

High Speed Rail: Consultation on the route from the West
Midlands to Manchester, Leeds and beyond

Sustainability Statement

Volume 2: maps

A report by Temple-ERM for HS2 Ltd



Contents

Data dictionary & definitions

Western Leg - Manchester:

15 Map windows each with 3 environmental features maps (set 1 to 3)

4 Individual Station and Depot environmental features maps

Residential Airborne Noise Appraisal without and with additional mitigation maps (set 1 to 2)

Eastern Leg - Leeds:

20 Map windows each with 3 environmental features maps (set 1 to 3)

5 Individual Station and Depot environmental features maps

Residential Airborne Noise Appraisal without and with additional mitigation maps (set 1 to 2)

Data Dictionary and Definitions

Data Dictionary and Definitions for Environmental Features and Airborne Noise Maps

Legend Features	Definition	Source	Copyright
Agricultural Land Grade 1 and 2	Agricultural land is classified into five grades. Grade 1 is best quality and Grade 5 is poorest quality. A number of consistent criteria are used for assessment which include climate (temperature, rainfall, aspect, exposure, frost risk), site (gradient, micro-relief, flood risk) and soil (depth, texture, stoniness). Grades 1 and 2 are only displayed as is consistent with the methodology. The maps show Agricultural Land Grade 1 and Grade 2.	Supplied by Natural England	© Natural England copyright 2013 Contains Ordnance Survey data © Crown copyright and database right 2013. 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.	Supplied by Natural England	© Natural England copyright 2013 Contains Ordnance Survey data © Crown copyright and database right 2013. 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	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. Natural England has a statutory power to designate land as Areas of Outstanding Natural Beauty under the Countryside and Rights of Way Act 2000.	Supplied by Natural England	© Natural England copyright 2013 Contains Ordnance Survey data © Crown copyright and database right 2013. 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 2 Phase Two scheme.	High Speed Two 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 2 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 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 2 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 Ltd	

Legend Features	Definition	Source	Copyright
Conservation Area	Areas considered worthy of preservation or enhancement because of their special architectural or historic interest.	High Speed Two Ltd. Conservation Areas have been captured and digitised from desktop based studies using publically 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.	
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.	Supplied by Natural England	© Natural England copyright 2013 Contains Ordnance Survey data © Crown copyright and database right 2013. All rights reserved. Ordnance Survey Licence number 100022021.
County boundary	County boundaries	Ordnance survey boundary mapping	© Crown Copyright and database rights 2013 Ordnance Survey Licence Number 100049190.
District/Borough boundary	Local Authority boundaries	Ordnance survey boundary mapping	© Crown Copyright and database rights 2013 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 fluvial flooding or between a 0.5% and 0.1% annual probability of tidal flooding in any year.	Supplied by The 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 fluvial flooding or a 0.5% or greater annual probability of tidal flooding.	Supplied by The Environment Agency	Contains Environment Agency information © Environment Agency and database right.
Green belt	<p>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 that the construction of new buildings should be regarded as "inappropriate" for the green belt, although there are some exceptions, which are listed.</p> <p>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</p>	DCLG	© Crown Copyright 2012

Legend Features	Definition	Source	Copyright
Groundwater Source Protection Zone: (Zones 1 & 2)	Source Protection Zones (SPZs) have been defined for 2000 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: inner – SPZ1 and outer – SPZ2.	Supplied by The Environment Agency	Contains Environment Agency information © Environment Agency and database right.
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.	Supplied By The 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.	Supplied By The 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.	Supplied by English Heritage 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.	Contains, or is based upon, English Heritage's National Heritage List for England data © English Heritage.
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.	Supplied by Natural England 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 copyright 2013 Contains Ordnance Survey data © Crown copyright and database right 2013. 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).	High Speed Two Ltd Major Development Sites have been captured and digitised from desktop based studies using publically 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.	
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.	Supplied by Natural England The accuracy of the data will, in general, match that of the primary source material, OS MasterMap. English Nature received a complete set of OS MasterMap data extracted on 8 August 2002. No further updates have been applied.	© Natural England copyright 2013 Contains Ordnance Survey data © Crown copyright and database right 2013. All rights reserved. Ordnance Survey Licence number 100022021. http://www.naturalengland.org.uk/Images/open-government-licence-NE-OS_tcm6-30743.pdf

Legend Features	Definition	Source	Copyright
National Park	<p>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:</p> <p>1) To conserve and enhance their natural beauty, wildlife and cultural heritage.</p> <p>2) To promote opportunities for the public understanding and enjoyment of these special qualities.</p>	Supplied by Natural England	<p>© Natural England copyright 2013 Contains Ordnance Survey data © Crown copyright and database right 2013. All rights reserved. Ordnance Survey Licence number 100022021. http://www.naturalengland.org.uk/Images/open-government-licence-NE-OS_tcm6-30743.pdf</p>
National Trails	<p>National Trails are long distance routes for walking, cycling and horse riding through the finest landscapes in England and Wales.</p> <p>They have all been created by linking existing local footpaths, bridleways and minor roads and by developing new ones where there were gaps.</p> <p>There are 15 National Trails in England and Wales.</p>	Supplied by Natural England	<p>© Natural England copyright 2013 Contains Ordnance Survey data © Crown copyright and database right 2013. All rights reserved. Ordnance Survey Licence number 100022021. http://www.naturalengland.org.uk/Images/open-government-licence-NE-OS_tcm6-30743.pdf</p>
Preliminary candidate areas for mitigation	<p>Areas where additional mitigation, such as noise barriers or earth bunds, would potentially have the greatest benefit to reducing the overall number of noise impacts. For the purposes of modelling the scheme 'including additional indicative mitigation' it has been assumed that mitigation at these locations would achieve a noise reduction equivalent to that achieved by use of 3m high noise barriers (or bund) or, at viaducts, by 2m high barriers with noise-absorbent materials used throughout.</p> <p>Note that the scheme 'including additional indicative mitigation' also assumes that there would be a 3 dB reduction in noise emissions at source based on the anticipated noise control improvements in the next generation of high speed rolling stock.</p>	High Speed Two Ltd	
Ramsar Site	<p>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".</p>	Supplied by Natural England	<p>© Natural England copyright 2013 Contains Ordnance Survey data © Crown copyright and database right 2013. All rights reserved. Ordnance Survey Licence number 100022021. http://www.naturalengland.org.uk/Images/open-government-licence-NE-OS_tcm6-30743.pdf</p>
Registered Battlefield	<p>A Registered Battlefield is a battlefield that is considered to be sufficiently important to be worth identifying by their inclusion on the Register.</p>	<p>Supplied by English Heritage</p> <p>All 43 Registered Battlefield sites are captured against the 1:10000 Raster product</p>	<p>Based on, English Heritage's National Heritage List for England data © English Heritage.</p>
Registered Park and Garden	<p>Parks and Gardens of special historic interest</p>	<p>Supplied by English Heritage</p> <p>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.</p>	<p>Contains, or is based upon, English Heritage's National Heritage List for England data © English Heritage.</p>

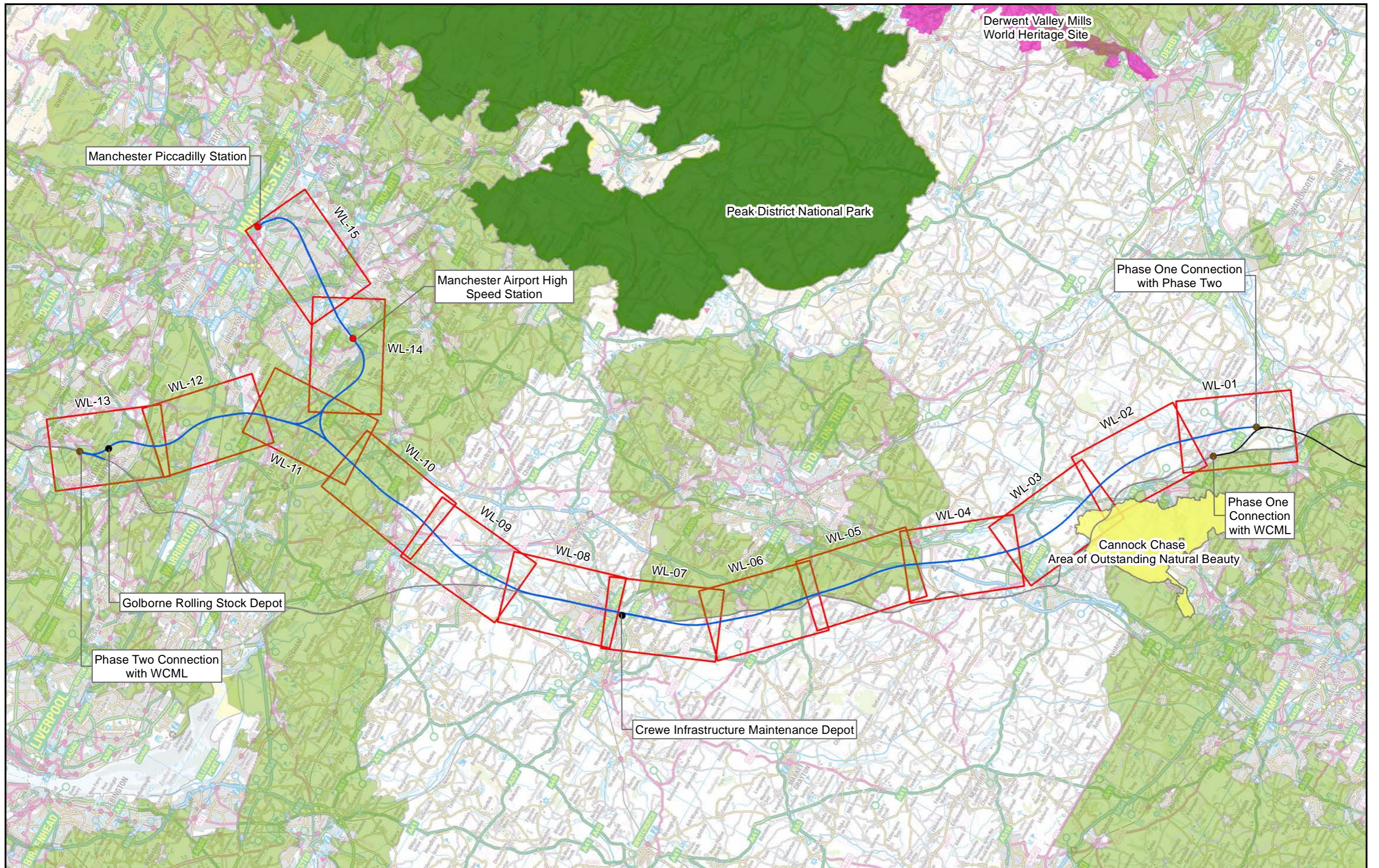
Legend Features	Definition	Source	Copyright
Route Alignment	Sections of the High Speed Two route shown by type	High Speed Two Ltd	
Scheduled Monument	A schedule has been kept since 1882 of monuments considered to be of national importance by the government. The current legislation, the Ancient Monuments and Archaeological Areas Act 1979, supports a formal system of Scheduled Monument Consent for any work to a designated monument.	Supplied by English Heritage 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.	Contains, or is based upon, English Heritage's National Heritage List for England data © English Heritage.
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.	Supplied by Natural England The accuracy of the data will, in general, match that of the primary source material, OS MasterMap. English Nature provided a complete set of OS MasterMap data extracted on 8 August 2002. No further updates have been applied.	© Natural England copyright 2013 Contains Ordnance Survey data © Crown copyright and database right 2013. All rights reserved. Ordnance Survey Licence number 100022021. http://www.naturalengland.org.uk/Images/open-government-licence-NE-OS_tcm6-30743.pdf
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.	Supplied by Natural England The accuracy of the data will, in general, match that of the primary source material, OS MasterMap. English Nature provided a complete set of OS MasterMap data extracted on 8 August 2002. No further updates have been applied.	© Natural England copyright 2013 Contains Ordnance Survey data © Crown copyright and database right 2013. All rights reserved. Ordnance Survey Licence number 100022021. http://www.naturalengland.org.uk/Images/open-government-licence-NE-OS_tcm6-30743.pdf
Special Protection Area (SPA)	A Special Protection Area (SPA) is the land classified under Directive 79/409 for the Conservation of Wild Birds.	Supplied by Natural England The accuracy of the data will, in general, match that of the primary source material, OS MasterMap. English Nature provided a complete set of OS MasterMap data extracted on 8 August 2002. No further updates have been applied.	© Natural England copyright 2013 Contains Ordnance Survey data © Crown copyright and database right 2013. All rights reserved. Ordnance Survey Licence number 100022021. http://www.naturalengland.org.uk/Images/open-government-licence-NE-OS_tcm6-30743.pdf
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".	Supplied by English Heritage 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.	Contains, or is based upon, English Heritage's National Heritage List for England data © English Heritage.

Western Leg – Manchester

Western Leg - Manchester

Environmental Features Mapping

Set 1 to 3



Route Alignment

- Western Leg proposed route
- Connection
- Depot
- Station
- WCML
- HS2 Phase One
- Map Windows

Sustainability Features

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

Figure Number: WL-01-INDEX-ENV

Figure Name: Map Index Overview
Appraisal of Sustainability
Key Environmental Features Mapping

Route Name: Western Leg

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-000050

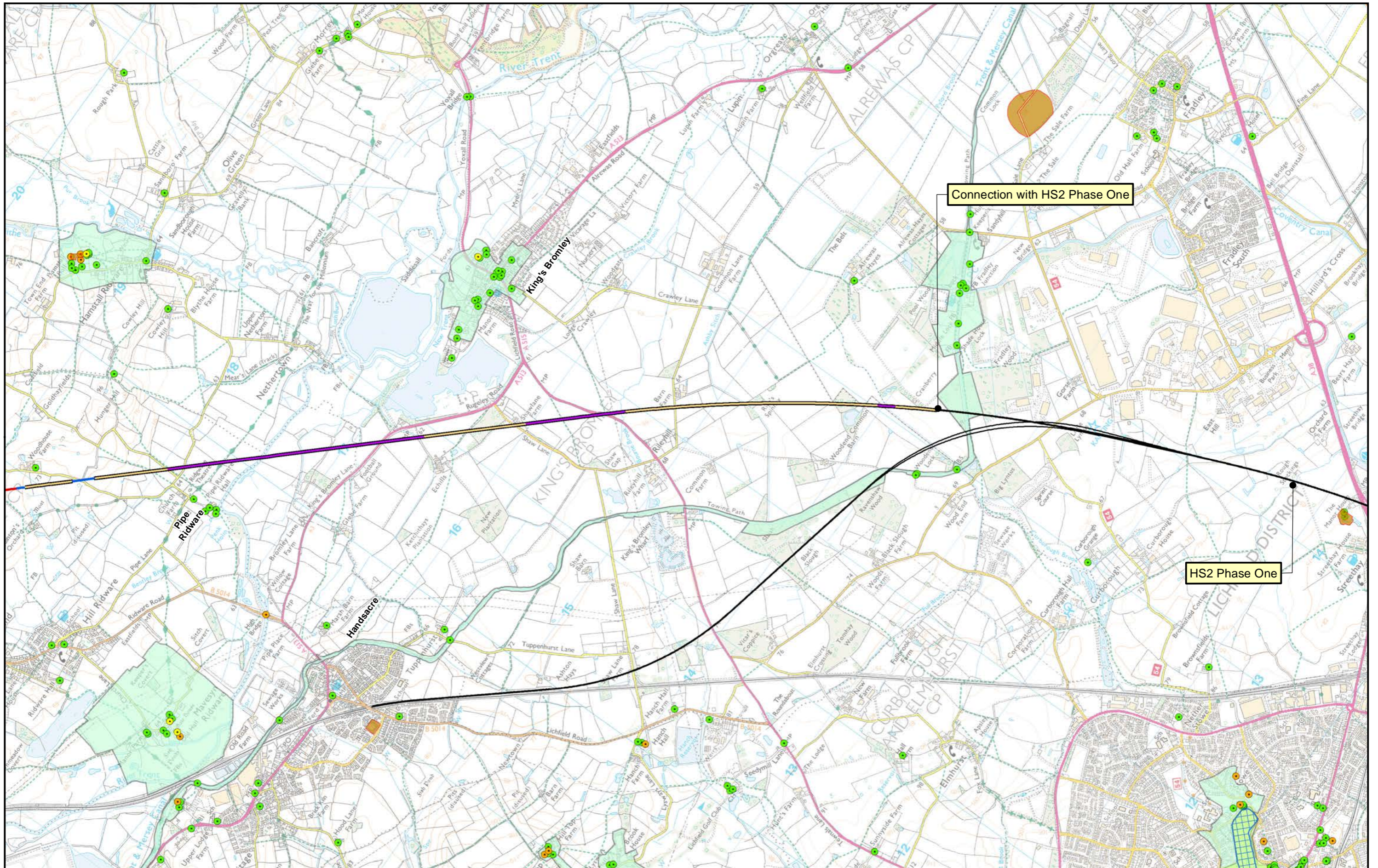
Date: 05/07/13

Scale at A3: 1:300,000

0 5 10 Kilometers

TEMPLE ERM

Temple ERM 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.



Route Alignment

	At Grade
	Cutting
	Embankment
	Green Tunnel
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features

	Listed Building Grade I		Ramsar Site		Conservation Area
	Listed Building Grade II*		Special Area of Conservation (SAC)		National Nature Reserve (NNR)
	Listed Building Grade II		Special Protection Area (SPA)		Registered Battlefield
	Scheduled Monument		Site of Special Scientific Interest (SSSI)		Registered Park and Garden

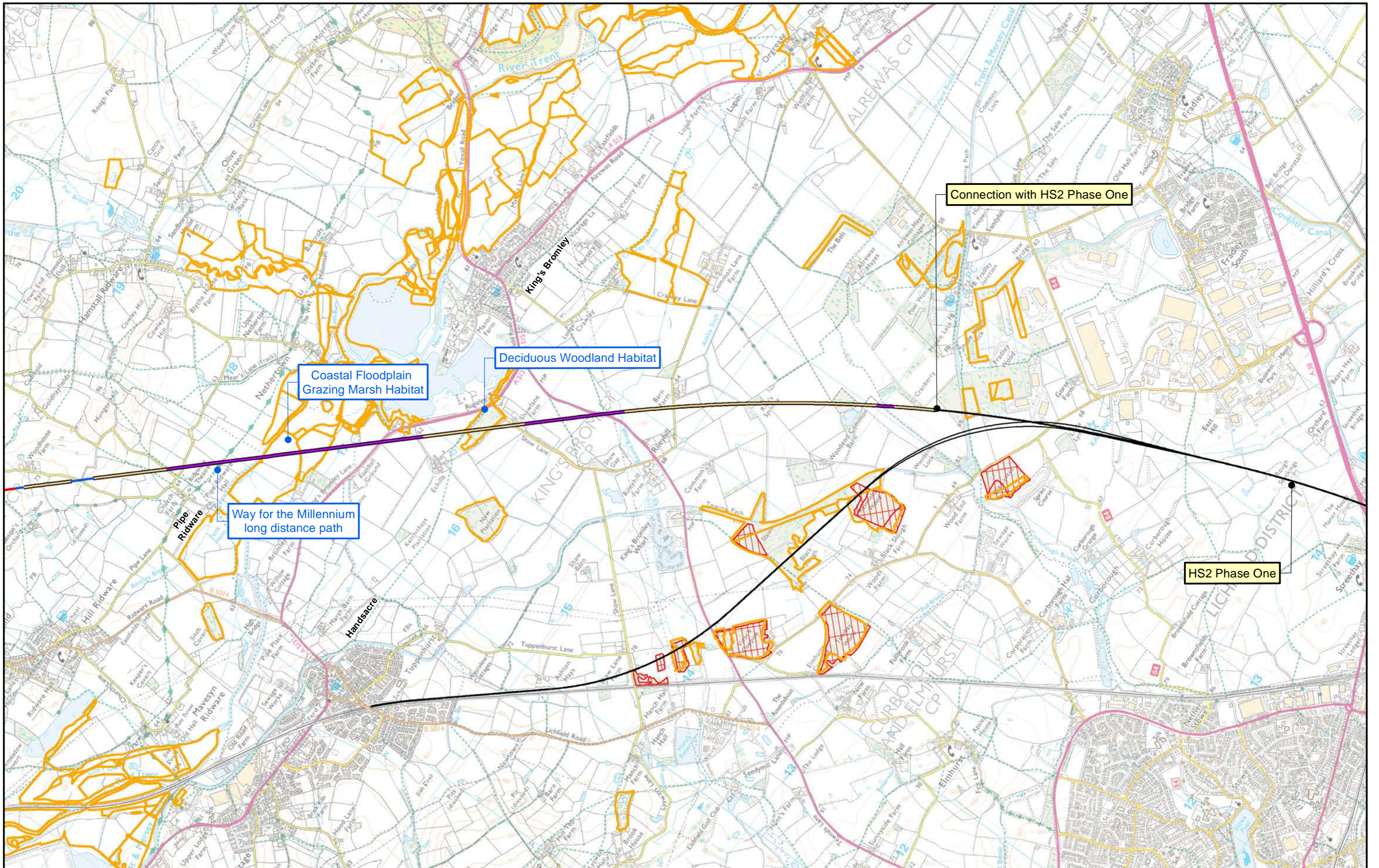
Figure Number:	WL-01-01
Figure Name:	Key Environmental Features Set 1 of 3
Route Name:	HSM03

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-00001 Date: 03/07/13



Route Alignment

- At Grade
- Cutting
- Embankment
- Green Tunnel
- Tunnel
- Viaduct
- Station or Depot Operational Boundary

Sustainability Features

 Ancient Woodland	 Local Nature Reserve (LNR)
 Country Park	 National Trail
 Habitat of Principal Importance	 National Trust Ownership

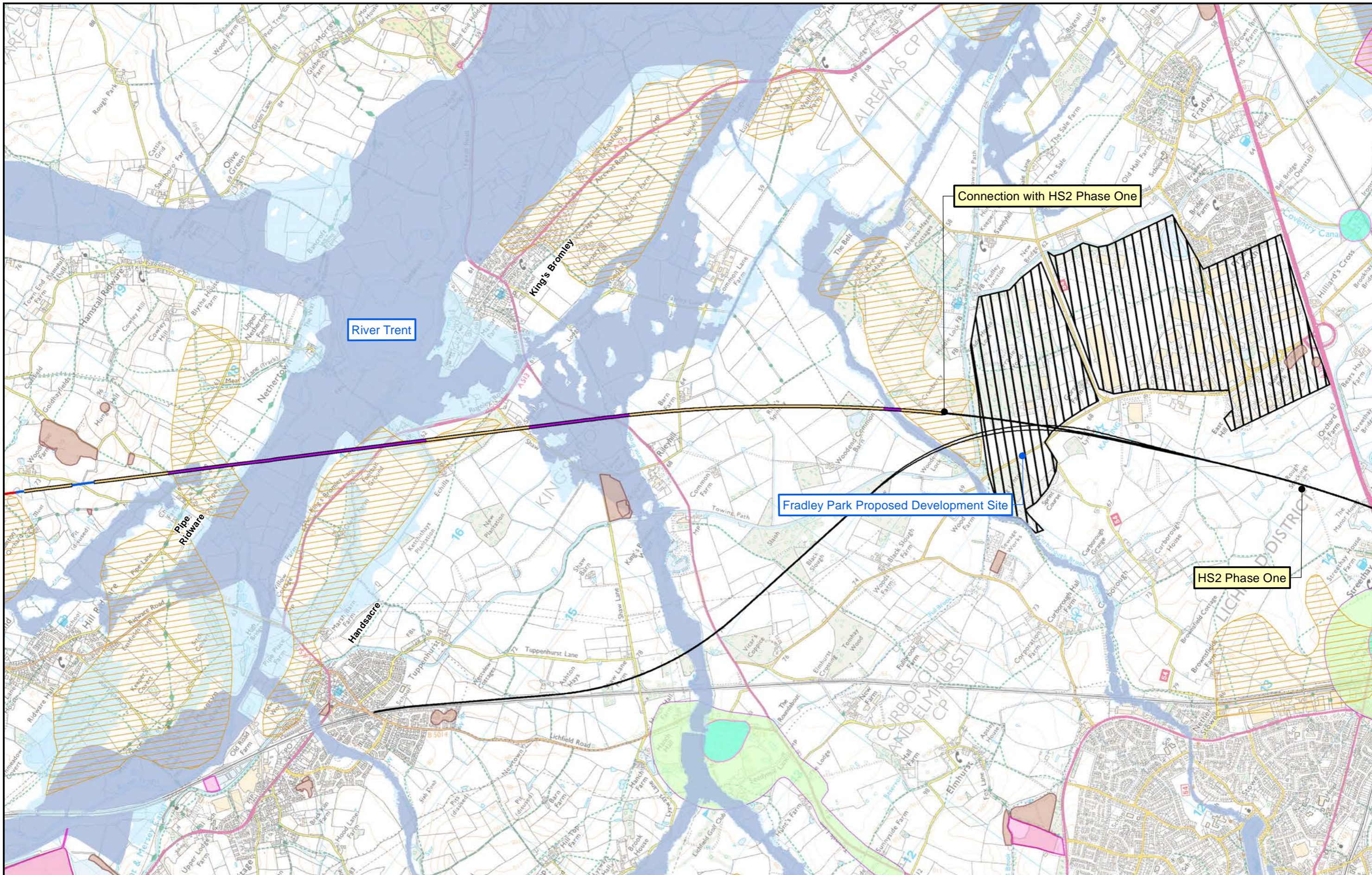
Figure Number:	WL-01-02
Figure Name:	Key Environmental Features Set 2 of 3
Route Name:	HSM03

TEMPLE ERM

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.
Map Number: LMH-TGL-EV-MAP-200-000016 Date: 03/07/13



Route Alignment

- At Grade
- Cutting
- Embankment
- Green Tunnel
- Tunnel
- Viaduct
- Station or Depot Operational Boundary

Sustainability Features

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

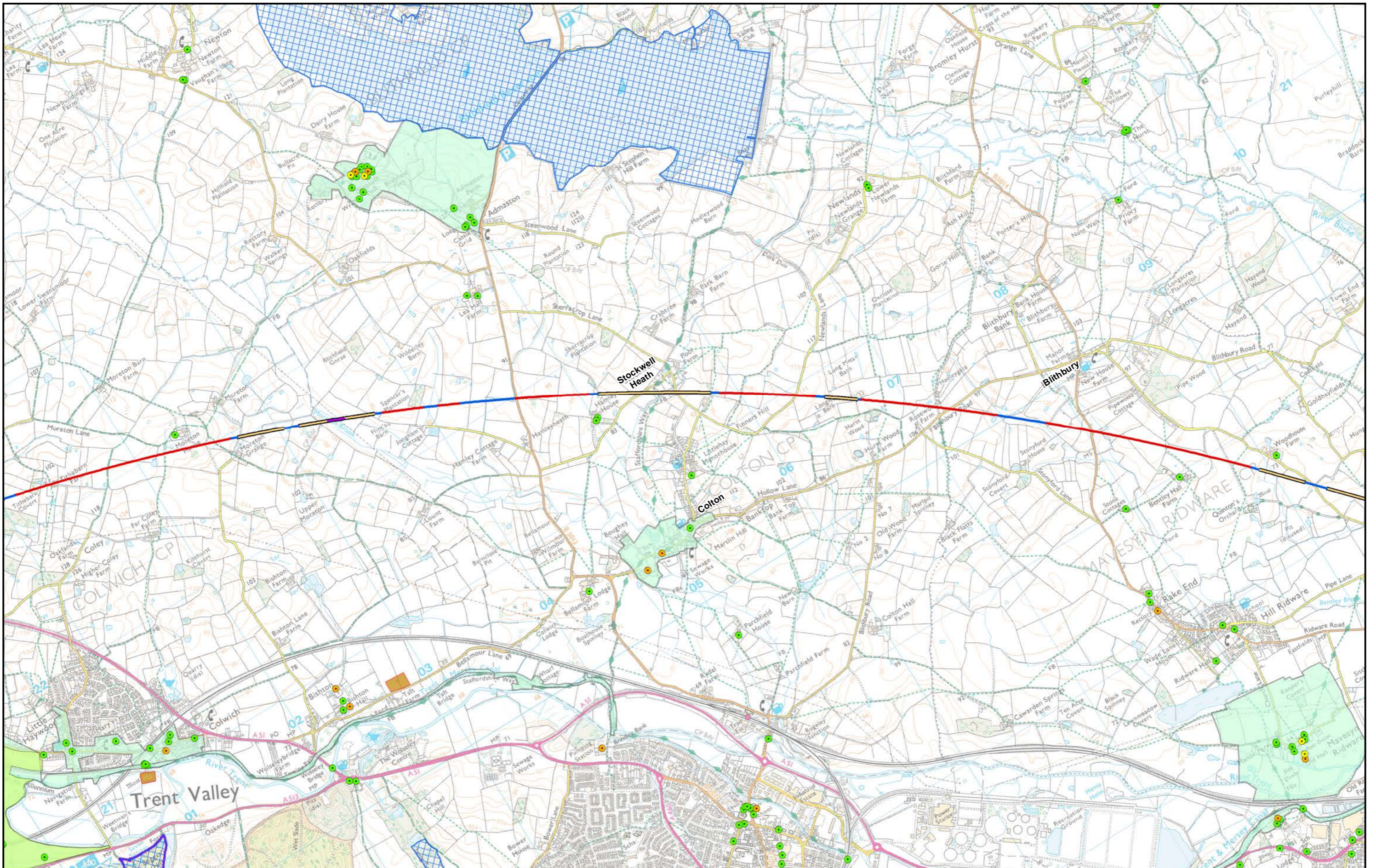
Figure Number:	WL-01-03
Figure Name:	Key Environmental Features Set 3 of 3
Route Name:	HSM03

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-000031
Date: 03/07/13



Route Alignment

- At Grade
- Cutting
- Embankment
- Green Tunnel
- Tunnel
- Viaduct
- Station or Depot Operational Boundary

Sustainability Features

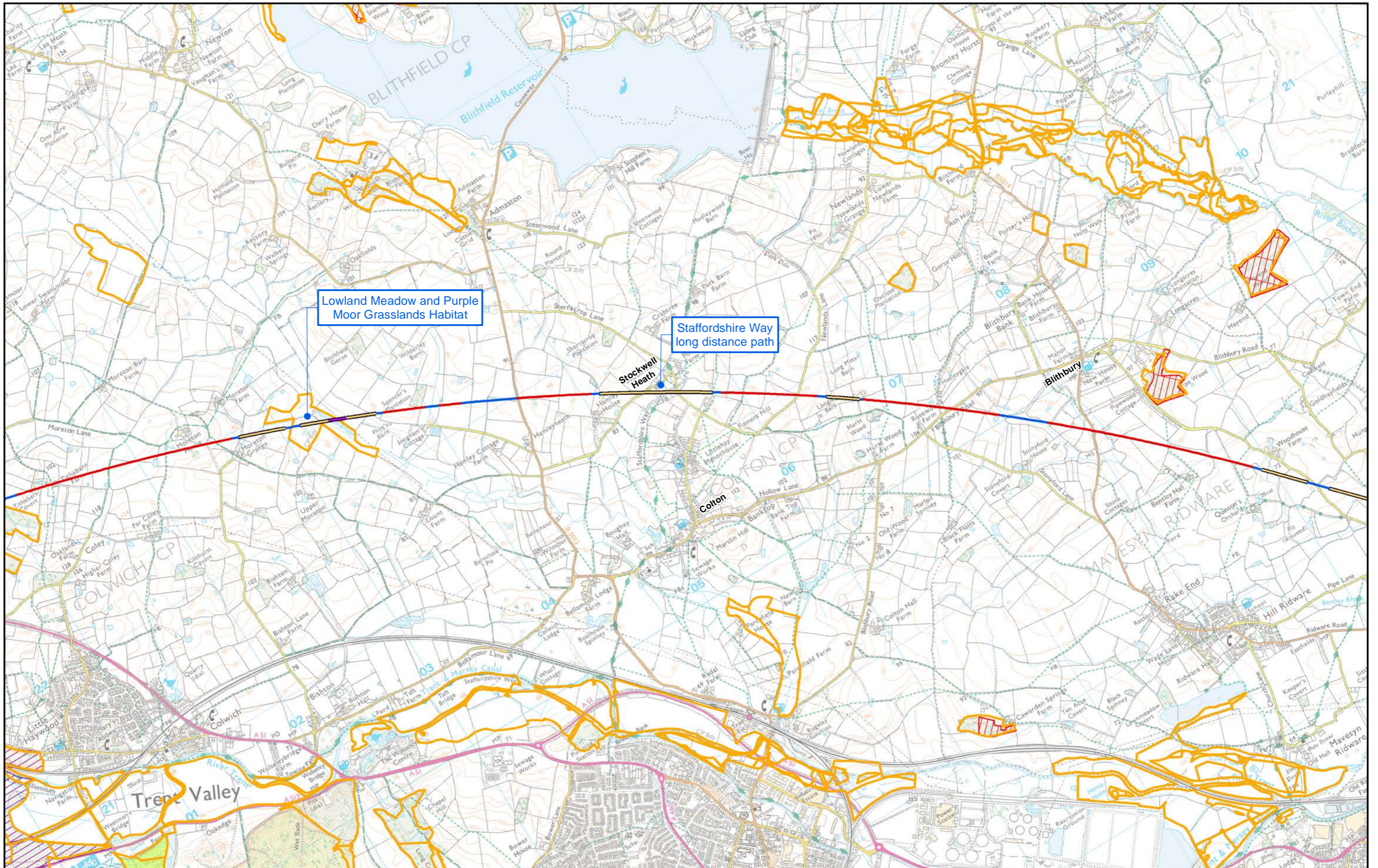
● Listed Building Grade I	 Ramsar Site	 Conservation Area
● Listed Building Grade II*	 Special Area of Conservation (SAC)	 National Nature Reserve (NNR)
● Listed Building Grade II	 Special Protection Area (SPA)	 Registered Battlefield
 Scheduled Monument	 Site of Special Scientific Interest (SSSI)	 Registered Park and Garden

Figure Number:	WL-02-01
Figure Name:	Key Environmental Features Set 1 of 3
Route Name:	HSM03

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013.
Ordnance Survey Licence Number 100049190.
Map Number: LMH-TGL-EV-MAP-200-00002 Date: 03/07/13



Route Alignment

- At Grade
- Cutting
- Embankment
- Green Tunnel
- Tunnel
- Viaduct
- Station or Depot Operational Boundary

Sustainability Features

 Ancient Woodland	 Local Nature Reserve (LNR)
 Country Park	 National Trail
 Habitat of Principal Importance	 National Trust Ownership

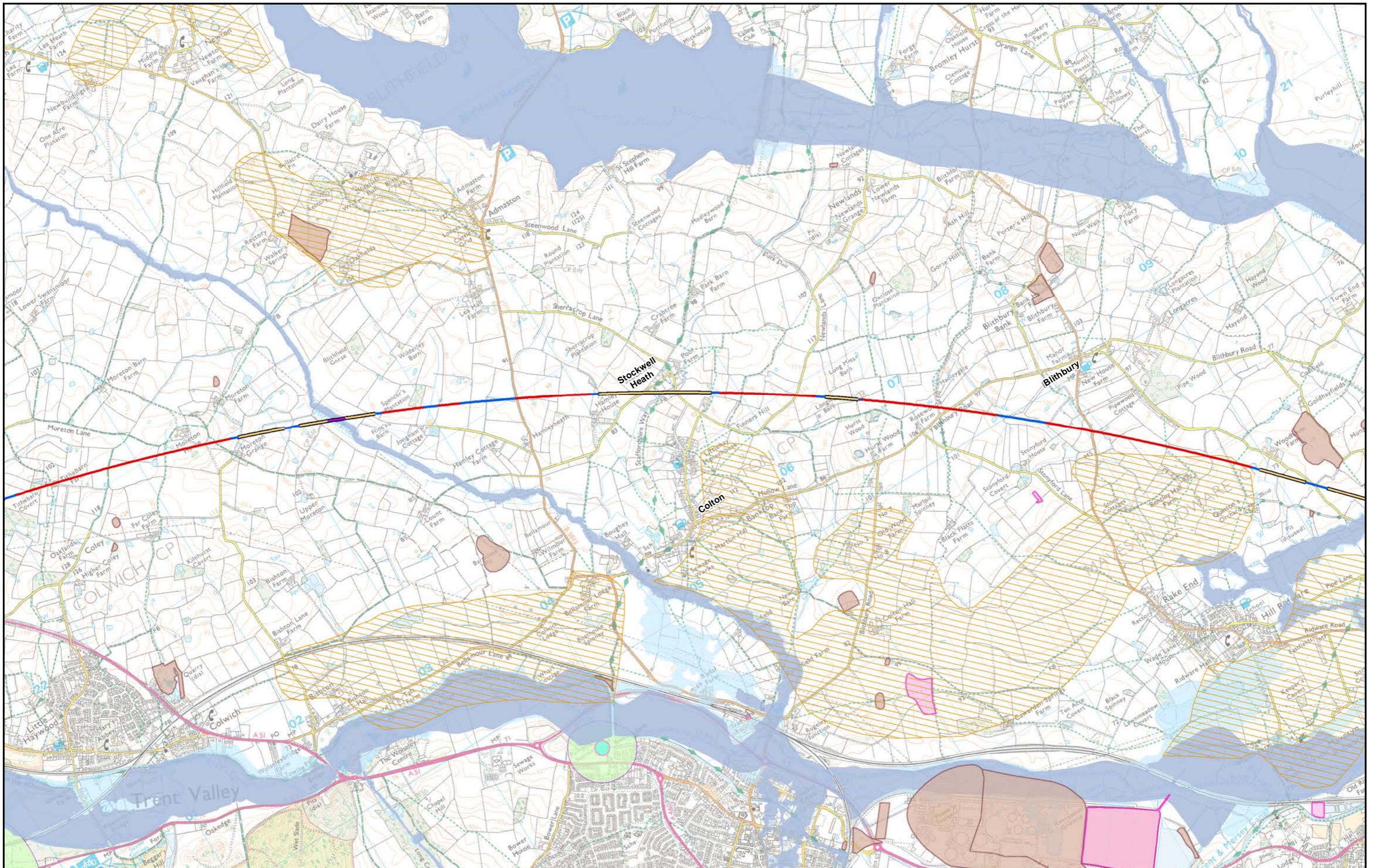
Figure Number:	WL-02-02
Figure Name:	Key Environmental Features Set 2 of 3
Route Name:	HSM03

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-000017
Date: 03/07/13




- Route Alignment**
- At Grade
 - Cutting
 - Embankment
 - Green Tunnel
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

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

Figure Number: WL-02-03


Figure Name: **Key Environmental Features Set 3 of 3**

Route Name: HSM03

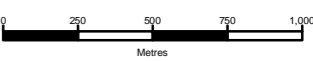


TEMPLE ERM

Temple ERM 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.

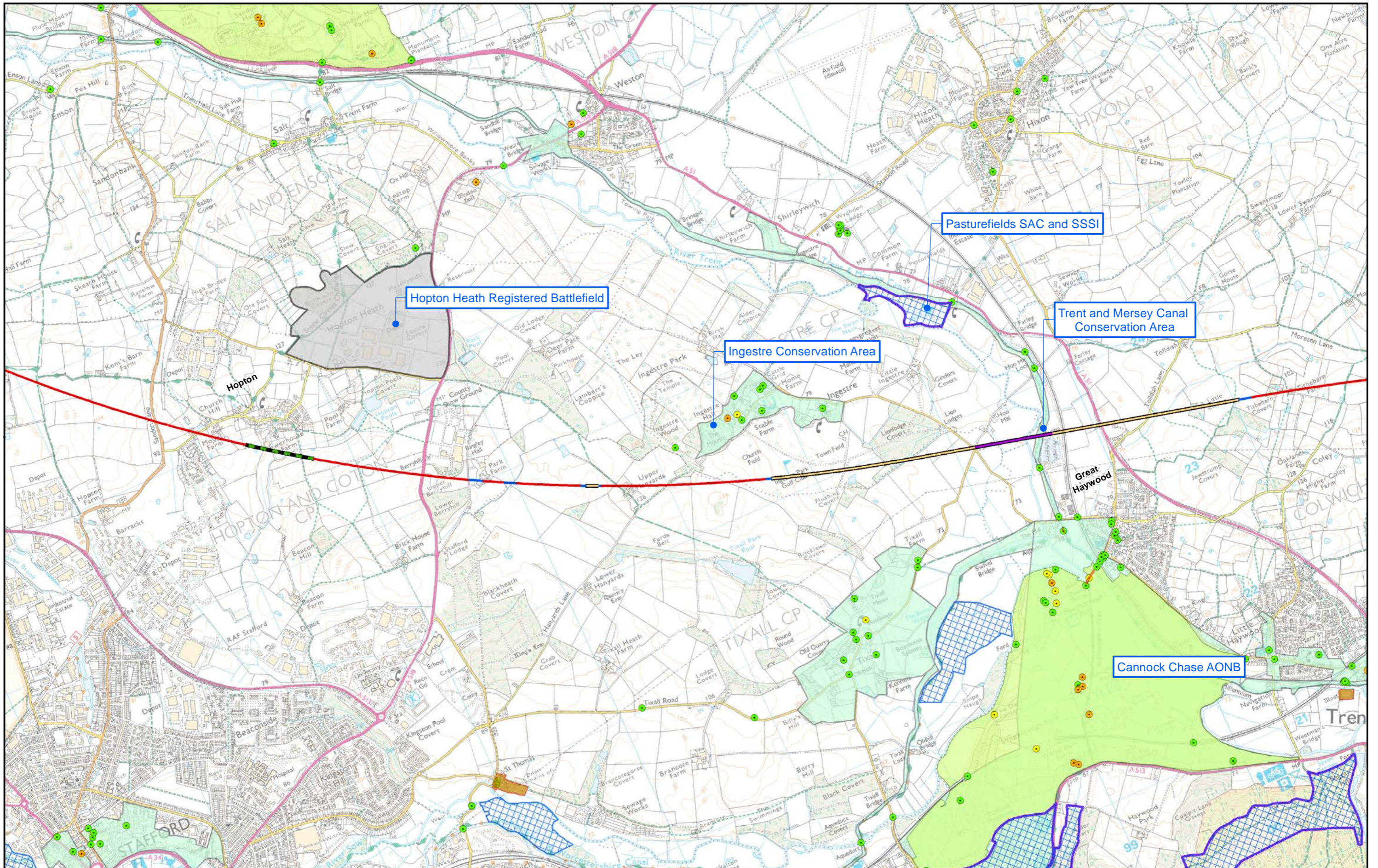


Scale at A3: 1:25,000



0 250 500 750 1,000 Metres

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190. Map Number: LMH-TGL-EV-MAP-200-000032 Date: 03/07/13



Route Alignment

- At Grade
- Cutting
- Embankment
- Green Tunnel
- Tunnel
- Viaduct
- Station or Depot Operational Boundary

Sustainability Features

● Listed Building Grade I	 Ramsar Site	 Conservation Area
● Listed Building Grade II*	 Special Area of Conservation (SAC)	 National Nature Reserve (NNR)
● Listed Building Grade II	 Special Protection Area (SPA)	 Registered Battlefield
■ Scheduled Monument	 Site of Special Scientific Interest (SSSI)	 Registered Park and Garden

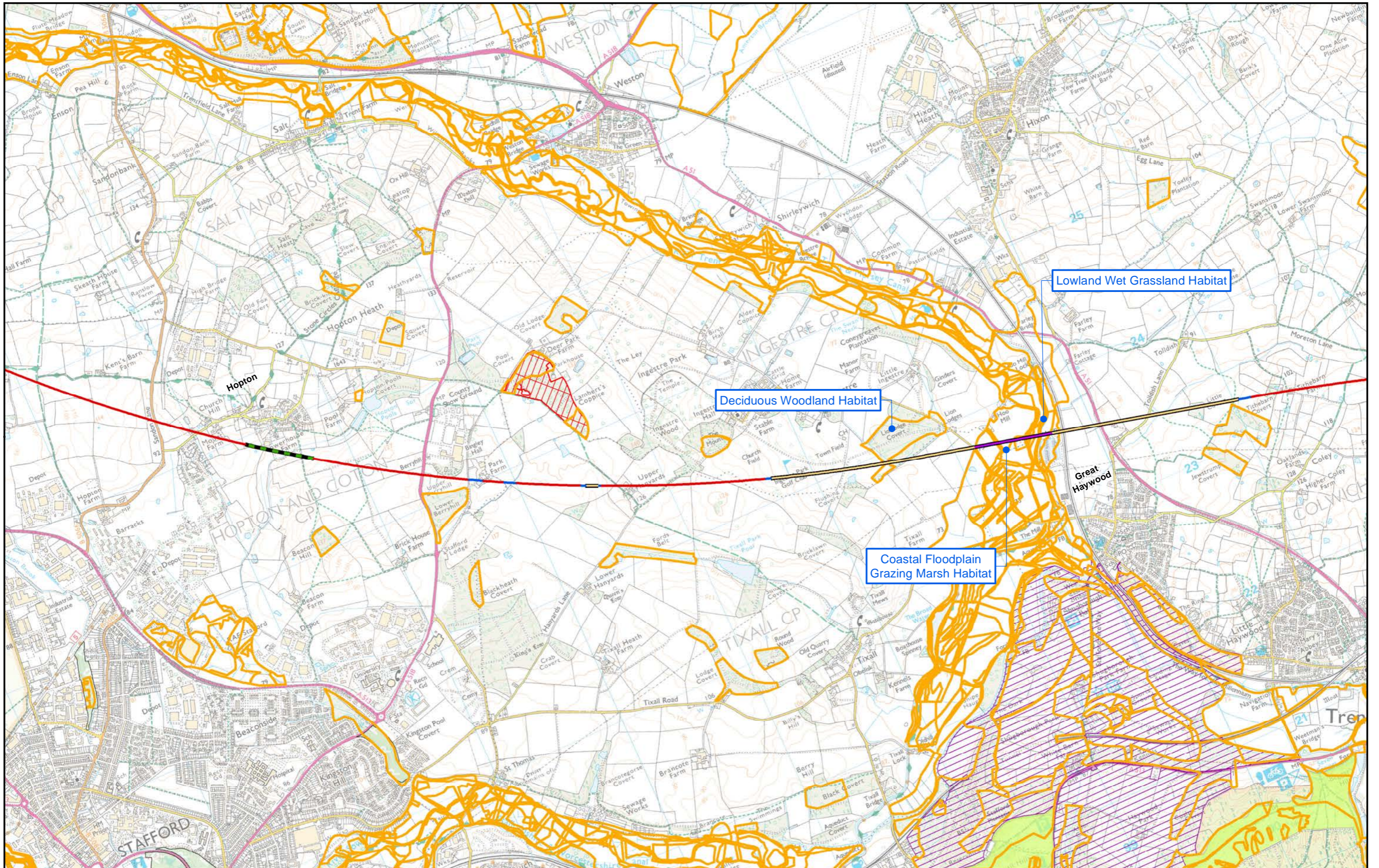
Figure Number:	WL-03-01
Figure Name:	Key Environmental Features Set 1 of 3
Route Name:	HSM03

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-000003
Date: 03/07/13



- Route Alignment**
- At Grade
 - Cutting
 - Embankment
 - Green Tunnel
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

- Sustainability Features**
- Ancient Woodland
 - Country Park
 - Habitat of Principal Importance
 - Local Nature Reserve (LNR)
 - National Trail
 - National Trust Ownership

Figure Number: WL-03-02

Figure Name: **Key Environmental Features Set 2 of 3**

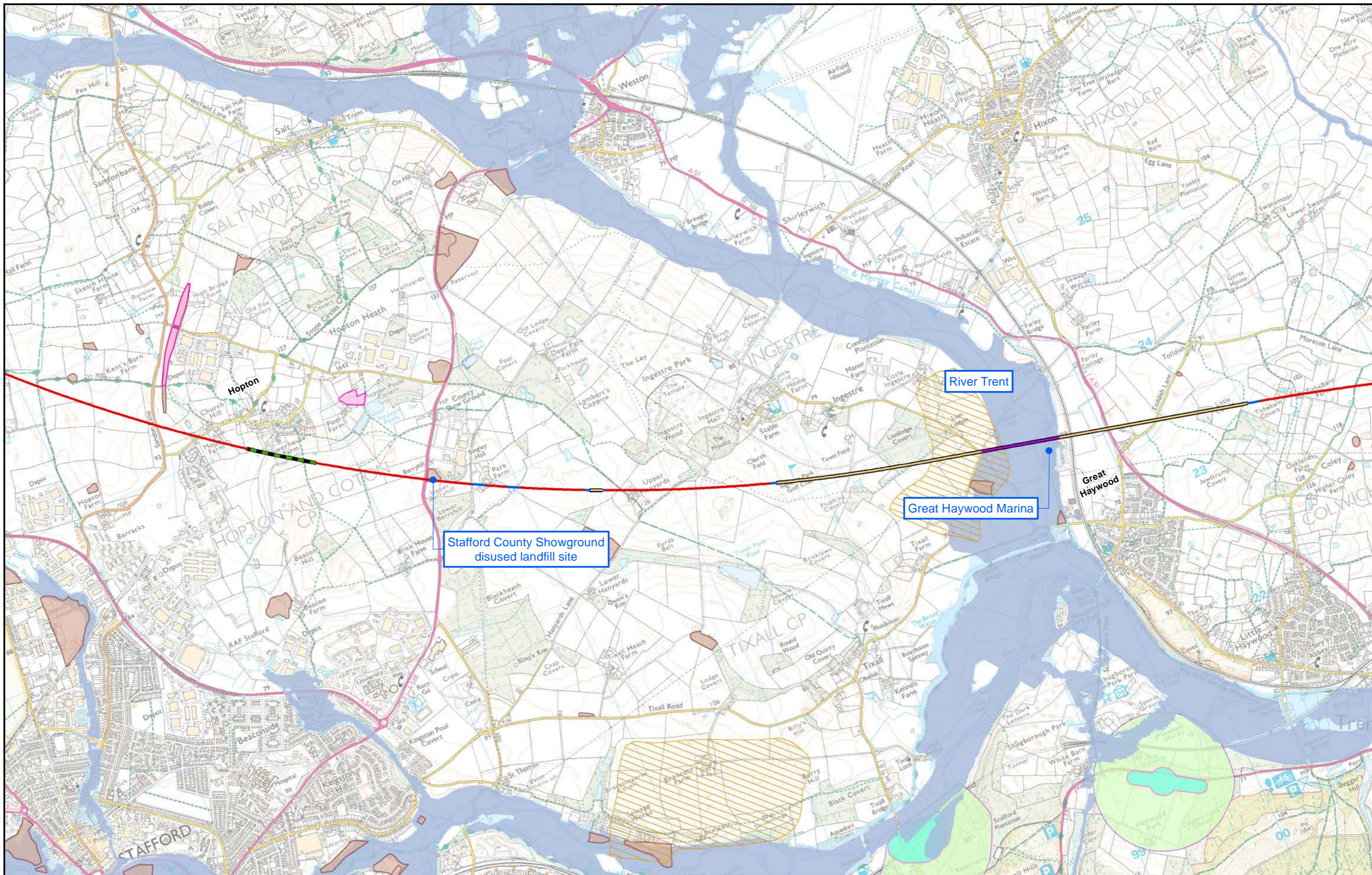
Route Name: HSM03

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-000018 Date: 03/07/13



Route Alignment

- At Grade
- Cutting
- Embankment
- Green Tunnel
- Tunnel
- Viaduct
- Station or Depot Operational Boundary

Sustainability Features

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

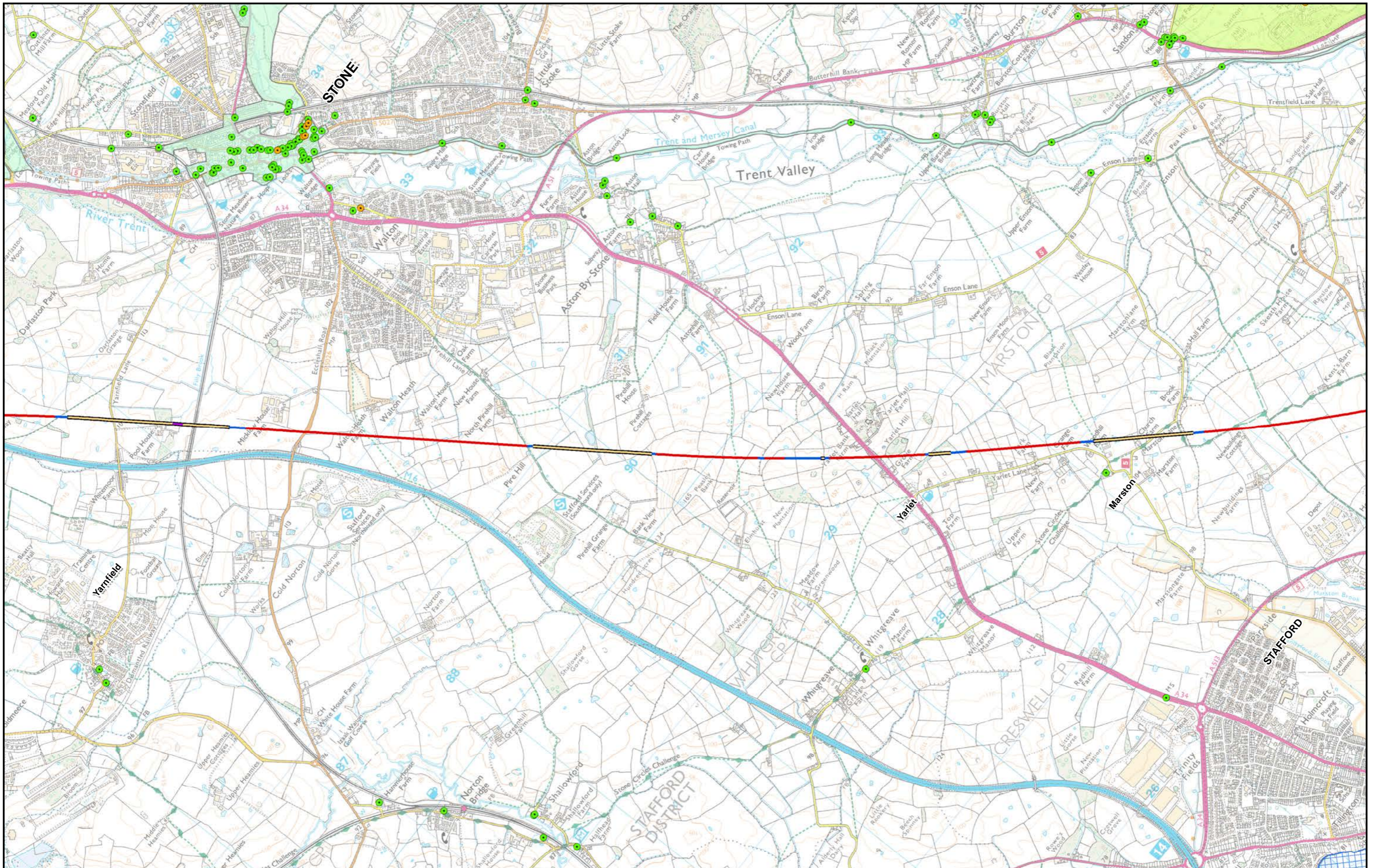
Figure Number:	WL-03-03
Figure Name:	Key Environmental Features Set 3 of 3
Route Name:	HSM03

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-000033
Date: 03/07/13



Route Alignment

	At Grade
	Cutting
	Embankment
	Green Tunnel
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features

	Listed Building Grade I		Ramsar Site		Conservation Area
	Listed Building Grade II*		Special Area of Conservation (SAC)		National Nature Reserve (NNR)
	Listed Building Grade II		Special Protection Area (SPA)		Registered Battlefield
	Scheduled Monument		Site of Special Scientific Interest (SSSI)		Registered Park and Garden

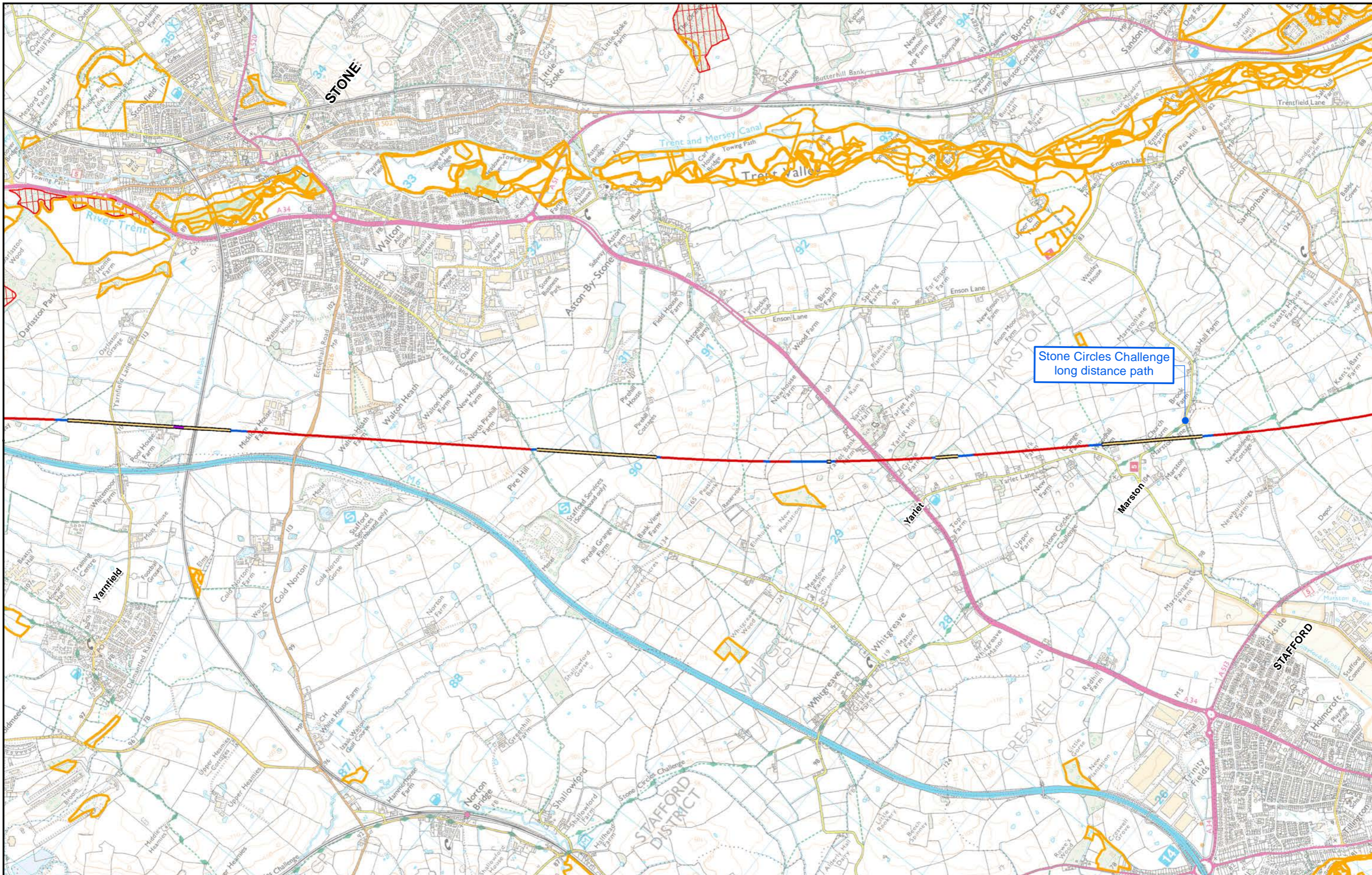
Figure Number:	WL-04-01
Figure Name:	Key Environmental Features Set 1 of 3
Route Name:	HSM03

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-000004 Date: 03/07/13



Stone Circles Challenge
long distance path

- Route Alignment**
- At Grade
 - Cutting
 - Embankment
 - Green Tunnel
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

- Sustainability Features**
- Ancient Woodland
 - Country Park
 - Habitat of Principal Importance
 - Local Nature Reserve (LNR)
 - National Trail
 - National Trust Ownership

Figure Number: WL-04-02

Figure Name: **Key Environmental Features Set 2 of 3**

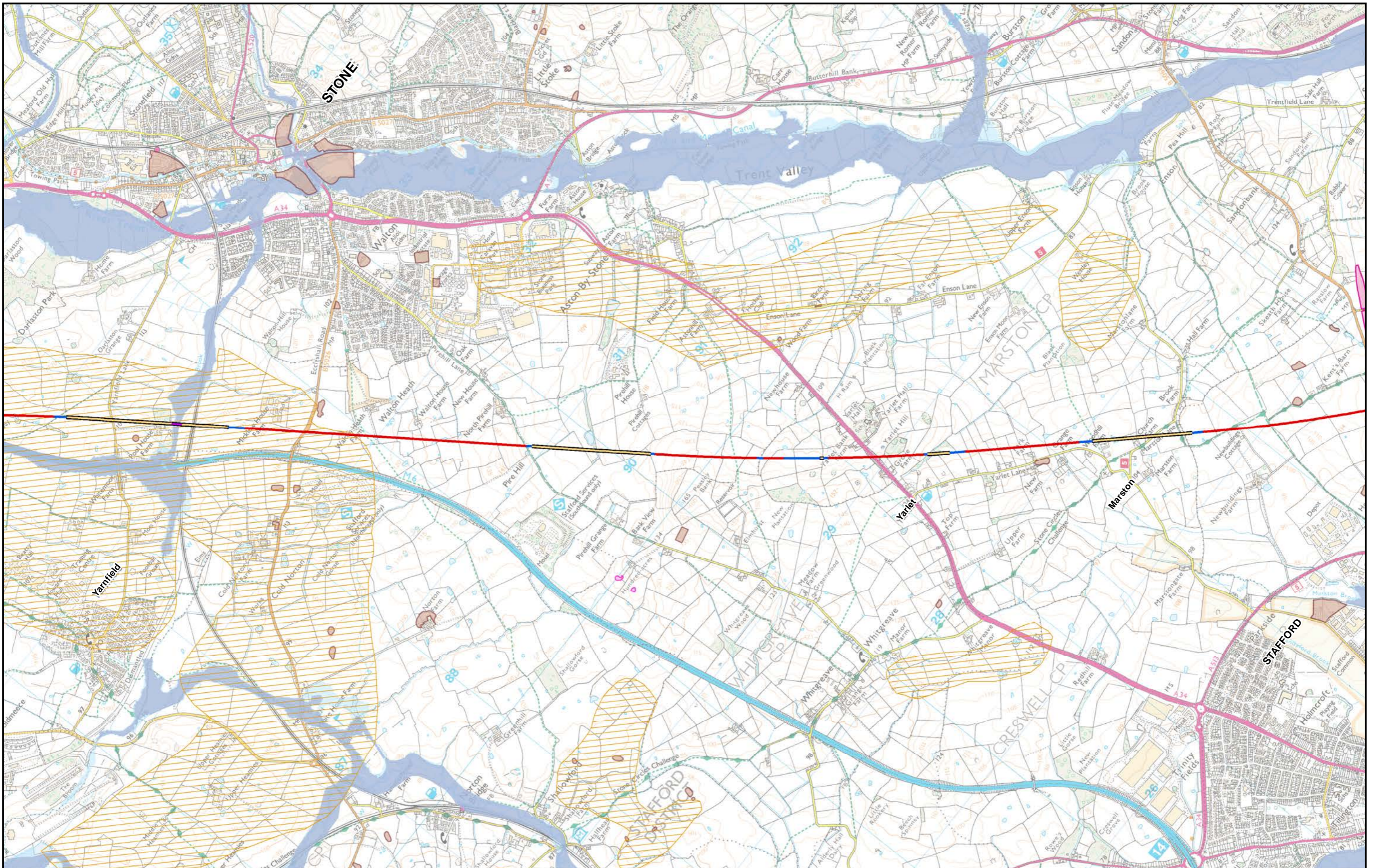
Route Name: HSM03

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-000019 **Date:** 03/07/13




- Route Alignment**
- At Grade
 - Cutting
 - Embankment
 - Green Tunnel
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

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

Figure Number: WL-04-03


Figure Name: **Key Environmental Features Set 3 of 3**

Route Name: HSM03

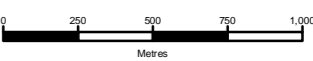


TEMPLE ERM

Temple ERM 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.

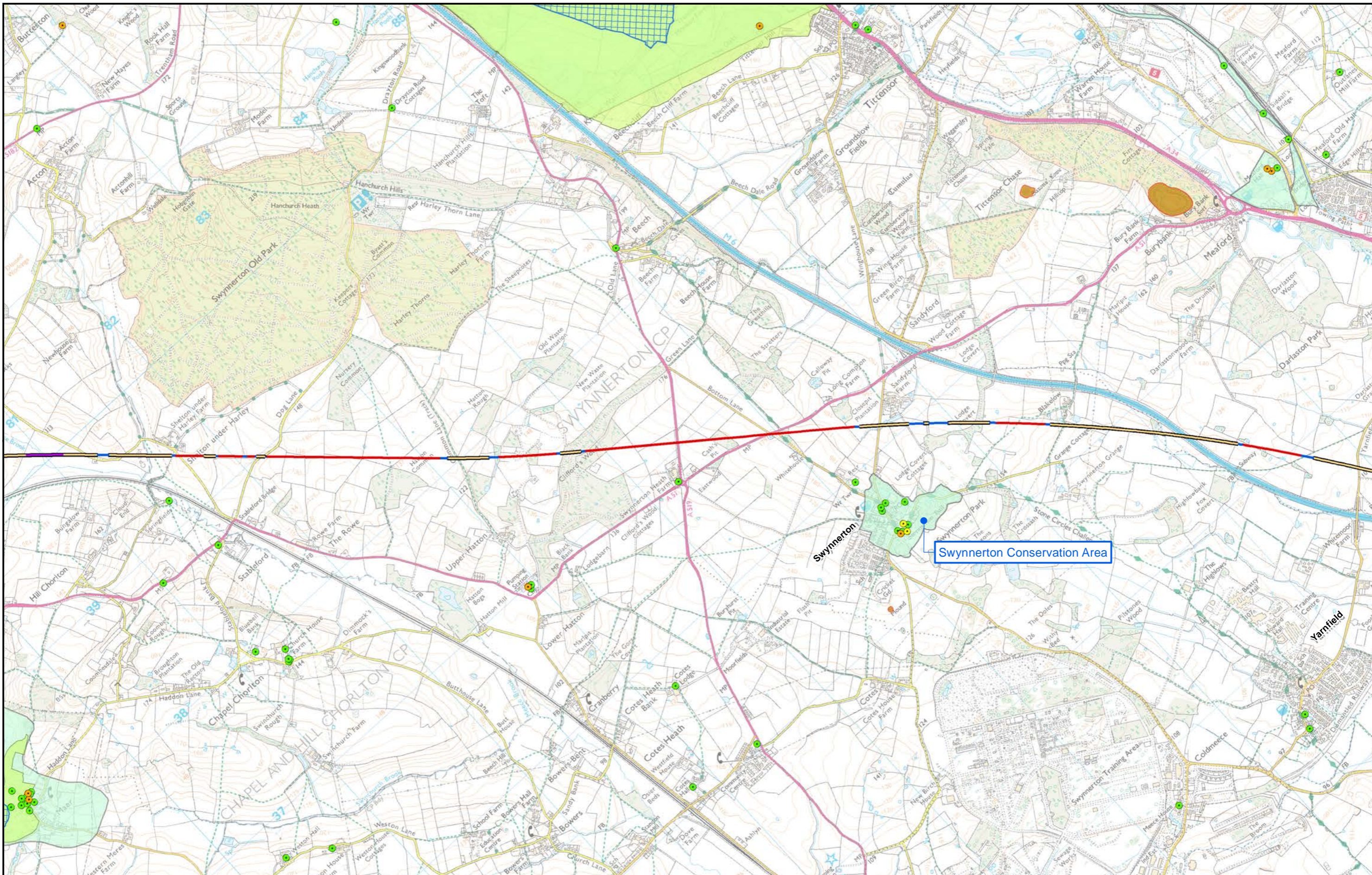


Scale at A3: 1:25,000



0 250 500 750 1,000 Metres

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190. Map Number: LMH-TGL-EV-MAP-200-000034 Date: 03/07/13



Route Alignment

- At Grade
- Cutting
- Embankment
- Green Tunnel
- Tunnel
- Viaduct
- Station or Depot Operational Boundary

Sustainability Features

● Listed Building Grade I	 Ramsar Site	 Conservation Area
● Listed Building Grade II*	 Special Area of Conservation (SAC)	 National Nature Reserve (NNR)
● Listed Building Grade II	 Special Protection Area (SPA)	 Registered Battlefield
 Scheduled Monument	 Site of Special Scientific Interest (SSSI)	 Registered Park and Garden

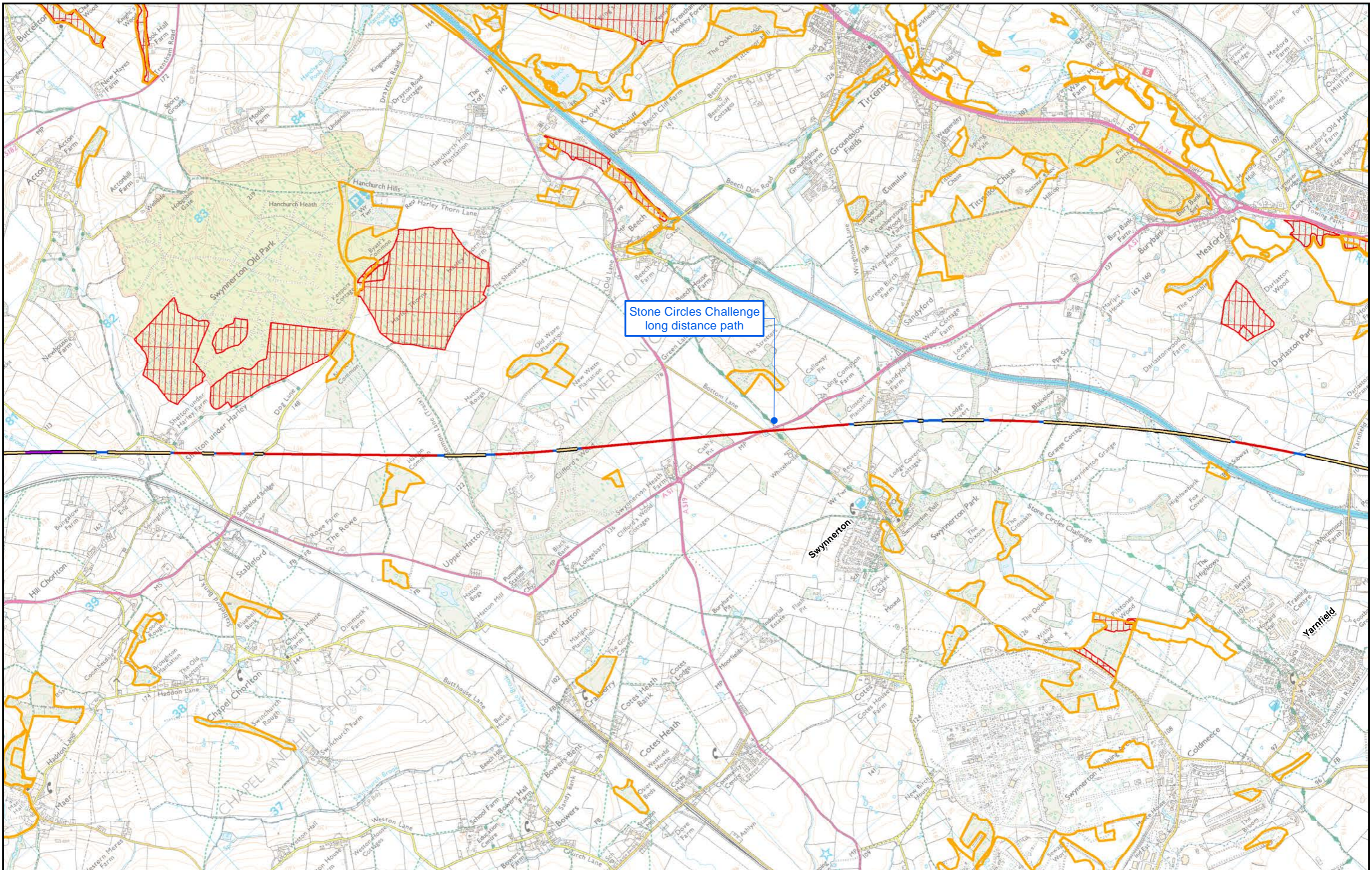
Figure Number:	WL-05-01
Figure Name:	Key Environmental Features Set 1 of 3
Route Name:	HSM03 / HSM06

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013.
Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-000005
Date: 03/07/13



- Route Alignment**
- At Grade
 - Cutting
 - Embankment
 - Green Tunnel
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

- Sustainability Features**
- Ancient Woodland
 - Country Park
 - Habitat of Principal Importance
 - Local Nature Reserve (LNR)
 - National Trail
 - National Trust Ownership

Figure Number: WL-05-02

Figure Name: **Key Environmental Features Set 2 of 3**

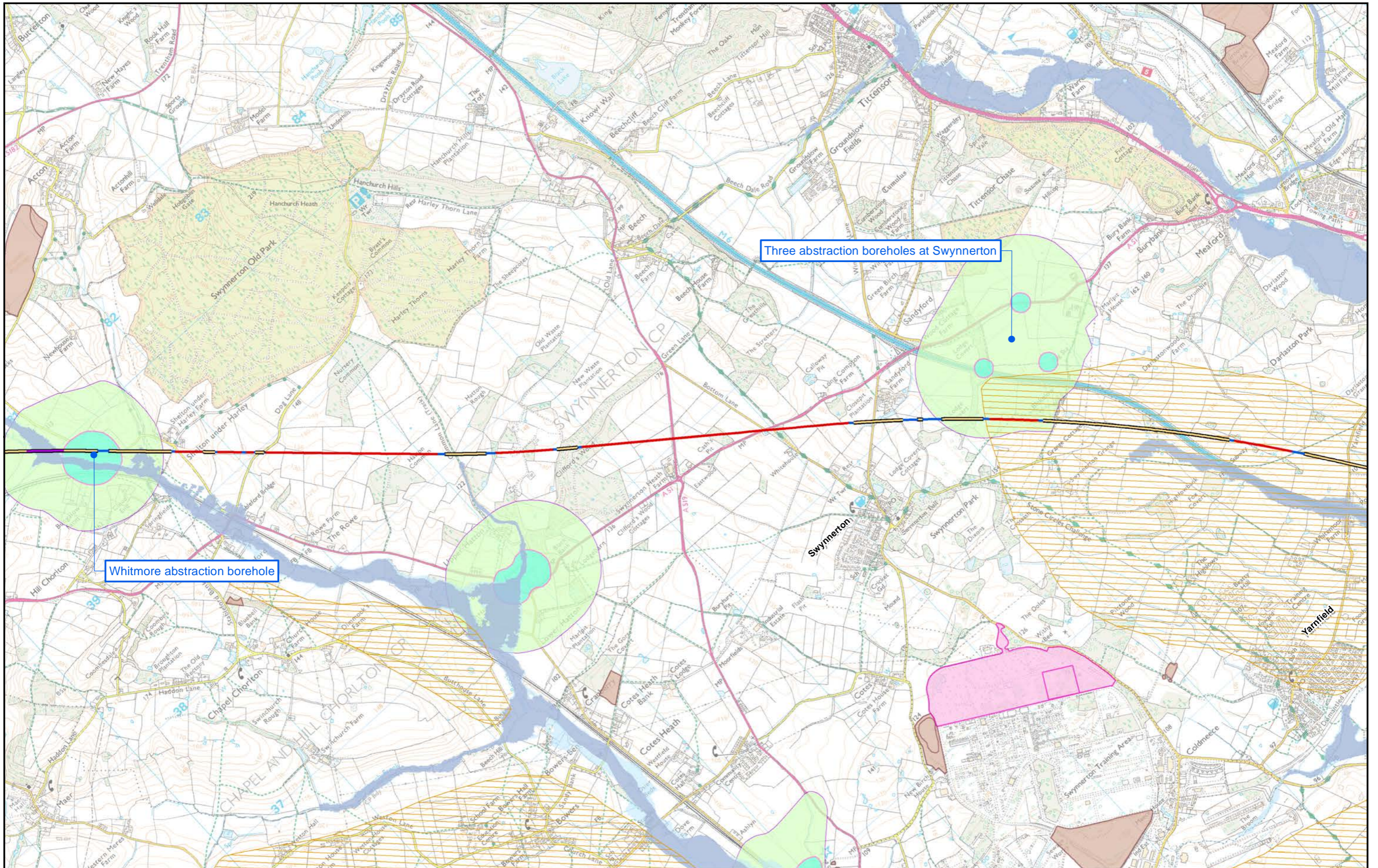
Route Name: HSM03 / HSM06

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-000020 **Date: 03/07/13**



Three abstraction boreholes at Swynnerton

Whitmore abstraction borehole

- Route Alignment**
- At Grade
 - Cutting
 - Embankment
 - Green Tunnel
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

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

Figure Number: WL-05-03

Figure Name: Key Environmental Features Set 3 of 3

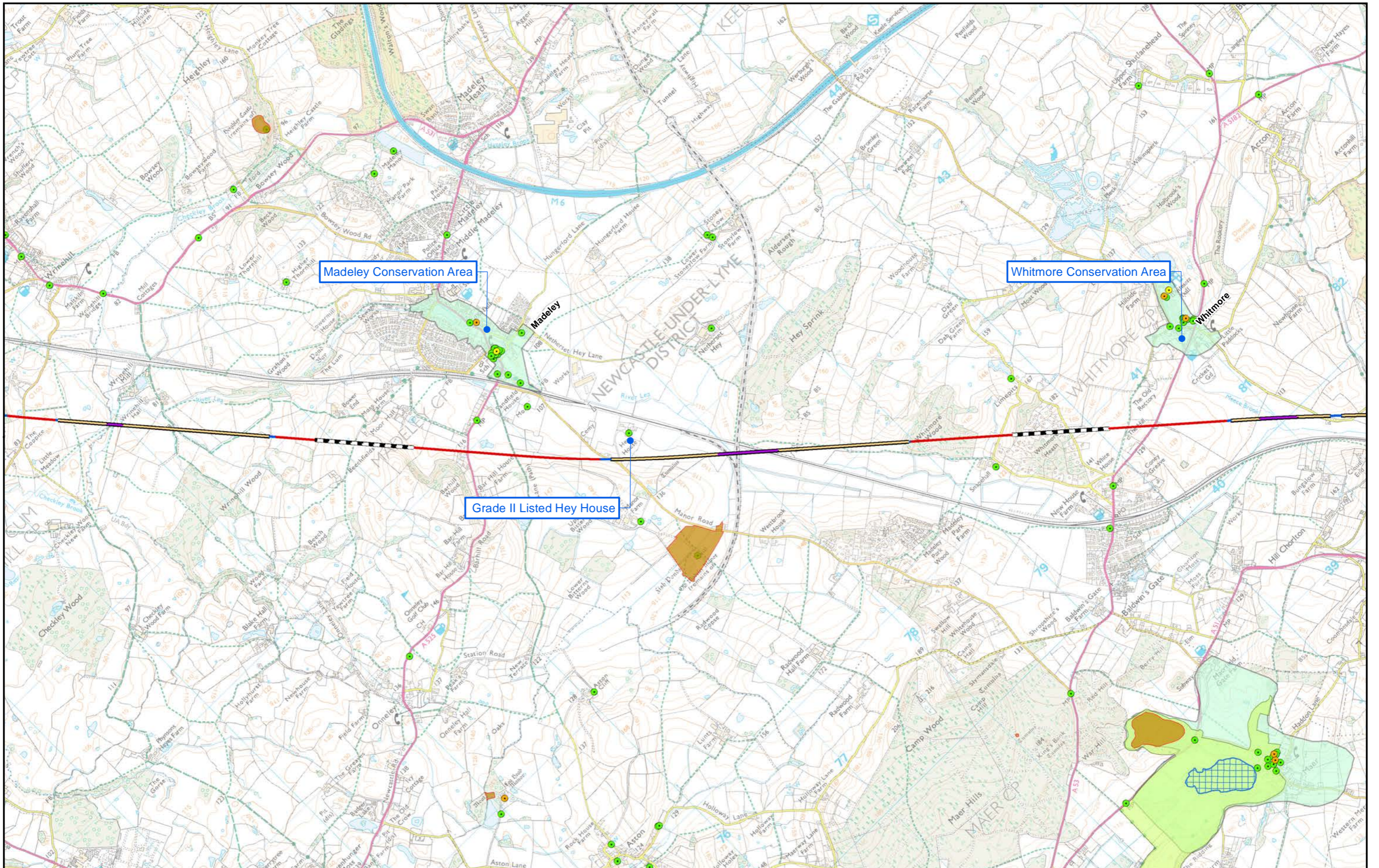
Route Name: HSM03 / HSM06

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-000035 Date: 03/07/13



Route Alignment

	At Grade
	Cutting
	Embankment
	Green Tunnel
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features

	Listed Building Grade I		Ramsar Site		Conservation Area
	Listed Building Grade II*		Special Area of Conservation (SAC)		National Nature Reserve (NNR)
	Listed Building Grade II		Special Protection Area (SPA)		Registered Battlefield
	Scheduled Monument		Site of Special Scientific Interest (SSSI)		Registered Park and Garden

Figure Number:	WL-06-01
Figure Name:	Key Environmental Features Set 1 of 3
Route Name:	HSM06 / HSM08

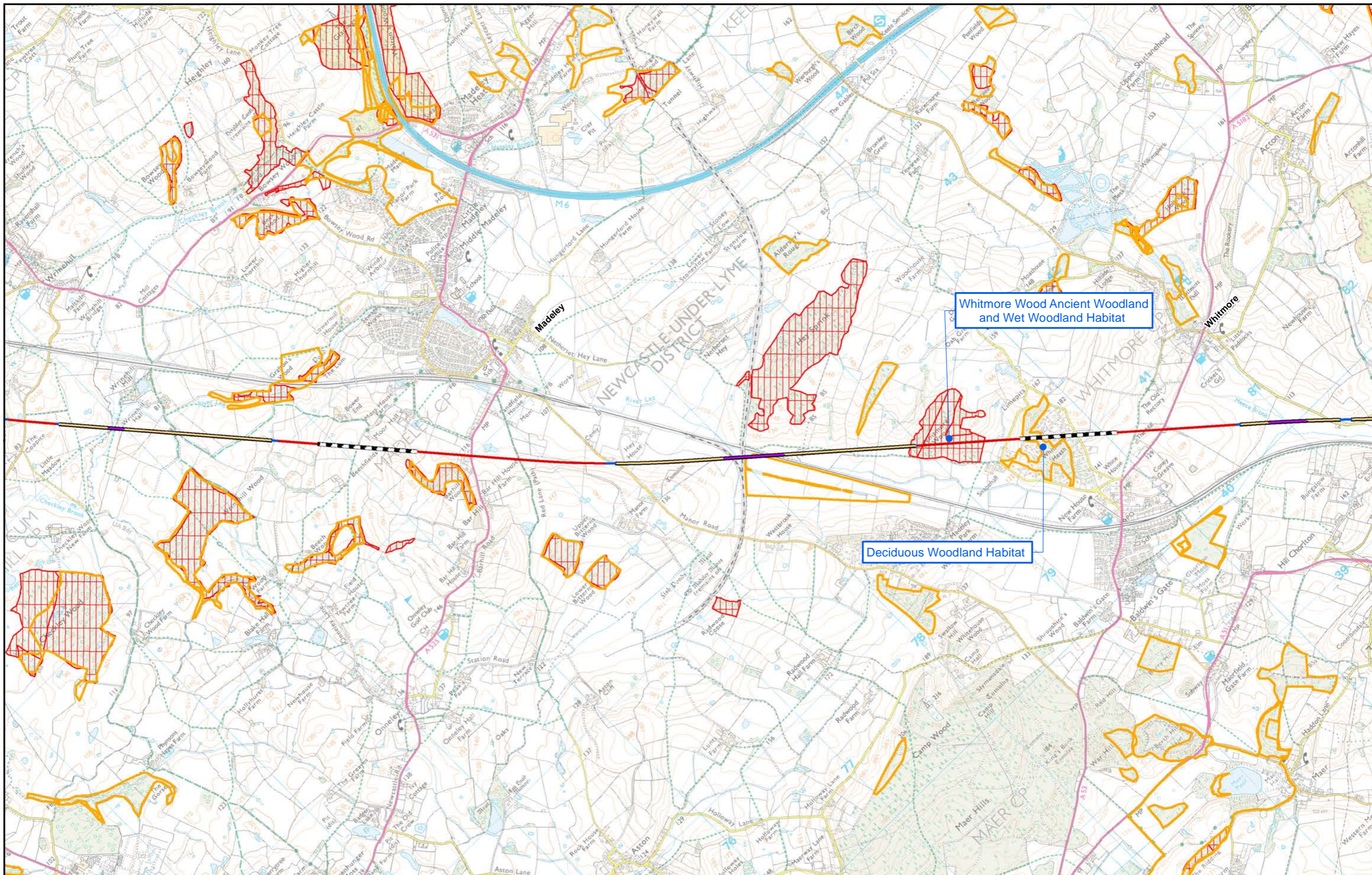
TEMPLE ERM

Temple ERM 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: 1:25,000

0 250 500 750 1,000 Metres

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190. Map Number: LMH-TGL-EV-MAP-200-000006 Date: 03/07/13




- Route Alignment**
- At Grade
 - Cutting
 - Embankment
 - Green Tunnel
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

- Sustainability Features**
- Ancient Woodland
 - Country Park
 - Habitat of Principal Importance
 - Local Nature Reserve (LNR)
 - National Trail
 - National Trust Ownership

Figure Number: WL-06-02


Figure Name: **Key Environmental Features Set 2 of 3**

Route Name: HSM06 / HSM08

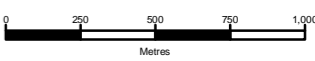


© Crown copyright and database rights 2013.
Ordnance Survey Licence Number 100049190.

Temple ERM 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.



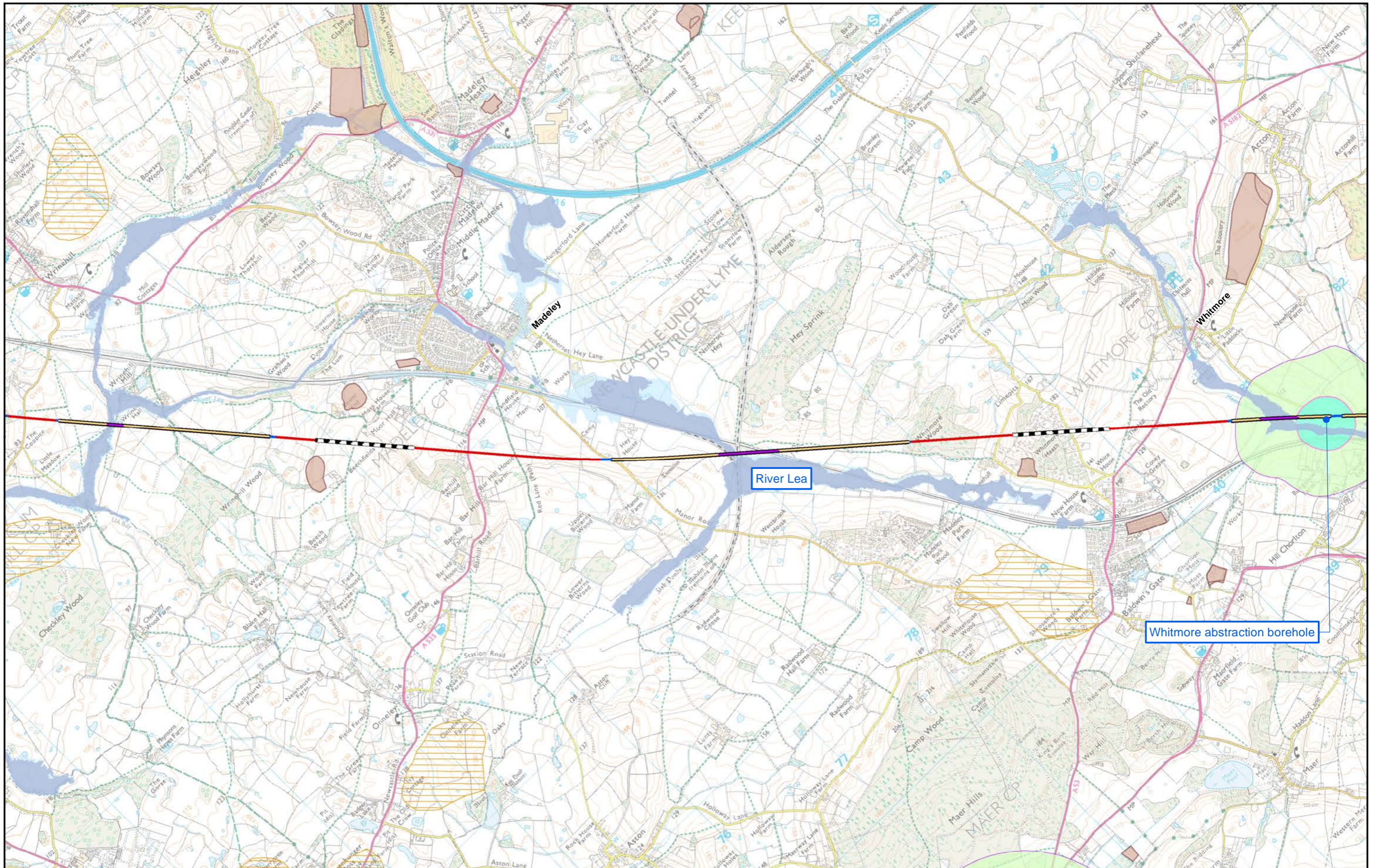
Scale at A3: 1:25,000



Metres

Map Number: LMH-TGL-EV-MAP-200-000021

Date: 03/07/13



Route Alignment

	At Grade
	Cutting
	Embankment
	Green Tunnel
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features

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

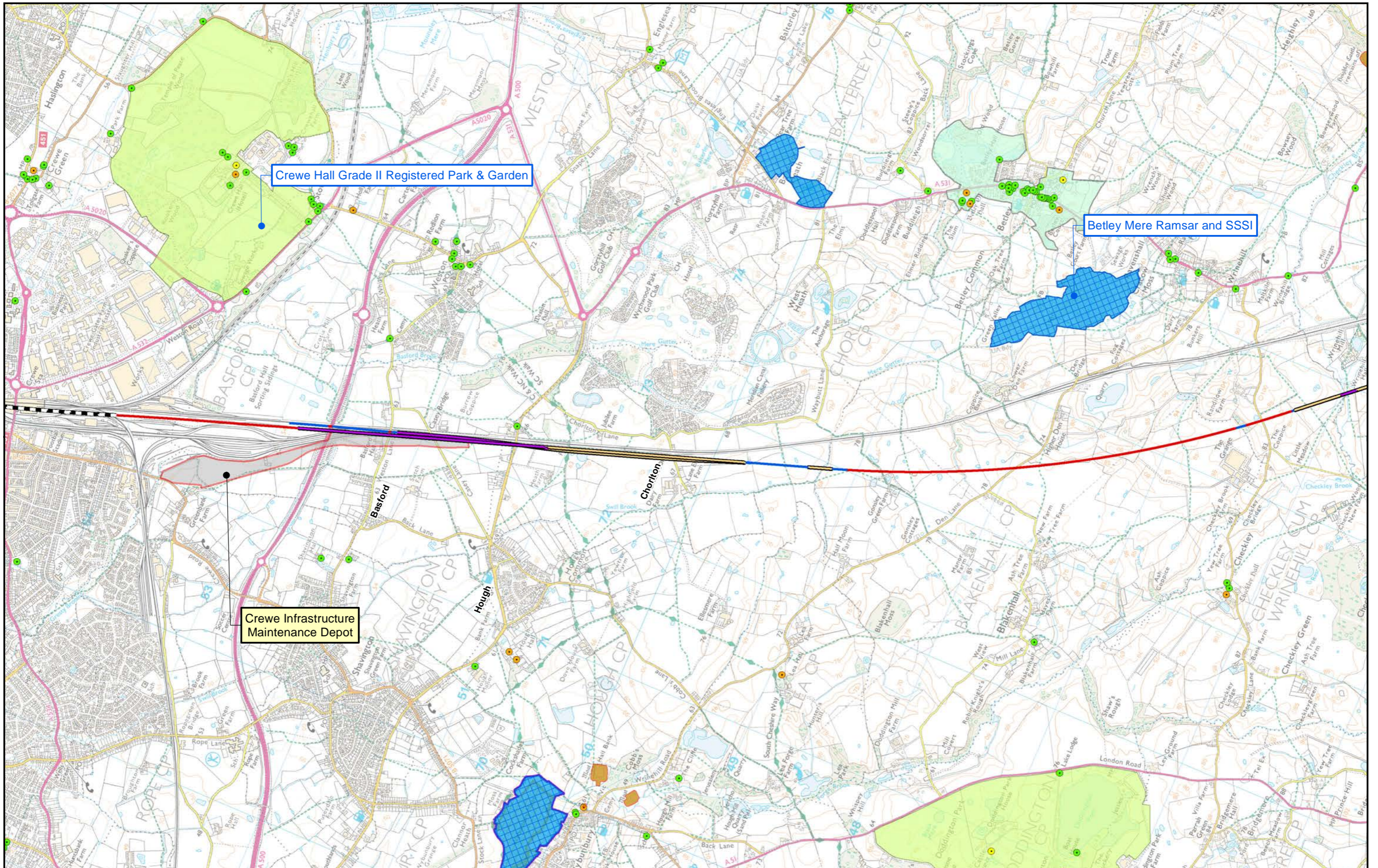
Figure Number:	WL-06-03
Figure Name:	Key Environmental Features Set 3 of 3
Route Name:	HSM06 / HSM08

TEMPLE ERM

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.
 Map Number: LMH-TGL-EV-MAP-200-000036 Date: 03/07/13



Route Alignment

	At Grade
	Cutting
	Embankment
	Green Tunnel
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features

	Listed Building Grade I		Ramsar Site		Conservation Area
	Listed Building Grade II*		Special Area of Conservation (SAC)		National Nature Reserve (NNR)
	Listed Building Grade II		Special Protection Area (SPA)		Registered Battlefield
	Scheduled Monument		Site of Special Scientific Interest (SSSI)		Registered Park and Garden

Figure Number:	WL-07-01
Figure Name:	Key Environmental Features Set 1 of 3
Route Name:	HSM08 / HSM10

Figure Name: Key Environmental Features Set 1 of 3

Route Name: HSM08 / HSM10

Figure Number: WL-07-01

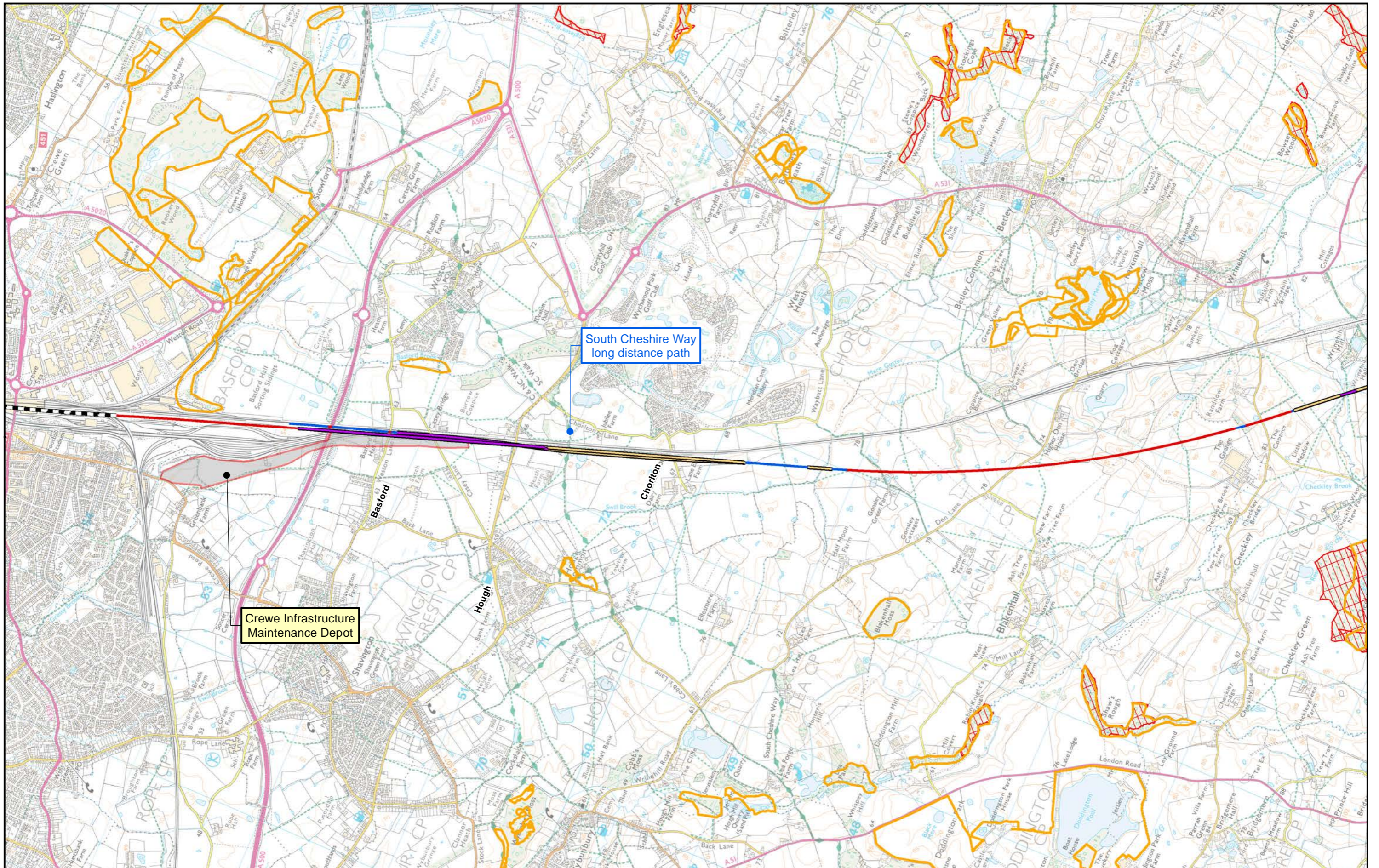
Scale at A3: 1:25,000

Map Number: LMH-TGL-EV-MAP-200-00007

Date: 03/07/13

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Temple ERM logo and disclaimer: Temple ERM 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.



Route Alignment

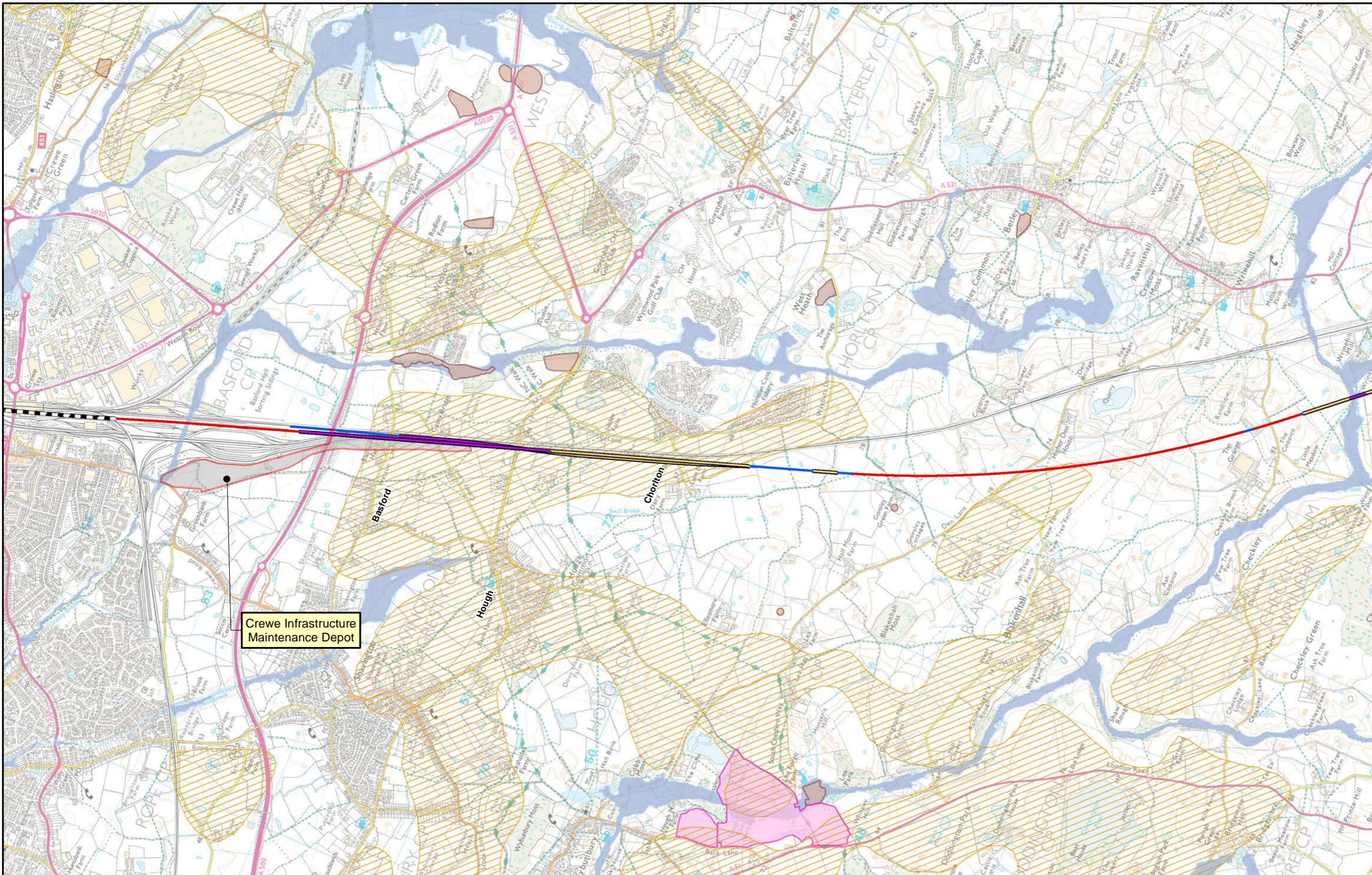
	At Grade
	Cutting
	Embankment
	Green Tunnel
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features

	Ancient Woodland		Local Nature Reserve (LNR)
	Country Park		National Trail
	Habitat of Principal Importance		National Trust Ownership

Figure Number:	WL-07-02
Figure Name:	Key Environmental Features Set 2 of 3
Route Name:	HSM08 / HSM10

	<p>Scale at A3: 1:25,000</p>
<p>© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.</p> <p>Map Number: LMH-TGL-EV-MAP-200-000022</p>	<p>Temple ERM 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>Date: 03/07/13</p>



- Route Alignment**
- At Grade
 - Cutting
 - Embankment
 - Green Tunnel
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

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

Figure Number: WL-07-03

Figure Name: **Key Environmental Features Set 3 of 3**

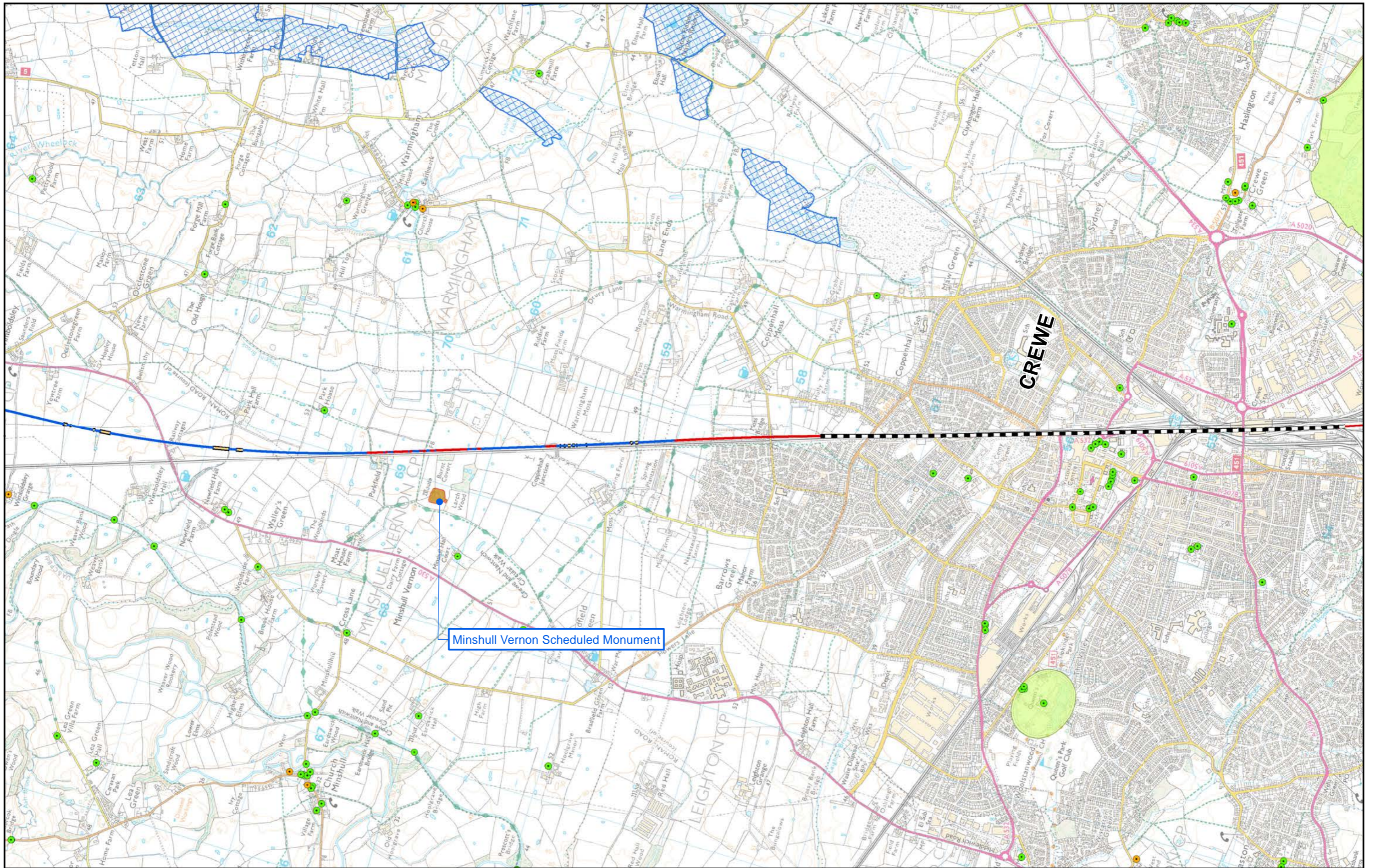
Route Name: HSM08 / HSM10

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-000037 Date: 03/07/13



Route Alignment

- At Grade
- Cutting
- Embankment
- Green Tunnel
- Tunnel
- Viaduct
- Station or Depot Operational Boundary

Sustainability Features

● Listed Building Grade I	 Ramsar Site	 Conservation Area
● Listed Building Grade II*	 Special Area of Conservation (SAC)	 National Nature Reserve (NNR)
● Listed Building Grade II	 Special Protection Area (SPA)	 Registered Battlefield
 Scheduled Monument	 Site of Special Scientific Interest (SSSI)	 Registered Park and Garden

Figure Number: WL-08-01

Figure Name: **Key Environmental Features**
Set 1 of 3

Route Name: HSM10

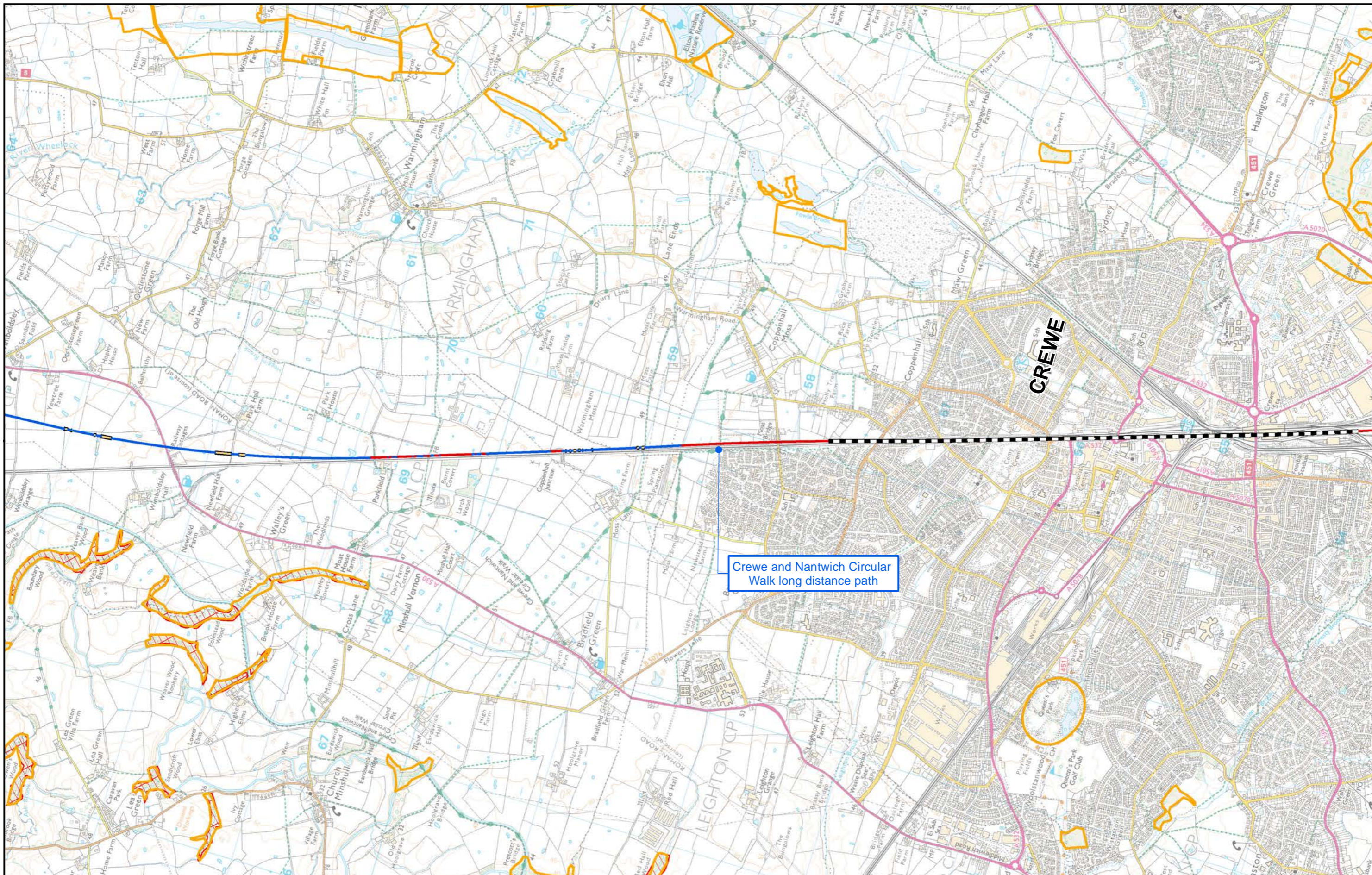
Temple ERM accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

Scale at A3: 1:25,000

Metres

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-000008
Date: 03/07/13



Crewe and Nantwich Circular Walk long distance path

Route Alignment

	At Grade
	Cutting
	Embankment
	Green Tunnel
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features

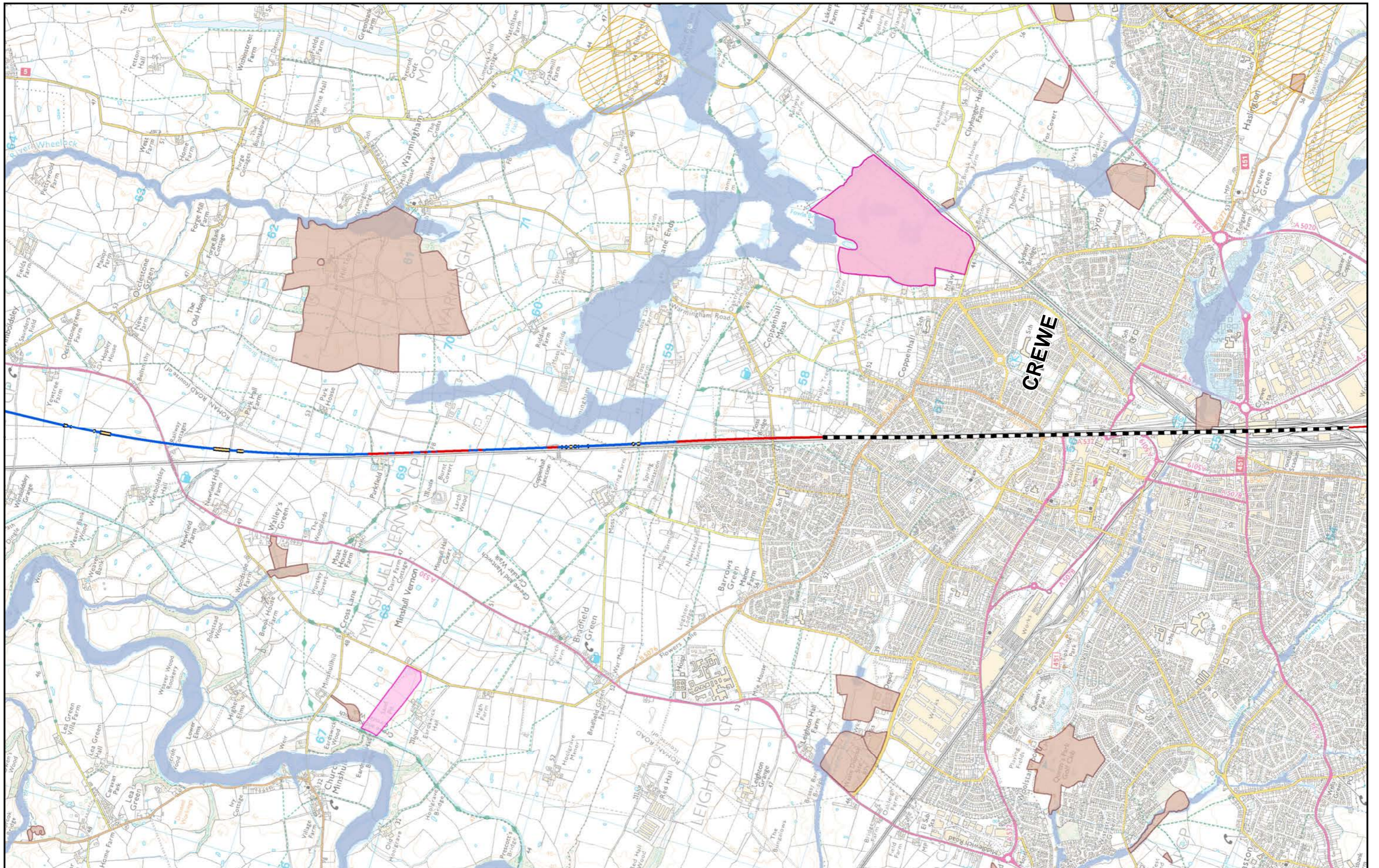
	Ancient Woodland		Local Nature Reserve (LNR)
	Country Park		National Trail
	Habitat of Principal Importance		National Trust Ownership

Figure Number:	WL-08-02
Figure Name:	Key Environmental Features Set 2 of 3
Route Name:	HSM10

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.
 Map Number: LMH-TGL-EV-MAP-200-000023 Date: 03/07/13



- Route Alignment**
- At Grade
 - Cutting
 - Embankment
 - Green Tunnel
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

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

Figure Number: WL-08-03

Figure Name: **Key Environmental Features**
Set 3 of 3

Route Name: HSM10

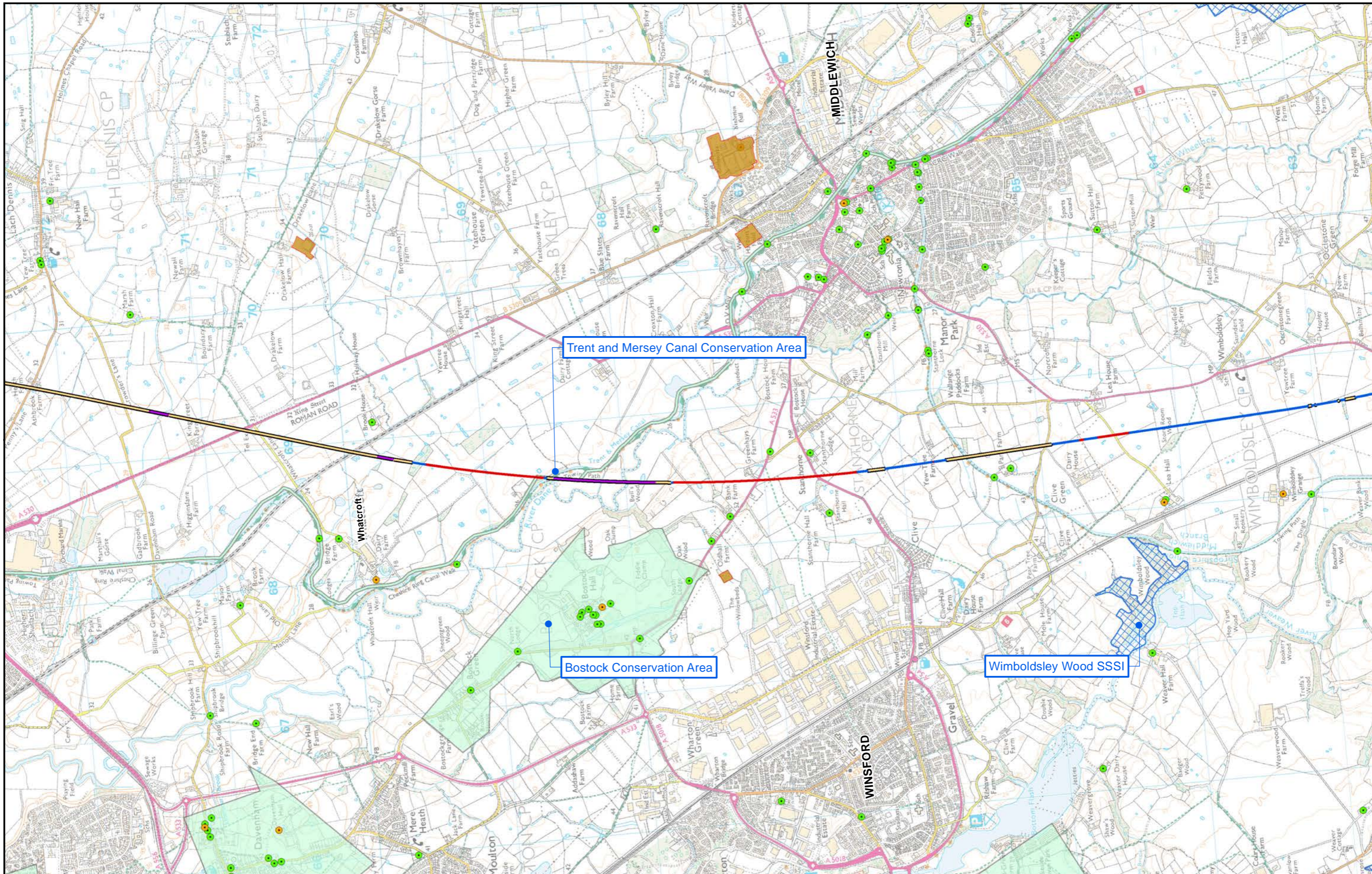
TEMPLE ERM

Temple ERM 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: 1:25,000

0 250 500 750 1,000 Metres

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.
Map Number: LMH-TGL-EV-MAP-200-000038 **Date: 03/07/13**



Trent and Mersey Canal Conservation Area

Bostock Conservation Area

Wimboldsley Wood SSSI

- Route Alignment**
- At Grade
 - Cutting
 - Embankment
 - Green Tunnel
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

- 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)
 - Conservation Area
 - National Nature Reserve (NNR)
 - Registered Battlefield
 - Registered Park and Garden

Figure Number: WL-09-01
 Figure Name: Key Environmental Features Set 1 of 3
 Route Name: HSM10

TEMPLE ERM

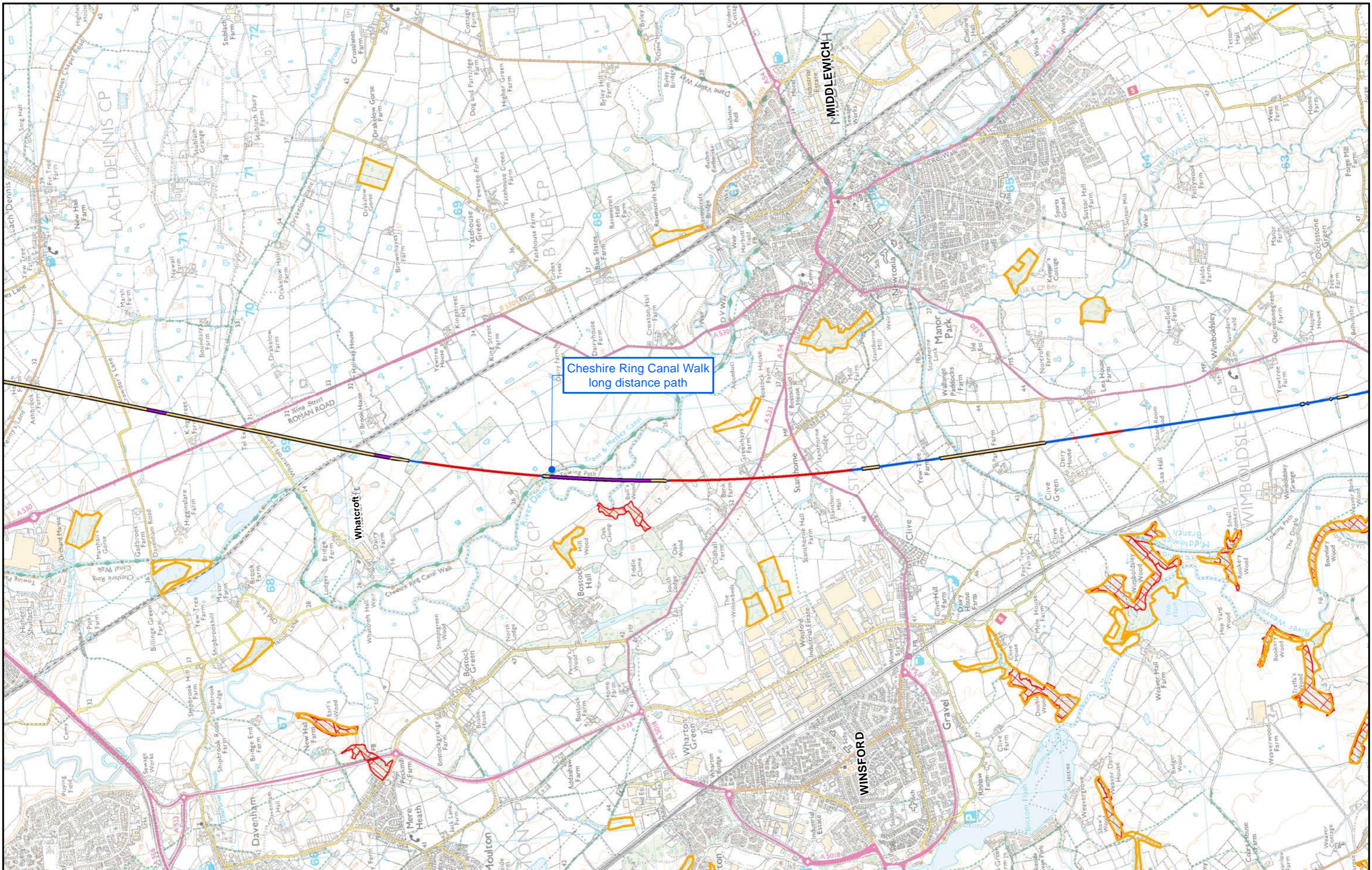
Scale at A3: 1:25,000

0 250 500 750 1,000 Metres

Temple ERM 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.

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-000009 Date: 03/07/13



Cheshire Ring Canal Walk
long distance path

- Route Alignment**
- At Grade
 - Cutting
 - Embankment
 - Green Tunnel
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

- Sustainability Features**
- Ancient Woodland
 - Country Park
 - Habitat of Principal Importance
 - Local Nature Reserve (LNR)
 - National Trail
 - National Trust Ownership

Figure Number: WL-09-02

Figure Name: **Key Environmental Features**
Set 2 of 3

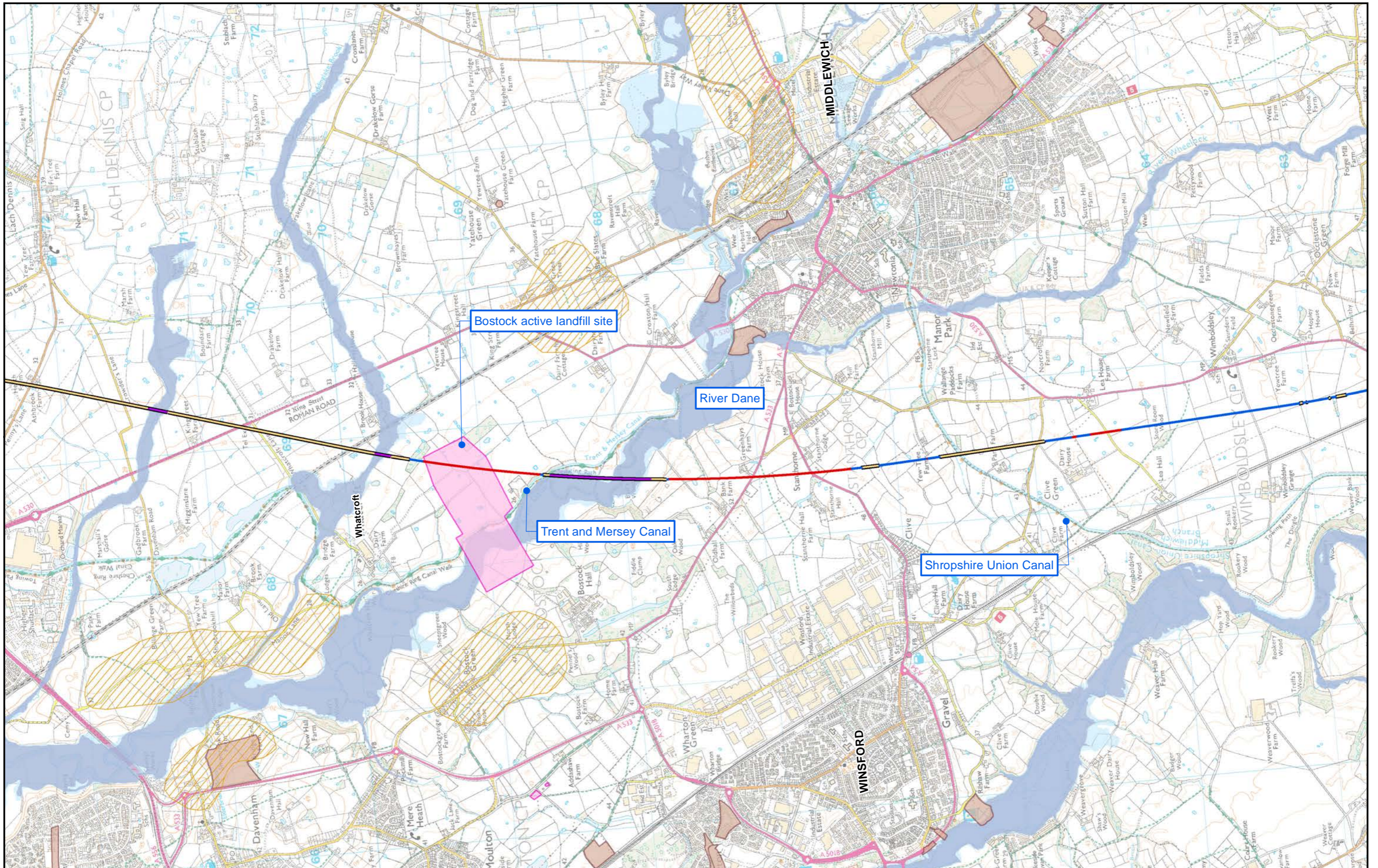
Route Name: HSM10

Map Number: LMH-TGL-EV-MAP-200-00024

Scale at A3: 1:25,000

Temple ERM 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.

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190. Date: 03/07/13



- Route Alignment**
- At Grade
 - Cutting
 - Embankment
 - Green Tunnel
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

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

Figure Number: WL-09-03

Figure Name: **Key Environmental Features Set 3 of 3**

Route Name: HSM10

Figure Name: **Key Environmental Features Set 3 of 3**

Route Name: HSM10

Figure Number: WL-09-03

Scale at A3: 1:25,000

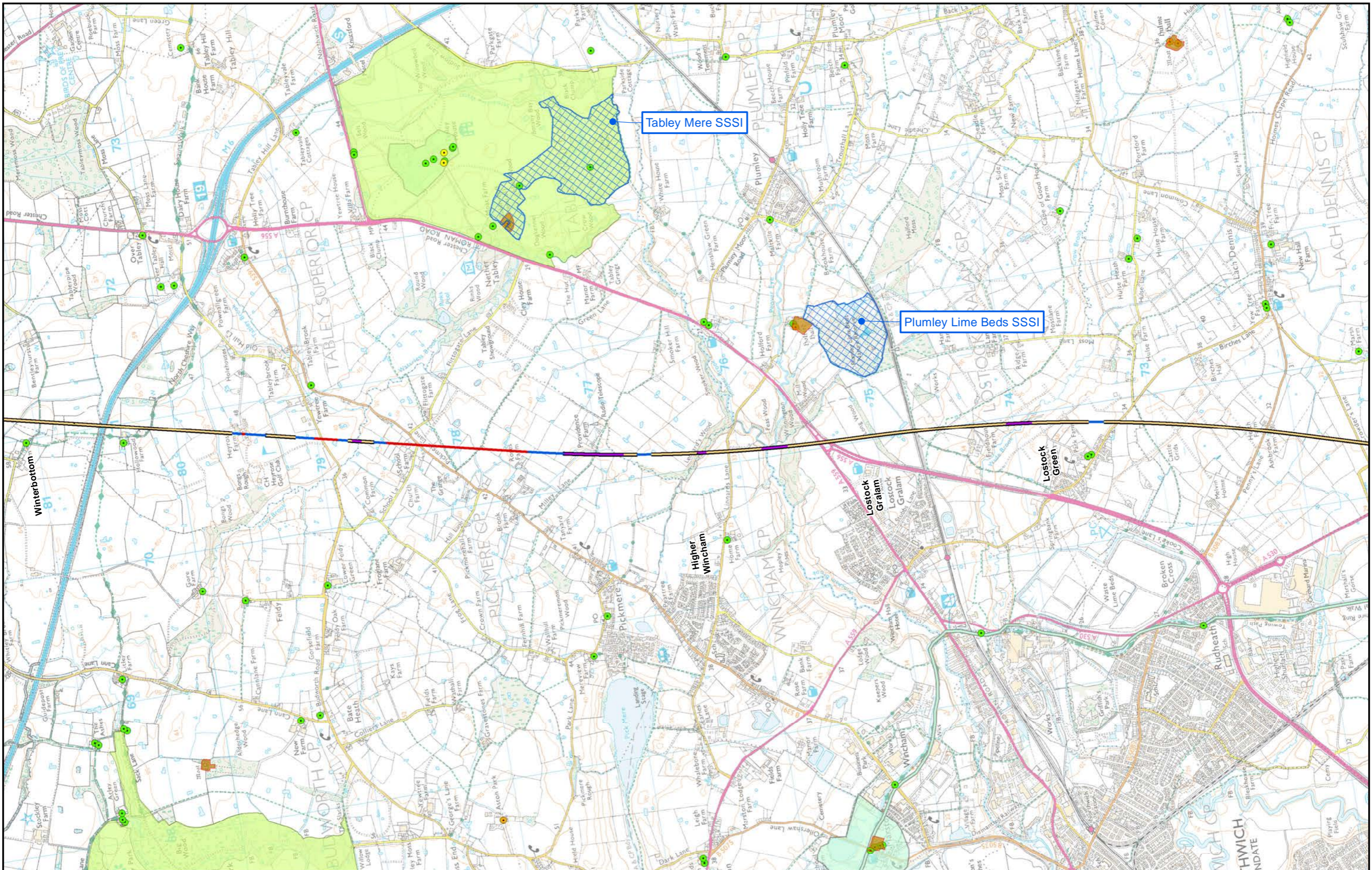
0 250 500 750 1,000 Metres

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-000039 Date: 03/07/13

Temple ERM logo and disclaimer: Temple ERM 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.

North arrow icon



Route Alignment

- At Grade
- Cutting
- Embankment
- Green Tunnel
- Tunnel
- Viaduct
- Station or Depot Operational Boundary

Sustainability Features

Listed Building Grade I	Ramsar Site	Conservation Area
Listed Building Grade II*	Special Area of Conservation (SAC)	National Nature Reserve (NNR)
Listed Building Grade II	Special Protection Area (SPA)	Registered Battlefield
Scheduled Monument	Site of Special Scientific Interest (SSSI)	Registered Park and Garden

Figure Number: WL-10-01

Figure Name: **Key Environmental Features**
Set 1 of 3

Route Name: HSM10 / HSM12 / HSM28

TEMPLE ERM

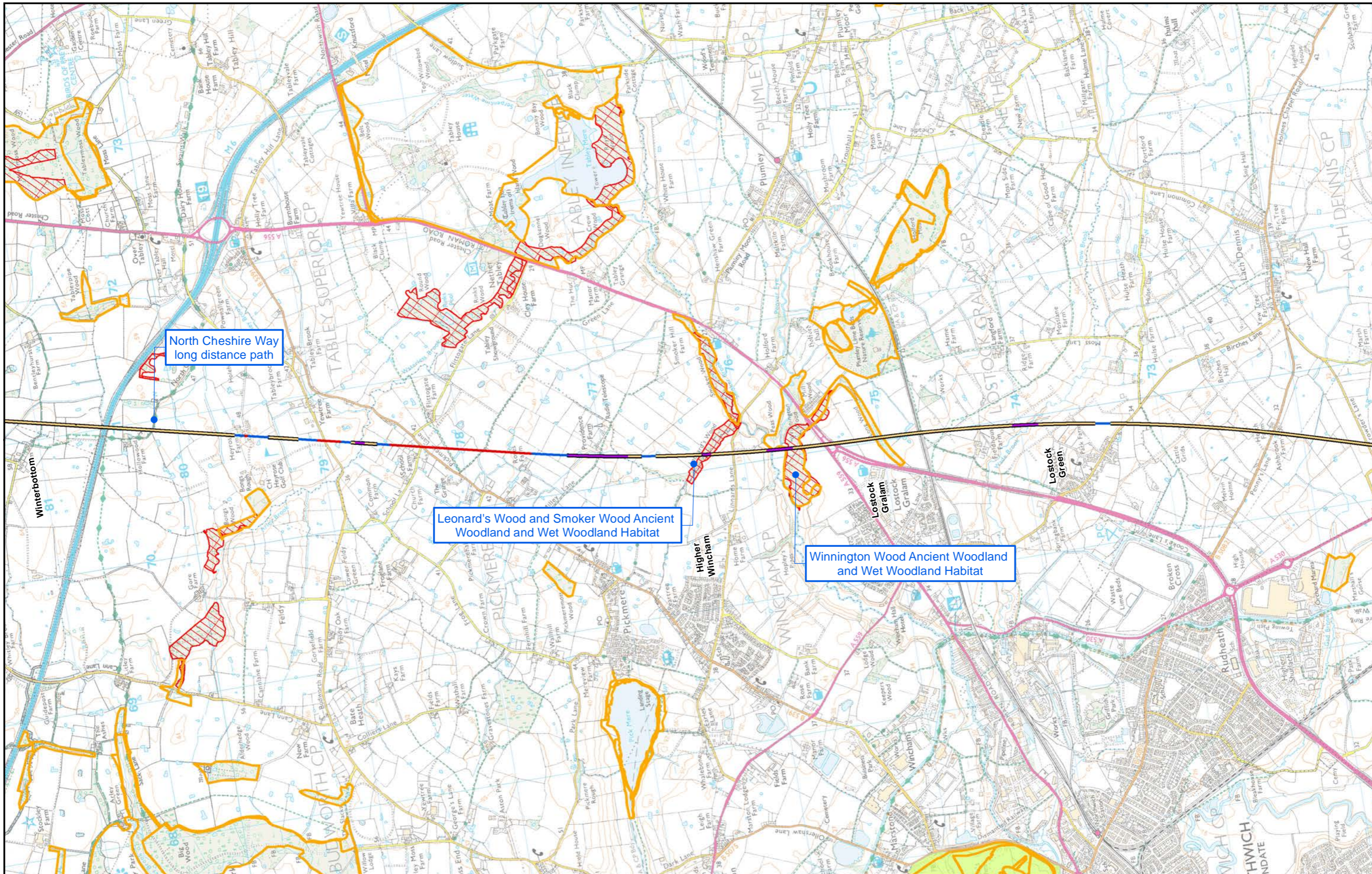
Scale at A3: 1:25,000

Map Number: LMH-TGL-EV-MAP-200-00010

Date: 03/07/13

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Temple ERM 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.



- Route Alignment**
- At Grade
 - Cutting
 - Embankment
 - Green Tunnel
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

- Sustainability Features**
- Ancient Woodland
 - Country Park
 - Habitat of Principal Importance
 - Local Nature Reserve (LNR)
 - National Trail
 - National Trust Ownership

Figure Number: WL-10-02

Figure Name: **Key Environmental Features Set 2 of 3**

Route Name: HSM10 / HSM12 / HSM28

Figure Number: WL-10-02

Figure Name: **Key Environmental Features Set 2 of 3**

Route Name: HSM10 / HSM12 / HSM28

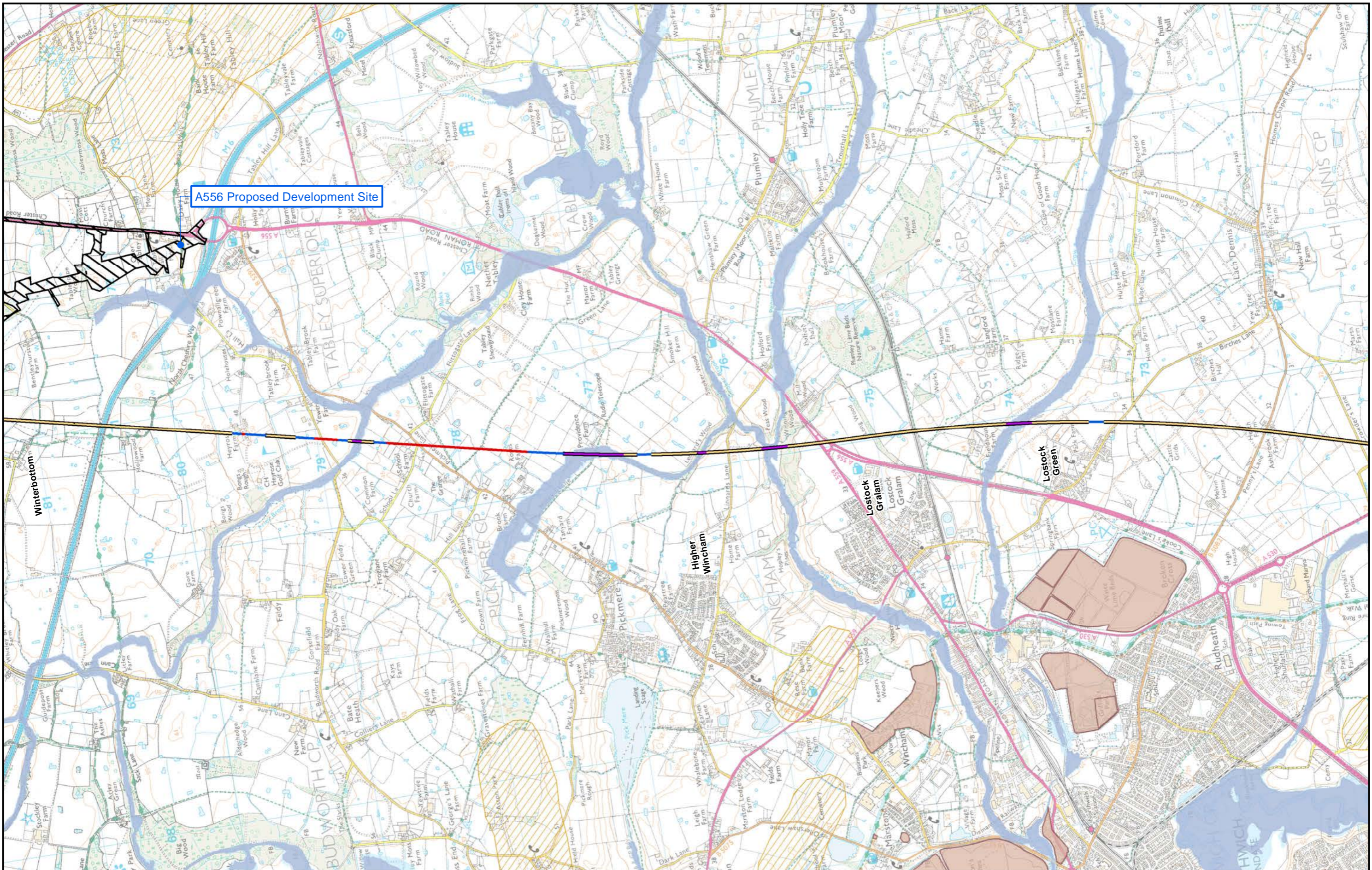
Scale at A3: 1:25,000

0 250 500 750 1,000 Metres

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-000025 Date: 03/07/13

Temple ERM 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.



- Route Alignment**
- At Grade
 - Cutting
 - Embankment
 - Green Tunnel
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

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

Figure Number: WL-10-03

Figure Name: **Key Environmental Features**
Set 3 of 3

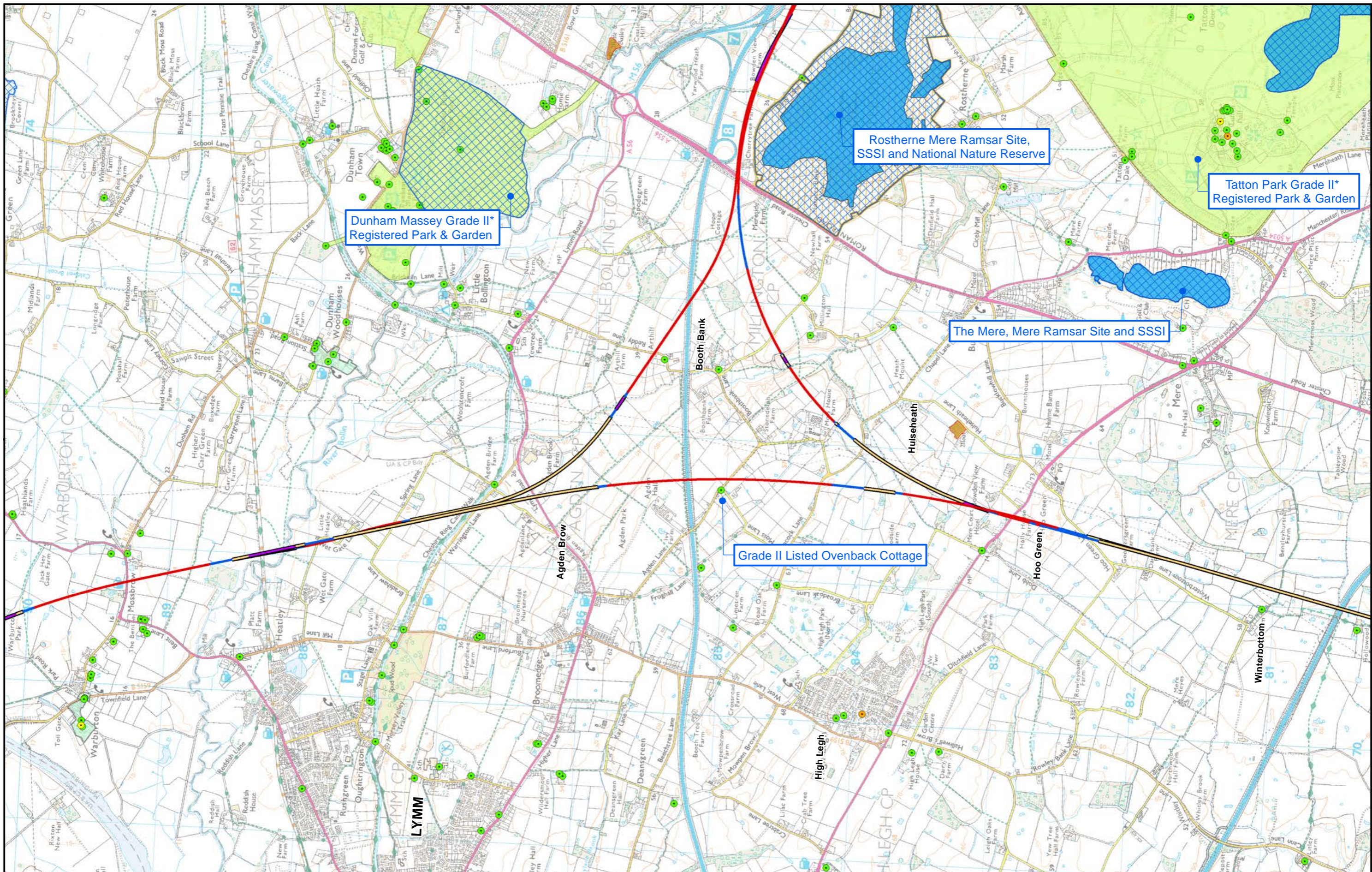
Route Name: HSM10 / HSM12 / HSM28

Map Number: LMH-TGL-EV-MAP-200-000040

Scale at A3: 1:25,000

Date: 03/07/13

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190. Temple ERM 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.



Route Alignment

	At Grade
	Cutting
	Embankment
	Green Tunnel
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features

	Listed Building Grade I		Ramsar Site		Conservation Area
	Listed Building Grade II*		Special Area of Conservation (SAC)		National Nature Reserve (NNR)
	Listed Building Grade II		Special Protection Area (SPA)		Registered Battlefield
	Scheduled Monument		Site of Special Scientific Interest (SSSI)		Registered Park and Garden

Figure Number:	WL-11-01
Figure Name:	Key Environmental Features Set 1 of 3
Route Name:	HSM12 / HSM21

TEMPLE ERM

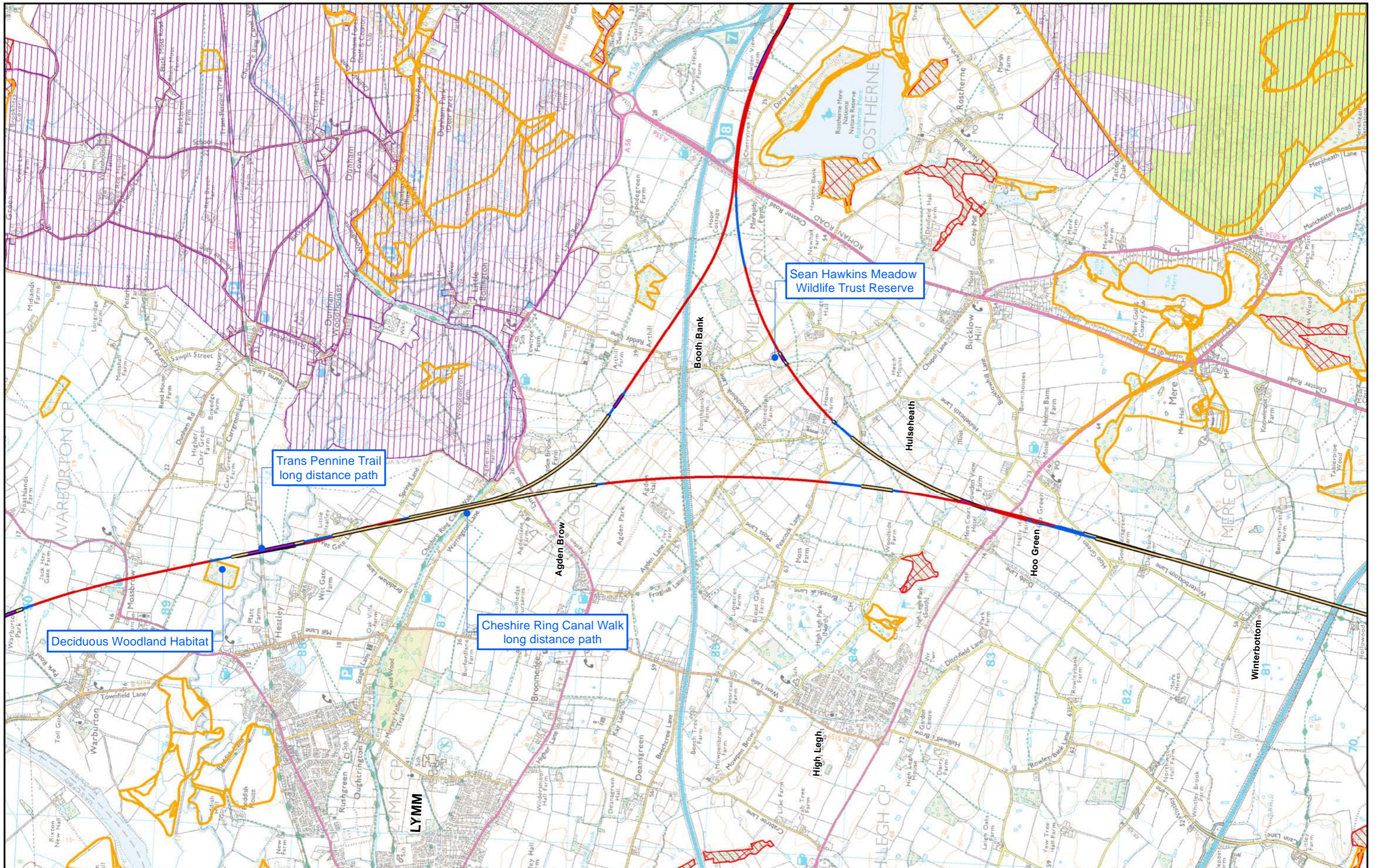
Scale at A3: 1:25,000

0 250 500 750 1,000 Metres

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-000011 Date: 03/07/13

Temple ERM 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.



Route Alignment

- At Grade
- Cutting
- Embankment
- Green Tunnel
- Tunnel
- Viaduct
- Station or Depot Operational Boundary

Sustainability Features

- Ancient Woodland
- Country Park
- Habitat of Principal Importance
- Local Nature Reserve (LNR)
- National Trail
- National Trust Ownership

Figure Number: WL-11-02

Figure Name: **Key Environmental Features Set 2 of 3**

Route Name: HSM12 / HSM21

TEMPLE ERM

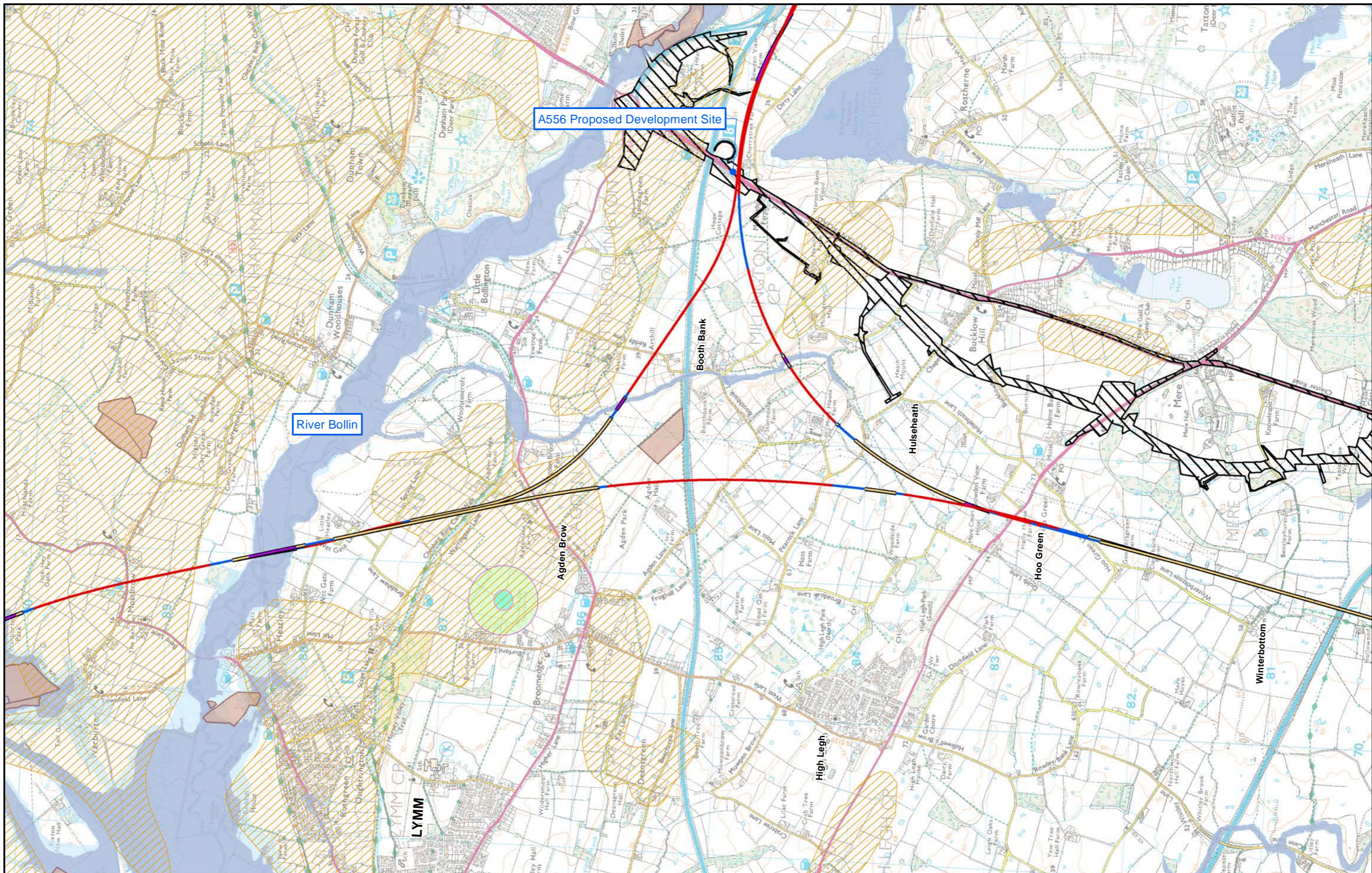
Scale at A3: 1:25,000

Map Number: LMH-TGL-EV-MAP-200-00026

Date: 03/07/13

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Temple ERM 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.



Route Alignment

	At Grade
	Cutting
	Embankment
	Green Tunnel
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features

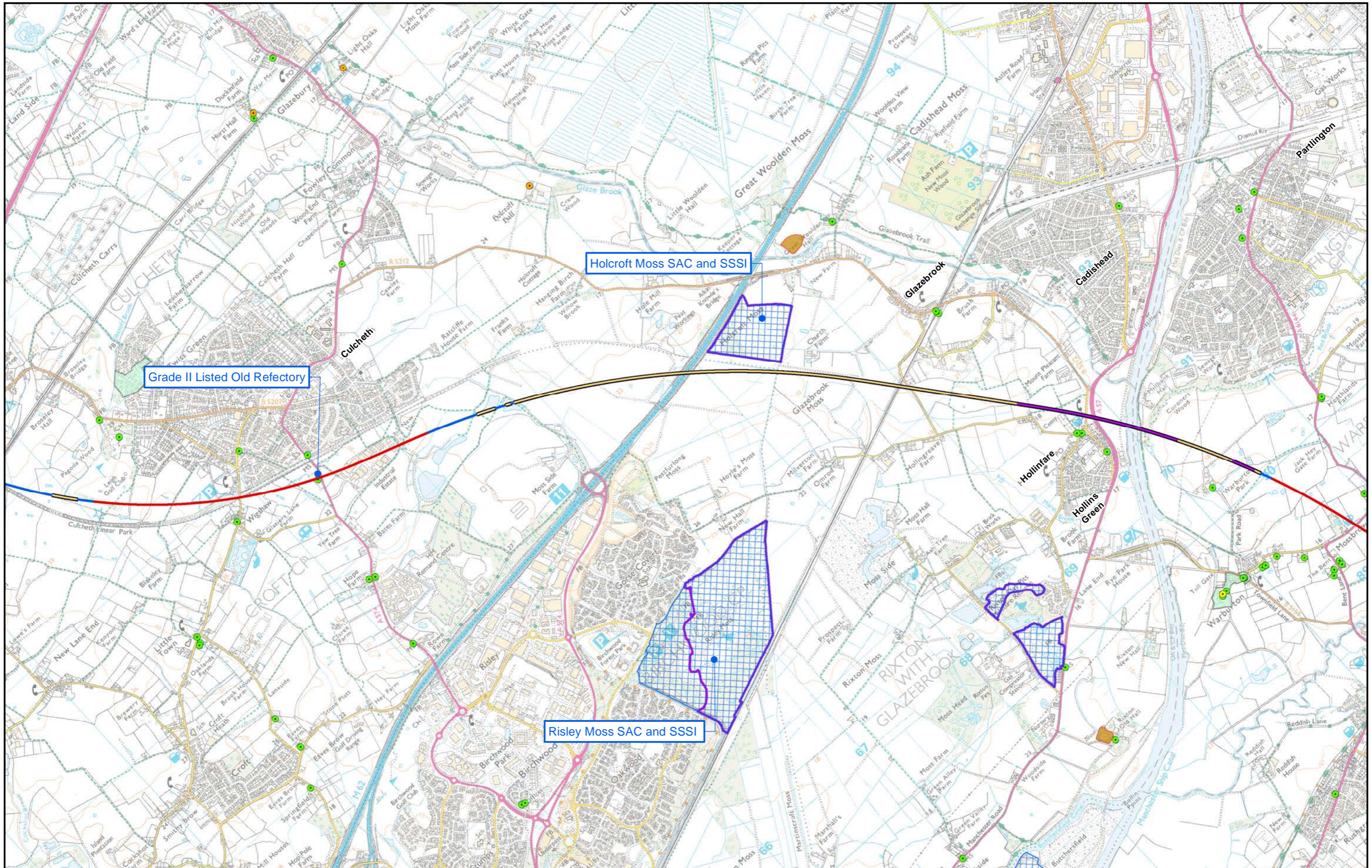
	Agricultural Land Grade 1		Flood Zone 3
	Agricultural Land Grade 2		Flood Zone 2
	Landfill Site (Active)		Groundwater Source Protection Zone 1
	Landfill Site (Disused)		Groundwater Source Protection Zone 2
	Major Development Site		

Figure Number:	WL-11-03
Figure Name:	Key Environmental Features Set 3 of 3
Route Name:	HSM12 / HSM21

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013.
 Ordnance Survey Licence Number 100049190.
 Map Number: LMH-TGL-EV-MAP-200-000041 Date: 03/07/13



Route Alignment

- At Grade
- Cutting
- Embankment
- Green Tunnel
- Tunnel
- Viaduct
- Station or Depot Operational Boundary

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)
- Conservation Area
- National Nature Reserve (NNR)
- Registered Battlefield
- Registered Park and Garden

Figure Number: WL-12-01

Figure Name: Key Environmental Features Set 1 of 3

Route Name: HSM21 / HSM22

TEMPLE ERM

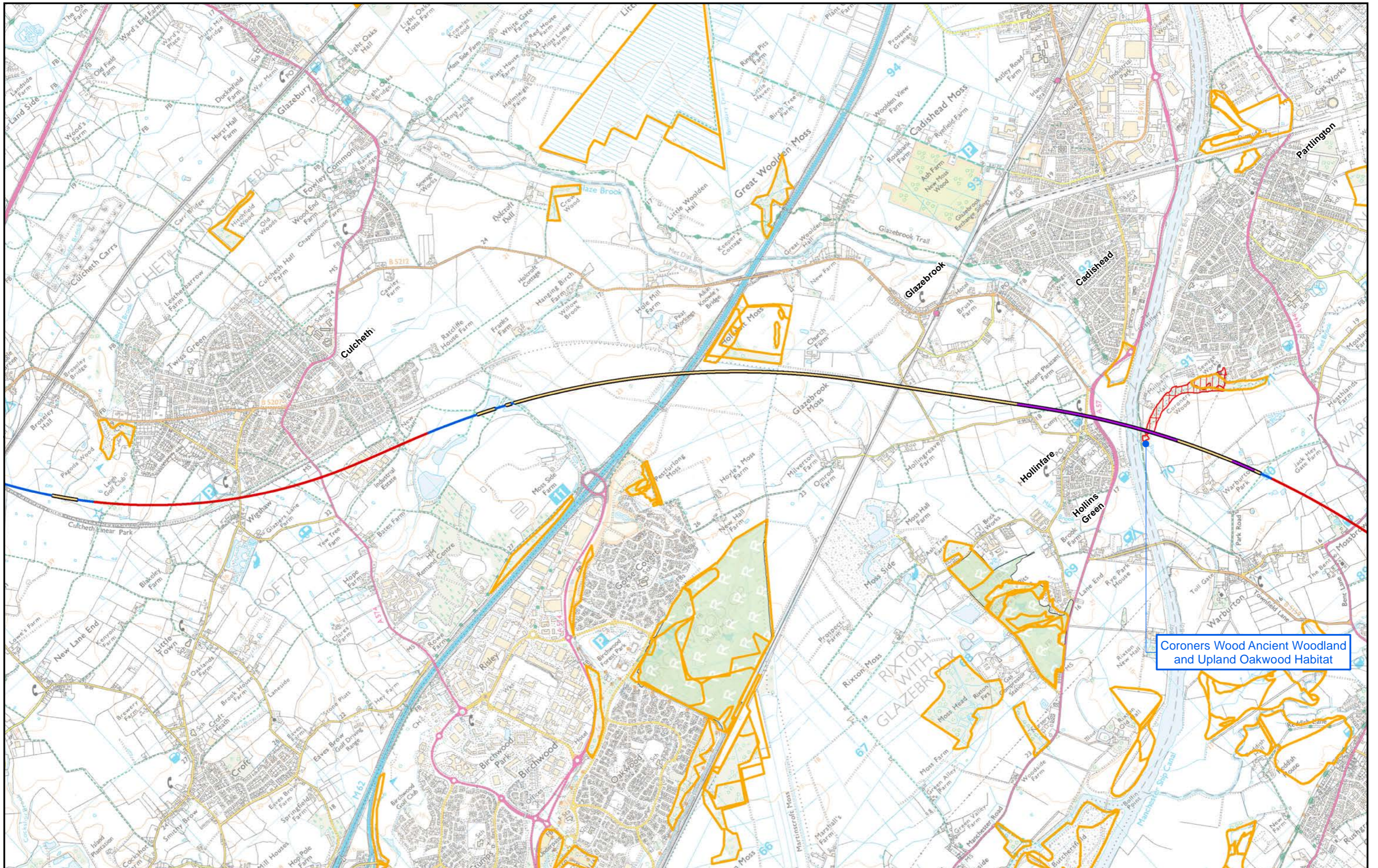
Scale at A3: 1:25,000

Map Number: LMH-TGL-EV-MAP-200-000012

Date: 03/07/13

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Temple ERM 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.



Coroners Wood Ancient Woodland and Upland Oakwood Habitat

- Route Alignment**
- At Grade
 - Cutting
 - Embankment
 - Green Tunnel
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

- Sustainability Features**
- Ancient Woodland
 - Country Park
 - Habitat of Principal Importance
 - Local Nature Reserve (LNR)
 - National Trail
 - National Trust Ownership

Figure Number: WL-12-02

Figure Name: **Key Environmental Features Set 2 of 3**

Route Name: HSM21 / HSM22

TEMPLE ERM

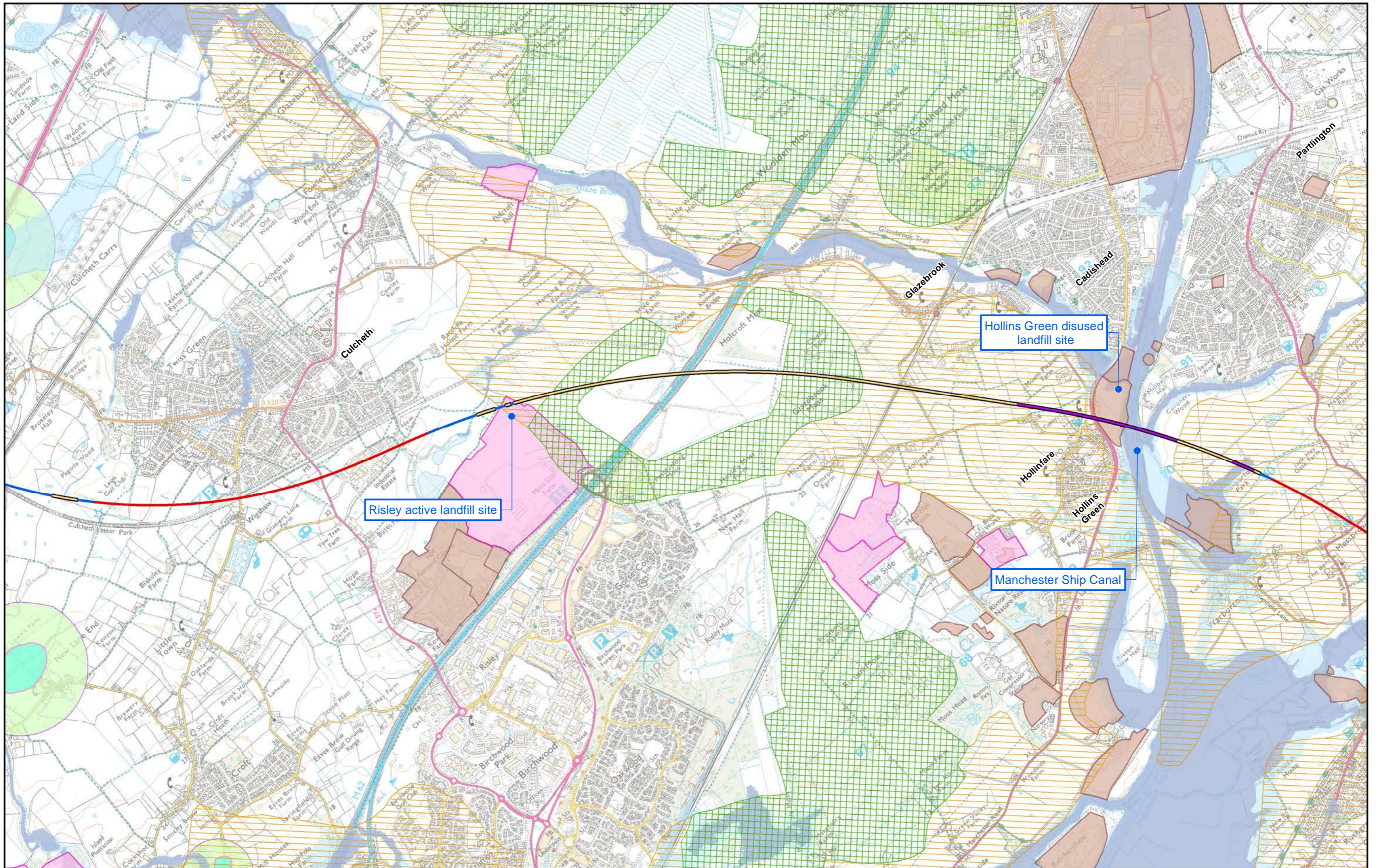
Scale at A3: 1:25,000

0 250 500 750 1,000 Metres

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-000027 Date: 03/07/13

Temple ERM 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.



Route Alignment

- At Grade
- Cutting
- Embankment
- Green Tunnel
- Tunnel
- Viaduct
- Station or Depot Operational Boundary

Sustainability Features

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

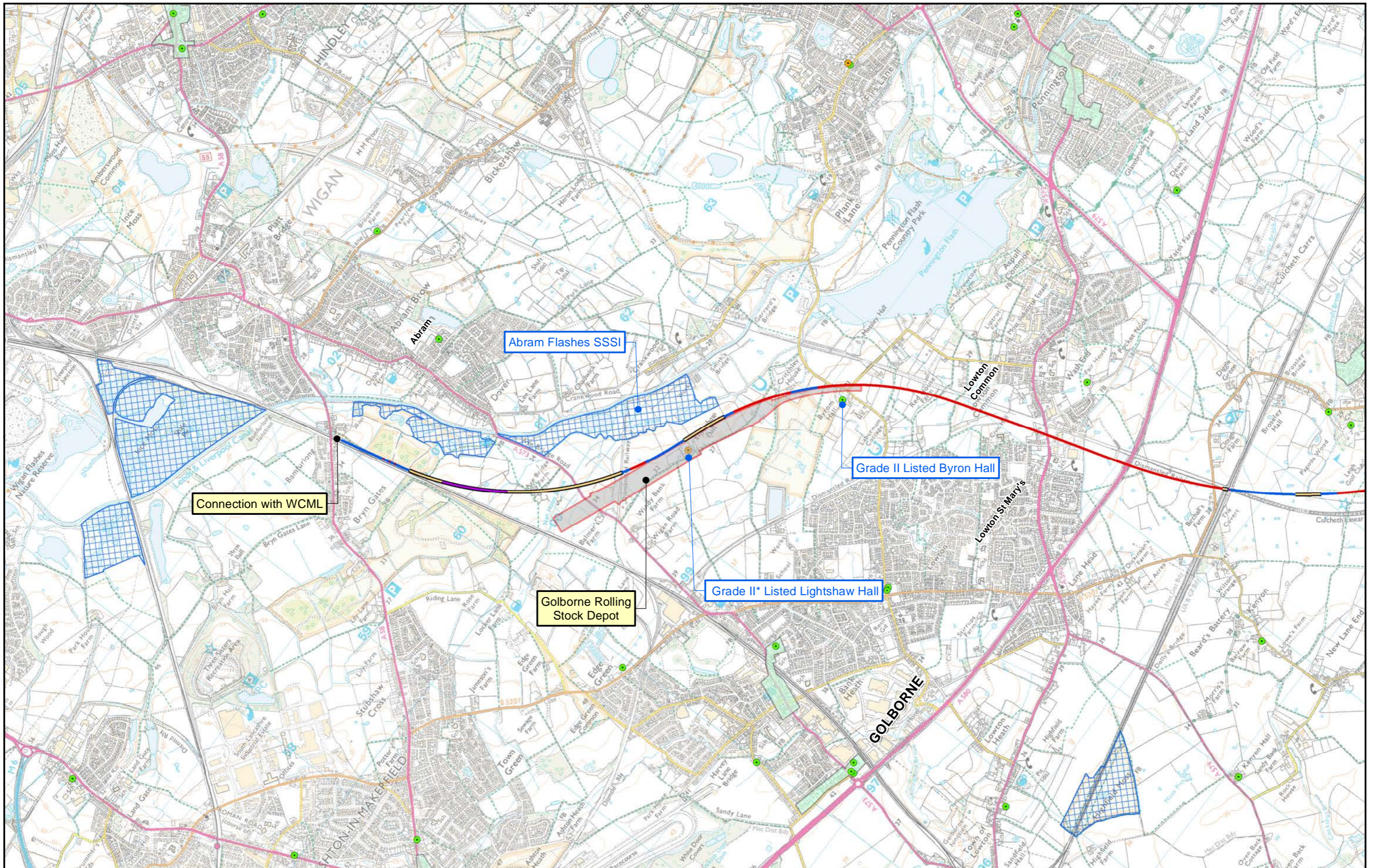
Figure Number:	WL-12-03
Figure Name:	Key Environmental Features Set 3 of 3
Route Name:	HSM21 / HSM22

TEMPLE ERM

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190. Map Number: LMH-TGL-EV-MAP-200-000042 Date: 03/07/13



Route Alignment

	At Grade
	Cutting
	Embankment
	Green Tunnel
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features

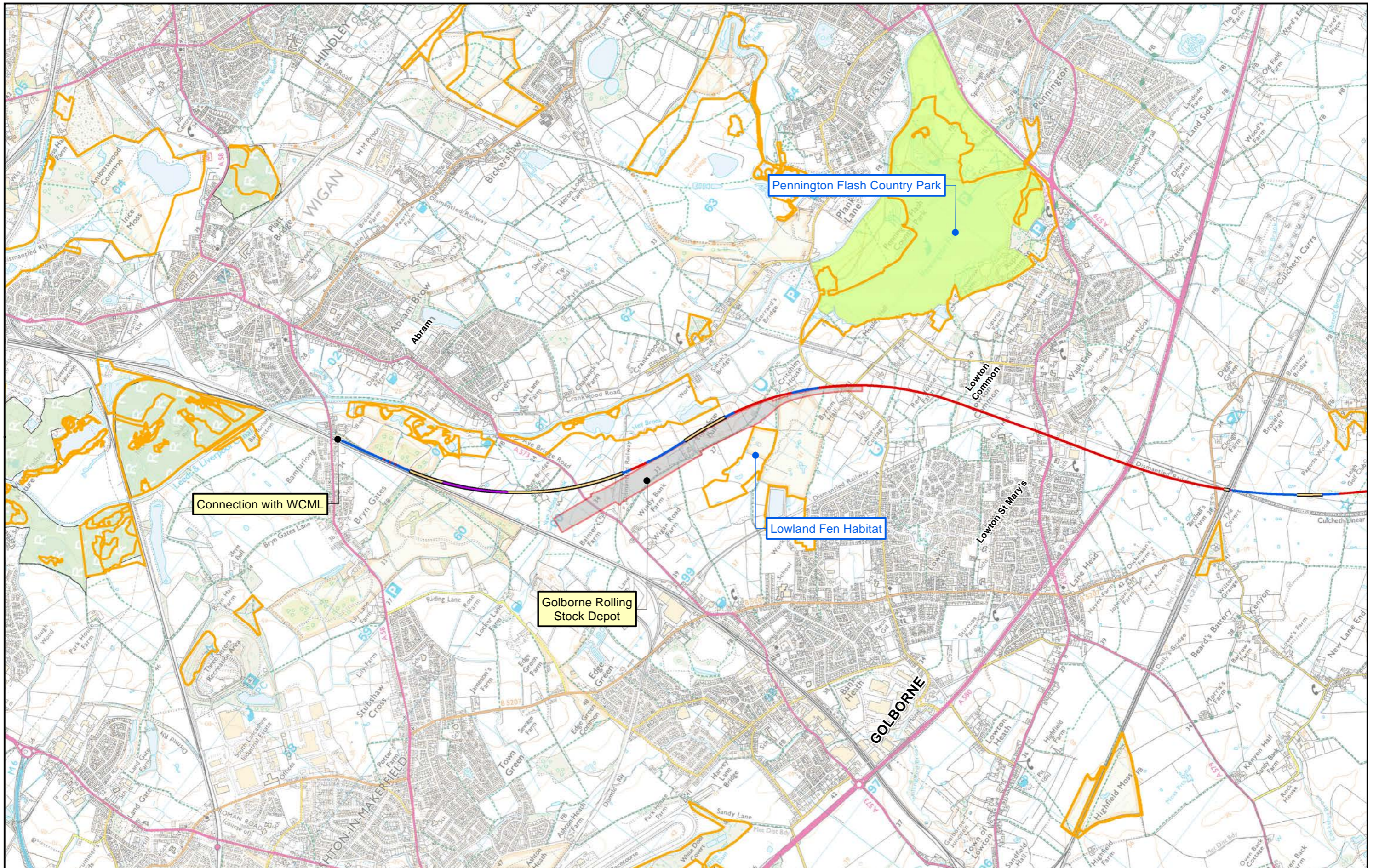
	Listed Building Grade I		Ramsar Site		Conservation Area
	Listed Building Grade II*		Special Area of Conservation (SAC)		National Nature Reserve (NNR)
	Listed Building Grade II		Special Protection Area (SPA)		Registered Battlefield
	Scheduled Monument		Site of Special Scientific Interest (SSSI)		Registered Park and Garden

Figure Number:	WL-13-01
Figure Name:	Key Environmental Features Set 1 of 3
Route Name:	HSM22

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.
 Map Number: LMH-TGL-EV-MAP-200-000013 Date: 03/07/13



Route Alignment

	At Grade
	Cutting
	Embankment
	Green Tunnel
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features

	Ancient Woodland		Local Nature Reserve (LNR)
	Country Park		National Trail
	Habitat of Principal Importance		National Trust Ownership

Figure Number:	WL-13-02
Figure Name:	Key Environmental Features Set 2 of 3
Route Name:	HSM22

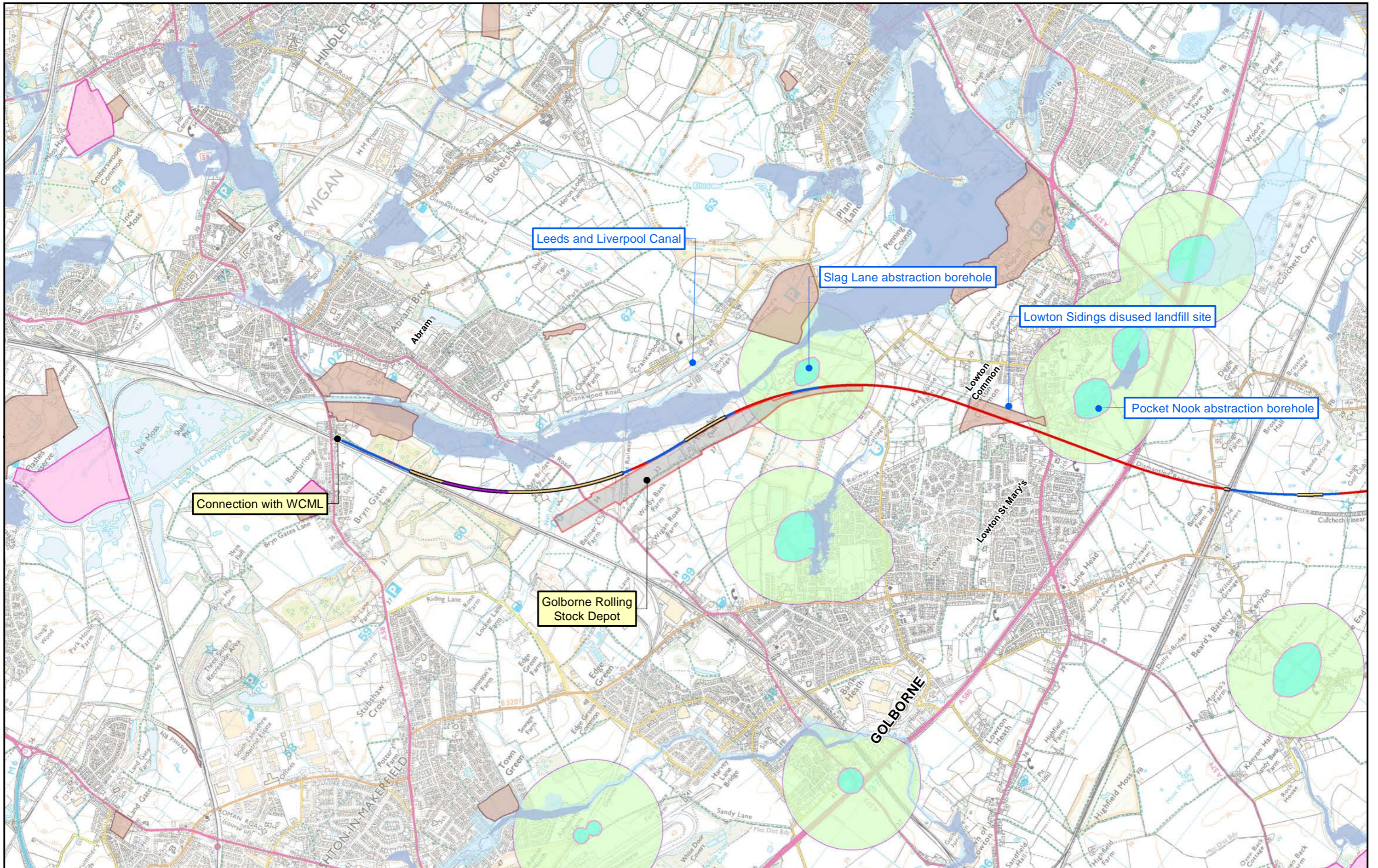
Temple ERM accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

Scale at A3: 1:25,000

Metres

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-00028 Date: 03/07/13



Route Alignment

	At Grade
	Cutting
	Embankment
	Green Tunnel
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features

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

Figure Number:	WL-13-03
Figure Name:	Key Environmental Features Set 3 of 3
Route Name:	HSM22

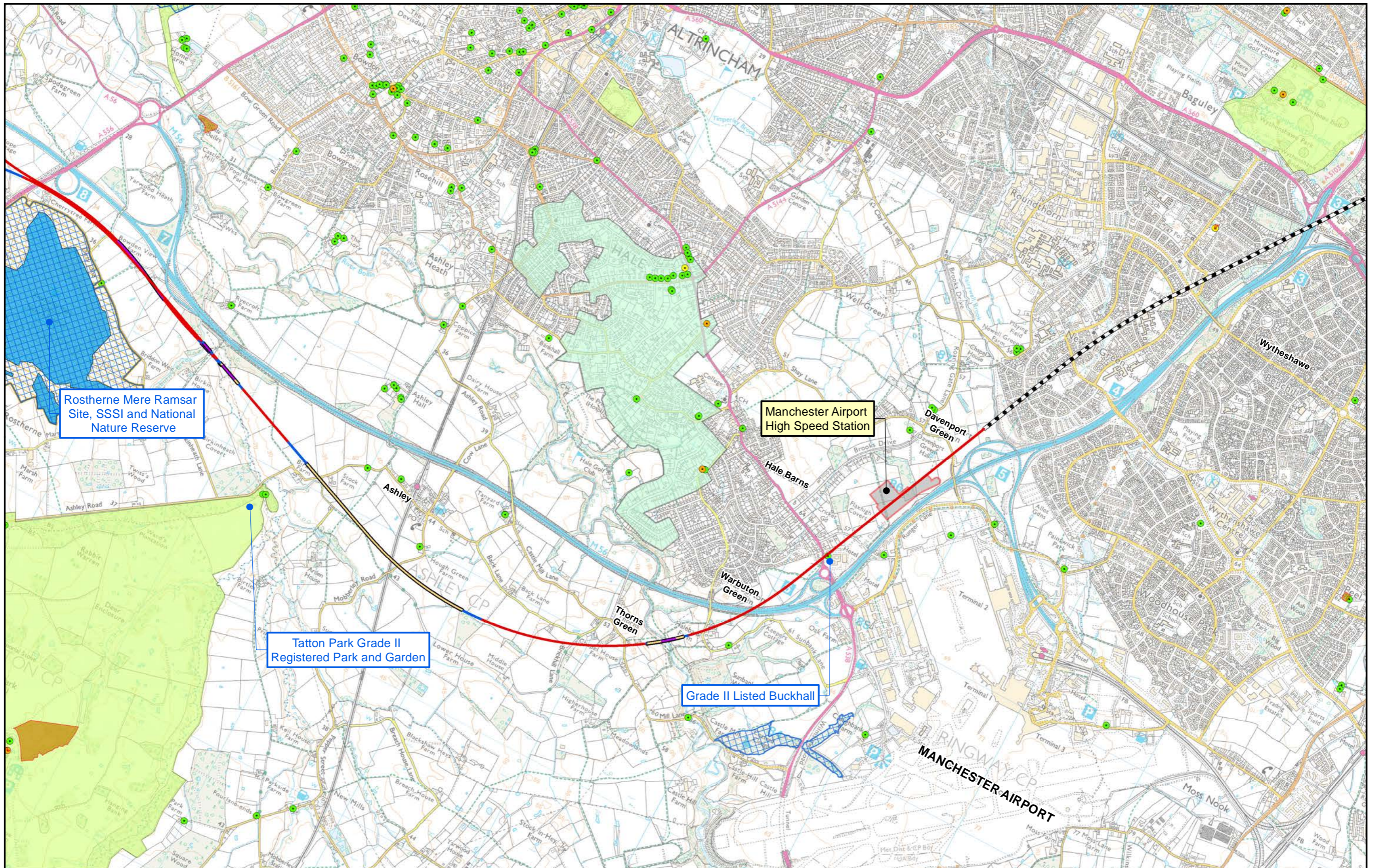
Temple ERM accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

Scale at A3: 1:25,000

Metres

© Crown copyright and database rights 2013.
 Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-000043 Date: 03/07/13



Route Alignment

	At Grade
	Cutting
	Embankment
	Green Tunnel
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features

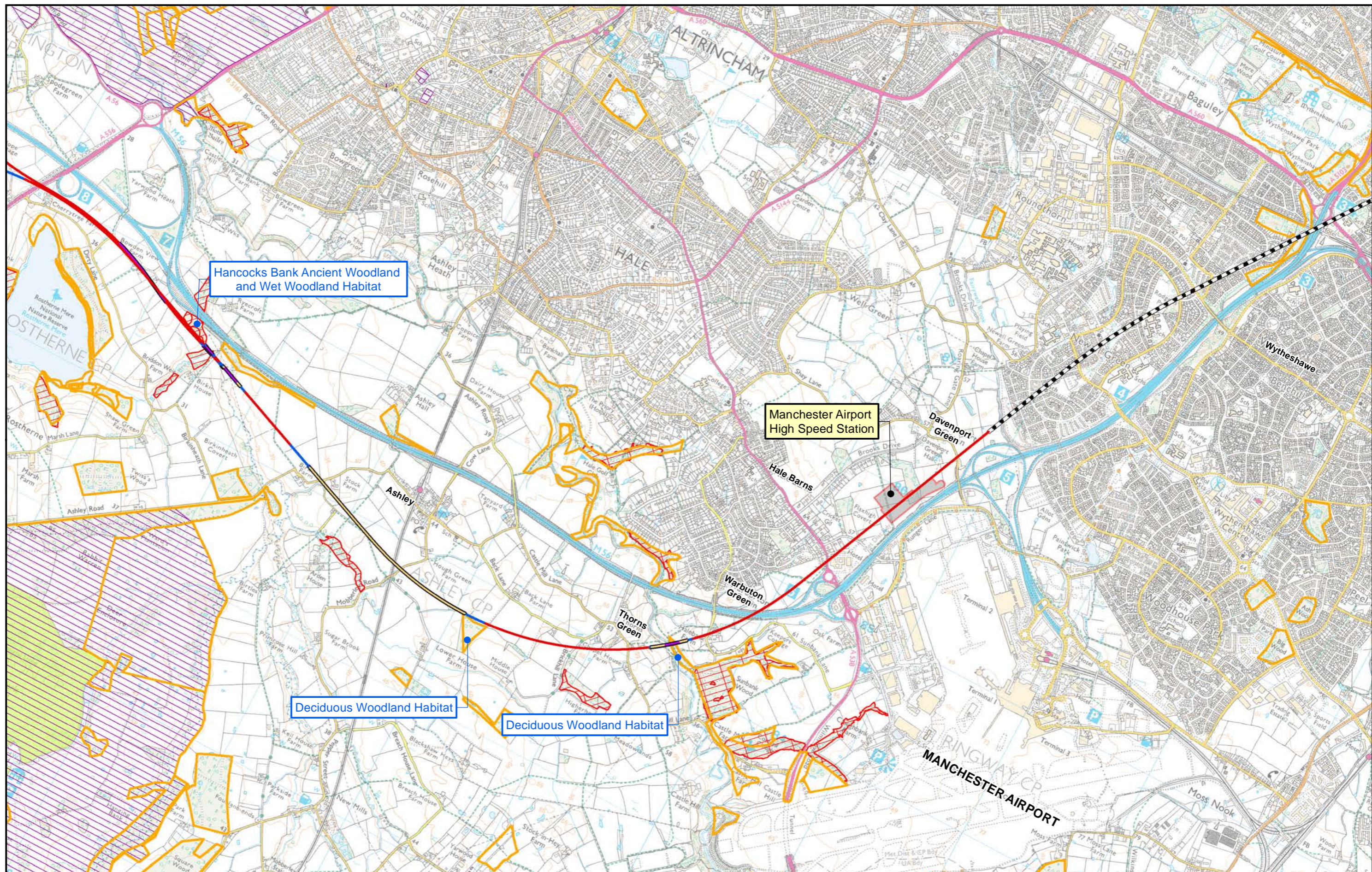
	Listed Building Grade I		Ramsar Site		Conservation Area
	Listed Building Grade II*		Special Area of Conservation (SAC)		National Nature Reserve (NNR)
	Listed Building Grade II		Special Protection Area (SPA)		Registered Battlefield
	Scheduled Monument		Site of Special Scientific Interest (SSSI)		Registered Park and Garden

Figure Number:	WL-14-01
Figure Name:	Key Environmental Features Set 1 of 3
Route Name:	HSM30 / HSM28

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.
Map Number: LMH-TGL-EV-MAP-200-000014 Date: 03/07/13



Route Alignment

- At Grade
- Cutting
- Embankment
- Green Tunnel
- Tunnel
- Viaduct
- Station or Depot Operational Boundary

Sustainability Features

 Ancient Woodland	 Local Nature Reserve (LNR)
 Country Park	 National Trail
 Habitat of Principal Importance	 National Trust Ownership

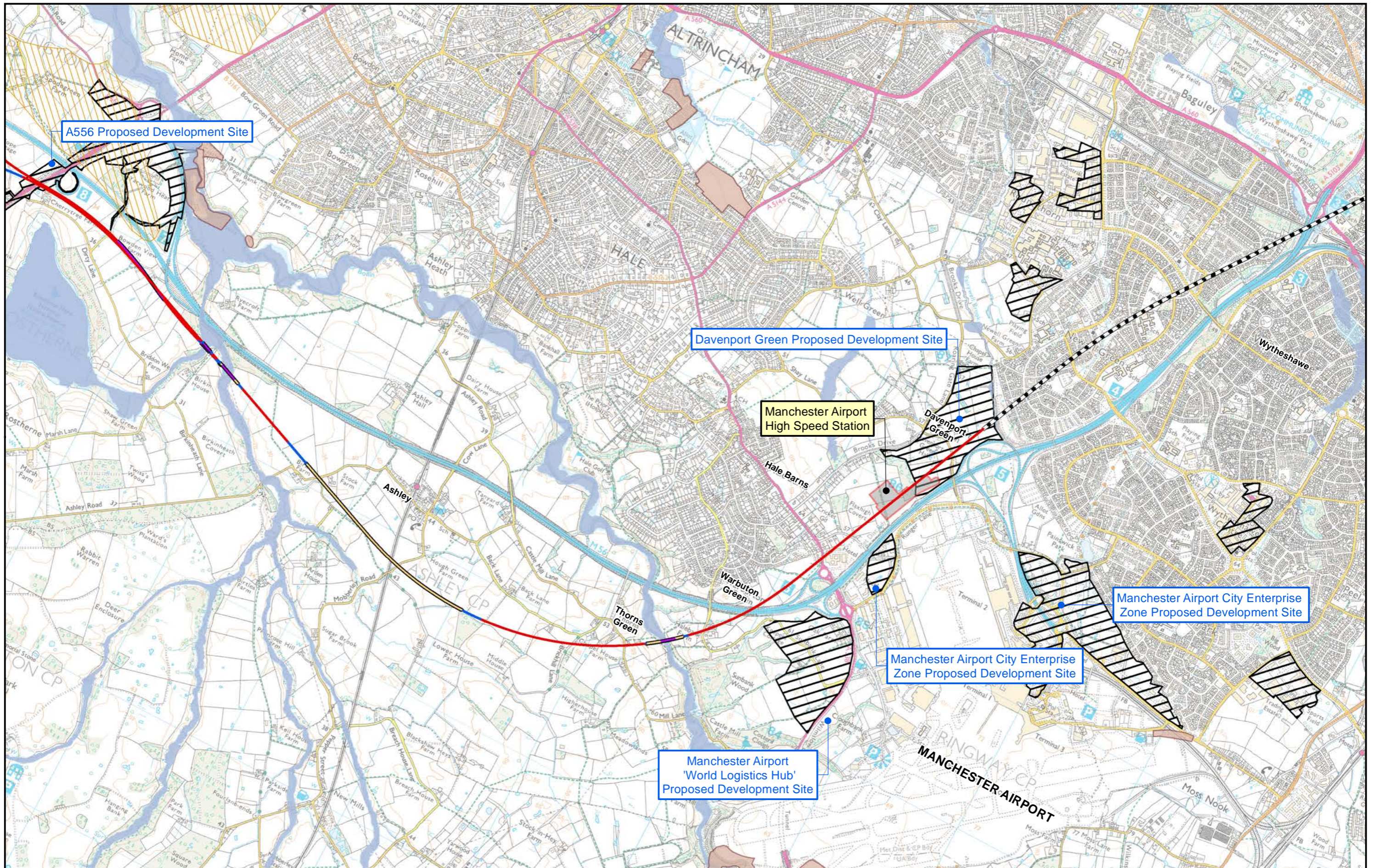
Figure Number:	WL-14-02
Figure Name:	Key Environmental Features Set 2 of 3
Route Name:	HSM30 / HSM28

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-000029
Date: 03/07/13



Route Alignment

	At Grade
	Cutting
	Embankment
	Green Tunnel
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features

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

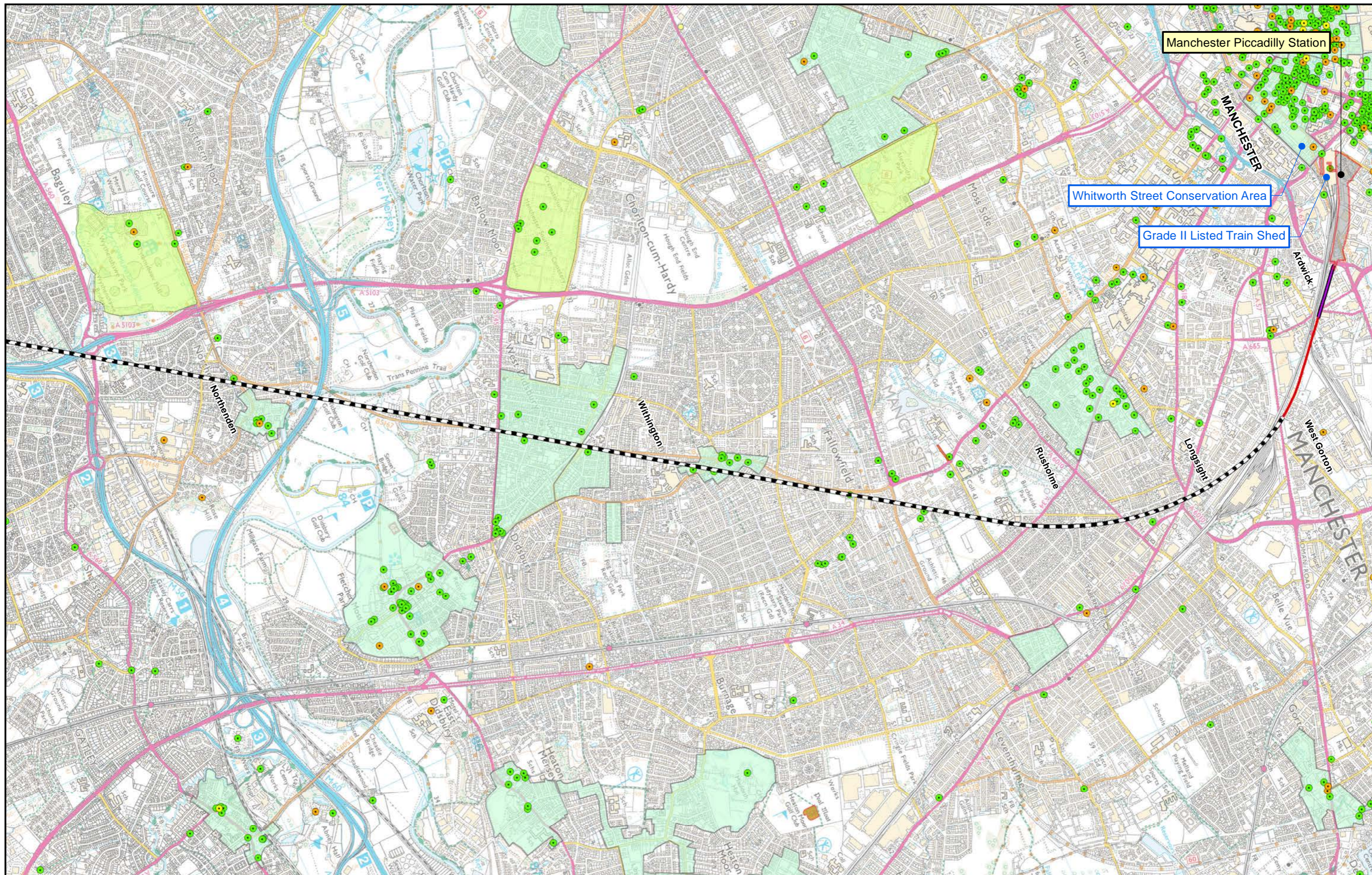
Figure Number:	WL-14-03
Figure Name:	Key Environmental Features Set 3 of 3
Route Name:	HSM30 / HSM28

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-000044 Date: 03/07/13



Route Alignment

	At Grade
	Cutting
	Embankment
	Green Tunnel
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features

	Listed Building Grade I		Ramsar Site		Conservation Area
	Listed Building Grade II*		Special Area of Conservation (SAC)		National Nature Reserve (NNR)
	Listed Building Grade II		Special Protection Area (SPA)		Registered Battlefield
	Scheduled Monument		Site of Special Scientific Interest (SSSI)		Registered Park and Garden

Figure Number:	WL-15-01
Figure Name:	Key Environmental Features Set 1 of 3
Route Name:	HSM28 / HSM26

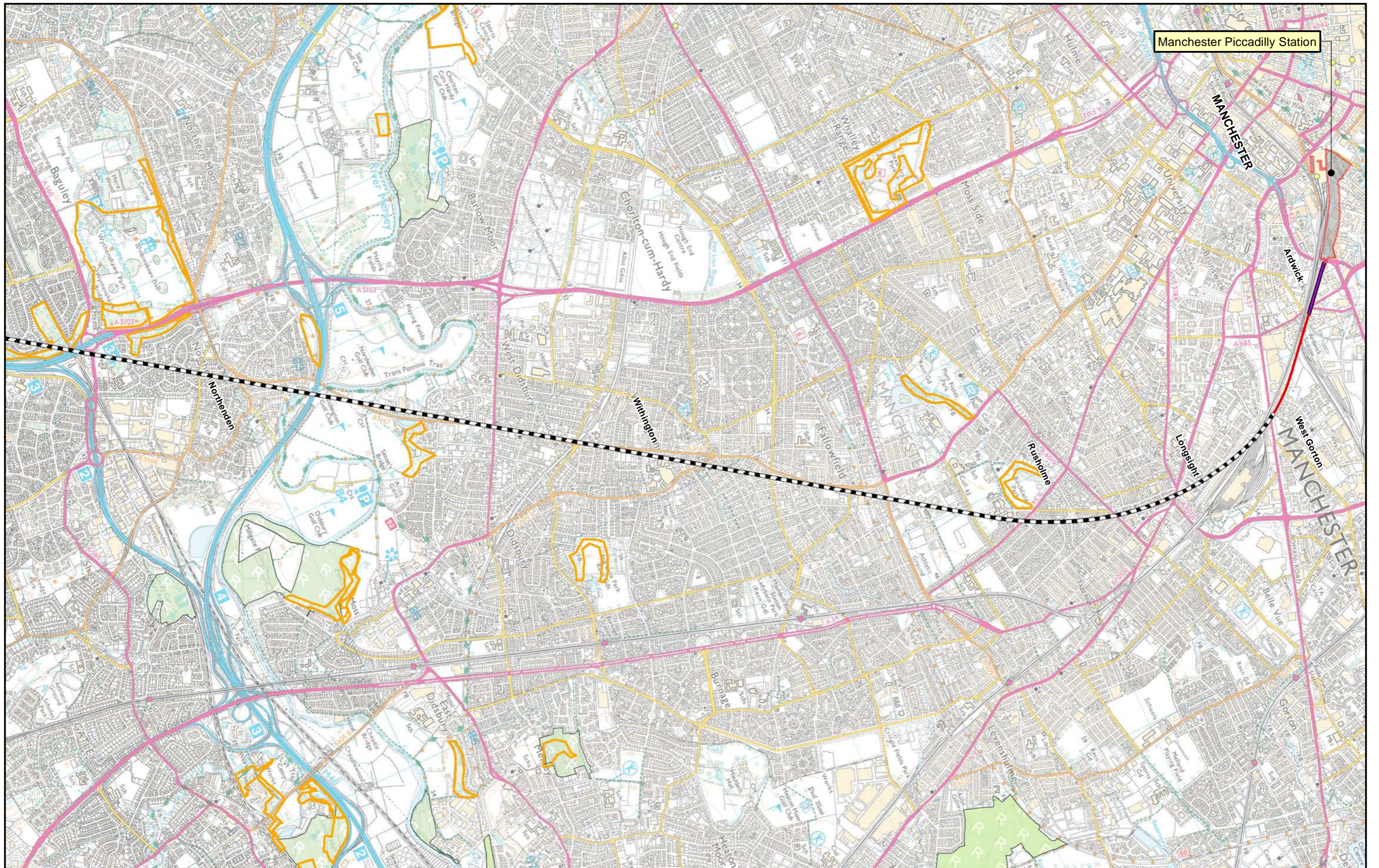
Temple ERM accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

Scale at A3: 1:25,000

0 250 500 750 1,000 Metres

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-000015 Date: 03/07/13





- Route Alignment**
- At Grade
 - Cutting
 - Embankment
 - Green Tunnel
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

- Sustainability Features**
- Ancient Woodland
 - Country Park
 - Habitat of Principal Importance
 - Local Nature Reserve (LNR)
 - National Trail
 - National Trust Ownership


Figure Number: WL-15-02

Figure Name: **Key Environmental Features Set 2 of 3**

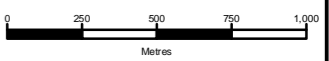
Route Name: HSM28 / HSM26

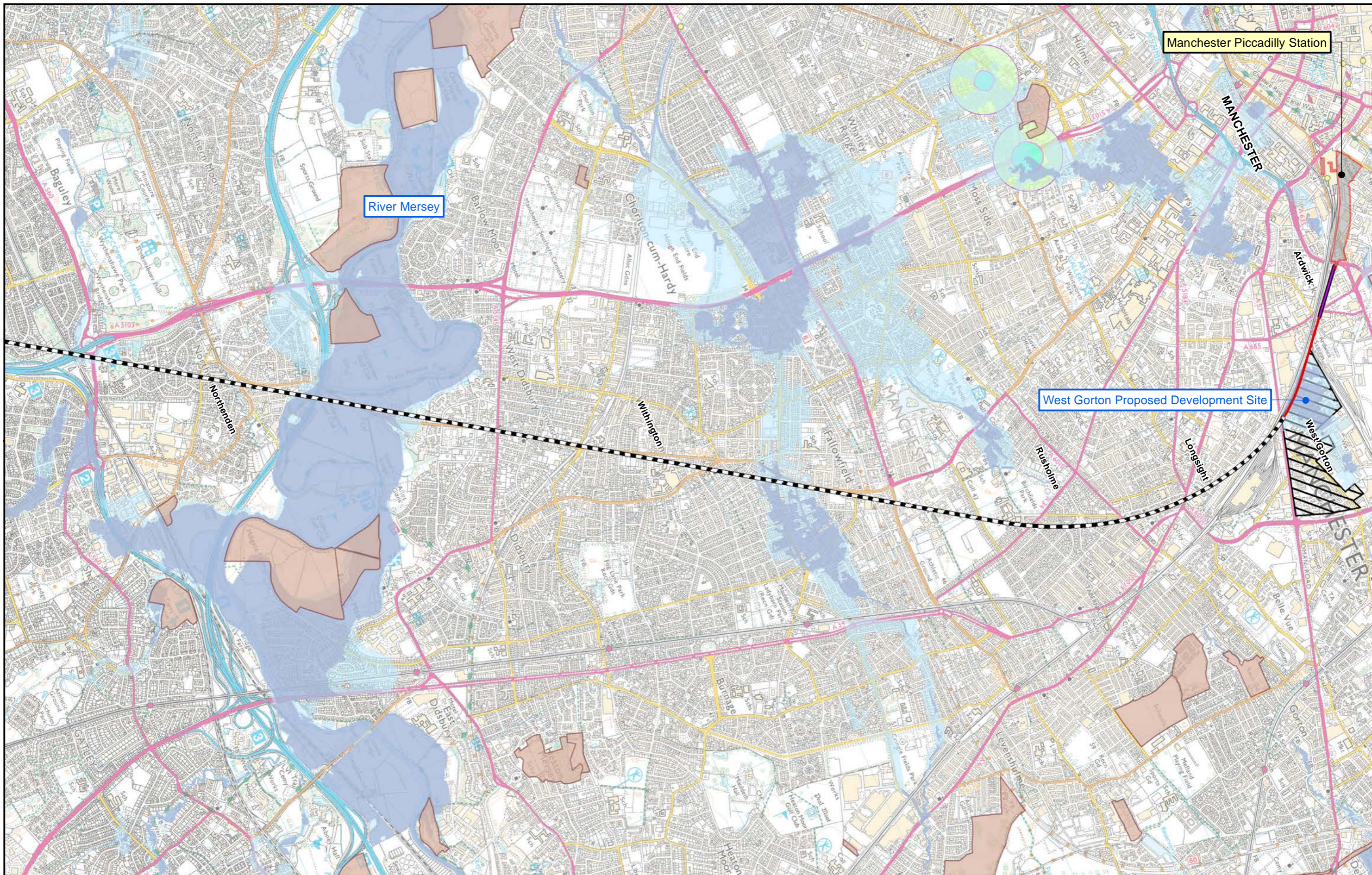
Temple ERM accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.



Scale at A3: 1:25,000



© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190. Map Number: LMH-TGL-EV-MAP-200-000030 Date: 03/07/13



Manchester Piccadilly Station

River Mersey

West Gorton Proposed Development Site



- Route Alignment**
- At Grade
 - Cutting
 - Embankment
 - Green Tunnel
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

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


Figure Number: WL-15-03

Figure Name: **Key Environmental Features Set 3 of 3**

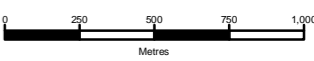
Route Name: HSM28 / HSM26

Temple ERM 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.

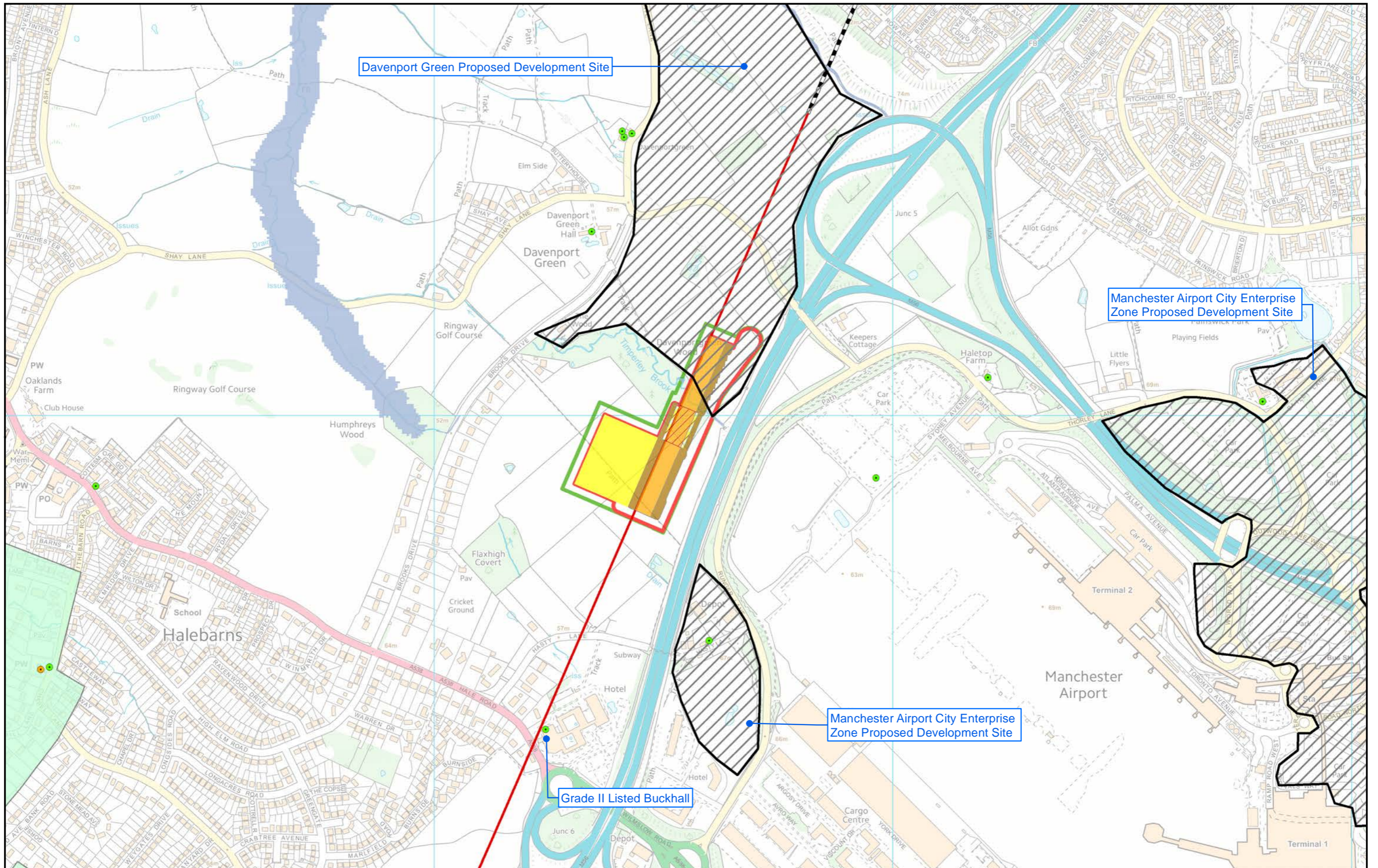


Scale at A3: 1:25,000



© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-000045 Date: 03/07/13



Route Alignment

- At Grade
- Cutting
- Embankment
- Green Tunnel
- Tunnel
- Viaduct

Station Classification

- Construction Boundary
- Operational Boundary
- Concourse
- Car Park
- Forecourt
- Platform

Sustainability Features

- Listed Building Grade I
- Listed Building Grade II*
- Listed Building Grade II
- Conservation Area
- Major Development Site
- Flood Zone 3
- Flood Zone 2

Figure Number: WL-16-04

Figure Name: **Key Environmental Features Manchester Airport High Speed Station**

Route Name: **Western Leg Stations**

Temple ERM 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.

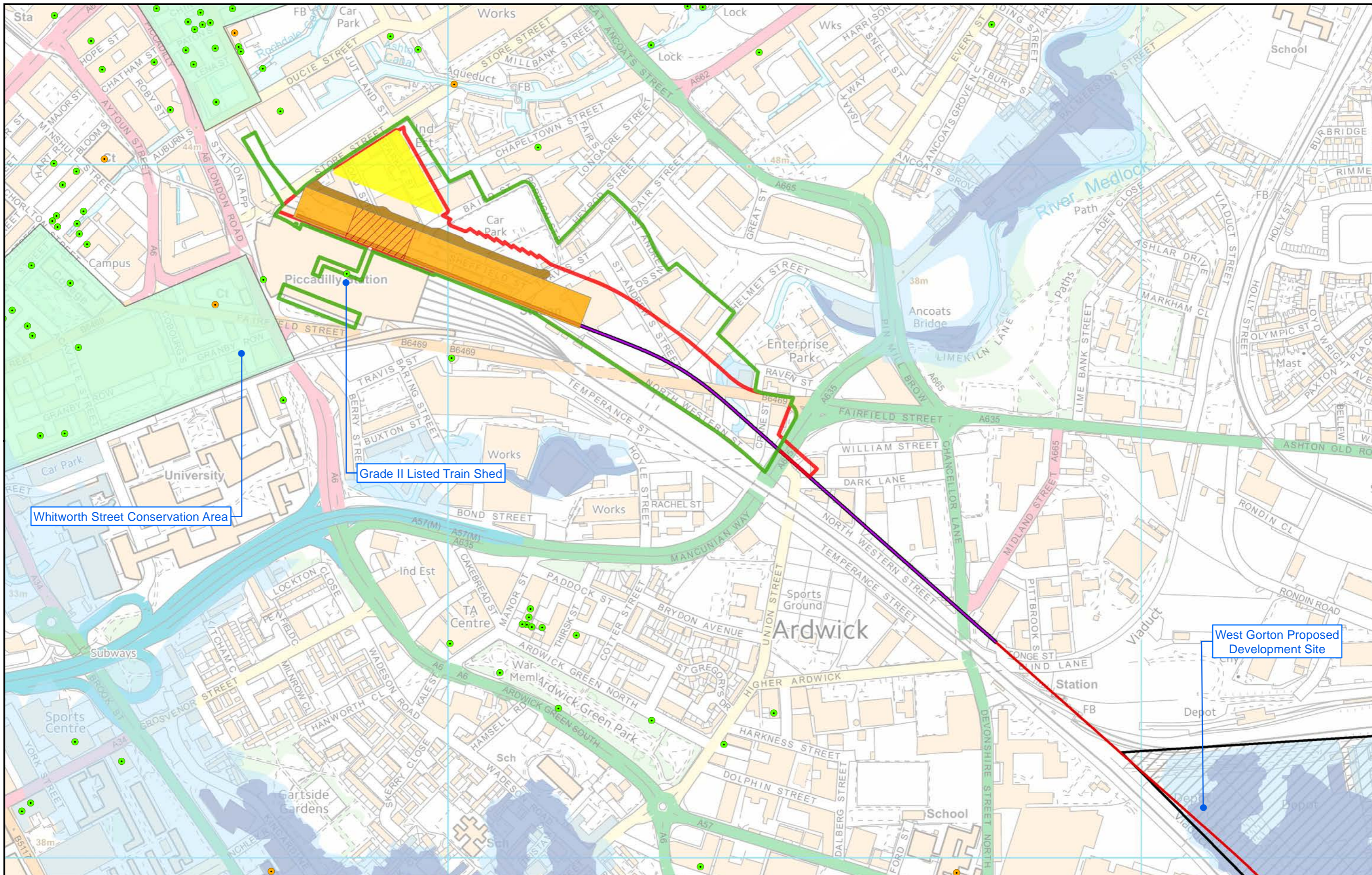
Scale at A3: 1:7,500

0 75 150 225 300 Metres

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

 Map Number: LMH-TGL-EV-MAP-200-000047

 Date: 03/07/13



Route Alignment

- At Grade
- Cutting
- Embankment
- Green Tunnel
- Tunnel
- Viaduct

Station Classification

- Construction Boundary
- Operational Boundary
- Concourse
- Car Park
- Forecourt
- Platform


Sustainability Features

- Listed Building Grade I
- Listed Building Grade II*
- Listed Building Grade II
- Conservation Area
- Major Development Site
- Flood Zone 3
- Flood Zone 2

Figure Number: WL-17-04

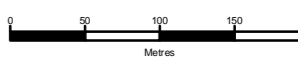
Figure Name: Key Environmental Features Manchester Piccadilly Station

Route Name: Western Leg Stations



 Temple ERM 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.

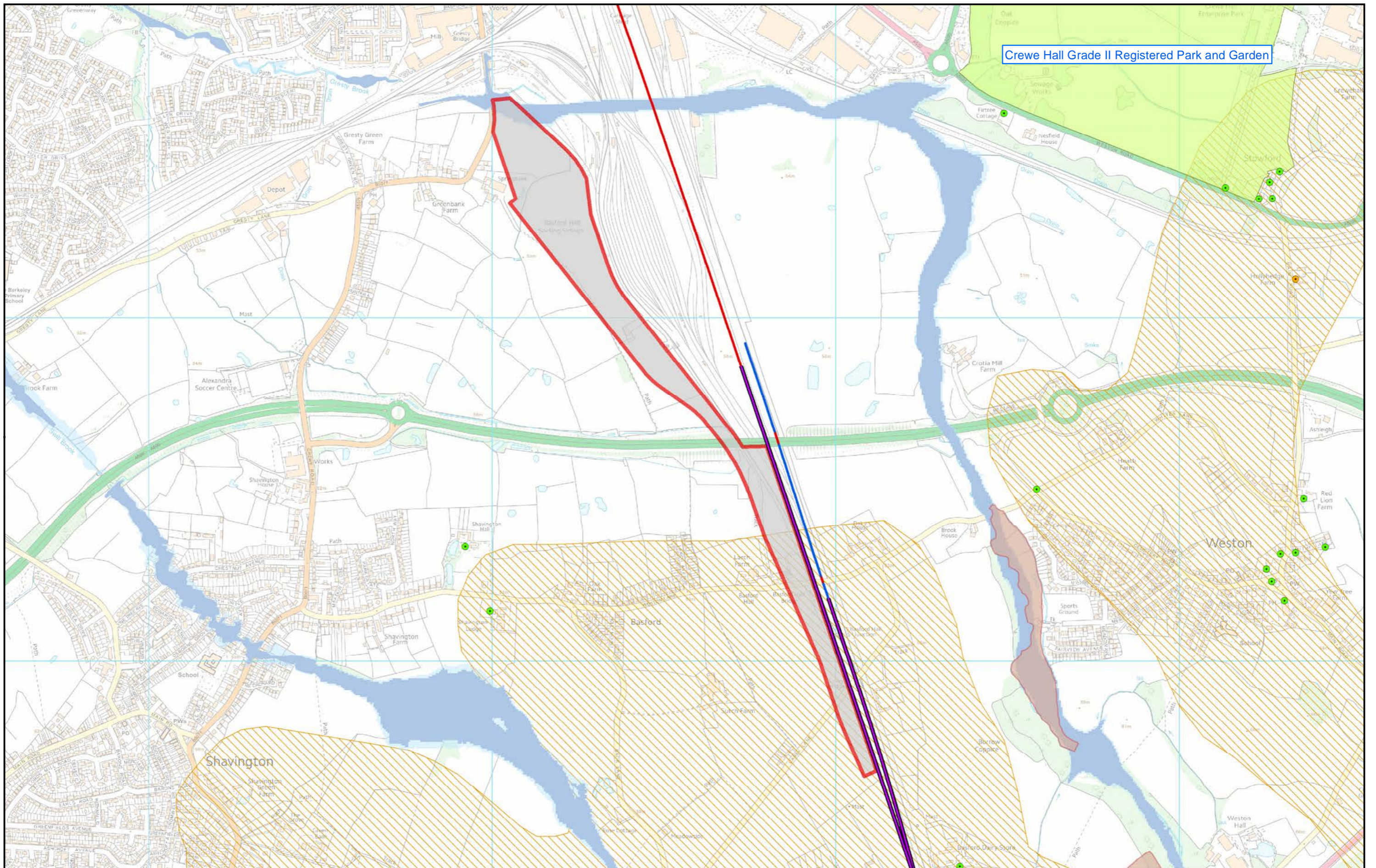
Scale at A3: 1:5,000



 0 50 100 150 200 Metres

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

 Map Number: LMH-TGL-EV-MAP-200-000046 Date: 03/07/13



Route Alignment

- At Grade
- Cutting
- Embankment
- Green Tunnel
- Tunnel
- Viaduct

Depot Classification

- Operational Boundary

Sustainability Features

- Listed Building Grade I
- Listed Building Grade II*
- Listed Building Grade II
- Registered Park or Garden
- Agricultural Land Grade 2
- Flood Zone 3
- Flood Zone 2
- Landfill Site (Disused)

Figure Number: WL-18-04

Figure Name: **Key Environmental Features
Crewe Infrastructure Maintenance
Depot**

Route Name: Western Leg Depots

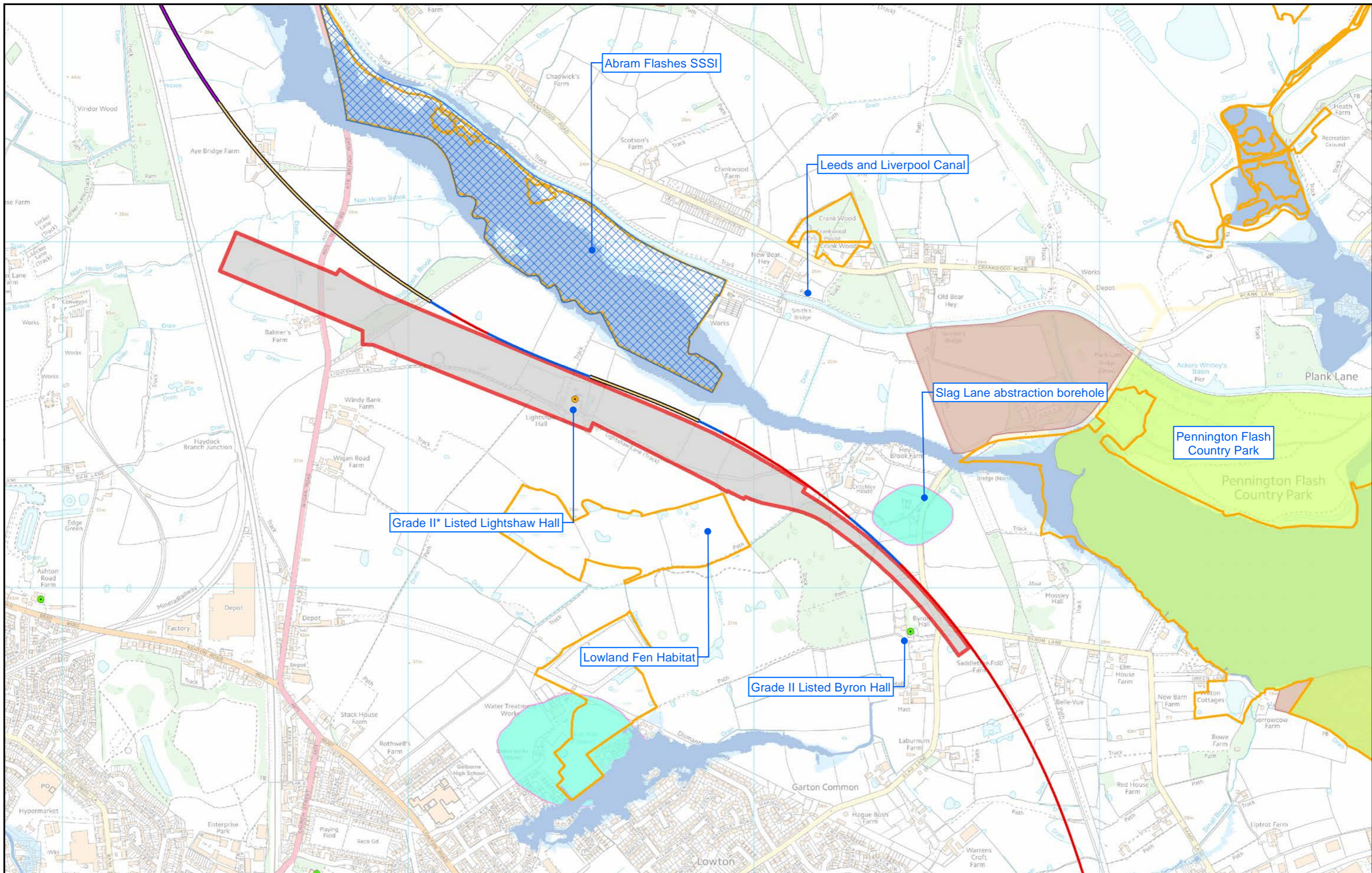
© Crown copyright and database rights 2013.
Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-000049

Scale at A3: 1:10,000

Temple ERM 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.

Date: 03/07/13



Route Alignment

- At Grade
- Cutting
- Embankment
- Green Tunnel
- Tunnel
- Viaduct

Depot Classification

- Operational Boundary

Sustainability Features

- Listed Building Grade I
- Listed Building Grade II*
- Listed Building Grade II
- Country Park
- Site of Special Scientific Interest (SSSI)
- Habitat of Principal Importance
- Flood Zone 3
- Flood Zone 2
- Groundwater Source Protection Zone 1
- Landfill Site (Disused)

Figure Number: WL-19-04

Figure Name: **Key Environmental Features Golborne Rolling Stock Depot**

Route Name: Western Leg Depots

TEMPLE ERM

Scale at A3: 1:10,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

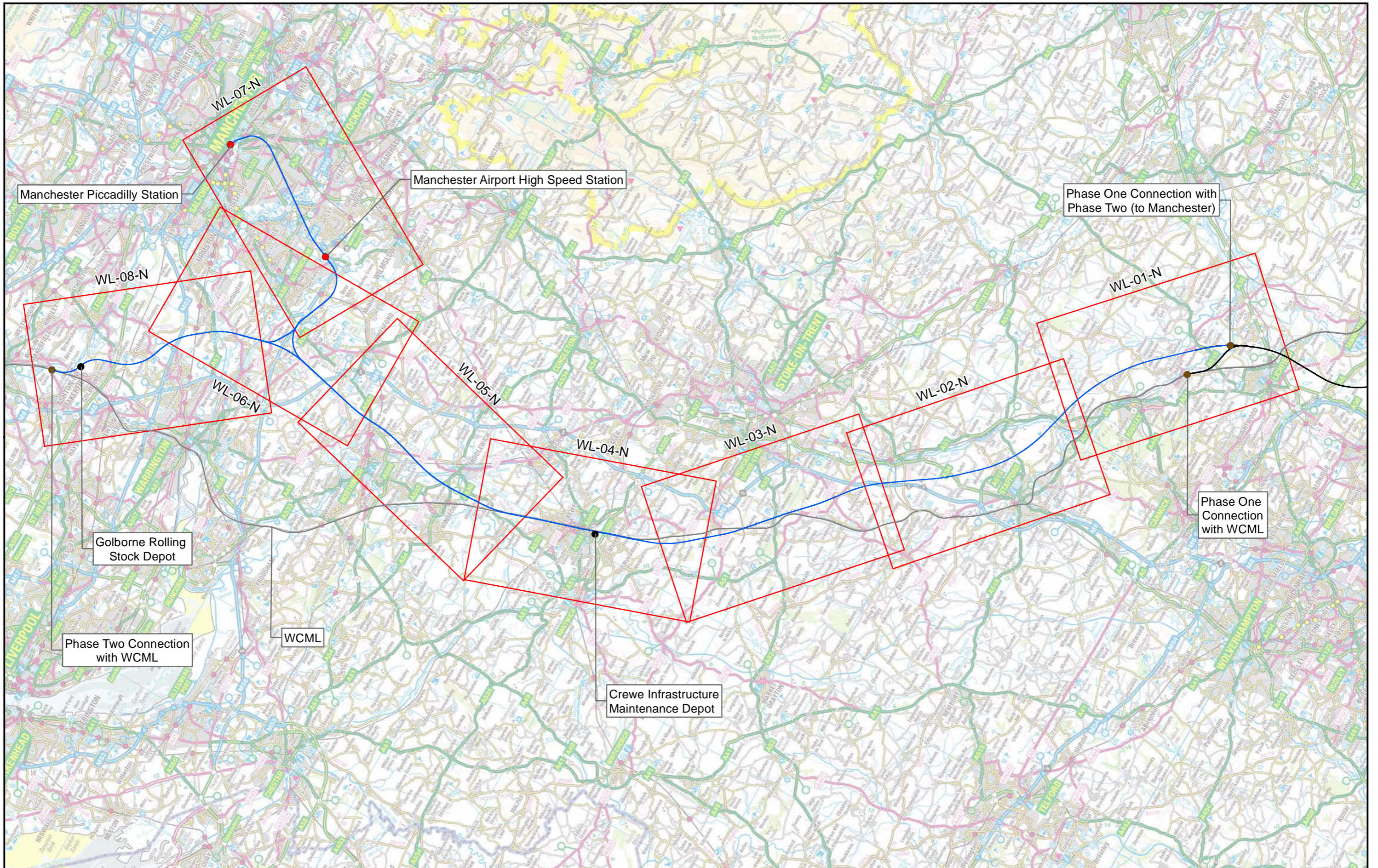
Map Number: LMH-TGL-EV-MAP-200-000048 Date: 03/07/13

Temple ERM 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.

Western Leg - Manchester

Residential Airborne Noise Mapping

Set 1 to 2: without and with additional mitigation




- Route Alignment**
- Western Leg proposed route
 - Connection
 - Depot
 - Station
 - WCML
 - HS2 Phase One
 - Map Windows

Figure Number: **WL-01-INDEX-NOISE**

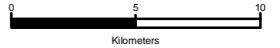
Figure Name: **Residential Airborne Noise Appraisal
Proposed Route
Map Index Overview**


Route Name: **Western Leg**



© Crown copyright and database rights 2013.
Ordnance Survey Licence Number 100049190.

Scale at A3: 1:300,000

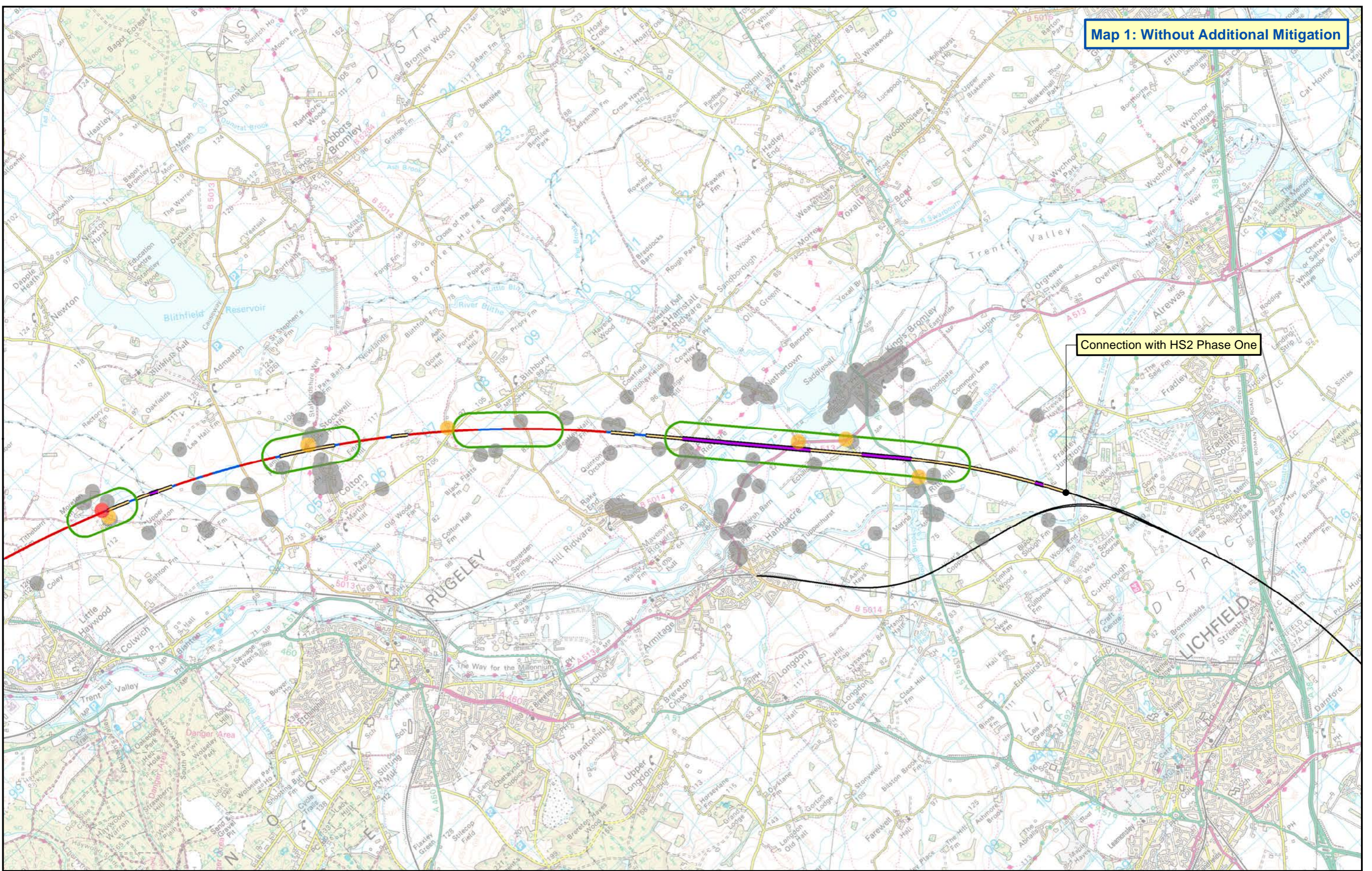




Temple ERM accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

Map Number: **LMH-TGL-EV-MAP-200-000069** Date: **05/07/13**

Map 1: Without Additional Mitigation



Route Alignment	Western Leg Station or Depot	Without Additional Mitigation, Areas Where Dwellings:	Preliminary Candidate Areas for Mitigation
— At Grade	Operational Boundary	● Potentially Experience High Noise Levels	▭
— Cutting		● Are Potentially Eligible for Noise Insulation	
— Embankment		● Potentially Experience a Noticeable Noise Increase	
— Green Tunnel			
— Tunnel			
— Viaduct			

Figure Number: WL-01-01-N

Figure Name: Residential Airborne Noise Appraisal Proposed Route Without Additional Mitigation

Route Name: HSM03

TEMPLE ERM

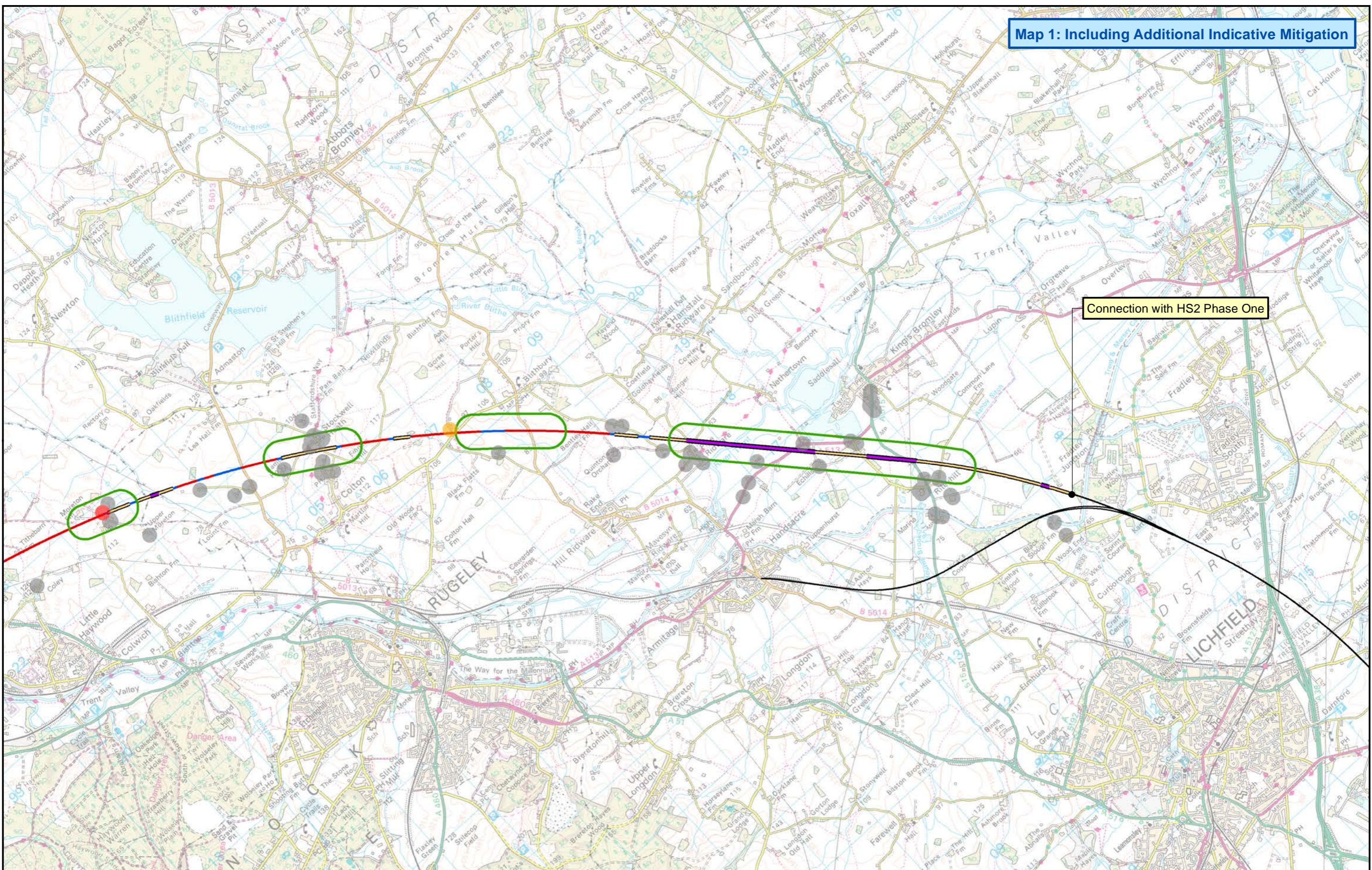
Scale at A3: 1:50,000

Map Number: LMH-TGL-EV-MAP-200-00061

Date: 05/07/13

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map 1: Including Additional Indicative Mitigation



Route Alignment	Western Leg Station or Depot	Including Additional Indicative Mitigation, Areas Where Dwellings:	Preliminary Candidate Areas for Mitigation
— At Grade	Operational Boundary	● Potentially Experience High Noise Levels	
— Cutting		● Are Potentially Eligible for Noise Insulation	
— Embankment		● Potentially Experience a Noticeable Noise Increase	
— Green Tunnel			
— Tunnel			
— Viaduct			

Figure Number: WL-01-02-N

Figure Name: Residential Airborne Noise Appraisal Proposed Route Including Additional Indicative Mitigation

Route Name: HSM03

TEMPLE ERM

Scale at A3: 1:50,000

0 0.5 1 1.5 2 Kilometers

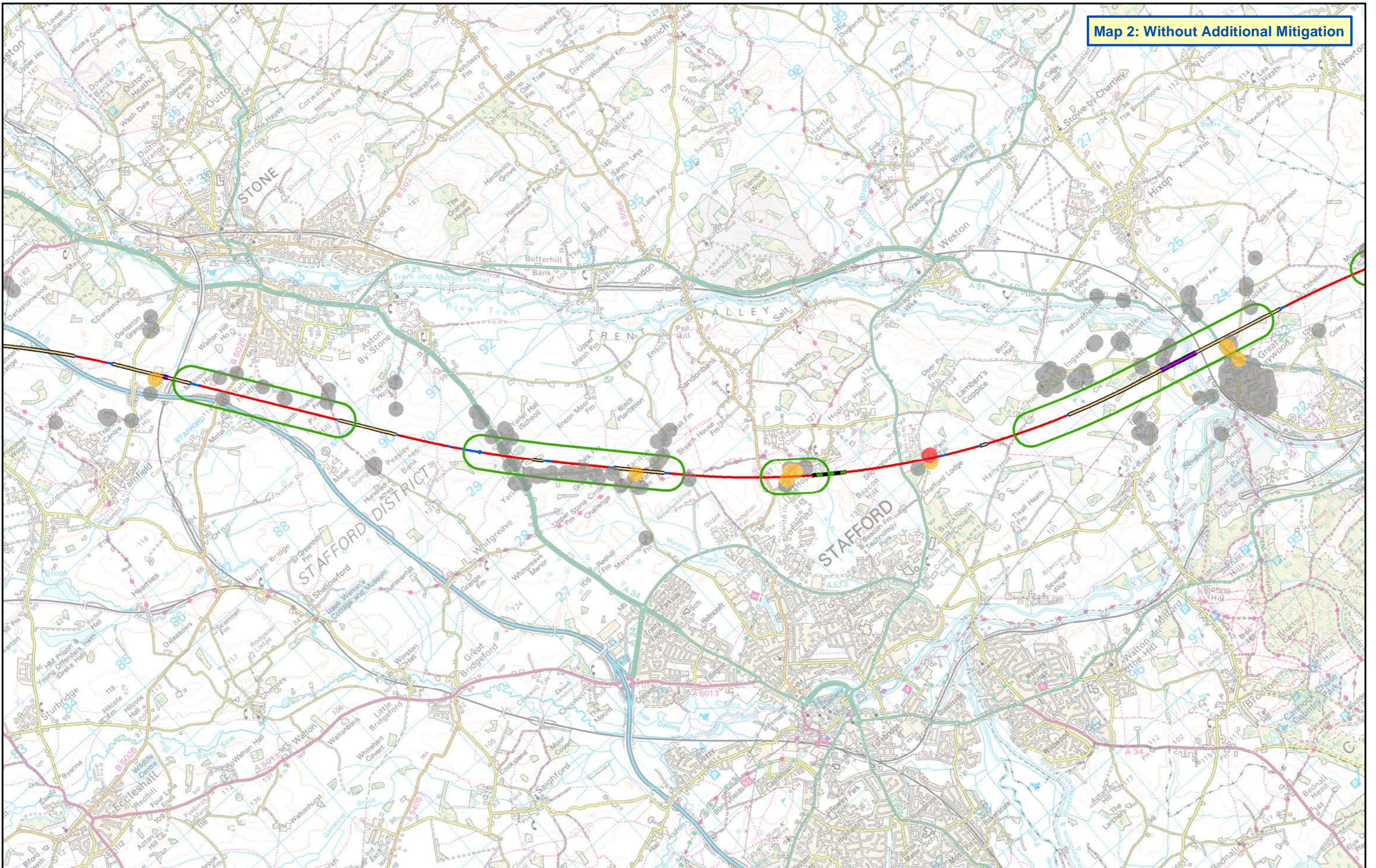
© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-000053

Date: 05/07/13

Temple ERM 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.

Map 2: Without Additional Mitigation



Route Alignment	Western Leg Station or Depot	Without Additional Mitigation, Areas Where Dwellings:	Preliminary Candidate Areas for Mitigation
At Grade	Operational Boundary	Potentially Experience High Noise Levels	
Cutting		Are Potentially Eligible for Noise Insulation	
Embankment		Potentially Experience a Noticeable Noise Increase	
Green Tunnel			
Tunnel			
Viaduct			

Figure Number: **WL-02-01-N**

Figure Name: **Residential Airborne Noise Appraisal
Proposed Route
Without Additional Mitigation**

Route Name: **HSM03**

Figure Number: **WL-02-01-N**

Figure Name: **Residential Airborne Noise Appraisal
Proposed Route
Without Additional Mitigation**

Route Name: **HSM03**

Scale at A3: 1:50,000

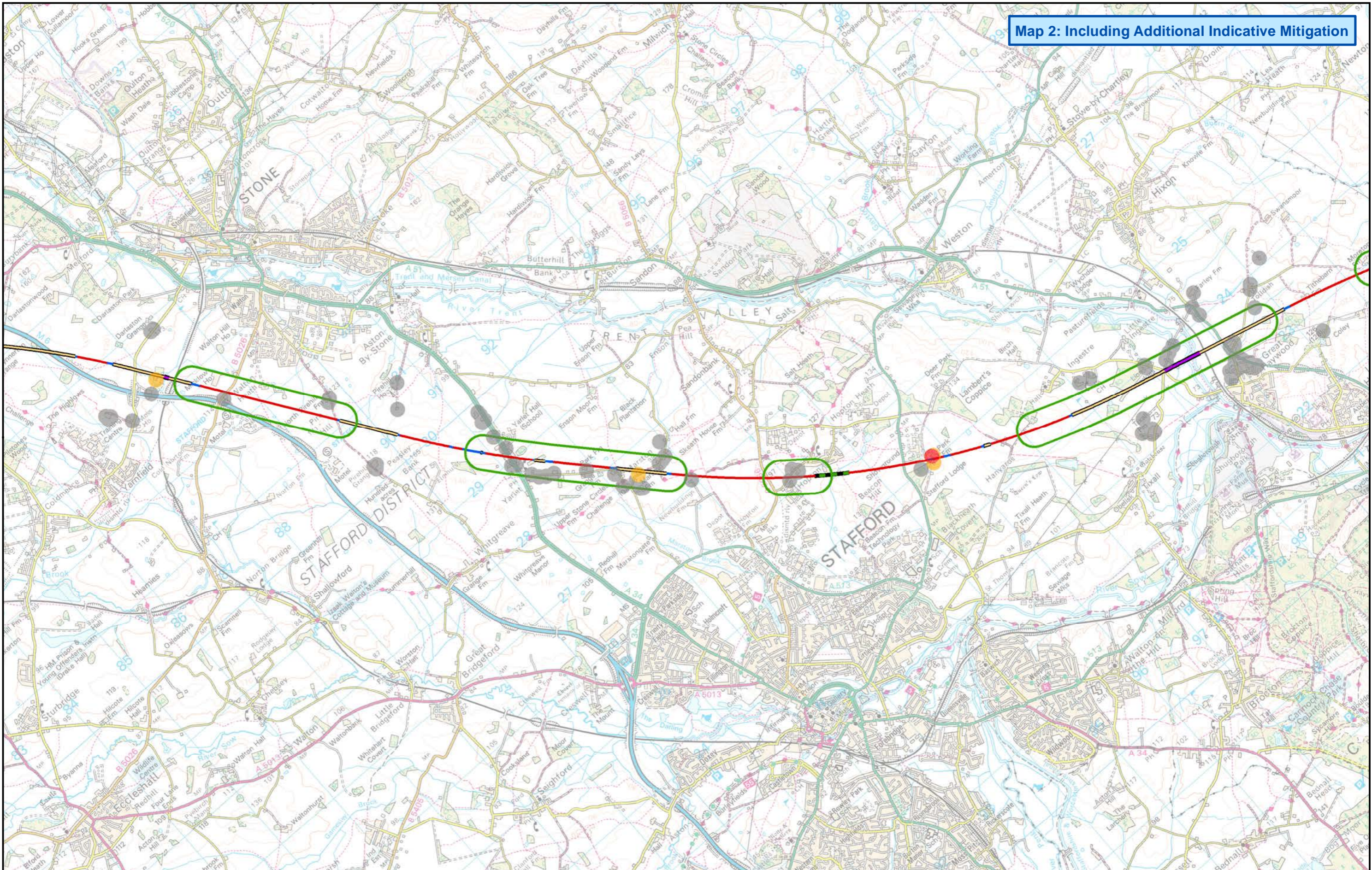
Map Number: **LMH-TGL-EV-MAP-200-000062**

Date: **05/07/13**

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Temple ERM 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.

Map 2: Including Additional Indicative Mitigation



<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cutting — Embankment — Green Tunnel 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 Areas for Mitigation</p>
--	--	---	--

Figure Number: **WL-02-02-N**

Figure Name: **Residential Airborne Noise Appraisal Proposed Route Including Additional Indicative Mitigation**

Route Name: **HSM03**

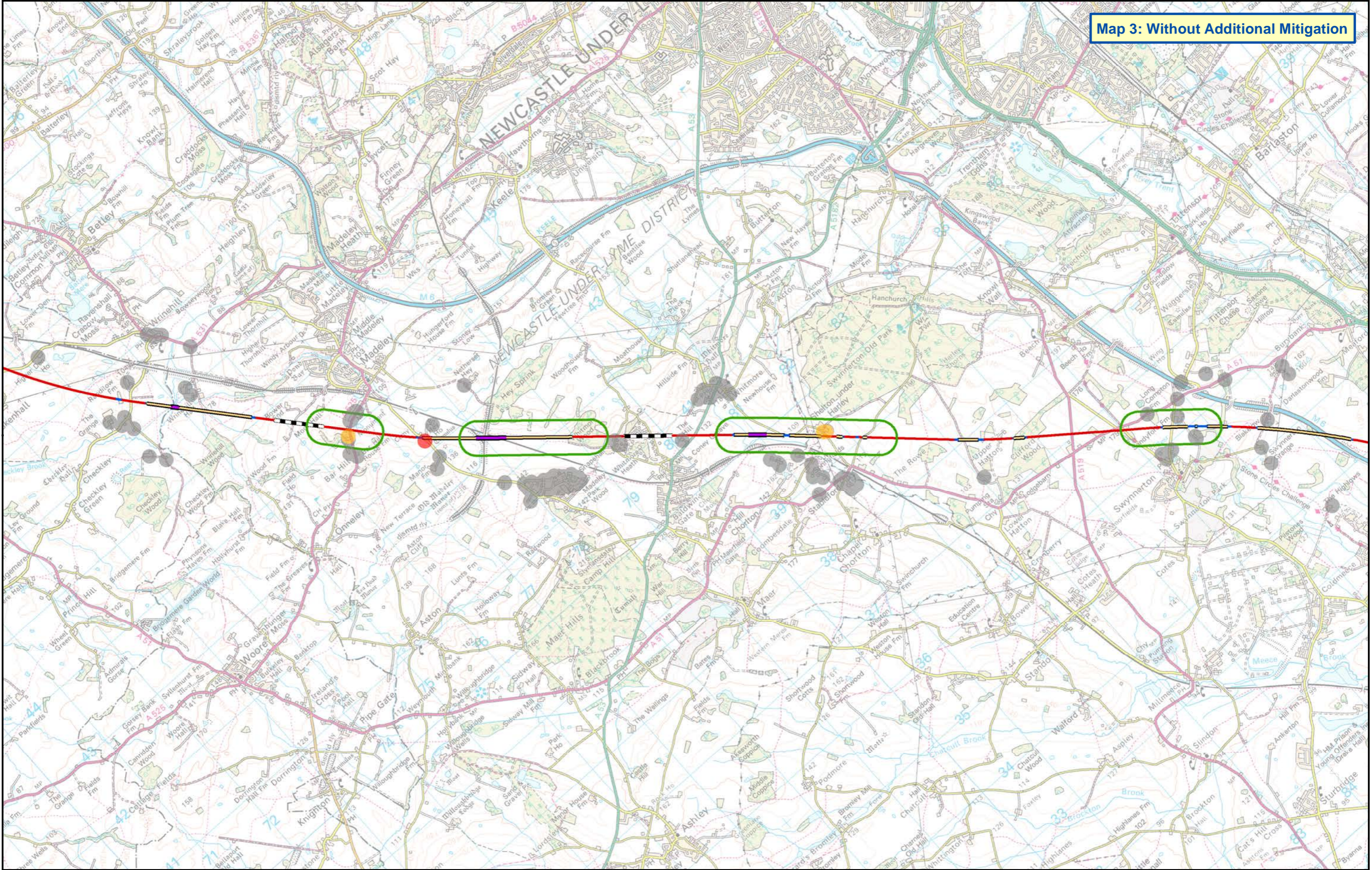
Temple ERM accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

Scale at A3: 1:50,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-000054 Date: 05/07/13

Map 3: Without Additional Mitigation



Route Alignment	Western Leg Station or Depot	Without Additional Mitigation, Areas Where Dwellings:	Preliminary Candidate Areas for Mitigation
At Grade	Operational Boundary	Potentially Experience High Noise Levels	
Cutting		Are Potentially Eligible for Noise Insulation	
Embankment		Potentially Experience a Noticeable Noise Increase	
Green Tunnel			
Tunnel			
Viaduct			

Figure Number: WL-03-01-N

Figure Name: Residential Airborne Noise Appraisal Proposed Route Without Additional Mitigation

Route Name: HSM03 / 06 / 08

TEMPLE ERM

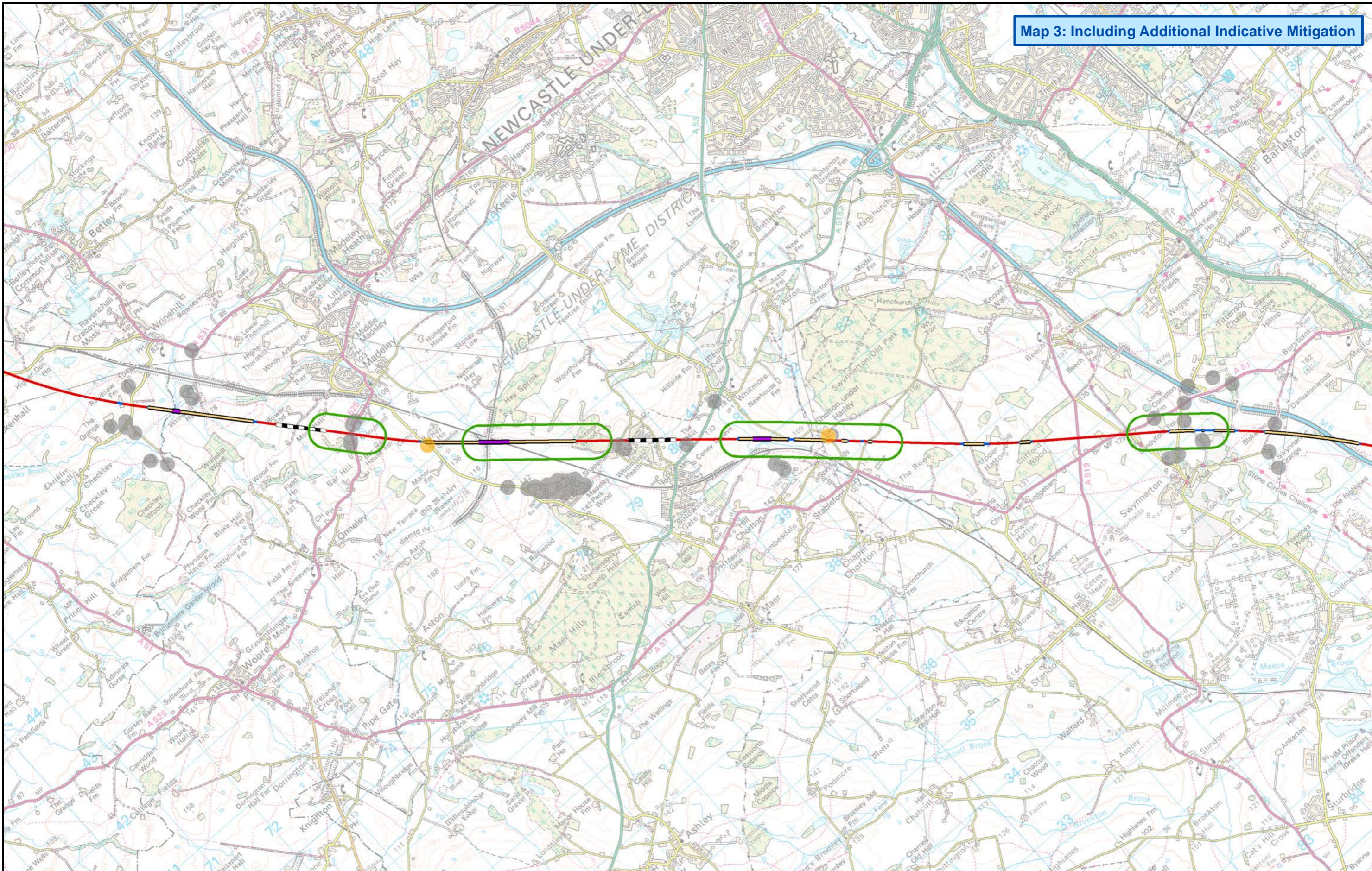
Scale at A3: 1:50,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-000063

Date: 05/07/13

Map 3: Including Additional Indicative Mitigation



Route Alignment	Western Leg Station or Depot	Including Additional Indicative Mitigation, Areas Where Dwellings:	Preliminary Candidate Areas for Mitigation
At Grade	Operational Boundary	Potentially Experience High Noise Levels	
Cutting		Are Potentially Eligible for Noise Insulation	
Embankment		Potentially Experience a Noticeable Noise Increase	
Green Tunnel			
Tunnel			
Viaduct			

Figure Number: **WL-03-02-N**

Figure Name: **Residential Airborne Noise Appraisal Proposed Route Including Additional Indicative Mitigation**

Route Name: **HSM03 / 06 / 08**

TEMPLE ERM

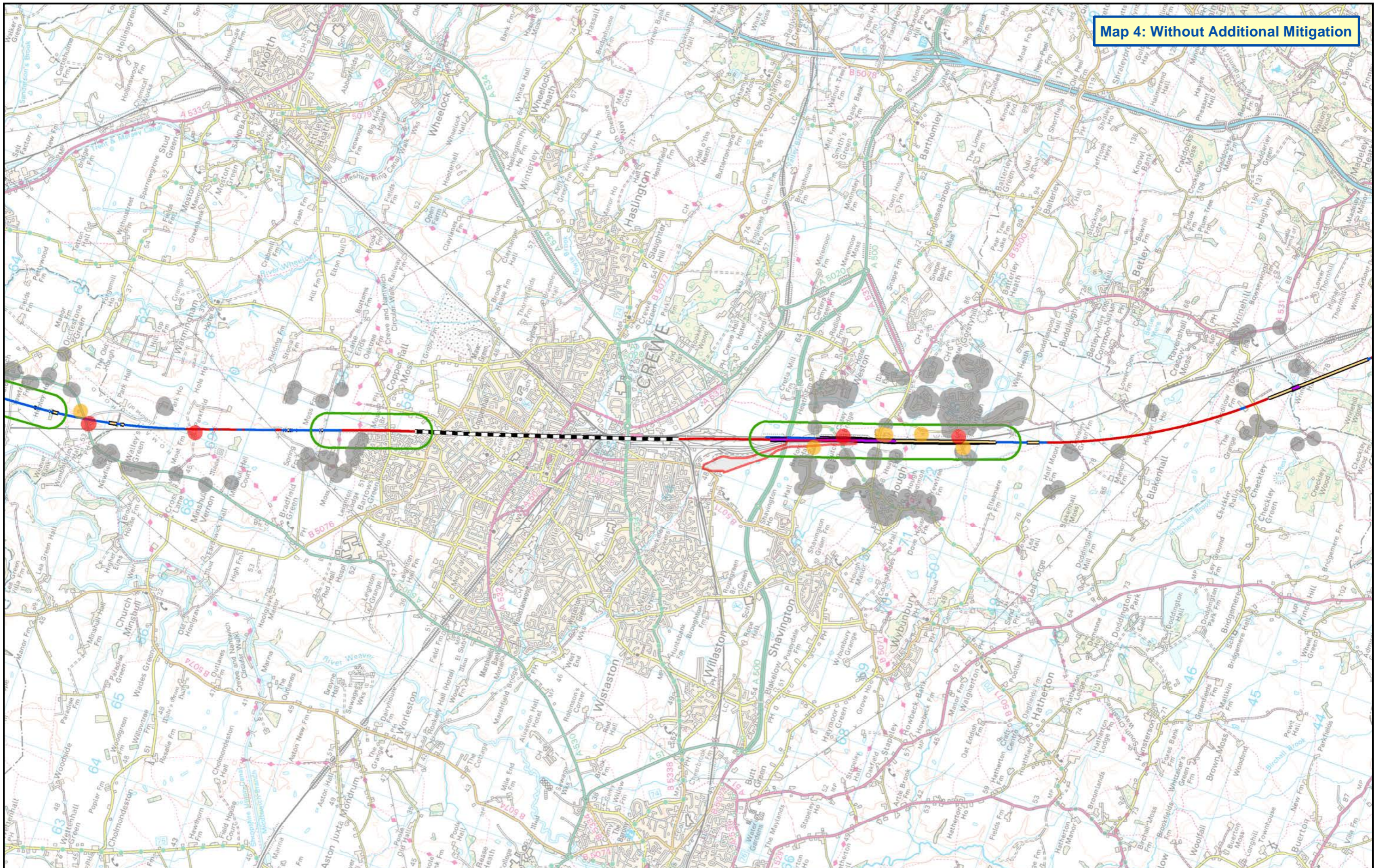
Scale at A3: 1:50,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-000055

Date: 05/07/13

Map 4: Without Additional Mitigation



Route Alignment	Western Leg Station or Depot	Without Additional Mitigation, Areas Where Dwellings:	Preliminary Candidate Areas for Mitigation
At Grade	Operational Boundary	Potentially Experience High Noise Levels	Preliminary Candidate Areas for Mitigation
Cutting		Are Potentially Eligible for Noise Insulation	
Embankment		Potentially Experience a Noticeable Noise Increase	
Green Tunnel			
Tunnel			
Viaduct			

Figure Number: WL-04-01-N

Figure Name: Residential Airborne Noise Appraisal Proposed Route Without Additional Mitigation

Route Name: HSM08 / 09 / 10

Figure Number: WL-04-01-N

Figure Name: Residential Airborne Noise Appraisal Proposed Route Without Additional Mitigation

Route Name: HSM08 / 09 / 10

Map Number: LMH-TGL-EV-MAP-200-000064

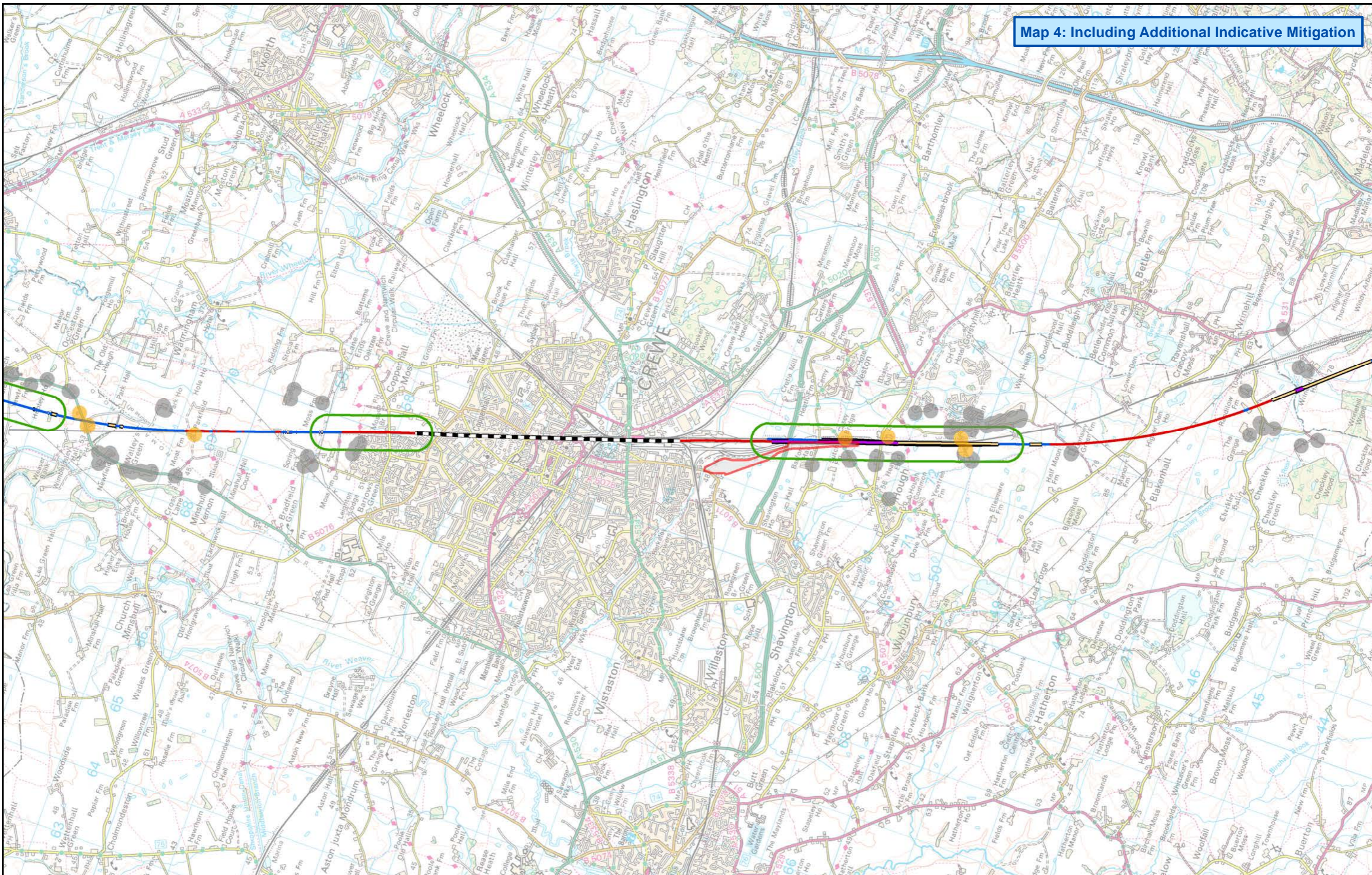
Date: 05/07/13

Scale at A3: 1:50,000

Temple ERM logo and disclaimer: Temple ERM 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.

North arrow and scale bar (0 to 1.5 Kilometers).

Map 4: Including Additional Indicative Mitigation



Route Alignment	Western Leg Station or Depot	Including Additional Indicative Mitigation, Areas Where Dwellings:	Preliminary Candidate Areas for Mitigation
— At Grade	Operational Boundary	● Potentially Experience High Noise Levels	
— Cutting		● Are Potentially Eligible for Noise Insulation	
— Embankment		● Potentially Experience a Noticeable Noise Increase	
— Green Tunnel			
— Tunnel			
— Viaduct			

Figure Number: **WL-04-02-N**

Figure Name: **Residential Airborne Noise Appraisal Proposed Route Including Additional Indicative Mitigation**

Route Name: **HSM08 / 09 / 10**

TEMPLE ERM

Scale at A3: 1:50,000

0 0.5 1 1.5 2 Kilometers

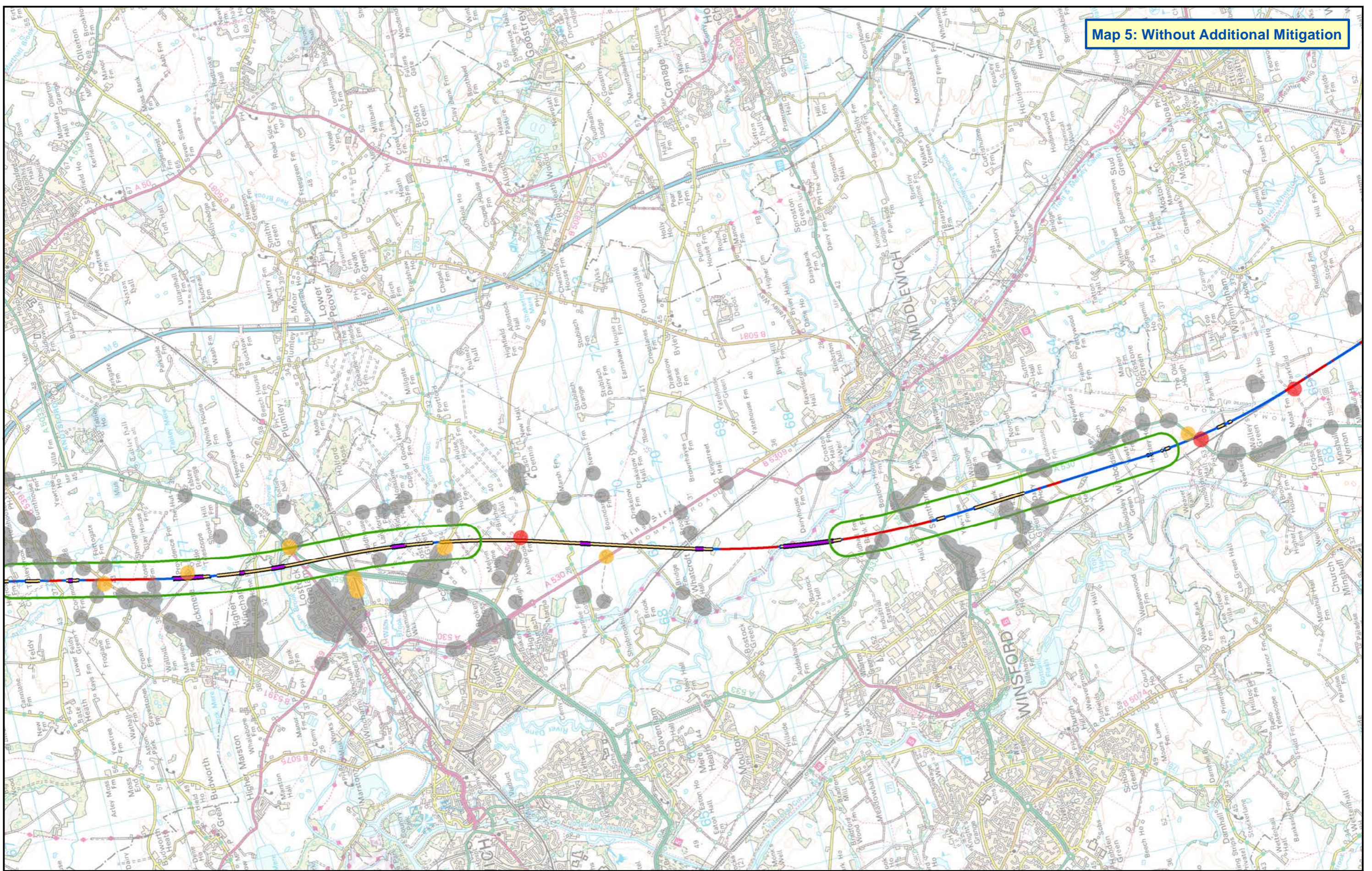
© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-000056

Date: 05/07/13

Temple ERM 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.

Map 5: Without Additional Mitigation



Route Alignment	Western Leg Station or Depot	Without Additional Mitigation, Areas Where Dwellings:	Preliminary Candidate Areas for Mitigation
At Grade	Operational Boundary	Potentially Experience High Noise Levels	Preliminary Candidate Areas for Mitigation
Cutting		Are Potentially Eligible for Noise Insulation	
Embankment		Potentially Experience a Noticeable Noise Increase	
Green Tunnel			
Tunnel			
Viaduct			

Figure Number: WL-05-01-N

Figure Name: Residential Airborne Noise Appraisal Proposed Route Without Additional Mitigation

Route Name: HSM10

Figure Number: WL-05-01-N

Figure Name: Residential Airborne Noise Appraisal Proposed Route Without Additional Mitigation

Route Name: HSM10

Map Number: LMH-TGL-EV-MAP-200-000065

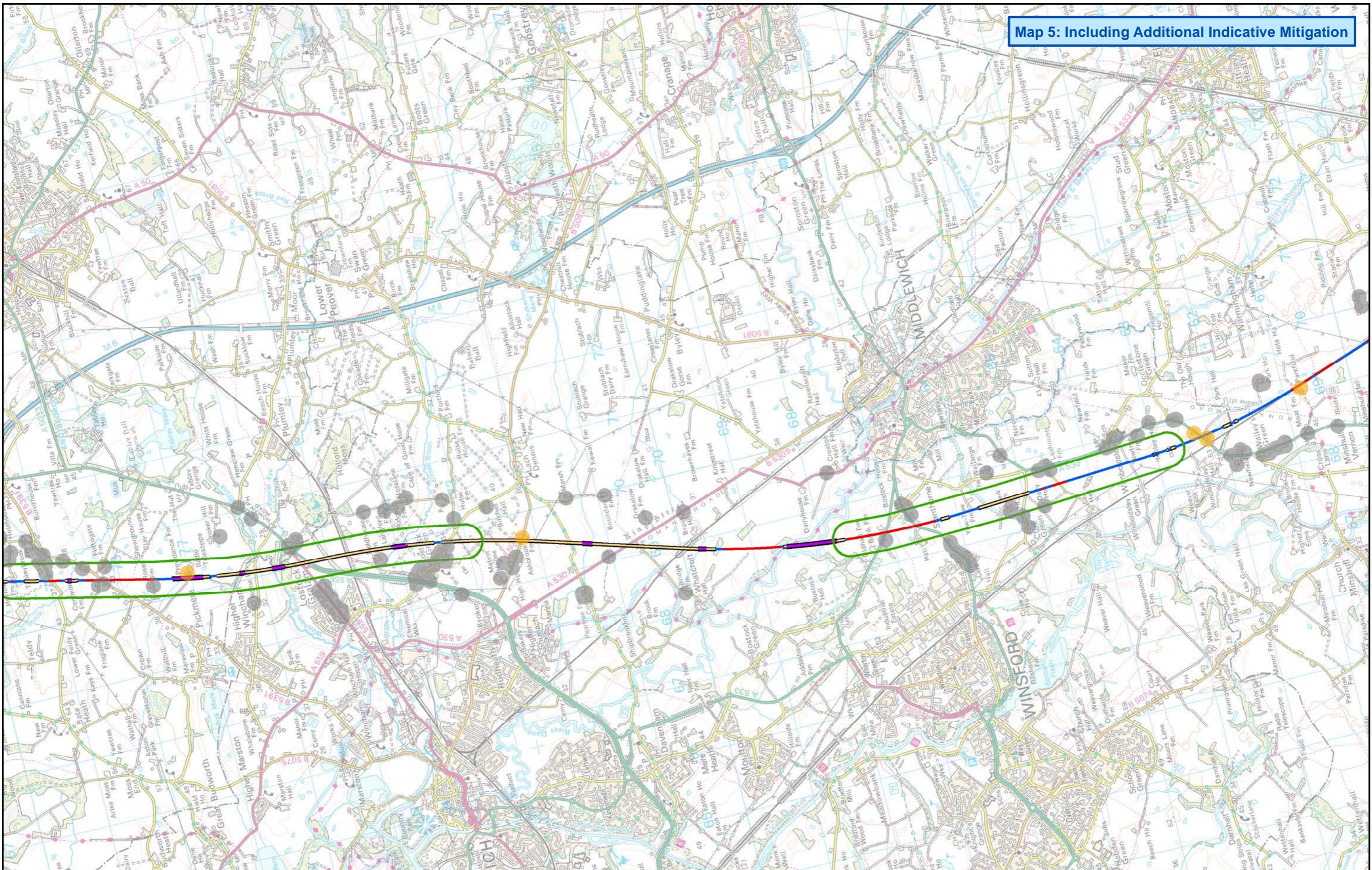
Date: 05/07/13

Scale at A3: 1:50,000

0 0.5 1.0 1.5 Kilometers

Temple ERM 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.

Map 5: Including Additional Indicative Mitigation



- | | | |
|------------------------|-------------------------------------|---|
| Route Alignment | Western Leg Station or Depot | Including Additional Indicative Mitigation, Areas Where Dwellings: |
| At Grade | Operational Boundary | Potentially Experience High Noise Levels |
| Cutting | | Are Potentially Eligible for Noise Insulation |
| Embankment | | Potentially Experience a Noticeable Noise Increase |
| Green Tunnel | | |
| Tunnel | | |
| Viaduct | | |

Preliminary Candidate Areas for Mitigation

Figure Number: **WL-05-02-N**

Figure Name: **Residential Airborne Noise Appraisal Proposed Route Including Additional Indicative Mitigation**

Route Name: **HSM10**

Temple ERM 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: 1:50,000

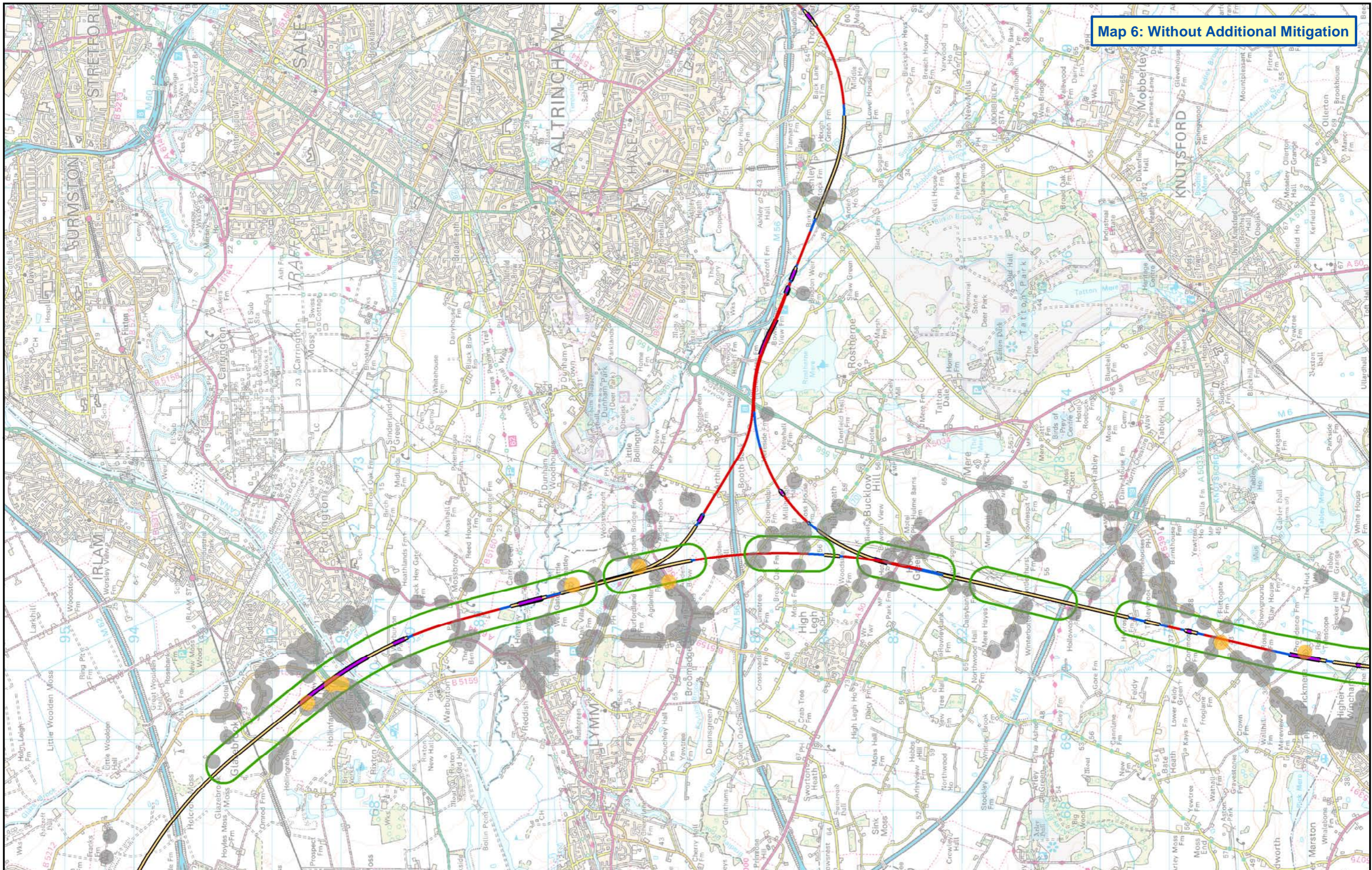
Kilometers

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

 Map Number: LMH-TGL-EV-MAP-200-000057

 Date: 05/07/13

Map 6: Without Additional Mitigation



Route Alignment	Western Leg Station or Depot	Without Additional Mitigation, Areas Where Dwellings:	Preliminary Candidate Areas for Mitigation
At Grade	Operational Boundary	Potentially Experience High Noise Levels	Preliminary Candidate Areas for Mitigation
Cutting		Are Potentially Eligible for Noise Insulation	
Embankment		Potentially Experience a Noticeable Noise Increase	
Green Tunnel			
Tunnel			
Viaduct			

Figure Number: WL-06-01-N

Figure Name: Residential Airborne Noise Appraisal Proposed Route Without Additional Mitigation

Route Name: HSM10 / 12 / 21 / 28 / 30

TEMPLE ERM

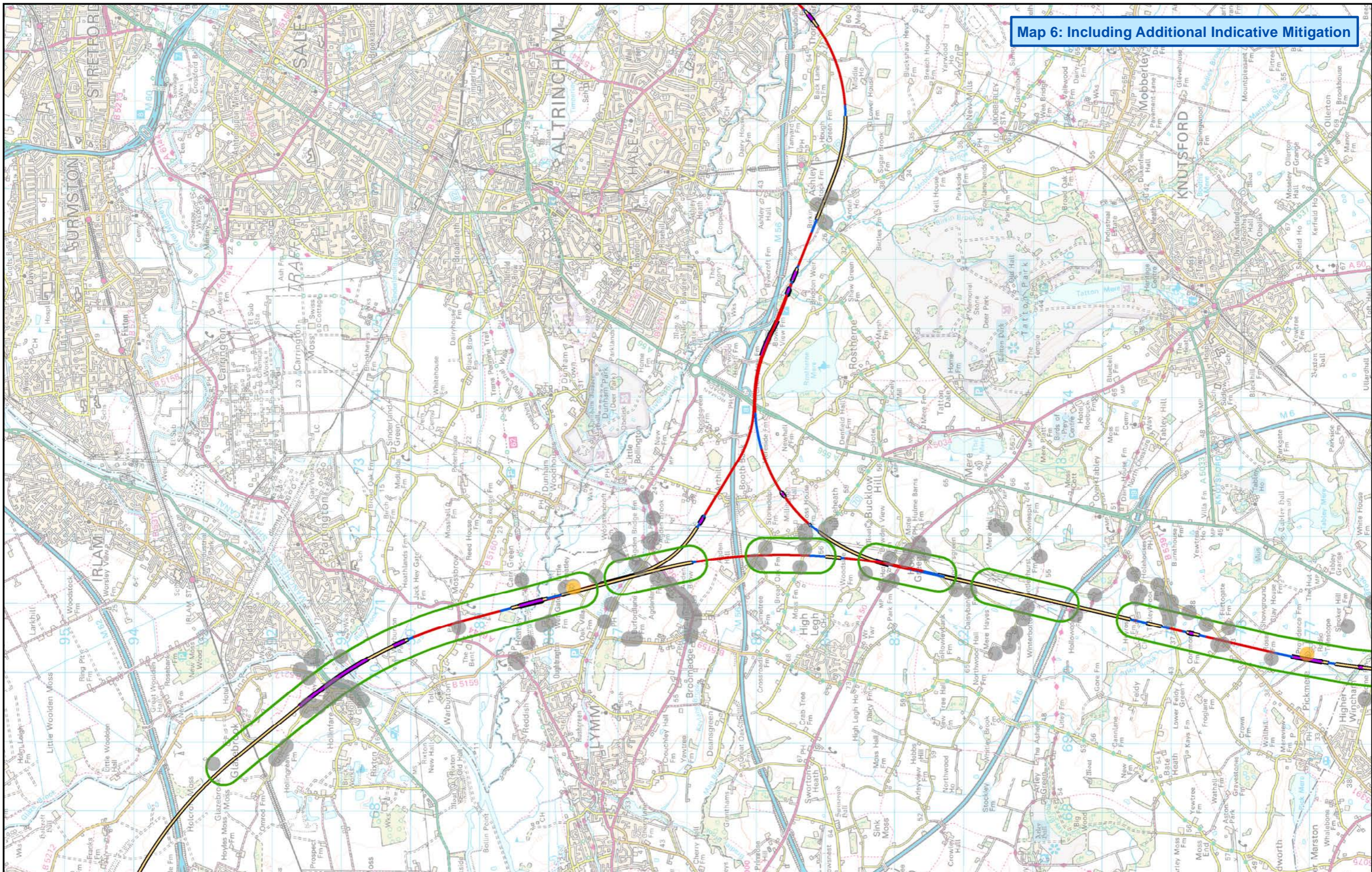
Scale at A3: 1:50,000

Map Number: LMH-TGL-EV-MAP-200-000066

Date: 05/07/13

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map 6: Including Additional Indicative Mitigation



Route Alignment	Western Leg Station or Depot	Including Additional Indicative Mitigation, Areas Where Dwellings:	Preliminary Candidate Areas for Mitigation
At Grade	Operational Boundary	Potentially Experience High Noise Levels	Preliminary Candidate Areas for Mitigation
Cutting		Are Potentially Eligible for Noise Insulation	
Embankment		Potentially Experience a Noticeable Noise Increase	
Green Tunnel			
Tunnel			
Viaduct			

Figure Number: **WL-06-02-N**

Figure Name: **Residential Airborne Noise Appraisal Proposed Route Including Additional Indicative Mitigation**

Route Name: **HSM10 / 12 / 21 / 28 / 30**

TEMPLE ERM

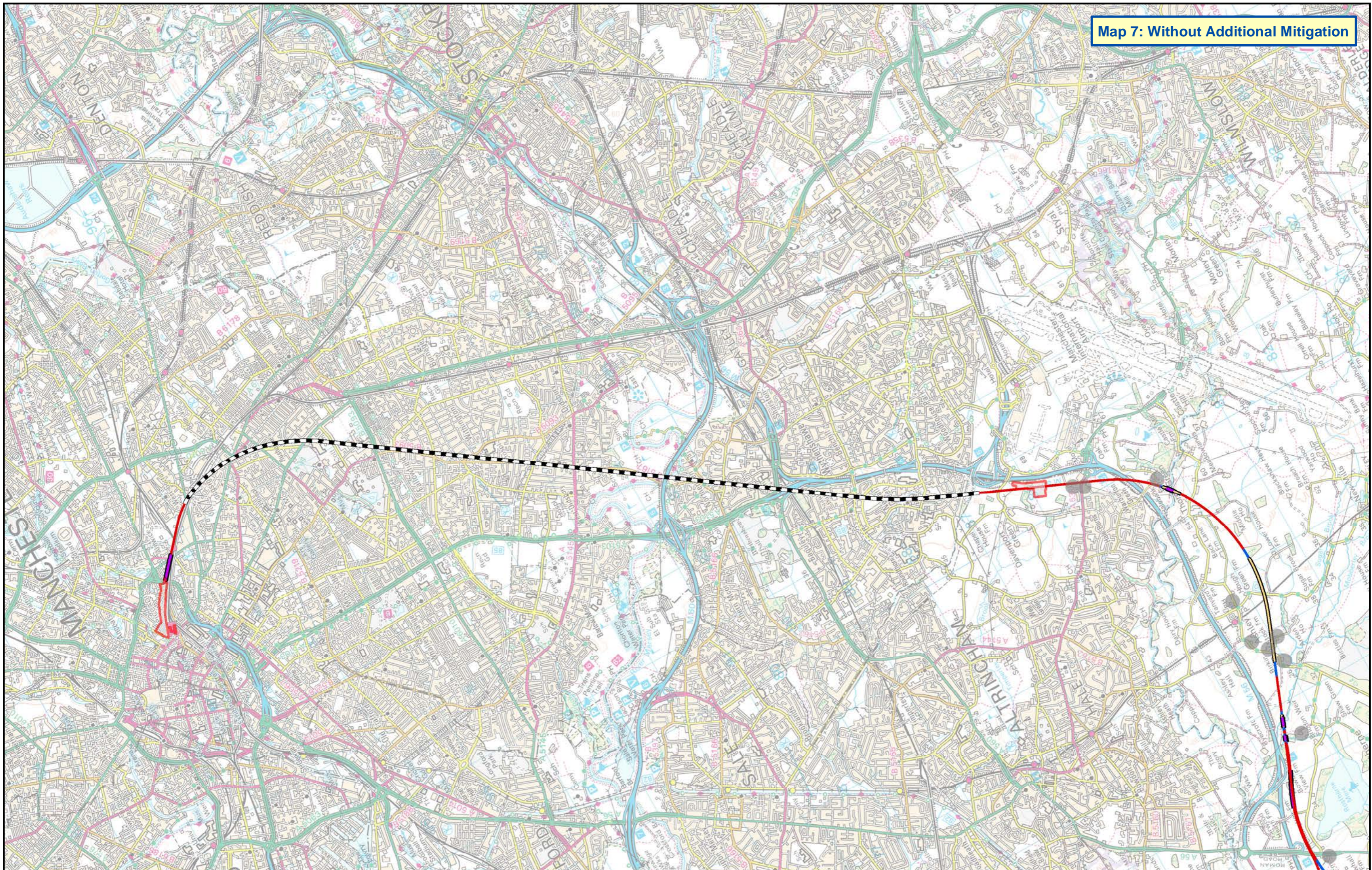
Scale at A3: 1:50,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-000058

Date: 05/07/13

Map 7: Without Additional Mitigation



Route Alignment	Western Leg Station or Depot	Without Additional Mitigation, Areas Where Dwellings:	Preliminary Candidate Areas for Mitigation
At Grade	Operational Boundary	Potentially Experience High Noise Levels	
Cutting		Are Potentially Eligible for Noise Insulation	
Embankment		Potentially Experience a Noticeable Noise Increase	
Green Tunnel			
Tunnel			
Viaduct			

Figure Number: WL-07-01-N

Figure Name: Residential Airborne Noise Appraisal Proposed Route Without Additional Mitigation

Route Name: HSM26 / 28 / 30

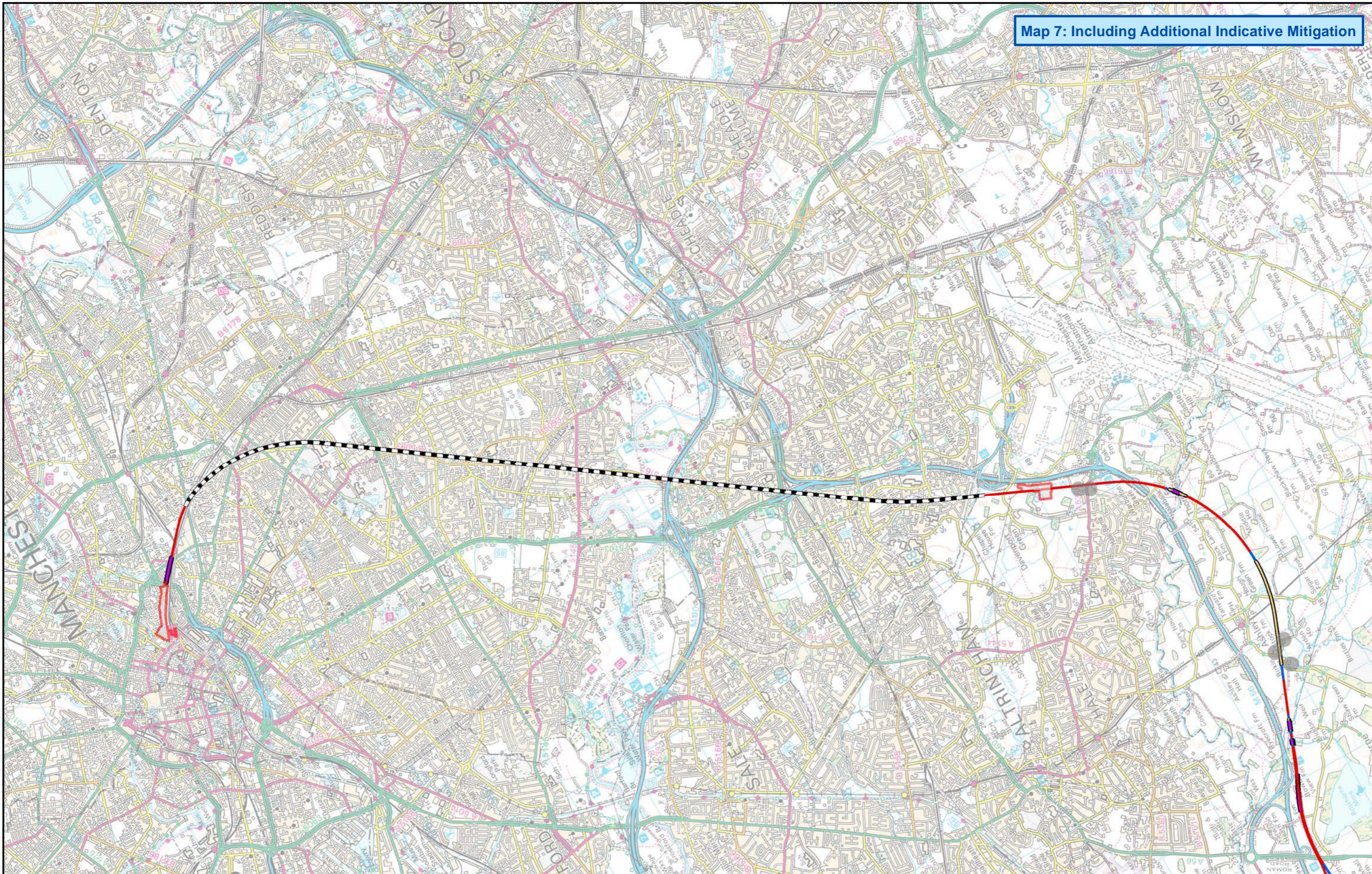
Temple ERM accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

Scale at A3: 1:50,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-000067 Date: 05/07/13

Map 7: Including Additional Indicative Mitigation



Route Alignment	Western Leg Station or Depot	Including Additional Indicative Mitigation, Areas Where Dwellings:	Preliminary Candidate Areas for Mitigation
At Grade	Operational Boundary	Potentially Experience High Noise Levels	
Cutting		Are Potentially Eligible for Noise Insulation	
Embankment		Potentially Experience a Noticeable Noise Increase	
Green Tunnel			
Tunnel			
Viaduct			

Figure Number: WL-07-02-N

Figure Name: Residential Airborne Noise Appraisal Proposed Route Including Additional Indicative Mitigation

Route Name: HSM26 / 28 / 30

Temple ERM 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.

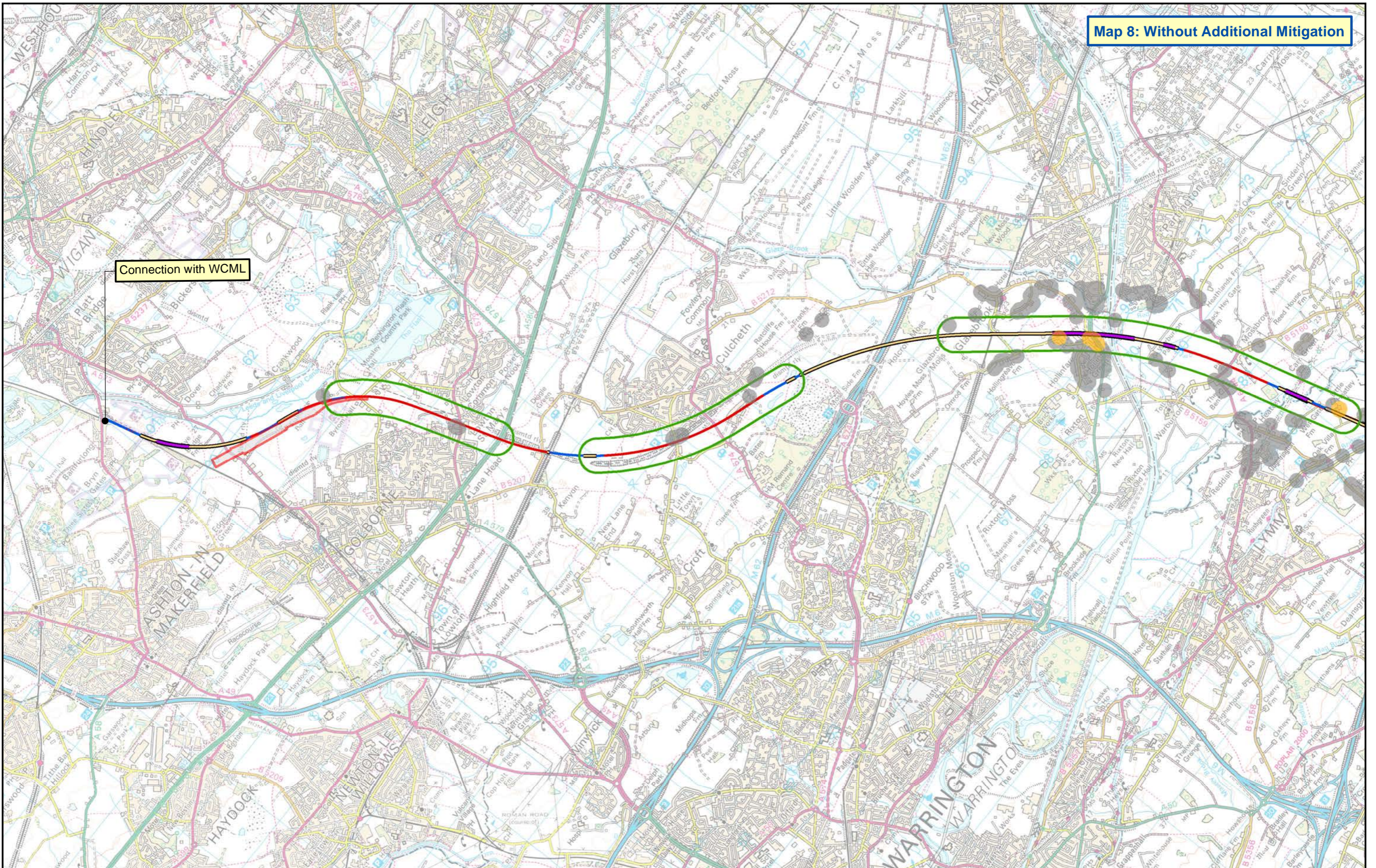
Scale at A3: 1:50,000

Kilometers

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-000059 Date: 05/07/13

Map 8: Without Additional Mitigation



Route Alignment	Western Leg Station or Depot	Without Additional Mitigation, Areas Where Dwellings:	Preliminary Candidate Areas for Mitigation
— At Grade	Operational Boundary	● Potentially Experience High Noise Levels	□ Preliminary Candidate Areas for Mitigation
— Cutting		● Are Potentially Eligible for Noise Insulation	
— Embankment		● Potentially Experience a Noticeable Noise Increase	
— Green Tunnel			
— Tunnel			
— Viaduct			

Figure Number: WL-08-01-N

Figure Name: Residential Airborne Noise Appraisal Proposed Route Without Additional Mitigation

Route Name: HSM12 / 21 / 22 / 30

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-000068

Date: 05/07/13

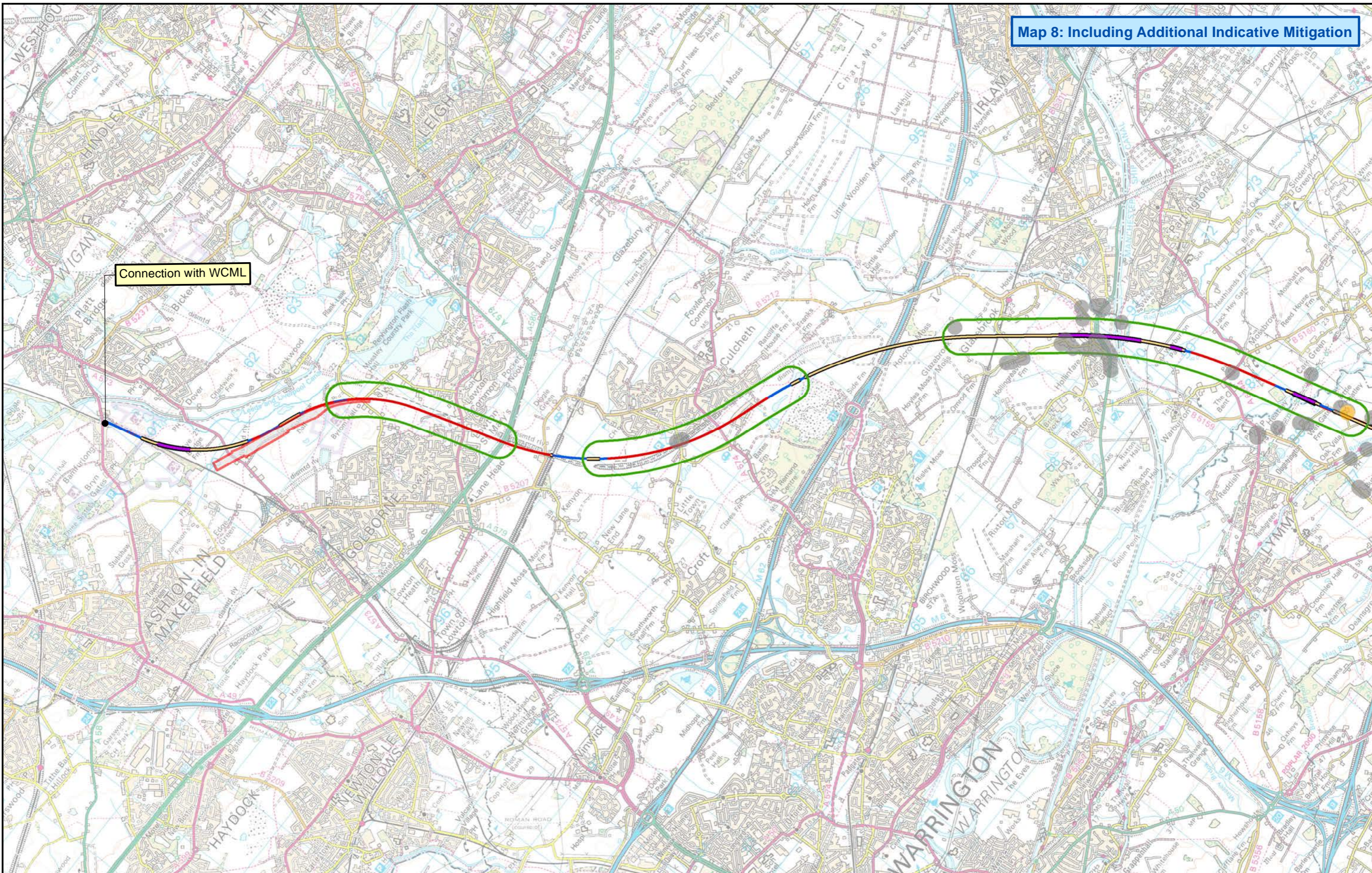
Scale at A3: 1:50,000

0 0.5 1 1.5 2 Kilometers

TEMPLE ERM

Temple ERM 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.

Map 8: Including Additional Indicative Mitigation



Route Alignment	Western Leg Station or Depot	Including Additional Indicative Mitigation, Areas Where Dwellings:	Preliminary Candidate Areas for Mitigation
— At Grade	Operational Boundary	● Potentially Experience High Noise Levels	
— Cutting		● Are Potentially Eligible for Noise Insulation	
— Embankment		● Potentially Experience a Noticeable Noise Increase	
— Green Tunnel			
— Tunnel			
— Viaduct			

Figure Number: WL-08-02-N

Figure Name: Residential Airborne Noise Appraisal Proposed Route Including Additional Indicative Mitigation

Route Name: HSM12 / 21 / 22 / 30

TEMPLE ERM

Scale at A3: 1:50,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-200-000060

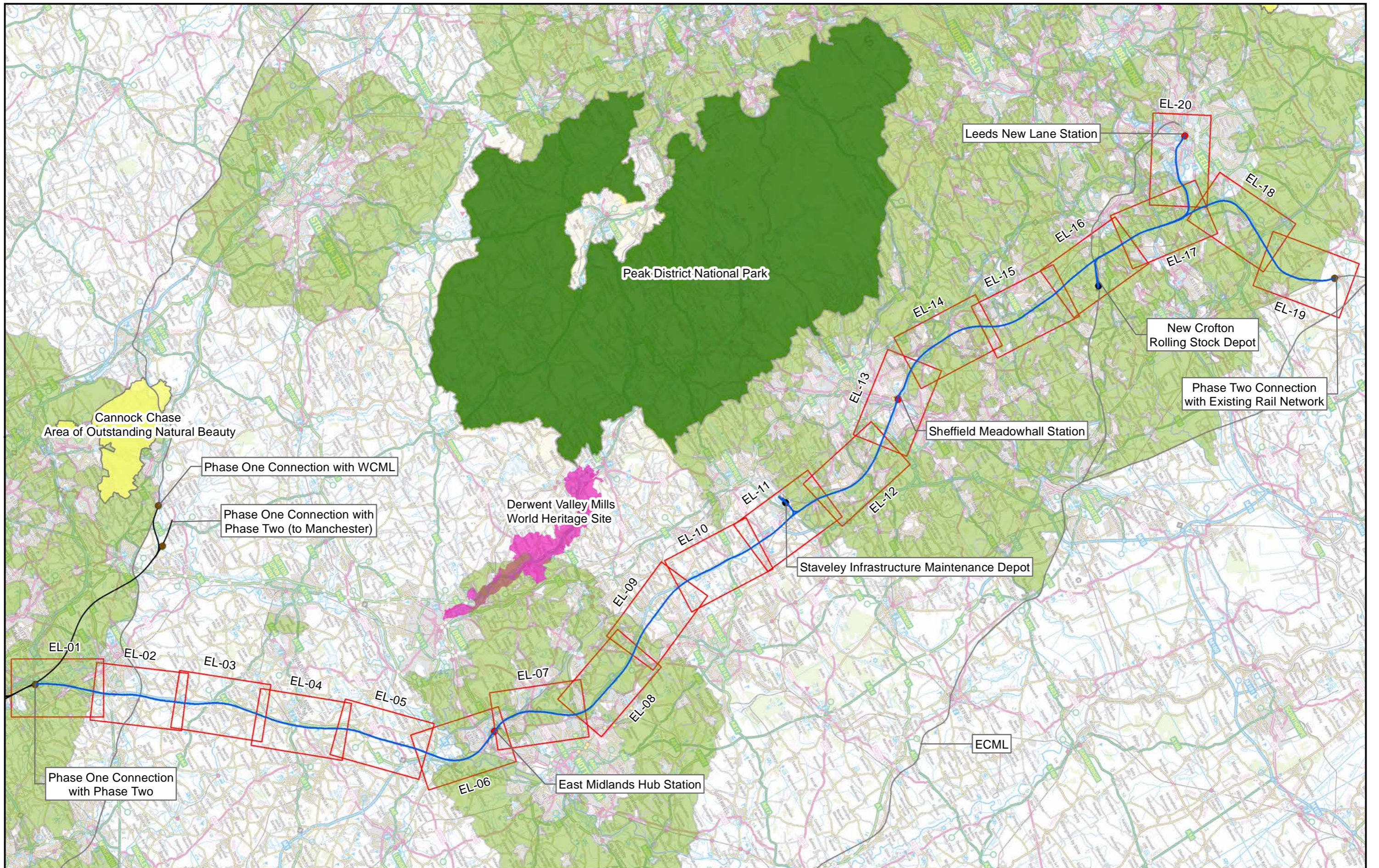
Date: 05/07/13

Eastern Leg – Leeds

Eastern Leg - Leeds

Environmental Features Mapping

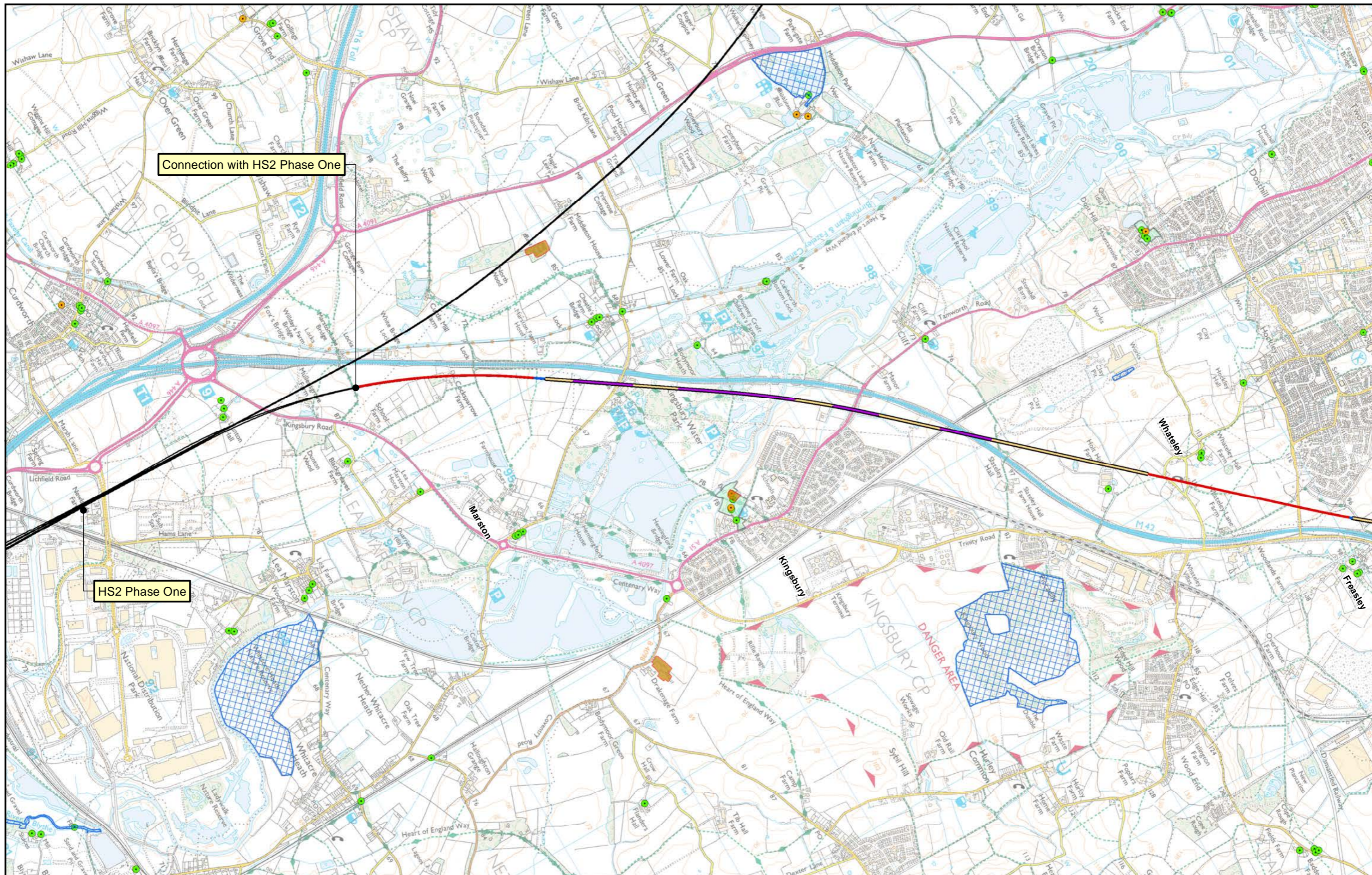
Set 1 to 3



Route Alignment	Sustainability Features
— Eastern Leg proposed route	■ Area of Outstanding Natural Beauty
● Connection	■ Green Belt
● Depot	■ National Park
● Station	■ World Heritage Site
— HS2 Phase One	
— ECML / WCML	
□ Map Windows	

Figure Number:	EL-01-INDEX-ENV
Figure Name:	Map Index Overview Appraisal of Sustainability Key Environmental Features Mapping
Route Name:	Eastern Leg

	<p>Temple ERM 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>	
	Scale at A3: 1:375,000	
	<small>© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.</small>	
Map Number: LMH-TGL-EV-MAP-100-000066	Date: 05/07/13	



Route Alignment

- At Grade
- Cut & Cover Tunnel
- Cutting
- Embankment
- Tunnel
- Viaduct
- Station or Depot Operational Boundary

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)
- Conservation Area
- National Nature Reserve (NNR)
- Registered Battlefield
- Registered Park and Garden

Figure Number: EL-01-01

Figure Name: **Key Environmental Features Set 1 of 3**

Route Name: HSL01

TEMPLE ERM

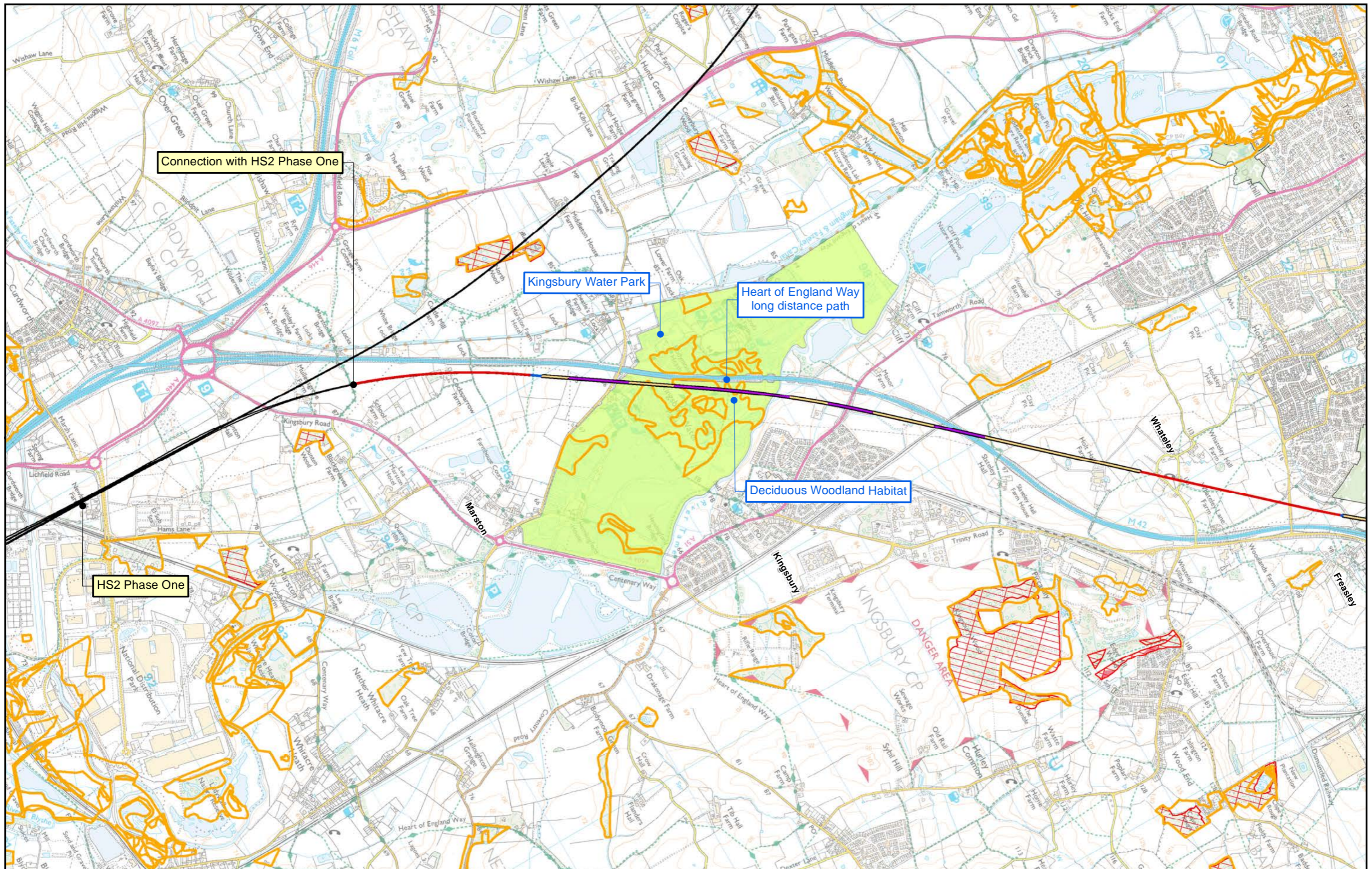
Scale at A3: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000001

Date: 03/07/13

Temple ERM 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.



Route Alignment	
	At Grade
	Cut & Cover Tunnel
	Cutting
	Embankment
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features			
	Ancient Woodland		Local Nature Reserve (LNR)
	Country Parks		National Trail
	Habitat of Principal Importance		National Trust Ownership

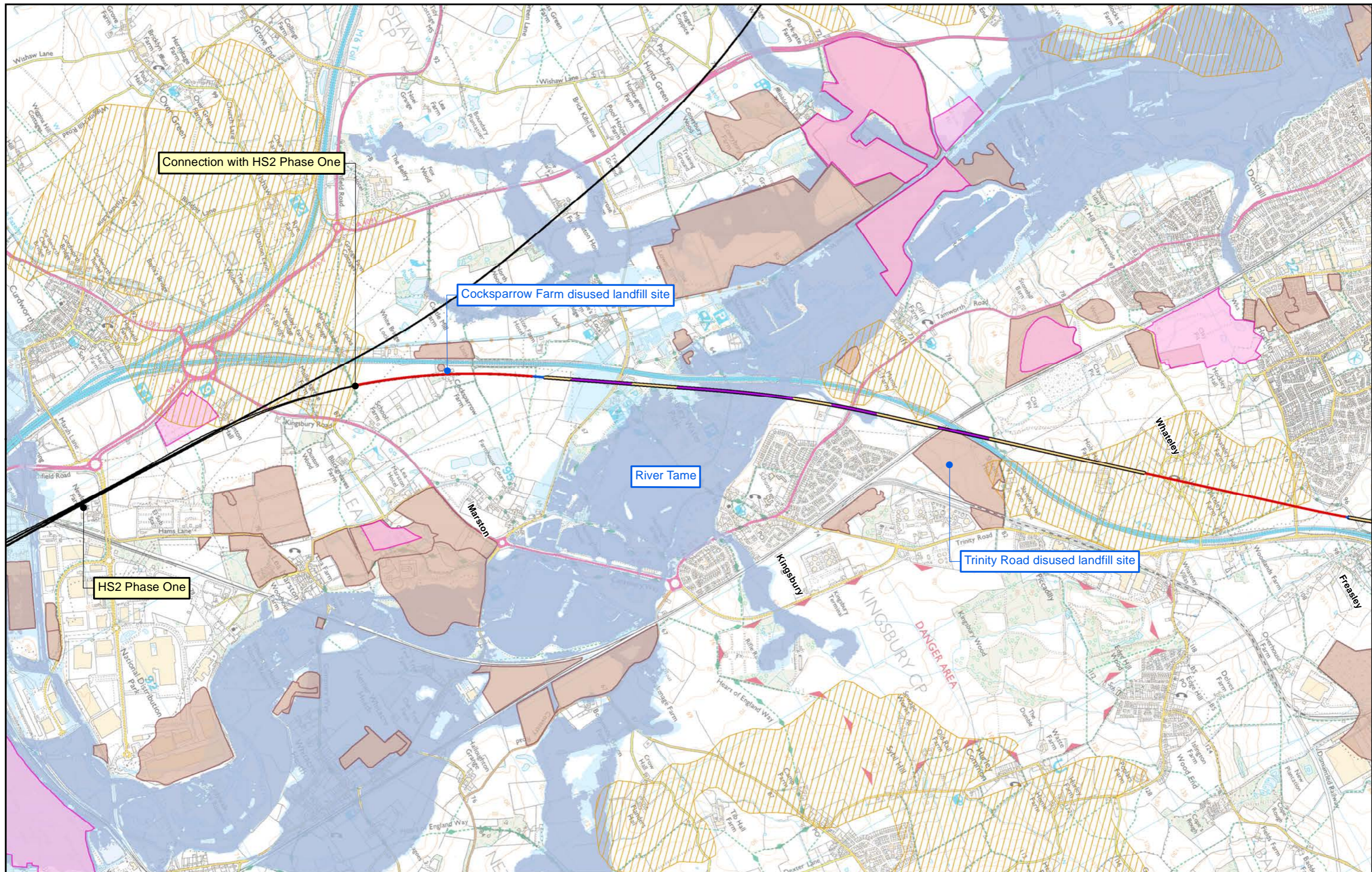
Figure Number:	EL-01-02
Figure Name:	Key Environmental Features Set 2 of 3
Route Name:	HSL01

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000021 Date: 05/07/13



Route Alignment

	At Grade
	Cut & Cover Tunnel
	Cutting
	Embankment
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features

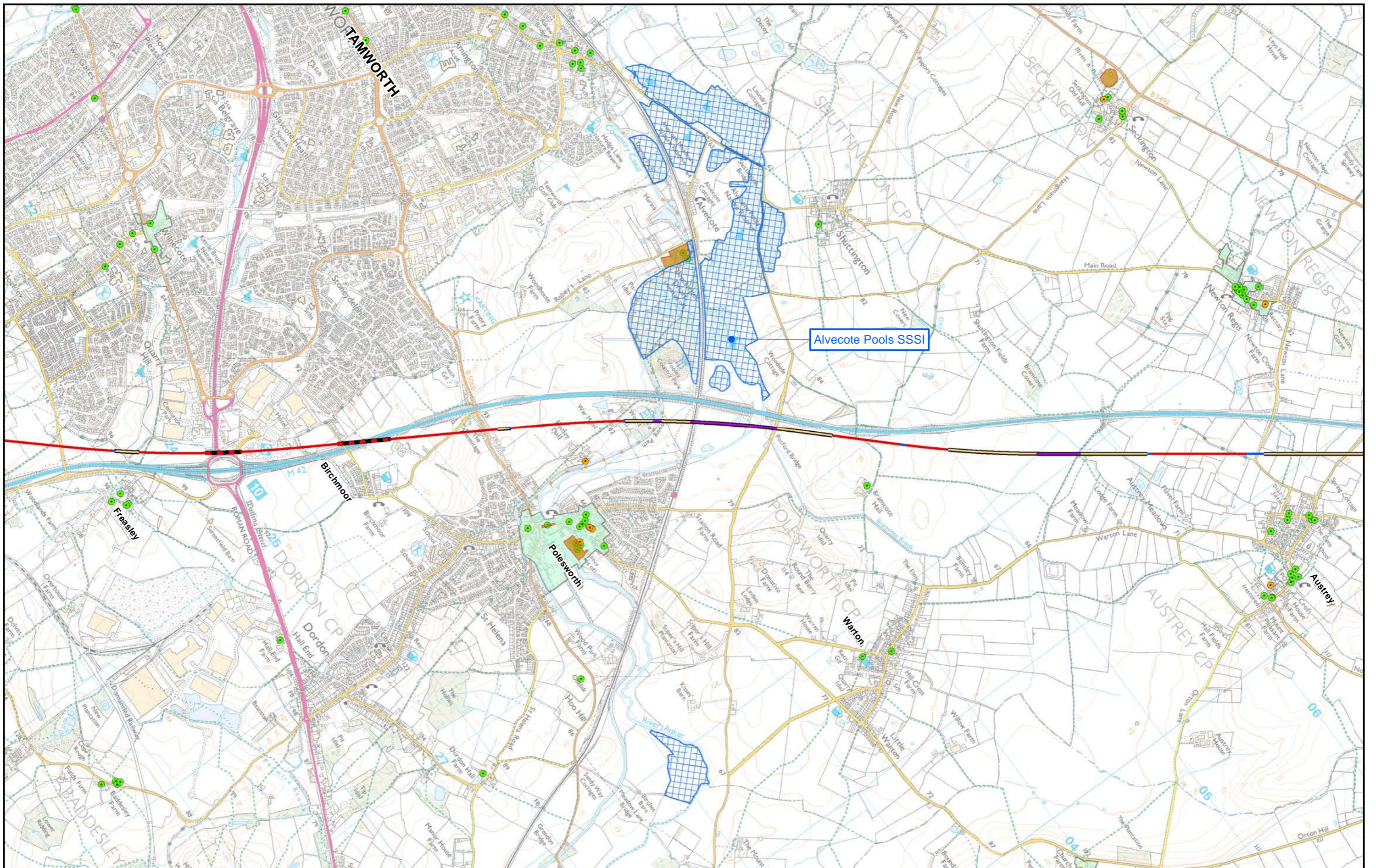
	Agricultural Land Grade 1		Flood Zone 3
	Agricultural Land Grade 2		Flood Zone 2
	Landfill Site (Active)		Groundwater Source Protection Zone 1
	Landfill Site (Disused)		Groundwater Source Protection Zone 2
	Major Development Site		

Figure Number:	EL-01-03
Figure Name:	Key Environmental Features Set 3 of 3
Route Name:	HSL01

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.
 Map Number: LMH-TGL-EV-MAP-100-000041 Date: 05/07/13



Route Alignment

	At Grade
	Cut & Cover Tunnel
	Cutting
	Embankment
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features

	Listed Building Grade I		Ramsar Site		Conservation Area
	Listed Building Grade II*		Special Area of Conservation (SAC)		National Nature Reserve (NNR)
	Listed Building Grade II		Special Protection Area (SPA)		Registered Battlefield
	Scheduled Monument		Site of Special Scientific Interest (SSSI)		Registered Park and Garden

Figure Number:	EL-02-01
Figure Name:	Key Environmental Features Set 1 of 3
Route Name:	HSL01 / HSL06

© Crown copyright and database rights 2013.
Ordnance Survey Licence Number 100049190.

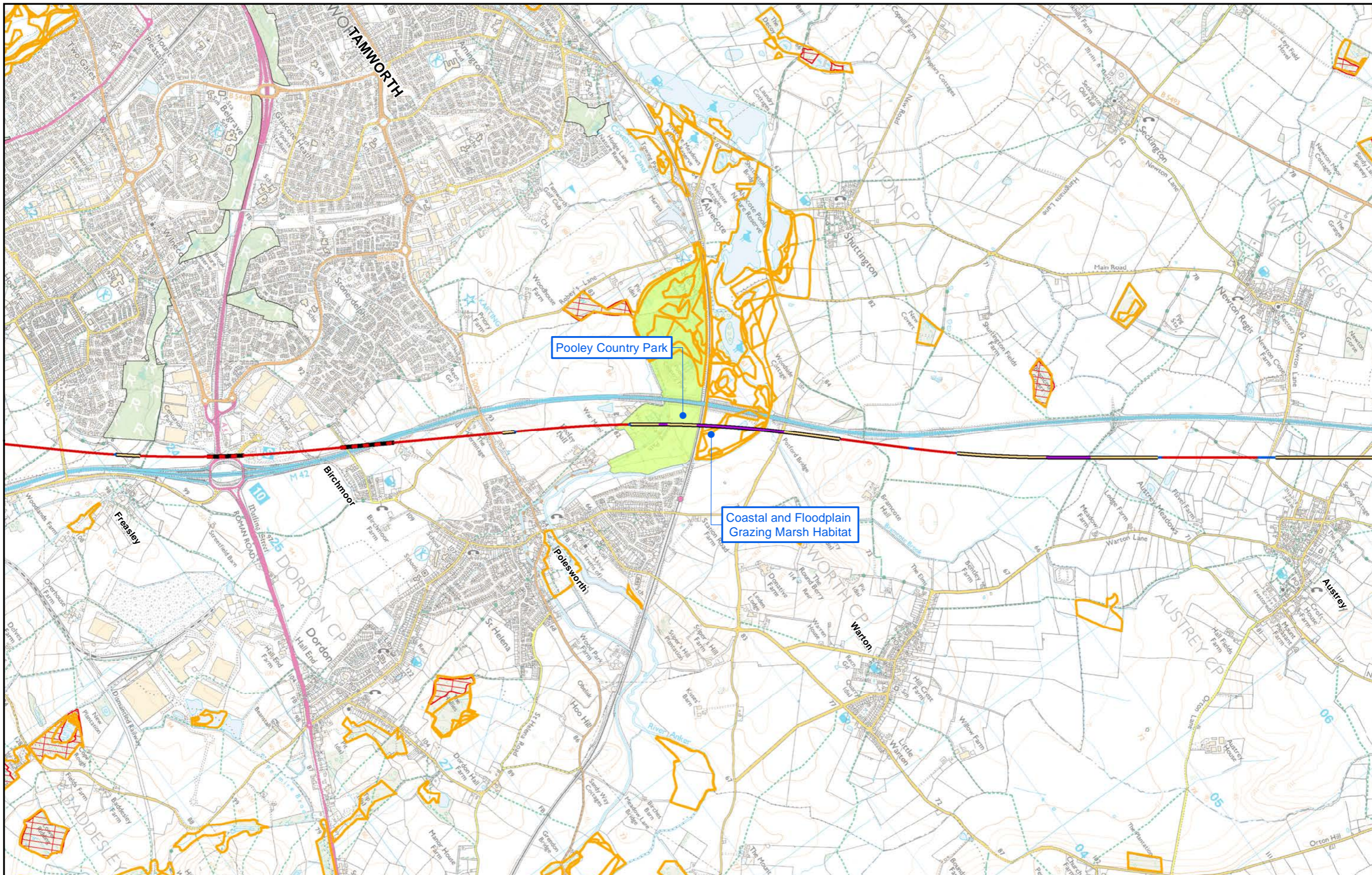
Map Number: LMH-TGL-EV-MAP-100-000002

Scale at A3: 1:25,000

Metres

Temple ERM 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.

Date: 03/07/13



Route Alignment

	At Grade
	Cut & Cover Tunnel
	Cutting
	Embankment
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features

	Ancient Woodland		Local Nature Reserve (LNR)
	Country Parks		National Trail
	Habitat of Principal Importance		National Trust Ownership

Figure Number:	EL-02-02
Figure Name:	Key Environmental Features Set 2 of 3
Route Name:	HSL01 / HSL06

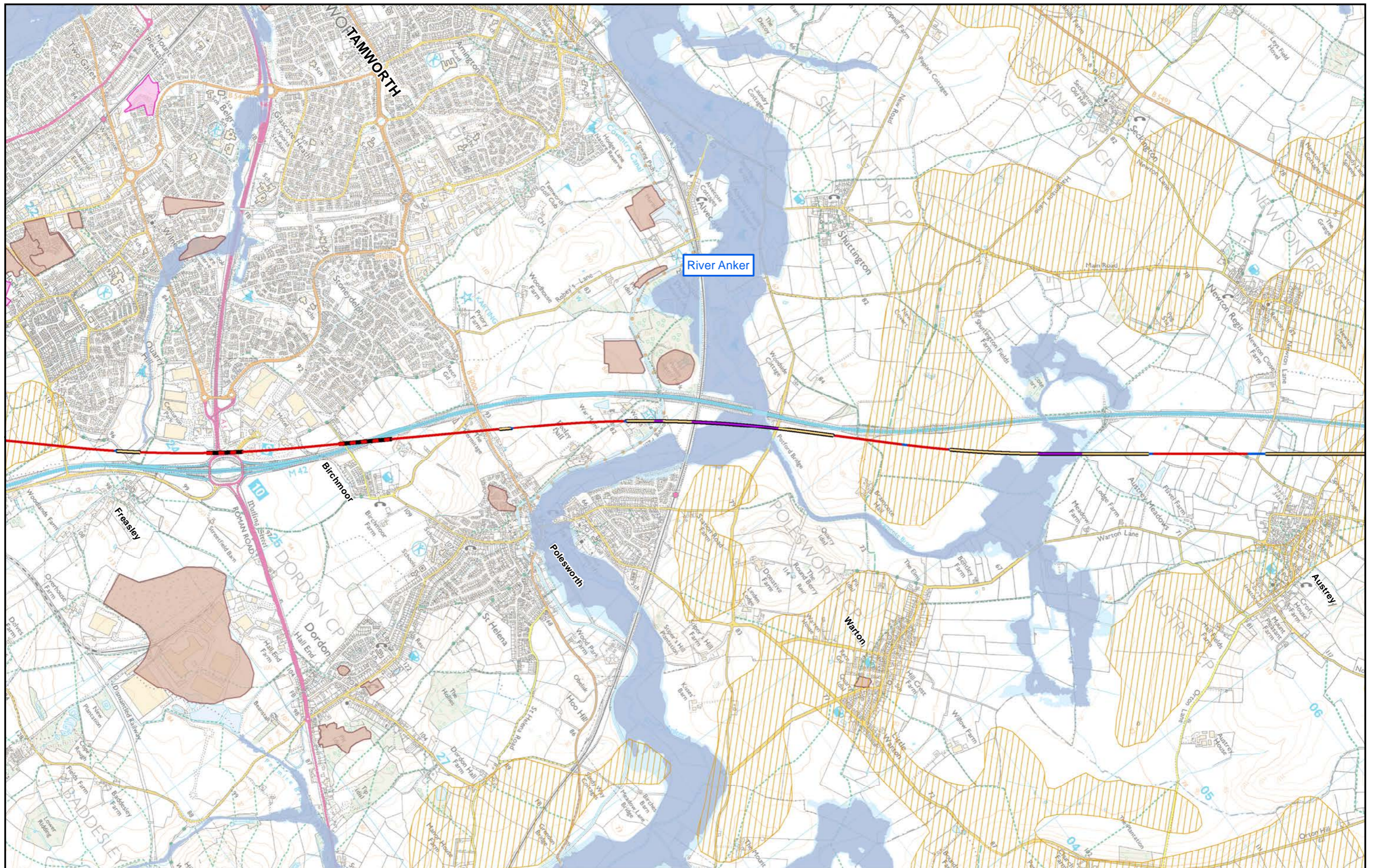
Temple ERM accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

Scale at A3: 1:25,000

 Metres

© Crown copyright and database rights 2013.
 Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000022 Date: 05/07/13



Route Alignment	
	At Grade
	Cut & Cover Tunnel
	Cutting
	Embankment
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

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

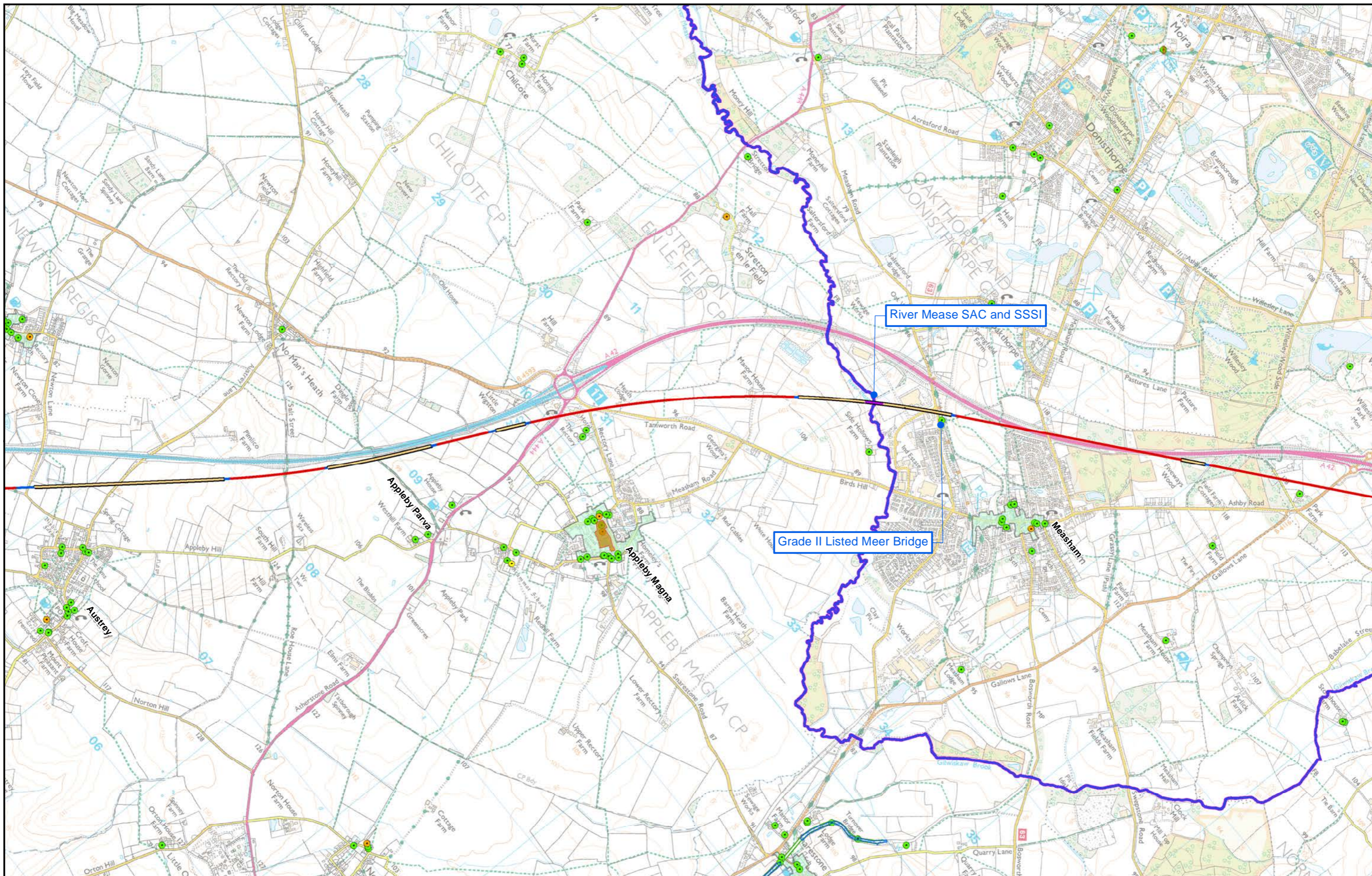
Figure Number:	EL-02-03
Figure Name:	Key Environmental Features Set 3 of 3
Route Name:	HSL01 / HSL06

© Crown copyright and database rights 2013.
Ordnance Survey Licence Number 100049190.

Scale at A3: 1:25,000

Temple ERM 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.

Map Number: LMH-TGL-EV-MAP-100-000042 Date: 05/07/13



- Route Alignment**
- At Grade
 - Cut & Cover Tunnel
 - Cutting
 - Embankment
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

- 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)
 - Conservation Area
 - National Nature Reserve (NNR)
 - Registered Battlefield
 - Registered Park and Garden

Figure Number: EL-03-01

Figure Name: **Key Environmental Features Set 1 of 3**

Route Name: HSL06

TEMPLE ERM

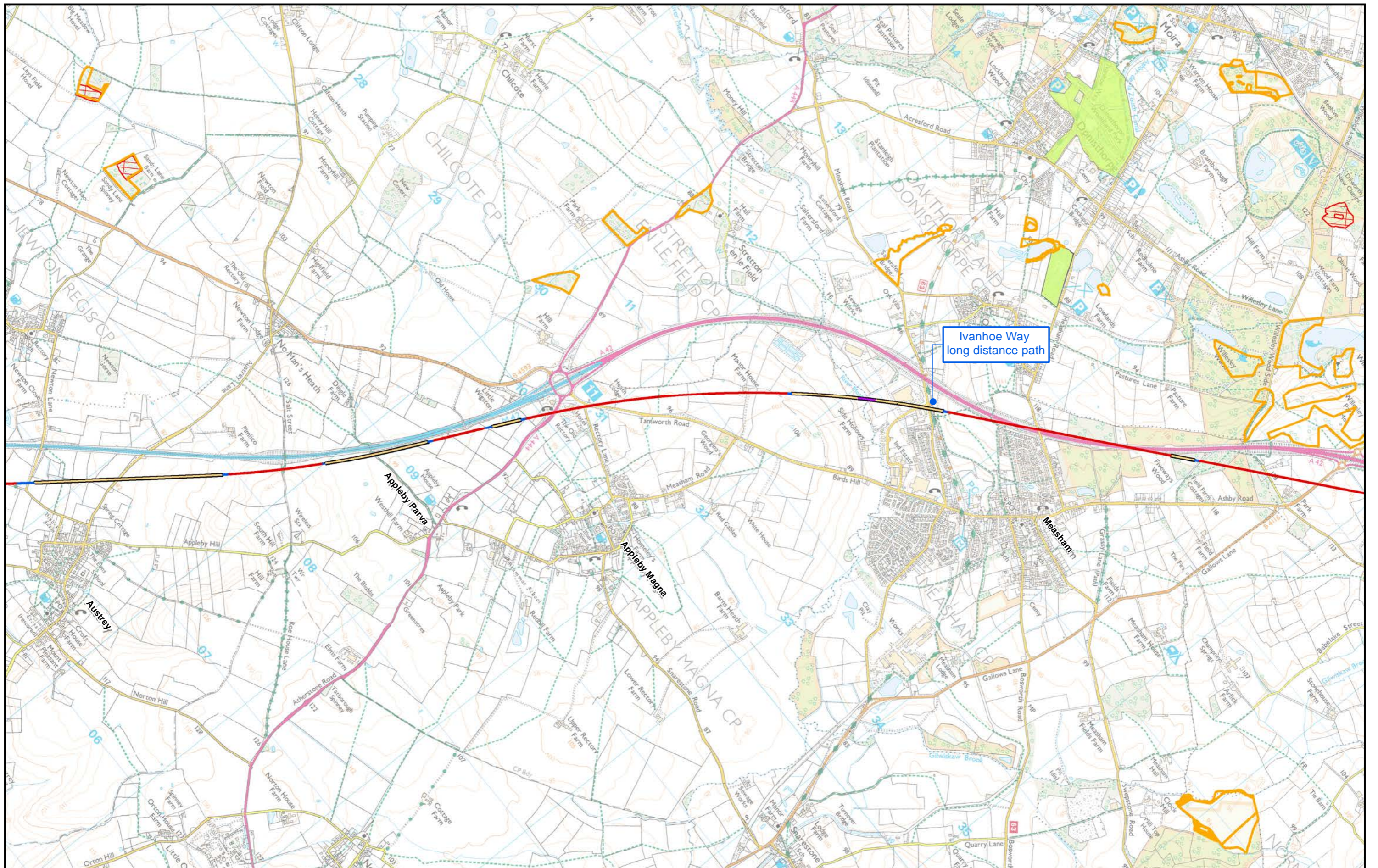
Temple ERM accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

Scale at A3: 1:25,000

0 250 500 750 1,000 Metres

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000003 **Date:** 03/07/13



Route Alignment

	At Grade
	Cut & Cover Tunnel
	Cutting
	Embankment
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features

	Ancient Woodland
	Country Parks
	Habitat of Principal Importance
	Local Nature Reserve (LNR)
	National Trail
	National Trust Ownership

Figure Number:	EL-03-02
Figure Name:	Key Environmental Features Set 2 of 3
Route Name:	HSL06

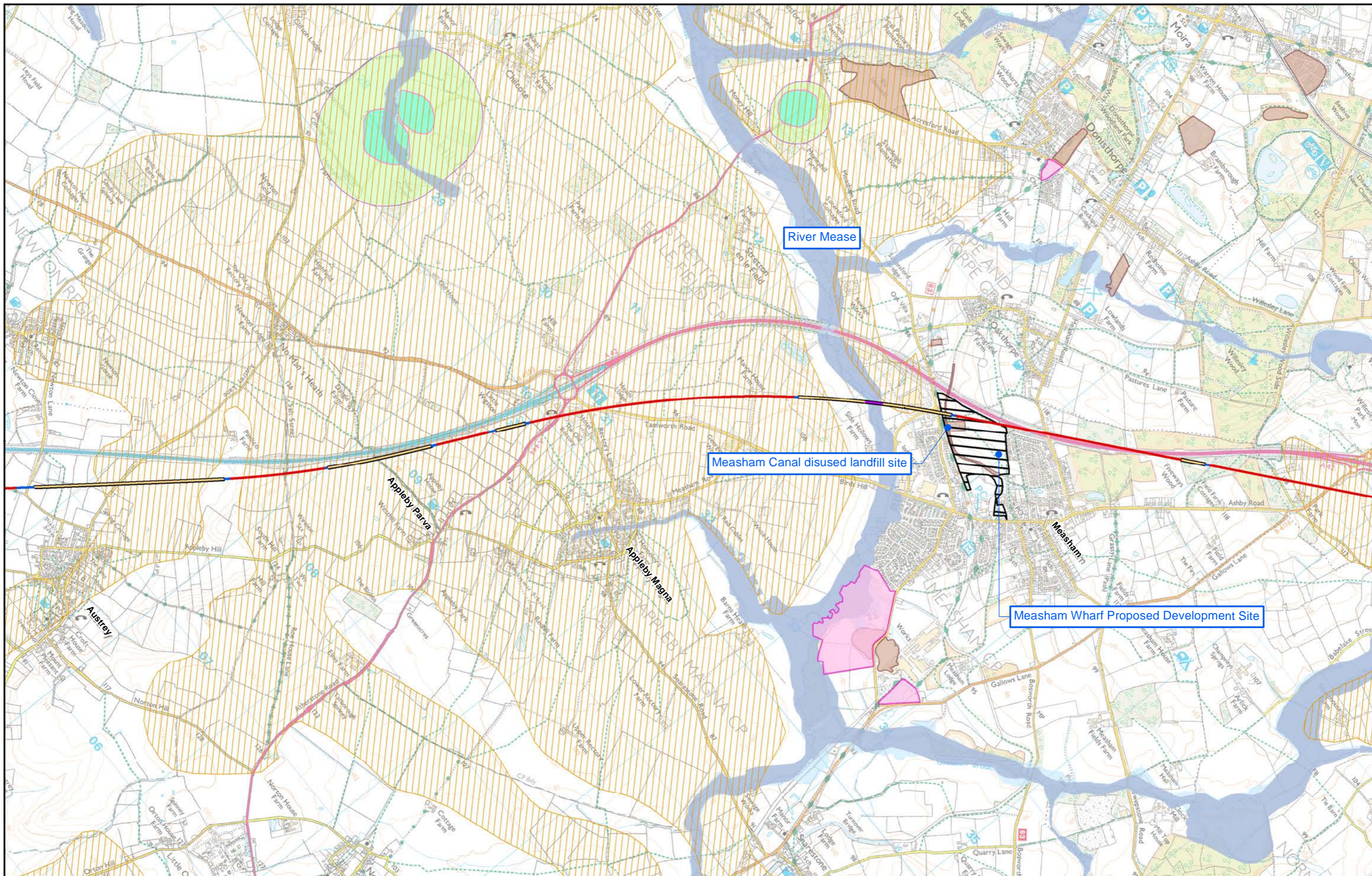
Temple ERM accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

Scale at A3: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

 Map Number: LMH-TGL-EV-MAP-100-000023

 Date: 05/07/13



Route Alignment

- At Grade
- Cut & Cover Tunnel
- Cutting
- Embankment
- Tunnel
- Viaduct
- Station or Depot Operational Boundary

Sustainability Features

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

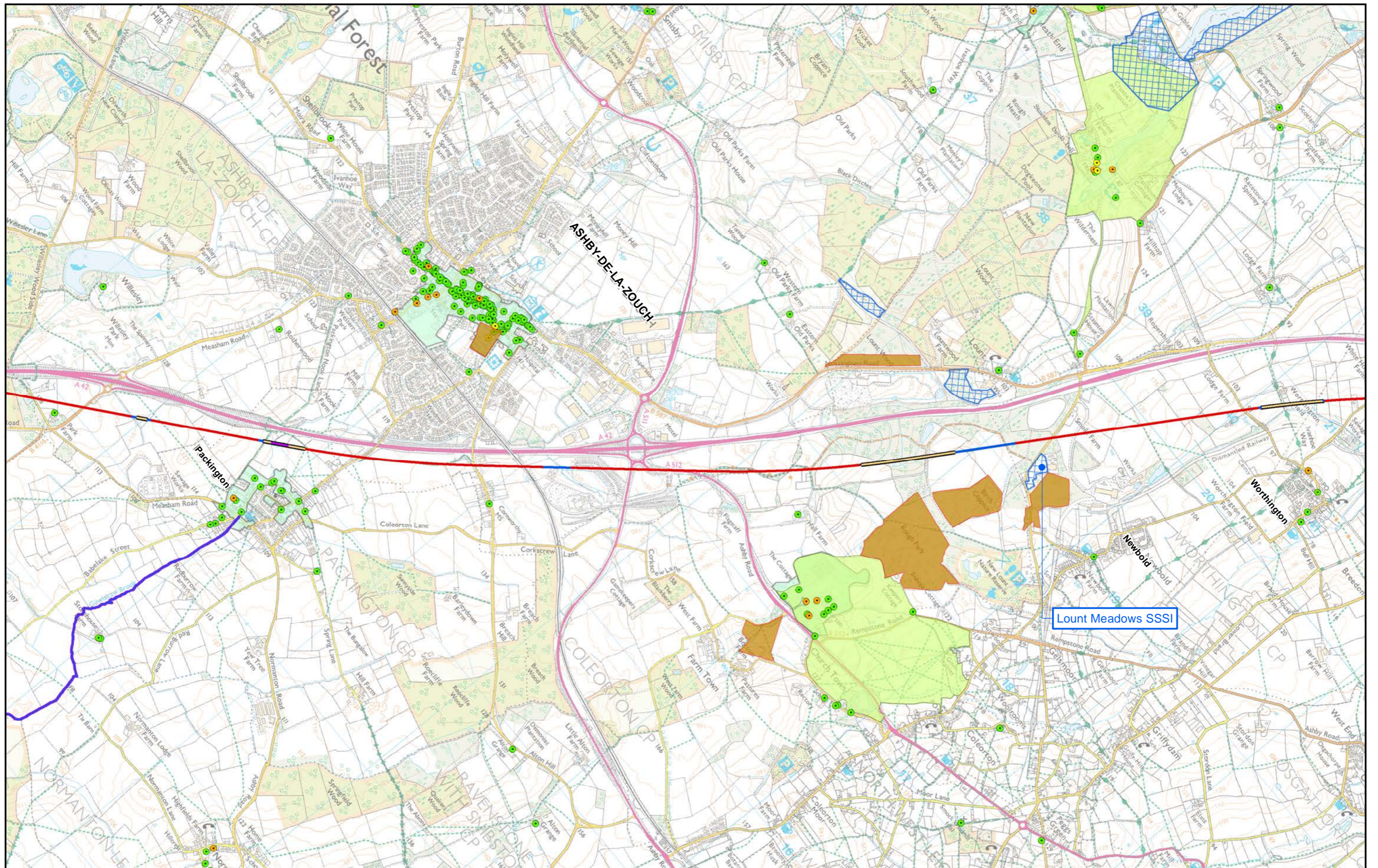
Figure Number:	EL-03-03
Figure Name:	Key Environmental Features Set 3 of 3
Route Name:	HSL06

© Crown copyright and database rights 2013.
Ordnance Survey Licence Number 100049190.

Scale at A3: 1:25,000

Temple ERM 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.

Map Number: LMH-TGL-EV-MAP-100-000043 Date: 05/07/13



Route Alignment

	At Grade
	Cut & Cover Tunnel
	Cutting
	Embankment
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features

	Listed Building Grade I		Ramsar Site		Conservation Area
	Listed Building Grade II*		Special Area of Conservation (SAC)		National Nature Reserve (NNR)
	Listed Building Grade II		Special Protection Area (SPA)		Registered Battlefield
	Scheduled Monument		Site of Special Scientific Interest (SSSI)		Registered Park and Garden

Figure Number:	EL-04-01
Figure Name:	Key Environmental Features Set 1 of 3
Route Name:	HSL06

Temple ERM 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.

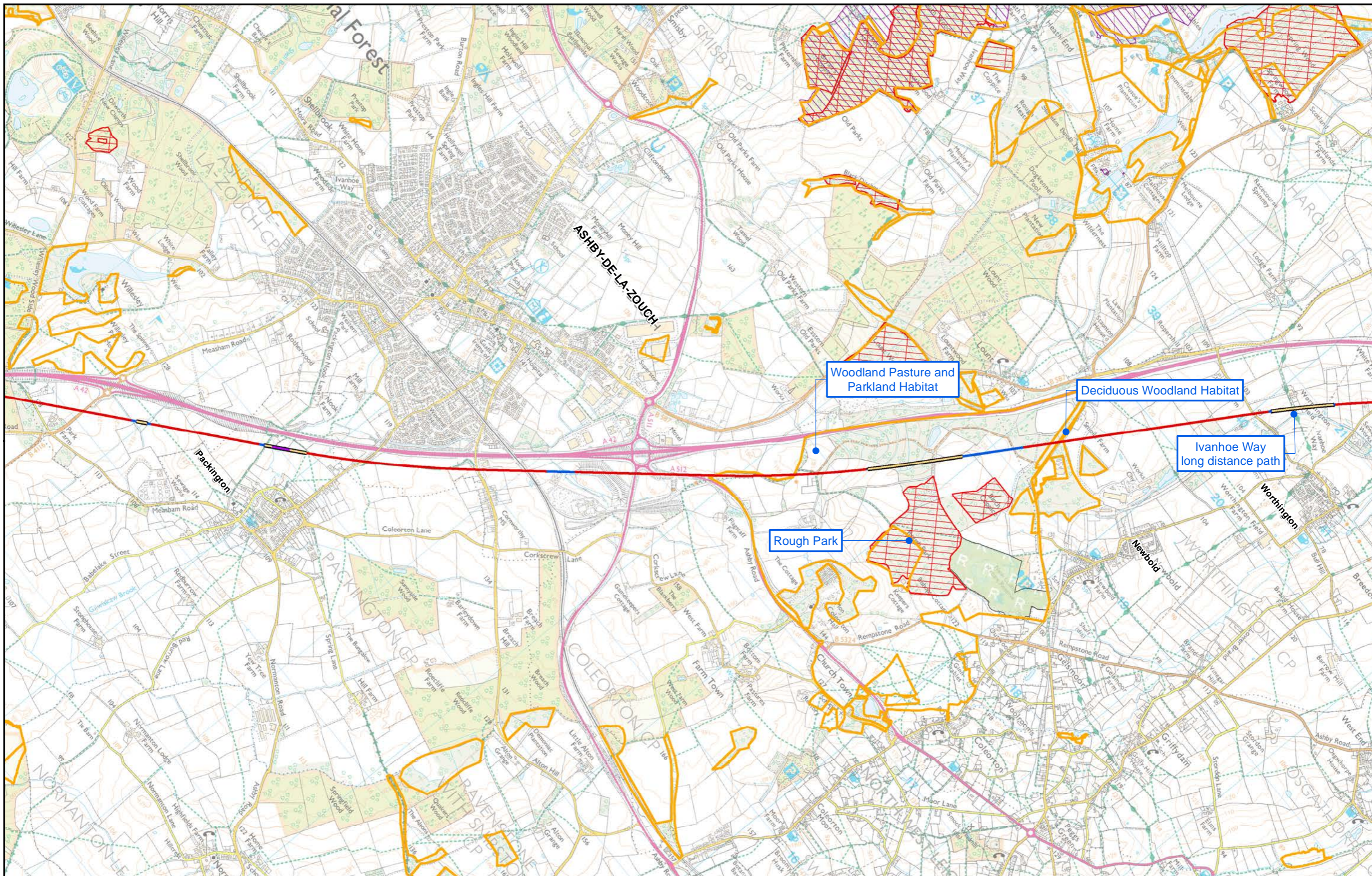
Scale at A3: 1:25,000

 Metres

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

 Map Number: LMH-TGL-EV-MAP-100-000004

 Date: 03/07/13



Route Alignment

- At Grade
- Cut & Cover Tunnel
- Cutting
- Embankment
- Tunnel
- Viaduct
- Station or Depot Operational Boundary

Sustainability Features

▨ Ancient Woodland	▭ Local Nature Reserve (LNR)
▭ Country Parks	— National Trail
▭ Habitat of Principal Importance	▭ National Trust Ownership

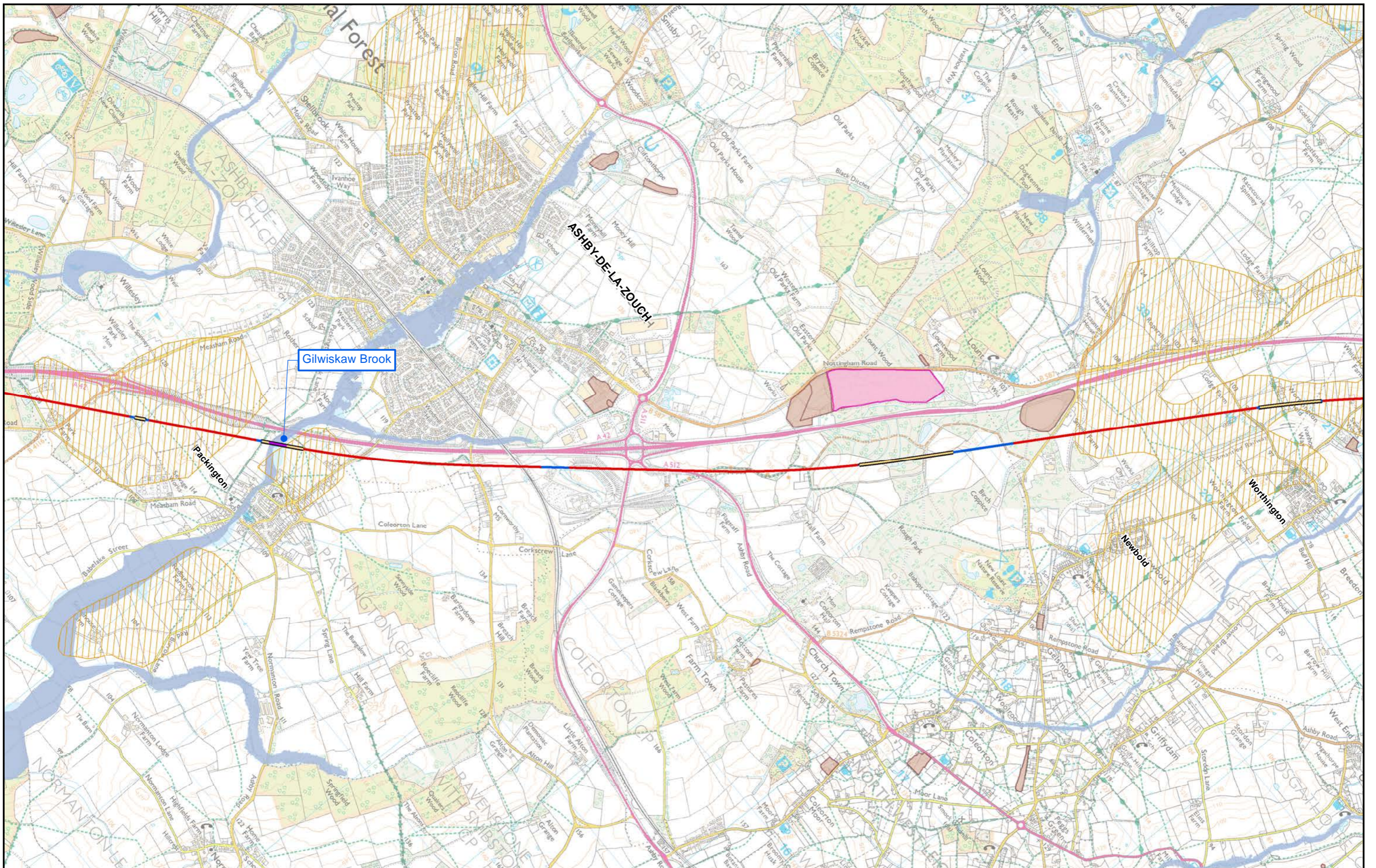
Figure Number:	EL-04-02
Figure Name:	Key Environmental Features Set 2 of 3
Route Name:	HSL06

© Crown copyright and database rights 2013.
Ordnance Survey Licence Number 100049190.

Scale at A3: 1:25,000

Temple ERM 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.

Map Number: LMH-TGL-EV-MAP-100-000024 Date: 05/07/13



Route Alignment

	At Grade
	Cut & Cover Tunnel
	Cutting
	Embankment
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features

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

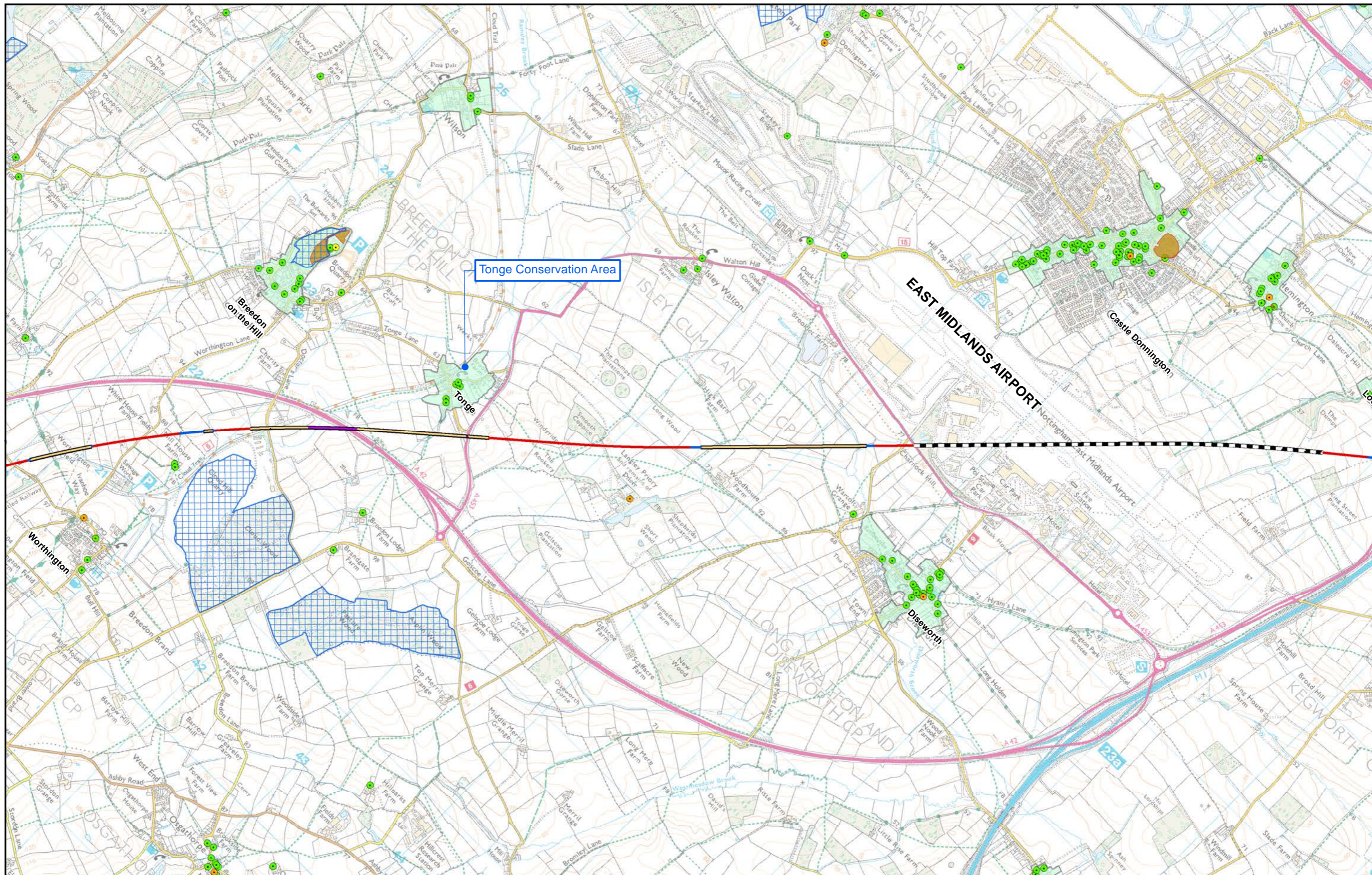
Figure Number:	EL-04-03
Figure Name:	Key Environmental Features Set 3 of 3
Route Name:	HSL06

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000044 Date: 05/07/13



Route Alignment

- At Grade
- Cut & Cover Tunnel
- Cutting
- Embankment
- Tunnel
- Viaduct
- Station or Depot Operational Boundary

Sustainability Features

● Listed Building Grade I	■ Ramsar Site	■ Conservation Area
● Listed Building Grade II*	■ Special Area of Conservation (SAC)	■ National Nature Reserve (NNR)
● Listed Building Grade II	■ Special Protection Area (SPA)	■ Registered Battlefield
■ Scheduled Monument	■ Site of Special Scientific Interest (SSSI)	■ Registered Park and Garden

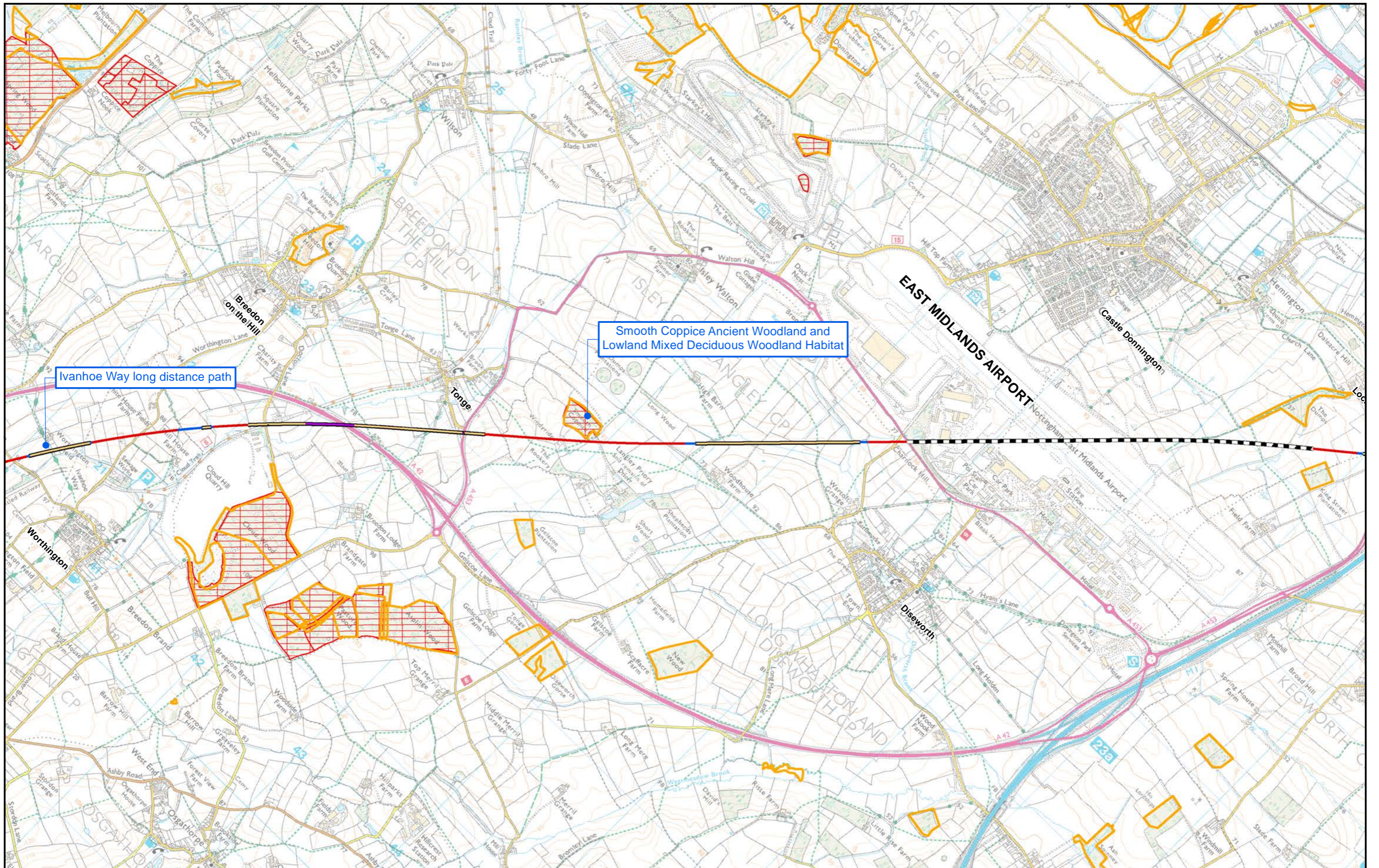
Figure Number:	EL-05-01
Figure Name:	Key Environmental Features Set 1 of 3
Route Name:	HSL06 / HSL09

© Crown copyright and database rights 2013.
Ordnance Survey Licence Number 100049190.

Scale at A3: 1:25,000

Temple ERM 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.

Date: 03/07/13



Route Alignment

	At Grade
	Cut & Cover Tunnel
	Cutting
	Embankment
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features

	Ancient Woodland
	Country Parks
	Habitat of Principal Importance
	Local Nature Reserve (LNR)
	National Trail
	National Trust Ownership

Figure Number:	EL-05-02
Figure Name:	Key Environmental Features Set 2 of 3
Route Name:	HSL06 / HSL09

Temple ERM 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.

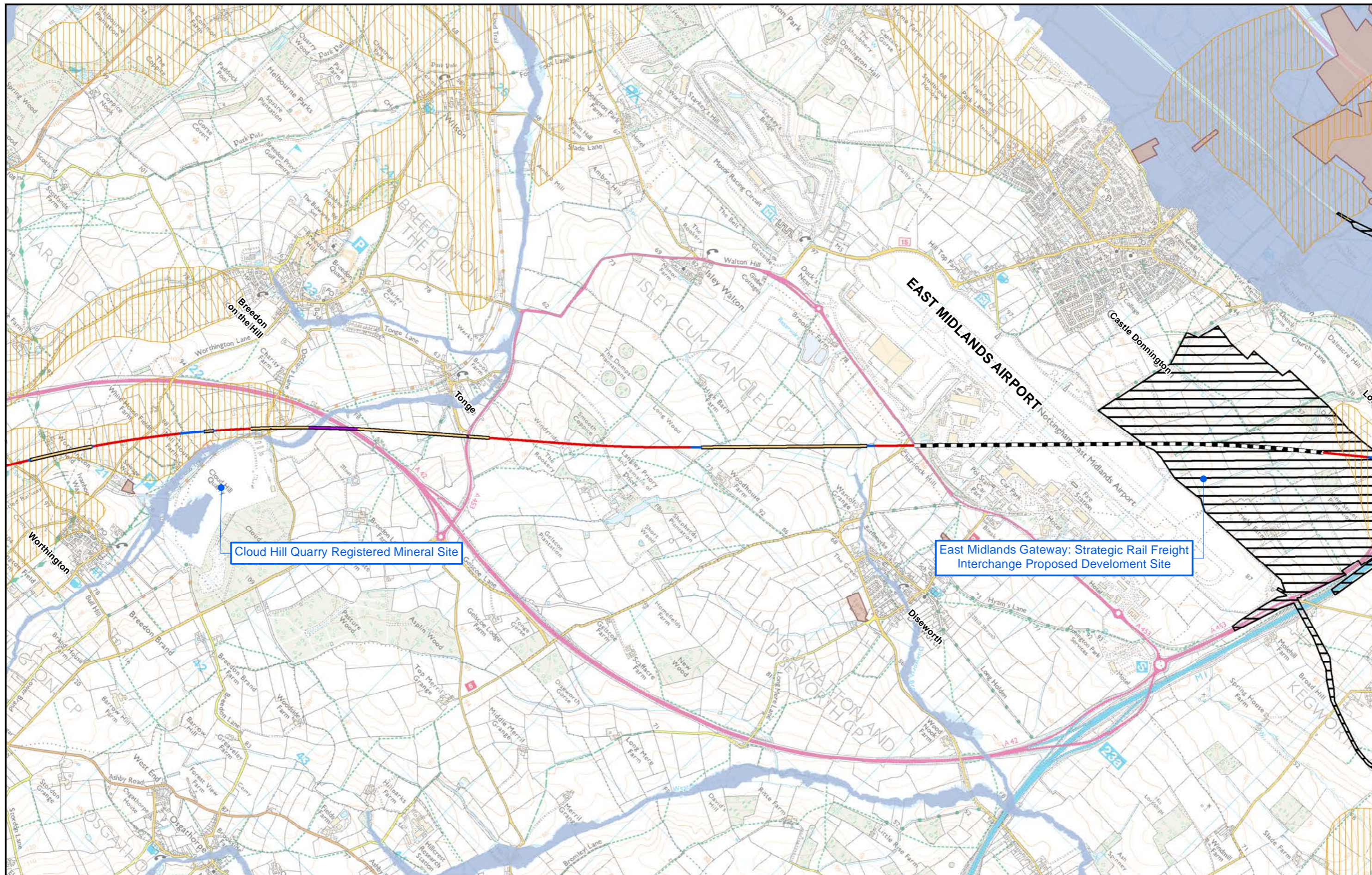
Scale at A3: 1:25,000

 0 250 500 750 1,000 Metres

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

 Map Number: LMH-TGL-EV-MAP-100-000025

 Date: 05/07/13



Route Alignment

- At Grade
- Cut & Cover Tunnel
- Cutting
- Embankment
- Tunnel
- Viaduct
- Station or Depot Operational Boundary

Sustainability Features

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

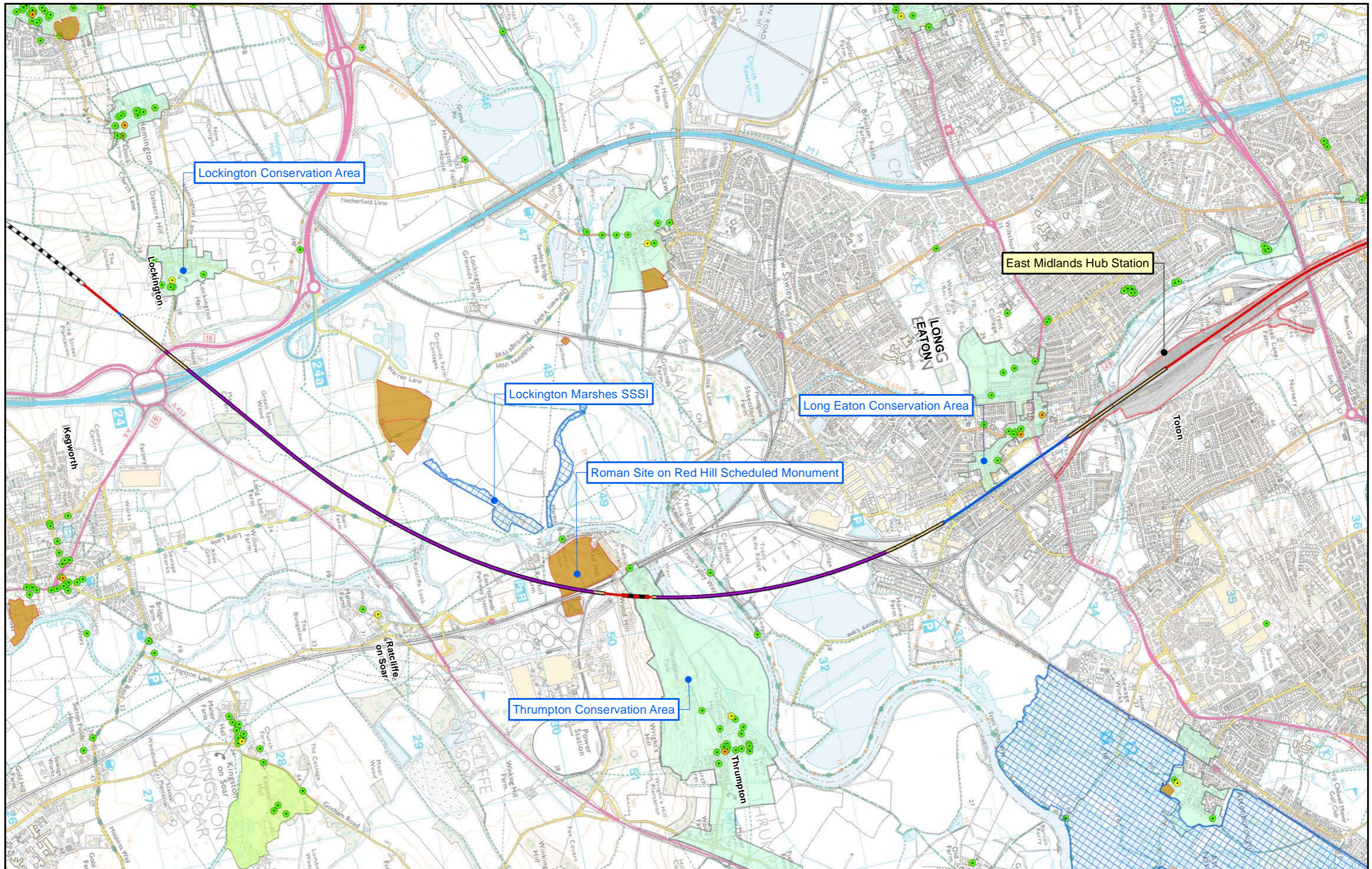
Figure Number:	EL-05-03
Figure Name:	Key Environmental Features Set 3 of 3
Route Name:	HSL06 / HSL09

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000045
Date: 05/07/13



Route Alignment

	At Grade
	Cut & Cover Tunnel
	Cutting
	Embankment
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features

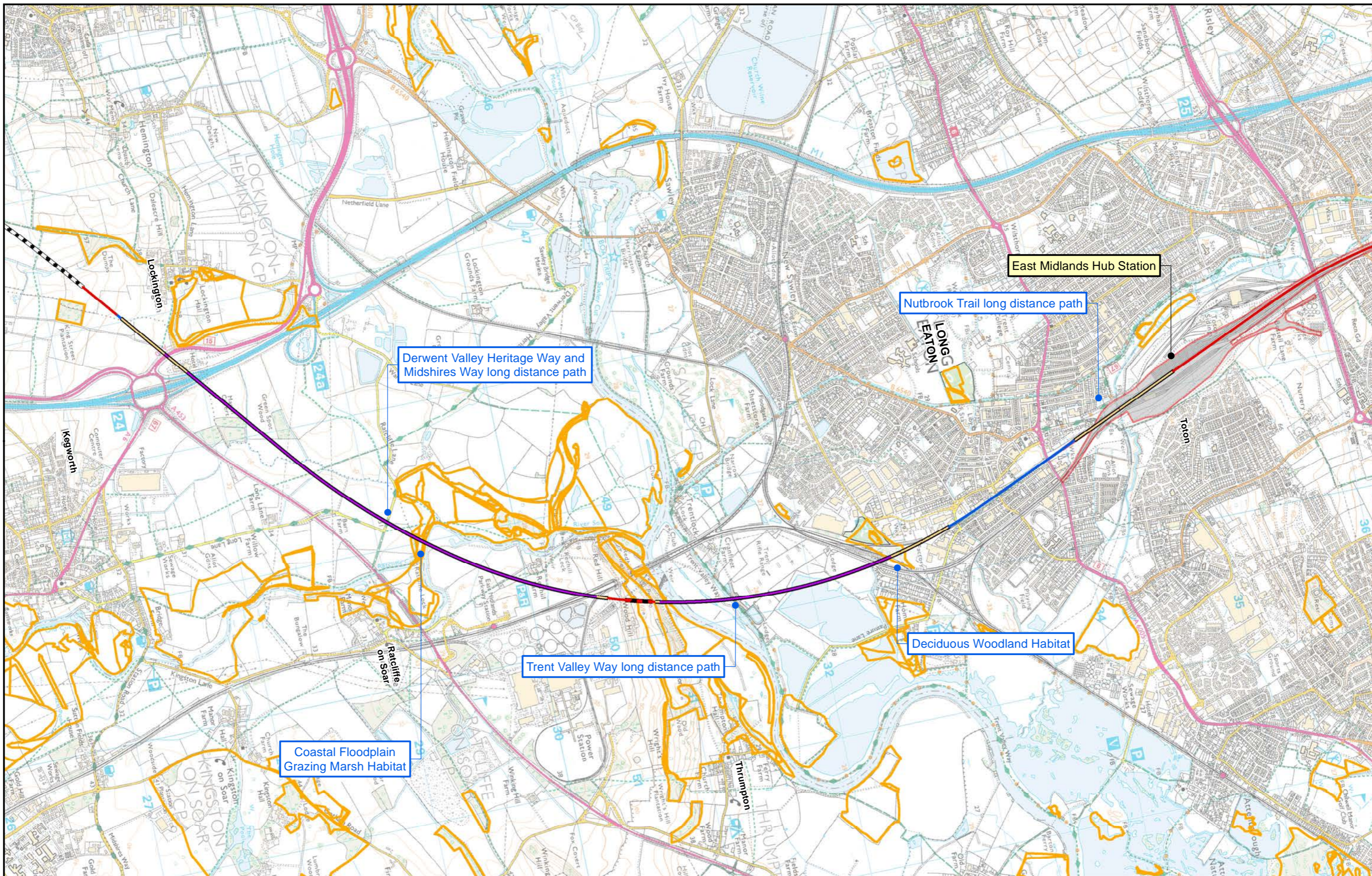
	Listed Building Grade I		Ramsar Site		Conservation Area
	Listed Building Grade II*		Special Area of Conservation (SAC)		National Nature Reserve (NNR)
	Listed Building Grade II		Special Protection Area (SPA)		Registered Battlefield
	Scheduled Monument		Site of Special Scientific Interest (SSSI)		Registered Park and Garden

Figure Number:	EL-06-01
Figure Name:	Key Environmental Features Set 1 of 3
Route Name:	HSL09 / HSL12

Temple ERM 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: 1:25,000

 © Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.
 Map Number: LMH-TGL-EV-MAP-100-000006 Date: 03/07/13



- Route Alignment**
- At Grade
 - Cut & Cover Tunnel
 - Cutting
 - Embankment
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

- Sustainability Features**
- Ancient Woodland
 - Country Parks
 - Habitat of Principal Importance
 - Local Nature Reserve (LNR)
 - National Trail
 - National Trust Ownership

Figure Number: EL-06-02

Figure Name: **Key Environmental Features Set 2 of 3**

Route Name: HSL09 / HSL12

TEMPLE ERM

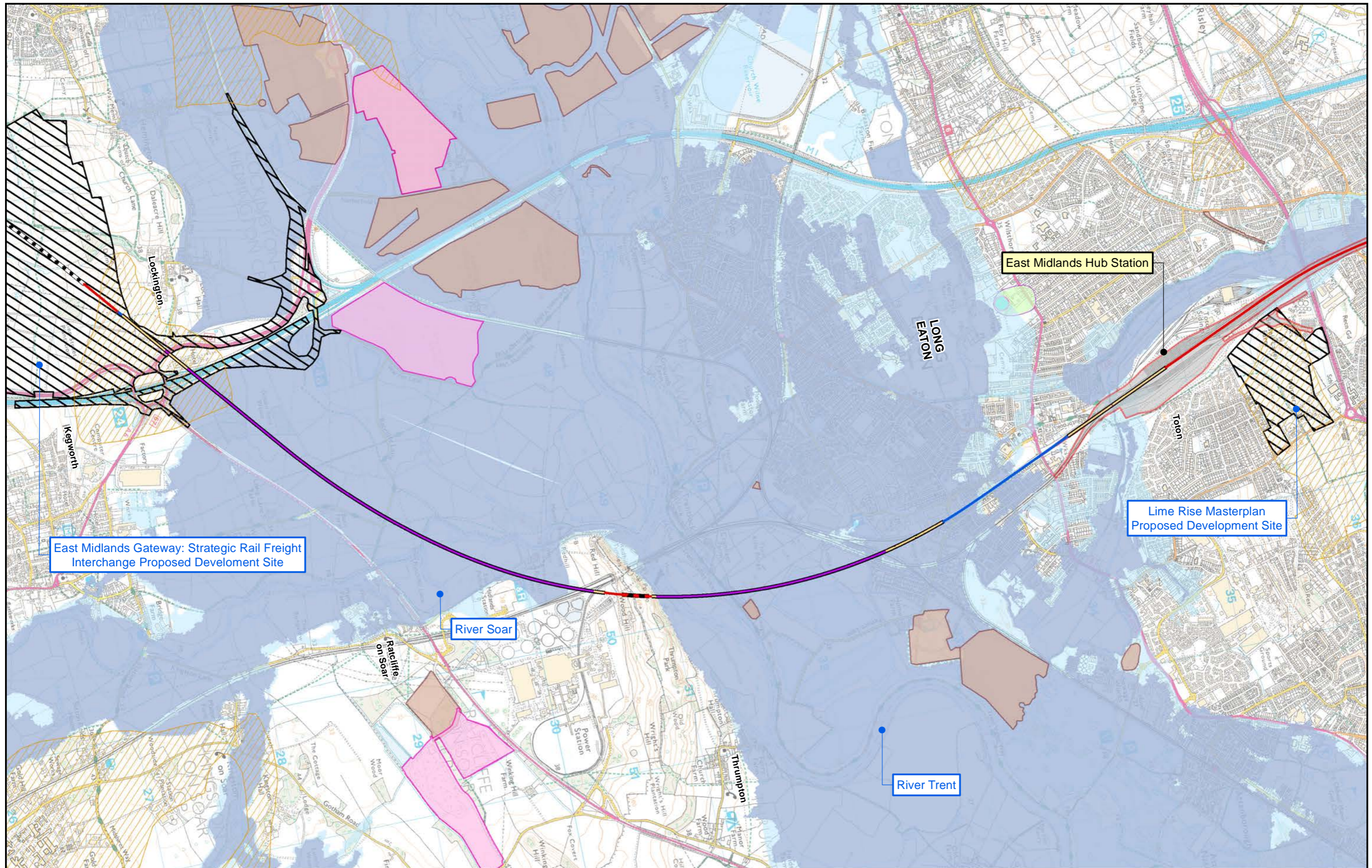
Scale at A3: 1:25,000

0 250 500 750 1,000 Metres

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000026 Date: 05/07/13

Temple ERM 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.



Route Alignment

	At Grade
	Cut & Cover Tunnel
	Cutting
	Embankment
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features

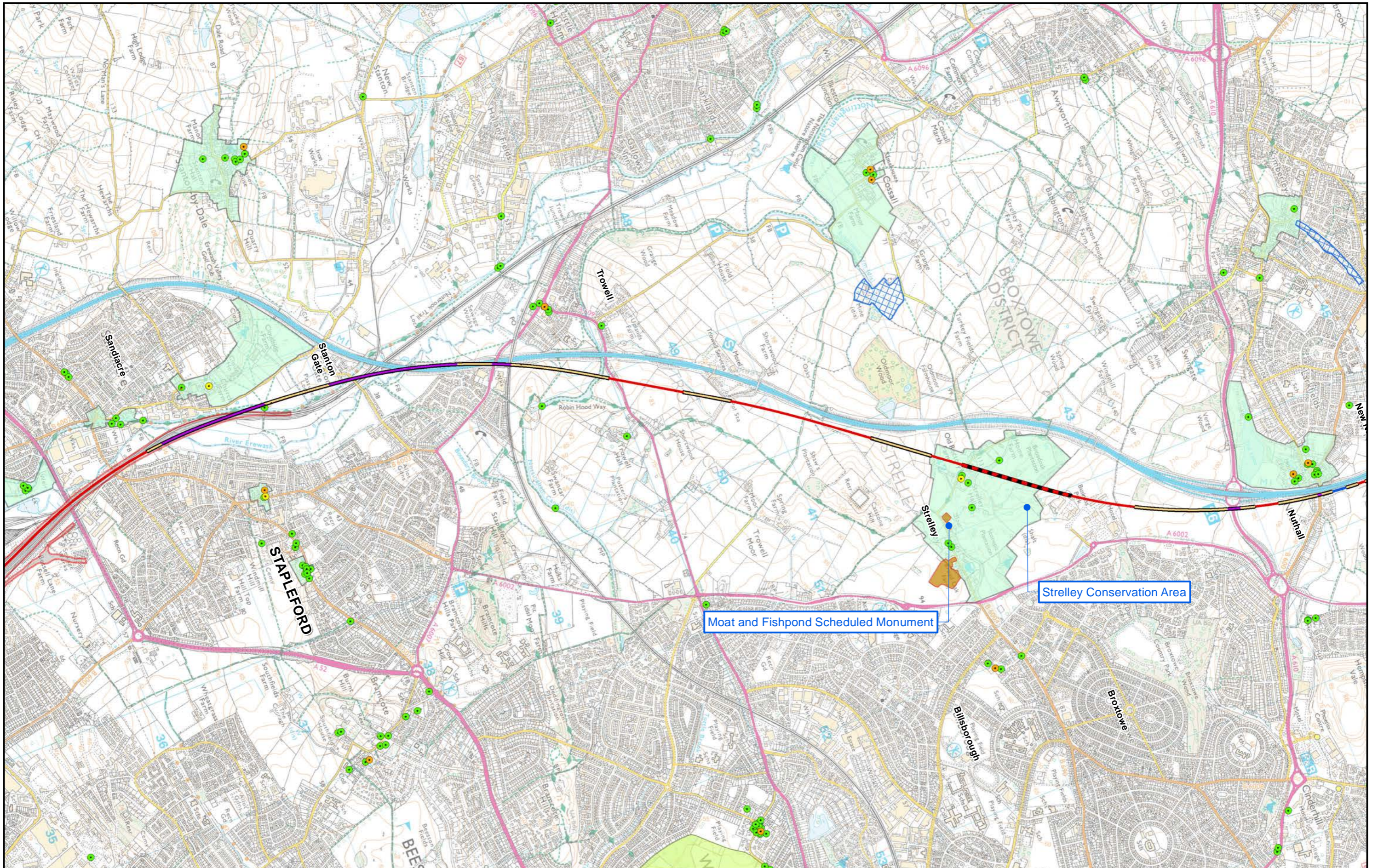
	Agricultural Land Grade 1		Flood Zone 3
	Agricultural Land Grade 2		Flood Zone 2
	Landfill Site (Active)		Groundwater Source Protection Zone 1
	Landfill Site (Disused)		Groundwater Source Protection Zone 2
	Major Development Site		

Figure Number:	EL-06-03
Figure Name:	Key Environmental Features Set 3 of 3
Route Name:	HSL09 / HSL12

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013.
 Ordnance Survey Licence Number 100049190.
 Map Number: LMH-TGL-EV-MAP-100-000046 Date: 05/07/13



Route Alignment

- At Grade
- Cut & Cover Tunnel
- Cutting
- Embankment
- Tunnel
- Viaduct
- Station or Depot Operational Boundary

Sustainability Features

● Listed Building Grade I	 Ramsar Site	 Conservation Area
● Listed Building Grade II*	 Special Area of Conservation (SAC)	 National Nature Reserve (NNR)
● Listed Building Grade II	 Special Protection Area (SPA)	 Registered Battlefield
 Scheduled Monument	 Site of Special Scientific Interest (SSSI)	 Registered Park and Garden

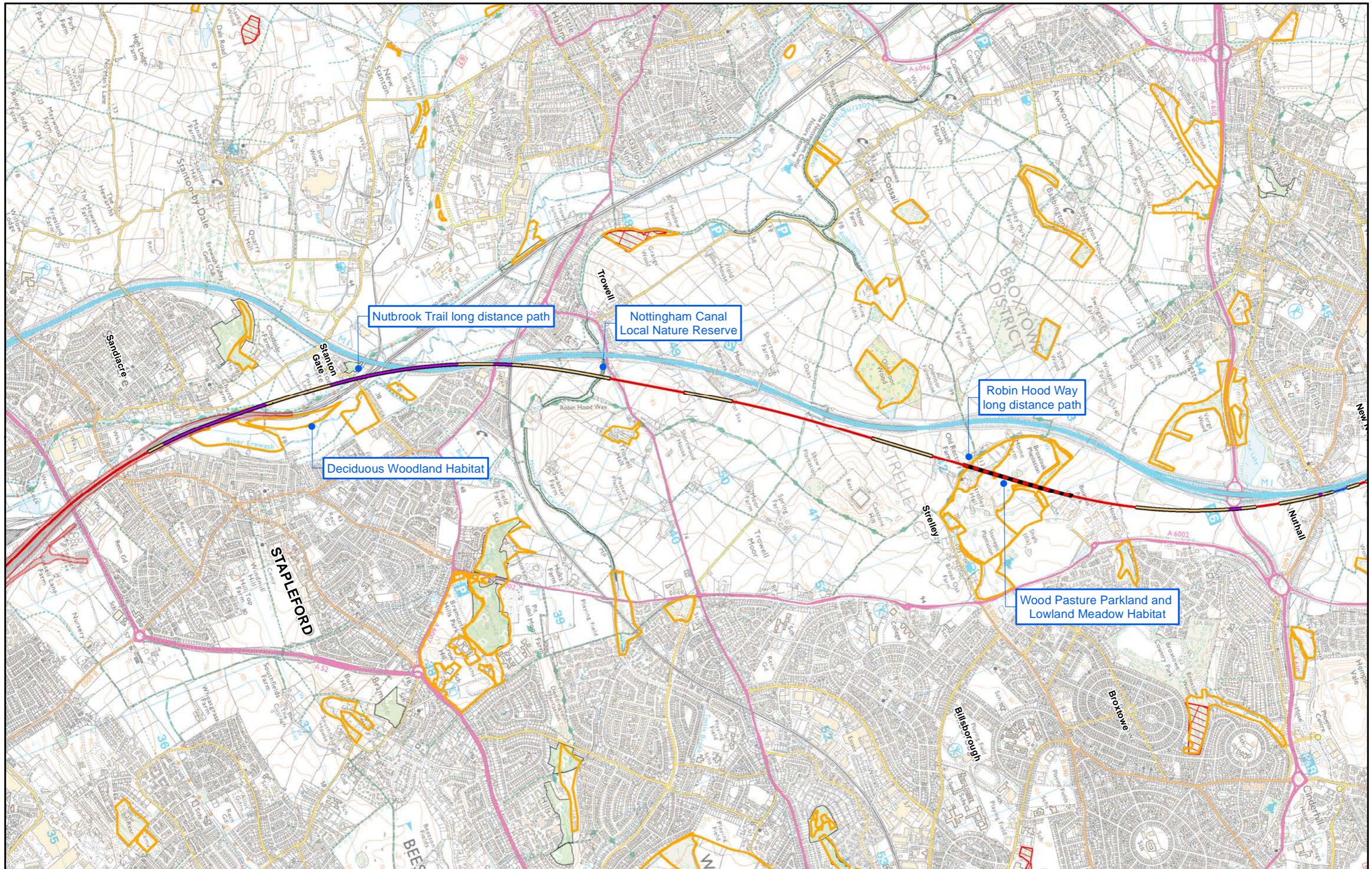
Figure Number:	EL-07-01
Figure Name:	Key Environmental Features Set 1 of 3
Route Name:	HSL12 / HSL13

© Crown copyright and database rights 2013.
Ordnance Survey Licence Number 100049190.

Scale at A3: 1:25,000

Temple ERM 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.

Map Number: LMH-TGL-EV-MAP-100-000007 Date: 03/07/13




Route Alignment

- At Grade
- Cut & Cover Tunnel
- Cutting
- Embankment
- Tunnel
- Viaduct
- Station or Depot Operational Boundary

Sustainability Features

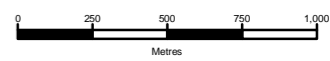
 Ancient Woodland	 Local Nature Reserve (LNR)
 Country Parks	 National Trail
 Habitat of Principal Importance	 National Trust Ownership

Figure Number:	EL-07-02
Figure Name:	Key Environmental Features Set 2 of 3
Route Name:	HSL12 / HSL13



© Crown copyright and database rights 2013.
Ordnance Survey Licence Number 100049190.

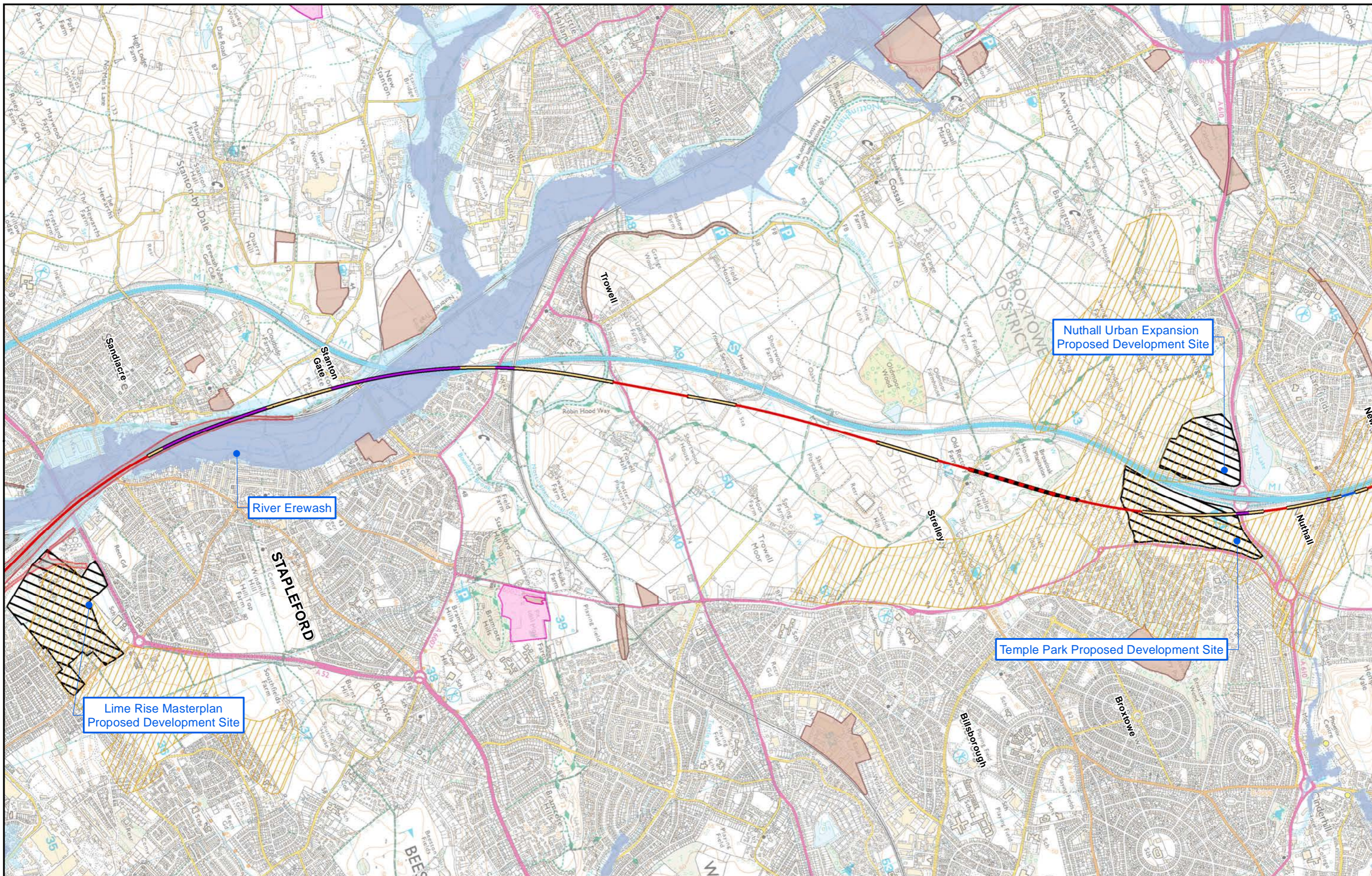
Scale at A3: 1:25,000



Map Number: LMH-TGL-EV-MAP-100-000027

Date: 05/07/13

Temple ERM 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.



Route Alignment

- At Grade
- Cut & Cover Tunnel
- Cutting
- Embankment
- Tunnel
- Viaduct
- Station or Depot Operational Boundary

Sustainability Features

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

Figure Number:	EL-07-03
Figure Name:	Key Environmental Features Set 3 of 3
Route Name:	HSL12 / HSL13

TEMPLE ERM

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

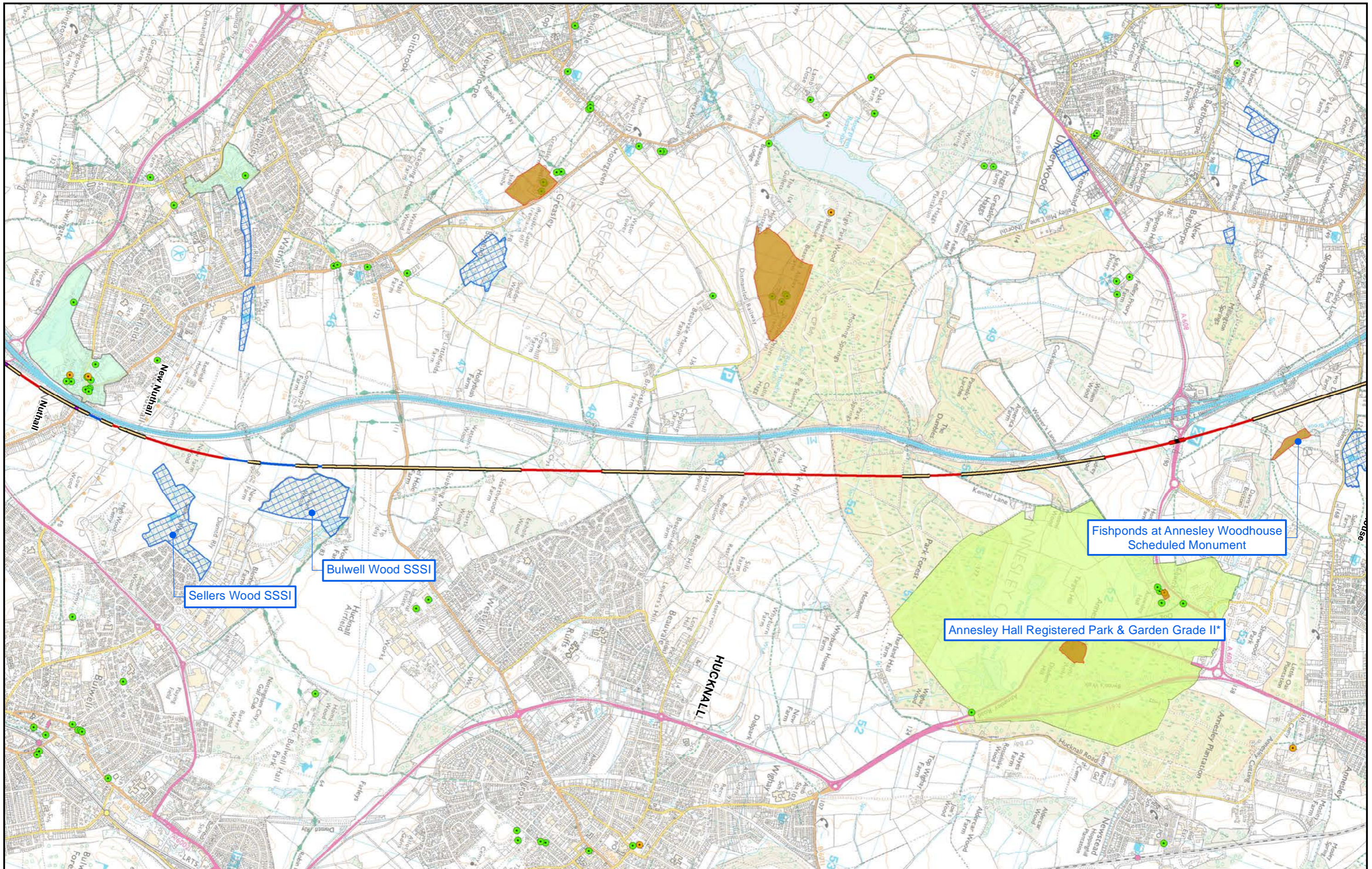
Map Number: LMH-TGL-EV-MAP-100-000047

Scale at A3: 1:25,000

Metres

Date: 05/07/13

Temple ERM 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.



Route Alignment

	At Grade
	Cut & Cover Tunnel
	Cutting
	Embankment
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features

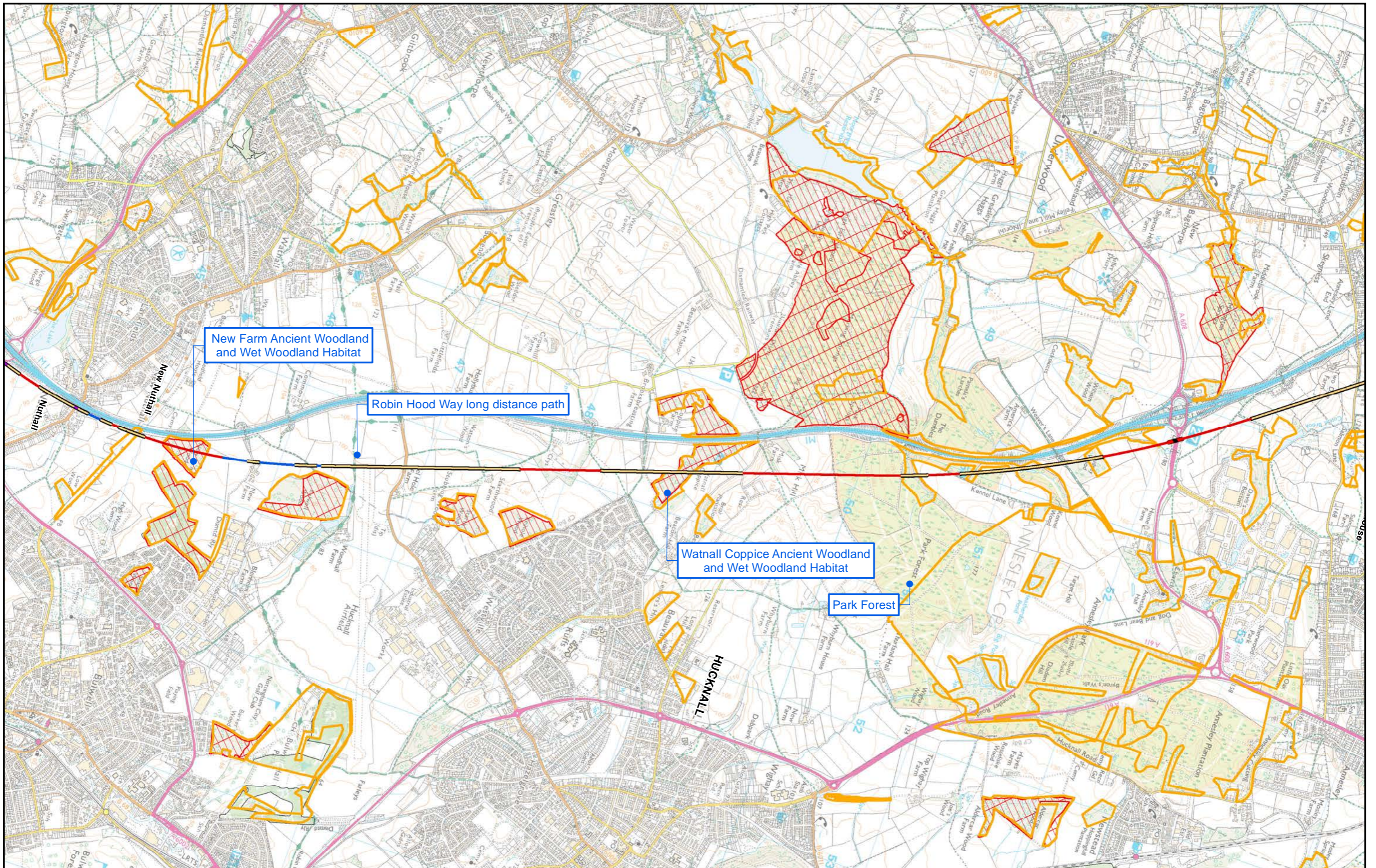
	Listed Building Grade I		Ramsar Site		Conservation Area
	Listed Building Grade II*		Special Area of Conservation (SAC)		National Nature Reserve (NNR)
	Listed Building Grade II		Special Protection Area (SPA)		Registered Battlefield
	Scheduled Monument		Site of Special Scientific Interest (SSSI)		Registered Park and Garden

Figure Number:	EL-08-01
Figure Name:	Key Environmental Features Set 1 of 3
Route Name:	HSL13

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013.
 Ordnance Survey Licence Number 100049190.
 Map Number: LMH-TGL-EV-MAP-100-000008 Date: 03/07/13



Route Alignment

- At Grade
- Cut & Cover Tunnel
- Cutting
- Embankment
- Tunnel
- Viaduct
- Station or Depot Operational Boundary

Sustainability Features

 Ancient Woodland	 Local Nature Reserve (LNR)
 Country Parks	 National Trail
 Habitat of Principal Importance	 National Trust Ownership

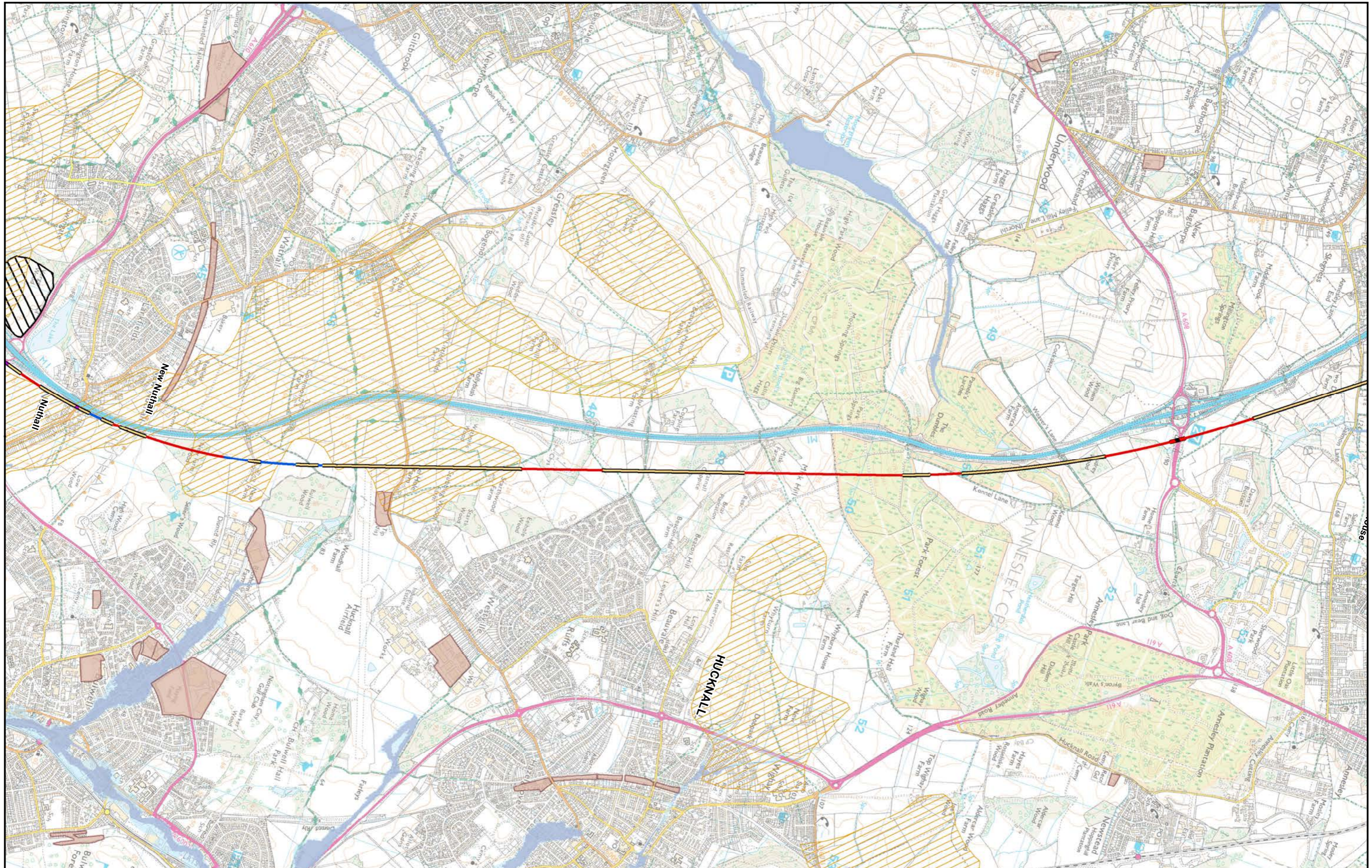
Figure Number:	EL-08-02
Figure Name:	Key Environmental Features Set 2 of 3
Route Name:	HSL13

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000028 Date: 05/07/13



Route Alignment	
	At Grade
	Cut & Cover Tunnel
	Cutting
	Embankment
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

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

Figure Number:	EL-08-03
Figure Name:	Key Environmental Features Set 3 of 3
Route Name:	HSL13

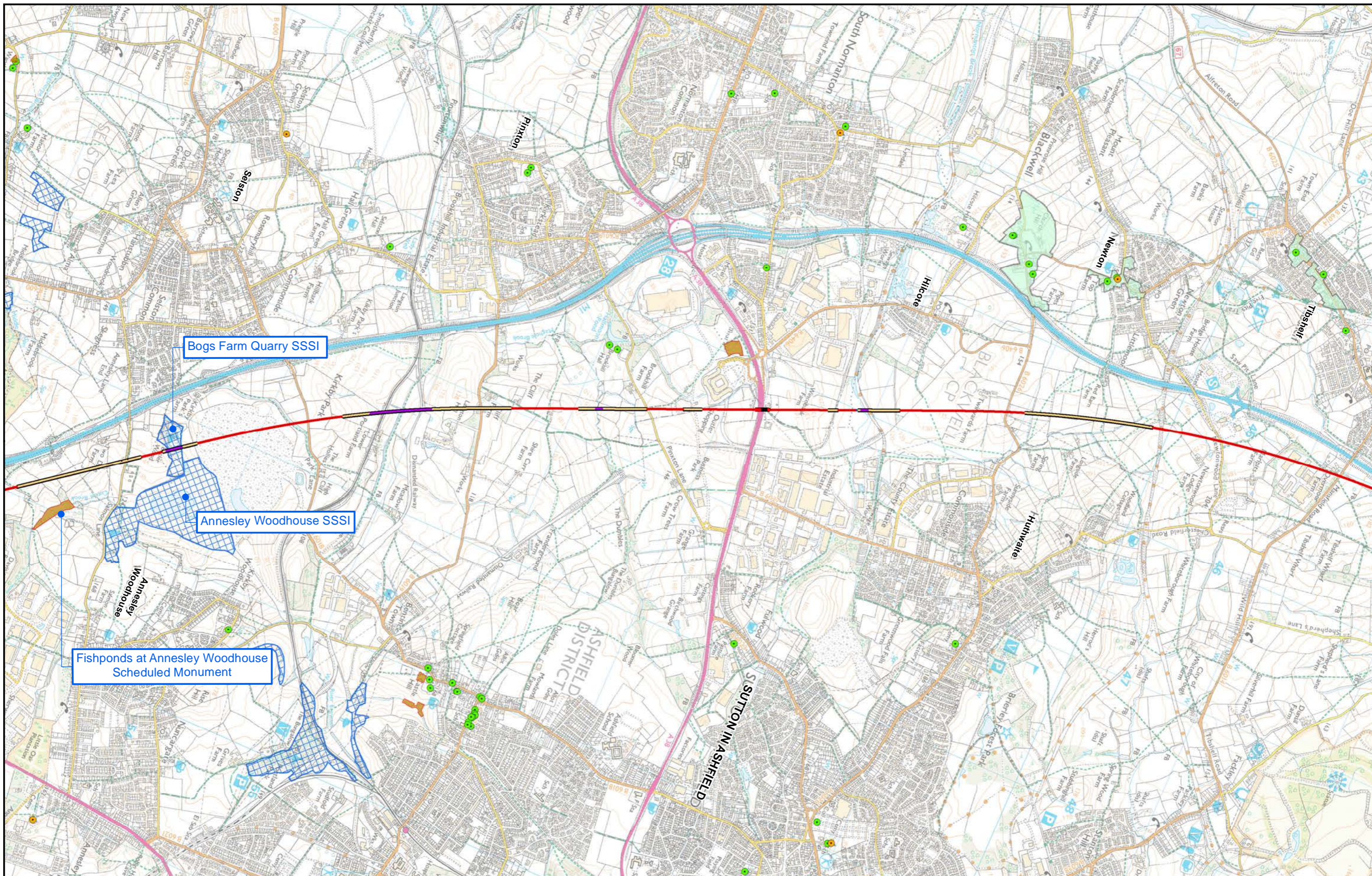
TEMPLE ERM

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000048
Date: 05/07/13



- Route Alignment**
- At Grade
 - Cut & Cover Tunnel
 - Cutting
 - Embankment
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

- 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)
 - Conservation Area
 - National Nature Reserve (NNR)
 - Registered Battlefield
 - Registered Park and Garden

Figure Number: EL-09-01

Figure Name: **Key Environmental Features Set 1 of 3**

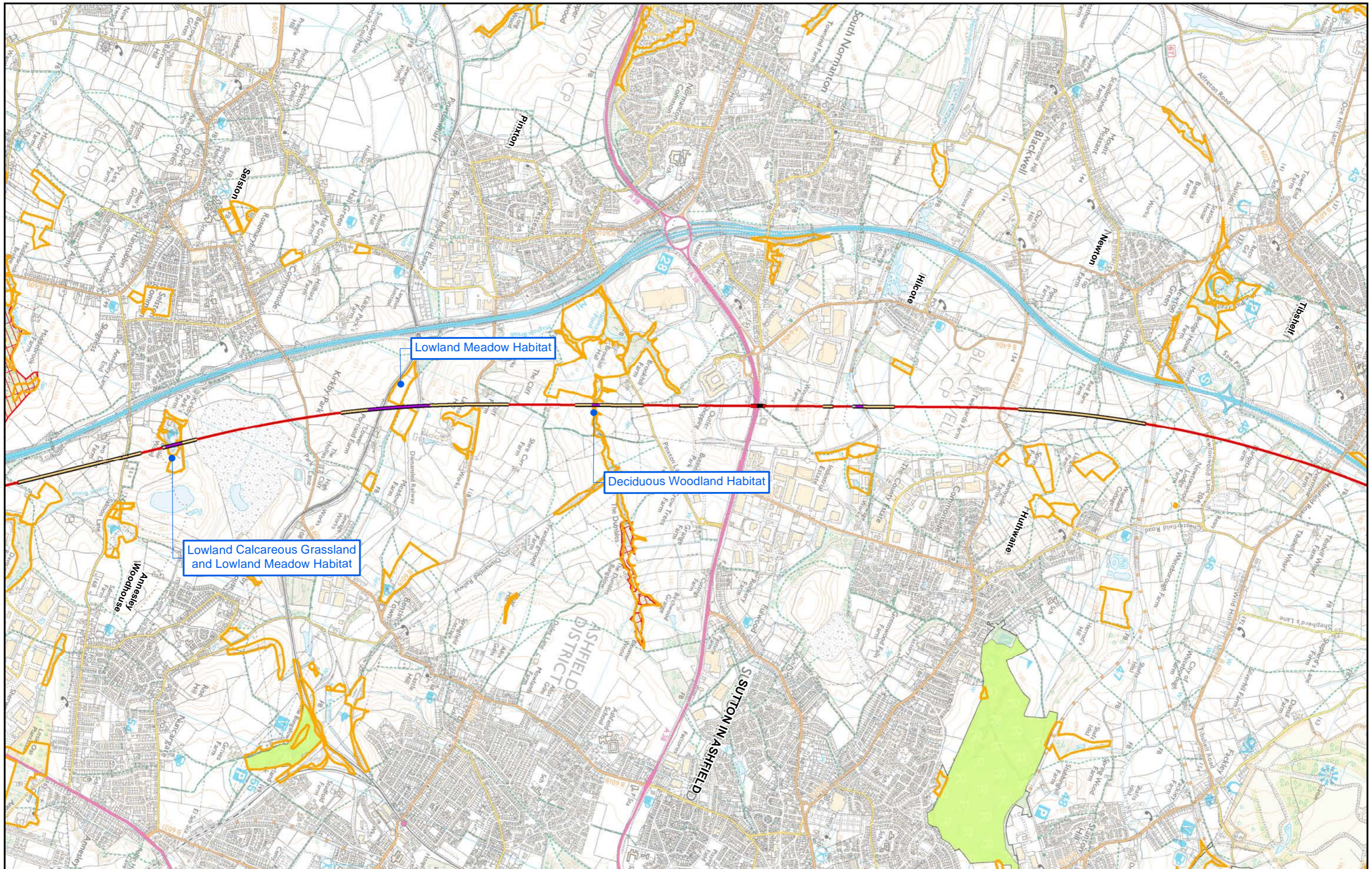
Route Name: HSL13

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000009 Date: 03/07/13




- Route Alignment**
- At Grade
 - Cut & Cover Tunnel
 - Cutting
 - Embankment
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

- Sustainability Features**
- Ancient Woodland
 - Country Parks
 - Habitat of Principal Importance
 - Local Nature Reserve (LNR)
 - National Trail
 - National Trust Ownership

Figure Number: EL-09-02


Figure Name: **Key Environmental Features Set 2 of 3**

Route Name: HSL13

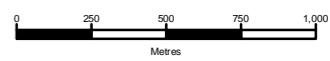


TEMPLE ERM

Temple ERM 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.

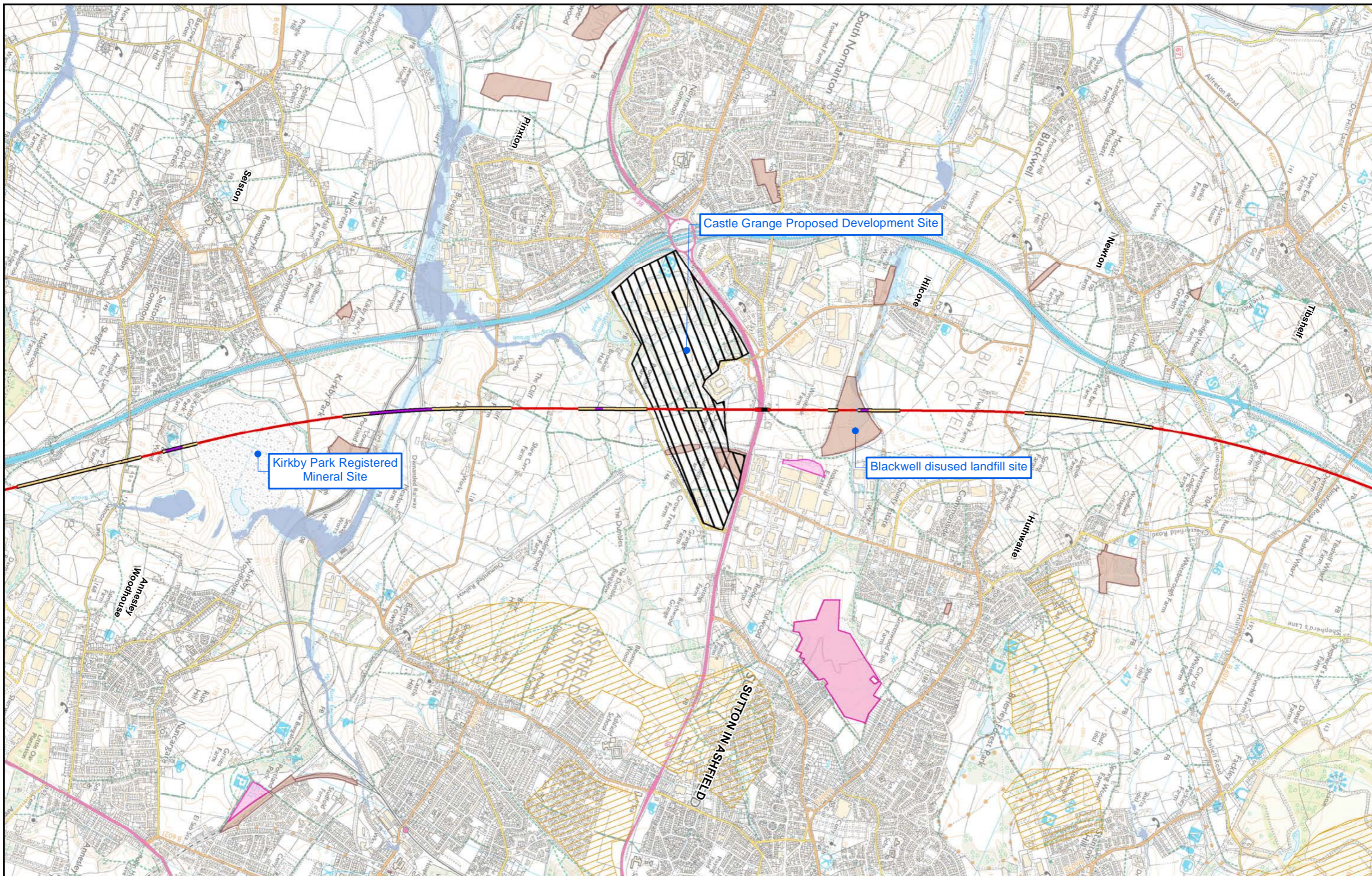


Scale at A3: 1:25,000



0 250 500 750 1,000 Metres

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190. Map Number: LMH-TGL-EV-MAP-100-000029 Date: 05/07/13



Route Alignment

- At Grade
- Cut & Cover Tunnel
- Cutting
- Embankment
- Tunnel
- Viaduct
- Station or Depot Operational Boundary

Sustainability Features

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

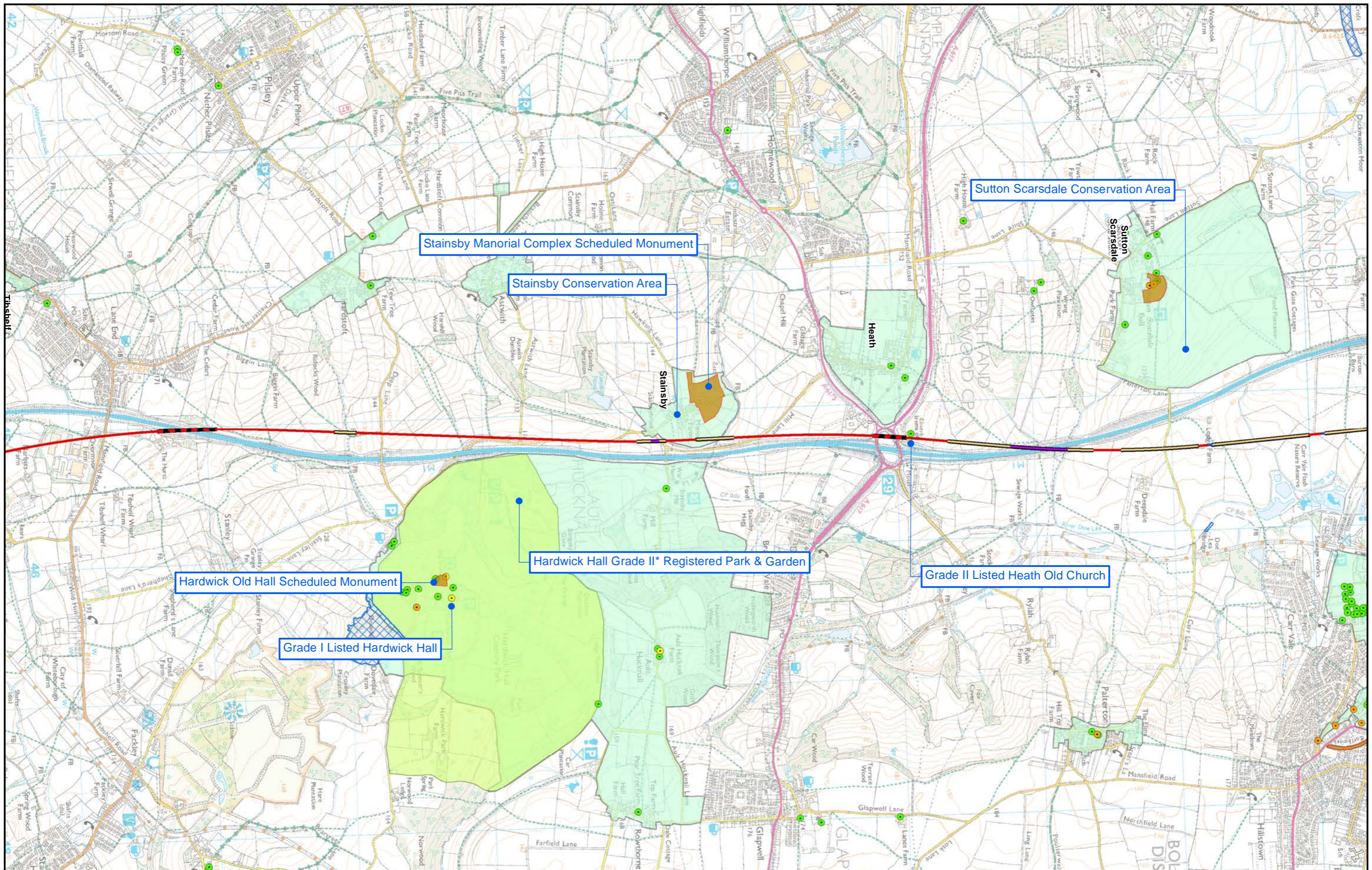
Figure Number:	EL-09-03
Figure Name:	Key Environmental Features Set 3 of 3
Route Name:	HSL13

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000049 Date: 05/07/13



Route Alignment

	At Grade
	Cut & Cover Tunnel
	Cutting
	Embankment
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features

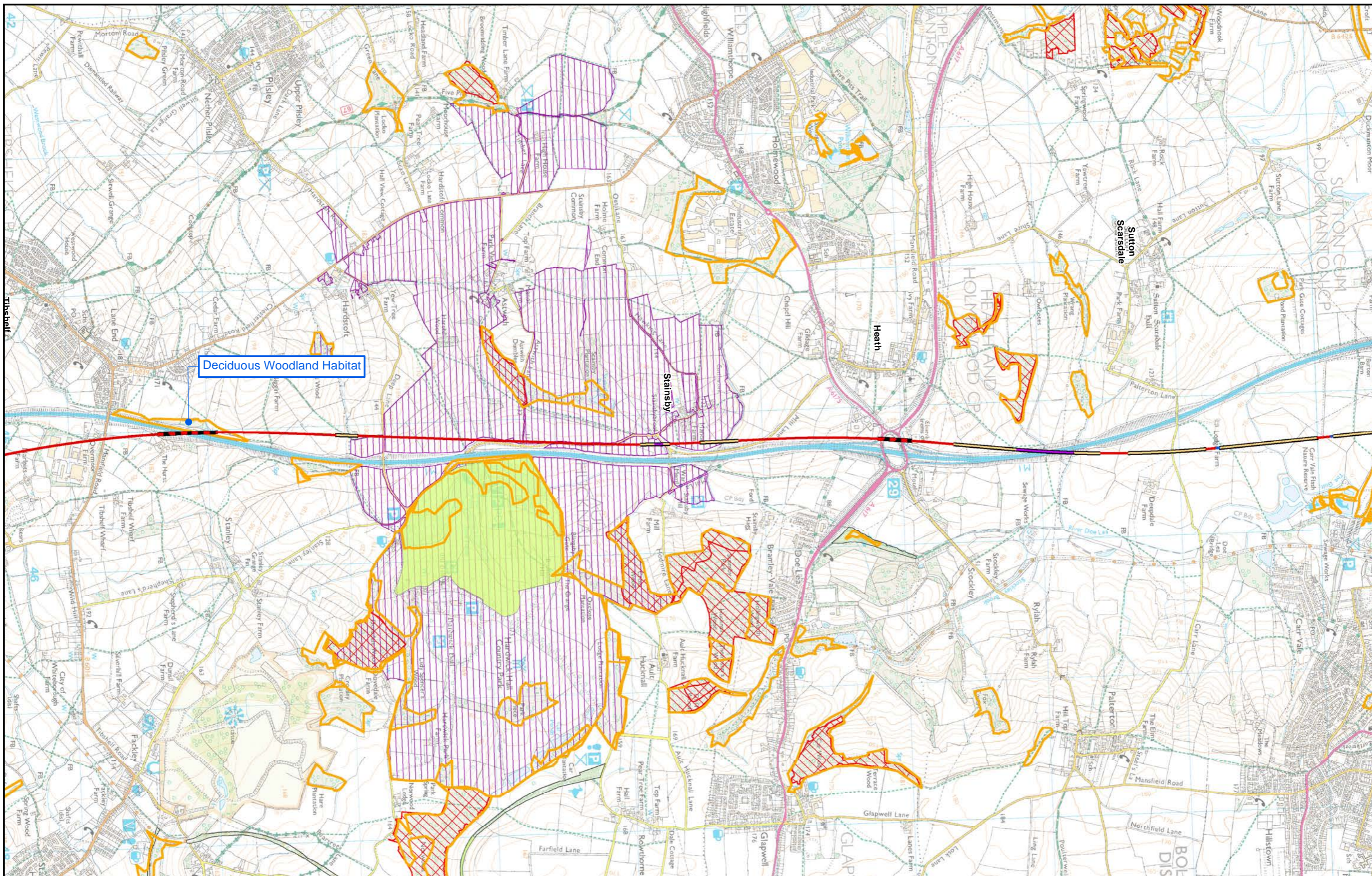
	Listed Building Grade I		Ramsar Site		Conservation Area
	Listed Building Grade II*		Special Area of Conservation (SAC)		National Nature Reserve (NNR)
	Listed Building Grade II		Special Protection Area (SPA)		Registered Battlefield
	Scheduled Monument		Site of Special Scientific Interest (SSSI)		Registered Park and Garden

Figure Number:	EL-10-01
Figure Name:	Key Environmental Features Set 1 of 3
Route Name:	HSL13

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.
 Map Number: LMH-TGL-EV-MAP-100-000010 Date: 03/07/13



- Route Alignment**
- At Grade
 - Cut & Cover Tunnel
 - Cutting
 - Embankment
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

- Sustainability Features**
- Ancient Woodland
 - Country Parks
 - Habitat of Principal Importance
 - Local Nature Reserve (LNR)
 - National Trail
 - National Trust Ownership

Figure Number: EL-10-02

Figure Name: **Key Environmental Features Set 2 of 3**

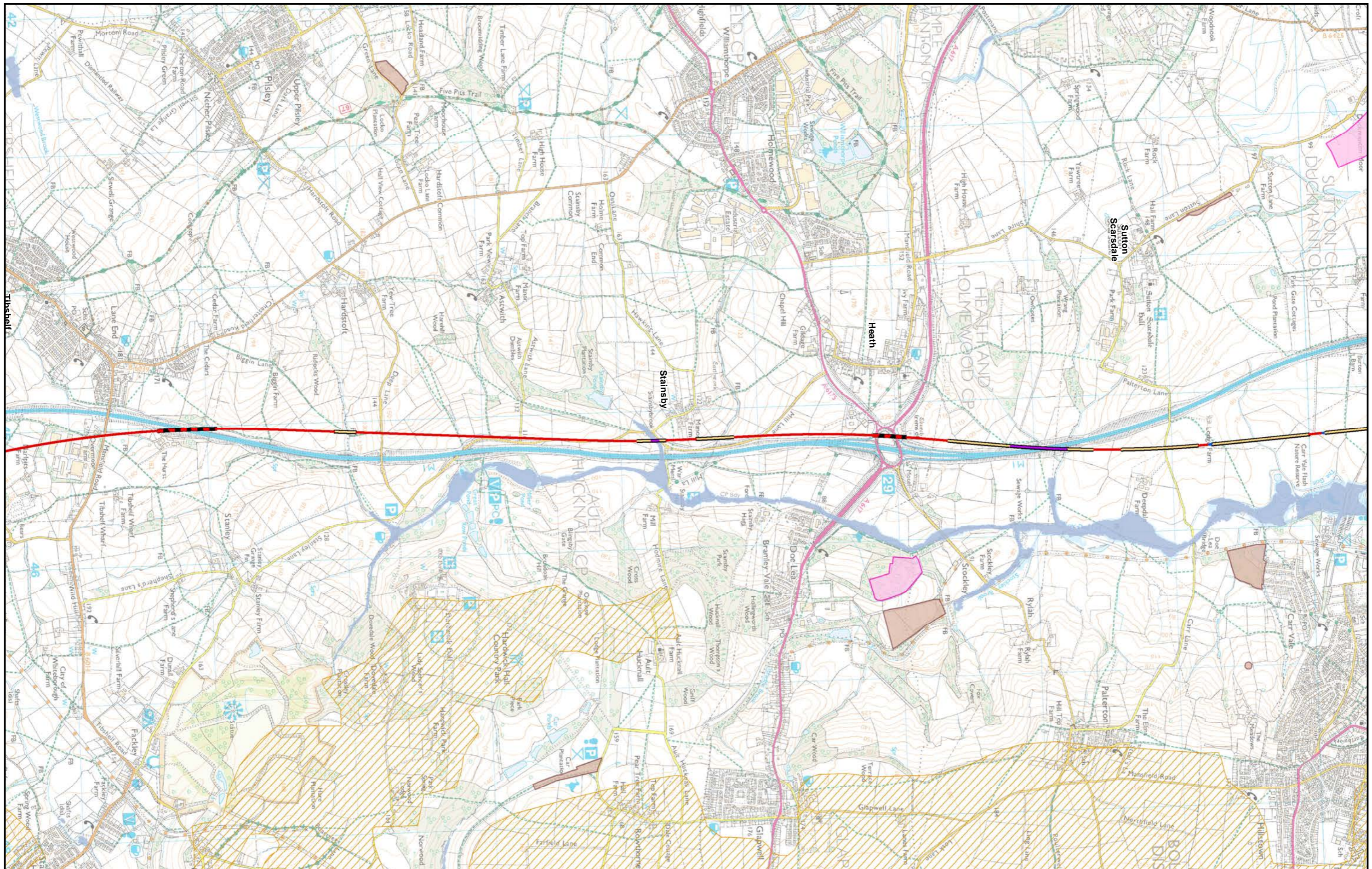
Route Name: HSL13

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000030 Date: 05/07/13




- Route Alignment**
- At Grade
 - Cut & Cover Tunnel
 - Cutting
 - Embankment
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

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

Figure Number: EL-10-03

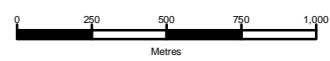
Figure Name: **Key Environmental Features**
Set 3 of 3

Route Name: HSL13




© Crown copyright and database rights 2013.
Ordnance Survey Licence Number 100049190.

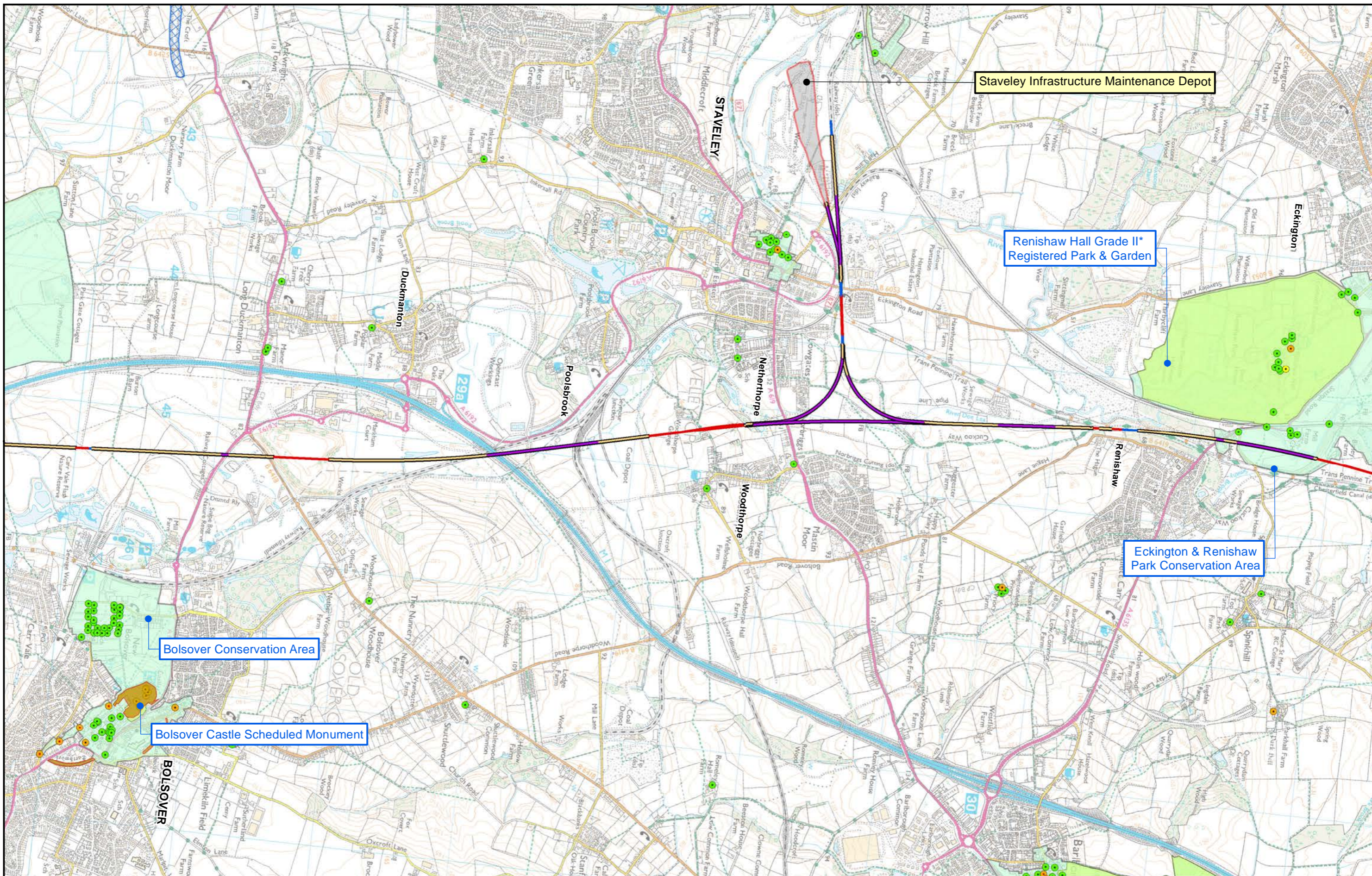
Scale at A3: 1:25,000



Temple ERM 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.



Map Number: LMH-TGL-EV-MAP-100-000050 Date: 05/07/13



- Route Alignment**
- At Grade
 - Cut & Cover Tunnel
 - Cutting
 - Embankment
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

- 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)
 - Conservation Area
 - National Nature Reserve (NNR)
 - Registered Battlefield
 - Registered Park and Garden

Figure Number: EL-11-01

Figure Name: **Key Environmental Features Set 1 of 3**

Route Name: HSL13

Figure Number: EL-11-01

Figure Name: **Key Environmental Features Set 1 of 3**

Route Name: HSL13

Scale at A3: 1:25,000

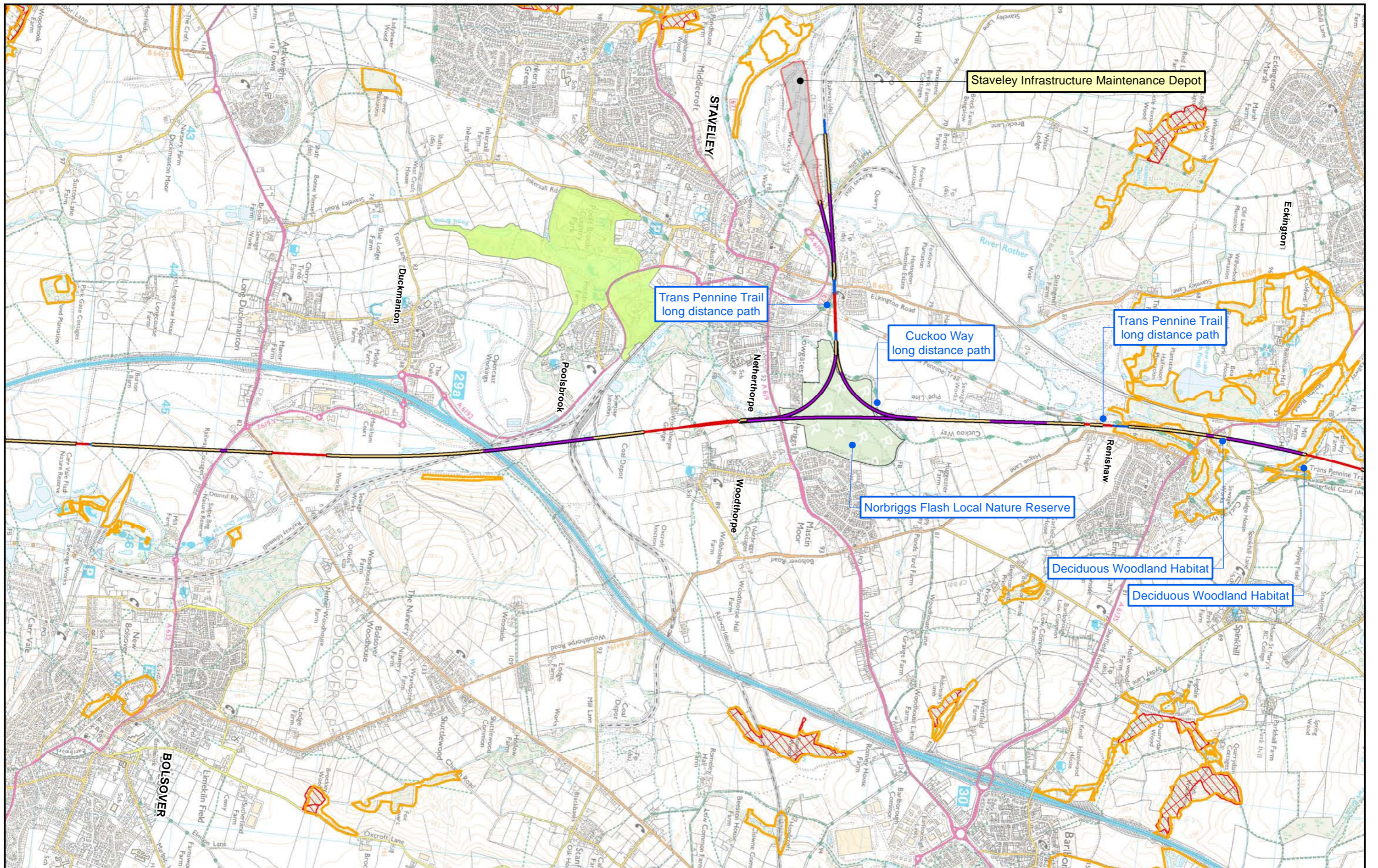
Map Number: LMH-TGL-EV-MAP-100-000011

Date: 03/07/13

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Temple ERM

Temple ERM 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.



Route Alignment	
	At Grade
	Cut & Cover Tunnel
	Cutting
	Embankment
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features	
	Ancient Woodland
	Country Parks
	Habitat of Principal Importance
	Local Nature Reserve (LNR)
	National Trail
	National Trust Ownership

Figure Number:	EL-11-02
Figure Name:	Key Environmental Features Set 2 of 3
Route Name:	HSL13

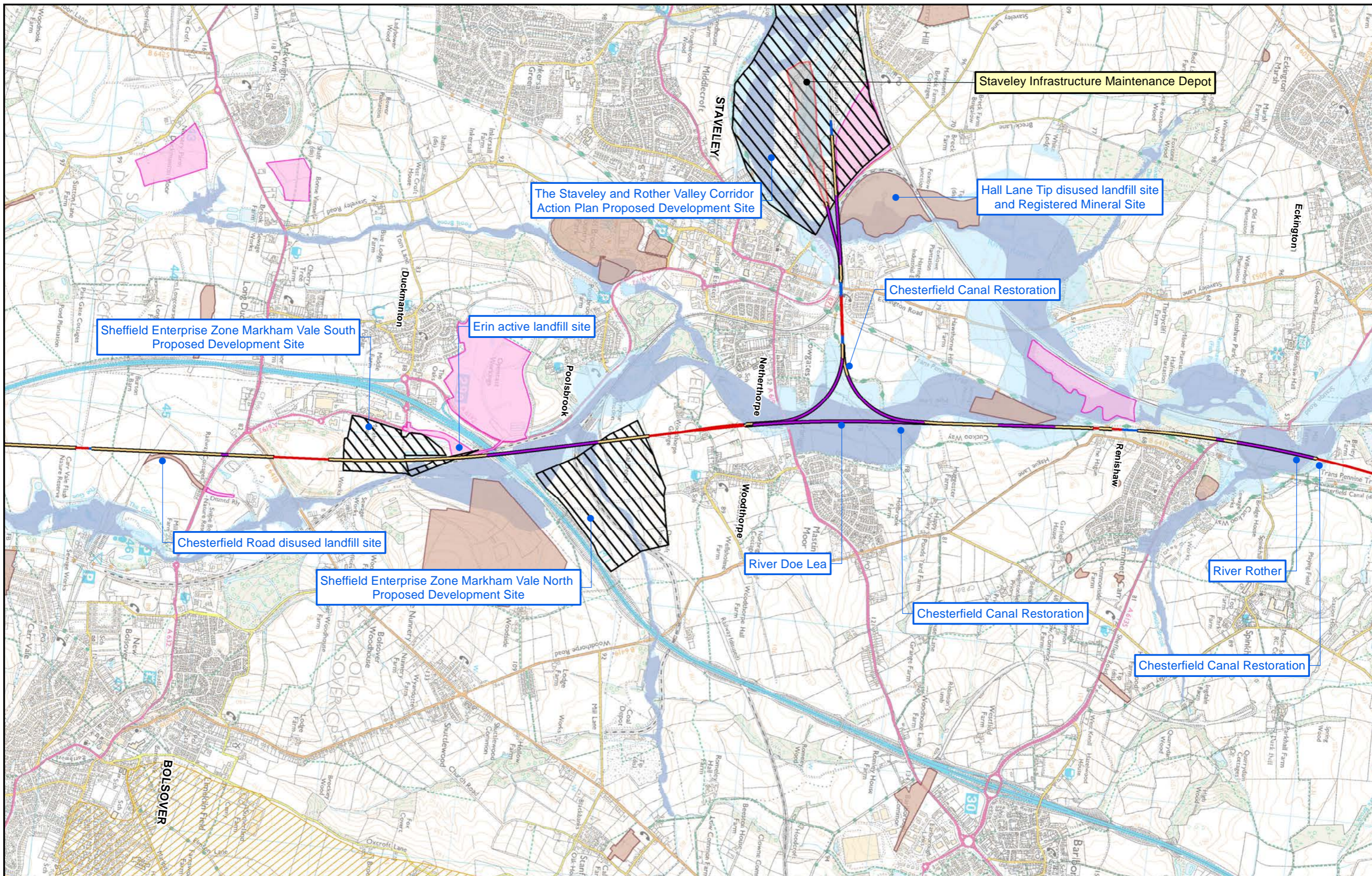
TEMPLE ERM

Temple ERM 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: 1:25,000

Metres

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190. Map Number: LMH-TGL-EV-MAP-100-000031 Date: 05/07/13



- Route Alignment**
- At Grade
 - Cut & Cover Tunnel
 - Cutting
 - Embankment
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

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

Figure Number: EL-11-03

Figure Name: **Key Environmental Features Set 3 of 3**

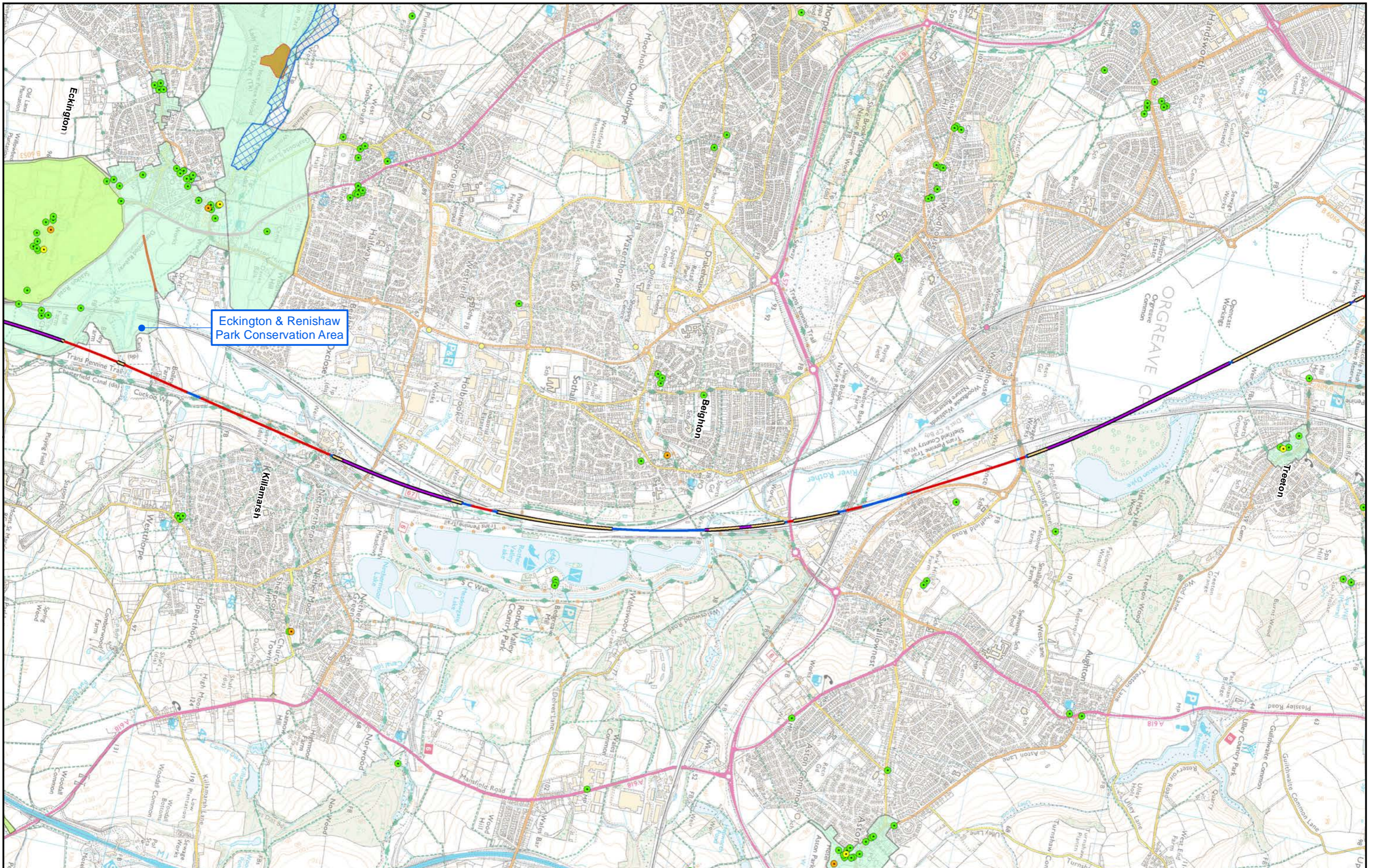
Route Name: HSL13

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000051 **Date:** 05/07/13



Route Alignment

- At Grade
- Cut & Cover Tunnel
- Cutting
- Embankment
- Tunnel
- Viaduct
- Station or Depot Operational Boundary

Sustainability Features

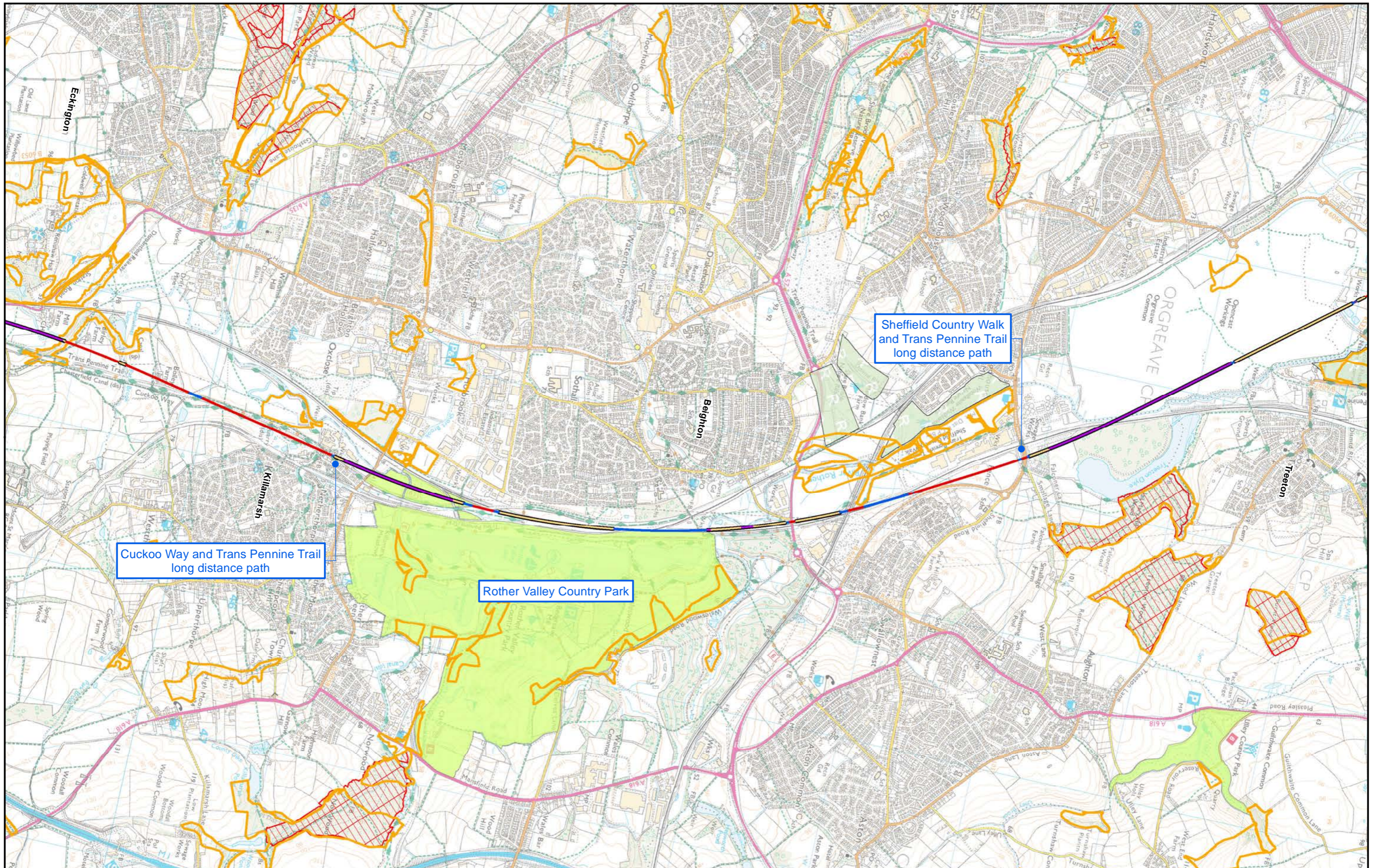
- Listed Building Grade I
- Listed Building Grade II*
- Listed Building Grade II
- Scheduled Monument
- Ramsar Site
- Special Area of Conservation (SAC)
- Special Protection Area (SPA)
- Site of Special Scientific Interest (SSSI)
- Conservation Area
- National Nature Reserve (NNR)
- Registered Battlefield
- Registered Park and Garden

Figure Number:	EL-12-01
Figure Name:	Key Environmental Features Set 1 of 3
Route Name:	HSL13 / HSL14

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190. Map Number: LMH-TGL-EV-MAP-100-000012 Date: 03/07/13



Cuckoo Way and Trans Pennine Trail long distance path

Rother Valley Country Park

Sheffield Country Walk and Trans Pennine Trail long distance path

- Route Alignment**
- At Grade
 - Cut & Cover Tunnel
 - Cutting
 - Embankment
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

- Sustainability Features**
- Ancient Woodland
 - Country Parks
 - Habitat of Principal Importance
 - Local Nature Reserve (LNR)
 - National Trail
 - National Trust Ownership

Figure Number: EL-12-02

Figure Name: **Key Environmental Features Set 2 of 3**

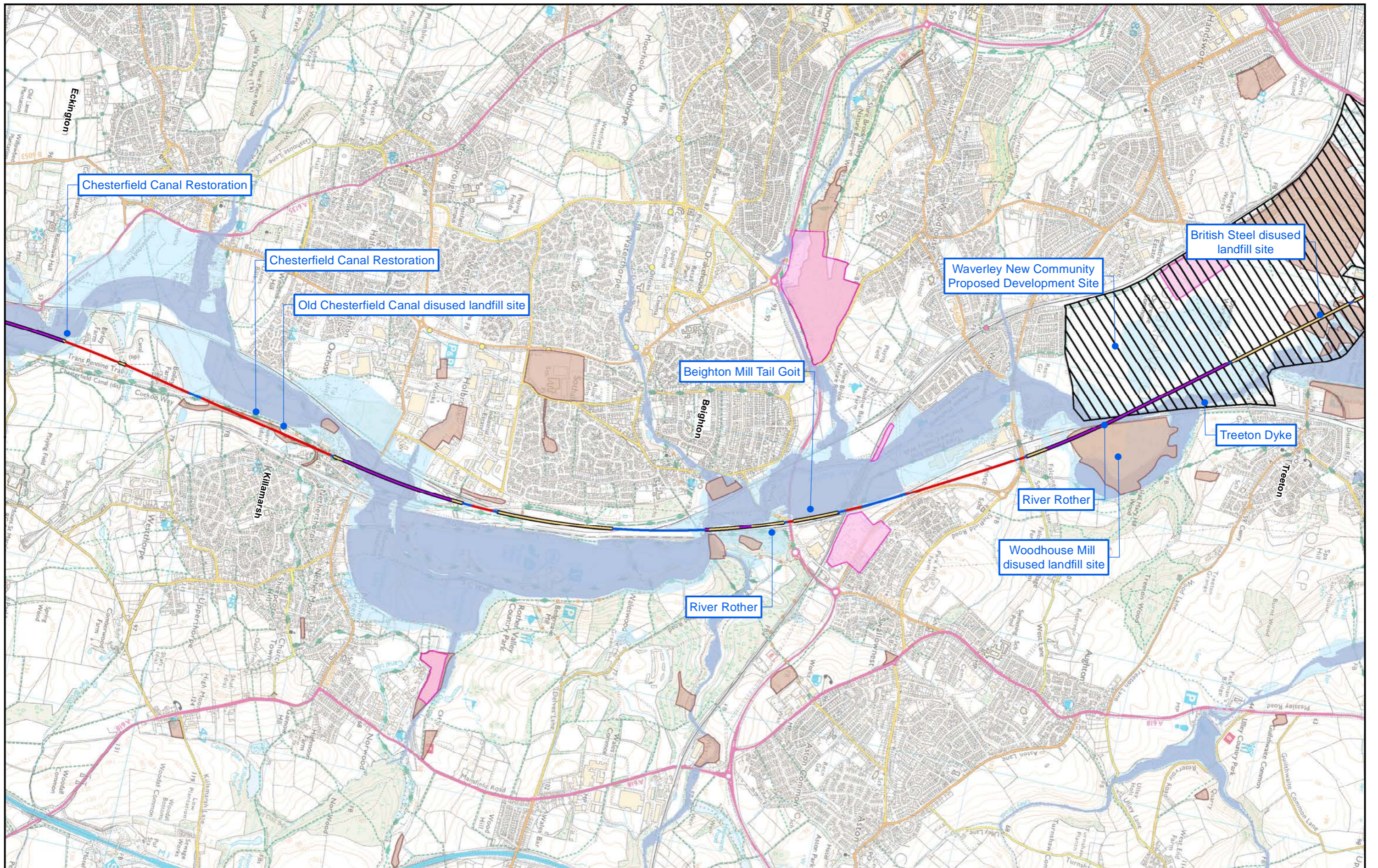
Route Name: HSL13 / HSL14

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000032 Date: 05/07/13



Route Alignment	
	At Grade
	Cut & Cover Tunnel
	Cutting
	Embankment
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

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

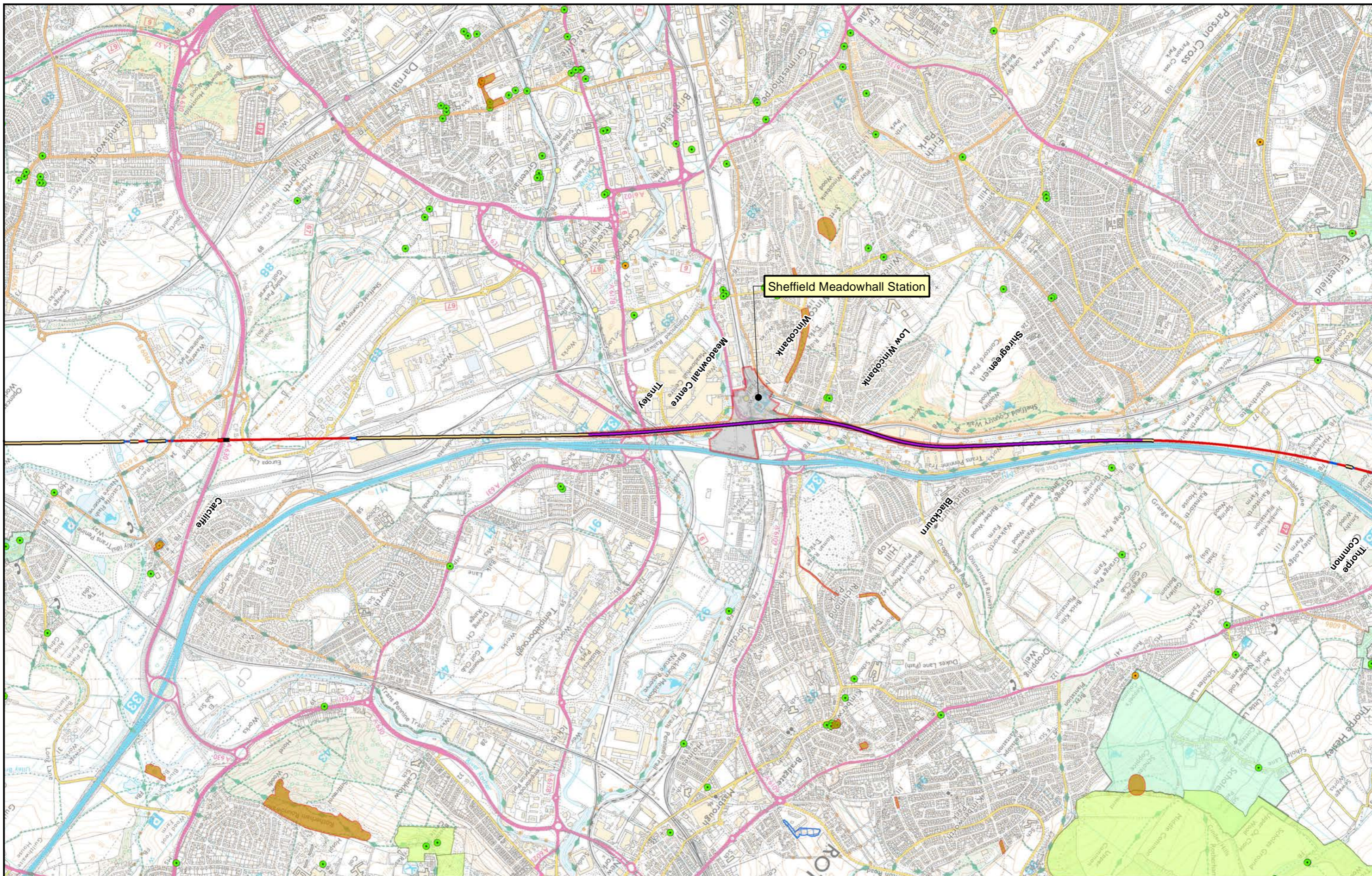
Figure Number:	EL-12-03
Figure Name:	Key Environmental Features Set 3 of 3
Route Name:	HSL13 / HSL14

TEMPLE ERM

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013.
Ordnance Survey Licence Number 100049190.
Map Number: LMH-TGL-EV-MAP-100-000052 Date: 05/07/13



- Route Alignment**
- At Grade
 - Cut & Cover Tunnel
 - Cutting
 - Embankment
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

- 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)
 - Conservation Area
 - National Nature Reserve (NNR)
 - Registered Battlefield
 - Registered Park and Garden

Figure Number: EL-13-01

Figure Name: **Key Environmental Features Set 1 of 3**

Route Name: HSL14 / HSL15 / HSL16

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000013

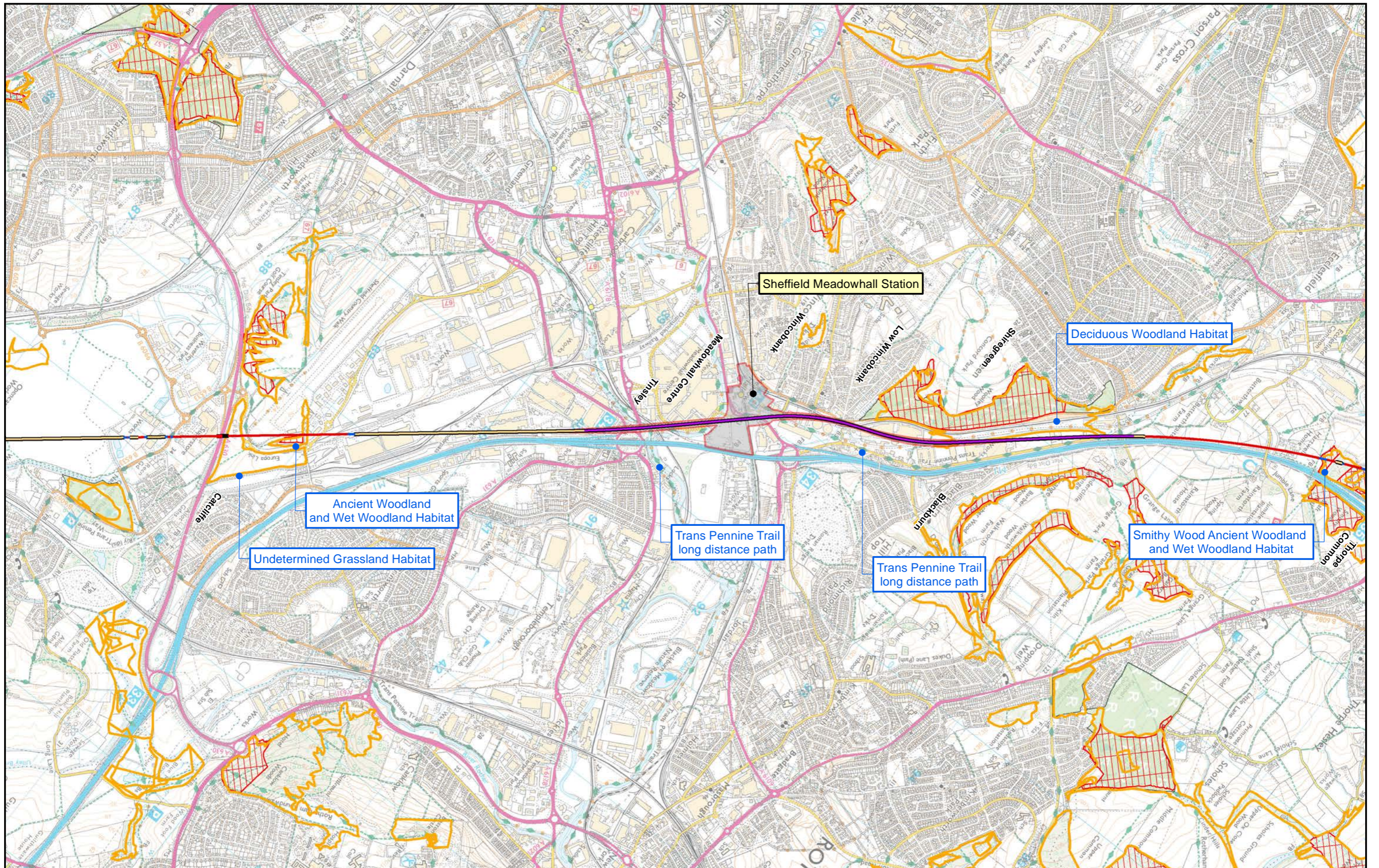
Date: 03/07/13

Scale at A3: 1:25,000

0 250 500 750 1,000 Metres

TEMPLE ERM

Temple ERM 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.



Route Alignment

	At Grade
	Cut & Cover Tunnel
	Cutting
	Embankment
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features

	Ancient Woodland		Local Nature Reserve (LNR)
	Country Parks		National Trail
	Habitat of Principal Importance		National Trust Ownership

Figure Number:	EL-13-02
Figure Name:	Key Environmental Features Set 2 of 3
Route Name:	HSL14 / HSL15 / HSL16

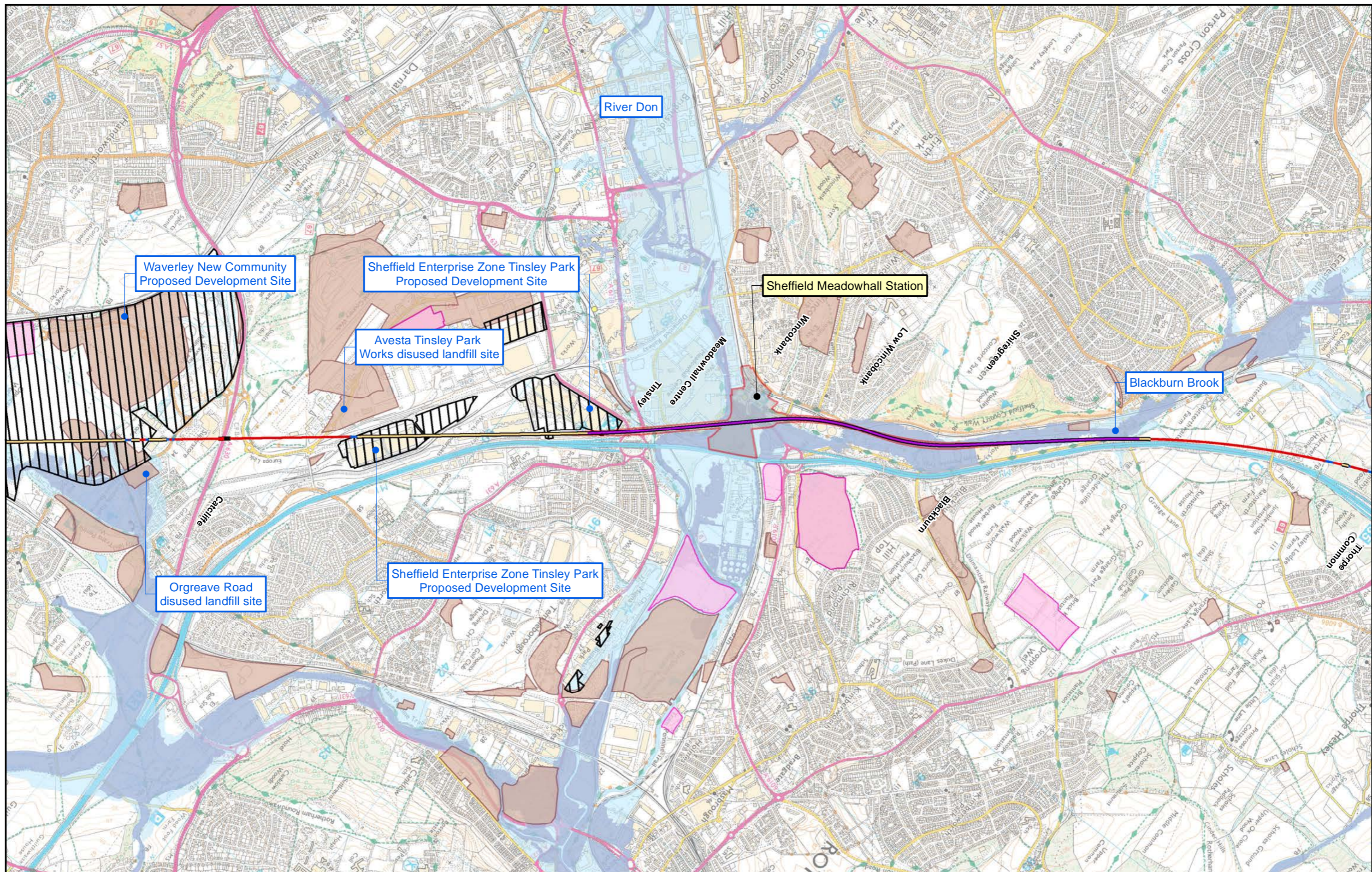
Temple ERM accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

Scale at A3: 1:25,000

 0 250 500 750 1,000 Metres

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

 Map Number: LMH-TGL-EV-MAP-100-000033 Date: 05/07/13



Route Alignment

	At Grade
	Cut & Cover Tunnel
	Cutting
	Embankment
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features

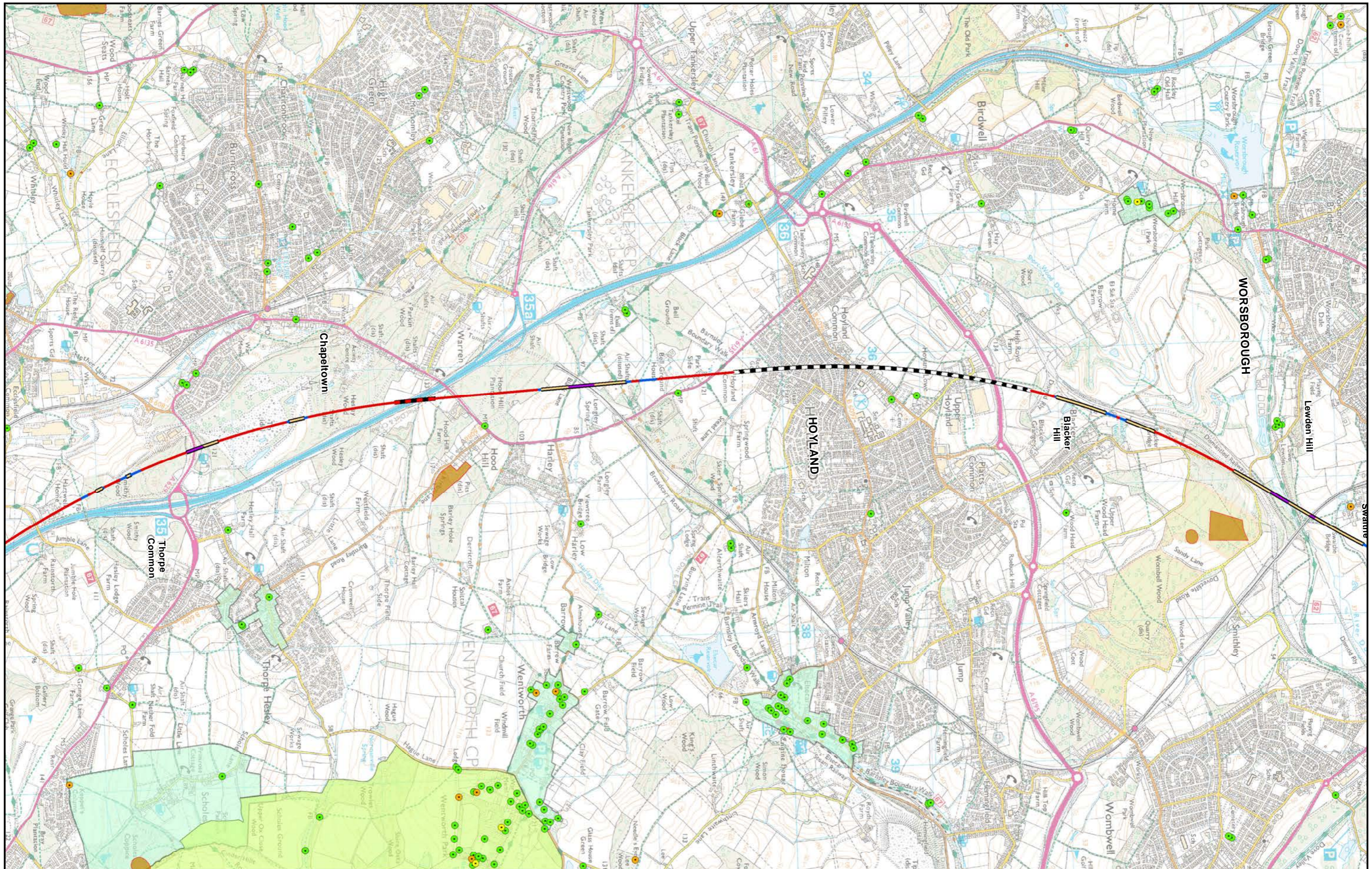
	Agricultural Land Grade 1		Flood Zone 3
	Agricultural Land Grade 2		Flood Zone 2
	Landfill Site (Active)		Groundwater Source Protection Zone 1
	Landfill Site (Disused)		Groundwater Source Protection Zone 2
	Major Development Site		

Figure Number:	EL-13-03
Figure Name:	Key Environmental Features Set 3 of 3
Route Name:	HSL14 / HSL15 / HSL16

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.
 Map Number: LMH-TGL-EV-MAP-100-000053 Date: 05/07/13



Route Alignment

	At Grade
	Cut & Cover Tunnel
	Cutting
	Embankment
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features

	Listed Building Grade I		Ramsar Site
	Listed Building Grade II*		Special Area of Conservation (SAC)
	Listed Building Grade II		Special Protection Area (SPA)
	Scheduled Monument		Site of Special Scientific Interest (SSSI)
			Conservation Area
			National Nature Reserve (NNR)
			Registered Battlefield
			Registered Park and Garden

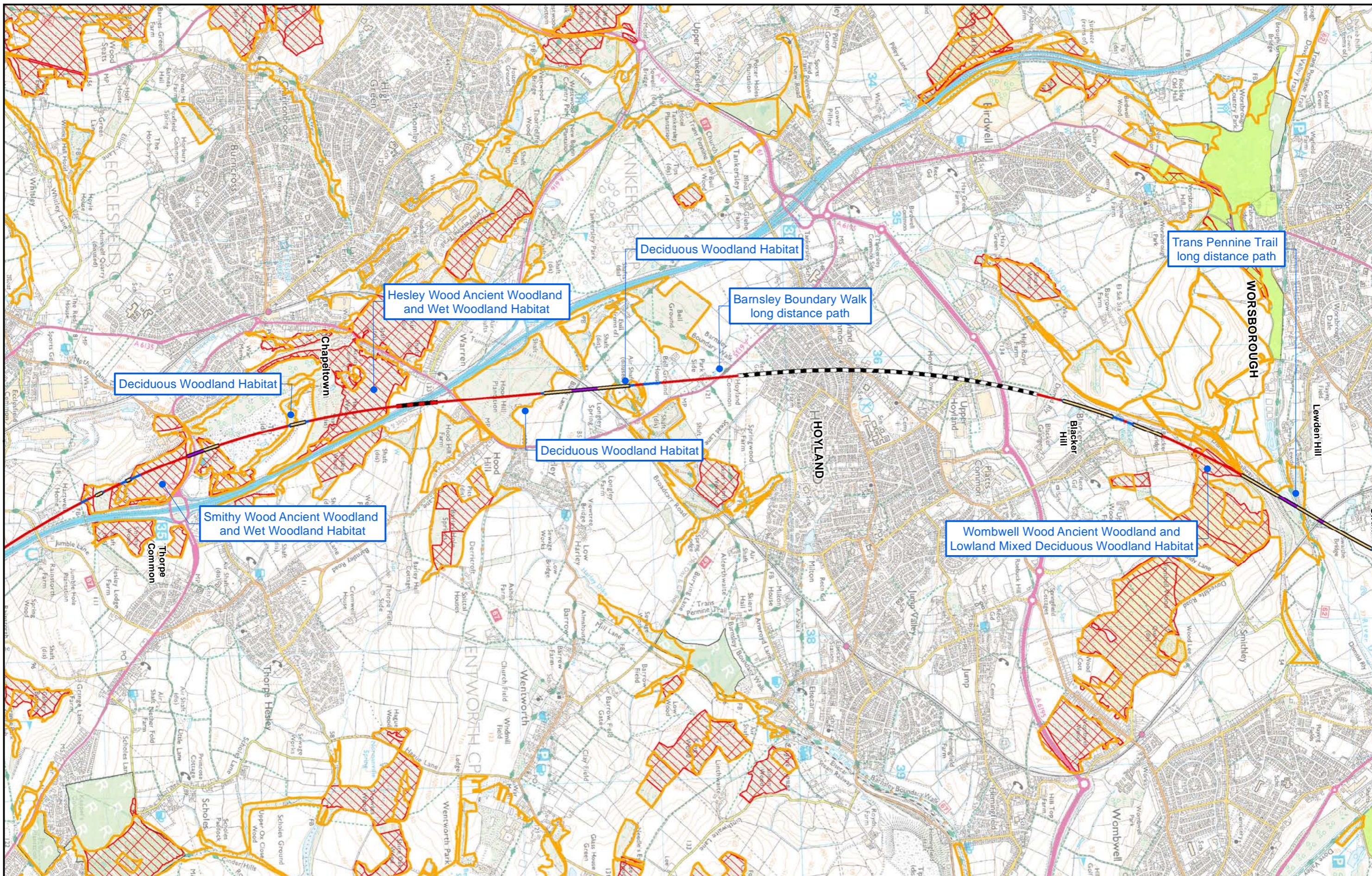
Figure Number:	EL-14-01
Figure Name:	Key Environmental Features Set 1 of 3
Route Name:	HSL16

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000014
Date: 03/07/13



- Route Alignment**
- At Grade
 - Cut & Cover Tunnel
 - Cutting
 - Embankment
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

- Sustainability Features**
- Ancient Woodland
 - Country Parks
 - Habitat of Principal Importance
 - Local Nature Reserve (LNR)
 - National Trail
 - National Trust Ownership

Figure Number: EL-14-02

Figure Name: **Key Environmental Features Set 2 of 3**

Route Name: HSL16

Figure Number: EL-14-02

Figure Name: **Key Environmental Features Set 2 of 3**

Route Name: HSL16

Scale at A3: 1:25,000

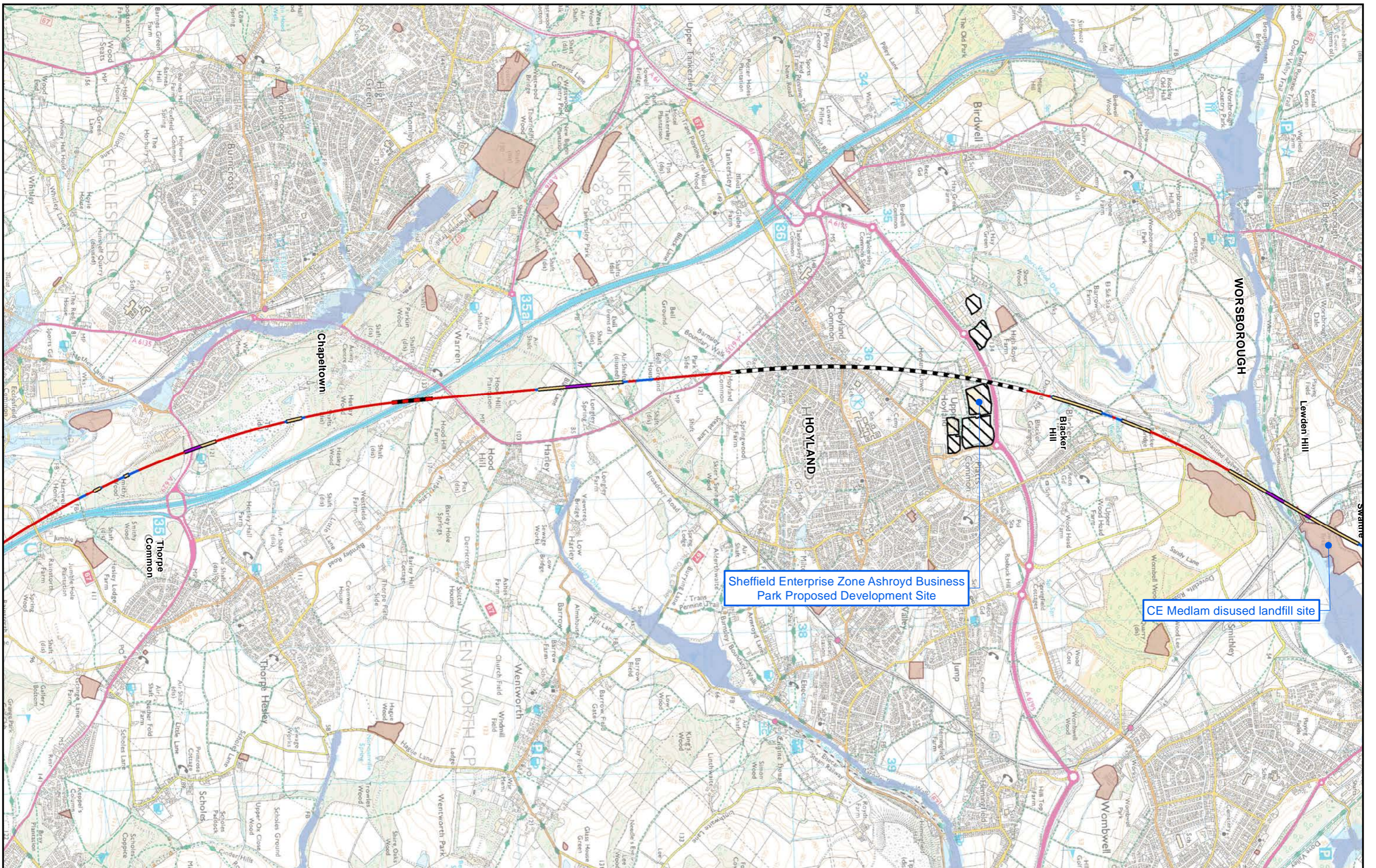
© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000034

Date: 05/07/13

Temple ERM logo and disclaimer: Temple ERM 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.

North arrow and scale bar (0 to 1,000 Metres).



Sheffield Enterprise Zone Ashroyd Business Park Proposed Development Site

CE Medlam disused landfill site

- Route Alignment**
- At Grade
 - Cut & Cover Tunnel
 - Cutting
 - Embankment
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

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

Figure Number: EL-14-03

Figure Name: Key Environmental Features Set 3 of 3

Route Name: HSL16

Temple ERM 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.

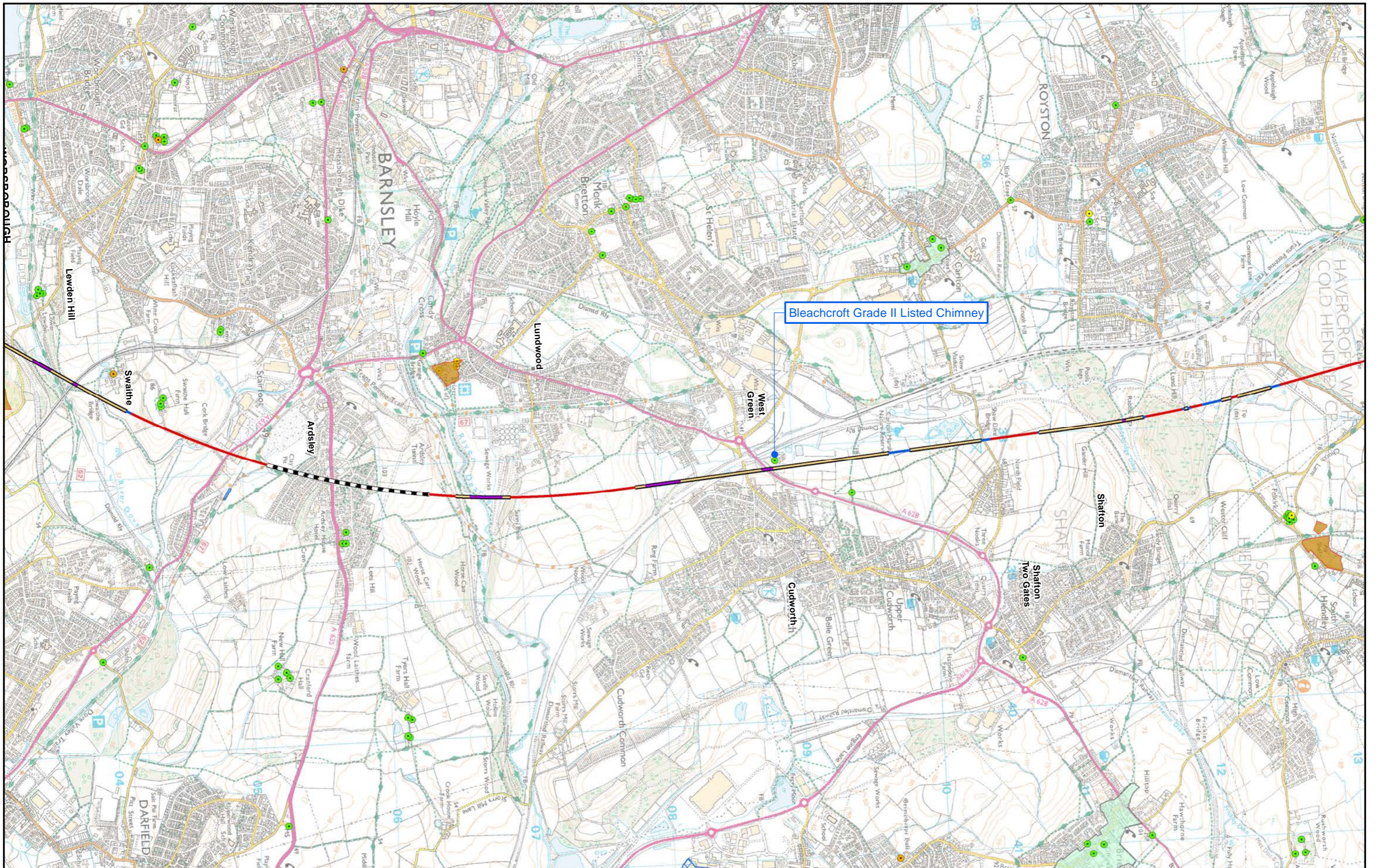
Scale at A3: 1:25,000

0 250 500 750 1,000 Metres

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

 Map Number: LMH-TGL-EV-MAP-100-000054

 Date: 05/07/13



Bleachcroft Grade II Listed Chimney

- Route Alignment**
- At Grade
 - Cut & Cover Tunnel
 - Cutting
 - Embankment
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

- 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)
 - Conservation Area
 - National Nature Reserve (NNR)
 - Registered Battlefield
 - Registered Park and Garden

Figure Number: EL-15-01

Figure Name: **Key Environmental Features Set 1 of 3**

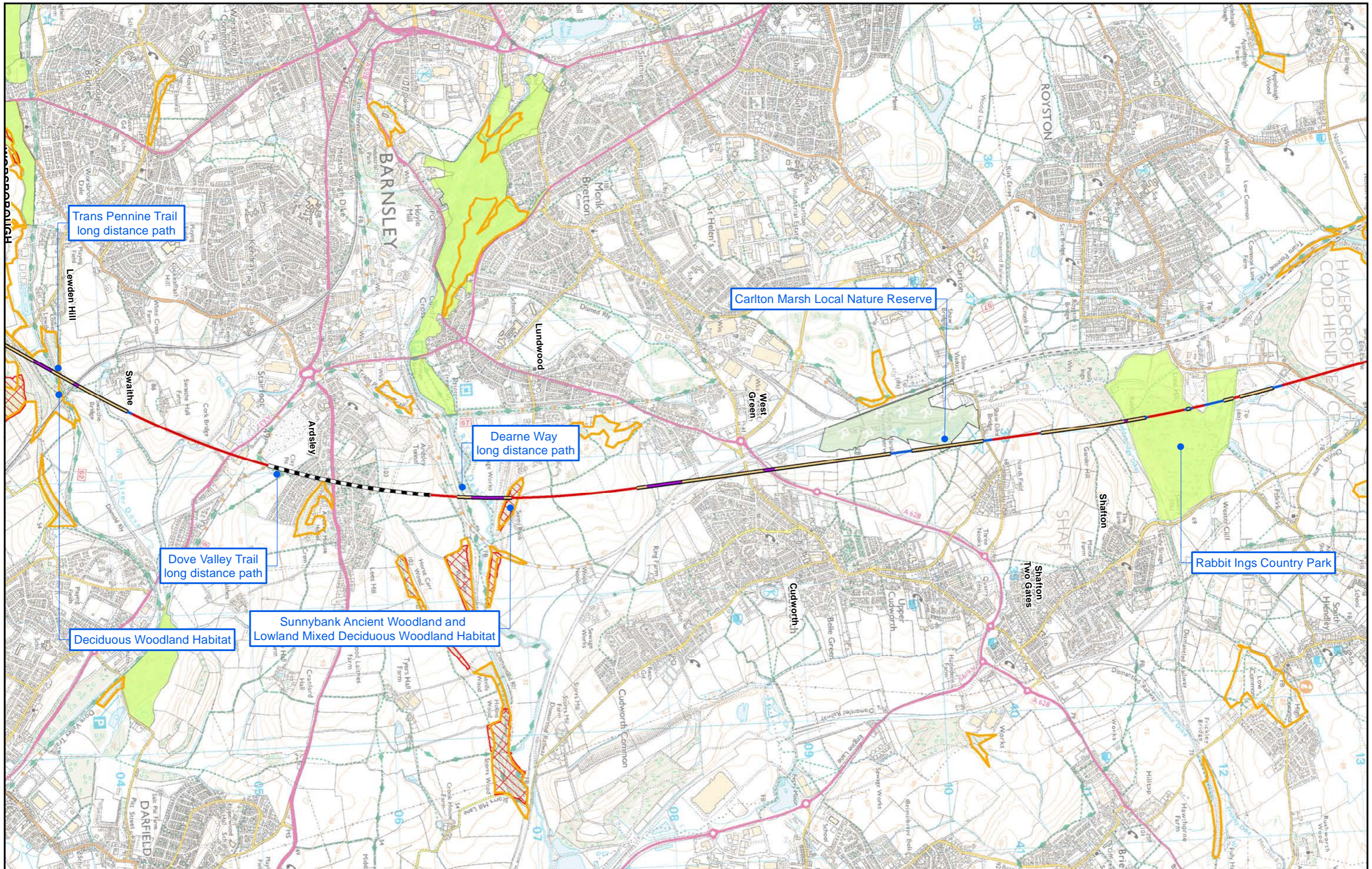
Route Name: HSL16

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000015 Date: 03/07/13



Route Alignment

	At Grade
	Cut & Cover Tunnel
	Cutting
	Embankment
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features

	Ancient Woodland		Local Nature Reserve (LNR)
	Country Parks		National Trail
	Habitat of Principal Importance		National Trust Ownership

Figure Number:	EL-15-02
Figure Name:	Key Environmental Features Set 2 of 3
Route Name:	HSL16

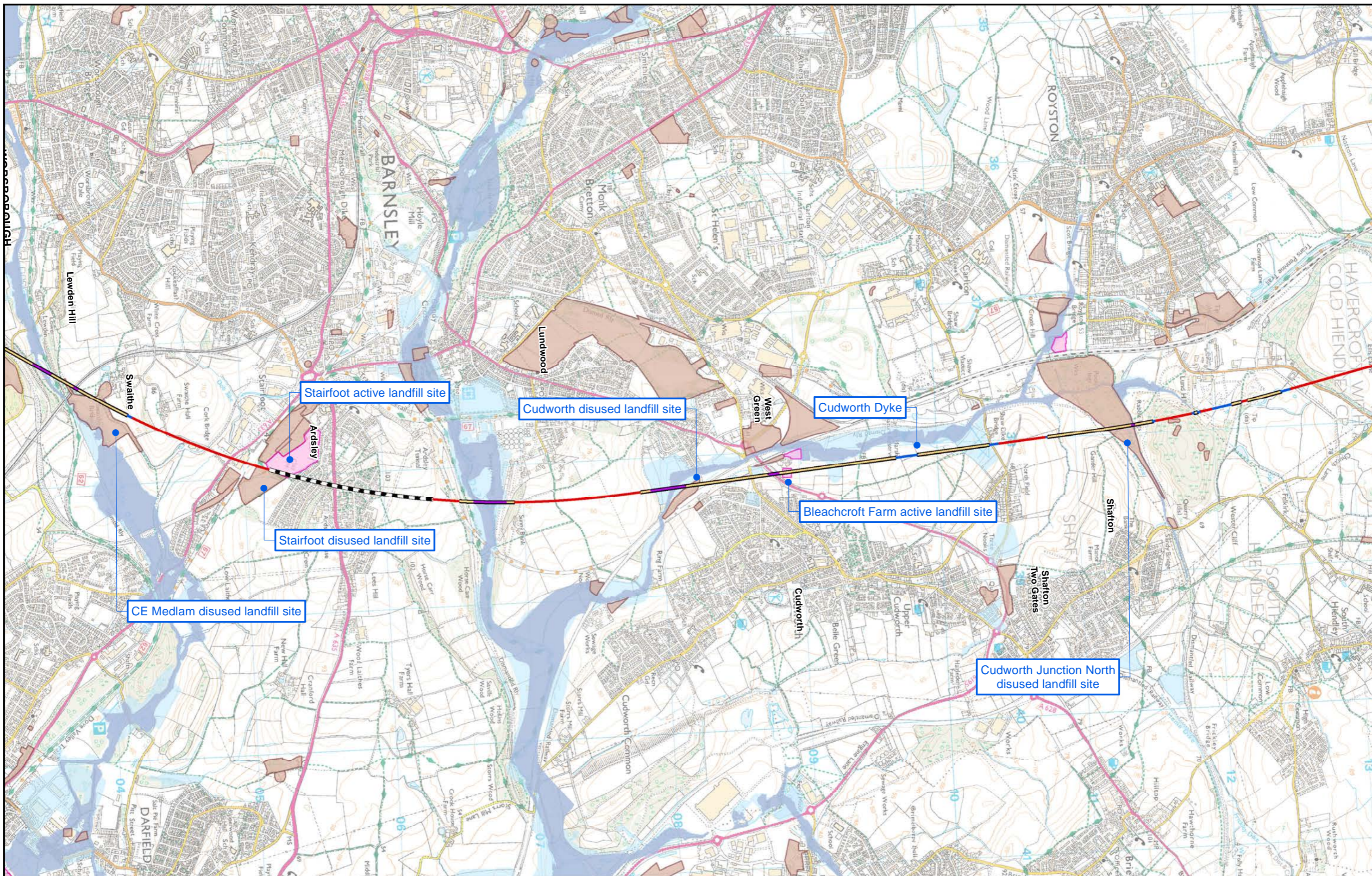
Temple ERM accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

Scale at A3: 1:25,000

 © Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

 Map Number: LMH-TGL-EV-MAP-100-000035

 Date: 05/07/13



- Route Alignment**
- At Grade
 - Cut & Cover Tunnel
 - Cutting
 - Embankment
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

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

Figure Number: EL-15-03

Figure Name: **Key Environmental Features Set 3 of 3**

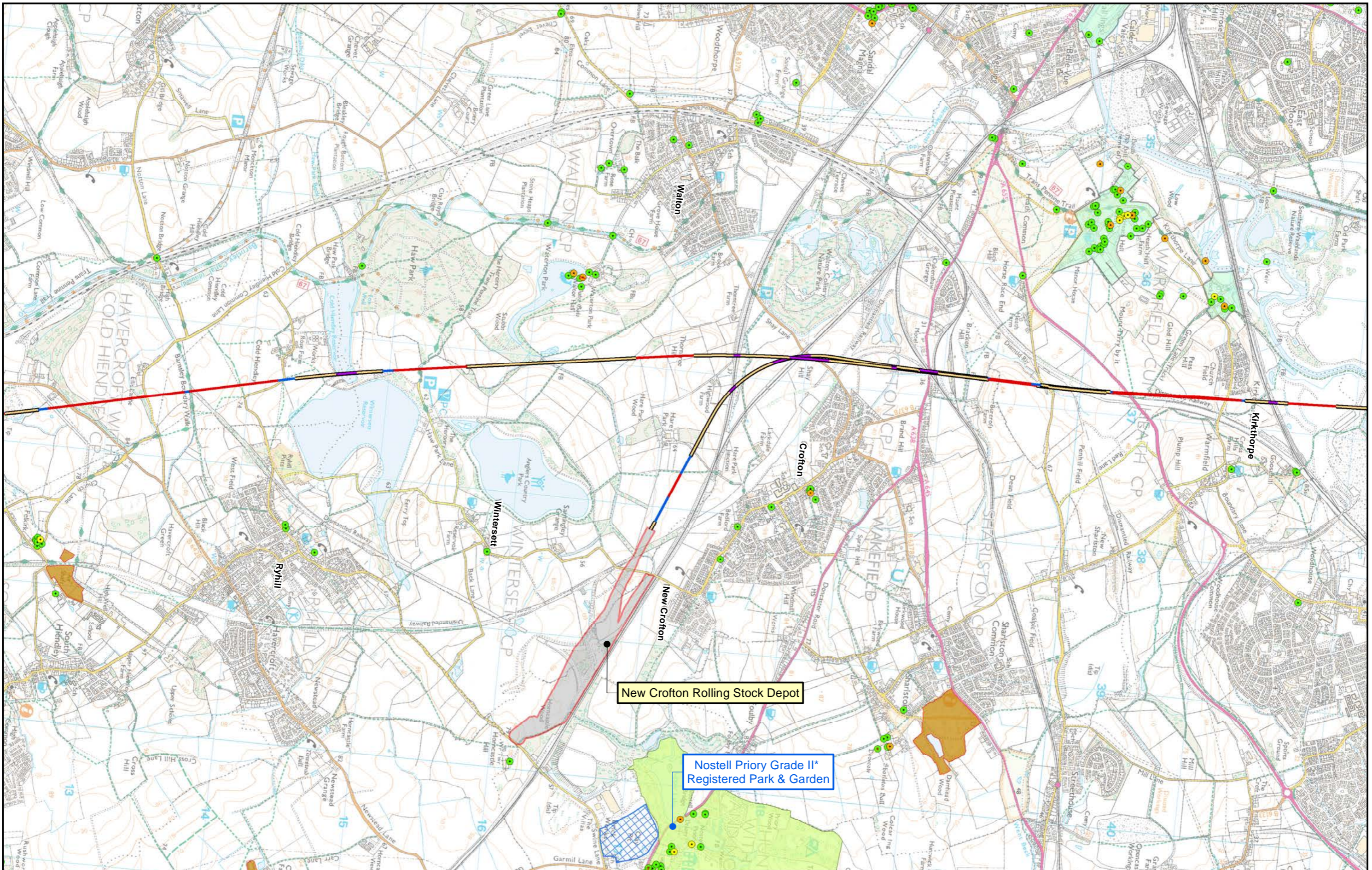
Route Name: HSL16

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000055 Date: 05/07/13




- Route Alignment**
- At Grade
 - Cut & Cover Tunnel
 - Cutting
 - Embankment
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

- 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)
 - Conservation Area
 - National Nature Reserve (NNR)
 - Registered Battlefield
 - Registered Park and Garden

Figure Number: EL-16-01


Figure Name: **Key Environmental Features Set 1 of 3**

Route Name: HSL16 / HSL17

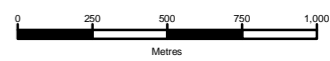


TEMPLE ERM

Temple ERM 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.



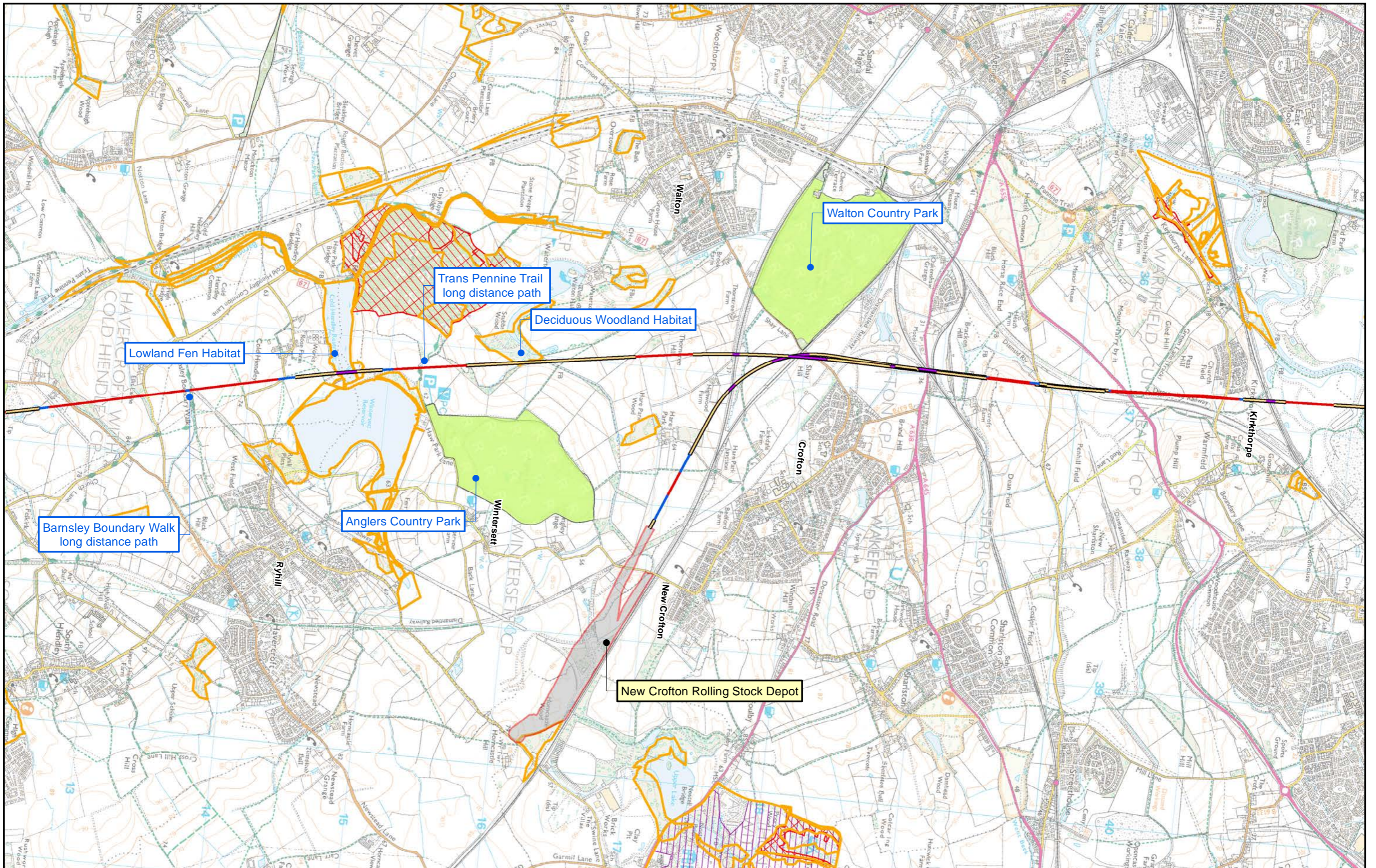
Scale at A3: 1:25,000



0 250 500 750 1,000 Metres

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000016 **Date:** 03/07/13




Route Alignment

- At Grade
- Cut & Cover Tunnel
- Cutting
- Embankment
- Tunnel
- Viaduct
- Station or Depot Operational Boundary

Sustainability Features

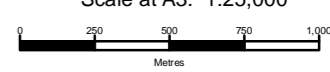
 Ancient Woodland	 Local Nature Reserve (LNR)
 Country Parks	— National Trail
 Habitat of Principal Importance	 National Trust Ownership


Figure Number:	EL-16-02
Figure Name:	Key Environmental Features Set 2 of 3
Route Name:	HSL16 / HSL17



© Crown copyright and database rights 2013.
Ordnance Survey Licence Number 100049190.

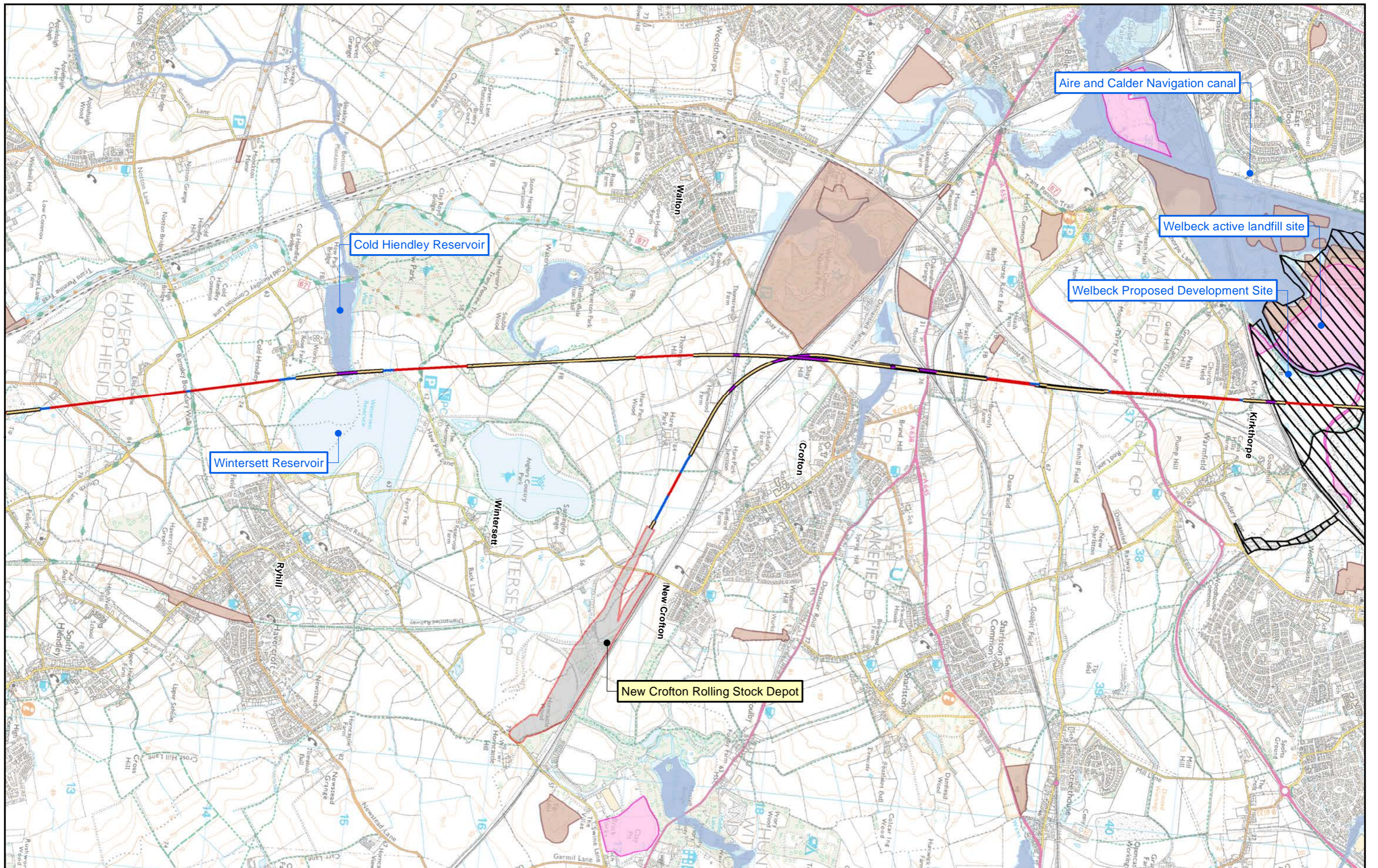
Scale at A3: 1:25,000





Temple ERM 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.

Map Number: LMH-TGL-EV-MAP-100-000036 Date: 05/07/13



- Route Alignment**
- At Grade
 - Cut & Cover Tunnel
 - Cutting
 - Embankment
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

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

Figure Number: EL-16-03
 Figure Name: Key Environmental Features Set 3 of 3
 Route Name: HSL16 / HSL17

Figure Number: EL-16-03
 Figure Name: Key Environmental Features Set 3 of 3
 Route Name: HSL16 / HSL17

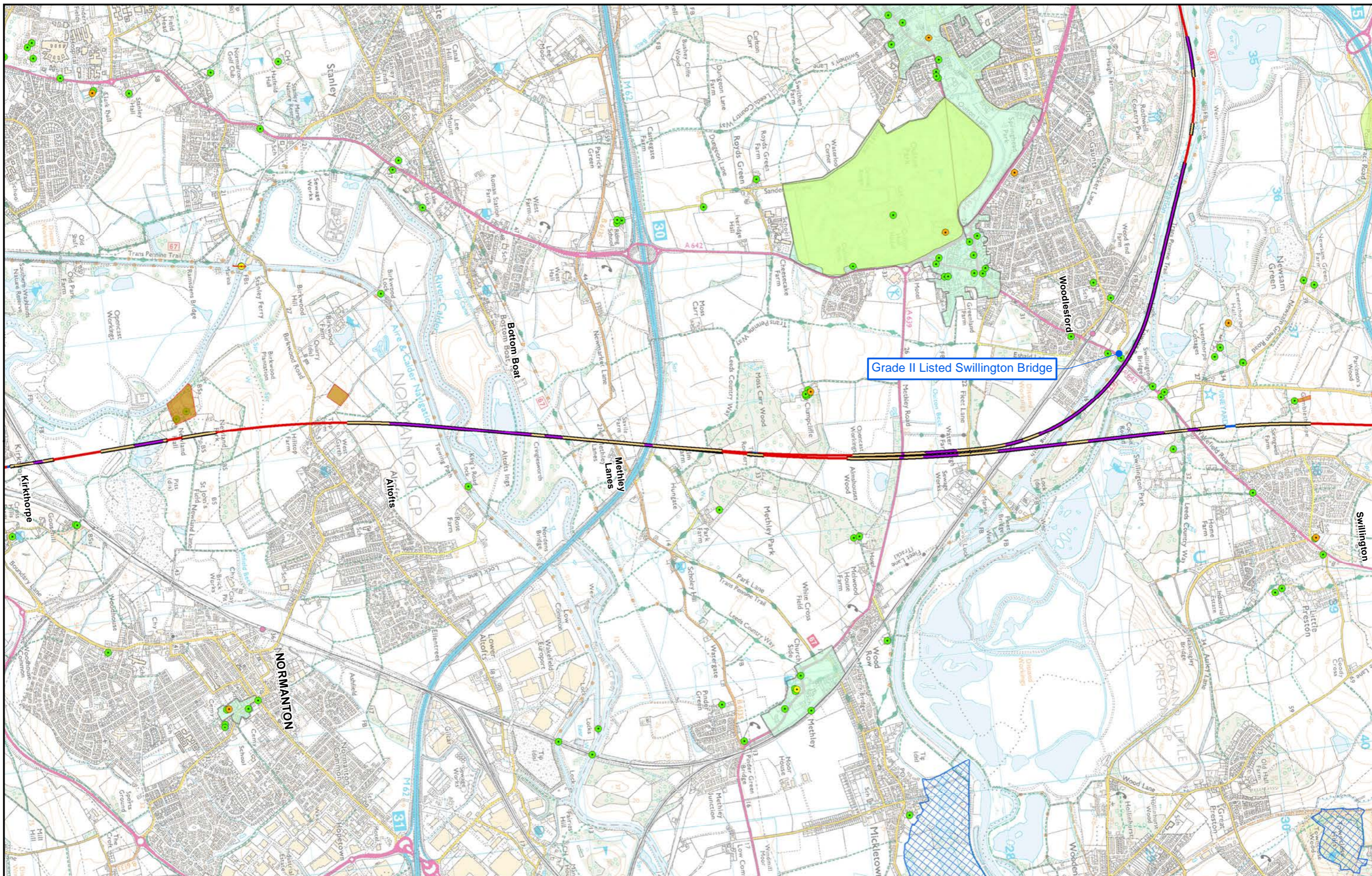
TEMPLE ERM

Scale at A3: 1:25,000

0 250 500 750 1,000 Metres

Map Number: LMH-TGL-EV-MAP-100-000056 Date: 05/07/13

Temple ERM 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.



- Route Alignment**
- At Grade
 - Cut & Cover Tunnel
 - Cutting
 - Embankment
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

- 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)
 - Conservation Area
 - National Nature Reserve (NNR)
 - Registered Battlefield
 - Registered Park and Garden

Figure Number: EL-17-01

Figure Name: **Key Environmental Features Set 1 of 3**

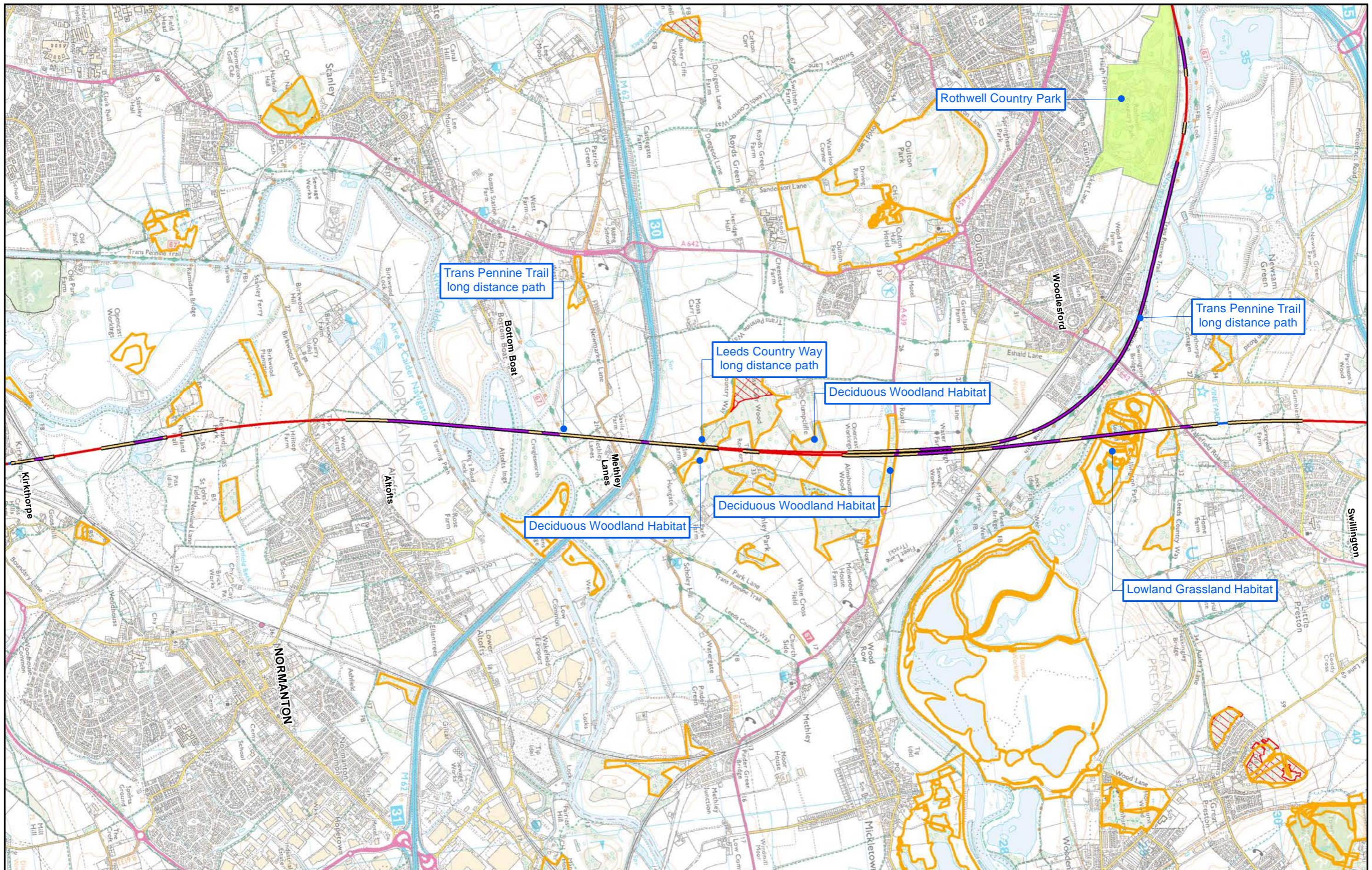
Route Name: HSL17 / HSL21

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000017 **Date:** 03/07/13



Route Alignment	
	At Grade
	Cut & Cover Tunnel
	Cutting
	Embankment
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

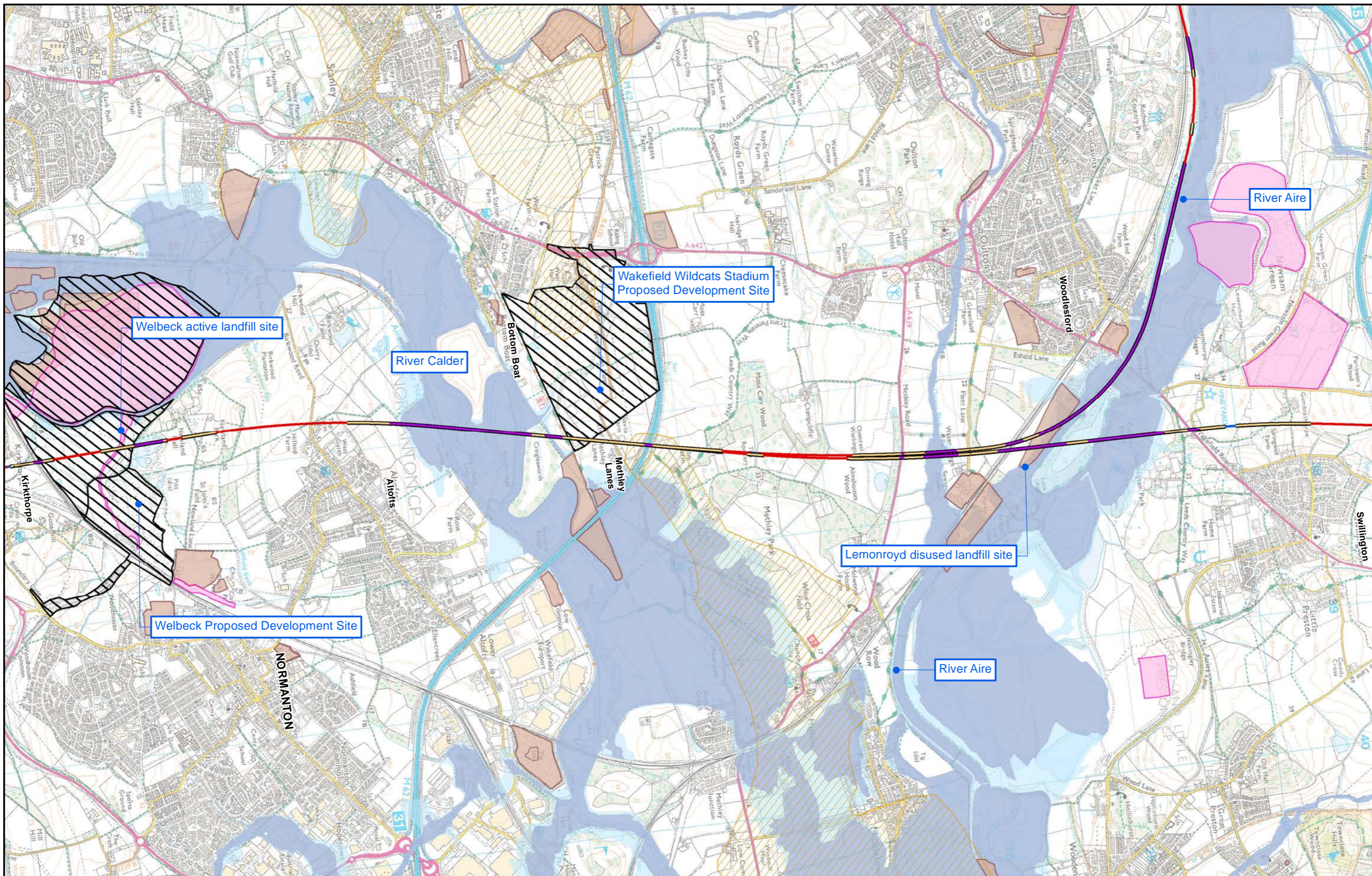
Sustainability Features			
	Ancient Woodland		Local Nature Reserve (LNR)
	Country Parks		National Trail
	Habitat of Principal Importance		National Trust Ownership

Figure Number:	EL-17-02
Figure Name:	Key Environmental Features Set 2 of 3
Route Name:	HSL17 / HSL21

Scale at A3: 1:25,000

Temple ERM 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.

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.
Map Number: LMH-TGL-EV-MAP-100-000037 Date: 05/07/13



Route Alignment

	At Grade
	Cut & Cover Tunnel
	Cutting
	Embankment
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features

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

Figure Number: EL-17-03

Figure Name: **Key Environmental Features Set 3 of 3**

Route Name: HSL17 / HSL21

Figure Name: **Key Environmental Features Set 3 of 3**

Scale at A3: 1:25,000

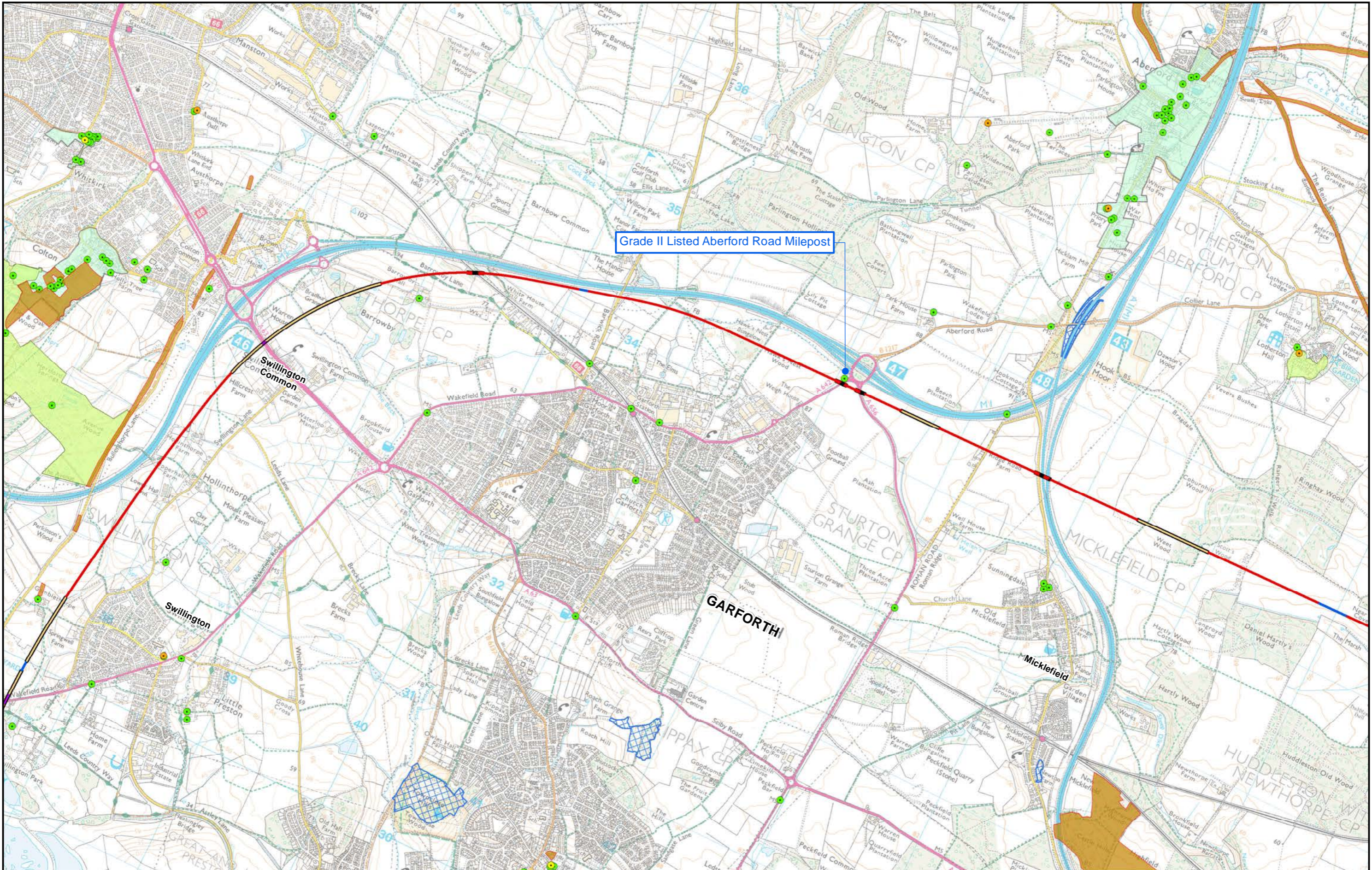
Map Number: LMH-TGL-EV-MAP-100-000057

Date: 05/07/13

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Temple ERM logo and north arrow.

Temple ERM 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.



Route Alignment

- At Grade
- Cut & Cover Tunnel
- Cutting
- Embankment
- Tunnel
- Viaduct
- Station or Depot Operational Boundary

Sustainability Features

● Listed Building Grade I	 Ramsar Site	 Conservation Area
● Listed Building Grade II*	 Special Area of Conservation (SAC)	 National Nature Reserve (NNR)
● Listed Building Grade II	 Special Protection Area (SPA)	 Registered Battlefield
 Scheduled Monument	 Site of Special Scientific Interest (SSSI)	 Registered Park and Garden

Figure Number:	EL-18-01
Figure Name:	Key Environmental Features Set 1 of 3
Route Name:	HSL17

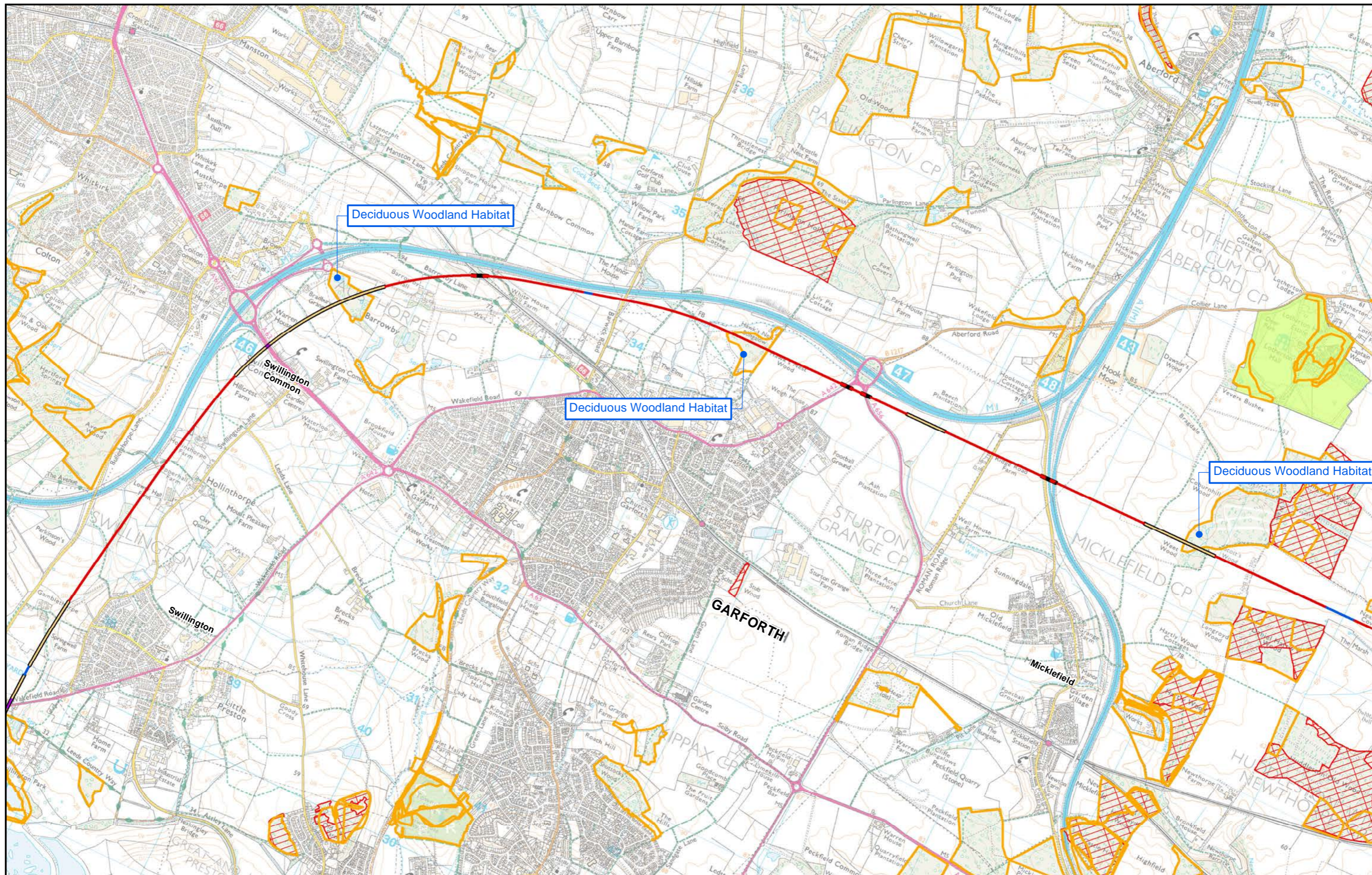
TEMPLE ERM

Temple ERM 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: 1:25,000

0 250 500 750 1,000 Metres

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190. Map Number: LMH-TGL-EV-MAP-100-000018 Date: 03/07/13



Route Alignment

- At Grade
- Cut & Cover Tunnel
- Cutting
- Embankment
- Tunnel
- Viaduct
- Station or Depot Operational Boundary

Sustainability Features

- Ancient Woodland
- Country Parks
- Habitat of Principal Importance
- Local Nature Reserve (LNR)
- National Trail
- National Trust Ownership

Figure Number: EL-18-02

Figure Name: Key Environmental Features Set 2 of 3

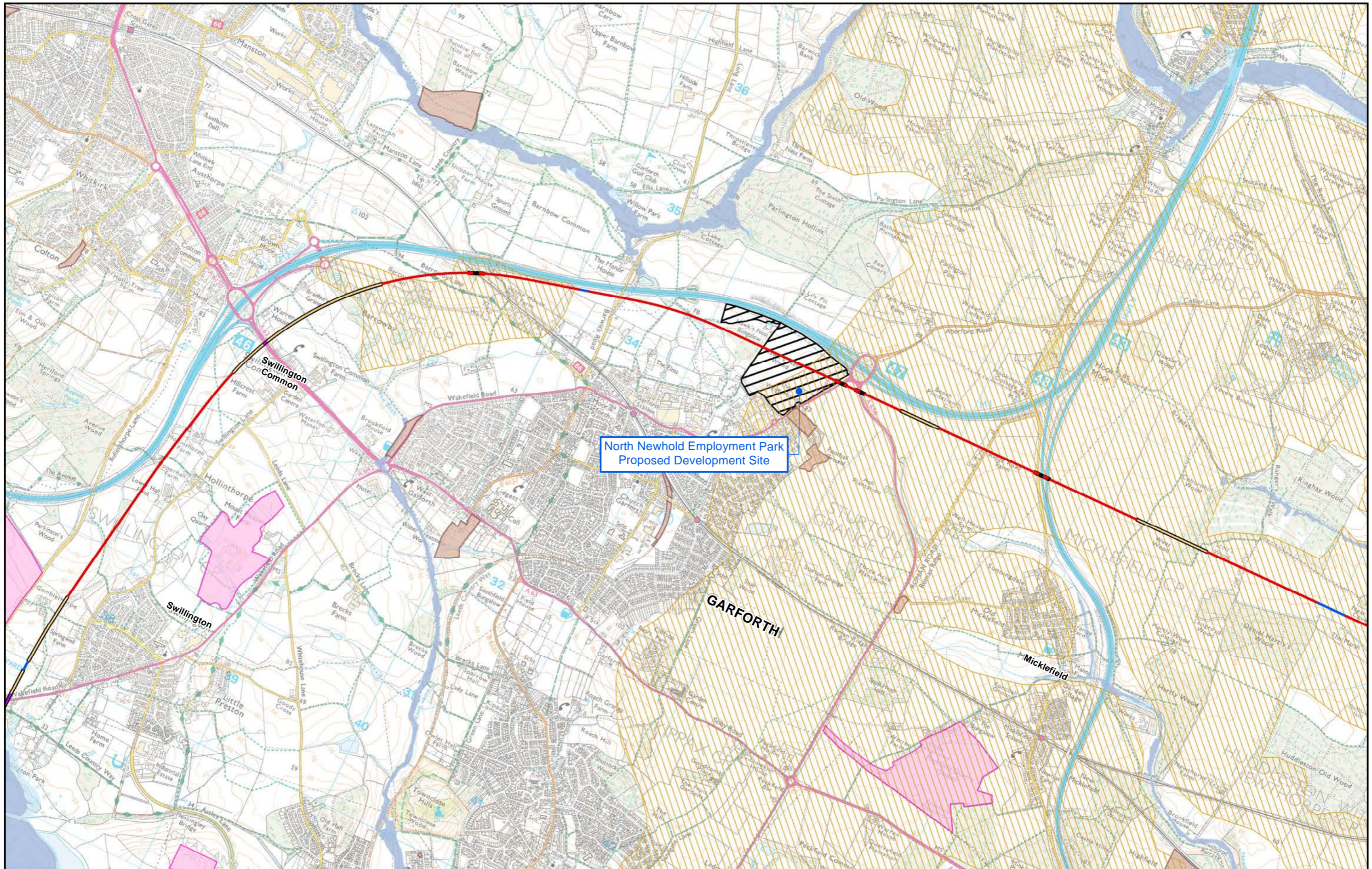
Route Name: HSL17

TEMPLE ERM

Scale at A3: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000038 Date: 05/07/13



Route Alignment

	At Grade
	Cut & Cover Tunnel
	Cutting
	Embankment
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features

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

North Newhold Employment Park
Proposed Development Site

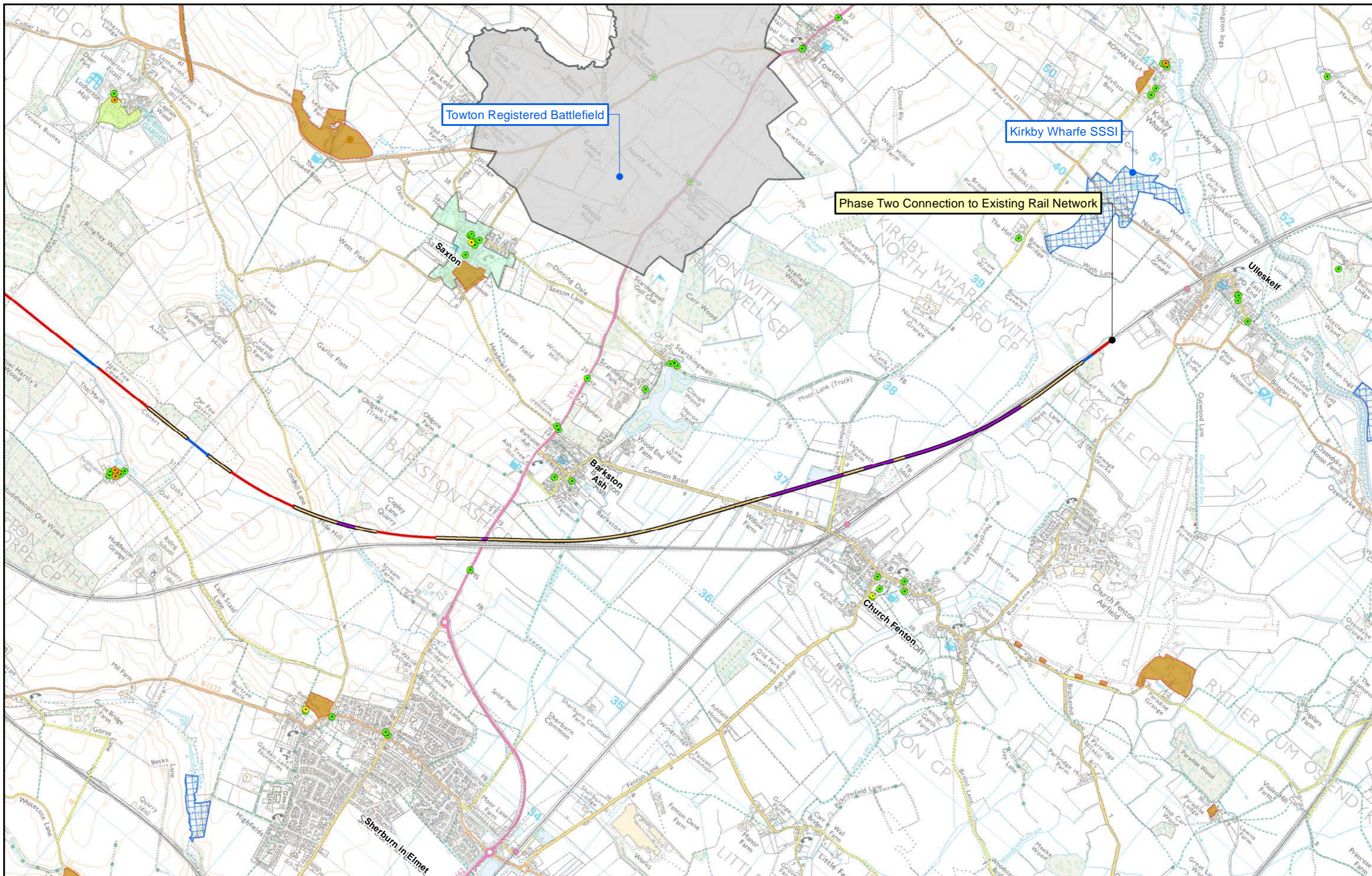
Figure Number:	EL-18-03
Figure Name:	Key Environmental Features Set 3 of 3
Route Name:	HSL17

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000058 Date: 05/07/13



Towton Registered Battlefield

Kirkby Wharfe SSSI

Phase Two Connection to Existing Rail Network

- Route Alignment**
- At Grade
 - Cut & Cover Tunnel
 - Cutting
 - Embankment
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

- 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)
 - Conservation Area
 - National Nature Reserve (NNR)
 - Registered Battlefield
 - Registered Park and Garden

Figure Number: EL-19-01
 Figure Name: Key Environmental Features Set 1 of 3
 Route Name: HSL17

Figure Number: EL-19-01
 Figure Name: Key Environmental Features Set 1 of 3
 Route Name: HSL17

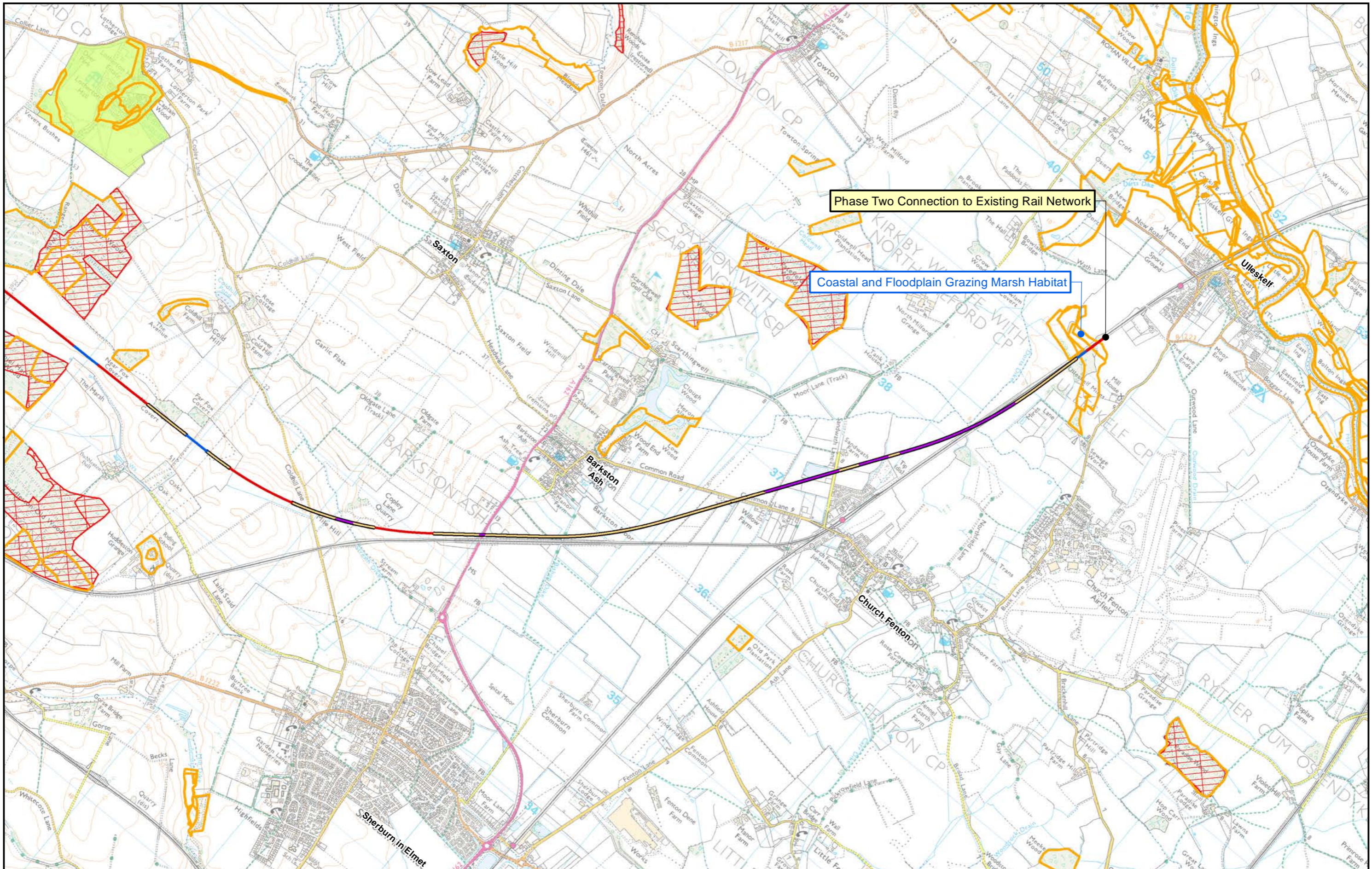
Scale at A3: 1:25,000

0 250 500 750 1,000 Metres

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.
 Map Number: LMH-TGL-EV-MAP-100-000019 Date: 03/07/13

TEMPLE ERM

Temple ERM 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.



- Route Alignment**
- At Grade
 - Cut & Cover Tunnel
 - Cutting
 - Embankment
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

- Sustainability Features**
- Ancient Woodland
 - Country Parks
 - Habitat of Principal Importance
 - Local Nature Reserve (LNR)
 - National Trail
 - National Trust Ownership

Figure Number: EL-19-02

Figure Name: **Key Environmental Features**
Set 2 of 3

Route Name: HSL17

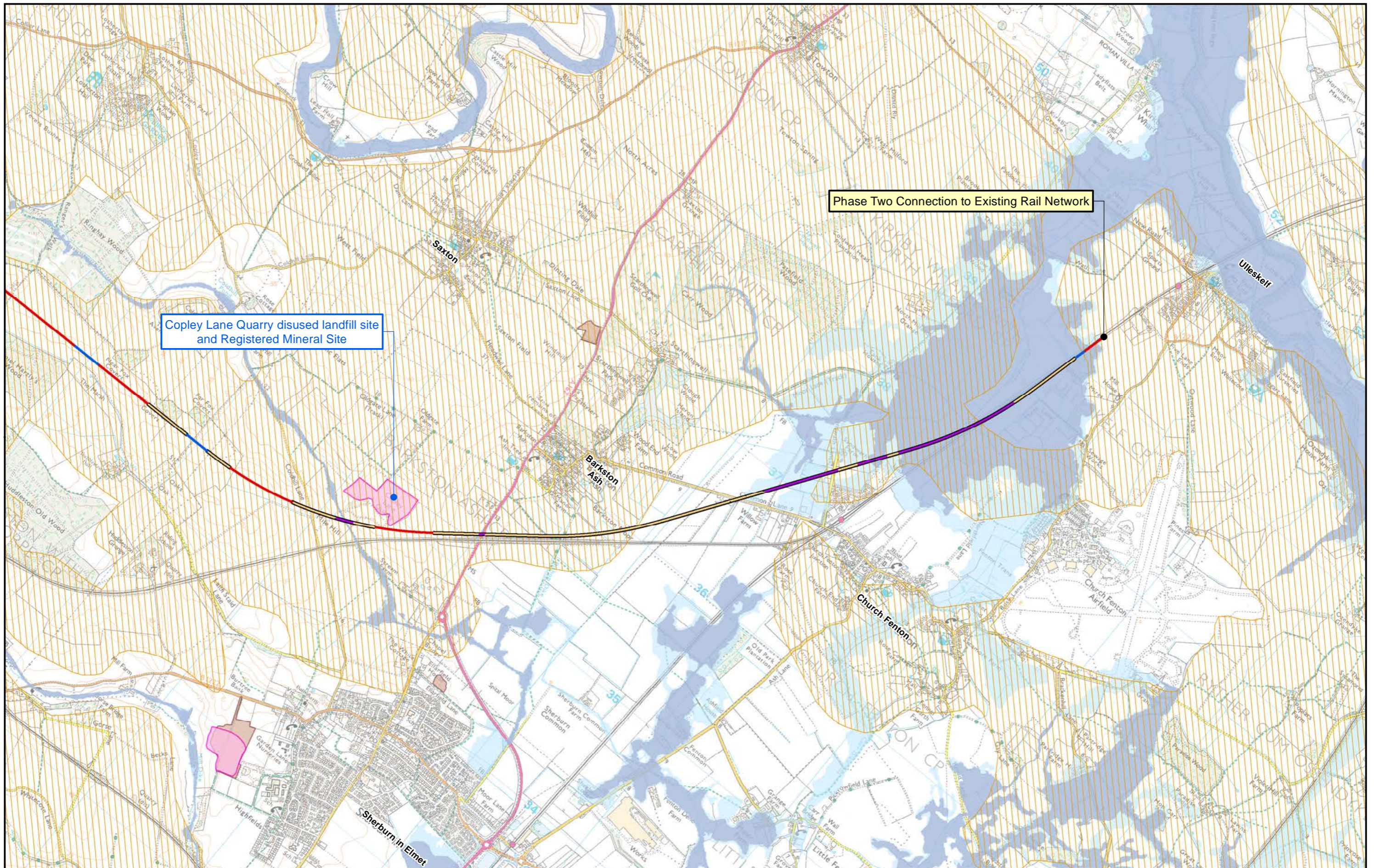
TEMPLE ERM

Temple ERM 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: 1:25,000

0 250 500 750 1,000 Metres

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.
Map Number: LMH-TGL-EV-MAP-100-000039 Date: 05/07/13



Copley Lane Quarry disused landfill site and Registered Mineral Site

Phase Two Connection to Existing Rail Network

- Route Alignment**
- At Grade
 - Cut & Cover Tunnel
 - Cutting
 - Embankment
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

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

Figure Number: EL-19-03

Figure Name: **Key Environmental Features Set 3 of 3**

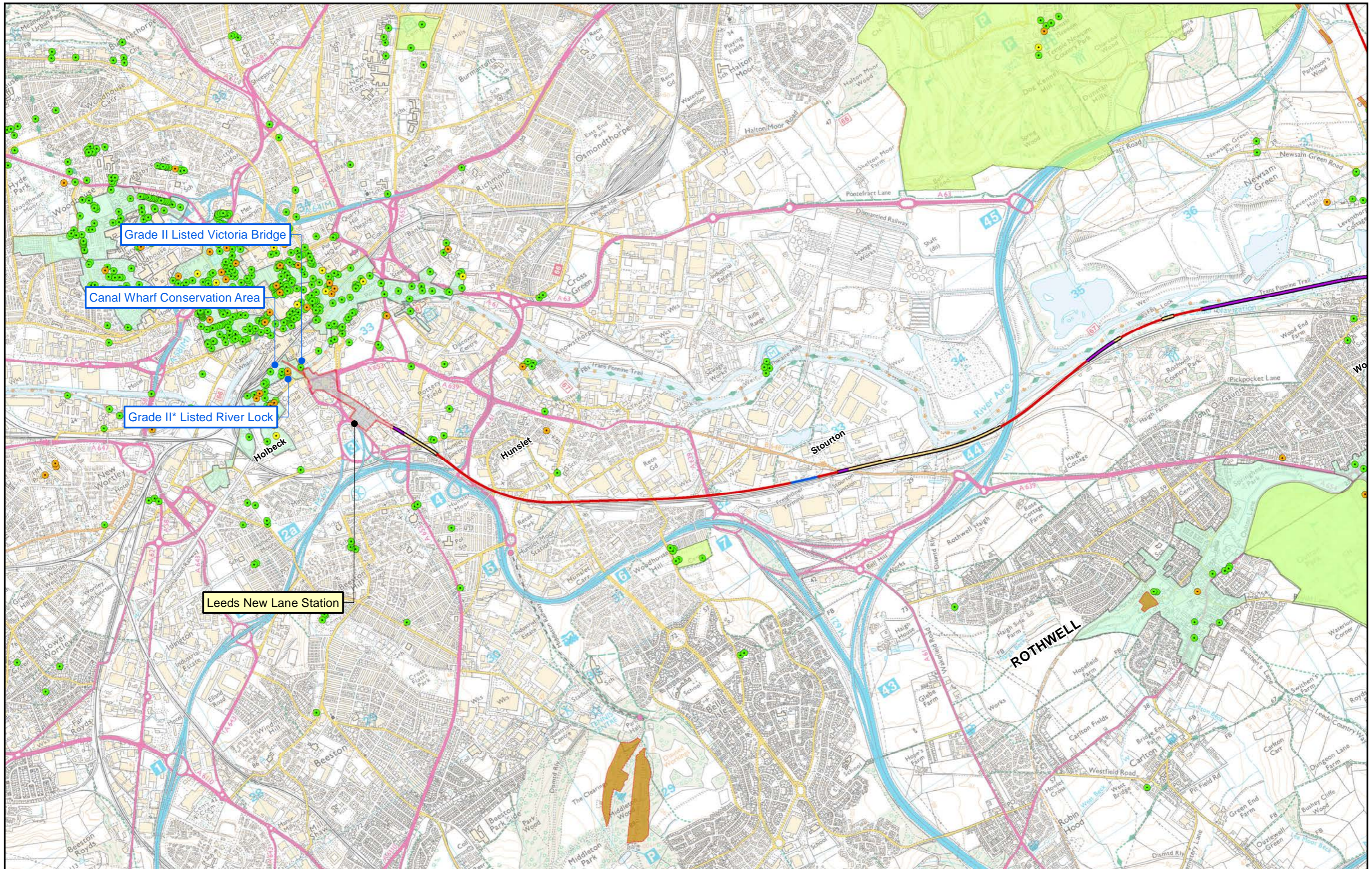
Route Name: HSL17

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000059 Date: 05/07/13



Route Alignment

	At Grade
	Cut & Cover Tunnel
	Cutting
	Embankment
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features

	Listed Building Grade I		Ramsar Site
	Listed Building Grade II*		Special Area of Conservation (SAC)
	Listed Building Grade II		Special Protection Area (SPA)
	Scheduled Monument		Site of Special Scientific Interest (SSSI)
			Conservation Area
			National Nature Reserve (NNR)
			Registered Battlefield
			Registered Park and Garden

Figure Number:	EL-20-01
Figure Name:	Key Environmental Features Set 1 of 3
Route Name:	HSL21 / HSL22 / HSL31

Temple ERM 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.

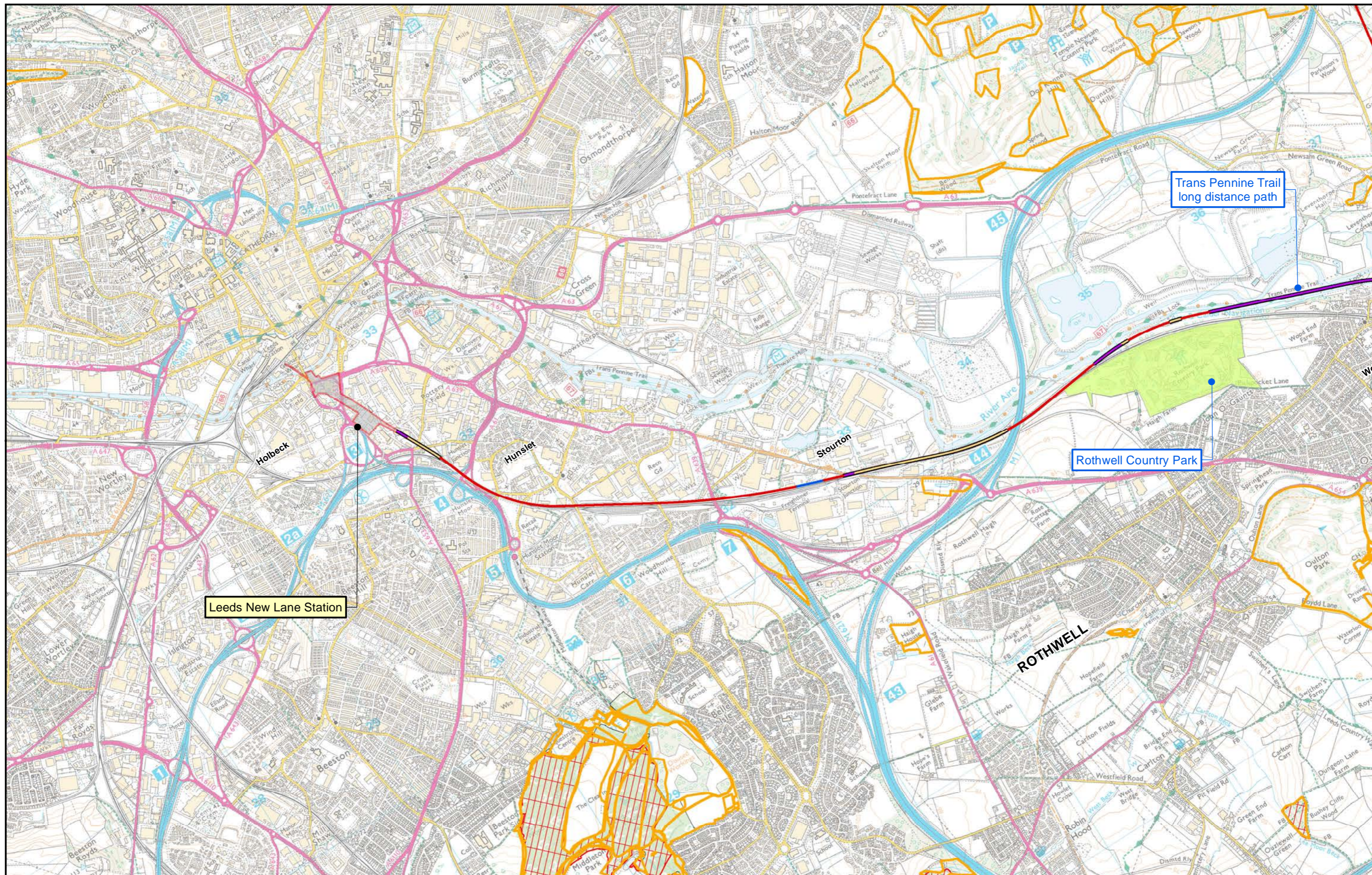
Scale at A3: 1:25,000

 0 250 500 750 1,000 Metres

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

 Map Number: LMH-TGL-EV-MAP-100-000020

 Date: 03/07/13



Trans Pennine Trail
long distance path

Rothwell Country Park

Leeds New Lane Station


- Route Alignment**
- At Grade
 - Cut & Cover Tunnel
 - Cutting
 - Embankment
 - Tunnel
 - Viaduct
 - Station or Depot Operational Boundary

- Sustainability Features**
- Ancient Woodland
 - Country Parks
 - Habitat of Principal Importance
 - Local Nature Reserve (LNR)
 - National Trail
 - National Trust Ownership

Figure Number: EL-20-02

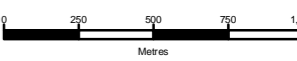
Figure Name: **Key Environmental Features Set 2 of 3**


Route Name: HSL21 / HSL22 / HSL31



© Crown copyright and database rights 2013.
Ordnance Survey Licence Number 100049190.

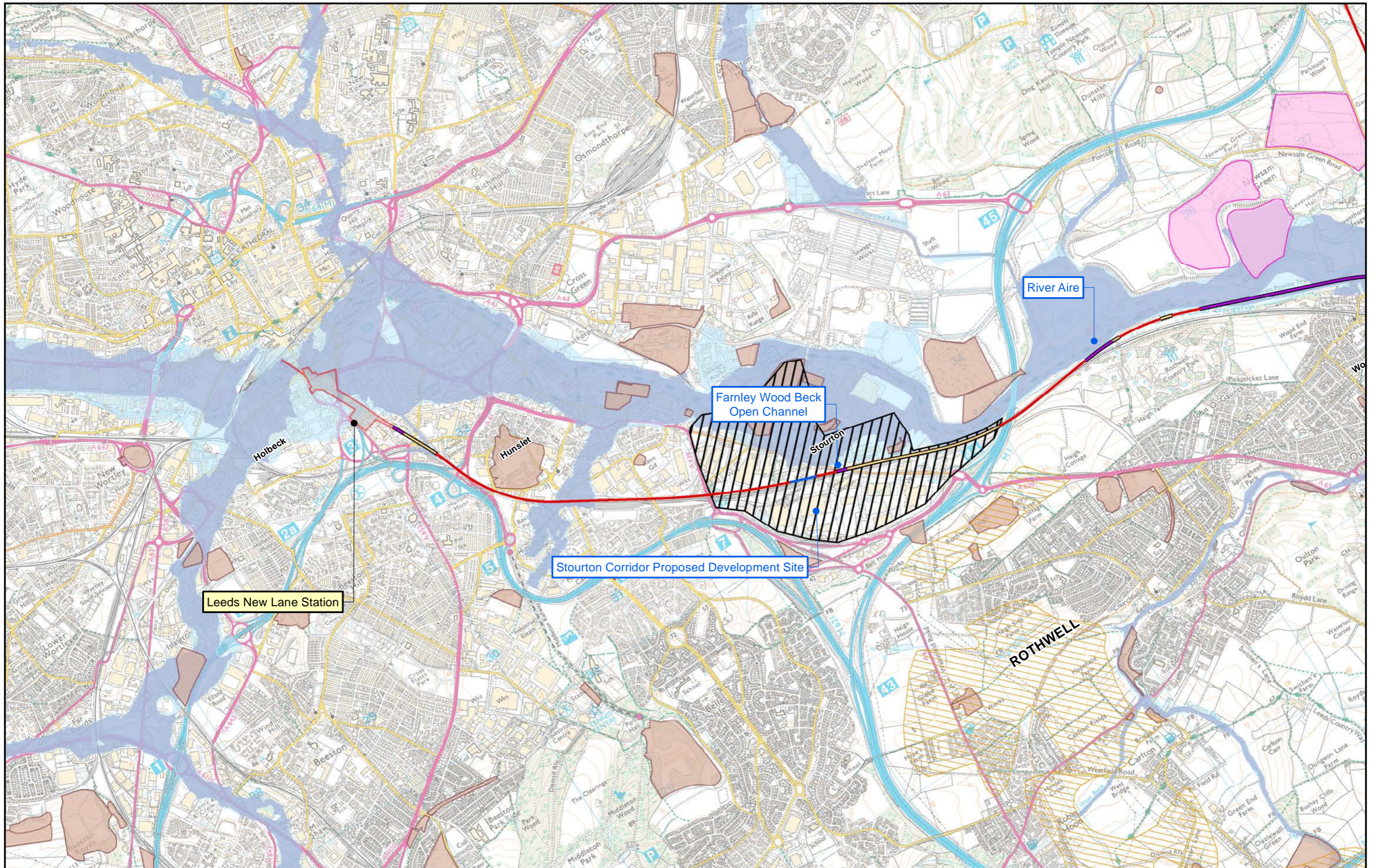
Scale at A3: 1:25,000





Temple ERM 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.

Map Number: LMH-TGL-EV-MAP-100-000040 Date: 05/07/13



Route Alignment

	At Grade
	Cut & Cover Tunnel
	Cutting
	Embankment
	Tunnel
	Viaduct
	Station or Depot Operational Boundary

Sustainability Features

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

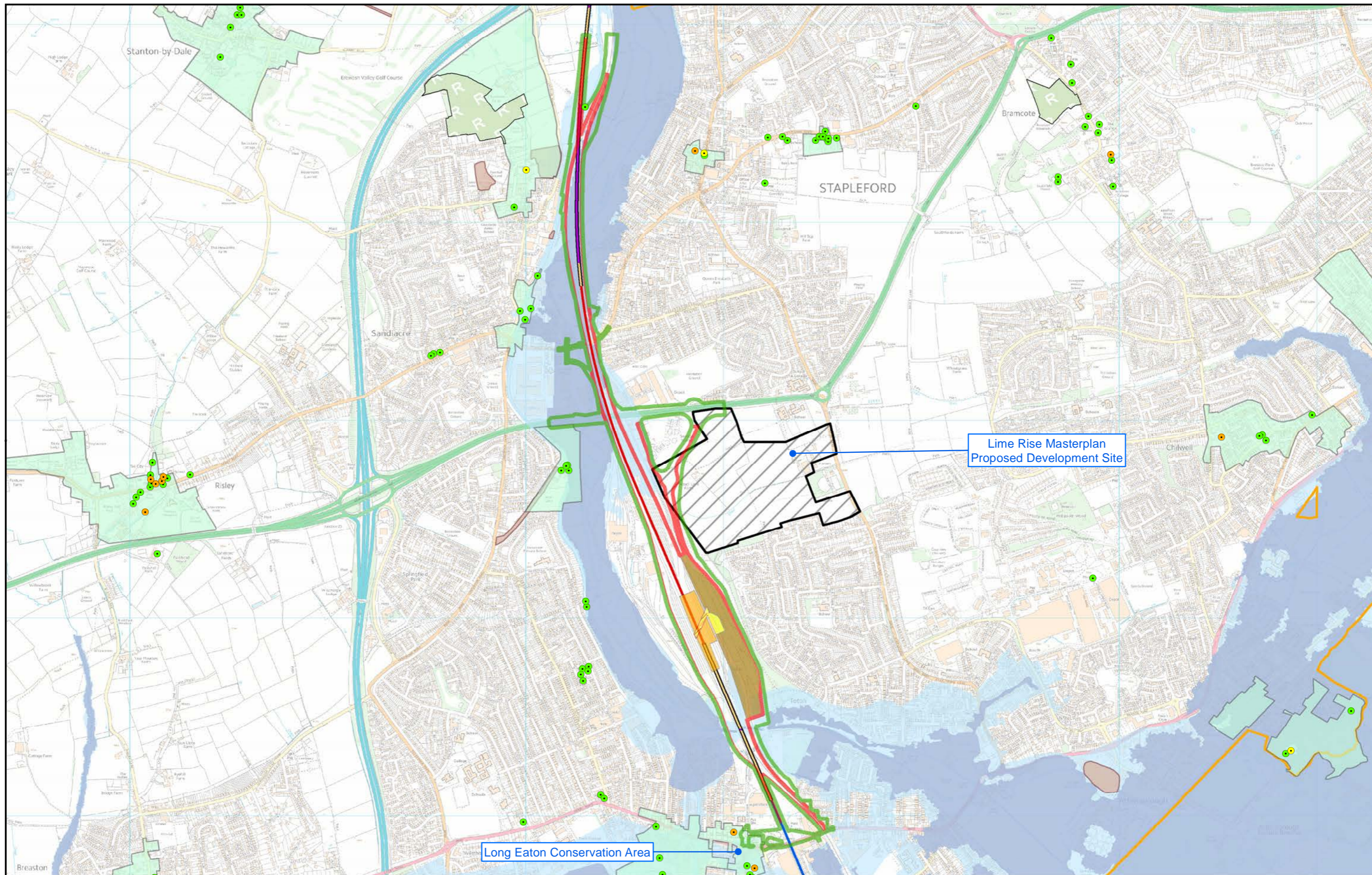
Figure Number:	EL-20-03
Figure Name:	Key Environmental Features Set 3 of 3
Route Name:	HSL21 / HSL22 / HSL31

Temple ERM 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: 1:25,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000060 Date: 05/07/13



Route Alignment	Station Classification	Sustainability Features			
Blue line: At Grade	Green line: Construction Boundary	Yellow circle: Listed Building Grade I	Orange outline: Habitat of Principal Importance	Light blue area: Flood Zone 3	
Red line: Cut & Cover Tunnel	Red line: Operational Boundary	Orange circle: Listed Building Grade II*	Pink outline: Landfill Site (Active)	Dark blue area: Flood Zone 2	
Red line: Cutting	Yellow diagonal lines: Concourse	Green circle: Listed Building Grade II	Brown outline: Landfill Site (Disused)	Black outline: Major Development Site	
Brown line: Embankment	Yellow rectangle: Car Park	Green outline: Conservation Area	Green outline: Local Nature Reserve		
Black line: Tunnel	Brown rectangle: Forecourt				
Purple line: Viaduct	Orange rectangle: Platform				

Figure Number: EL-21-04

Figure Name: Key Environmental Features East Midlands Hub Station

Route Name: Eastern Leg Stations

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000062

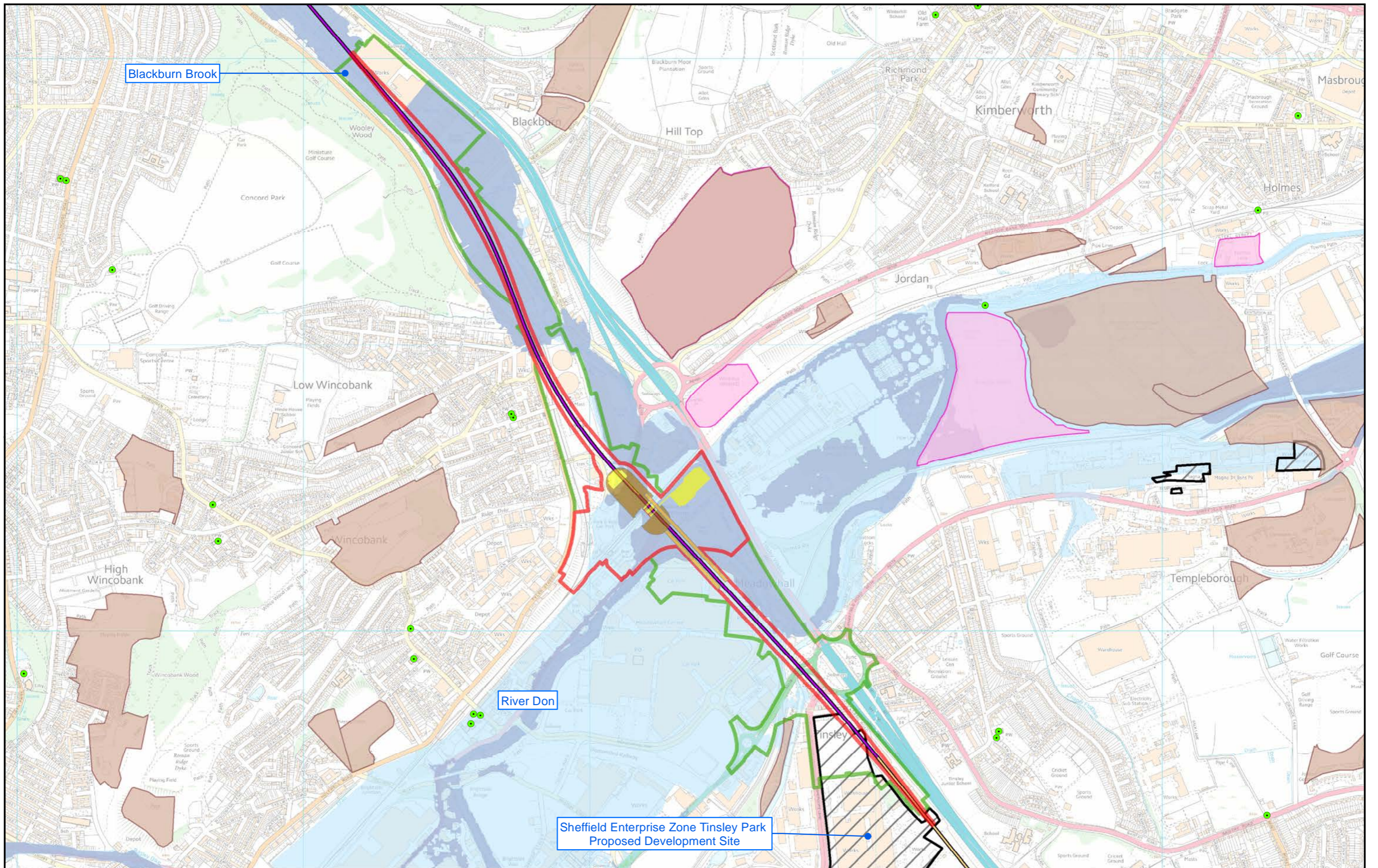
Date: 03/07/13

Scale at A3: 1:17,500

0 175 350 525 700 Metres

TEMPLE ERM

Temple ERM 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.



Route Alignment	Station Classification	Sustainability Features
At Grade	Construction Boundary	Listed Building Grade I
Cut & Cover Tunnel	Operational Boundary	Listed Building Grade II*
Cutting	Concourse	Listed Building Grade II
Embankment	Car Park	Landfill Site (Active)
Tunnel	Forecourt	Landfill Site (Disused)
Viaduct	Platform	Major Development Site
		Flood Zone 3
		Flood Zone 2

Figure Number: EL-22-04

Figure Name: Key Environmental Features Meadowhall Station

Route Name: Eastern Leg Stations

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000063

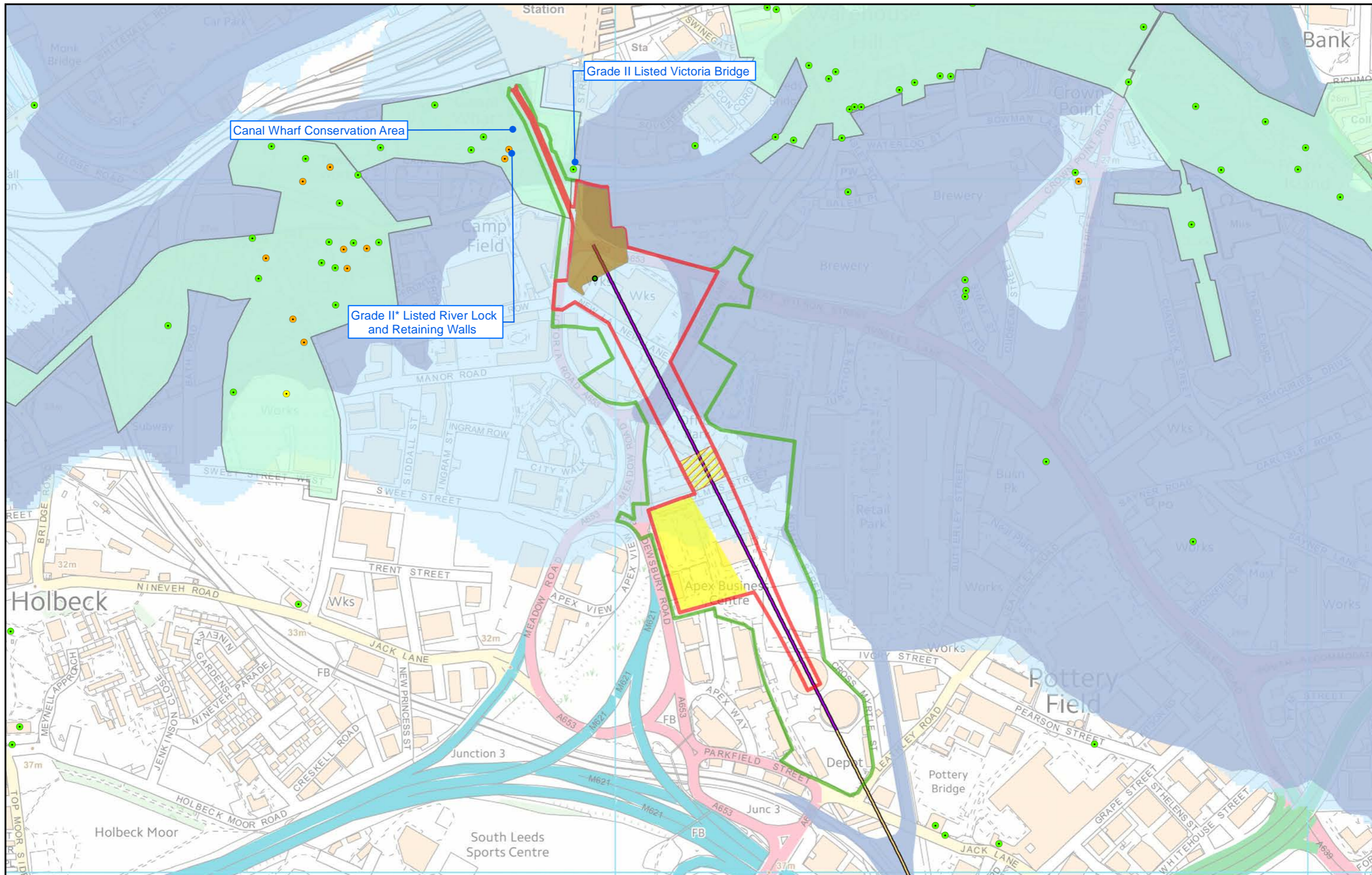
Date: 03/07/13

Scale at A3: 1:12,000

0 120 240 360 480 Metres

TEMPLE ERM

Temple ERM 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.



Route Alignment

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

Station Classification

- Construction Boundary
- Operational Boundary
- Concourse
- Car Park
- Forecourt
- Platform

Sustainability Features

- Listed Building Grade I
- Listed Building Grade II*
- Listed Building Grade II
- Conservation Area
- Flood Zone 3
- Flood Zone 2

Figure Number: EL-23-04

Figure Name: **Key Environmental Features Leeds New Lane Station**

Route Name: Eastern Leg Stations

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

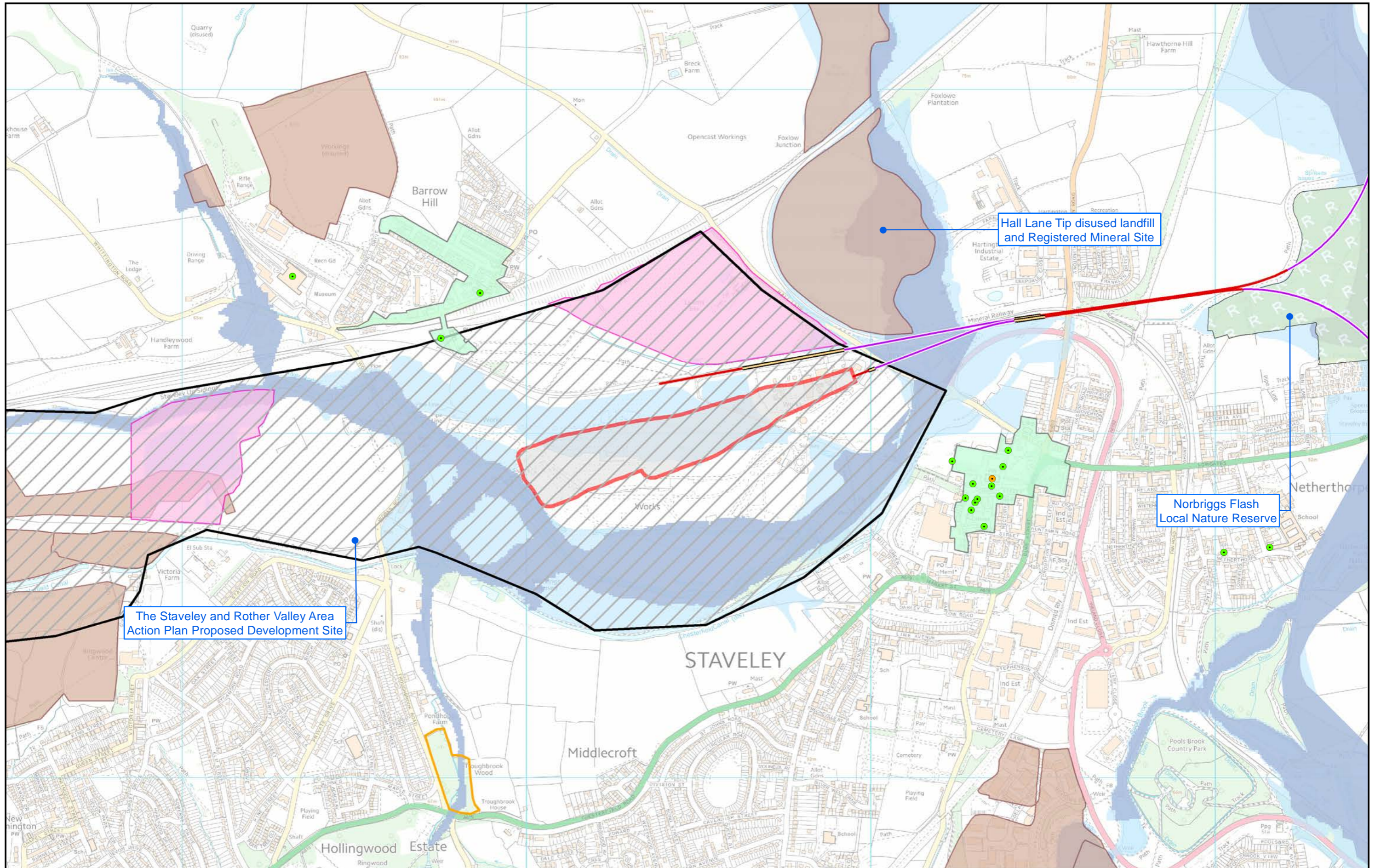
Map Number: LMH-TGL-EV-MAP-100-000061

Date: 03/07/13

Scale at A3: 1:5,000

Metres

0 50 100 150 200



The Staveley and Rother Valley Area Action Plan Proposed Development Site

Hall Lane Tip disused landfill and Registered Mineral Site

Norbriggs Flash Local Nature Reserve

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

- Depot Classification**
- Operational Boundary

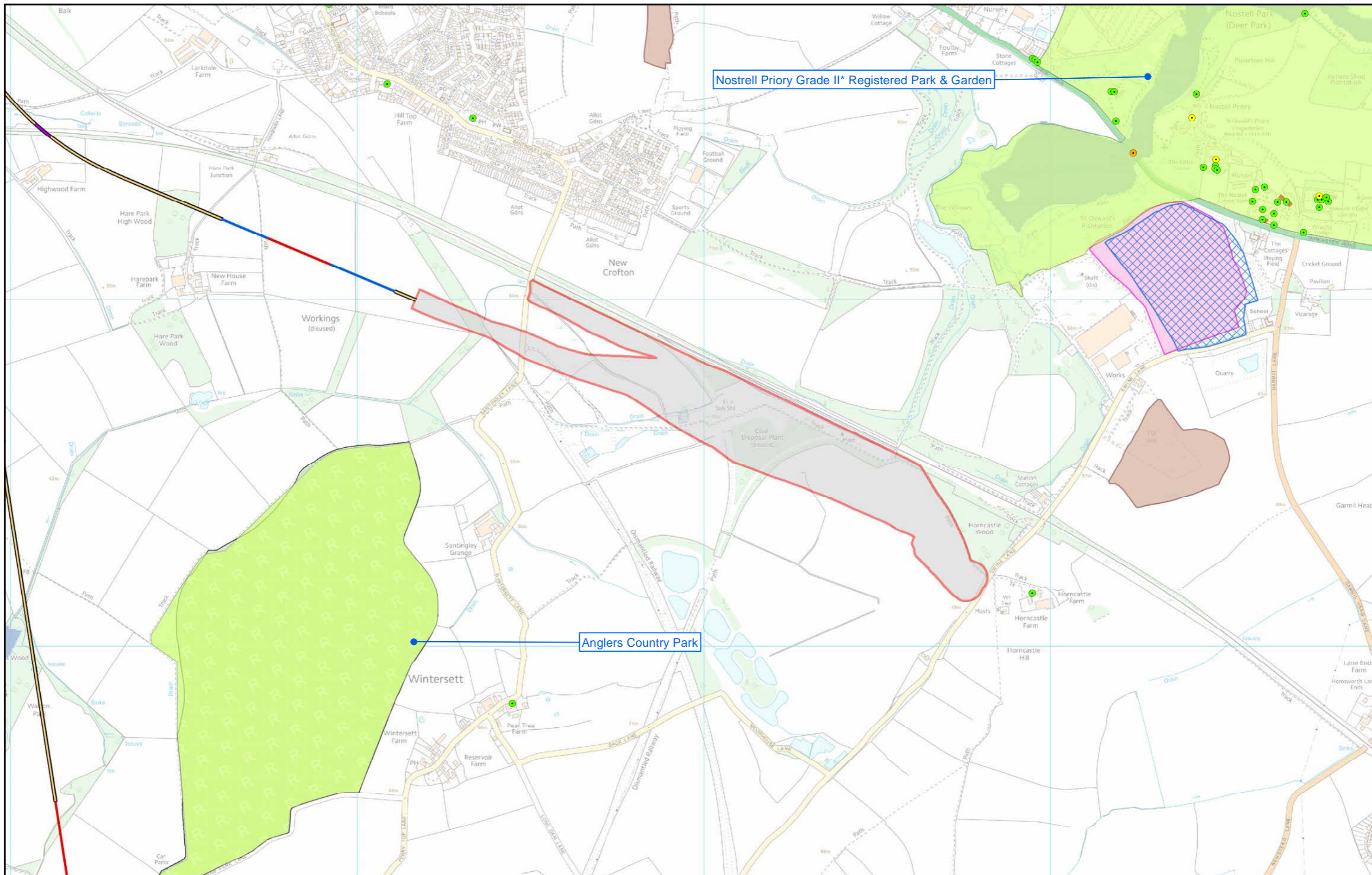
- Sustainability Features**
- Listed Building Grade I
 - Listed Building Grade II*
 - Listed Building Grade II
 - Scheduled Monument
 - Conservation Area
 - Habitat of Principal Importance
 - Landfill Site (Active)
 - Landfill Site (Disused)
 - Local Nature Reserve (LNR)
 - Flood Zone 3
 - Flood Zone 2
 - Major Development Site

Figure Number: EL-24-04
 Figure Name: Key Environmental Features Staveley Infrastructure Maintenance Depot
 Route Name: Eastern Leg Depots

TEMPLE ERM

Scale at A3: 1:10,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.
 Map Number: LMH-TGL-EV-MAP-100-000064 Date: 03/07/13



Nostrell Priory Grade II* Registered Park & Garden

Anglers Country Park

Route Alignment

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

Depot Classification

- Operational Boundary

Sustainability Features

- Listed Building Grade I
- Listed Building Grade II*
- Listed Building Grade II
- Conservation Area
- Scheduled Monument
- Country Park
- Habitat of Principal Importance
- Local Nature Reserve (LNR)
- Registered Park or Garden
- Site of Special Scientific Interest (SSSI)
- Flood Zone 3
- Flood Zone 2
- Landfill Site (Active)
- Landfill Site (Disused)
- Major Development Site

Figure Number:

EL-25-04

Figure Name:

**Key Environmental Features
New Crofton Rolling Stock Depot**

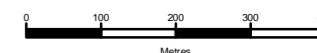
Route Name:

Eastern Leg Depots



Temple ERM 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: 1:10,000



© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000065

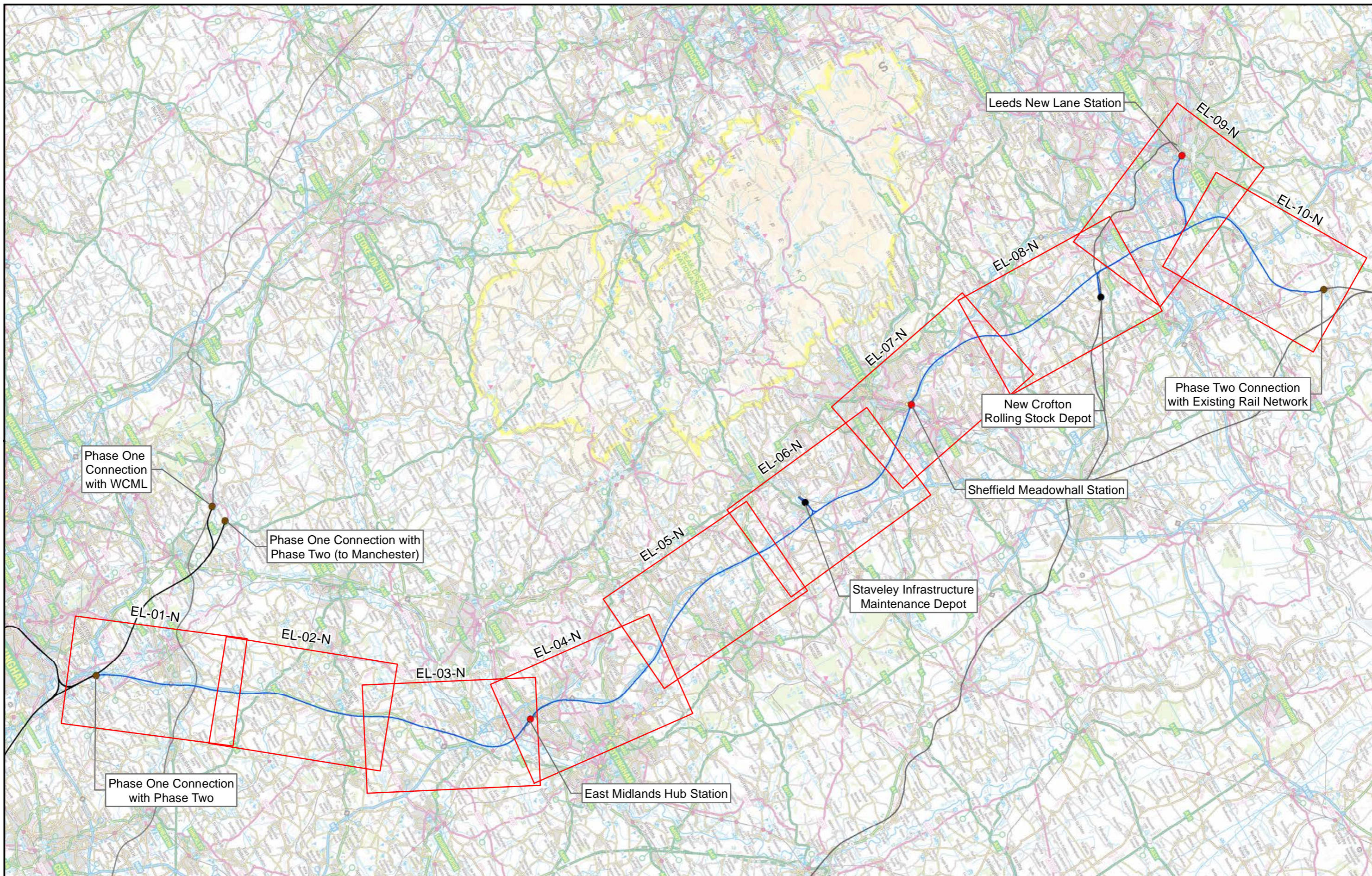
Date: 03/07/13



Eastern Leg - Leeds

Residential Airborne Noise Mapping

Set 1 to 2: without and with additional mitigation





- Route Alignment**
- Eastern Leg proposed route
 - Connection
 - Depot
 - Station
 - ECML / WCML
 - HS2 Phase One
 - Map Windows


Figure Number: EL-01-INDEX-NOISE

Figure Name: Residential Airborne Noise Appraisal Proposed Route Map Index Overview

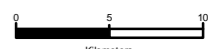
Route Name: Eastern Leg

Temple ERM 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.



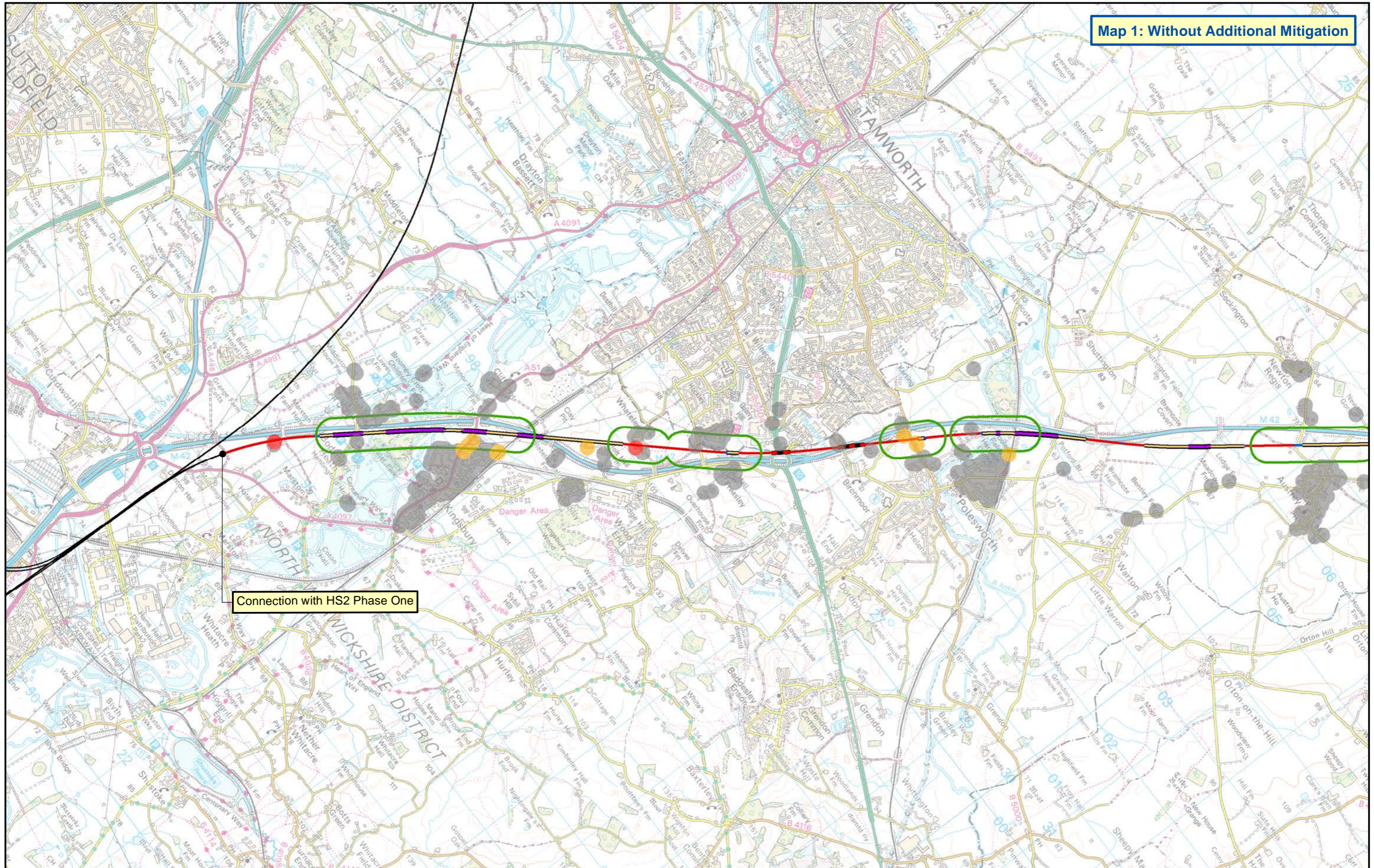
Scale at A3: 1:400,000



© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000089 Date: 05/07/13

Map 1: Without Additional Mitigation



- | | | |
|------------------------|-------------------------------------|--|
| Route Alignment | Eastern Leg Station or Depot | Without Additional Mitigation, Areas Where Dwellings: |
| At Grade | Operational Boundary | Potentially Experience High Noise Levels |
| Cut & Cover Tunnel | | Are Potentially Eligible for Noise Insulation |
| Cutting | | Potentially Experience a Noticeable Noise Increase |
| Embankment | | |
| Tunnel | | |
| Viaduct | | |

Preliminary Candidate Areas for Mitigation

Figure Number: EL-01-01-N
 Figure Name: Residential Airborne Noise Appraisal Proposed Route Without Additional Mitigation
 Route Name: HSL01 / 06

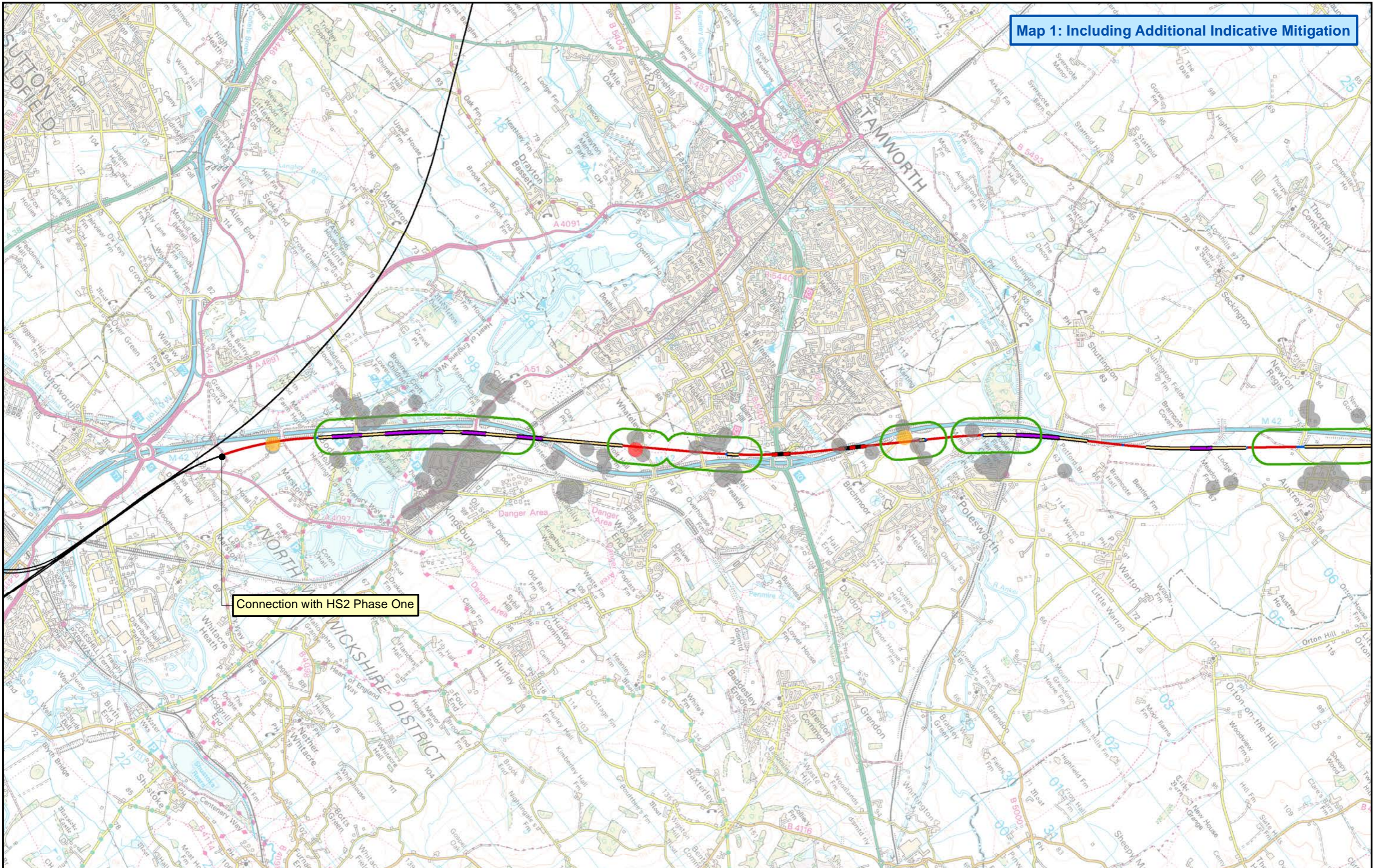
Temple ERM accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

Scale at A3: 1:50,000

Kilometers

© Crown copyright and database rights 2013.
 Ordnance Survey Licence Number 100049190.
 Map Number: LMH-TGL-EV-MAP-100-000079
 Date: 05/07/13

Map 1: Including Additional Indicative Mitigation



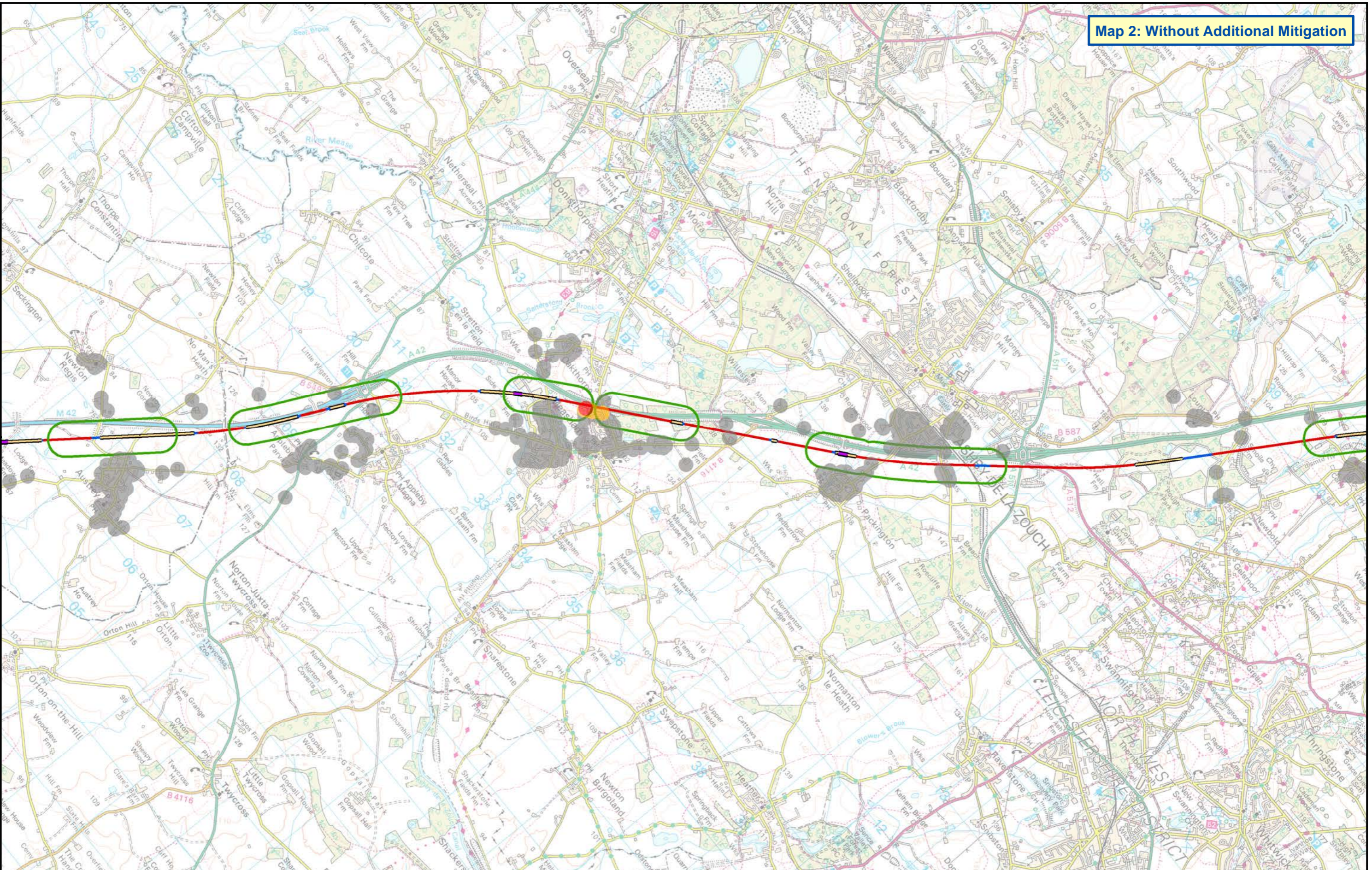
Connection with HS2 Phase One

<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut & 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 Areas for Mitigation</p>
---	--	---	--

Figure Number:	EL-01-02-N
Figure Name:	Residential Airborne Noise Appraisal Proposed Route Including Additional Indicative Mitigation
Route Name:	HSL01 / 06

	<p>Temple ERM 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 2013. Ordnance Survey Licence Number 100049190.</p>	<p>Map Number: LMH-TGL-EV-MAP-100-000069 Date: 05/07/13</p>

Map 2: Without Additional Mitigation



Route Alignment	Eastern Leg Station or Depot	Without Additional Mitigation, Areas Where Dwellings:	Preliminary Candidate Areas for Mitigation
<ul style="list-style-type: none"> — At Grade — Cut & Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<ul style="list-style-type: none"> Operational Boundary 	<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 Areas for Mitigation

Figure Number: EL-02-01-N

Figure Name: Residential Airborne Noise Appraisal Proposed Route Without Additional Mitigation

Route Name: HSL06

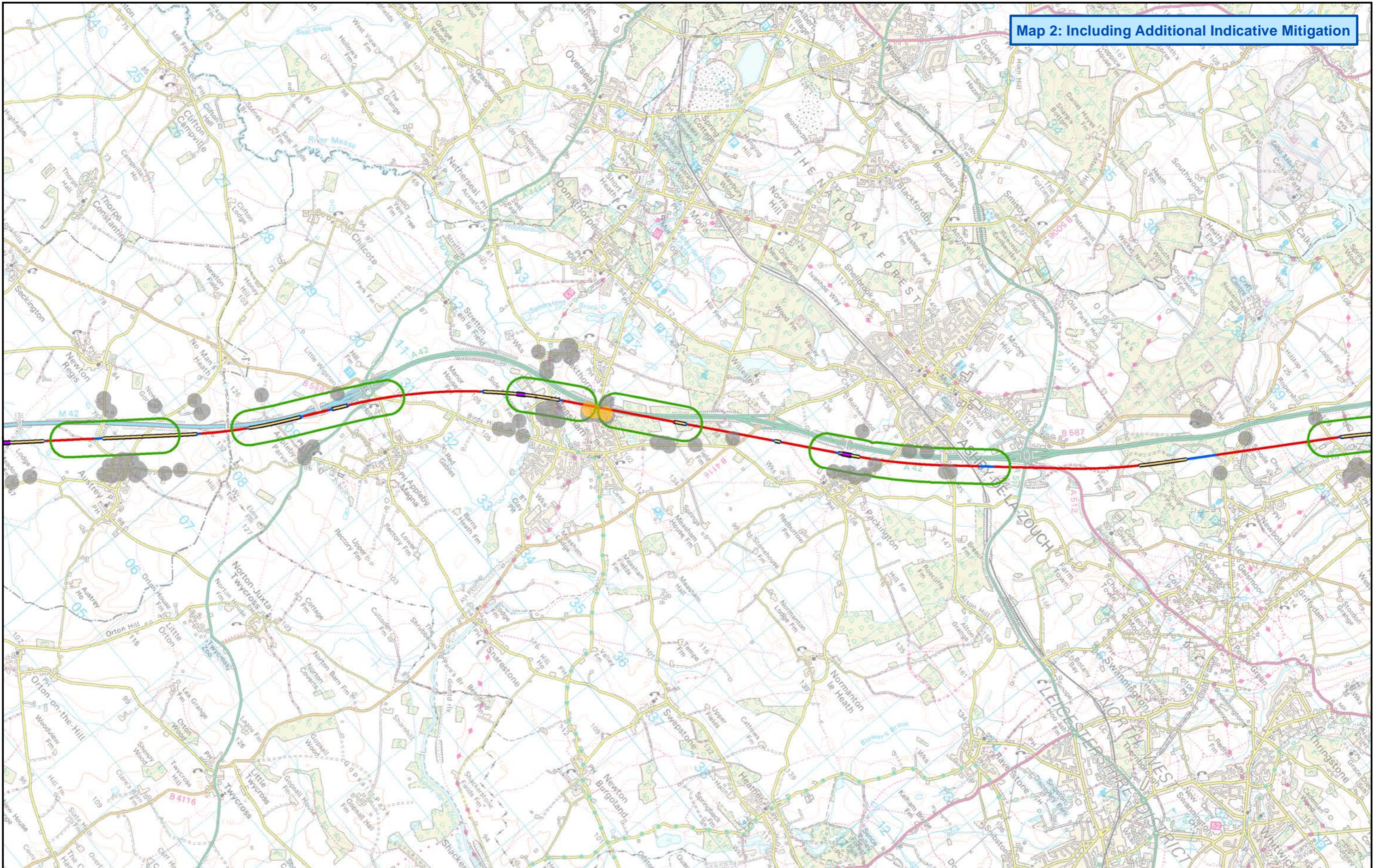
Temple ERM accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

Scale at A3: 1:50,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000080 Date: 05/07/13

Map 2: Including Additional Indicative Mitigation



Route Alignment	Eastern Leg Station or Depot	Including Additional Indicative Mitigation, Areas Where Dwellings:	Preliminary Candidate Areas for Mitigation
<ul style="list-style-type: none"> — At Grade — Cut & Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<ul style="list-style-type: none"> Operational Boundary 	<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 Areas for Mitigation

Figure Number: EL-02-02-N

Figure Name: Residential Airborne Noise Appraisal Proposed Route Including Additional Indicative Mitigation

Route Name: HSL06

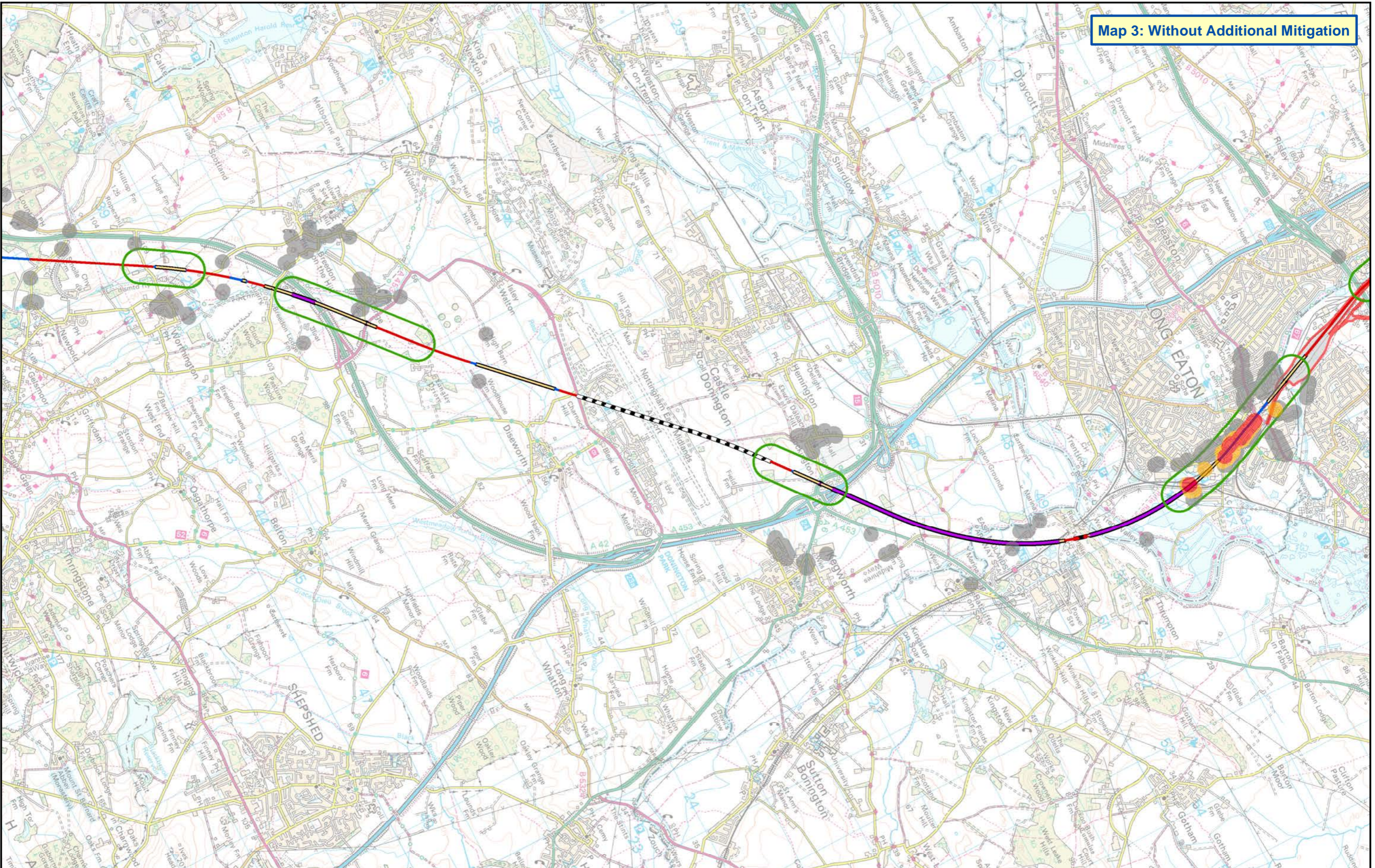
Temple ERM accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

Scale at A3: 1:50,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000070 Date: 05/07/13

Map 3: Without Additional Mitigation



<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut & Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Eastern Leg Station or Depot</p> <ul style="list-style-type: none"> Operational Boundary 	<p>Without Additional 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 Areas for Mitigation</p>
--	--	--	--

Figure Number: EL-03-01-N

Figure Name: Residential Airborne Noise Appraisal Proposed Route Without Additional Mitigation

Route Name: HSL06 / 09 / 12

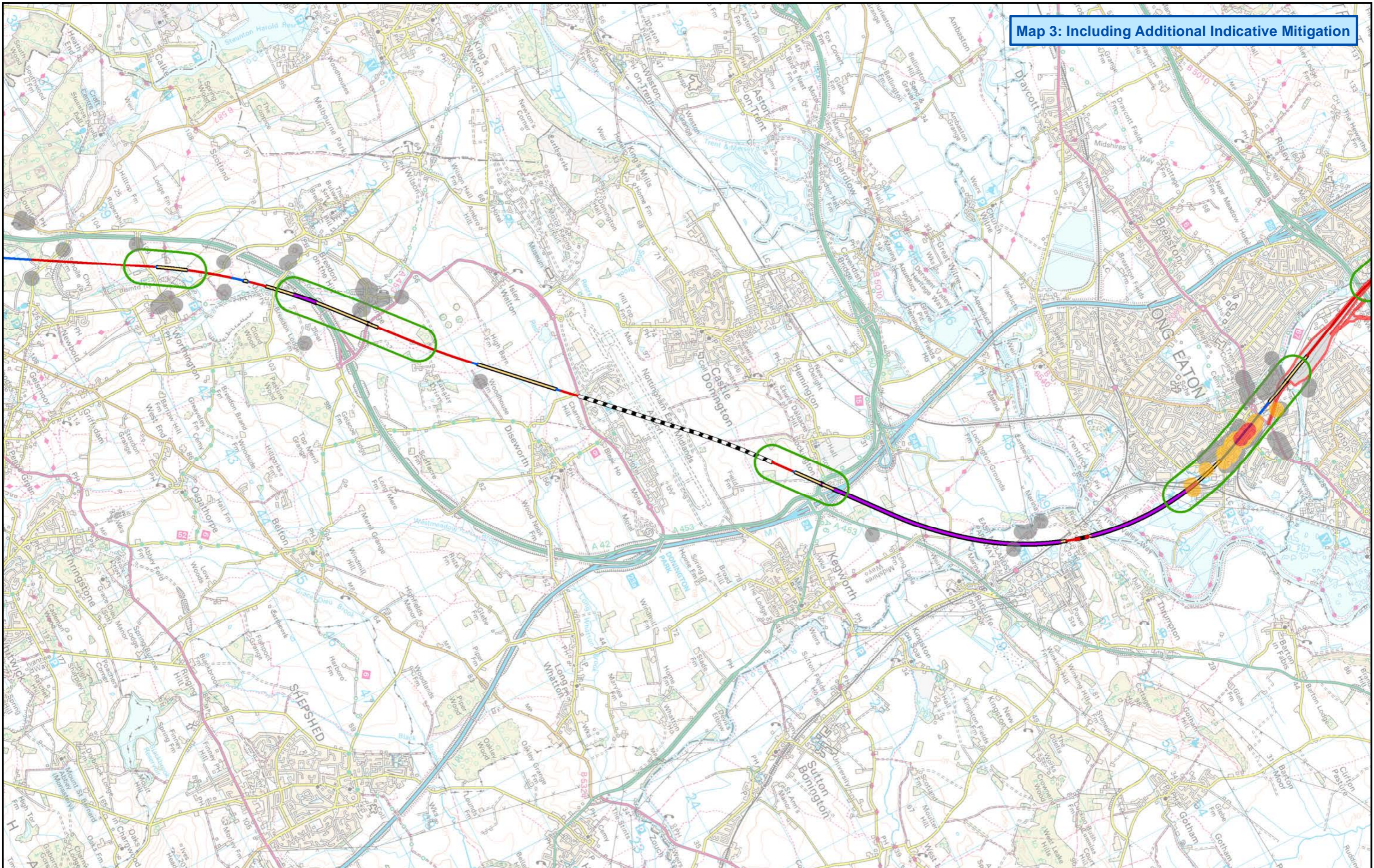
Temple ERM accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

Scale at A3: 1:50,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000081 Date: 05/07/13

Map 3: Including Additional Indicative Mitigation



Route Alignment	Eastern Leg Station or Depot	Including Additional Indicative Mitigation, Areas Where Dwellings:	Preliminary Candidate Areas for Mitigation
— At Grade	Operational Boundary	● Potentially Experience High Noise Levels	
— Cut & Cover Tunnel		● Are Potentially Eligible for Noise Insulation	
— Cutting		● Potentially Experience a Noticeable Noise Increase	
— Embankment			
— Tunnel			
— Viaduct			

Figure Number: EL-03-02-N

Figure Name: Residential Airborne Noise Appraisal Proposed Route Including Additional Indicative Mitigation

Route Name: HSL06 / 09 / 12

TEMPLE ERM

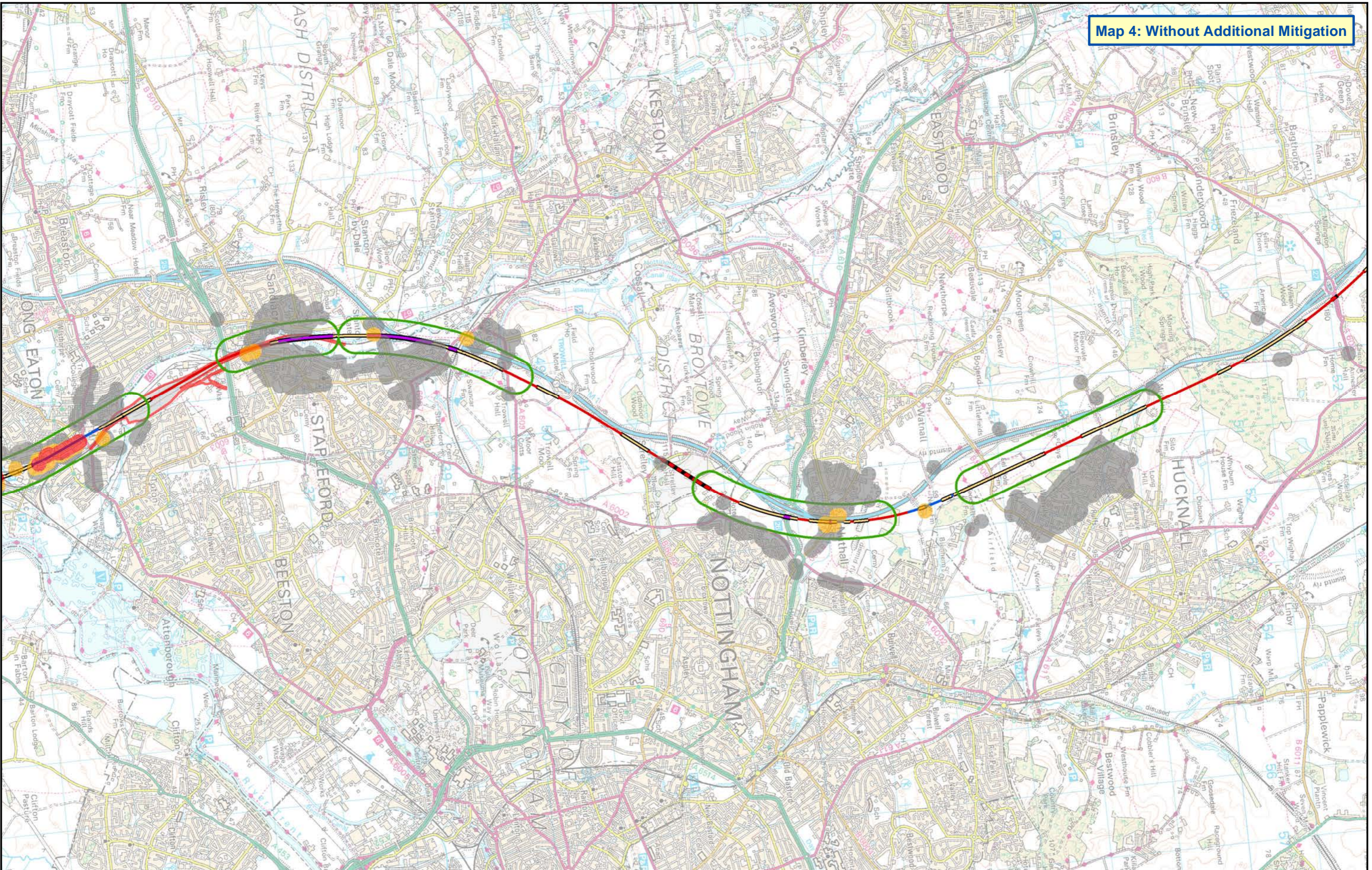
Scale at A3: 1:50,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000071

Date: 05/07/13

Map 4: Without Additional Mitigation



Route Alignment

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

Eastern Leg Station or Depot

- Operational Boundary

Without Additional Mitigation, Areas Where Dwellings:

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

Preliminary Candidate Areas for Mitigation

Figure Number: **EL-04-01-N**

Figure Name: **Residential Airborne Noise Appraisal Proposed Route Without Additional Mitigation**

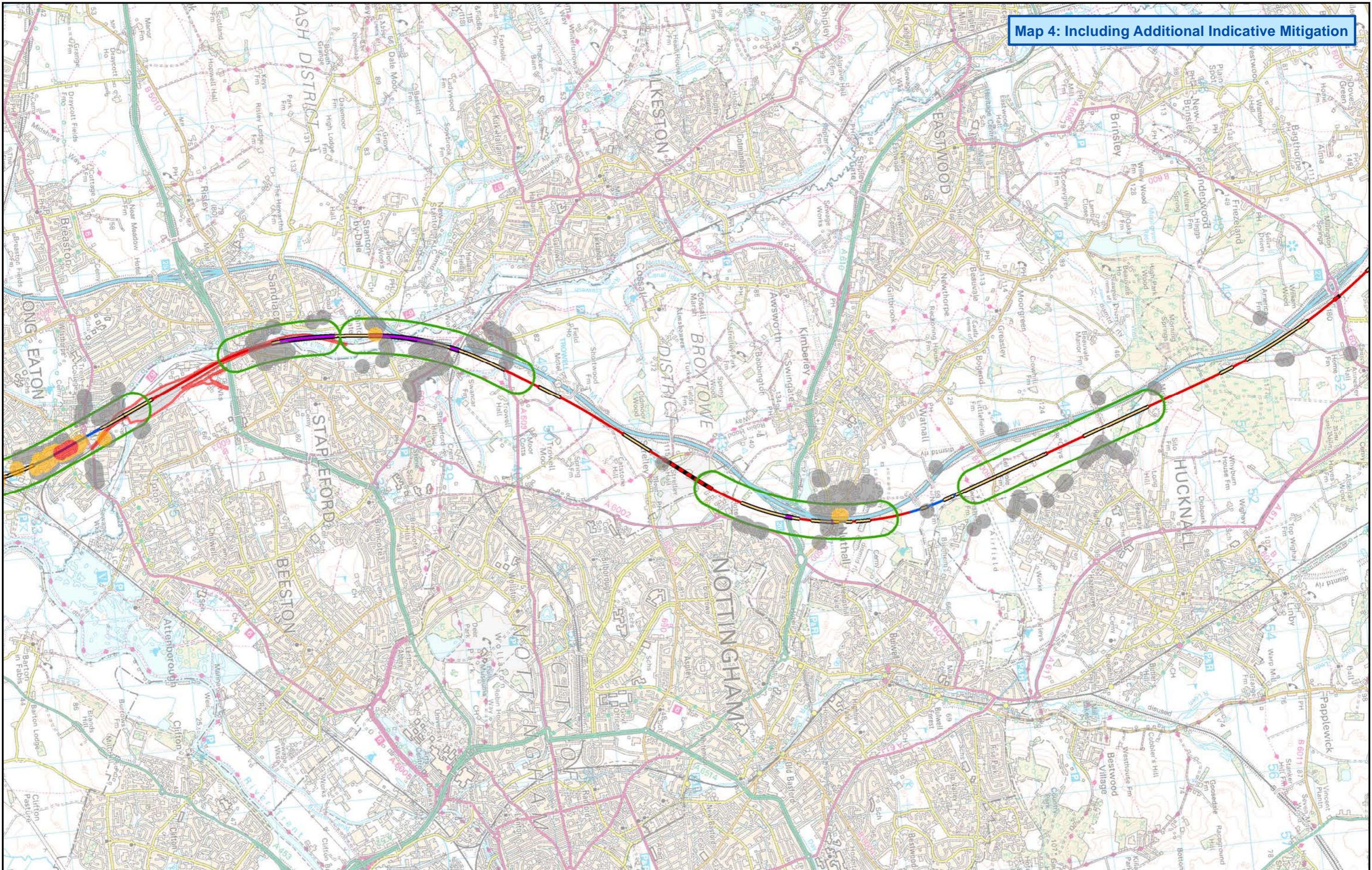
Route Name: **HSL09 / 12 / 13**

© Crown copyright and database rights 2013.
Ordnance Survey Licence Number 100049190.

Scale at A3: 1:50,000

Map Number: LMH-TGL-EV-MAP-100-000082 Date: 05/07/13

Map 4: Including Additional Indicative Mitigation



Route Alignment	Eastern Leg Station or Depot	Including Additional Indicative Mitigation, Areas Where Dwellings:	Preliminary Candidate Areas for Mitigation
<ul style="list-style-type: none"> At Grade Cut & Cover Tunnel Cutting Embankment Tunnel Viaduct 	<ul style="list-style-type: none"> Operational Boundary 	<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 Areas for Mitigation

Figure Number: EL-04-02-N

Figure Name: Residential Airborne Noise Appraisal Proposed Route Including Additional Indicative Mitigation

Route Name: HSL09 / 12 / 13

Figure Number: EL-04-02-N

Figure Name: Residential Airborne Noise Appraisal Proposed Route Including Additional Indicative Mitigation

Route Name: HSL09 / 12 / 13

Scale at A3: 1:50,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

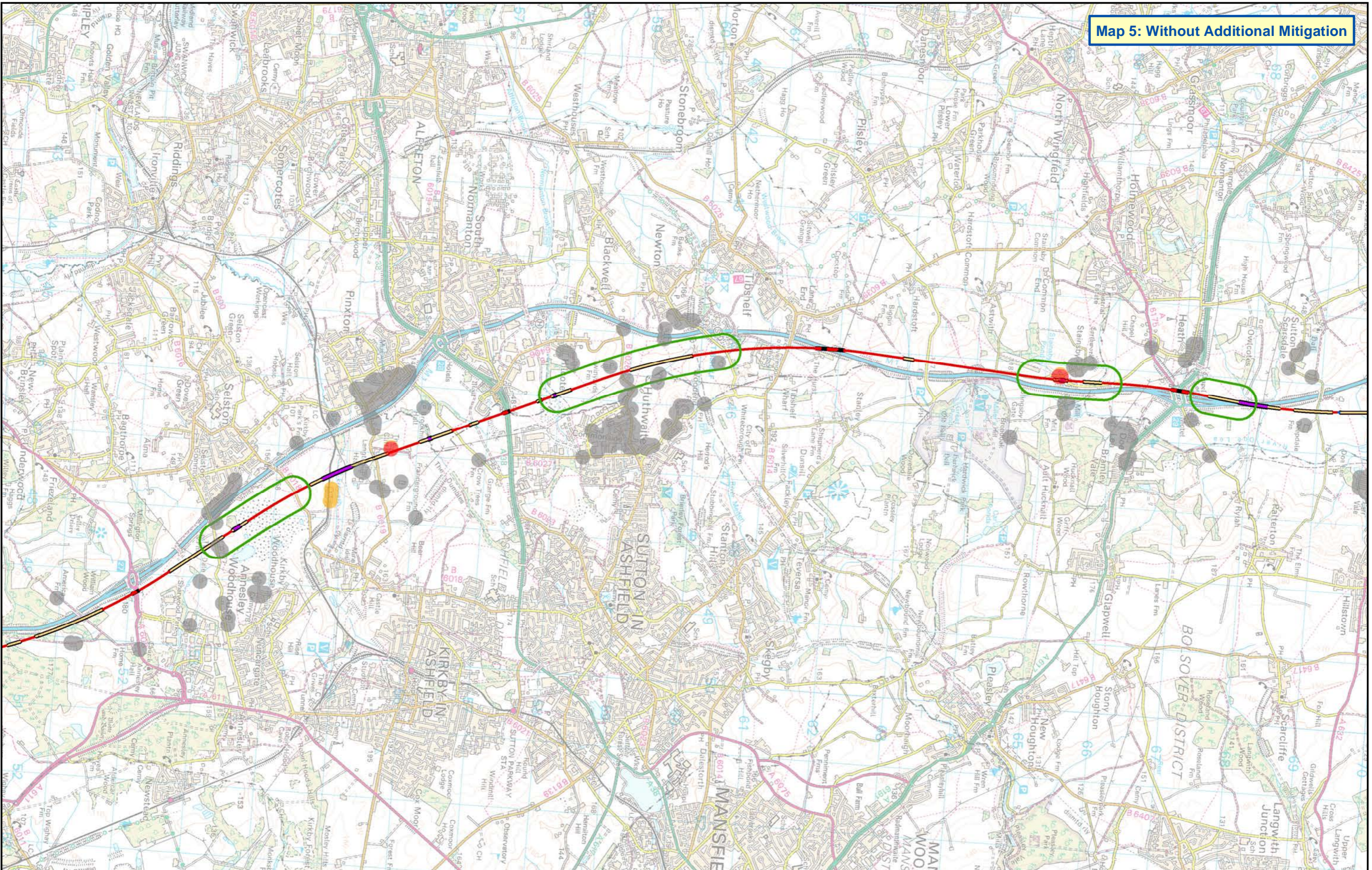
Map Number: LMH-TGL-EV-MAP-100-000072

Date: 05/07/13

TEMPLE ERM

Temple ERM 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.

Map 5: Without Additional Mitigation



Route Alignment	Eastern Leg Station or Depot	Without Additional Mitigation, Areas Where Dwellings:	Preliminary Candidate Areas for Mitigation
<ul style="list-style-type: none"> — At Grade — Cut & Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<ul style="list-style-type: none"> Operational Boundary 	<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 Areas for Mitigation

Figure Number: **EL-05-01-N**

Figure Name: **Residential Airborne Noise Appraisal Proposed Route Without Additional Mitigation**

Route Name: **HSL13**

Temple ERM 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.

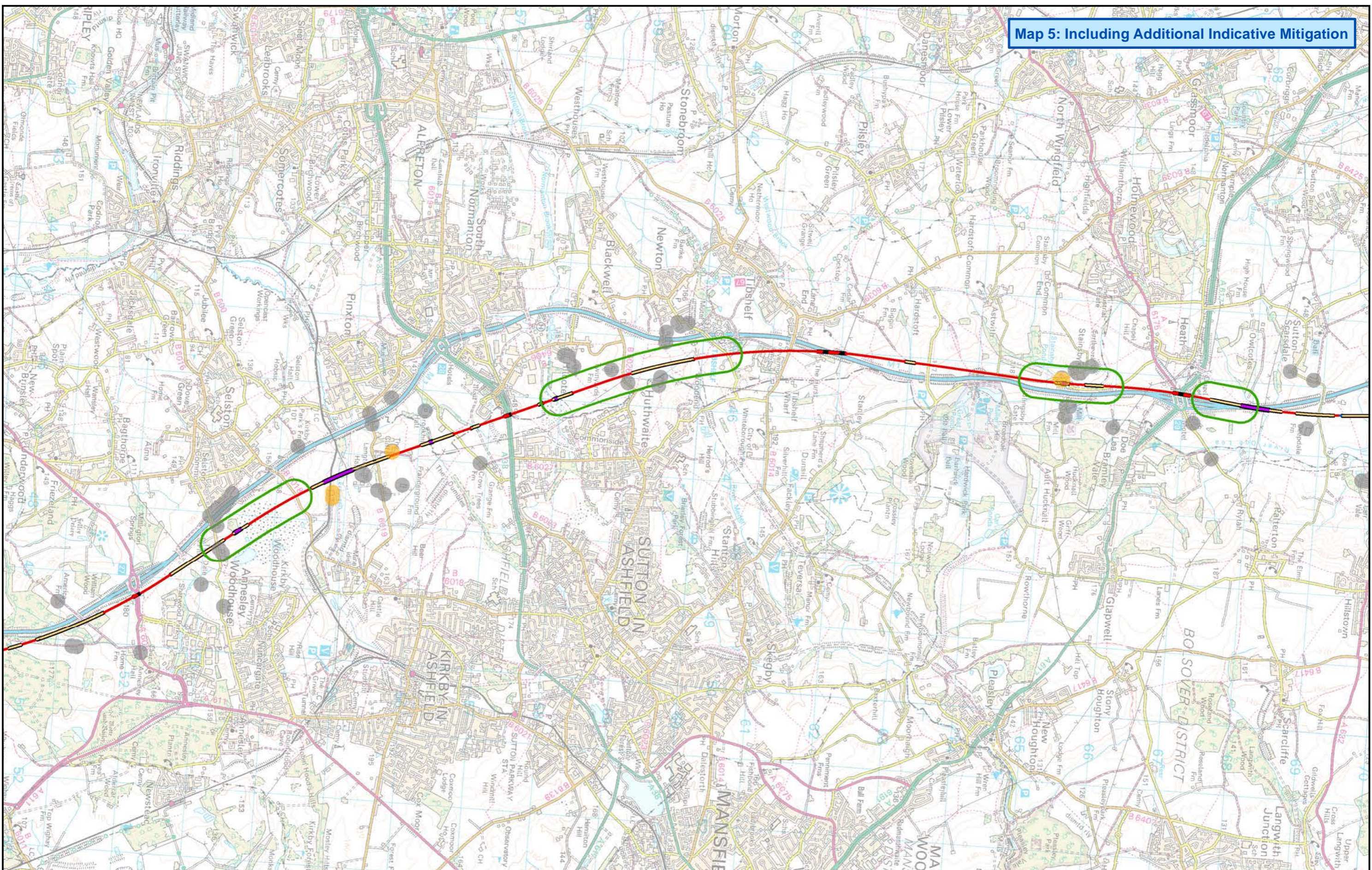
Scale at A3: 1:50,000

Kilometers

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000083
Date: 05/07/13

Map 5: Including Additional Indicative Mitigation



Route Alignment	Eastern Leg Station or Depot	Including Additional Indicative Mitigation, Areas Where Dwellings:	Preliminary Candidate Areas for Mitigation
<ul style="list-style-type: none"> — At Grade — Cut & Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<ul style="list-style-type: none"> Operational Boundary 	<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 Areas for Mitigation

Figure Number: EL-05-02-N

Figure Name: Residential Airborne Noise Appraisal Proposed Route Including Additional Indicative Mitigation

Route Name: HSL13

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000073

Date: 05/07/13

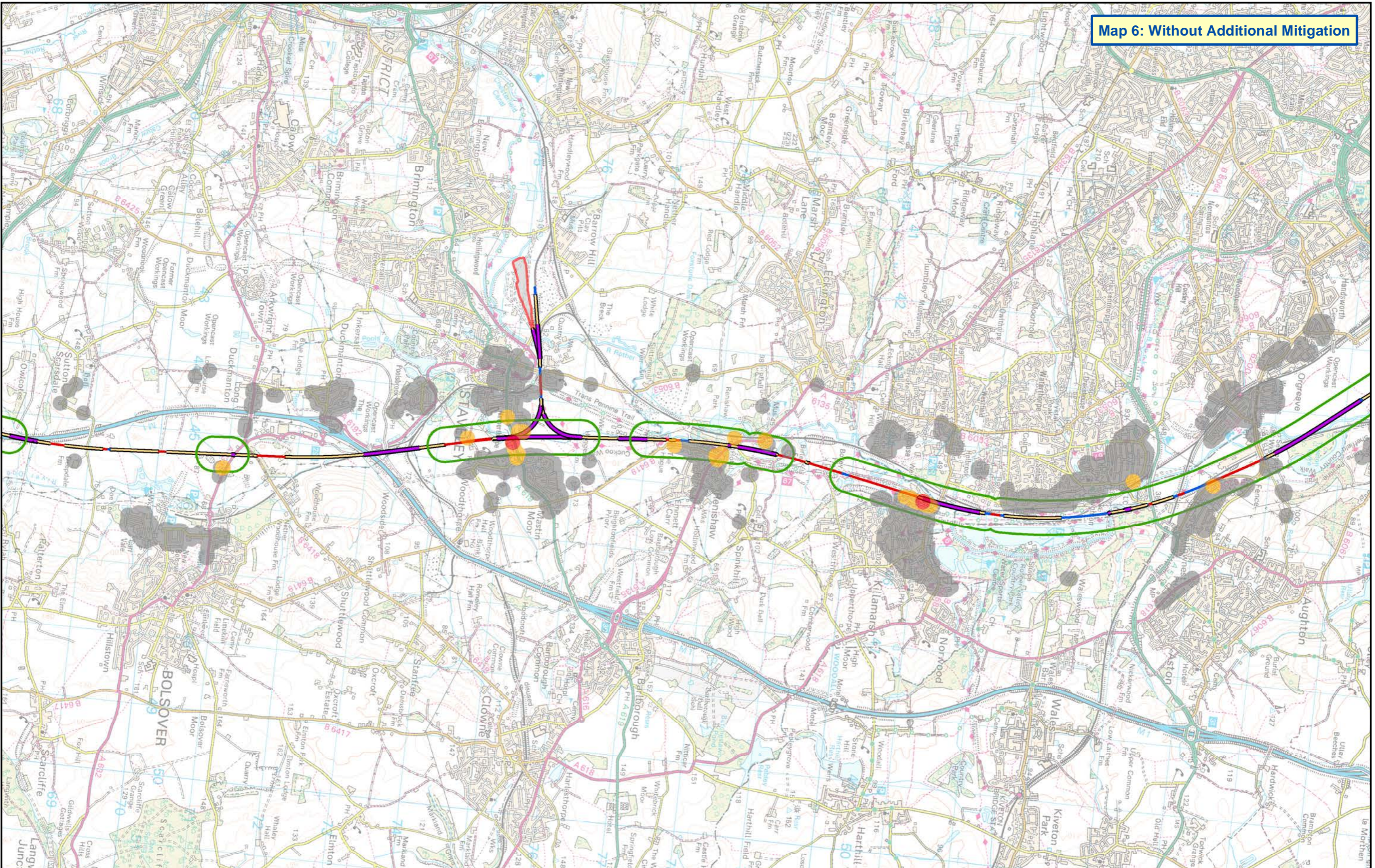
Scale at A3: 1:50,000

0 0.5 1 1.5 Kilometers

TEMPLE ERM

Temple ERM 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.

Map 6: Without Additional Mitigation



<p>Route Alignment</p> <ul style="list-style-type: none"> — At Grade — Cut & Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<p>Eastern Leg Station or Depot</p> <ul style="list-style-type: none"> Operational Boundary 	<p>Without Additional 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 Areas for Mitigation</p>
--	--	--	--

Figure Number: EL-06-01-N

Figure Name: Residential Airborne Noise Appraisal Proposed Route Without Additional Mitigation

Route Name: HSL13 / 14 / Stav Depot

Temple ERM 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.

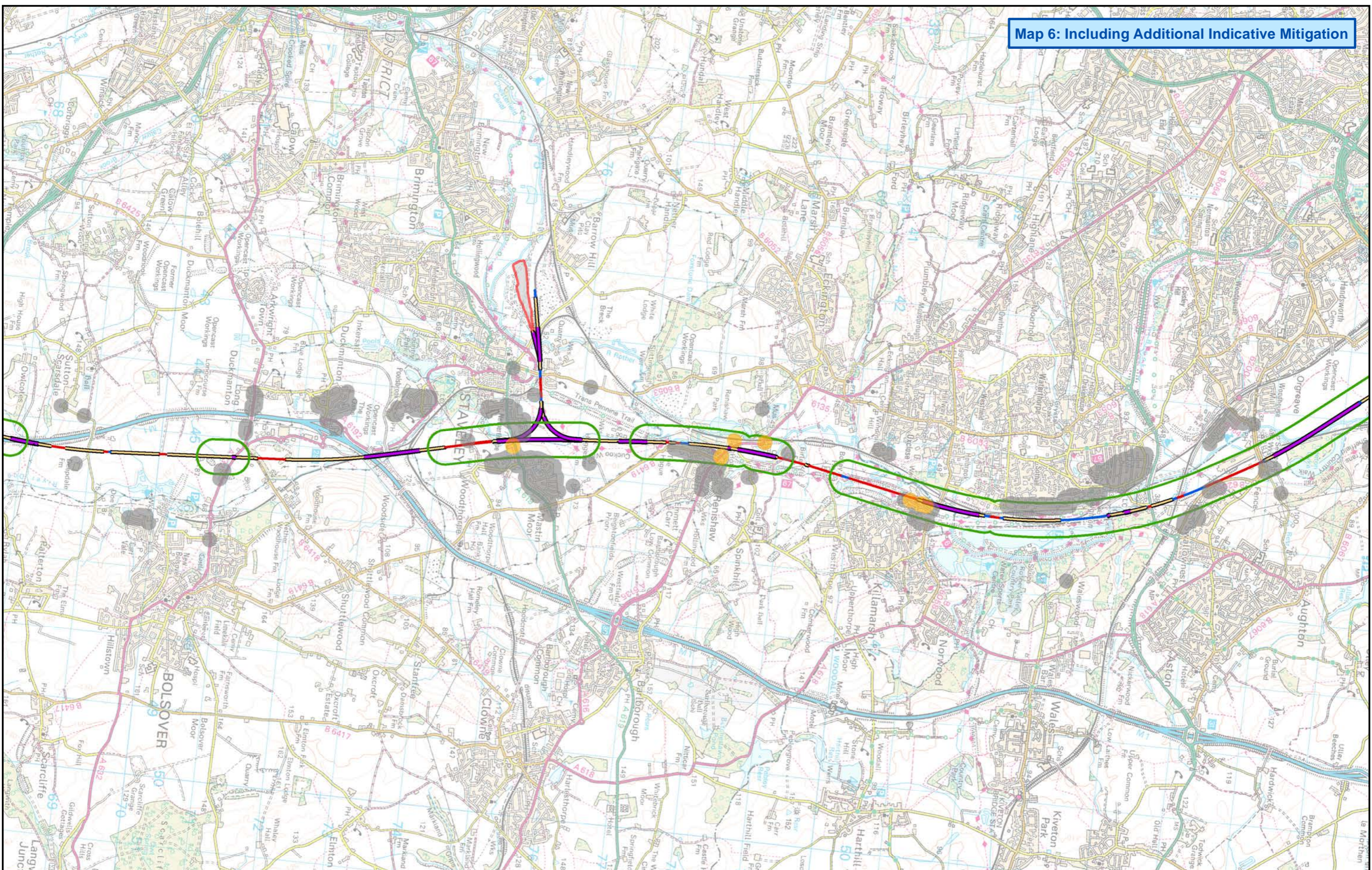
Scale at A3: 1:50,000

Kilometers

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000084
Date: 05/07/13

Map 6: Including Additional Indicative Mitigation



Route Alignment	Eastern Leg Station or Depot	Including Additional Indicative Mitigation, Areas Where Dwellings:	Preliminary Candidate Areas for Mitigation
<ul style="list-style-type: none"> — At Grade — Cut & Cover Tunnel — Cutting — Embankment Tunnel — Viaduct 	<ul style="list-style-type: none"> Operational Boundary 	<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 Areas for Mitigation

Figure Number: EL-06-02-N

Figure Name: Residential Airborne Noise Appraisal Proposed Route Including Additional Indicative Mitigation

Route Name: HSL13 / 14 / Stav Depot

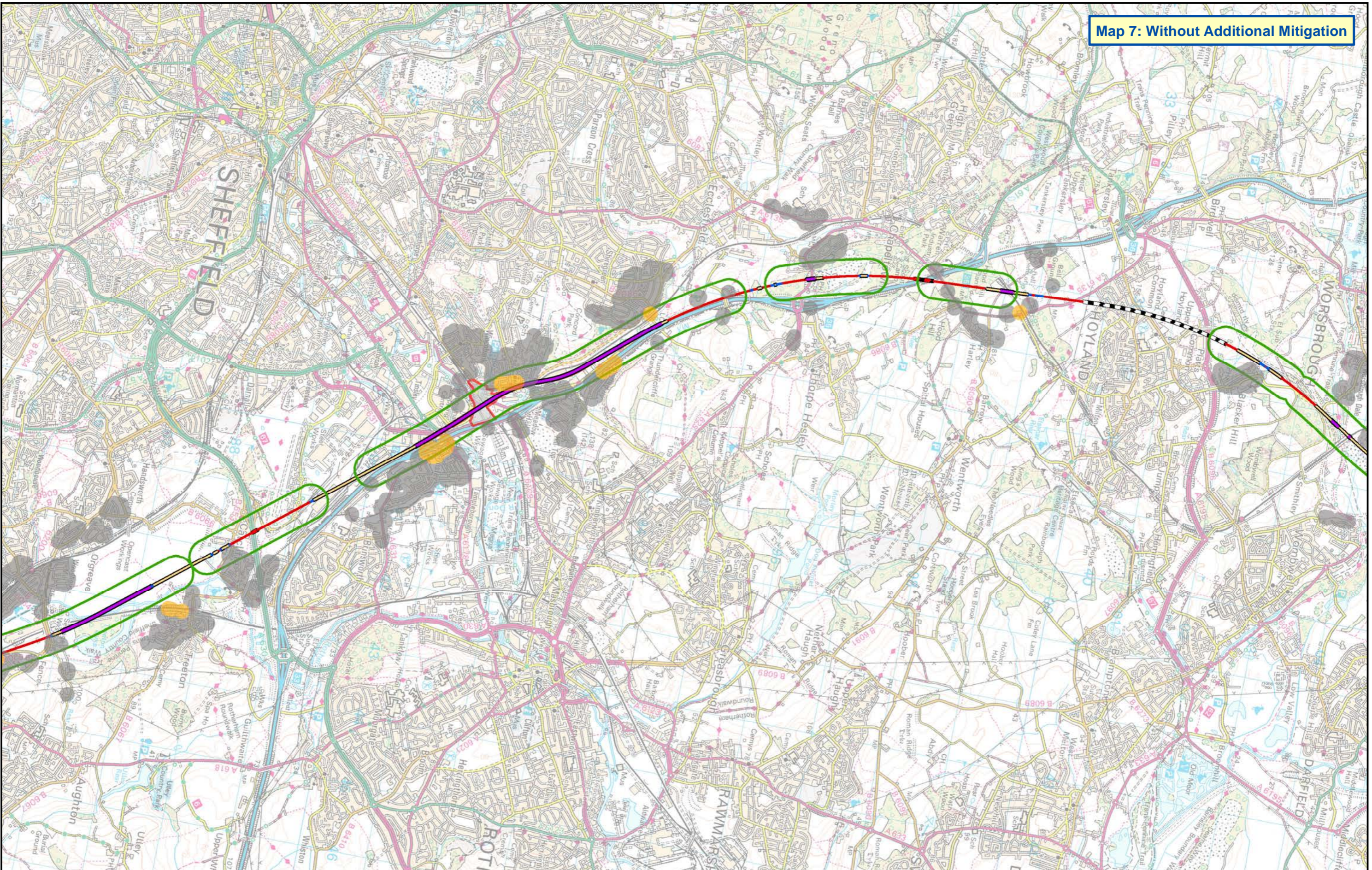
Temple ERM accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

Scale at A3: 1:50,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000074 Date: 05/07/13

Map 7: Without Additional Mitigation



Route Alignment
 — At Grade
 — Cut & Cover Tunnel
 — Cutting
 — Embankment
 — Tunnel
 — Viaduct

Eastern Leg Station or Depot
 Operational Boundary

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

— Preliminary Candidate Areas for Mitigation

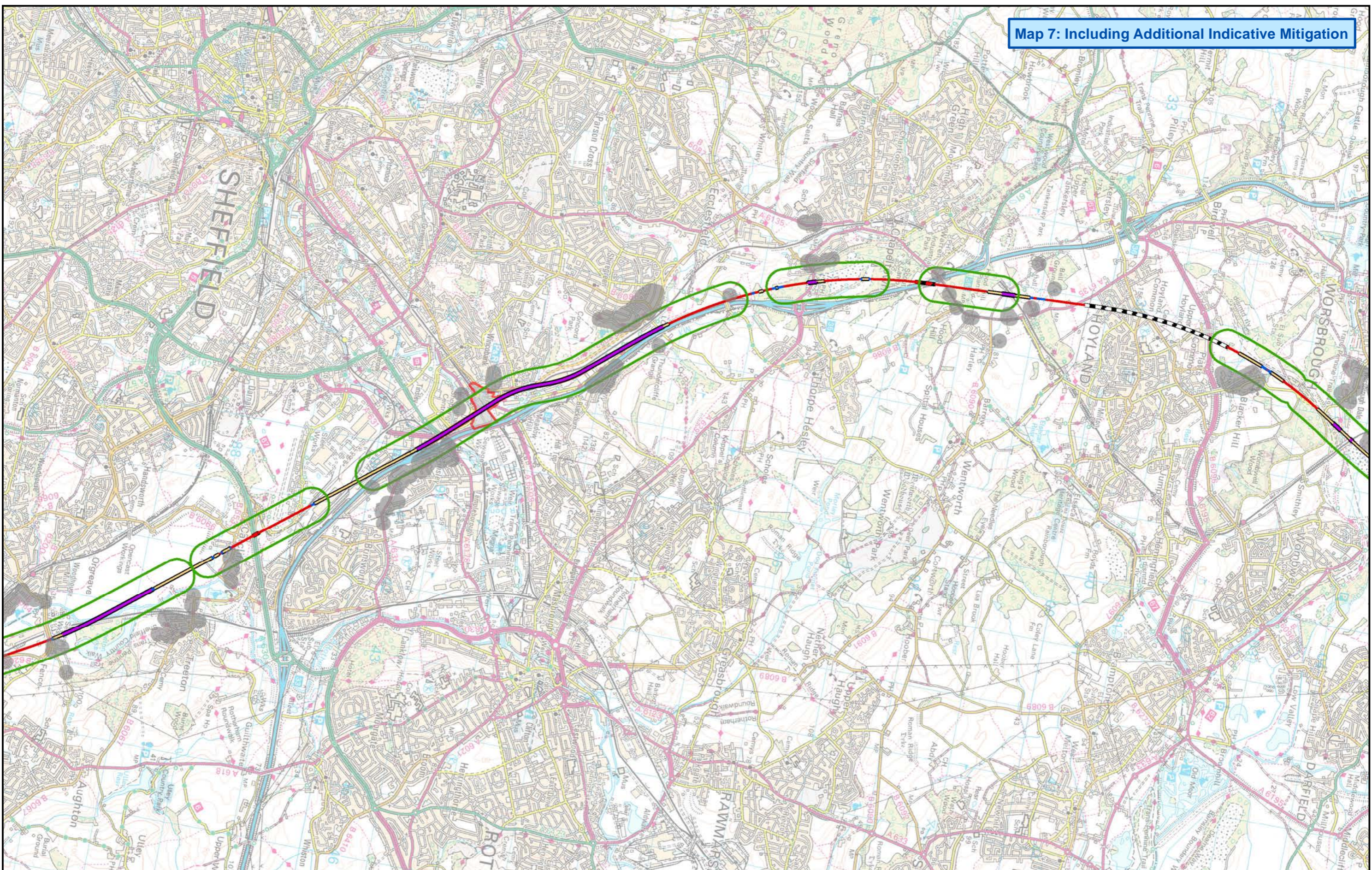
Figure Number: EL-07-01-N
 Figure Name: Residential Airborne Noise Appraisal Proposed Route Without Additional Mitigation
 Route Name: HSL14 / 15 / 16

Temple ERM 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: 1:50,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.
 Map Number: LMH-TGL-EV-MAP-100-000085 Date: 05/07/13

Map 7: Including Additional Indicative Mitigation



Route Alignment

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

Eastern Leg Station or Depot

- Operational Boundary

Including 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 Areas for Mitigation

Figure Number: EL-07-02-N

Figure Name: Residential Airborne Noise Appraisal Proposed Route Including Additional Indicative Mitigation

Route Name: HSL14 / 15 / 16

TEMPLE ERM

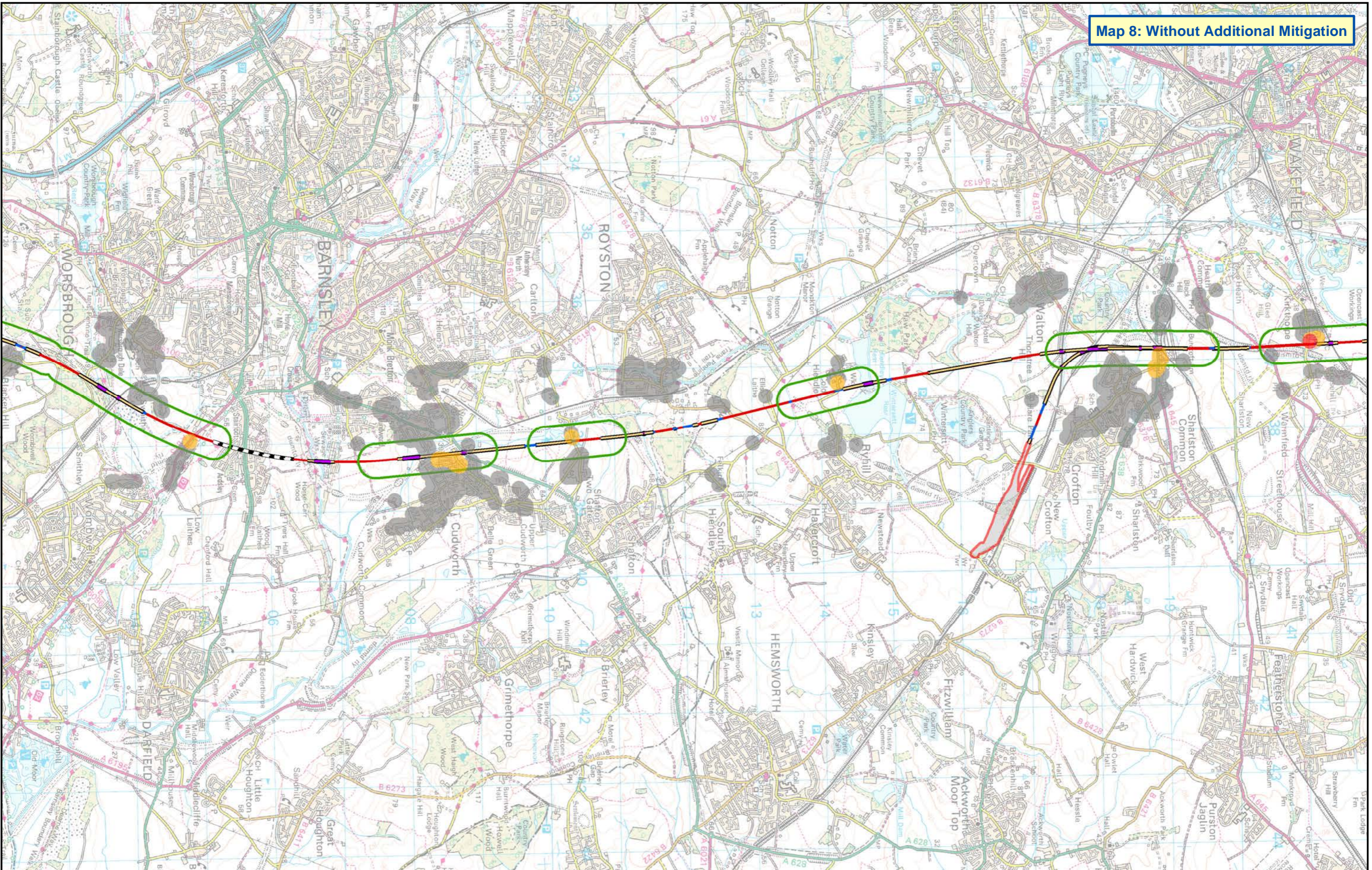
Temple ERM accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

Scale at A3: 1:50,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000075
Date: 05/07/13

Map 8: Without Additional Mitigation



Route Alignment

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

Eastern Leg Station or Depot

- Operational Boundary

Without Additional Mitigation, Areas Where Dwellings:

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

Preliminary Candidate Areas for Mitigation

Figure Number: **EL-08-01-N**

Figure Name: **Residential Airborne Noise Appraisal
Proposed Route
Without Additional Mitigation**

Route Name: **HSL16 / 17 / 21 / NCR Depot**

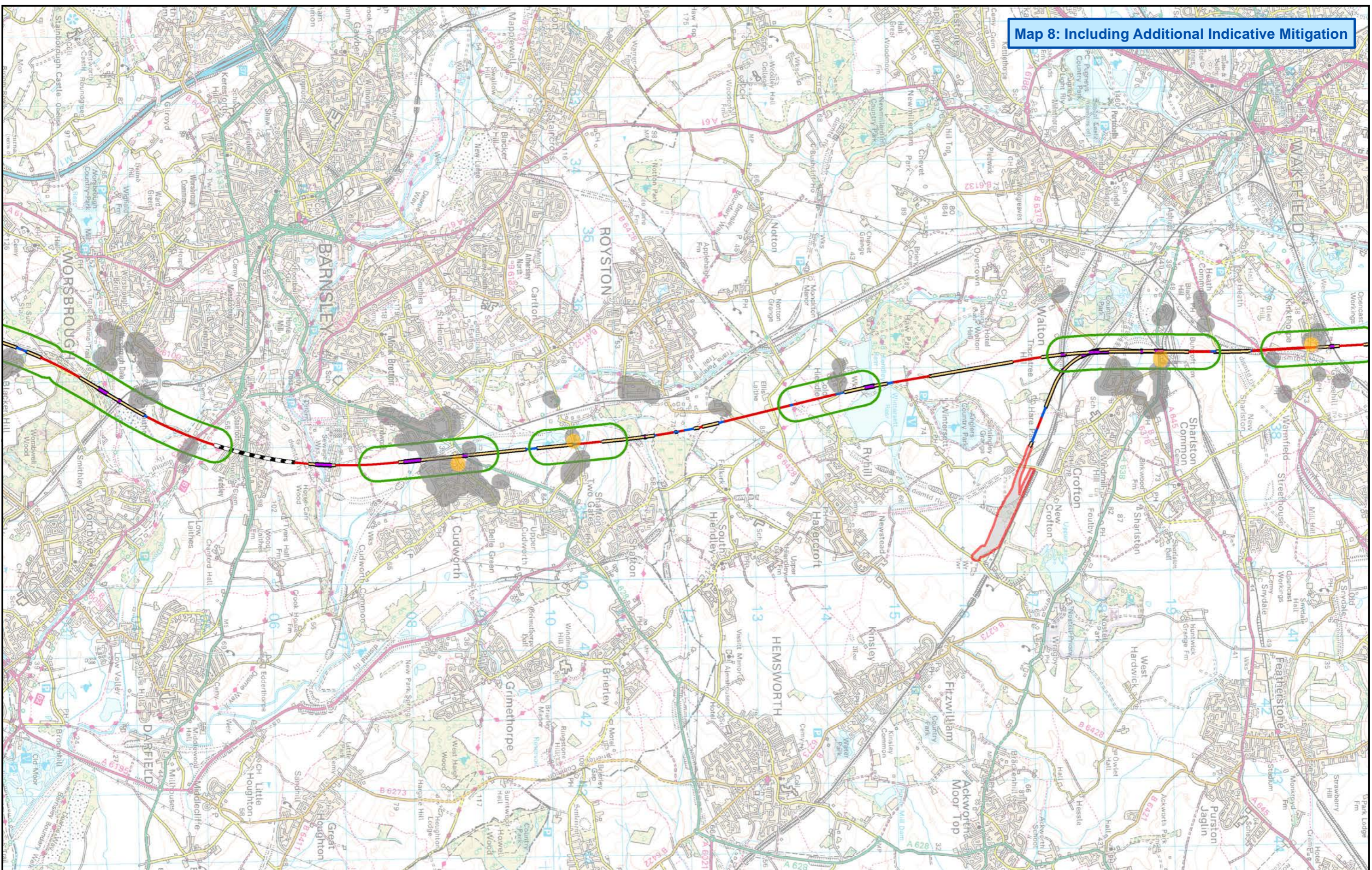
TEMPLE ERM

Scale at A3: 1:50,000

Temple ERM 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.

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190. Map Number: LMH-TGL-EV-MAP-100-000086 Date: 05/07/13

Map 8: Including Additional Indicative Mitigation



Route Alignment	Eastern Leg Station or Depot	Including Additional Indicative Mitigation, Areas Where Dwellings:	Preliminary Candidate Areas for Mitigation
<ul style="list-style-type: none"> — At Grade — Cut & Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<ul style="list-style-type: none"> Operational Boundary 	<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 Areas for Mitigation

Figure Number: EL-08-02-N

Figure Name: Residential Airborne Noise Appraisal Proposed Route Including Additional Indicative Mitigation

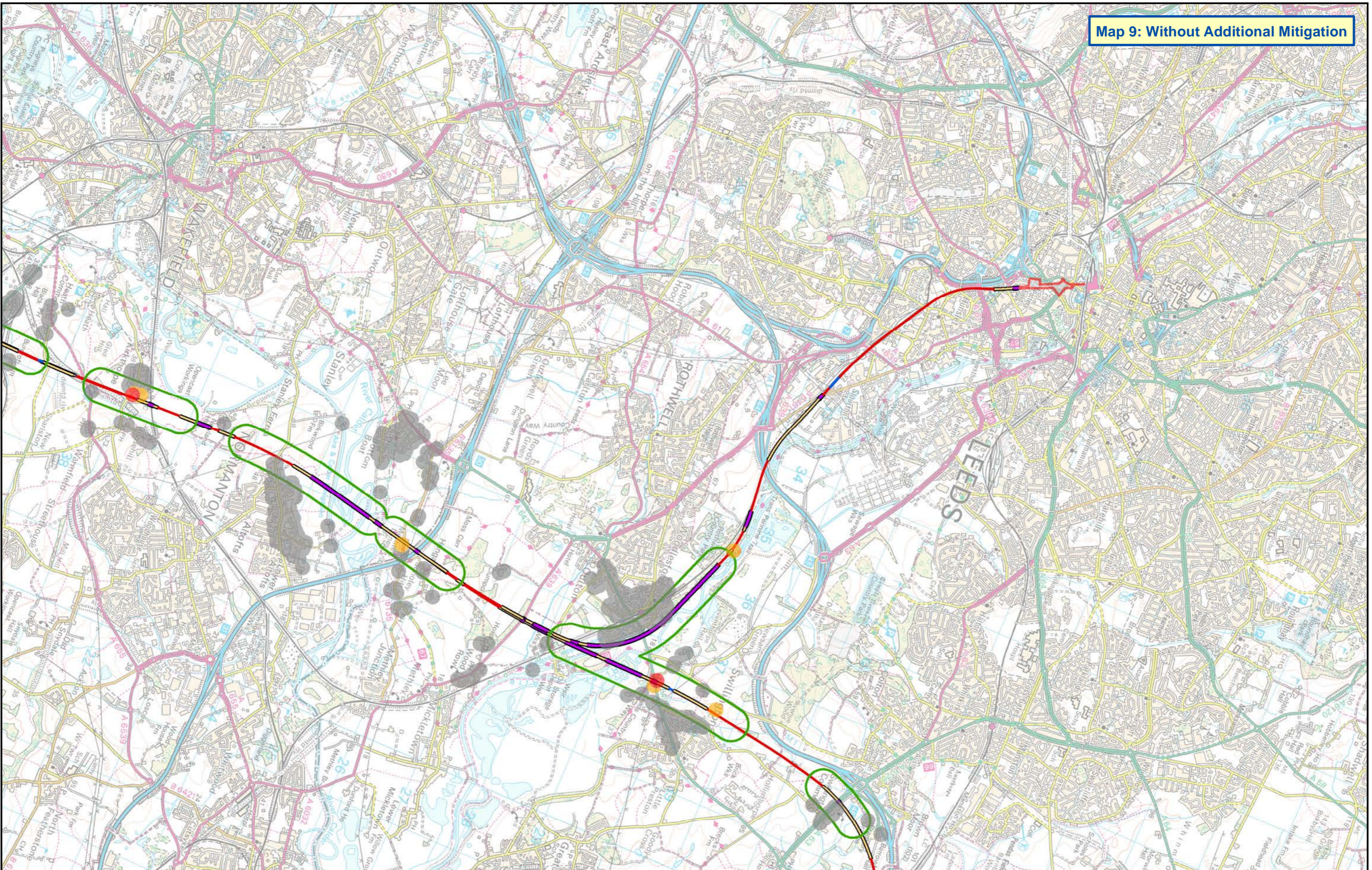
Route Name: HSL16 / 17 / 21 / NCR Depot

Temple ERM 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: 1:50,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190. Map Number: LMH-TGL-EV-MAP-100-000076 Date: 05/07/13

Map 9: Without Additional Mitigation



Route Alignment

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

Eastern Leg Station or Depot

- Operational Boundary

Without Additional Mitigation, Areas Where Dwellings:

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

Preliminary Candidate Areas for Mitigation

Figure Number: EL-09-01-N

Figure Name: Residential Airborne Noise Appraisal Proposed Route Without Additional Mitigation

Route Name: HSL17 / 21 / 22 / 31

TEMPLE ERM

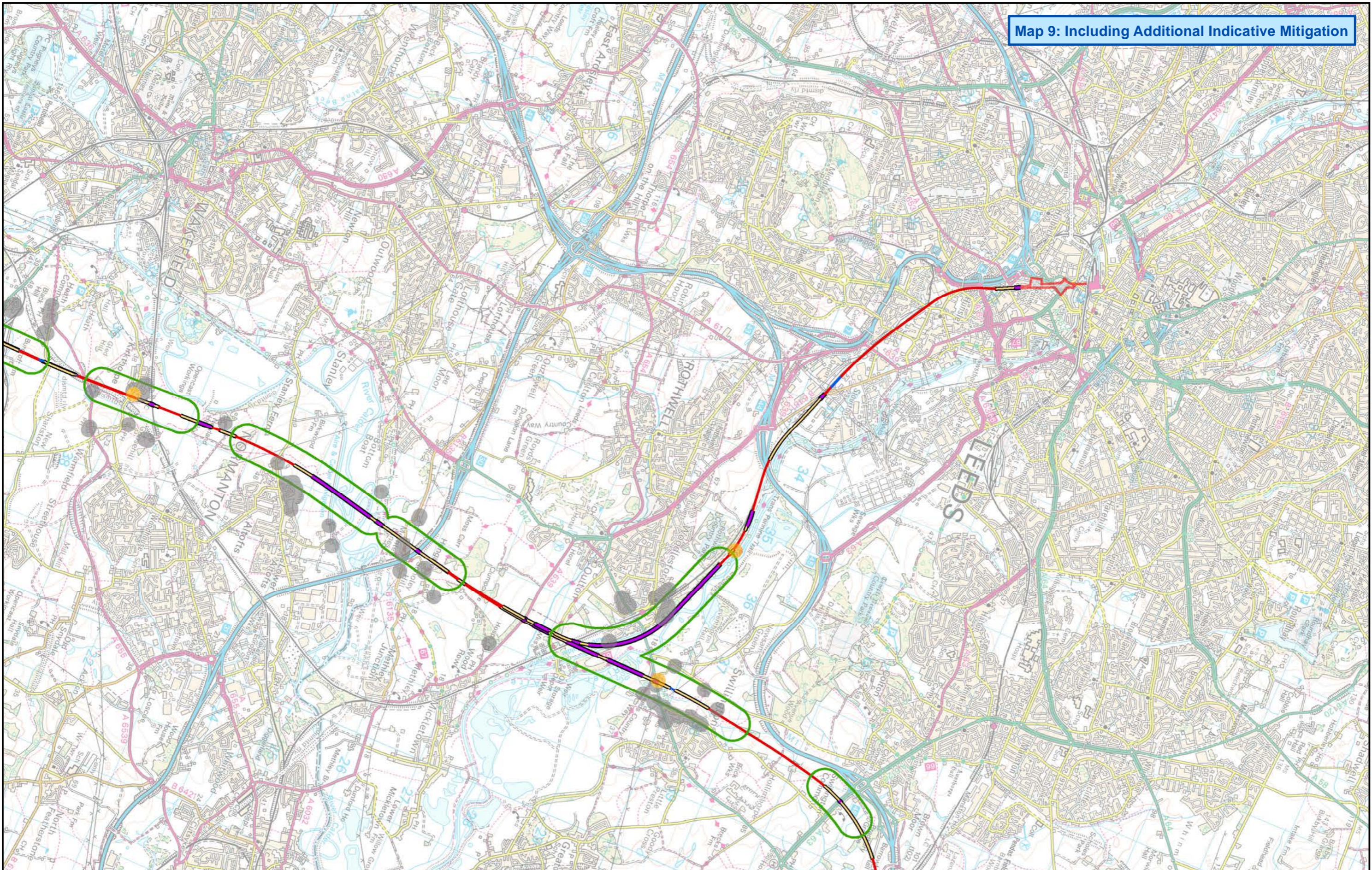
Temple ERM accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

Scale at A3: 1:50,000

Kilometers

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190. Map Number: LMH-TGL-EV-MAP-100-000087 Date: 05/07/13

Map 9: Including Additional Indicative Mitigation



Route Alignment	Eastern Leg Station or Depot	Including Additional Indicative Mitigation, Areas Where Dwellings:	Preliminary Candidate Areas for Mitigation
— At Grade	Operational Boundary	● Potentially Experience High Noise Levels	
— Cut & Cover Tunnel		● Are Potentially Eligible for Noise Insulation	
— Cutting		● Potentially Experience a Noticeable Noise Increase	
— Embankment			
— Tunnel			
— Viaduct			

Figure Number: EL-09-02-N
 Figure Name: Residential Airborne Noise Appraisal Proposed Route Including Additional Indicative Mitigation
 Route Name: HSL17 / 21 / 22 / 31

TEMPLE ERM

Scale at A3: 1:50,000

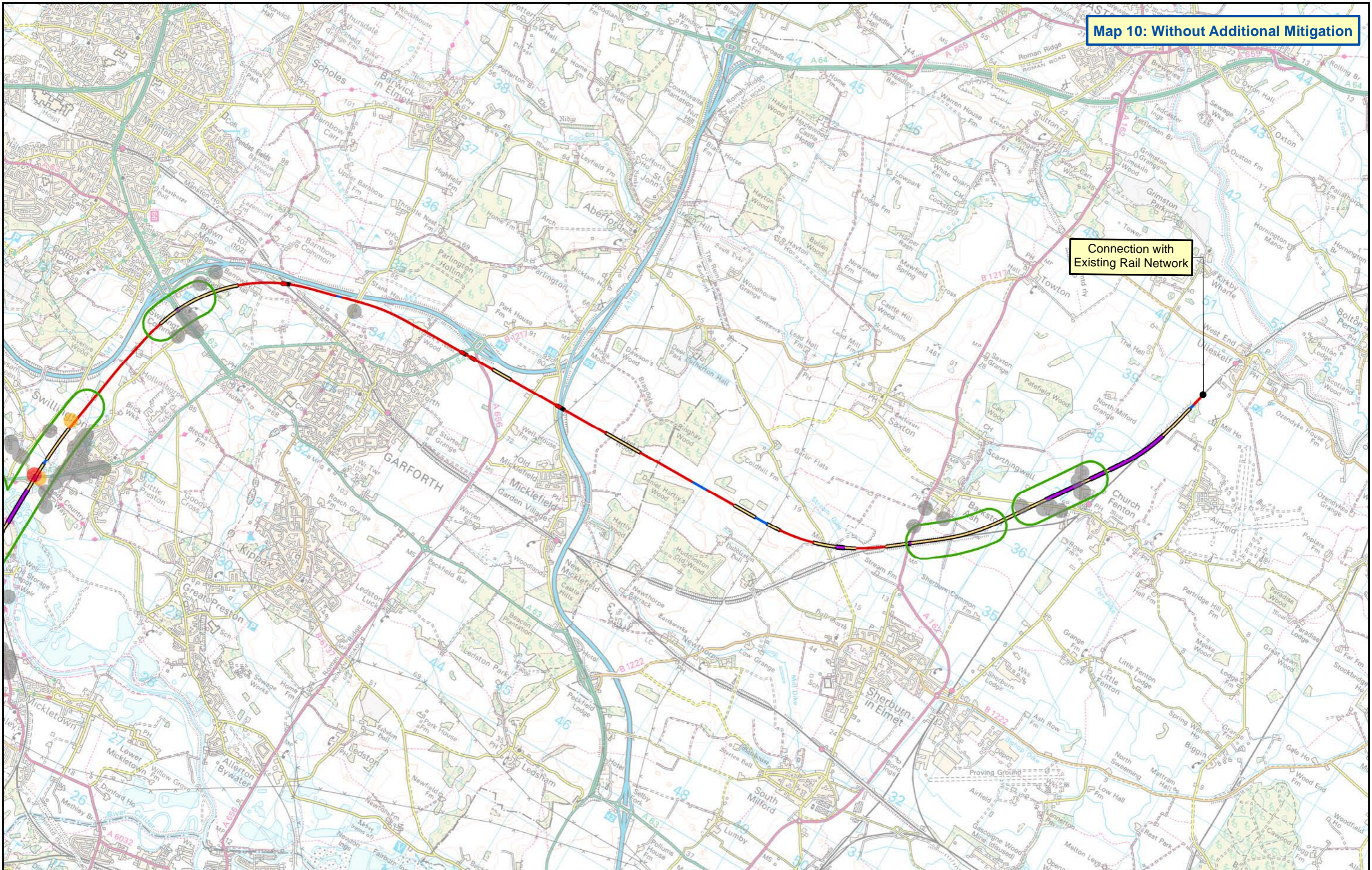
© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000077

Date: 05/07/13

Temple ERM 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.

Map 10: Without Additional Mitigation



Route Alignment	Eastern Leg Station or Depot	Without Additional Mitigation, Areas Where Dwellings:	Preliminary Candidate Areas for Mitigation
<ul style="list-style-type: none"> — At Grade — Cut & Cover Tunnel — Cutting — Embankment — Tunnel — Viaduct 	<ul style="list-style-type: none"> Operational Boundary 	<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 Areas for Mitigation

Figure Number: EL-10-01-N

Figure Name: Residential Airborne Noise Appraisal Proposed Route Without Additional Mitigation

Route Name: HSL17

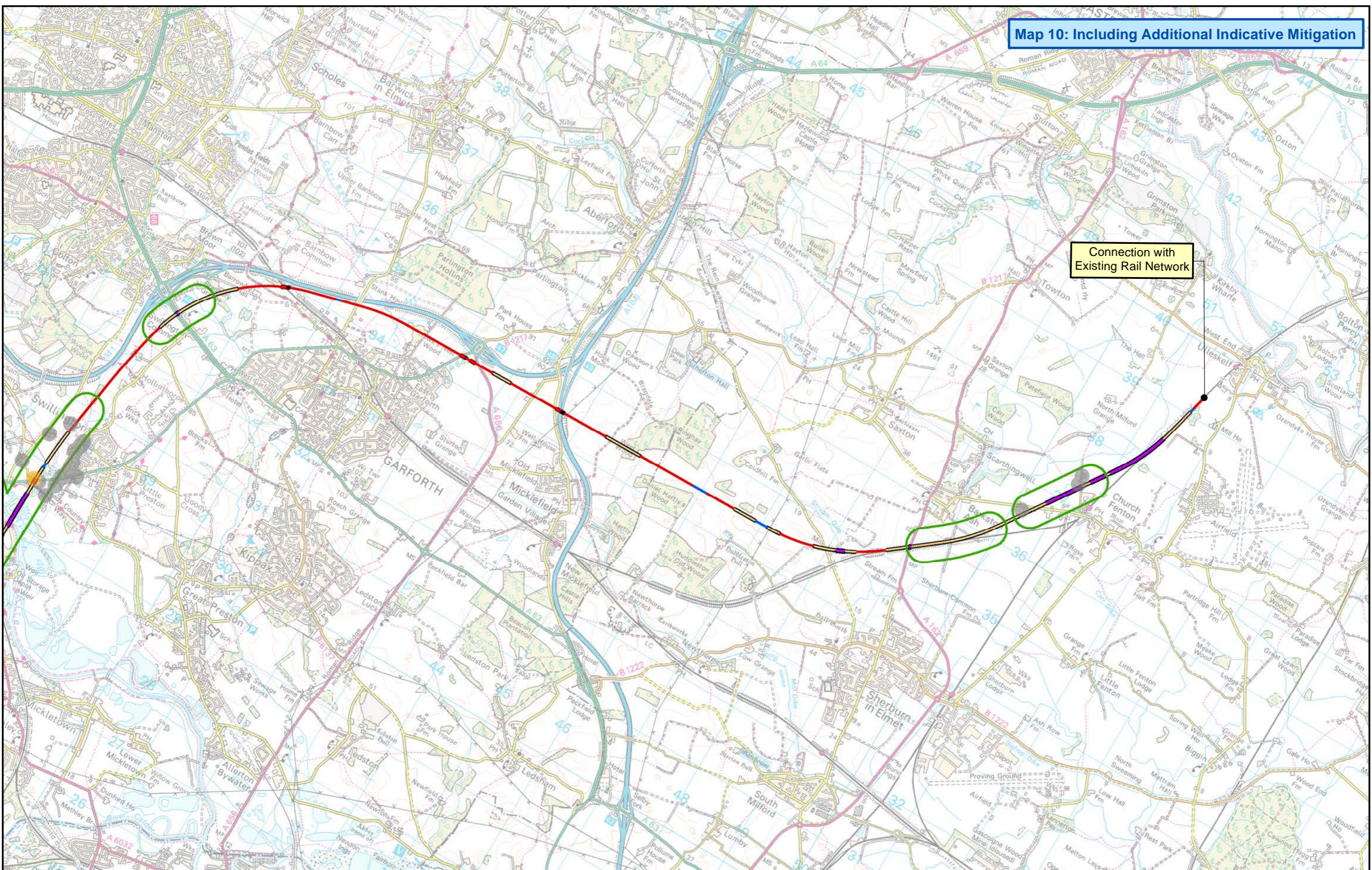
TEMPLE ERM

Temple ERM 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: 1:50,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190. Map Number: LMH-TGL-EV-MAP-100-000088 Date: 05/07/13

Map 10: Including Additional Indicative Mitigation



Route Alignment	Eastern Leg Station or Depot	Including Additional Indicative Mitigation, Areas Where Dwellings:	Preliminary Candidate Areas for Mitigation
— At Grade	Operational Boundary	● Potentially Experience High Noise Levels	○ Preliminary Candidate Areas for Mitigation
— Cut & Cover Tunnel		● Are Potentially Eligible for Noise Insulation	
— Cutting		● Potentially Experience a Noticeable Noise Increase	
— Embankment			
— Tunnel			
— Viaduct			

Figure Number: EL-10-02-N

Figure Name: Residential Airborne Noise Appraisal Proposed Route Including Additional Indicative Mitigation

Route Name: HSL17

TEMPLE ERM

Scale at A3: 1:50,000

© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.

Map Number: LMH-TGL-EV-MAP-100-000078

Date: 05/07/13

