas Where Dwellings:</p> <ul style="list-style-type: none"> ● Potentially Experience High Noise Levels ● Are Potentially Eligible for Noise Insulation ● Potentially Experience a Noticeable Noise Increase 	<ul style="list-style-type: none"> Preliminary Candidate Area for Mitigation
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Figure Number: EL-AN-09-01


Figure Name: Residential Airborne Noise Appraisal Preferred Route to Leeds Without Additional Indicative Mitigation


Route Name: HSL17A / HSL17B / HSL21 / HSL22 / HSL31



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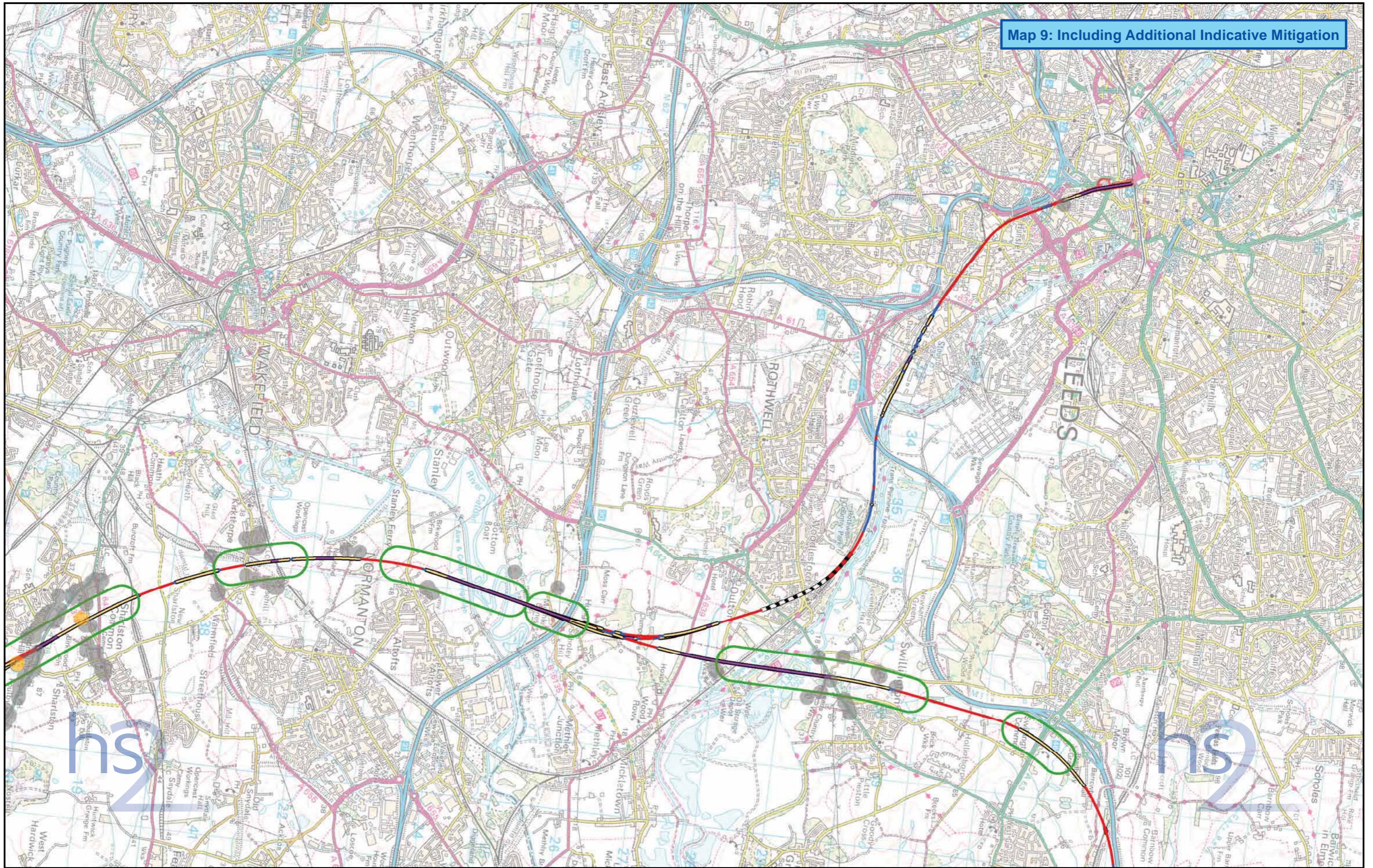







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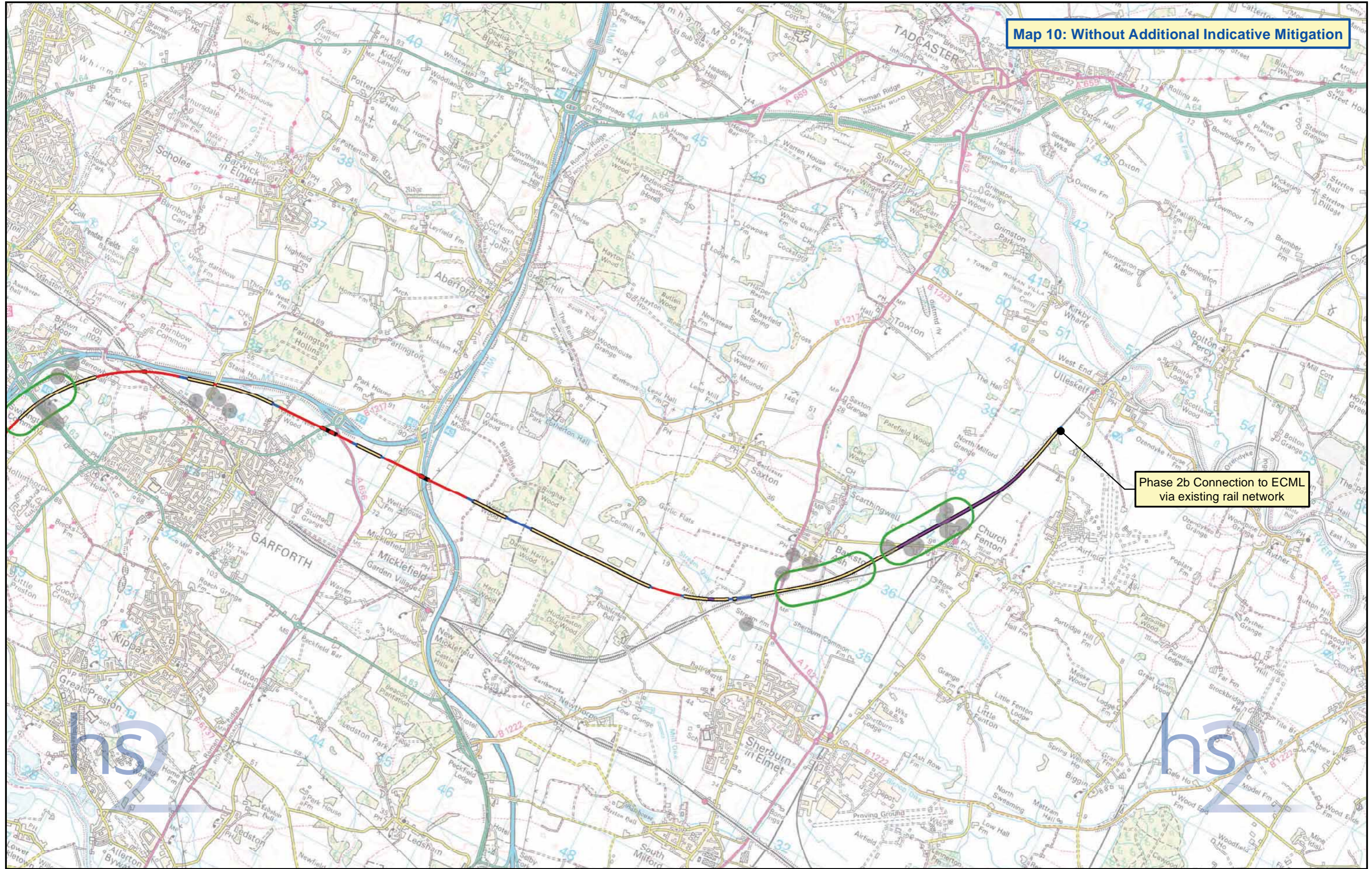
Drawing No: C331-TRK-EV-MAP-140-000006 **Date:** 01/11/16

Map 9: Including Additional Indicative Mitigation






<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment Tunnel — Viaduct 	<p>Eastern Leg Station or Depot</p> <ul style="list-style-type: none"> Operational Boundary 	<p>Including Additional Indicative Mitigation, Areas Where Dwellings:</p> <ul style="list-style-type: none"> ● Potentially Experience High Noise Levels ● Are Potentially Eligible for Noise Insulation ● Potentially Experience a Noticeable Noise Increase 	<p> Preliminary Candidate Area for Mitigation</p>	<p>Figure Number: EL-AN-09-02</p> <p>Figure Name: Residential Airborne Noise Appraisal Preferred Route to Leeds Including Additional Indicative Mitigation</p> <p>Route Name: HSL17A / HSL17B / HSL21 / HSL22 / HSL31</p>	<div style="text-align: right;">  <p>Temple RSK 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>Scale at A3: 1:50,000</p>  </div> <div style="text-align: right;">  </div> <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-140-000007 Date: 01/11/16</p>
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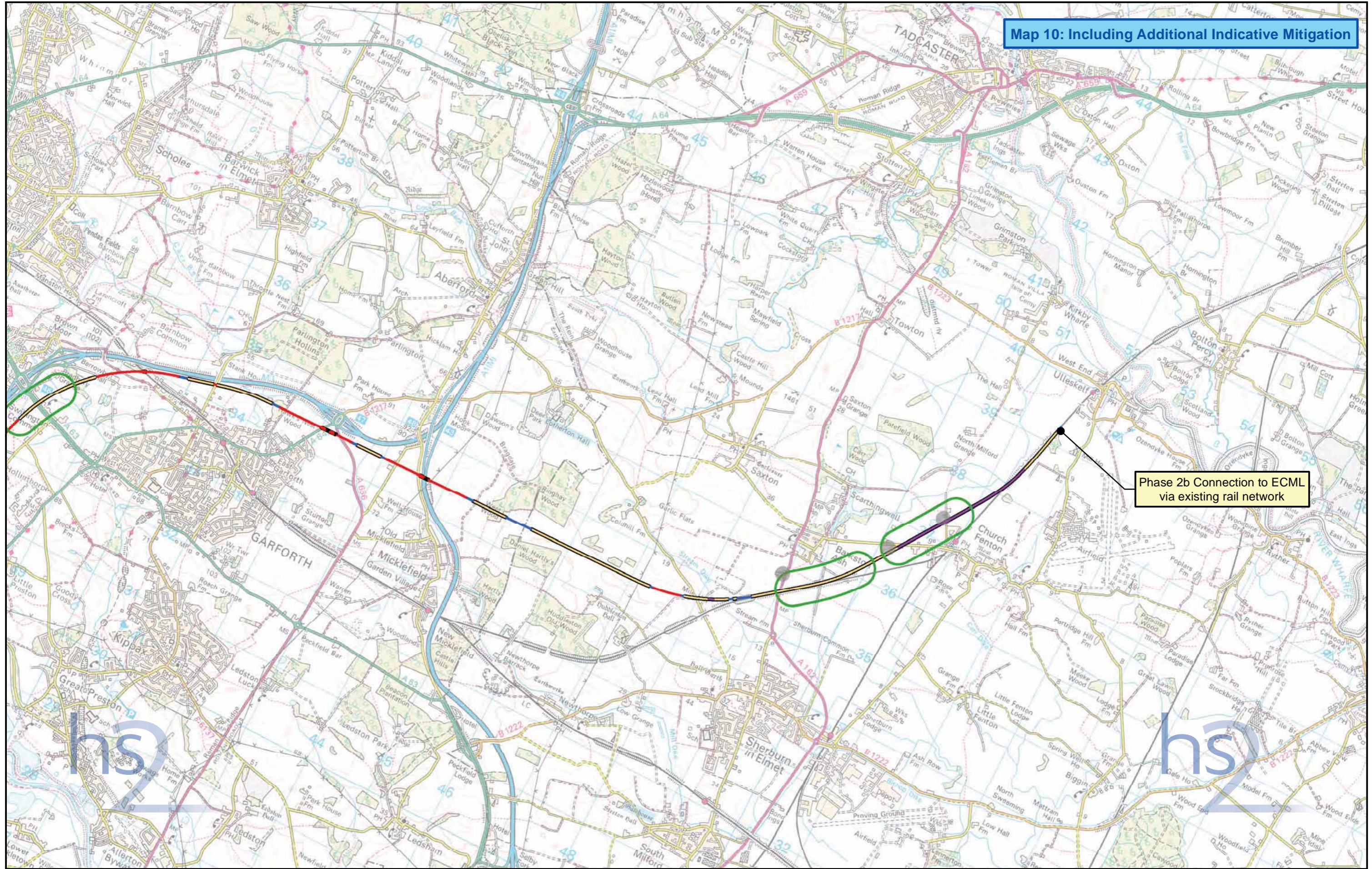
Map 10: Without Additional Indicative Mitigation





Phase 2b Connection to ECML via existing rail network

<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Eastern Leg Station or Depot</p> <ul style="list-style-type: none"> Operational Boundary 	<p>Without Additional Indicative Mitigation, Areas Where Dwellings:</p> <ul style="list-style-type: none"> ● Potentially Experience High Noise Levels ● Are Potentially Eligible for Noise Insulation ● Potentially Experience a Noticeable Noise Increase 	<ul style="list-style-type: none"> Preliminary Candidate Area for Mitigation 	<p>Figure Number: EL-AN-10-01</p> <p>Figure Name: Residential Airborne Noise Appraisal Preferred Route to Leeds Without Additional Indicative Mitigation</p> <p>Route Name: HSL17B</p>	<div style="text-align: right;">  <p>Temple RSK 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>Scale at A3: 1:50,000</p>  <p>Kilometers</p> </div> <div style="text-align: right;">  </div> <p>© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-180-000003 Date: 01/11/16</p>
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Map 10: Including Additional Indicative Mitigation



Phase 2b Connection to ECML via existing rail network

<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut and Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Eastern Leg Station or Depot</p> <ul style="list-style-type: none"> Operational Boundary 	<p>Including Additional Indicative Mitigation, Areas Where Dwellings:</p> <ul style="list-style-type: none"> ● Potentially Experience High Noise Levels ● Are Potentially Eligible for Noise Insulation ● Potentially Experience a Noticeable Noise Increase 	<ul style="list-style-type: none"> Preliminary Candidate Area for Mitigation 	<p>Figure Number: EL-AN-10-02</p> <p>Figure Name: Residential Airborne Noise Appraisal Preferred Route to Leeds Including Additional Indicative Mitigation</p> <p>Route Name: HSL17B</p>	<div style="text-align: right;">  <p>Temple RSK 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>Scale at A3: 1:50,000</p>  <p>Kilometers</p> </div> <p style="text-align: right;">© Crown copyright and database rights 2016 Ordnance Survey Licence Number 100049190.</p> <p>Drawing No: C331-TRK-EV-MAP-180-000004 Date: 01/11/16</p>
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