

# High Speed Rail (Crewe – Manchester) Environmental Statement

## Volume 5: Map Book

Land quality (LQ-01)

## **High Speed Rail (Crewe – Manchester) Environmental Statement**

### **Volume 5: Map Book**

Land quality (LQ-01)





Department  
for Transport

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

High Speed Two (HS2) Limited  
Two Snowhill  
Snow Hill Queensway  
Birmingham B4 6GA

Telephone: 08081 434 434

General email enquiries: [HS2enquiries@hs2.org.uk](mailto:HS2enquiries@hs2.org.uk)

Website: [www.hs2.org.uk](http://www.hs2.org.uk)

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

**ARUP+** ERM | FOSTER + PARTNERS | JACOBS  
RAMBOLL | TYPESA | COSTAIN

**MWJV**

Mott MacDonald | WSP

High Speed Two (HS2) Limited has actively considered the needs of blind and partially sighted people in accessing this document. The text will be made available in full on the HS2 website. The text may be freely downloaded and translated by individuals or organisations for conversion into other accessible formats. If you have other needs in this regard, please contact High Speed Two (HS2) Limited.

© High Speed Two (HS2) Limited, 2022, except where otherwise stated.

Copyright in the typographical arrangement rests with High Speed Two (HS2) Limited.

This information is licensed under the Open Government Licence v3.0. To view this licence, visit [www.nationalarchives.gov.uk/doc/open-government-licence/version/3](http://www.nationalarchives.gov.uk/doc/open-government-licence/version/3) **OGL** or write to the Information Policy Team, The National Archives, Kew, London TW9 4DU, or e-mail: [psi@nationalarchives.gsi.gov.uk](mailto:psi@nationalarchives.gsi.gov.uk). Where we have identified any third-party copyright information you will need to obtain permission from the copyright holders concerned.



Printed in Great Britain on paper containing 100% recycled fibre.

# Contents

Mapping explanatory notes

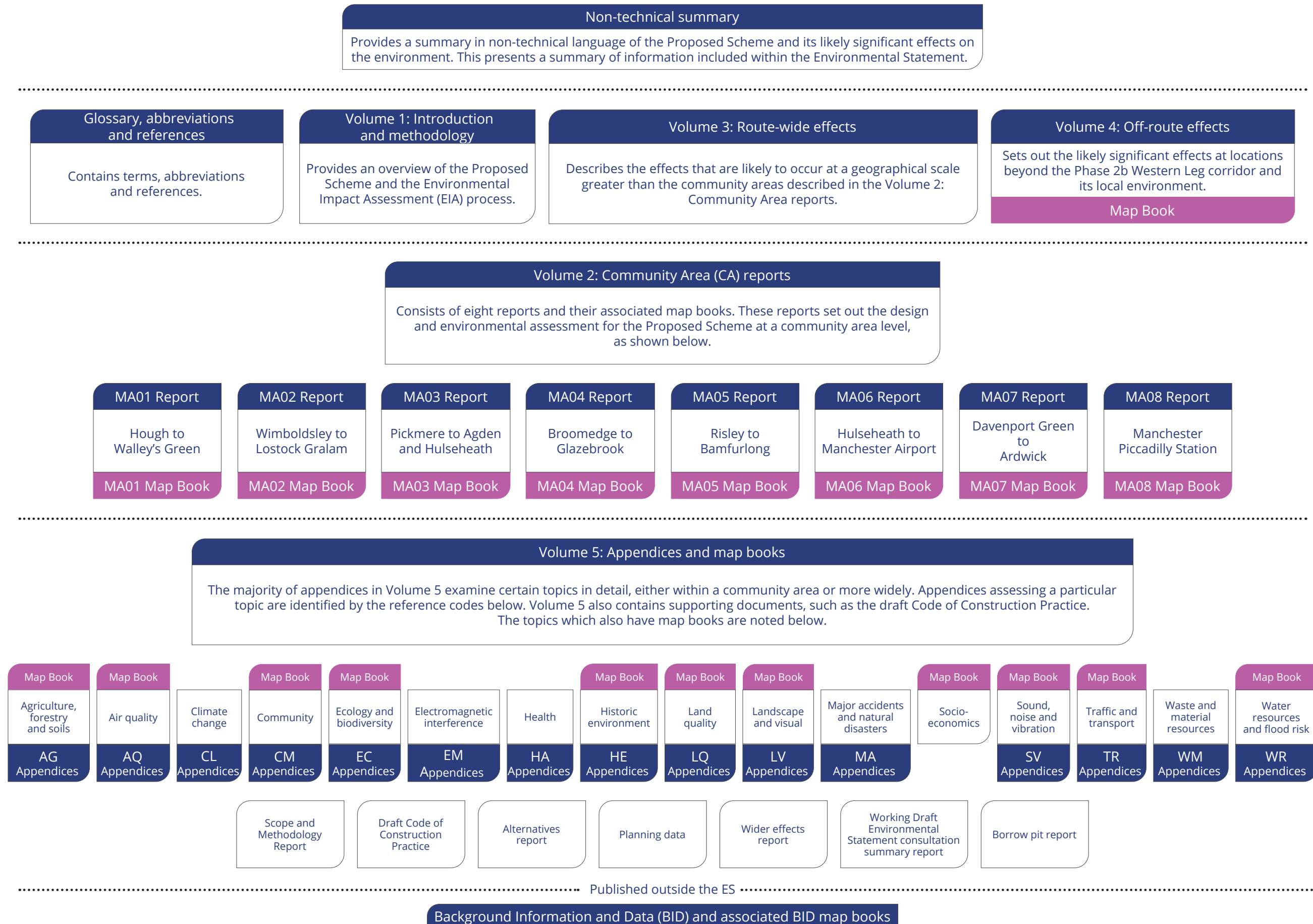
Data dictionary and definitions

Map series name	LQ-01 - Land Quality
<b>Map series description</b>	This Land Quality mapping shows potential sources of existing contamination close to the route as well as historical and operational landfill sites, current and potential future mining or mineral exploitation and geoconservation sites.
<b>Community Area name</b>	
MA01 Hough to Walley's Green	✓
MA02 Wimboldsley to Lostock Gralam	✓
MA03 Pickmere to Agden and Hulseheath	✓
MA04 Broomedge to Glazebrook	✓
MA05 Risley to Bamfurlong	✓
MA06 Hulseheath to Manchester Airport	✓
MA07 Davenport Green to Ardwick	✓
MA08 Manchester Piccadilly Station	✓
ORW1 Preston Station (PSTN)	
ORW2 Carlisle Station (CSTN)	
ORW3 Annandale Depot (ADEP)	✓

# Mapping explanatory notes

## Structure of the HS2 Phase 2b Environmental Statement

This map book is part of the suite of documents that make up the Environmental Statement (ES) that accompanies the deposit of the High Speed Rail (Crewe – Manchester) hybrid Bill. The structure of the ES is shown in the diagram below:



## Copyright statements

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

## Ordnance Survey data

All maps produced as part of the ES contain Ordnance Survey (OS) data. HS2 Ltd use the most up to date mapping available, where possible, supplied by the OS and as such, we cannot be held responsible for any inaccuracies within this data. As part of our licence conditions, all digital maps carry a watermark.

## Chainage

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

Chainage (known as reference chainage) is referenced from Euston Station, which is 0+000, and the value presented is in metres, e.g. 192+000 refers to the point, 192,000m, or 192km, from Euston Station. Chainage values increase in intervals dependant on the map scale. For maps at 1:50,000 scale chainage is shown at 5km intervals. For maps at 1:25,000 scale chainage is shown at 2km intervals. For maps at 1:20,000, 1:10,000, 1:5,000 and 1:2,500 scales, chainage is shown at 1km intervals.

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

## Map orientation

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

The exception to this, are map series LV-00, LV-02, LV-07 and LV-08, which present the alignment running from bottom to top of the page. This is to allow more of the modelled outputs to be shown at the appropriate map scale. In this instance, the direction of travel to London would be to the bottom of the page, and Manchester to the top.

## Map books

In total, there are 29 map books, which make up the ES, found in Volume 2, Volume 4 and Volume 5. A list of the titles is provided below for reference.

Name	Name
Volume 2: Map book – MA01: Hough to Walley's Green	Volume 5: Map book – Agriculture (AG-01, AG02, AG-04)
Volume 2: Map book – MA02: Wimboldsley to Lostock Gralam	Volume 5: Map book – Air quality (AQ-01)
Volume 2: Map book – MA03: Pickmere to Agden and Hulseheath	Volume 5: Map book – Community (CM-01)
Volume 2: Map book – MA04: Broomedge to Glazebrook	Volume 5: Map book – Ecology and biodiversity (EC-01)
Volume 2: Map book – MA05: Risley to Bamfurlong	Volume 5: Map book – Historic Environment (HE-01, HE-02, HE-03)
Volume 2: Map book – MA06: Hulseheath to Manchester Airport	Volume 5: Map book – Land quality (LQ-01)
Volume 2: Map book – MA07: Davenport to Green Ardwick	Volume 5: Map book – MA01: Hough to Walley's Green Landscape and visual (LV-00, LV-02, LV-07, LV-08, LV-17)
Volume 2: Map book – MA08: Manchester Piccadilly Station	Volume 5: Map book – MA02: Wimboldsley to Lostock Gralam Landscape and visual (LV-00, LV-02, LV-07, LV-08, LV-17)
Volume 4: Map book – Off-route effects	Volume 5: Map book – MA03: Pickmere to Agden and Hulseheath Landscape and visual (LV-00, LV-02, LV-07, LV-08, LV-17)

Name	Name
Volume 5: Map book – MA04: Broomedge to Glazebrook Landscape and visual (LV-00, LV-02, LV-07, LV-08, LV-17)	Volume 5: Map book – MA05: Risley to Bamfurlong Landscape and visual (LV-00, LV-02, LV-07, LV-08, LV-17)
Volume 5: Map book – MA06: Hulseheath to Manchester Airport Landscape and visual (LV-00, LV-02, LV-07, LV-08, LV-17)	Volume 5: Map book – MA07: Davenport to Green Ardwick Landscape and visual (LV-00, LV-02, LV-07, LV-08, LV-17)
Volume 5: Map book – MA08: Manchester Piccadilly Station Landscape and visual (LV-00, LV-02, LV-07, LV-08, LV-17)	Volume 5: Map book – OR003 Annandale Depot Landscape and visual (LV-00, LV-02, LV-07, LV-08, LV-17)
Volume 5: Map book – Planning Data/Committed Development (CT-13)	Volume 5: Map book – Socio-economics (SE-01)
Volume 5: Map book – Sound, noise and vibration (SV-02, SV-03, SV-08, SV-09)	Volume 5: Map book – Traffic and transport (TR-01, TR-03, TR-04, TR-08)
Volume 5: Map book – Water resources and flood risk (WR-01, WR-02, WR-03, WR-05, WR-06)	

# **High Speed Rail (Crewe – Manchester) Environmental Statement**

Data dictionary and definitions

## Data dictionary and definitions

Legend features	Definition	Source	Copyright
Active salt mine/brine extraction site/brinefield	Areas of land that are currently being worked (or have previously been worked) for salt resources.	Cheshire East Council and Cheshire West and Chester Council	© Cheshire East Council © Cheshire West and Chester Council.
Areas assessed as not posing a contaminative risk in relation to the Proposed Scheme	Areas of land assessed from existing baseline information such as historical mapping, as not posing a potential contaminative risk to the Proposed Scheme.	High Speed Two (HS2) Ltd	
Areas assessed as potentially posing a contaminative risk in relation to the Proposed Scheme	Areas of land assessed from existing baseline information such as historical mapping, as potentially posing a potential contaminative risk to the Proposed Scheme. These sites do not automatically equate to identified 'potentially contaminated land' as defined by EPA 1990.	High Speed Two (HS2) Ltd	
Community area boundary	The Environmental Statement has been split into eight sections called Community Areas.	High Speed Two (HS2) Ltd	© Crown copyright. Reproduced by permission of Ordnance Survey Licence Number 100049190. Year of Publication 2019.
Consented salt mine/brine extraction site/brinefield	Areas of land that have been consented for extraction of salt resources but are not currently being worked.	Cheshire East Council and Cheshire West and Chester Council	© Cheshire East Council. © Cheshire West and Chester Council.
County boundary	County boundaries from Ordnance Survey boundary mapping.	Ordnance Survey	© Crown copyright. Reproduced by permission of Ordnance Survey Licence Number 100049190. Year of Publication 2019.
Depot, station, headhouse or portal building	Extends to cover operational footprint of each depot and station and the footprint of each tunnel vent shaft and headhouse at surface level. Excludes any ancillary buildings associated with these structures.	High Speed Two (HS2) Ltd	
District/borough/Unitary authority boundary	Ordnance Survey local authority boundary mapping.	Ordnance Survey	© Crown copyright. Reproduced by permission of Ordnance Survey Licence Number 100049190. Year of Publication 2019.
Geoconservation sites	Identified and managed site of geological or geomorphological or mineral interest, which can include natural processes such as coastal erosion, and where consideration of their importance becomes integral to the planning process.	Cheshire East council	© Cheshire East council (2016).

Legend features	Definition	Source	Copyright
Land potentially required during construction	Boundary defining the maximum possible extent of construction works required to build HS2 as far as the current level of design allows. This only covers surface works and includes all tunnel portals, vent shafts and headhouses, but does not apply to wholly tunnelled sections or to air rights. It also encompasses associated highway, access, drainage and utility works.	High Speed Two (HS2) Ltd	
Landfill site (historical or active)	A historical (closed) landfill site is one where there is no environmental permit currently in force. An active landfill is one that is currently receiving waste and where an environmental permit is in force.	Environment Agency	© Environment Agency copyright and/or database right 2017. All rights reserved.
Mineral safeguard areas	Mineral safeguarding areas are areas of known mineral resources defined by the local Minerals Authority as areas of sufficient economic importance to warrant protection for future exploitation.	British Geological Survey (BGS)	Reproduced with the permission of the British Geological Survey ©NERC. All rights Reserved.
Petroleum Exploration and Development Licence (PEDL)	An area covered by a PEDL grants the licensee exclusivity over that area for onshore hydrocarbon exploration, appraisal and extraction.	Department for Business, Energy & Industrial Strategy	Contains information provided by the OGA.
Preferred areas or extensions to brinefield/salt mine	Areas of land that have been identified by the local Minerals Authority to warrant protection for future exploitation of known salt resources.	Cheshire East Council and Cheshire West and Chester Council	© Cheshire East Council © Cheshire West and Chester Council.
Registered park and garden	Parks and Gardens of special historic interest. Supplied by Historic England. 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.	Historic England	© Historic England 2020. Contains Ordnance Survey data © Crown copyright and database right 2020 The Historic England GIS Data contained in this material was obtained on 15 June 2020. The most publicly available up to date Historic England GIS Data can be obtained from <a href="http://HistoricEngland.org.uk">HistoricEngland.org.uk</a> .
Route in tunnel	Represents the proposed route of HS2, split into. route on surface and tunnelled sections.	High Speed Two (HS2) Ltd	
Route on surface	Represents the proposed route of HS2, split into route on surface and tunnelled sections.	High Speed Two (HS2) Ltd	
Shale Prospective Area (SPA)	An area identified by the British Geological Survey as having the greatest potential for shale gas to be present.	Department for Business, Energy & Industrial Strategy	Contains information provided by the OGA.
Water body	Any mass of water having definite hydrological, physical, chemical and biological characteristics.	Ordnance Survey	© Crown copyright. Reproduced by permission of Ordnance Survey Licence Number 100049190. Year of Publication 2019.

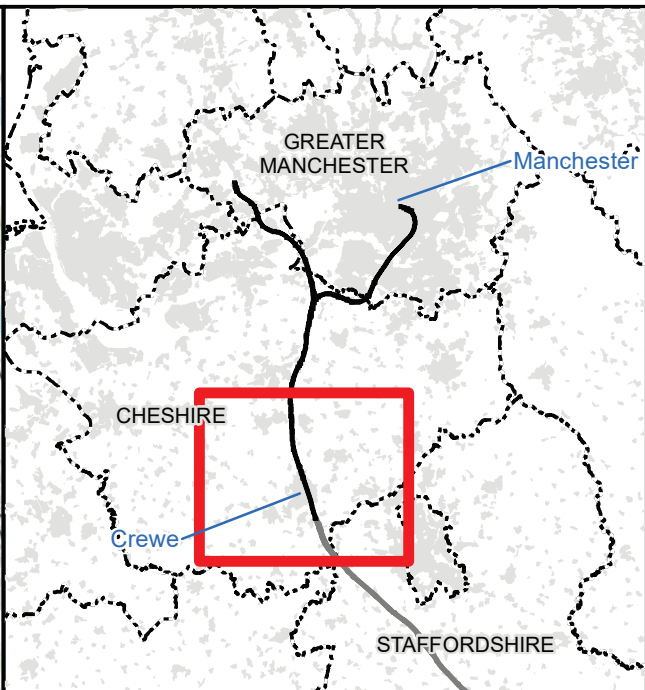
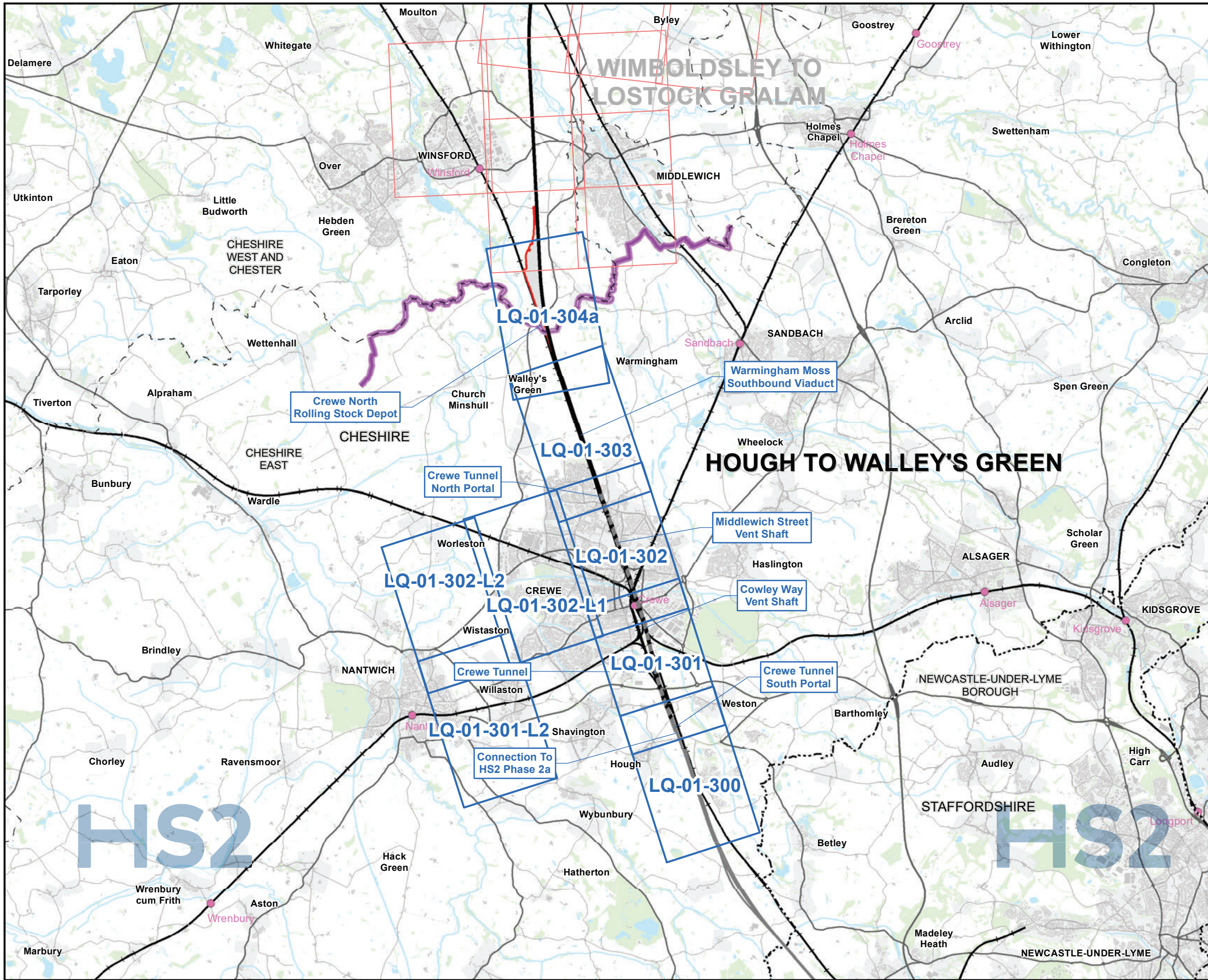


Legend features	Definition	Source	Copyright
Watercourse	Any channel through which water flows, can be natural or manmade. They are split into two categories (main rivers or ordinary watercourses) in England and Wales for regulation purposes.	Ordnance Survey	© Crown copyright. Reproduced by permission of Ordnance Survey Licence Number 100049190. Year of Publication 2019.
Woodland	Woodland areas derived from Ordnance Survey MasterMap data.	Ordnance Survey	© Crown copyright. Reproduced by permission of Ordnance Survey Licence Number 100049190. Year of Publication 2019.

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

MA01: Hough to Walley's Green  
LQ-01 - Land Quality





**Map Series Information:**

This Land Quality mapping shows potential sources of existing contamination close to the route as well as historical and operational landfill sites, current and potential future mining or mineral exploitation and geoconservation sites

- Main Map Legend**
- Route in tunnel
  - Route on surface
  - Depot, station, headhouse or portal building
  - Community area boundary
  - Existing railway station
  - County boundary
  - District/Borough boundary
  - Map sheets included in this community area
  - Map sheets not included in this community area

Map Number	LQ-01-INDEX-MA01
Map Name	Index Map of: Land Quality
	Community Area MA01: Hough to Walley's Green

**HS2** HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

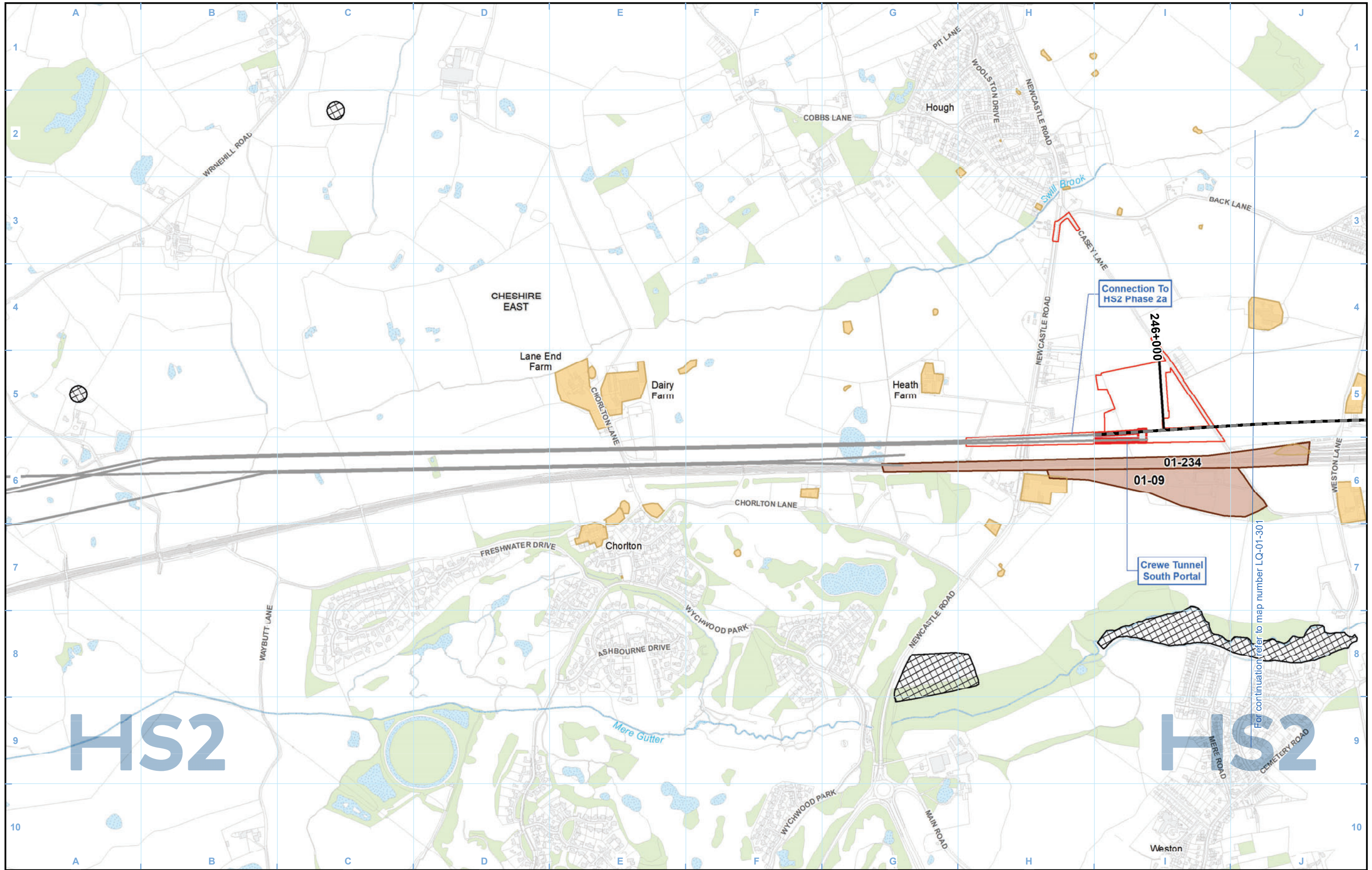
Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

© Crown copyright and database rights 2020  
OS 100049190

Scale at A3: 1:100,000

Doc Number: 2DE01-MWJ-EV-MAP-M000-001754-P01 Date: 09/08/21





- Legend**
- Route in tunnel
  - Route on surface
  - Depot, station, headhouse or portal building
  - Land potentially required during construction
  - Community area boundary
  - County boundary
  - District/Borough boundary
  - Watercourse
  - Water body
  - Woodland
  - Registered park/garden
  - Landfill site (historical or active)
  - Geoconservation site
  - Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
  - Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
  - 01-126 — Site No.
  - CA No.

*Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.*

Map Number	LQ-01-300
Map Name	Land Quality
	Community Area MA01: Hough to Walley's Green

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway,  
Birmingham B4 6GA.

© Crown copyright and database rights 2020  
OS 100049190

Doc Number: 2DE01-MWJ-EV-MAP-M000-002405-P01

Scale at A3: 1:10,000

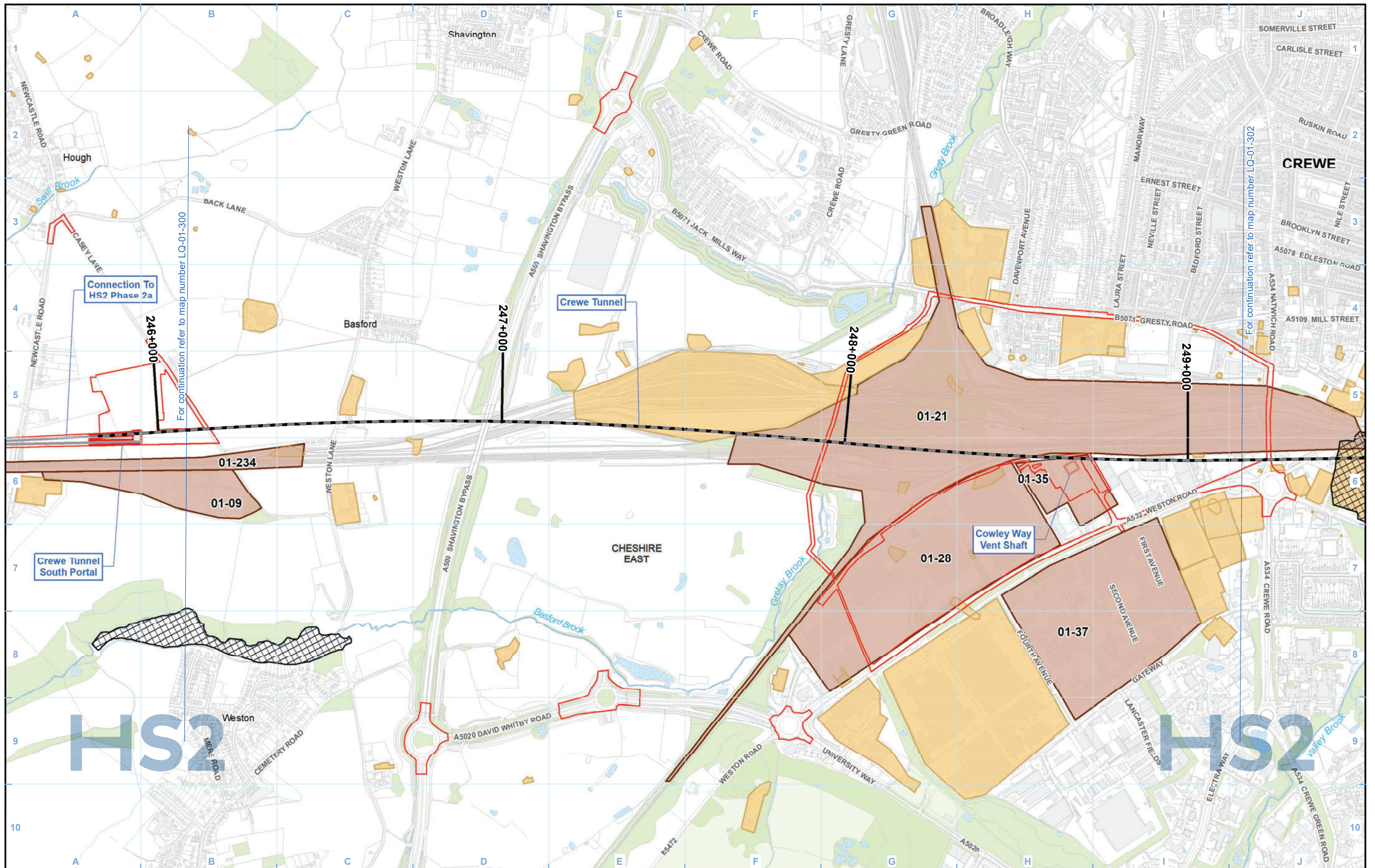
Metres

Date: 09/08/21

HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

For continuation refer to map number LQ-01-301





**Legend**

	Route in tunnel		Watercourse
	Route on surface		Water body
	Depot, station, headhouse or portal building		Woodland
	Land potentially required during construction		Registered park/garden
	Community area boundary		
	County boundary		
	District/Borough boundary		

	Landfill site (historical or active)
	Geoconservation site
	Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
	Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
01-126	Site No.
—	CA No.

*Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.*

Map Number	LQ-01-301
Map Name	Land Quality
	Community Area MA01: Hough to Walley's Green

**HS2**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6QA.

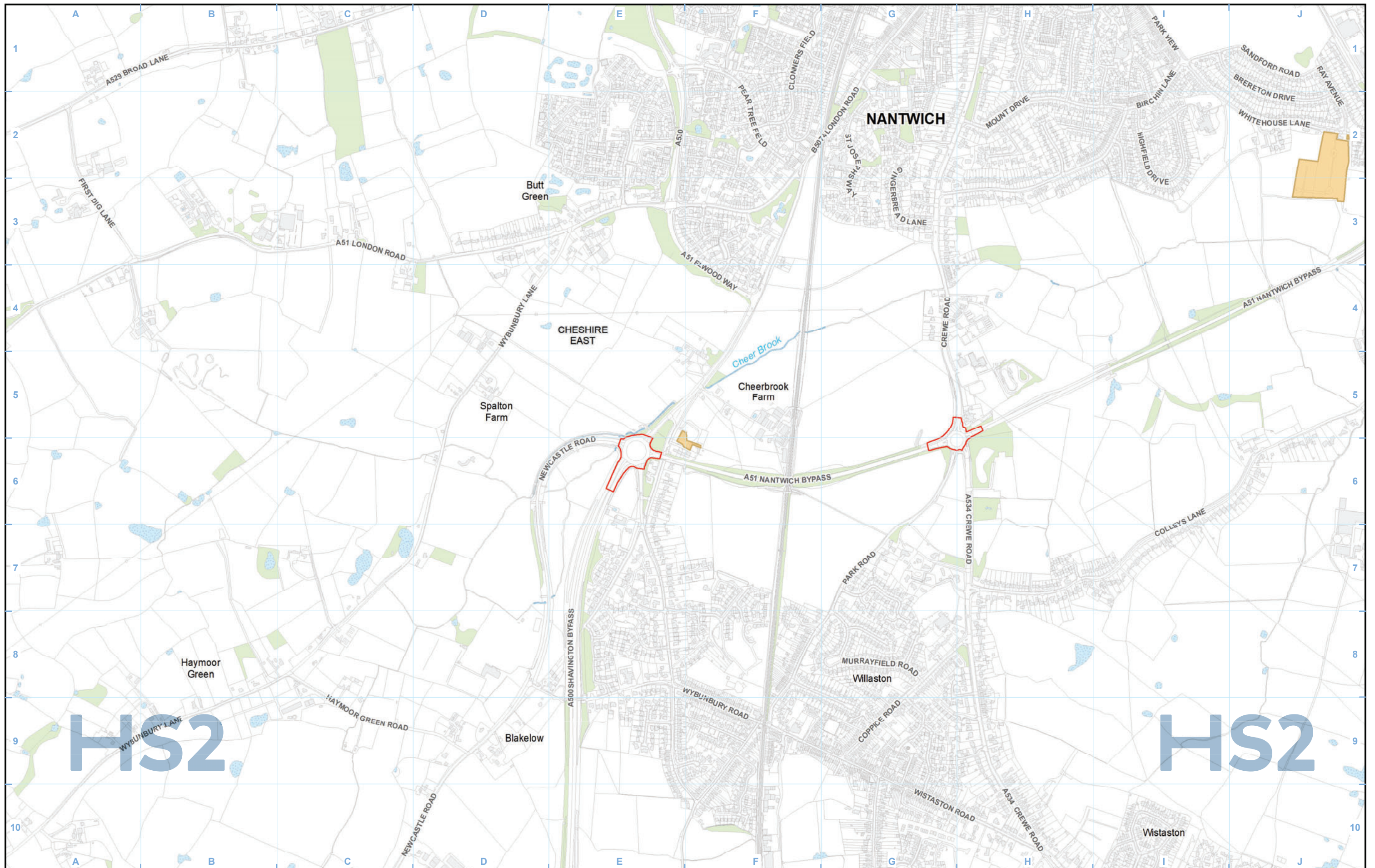
OS 100049190

Doc Number: 2DE01-MWJ-EV-MAP-M000-001719-P01

Scale at A3: 1:10,000

Date: 09/08/21





**Legend**

	Route in tunnel		Watercourse
	Route on surface		Water body
	Depot, station, headhouse or portal building		Woodland
	Land potentially required during construction		Registered park/garden
	Community area boundary		
	County boundary		
	District/Borough boundary		

	Landfill site (historical or active)
	Geoconservation site
	Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
	Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
	01-126 — Site No.
	— CA No.

*Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details.*  
*A Shale Prospective Area covers the entire study area.*

Map Number	LQ-01-301-L2
Map Name	Land Quality
	Community Area MA01: Hough to Walley's Green

**HS2**

Registered in England. Registration number 06791686.  
 Registered office: 2 Snowhill, Queensway, Birmingham B4 6QA.

© Crown copyright and database rights 2020  
 OS 100049190

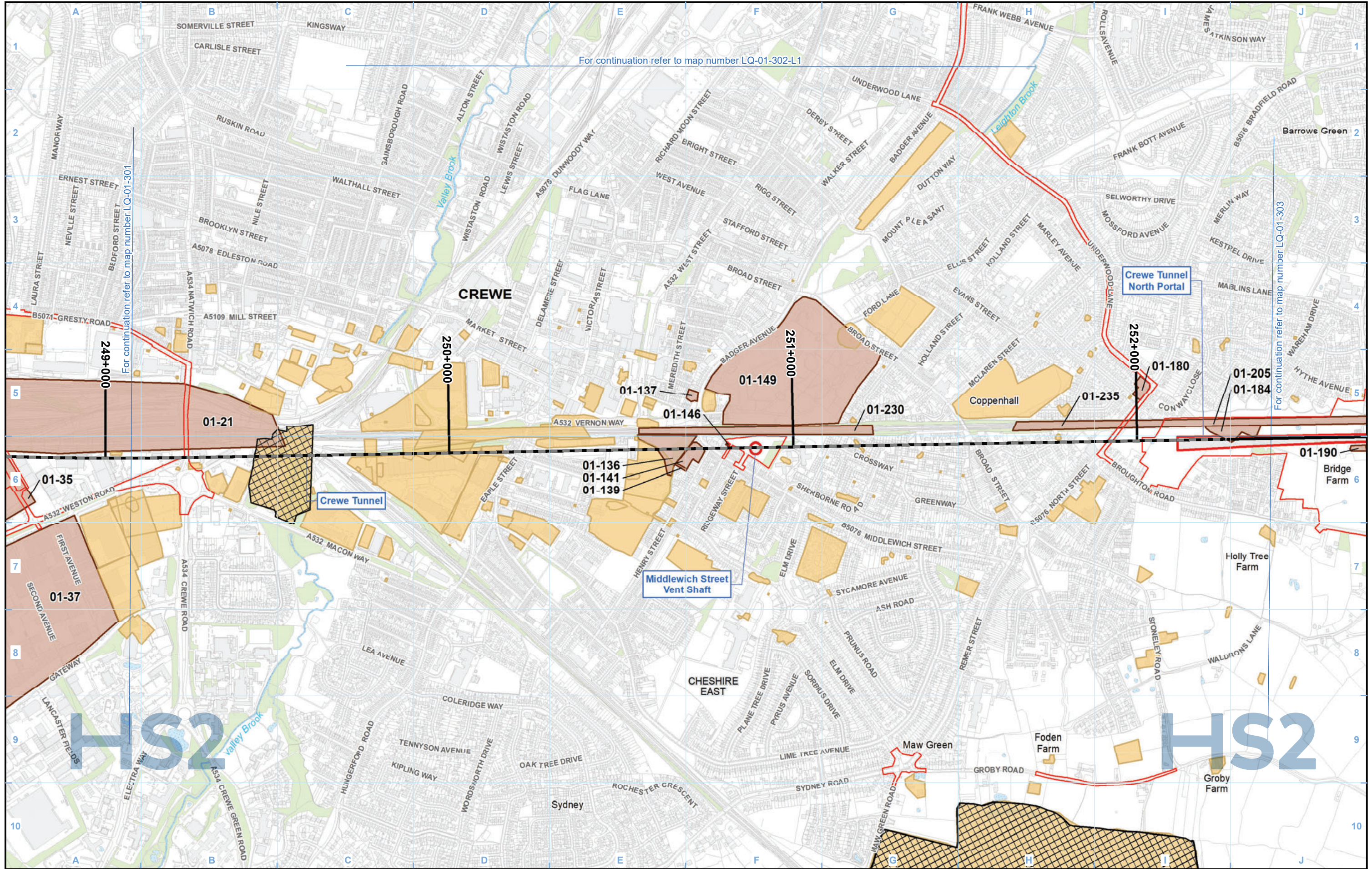
Scale at A3: 1:10,000

Doc Number: 2DE01-MWJ-EV-MAP-M000-002785-P01

Date: 09/08/21



For continuation refer to map number LQ-01-302-L1



For continuation refer to map number LQ-01-301

For continuation refer to map number LQ-01-303

**Legend**

	Route in tunnel		Watercourse
	Route on surface		Water body
	Depot, station, headhouse or portal building		Woodland
	Land potentially required during construction		Registered park/garden
	Community area boundary		
	County boundary		
	District/Borough boundary		

	Landfill site (historical or active)
	Geoconservation site
	Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
	Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
01-126	Site No.
—	CA No.

Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.

Map Number	LQ-01-302
Map Name	Land Quality
Community Area MA01: Hough to Walley's Green	

**HS2**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:10,000

© Crown copyright and database rights 2020  
OS 100049190

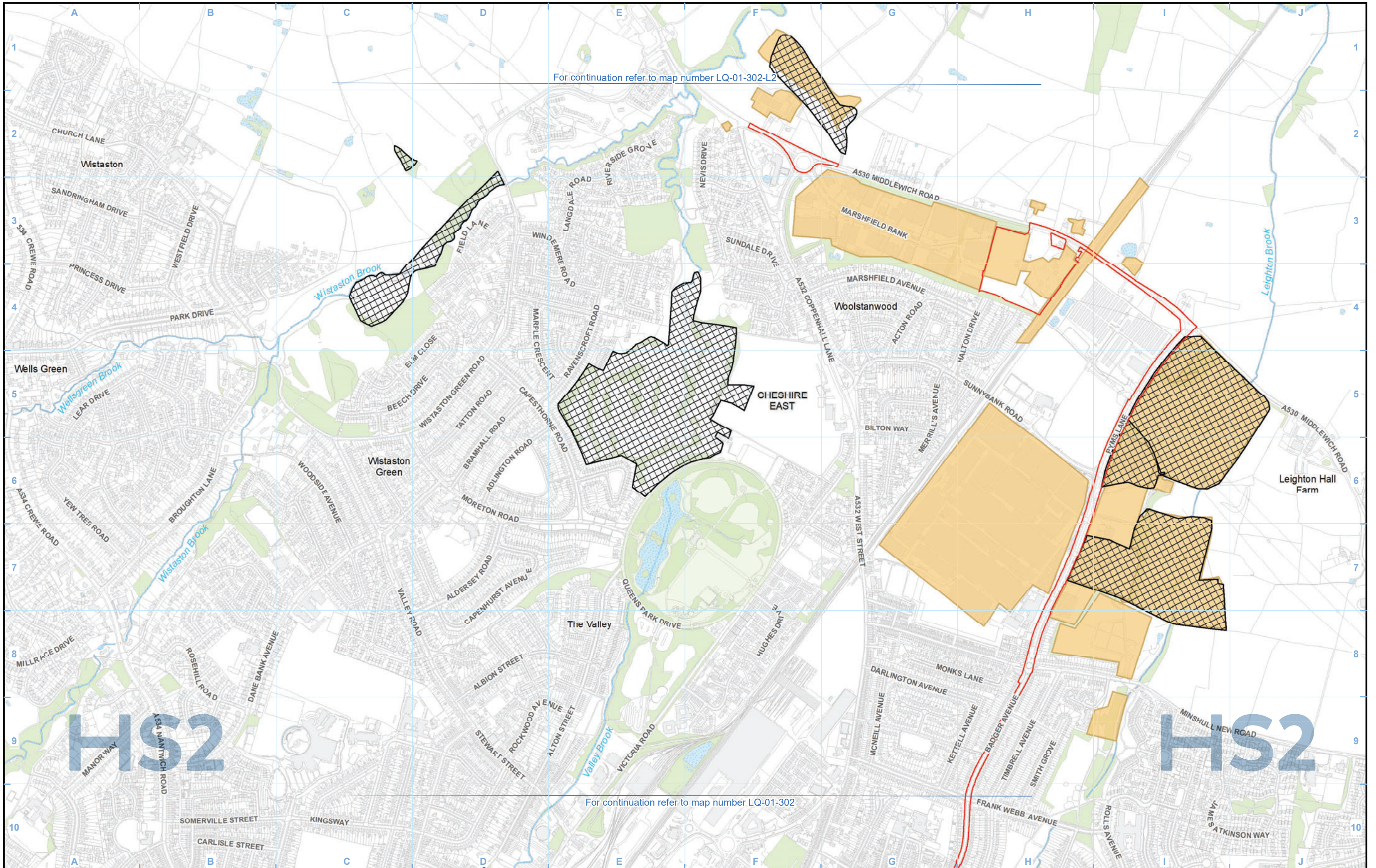
Doc Number: 2DE01-MWJ-EV-MAP-M000-001720-P01

Date: 09/08/21



For continuation refer to map number LQ-01-302-L2

For continuation refer to map number LQ-01-302



**Legend**

	Route in tunnel		Watercourse
	Route on surface		Water body
	Depot, station, headhouse or portal building		Woodland
	Land potentially required during construction		Registered park/garden
	Community area boundary		
	County boundary		
	District/Borough boundary		

	Landfill site (historical or active)
	Geoconservation site
	Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
	Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
01-126	Site No.
—	CA No.

*Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.*

Map Number	LQ-01-302-L1
Map Name	Land Quality
	Community Area MA01: Hough to Walley's Green

**HS2**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

© Crown copyright and database rights 2020  
OS 100049190

Doc Number: 2DE01-MWJ-EV-MAP-M000-002786-P01

Scale at A3: 1:10,000

0 100 200 300 400 Metres

Date: 09/08/21





For continuation refer to map number LQ-01-302-L1

- Legend**
- Route in tunnel
  - Route on surface
  - Depot, station, headhouse or portal building
  - Land potentially required during construction
  - Community area boundary
  - County boundary
  - District/Borough boundary
  - Watercourse
  - Water body
  - Woodland
  - Registered park/garden

- Landfill site (historical or active)
- Geoconservation site
- Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
- Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
- 01-126 — Site No.
- CA No.

*Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.*

Map Number	LQ-01-302-L2
Map Name	Land Quality
Community Area MA01: Hough to Walley's Green	

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway,  
Birmingham B4 6GA.

© Crown copyright and database rights 2020  
OS 100049190

Doc Number: 2DE01-MWJ-EV-MAP-M000-002787-P01

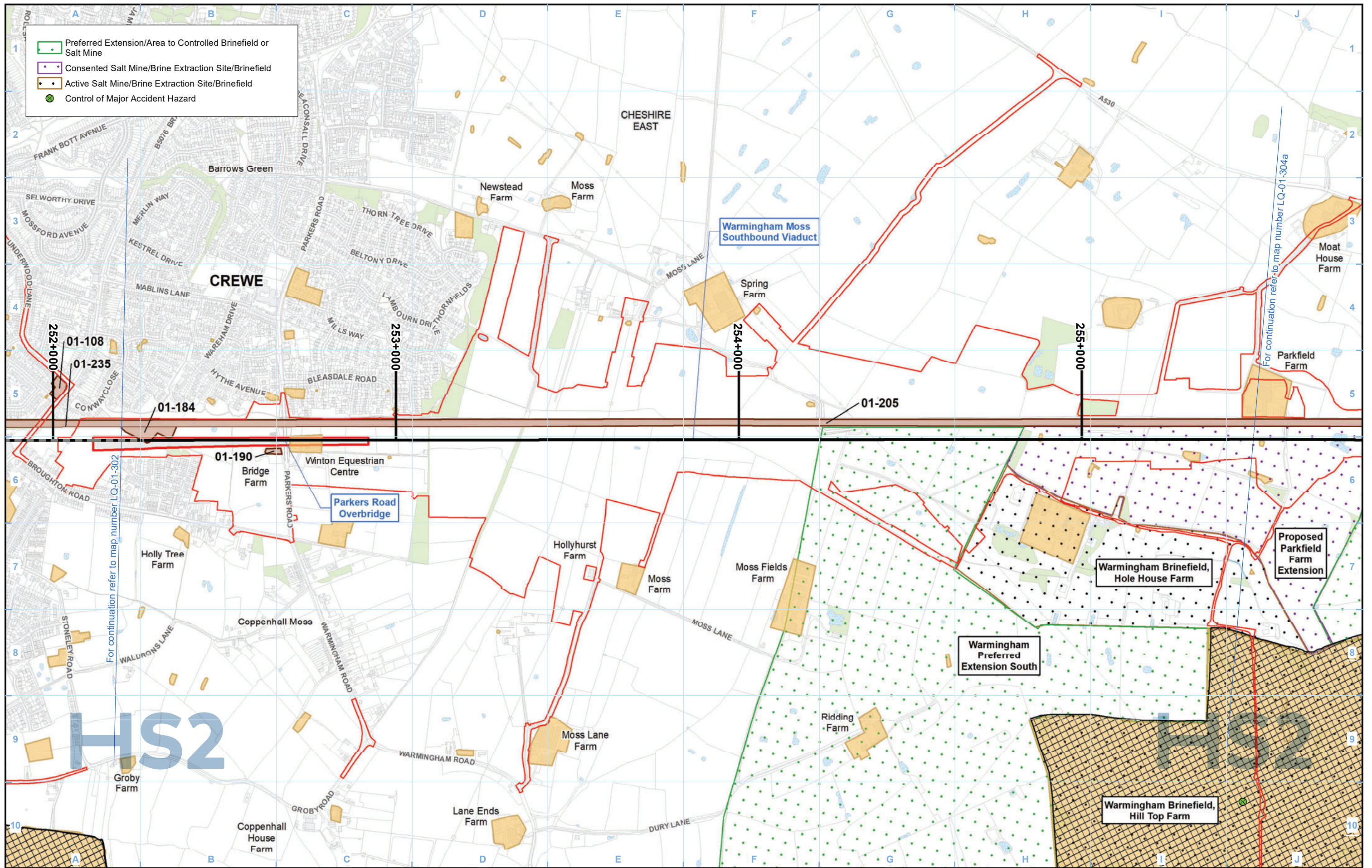
Scale at A3: 1:10,000

Metres

Date: 09/08/21

HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.





- Preferred Extension/Area to Controlled Brinefield or Salt Mine
- Consented Salt Mine/Brine Extraction Site/Brinefield
- Active Salt Mine/Brine Extraction Site/Brinefield
- Control of Major Accident Hazard

- Legend**
- Route in tunnel
  - Route on surface
  - Depot, station, headhouse or portal building
  - Land potentially required during construction
  - Community area boundary
  - County boundary
  - District/Borough boundary
  - Watercourse
  - Water body
  - Woodland
  - Registered park/garden
  - Landfill site (historical or active)
  - Geoconservation site
  - Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
  - Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
  - 01-126 — Site No.
  - CA No.

Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details.  
A Shale Prospective Area covers the entire study area.

Map Number	LQ-01-303
Map Name	Land Quality
Community Area MA01: Hough to Walley's Green	

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

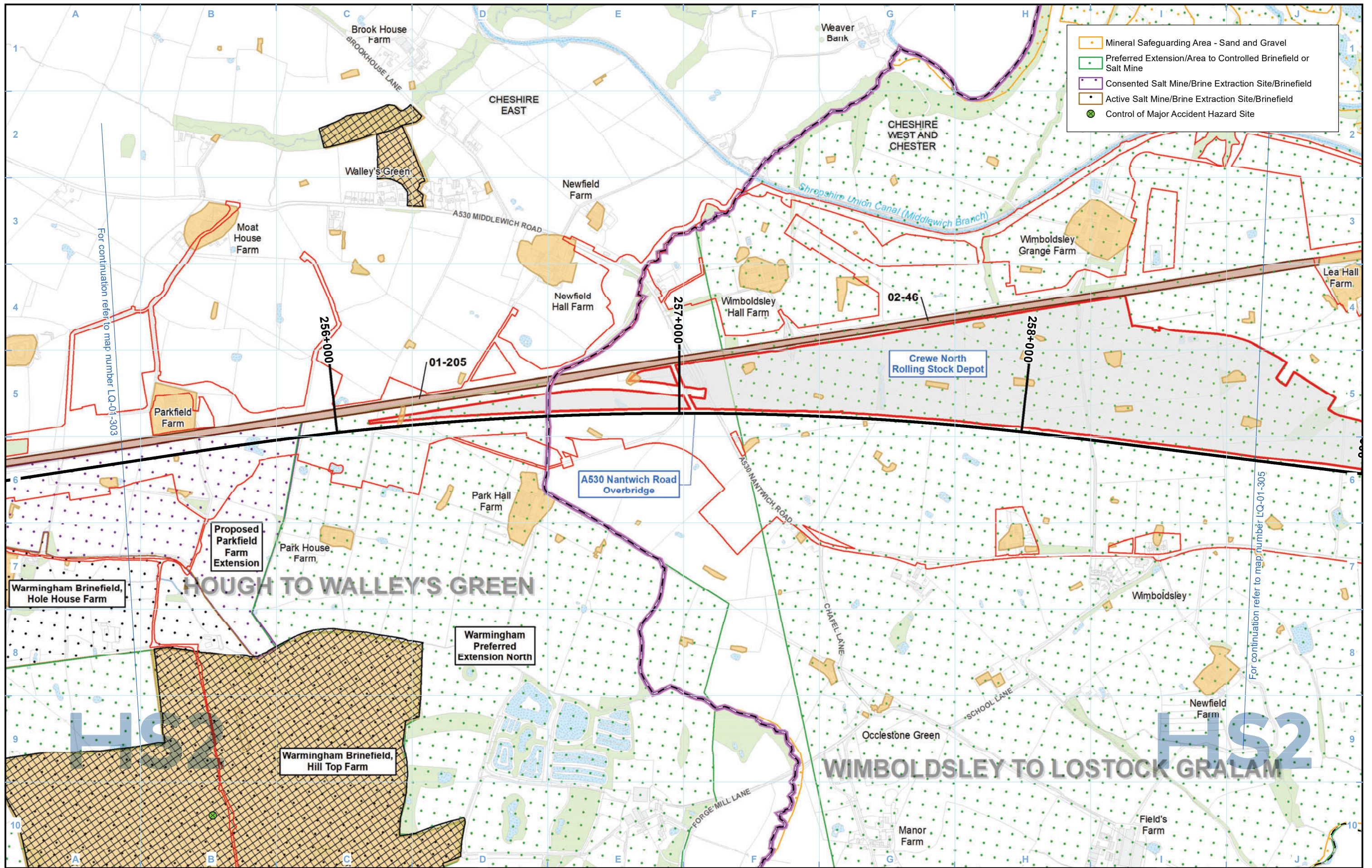
© Crown copyright and database rights 2020  
OS 100049190

Doc Number: 2DE01-MWJ-EV-MAP-M000-001721-P01

Scale at A3: 1:10,000

Date: 09/08/21





	Mineral Safeguarding Area - Sand and Gravel
	Preferred Extension/Area to Controlled Brinefield or Salt Mine
	Consented Salt Mine/Brine Extraction Site/Brinefield
	Active Salt Mine/Brine Extraction Site/Brinefield
	Control of Major Accident Hazard Site

**Legend**

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

- Watercourse
- Water body
- Woodland
- Registered park/garden

- Landfill site (historical or active)
- Geoconservation site
- Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
- Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
- 01-126 — Site No.
- CA No.

*Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details.*  
*A Shale Prospective Area covers the entire study area.*

Map Number	LQ-01-304a
Map Name	Land Quality
Community Area MA01: Hough to Walley's Green	

**HS2**

Registered in England. Registration number 06791686.  
 Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

© Crown copyright and database rights 2020  
 OS 100049190

Scale at A3: 1:10,000

Doc Number: 2DE01-MWJ-EV-MAP-M000-001722-P01

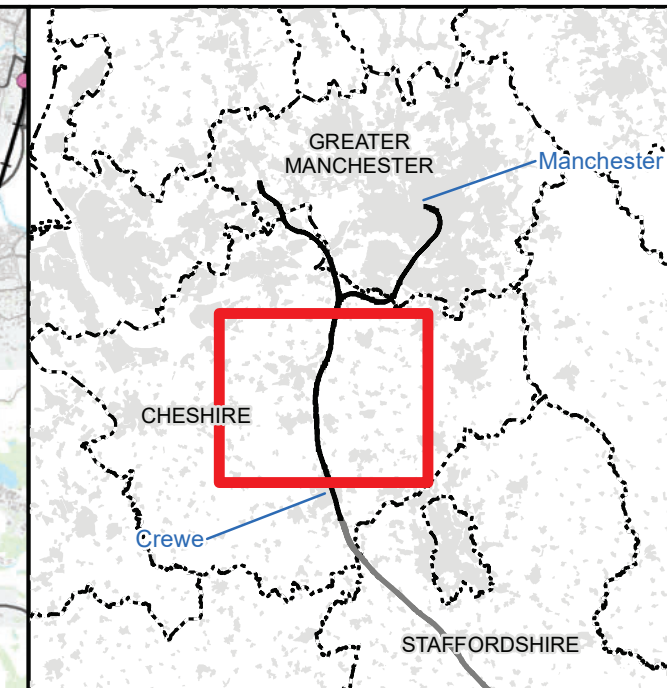
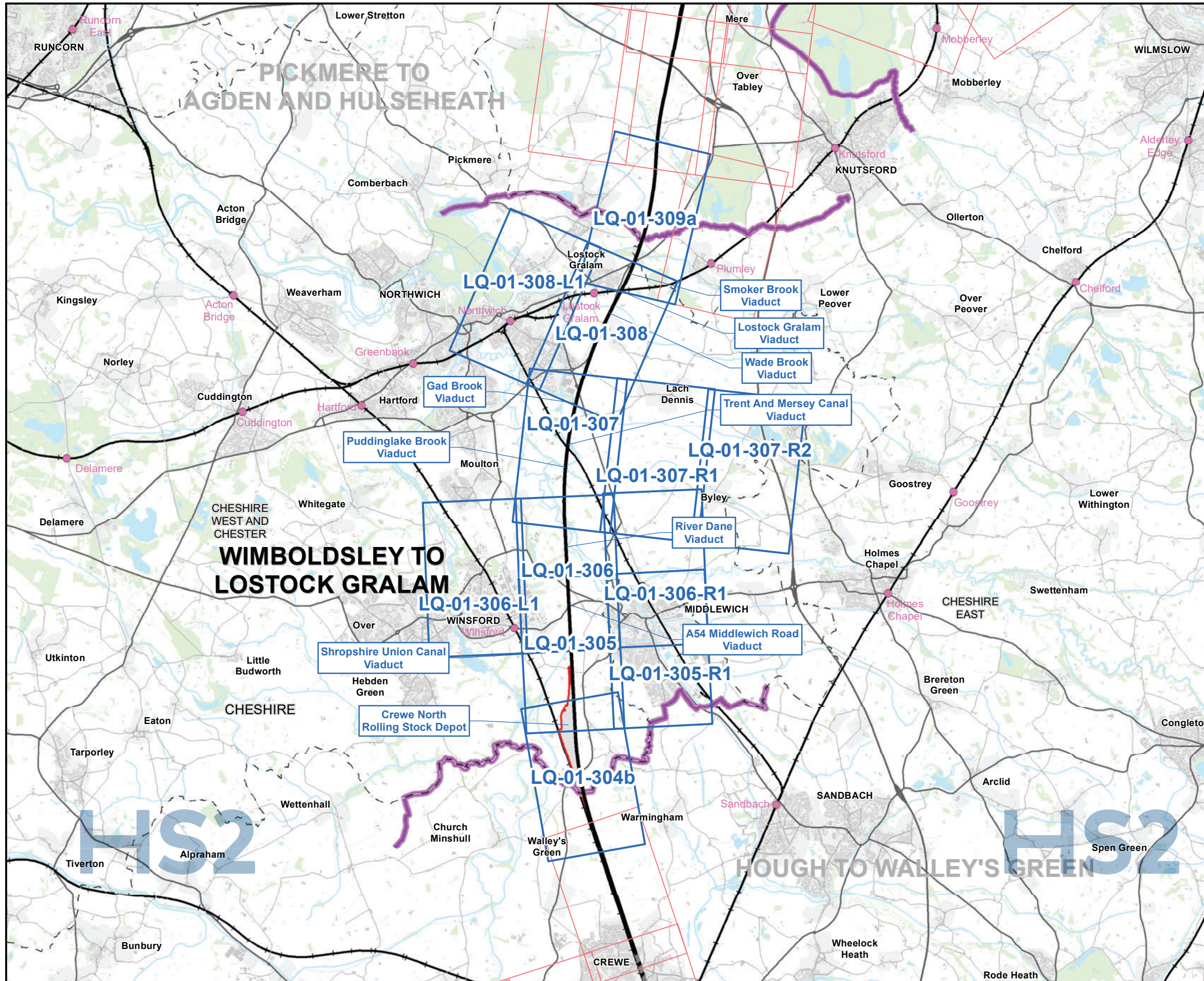
Date: 09/08/21



# **High Speed Rail (Crewe – Manchester) Environmental Statement**

MA02: Wimboldsley to Lostock Gralam  
LQ-01 - Land Quality





### Map Series Information:

This Land Quality mapping shows potential sources of existing contamination close to the route as well as historical and operational landfill sites, current and potential future mining or mineral exploitation and geoconservation sites

- Main Map Legend**
- Route in tunnel
  - Route on surface
  - Depot, station, headhouse or portal building
  - Community area boundary
  - Existing railway station
  - County boundary
  - District/Borough boundary
  - Map sheets included in this community area
  - Map sheets not included in this community area

Map Number	LQ-01-INDEX-MA02
Map Name	Index Map of: Land Quality
	Community Area MA02: Wimboldsley to Lostock Gralam

**HS2** HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

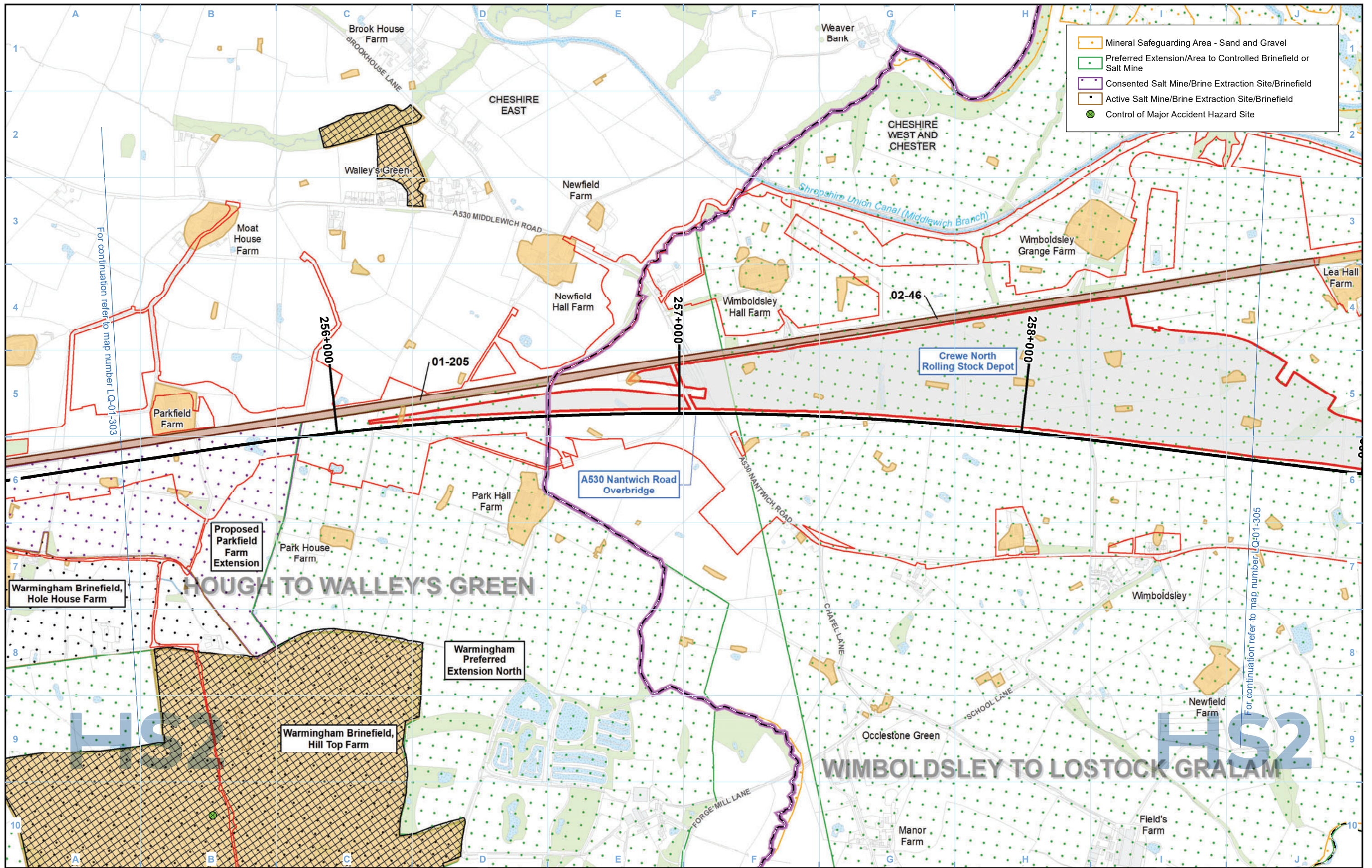
Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6QA.

© Crown copyright and database rights 2020  
OS 100049190

Scale at A3: 1:100,000

Doc Number: 2DE01-MWJ-EV-MAP-M000-001755-P01 Date: 09/08/21





	Mineral Safeguarding Area - Sand and Gravel
	Preferred Extension/Area to Controlled Brinefield or Salt Mine
	Consented Salt Mine/Brine Extraction Site/Brinefield
	Active Salt Mine/Brine Extraction Site/Brinefield
	Control of Major Accident Hazard Site

**Legend**

	Route in tunnel		Watercourse
	Route on surface		Water body
	Depot, station, headhouse or portal building		Woodland
	Land potentially required during construction		Registered park/garden
	Community area boundary		Landfill site (historical or active)
	County boundary		Geoconservation site
	District/Borough boundary		Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
			Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme

Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.

01-126 — Site No.  
 — CA No.

Map Number	LQ-01-304b
Map Name	Land Quality
Community Area MA02: Wimboldsley to Lostock Gralam	

**HS2**

Registered in England. Registration number 06791686.  
 Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

© Crown copyright and database rights 2020  
 OS 100049190

Scale at A3: 1:10,000

Doc Number: 2DE01-MWJ-EV-MAP-M000-001723-P01

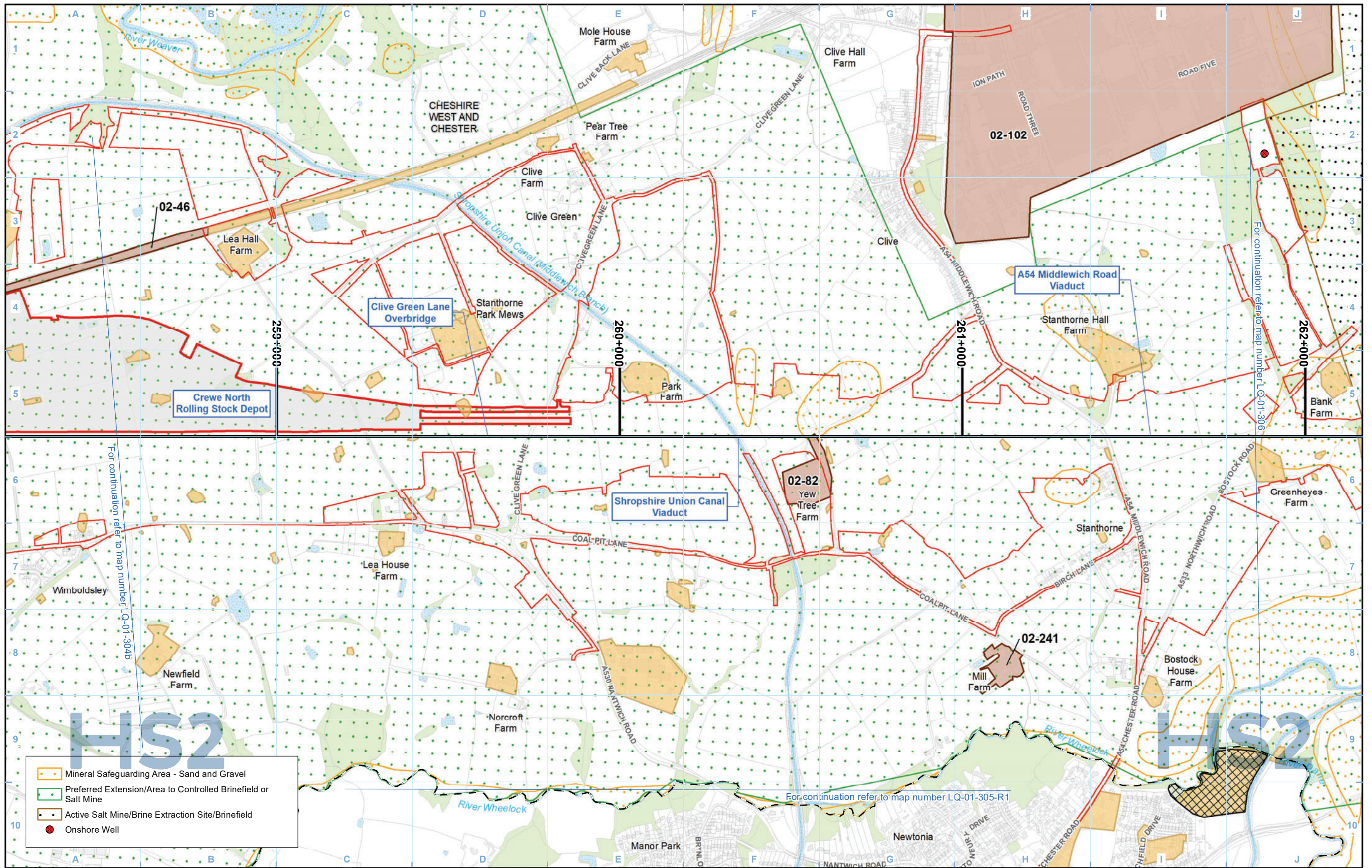
Date: 09/08/21

HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

Scale at A3: 1:10,000

0 100 200 300 400 Metres





**HS2**

- Mineral Safeguarding Area - Sand and Gravel
- Preferred Extension/Area to Controlled Brinefield or Salt Mine
- Active Salt Mine/Brine Extraction Site/Brinefield
- Onshore Well

**Legend**

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Land potentially required during construction
- Community area boundary
- County boundary
- District/Borough boundary
- Watercourse
- Water body
- Woodland
- Registered park/garden
- Landfill site (historical or active)
- Geoconservation site
- Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
- Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
- 01-126 — Site No.
- CA No.

Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.

Map Number	LQ-01-305
Map Name	Land Quality
Community Area MA02: Wimboldsley to Lostock Gralam	

**HS2**

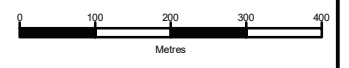
Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

© Crown copyright and database rights 2020  
OS 100049190

Scale at A3: 1:10,000

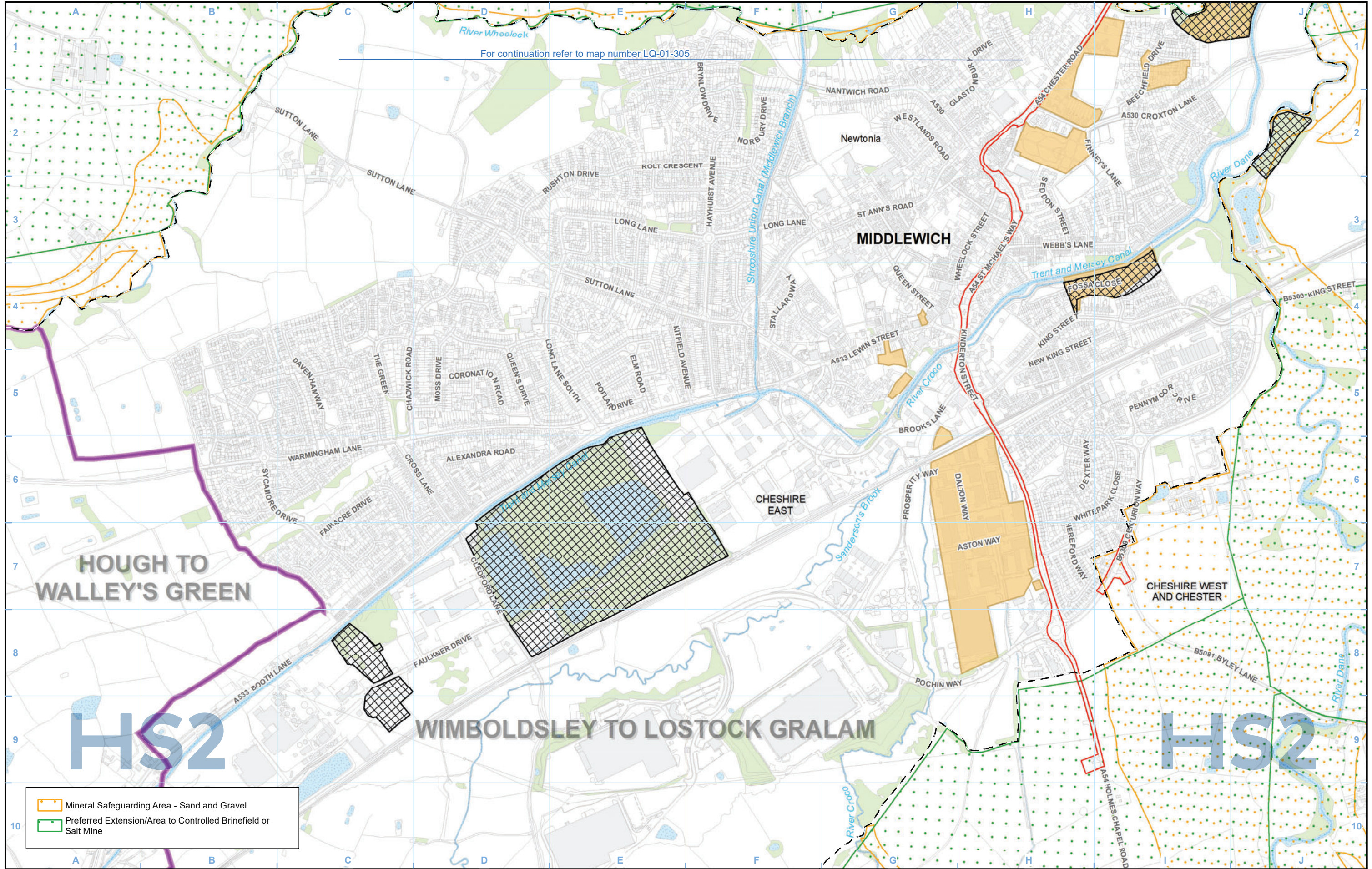
Doc Number: 2DE01-MWJ-EV-MAP-M000-001724-P01

Date: 09/08/21





For continuation refer to map number LQ-01-305



	Mineral Safeguarding Area - Sand and Gravel
	Preferred Extension/Area to Controlled Brinefield or Salt Mine

**Legend**

	Route in tunnel		Watercourse
	Route on surface		Water body
	Depot, station, headhouse or portal building		Woodland
	Land potentially required during construction		Registered park/garden
	Community area boundary		
	County boundary		
	District/Borough boundary		

	Landfill site (historical or active)
	Geoconservation site
	Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
	Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
	01-126 Site No.
	CA No.

*Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.*

Map Number	LQ-01-305-R1
Map Name	Land Quality
Community Area MA02: Wimboldsley to Lostock Gralam	

**HS2**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

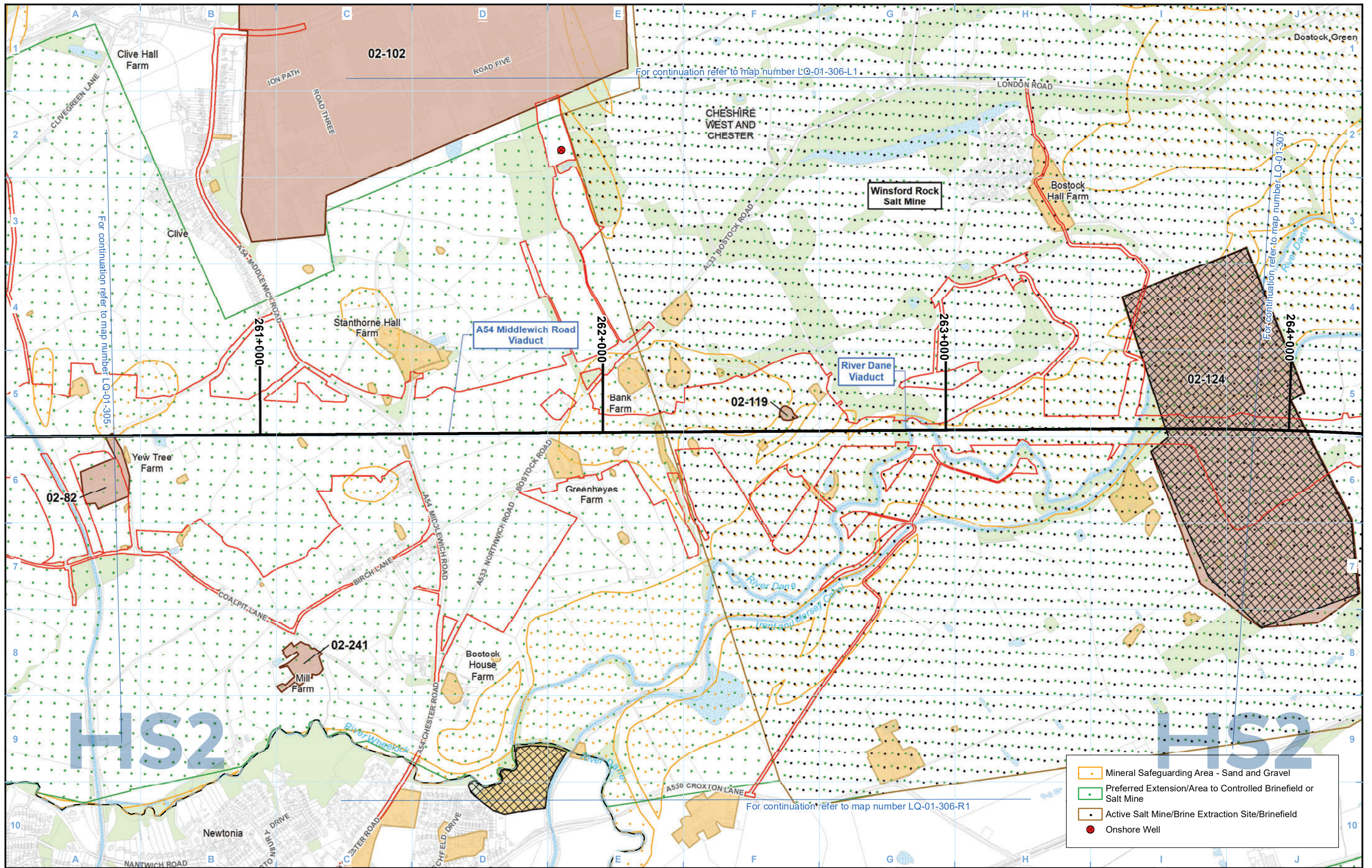
Scale at A3: 1:10,000

© Crown copyright and database rights 2020  
OS 100049190

Doc Number: 2DE01-MWJ-EV-MAP-M000-002789-P01

Date: 09/08/21





- Legend**
- Route in tunnel
  - Route on surface
  - Depot, station, headhouse or portal building
  - Land potentially required during construction
  - Community area boundary
  - County boundary
  - District/Borough boundary
  - Watercourse
  - Water body
  - Woodland
  - Registered park/garden
  - Landfill site (historical or active)
  - Geoconservation site
  - Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
  - Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
  - Site No.
  - CA No.

Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.

Map Number	LQ-01-306
Map Name	Land Quality
	Community Area MA02: Wimboldsley to Lostock Gralam

- Mineral Safeguarding Area - Sand and Gravel
- Preferred Extension/Area to Controlled Brinefield or Salt Mine
- Active Salt Mine/Brine Extraction Site/Brinefield
- Onshore Well

**HS2**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

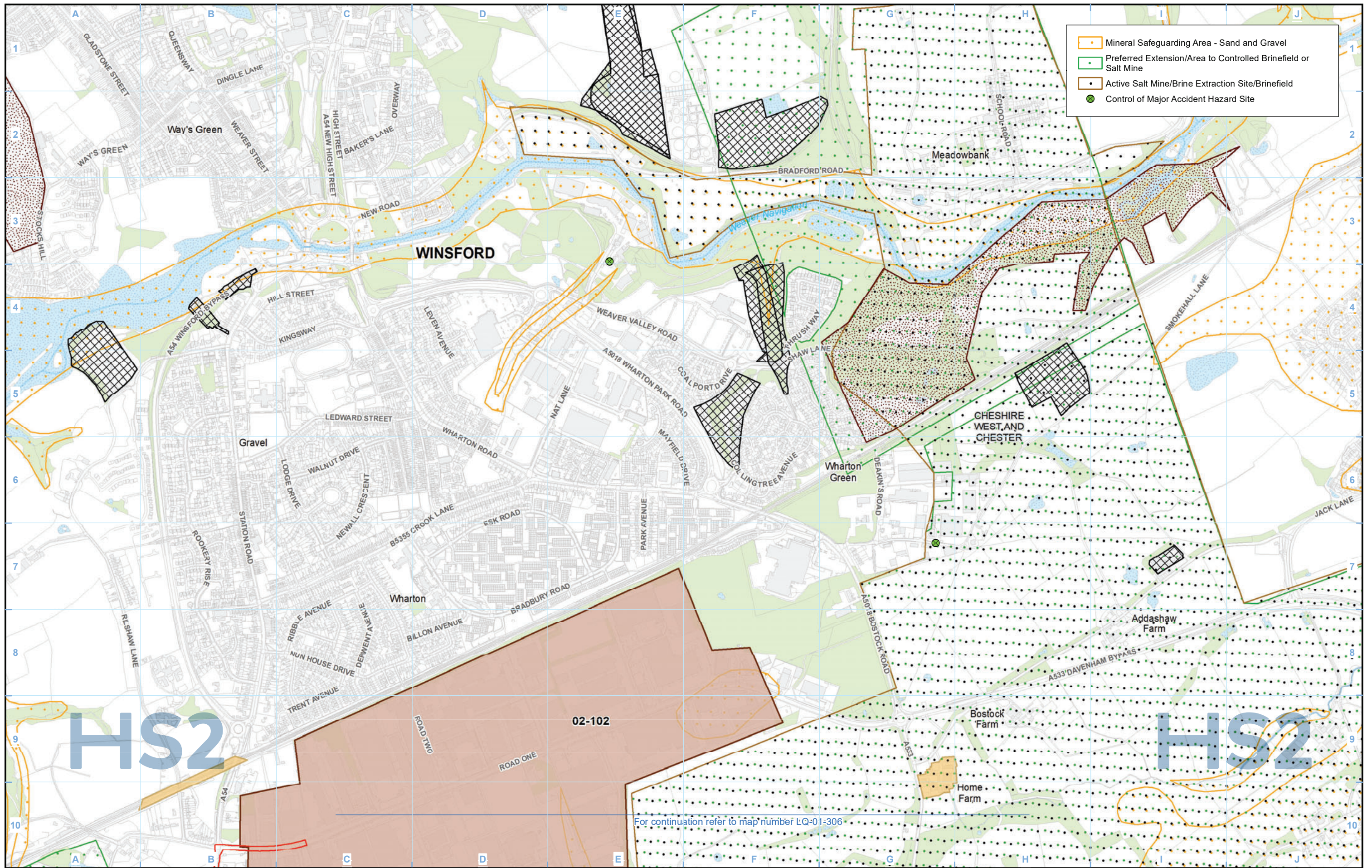
© Crown copyright and database rights 2020  
OS 100049190

Scale at A3: 1:10,000

Doc Number: 2DE01-MWJ-EV-MAP-M000-001725-P01

Date: 09/08/21





- Mineral Safeguarding Area - Sand and Gravel
- Preferred Extension/Area to Controlled Brinefield or Salt Mine
- Active Salt Mine/Brine Extraction Site/Brinefield
- Control of Major Accident Hazard Site

**Legend**

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Land potentially required during construction
- Community area boundary
- County boundary
- District/Borough boundary
- Watercourse
- Water body
- Woodland
- Registered park/garden
- Landfill site (historical or active)
- Geoconservation site
- Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
- Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
- 01-126 — Site No.
- CA No.

Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.

Map Number: LQ-01-306-L1

Map Name: Land Quality

Community Area MA02: Wimboldsley to Lostock Gralam

**HS2**

Registered in England. Registration number 06791686. Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

© Crown copyright and database rights 2020 OS 100049190

Doc Number: 2DE01-MWJ-EV-MAP-M000-002778-P01

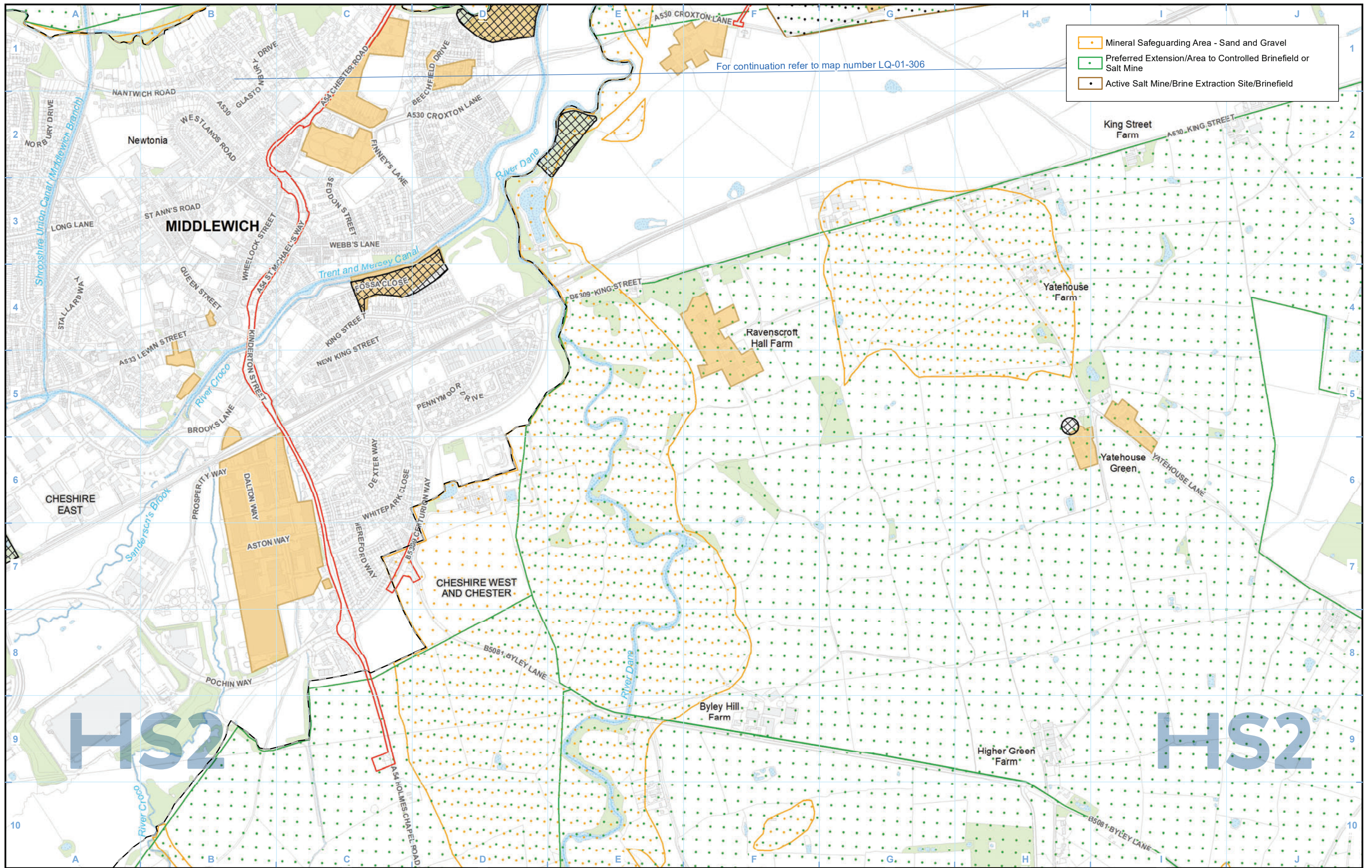
Date: 09/08/21

Scale at A3: 1:10,000

0 100 200 300 400 Metres

For continuation refer to map number LQ-01-306





For continuation refer to map number LQ-01-306

	Mineral Safeguarding Area - Sand and Gravel
	Preferred Extension/Area to Controlled Brinefield or Salt Mine
	Active Salt Mine/Brine Extraction Site/Brinefield

**Legend**

	Route in tunnel		Watercourse		Landfill site (historical or active)
	Route on surface		Water body		Geoconservation site
	Depot, station, headhouse or portal building		Woodland		Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
	Land potentially required during construction		Registered park/garden		Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
	Community area boundary				01-126 — Site No.
	County boundary				CA No.
	District/Borough boundary				

*Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.*

Map Number	LQ-01-306-R1
Map Name	Land Quality
Community Area MA02: Wimboldsley to Lostock Gralam	

**HS2**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6QA.

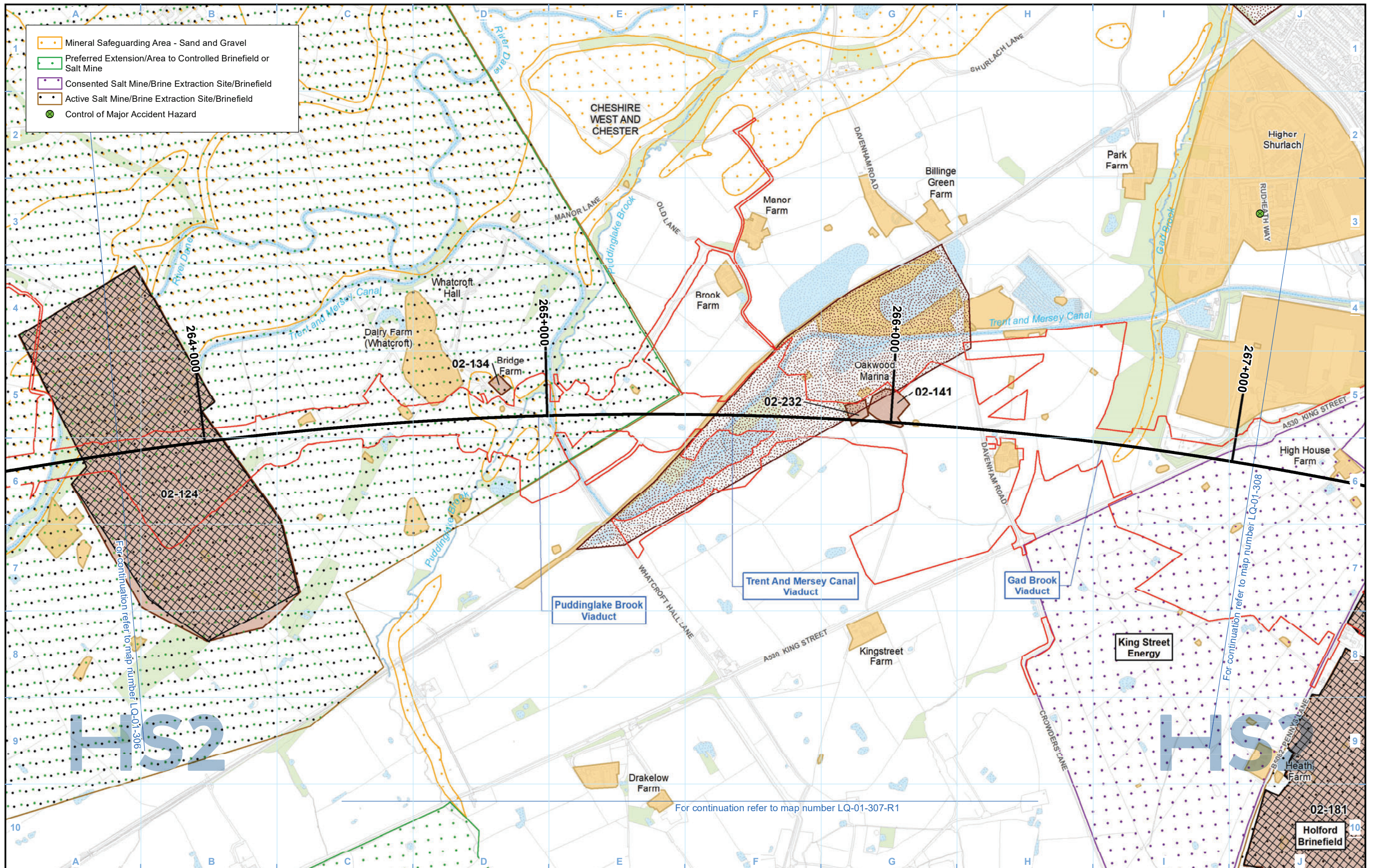
Scale at A3: 1:10,000

© Crown copyright and database rights 2020  
OS 100049190

Doc Number: 2DE01-MWJ-EV-MAP-M000-002779-P01

Date: 09/08/21





**Legend**

- Mineral Safeguarding Area - Sand and Gravel
- Preferred Extension/Area to Controlled Brinefield or Salt Mine
- Consented Salt Mine/Brine Extraction Site/Brinefield
- Active Salt Mine/Brine Extraction Site/Brinefield
- Control of Major Accident Hazard

**Legend**

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Land potentially required during construction
- Community area boundary
- County boundary
- District/Borough boundary
- Watercourse
- Water body
- Woodland
- Registered park/garden
- Landfill site (historical or active)
- Geoconservation site
- Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
- Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
- 01-126 Site No.
- CA No.

Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.

Map Number	LQ-01-307
Map Name	Land Quality
	Community Area MA02: Wimboldsley to Lostock Gralam

**HS2**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

© Crown copyright and database rights 2020  
OS 100049190

Doc Number: 2DE01-MWJ-EV-MAP-M000-001726-P01

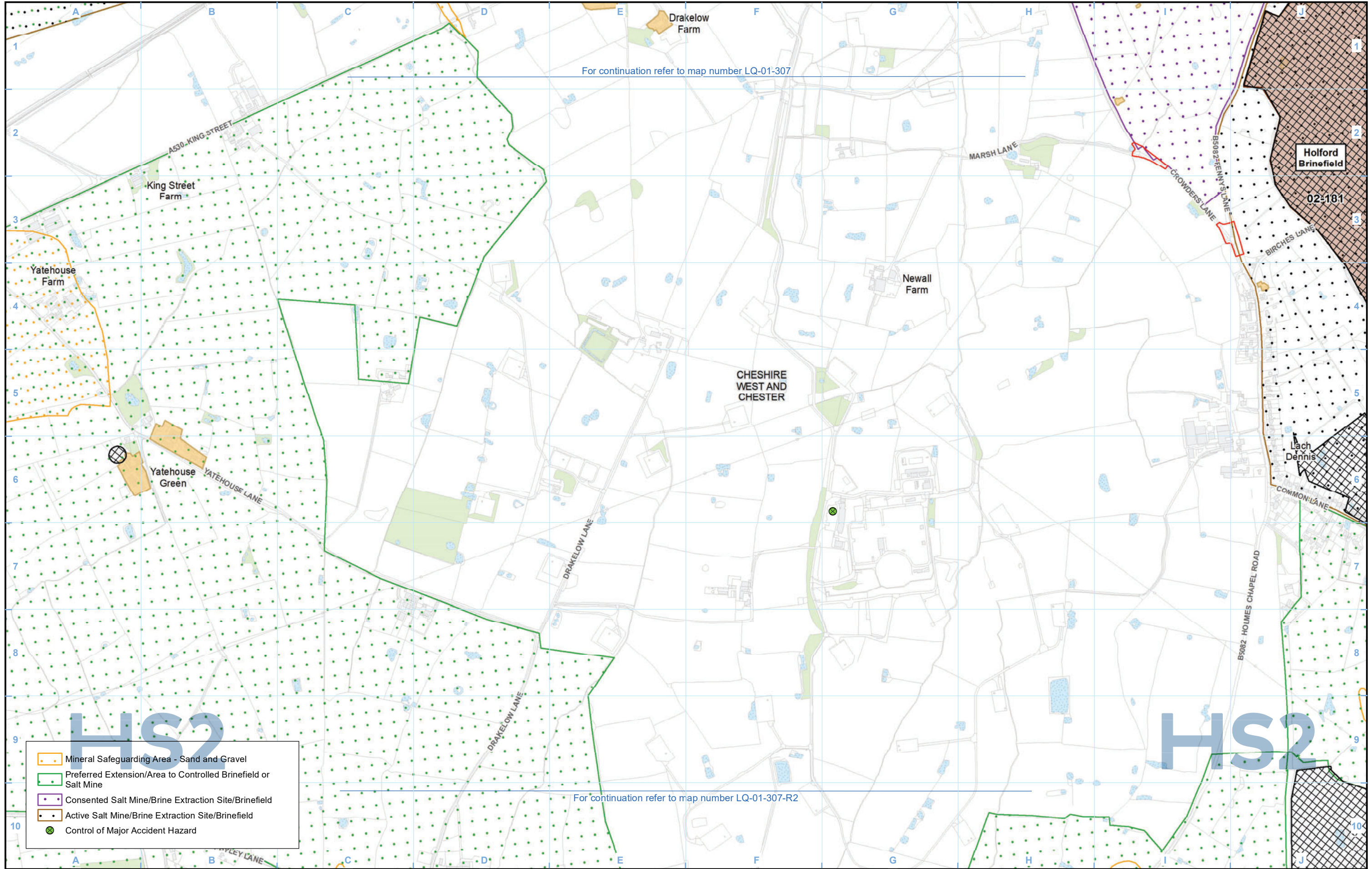
Scale at A3: 1:10,000

0 100 200 300 400 Metres

Date: 09/08/21

HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.





For continuation refer to map number LQ-01-307

For continuation refer to map number LQ-01-307-R2

- Mineral Safeguarding Area - Sand and Gravel
- Preferred Extension/Area to Controlled Brinefield or Salt Mine
- Consented Salt Mine/Brine Extraction Site/Brinefield
- Active Salt Mine/Brine Extraction Site/Brinefield
- Control of Major Accident Hazard

- Legend**
- Route in tunnel
  - Route on surface
  - Depot, station, headhouse or portal building
  - Land potentially required during construction
  - Community area boundary
  - County boundary
  - District/Borough boundary
  - Watercourse
  - Water body
  - Woodland
  - Registered park/garden
  - Landfill site (historical or active)
  - Geoconservation site
  - Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
  - Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
  - 01-126 Site No.
  - CA No.

Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.

Map Number	LQ-01-307-R1
Map Name	Land Quality
	Community Area MA02: Wimboldsley to Lostock Gralam

HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

© Crown copyright and database rights 2020  
OS 100049190

Doc Number: 2DE01-MWJ-EV-MAP-M000-002407-P01

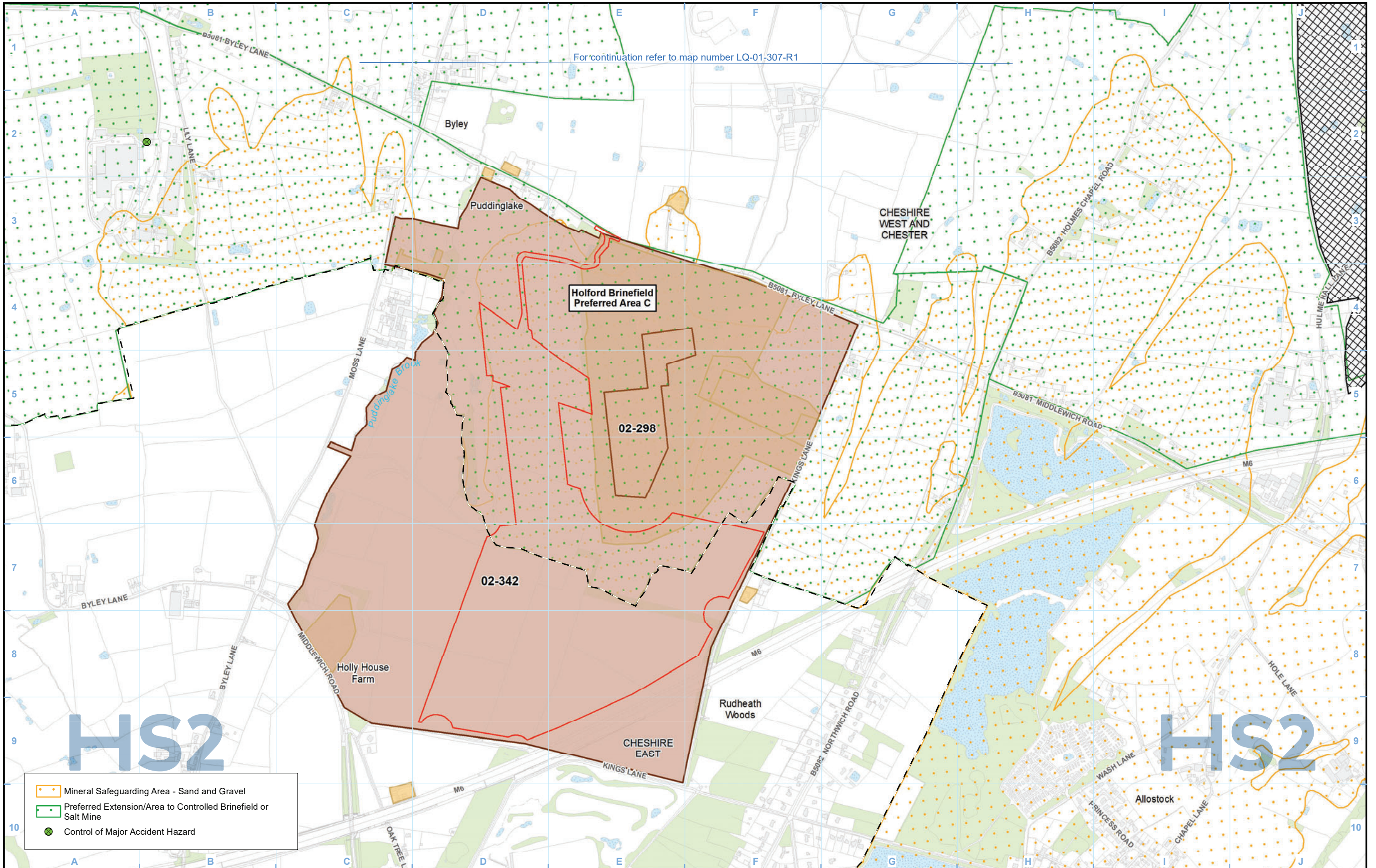
Scale at A3: 1:10,000

Metres

Date: 09/08/21



For continuation refer to map number LQ-01-307-R1



**Legend**

- Mineral Safeguarding Area - Sand and Gravel
- Preferred Extension/Area to Controlled Brinefield or Salt Mine
- Control of Major Accident Hazard

**Legend**

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Land potentially required during construction
- Community area boundary
- County boundary
- District/Borough boundary
- Watercourse
- Water body
- Woodland
- Registered park/garden
- Landfill site (historical or active)
- Geoconservation site
- Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
- Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
- 01-126 — Site No.
- CA No.

Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.

Map Number: LQ-01-307-R2

Map Name: Land Quality

Community Area MA02: Wimboldsley to Lostock Gralam

**HS2**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

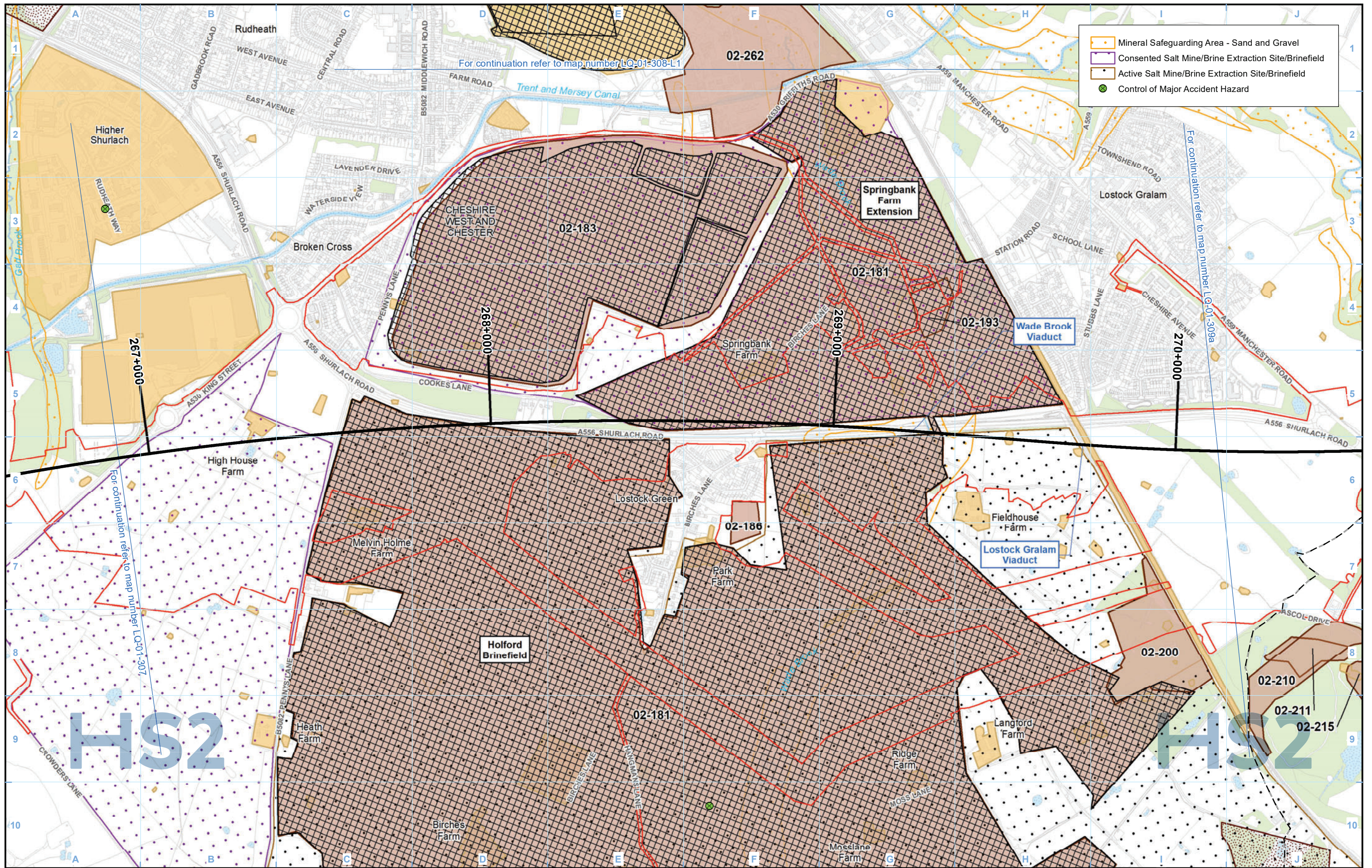
Scale at A3: 1:10,000

© Crown copyright and database rights 2020  
OS 100049190

Doc Number: 2DE01-MWJ-EV-MAP-M000-002408-P01

Date: 09/08/21





Mineral Safeguarding Area - Sand and Gravel  
 Consented Salt Mine/Brine Extraction Site/Brinefield  
 Active Salt Mine/Brine Extraction Site/Brinefield  
 Control of Major Accident Hazard

**Legend**


Landfill site (historical or active)  
 Geoconservation site  
 Area assessed as not posing a contaminative risk in relation to the Proposed Scheme  
 Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme  
 01-126 — Site No.  
 — CA No.

Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details.  
 A Shale Prospective Area covers the entire study area.

Map Number	LQ-01-308
Map Name	Land Quality
Community Area MA02: Wimboldsley to Lostock Gralam	

HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

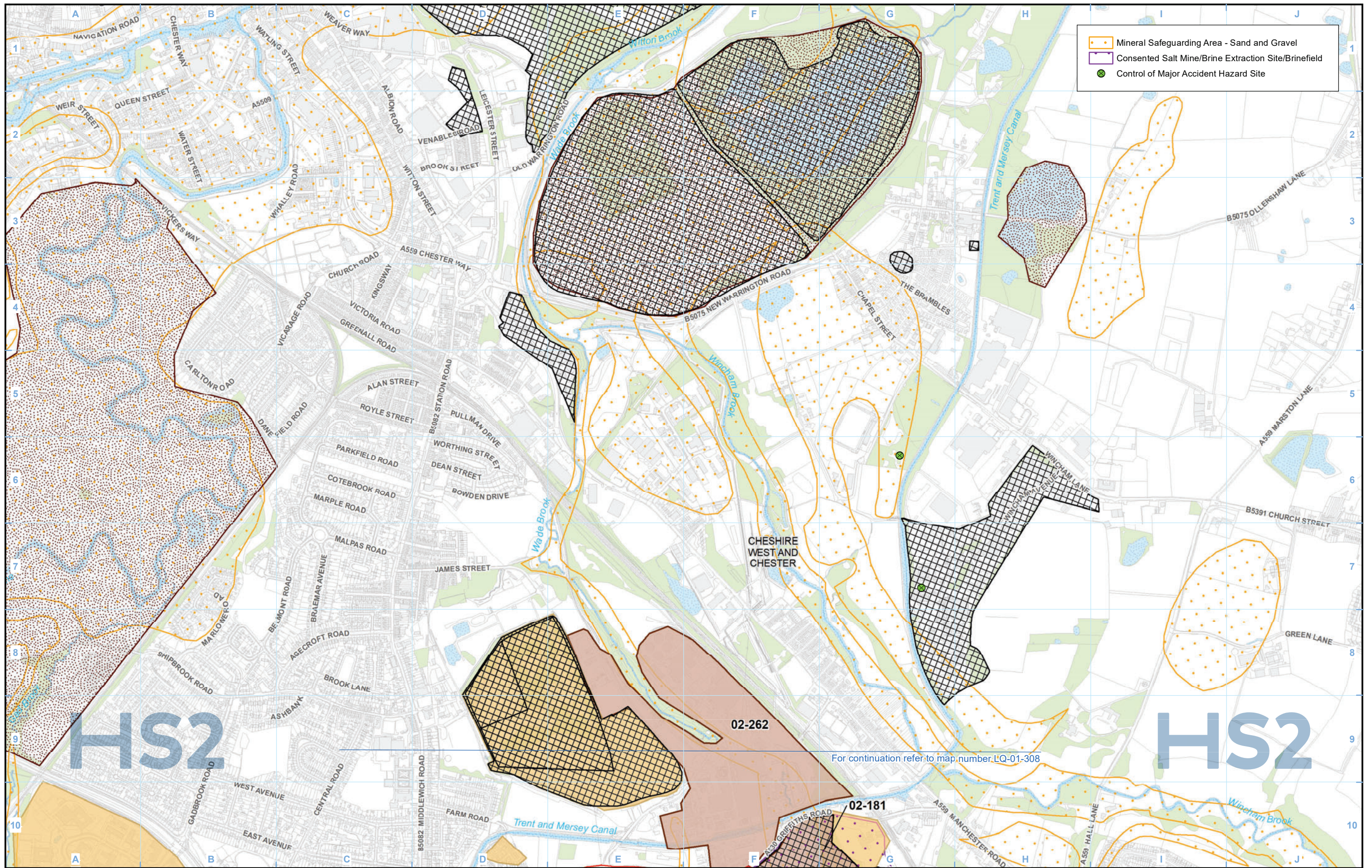
Registered in England. Registration number 06791686.  
 Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:10,000  

 Metres

© Crown copyright and database rights 2020  
 OS 100049190  
 Doc Number: 2DE01-MWJ-EV-MAP-M000-001727-P01  
 Date: 09/08/21





**Legend**

	Route in tunnel		Watercourse
	Route on surface		Water body
	Depot, station, headhouse or portal building		Woodland
	Land potentially required during construction		Registered park/garden
	Community area boundary		
	County boundary		
	District/Borough boundary		

	Landfill site (historical or active)
	Geoconservation site
	Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
	Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
	01-126 — Site No.
	— CA No.

*Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details.*  
*A Shale Prospective Area covers the entire study area.*

Map Number	LQ-01-308-L1
Map Name	Land Quality
Community Area MA02: Wimboldsley to Lostock Gralam	

**HS2**

Registered in England. Registration number 06791686.  
 Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

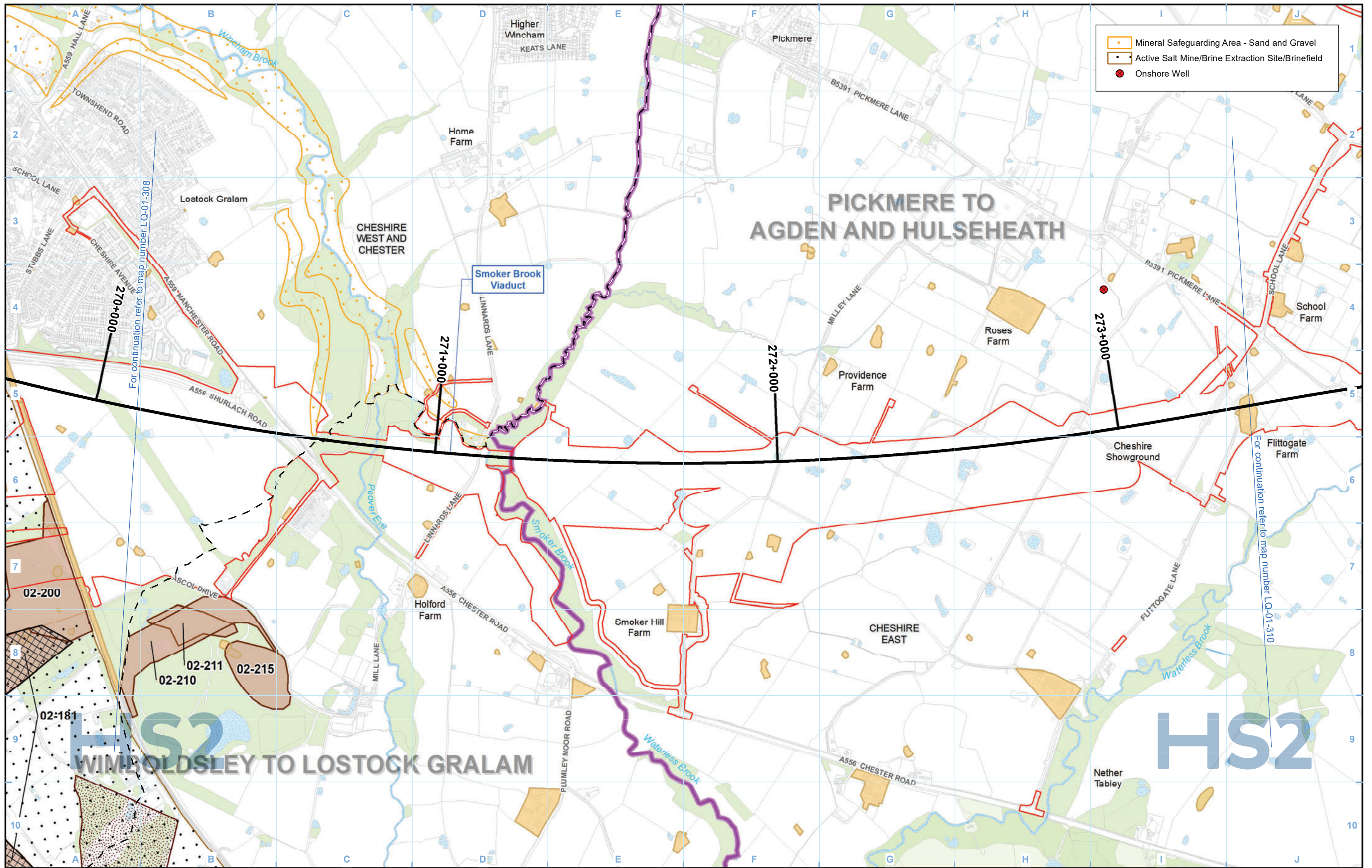
Scale at A3: 1:10,000

© Crown copyright and database rights 2020  
 OS 100049190

Doc Number: 2DE01-MWJ-EV-MAP-M000-003681-P01

Date: 09/08/21





	Mineral Safeguarding Area - Sand and Gravel
	Active Salt Mine/Brine Extraction Site/Brinefield
	Onshore Well

**Legend**

	Route in tunnel		Watercourse
	Route on surface		Water body
	Depot, station, headhouse or portal building		Woodland
	Land potentially required during construction		Registered park/garden
	Community area boundary		Landfill site (historical or active)
	County boundary		Geoconservation site
	District/Borough boundary		Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
			Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme

01-126 — Site No.  
 CA No.

*Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.*

Map Number	LQ-01-309a
Map Name	Land Quality
Community Area MA02: Wimboldsley to Lostock Gralam	

**HS2**

Registered in England. Registration number 06791686.  
 Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:10,000

© Crown copyright and database rights 2020  
 OS 100049190

Doc Number: 2DE01-MWJ-EV-MAP-M000-001728-P01

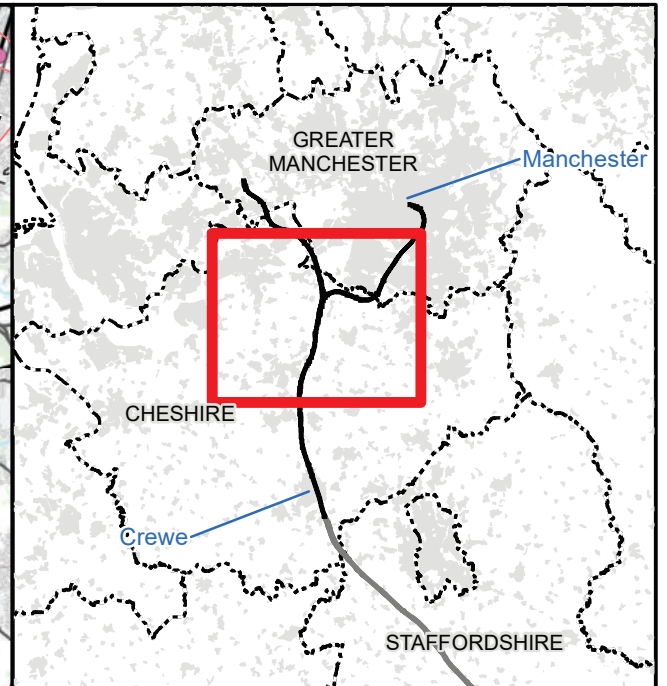
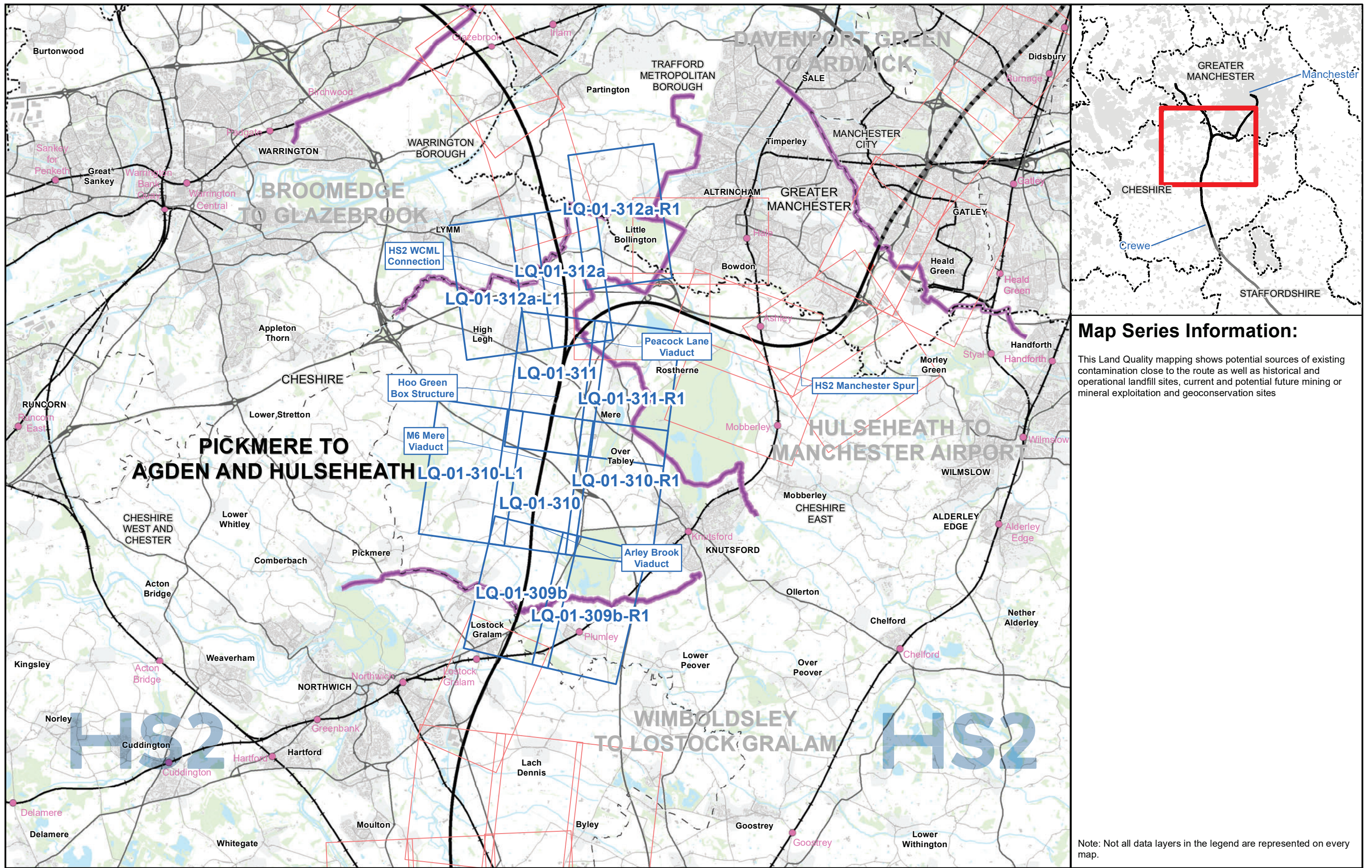
Date: 09/08/21



## **High Speed Rail (Crewe – Manchester) Environmental Statement**

MA03: Pickmere to Agden and Hulseheath  
LQ-01 - Land Quality





**Map Series Information:**

This Land Quality mapping shows potential sources of existing contamination close to the route as well as historical and operational landfill sites, current and potential future mining or mineral exploitation and geoconservation sites

- Main Map Legend**
- Route in tunnel
  - Route on surface
  - Depot, station, headhouse or portal building
  - Community area boundary
  - Existing railway station
  - County boundary
  - District/Borough boundary
  - Map sheets included in this community area
  - Map sheets not included in this community area

Map Number: LQ-01-INDEX-MA03

Map Name: Index Map of: Land Quality

Community Area MA03: Pickmere to Agden and Hulseheath

**HS2**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

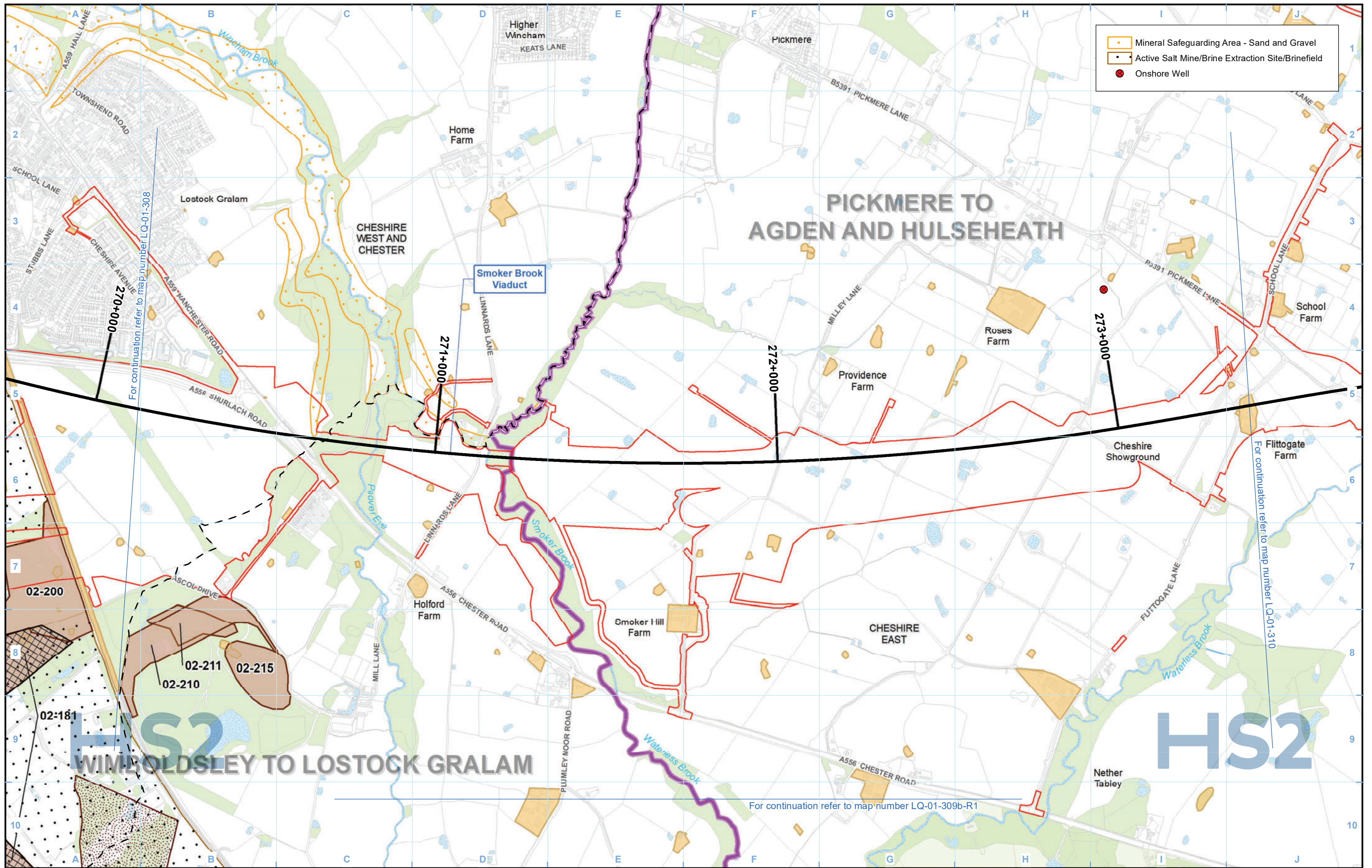
Scale at A3: 1:100,000

© Crown copyright and database rights 2020  
OS 100049190

Doc Number: 2DE01-MWJ-EV-MAP-M000-001756-P01

Date: 09/08/21





- Mineral Safeguarding Area - Sand and Gravel
- Active Salt Mine/Brine Extraction Site/Brinefield
- Onshore Well

**Legend**

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Land potentially required during construction
- Community area boundary
- County boundary
- District/Borough boundary
- Watercourse
- Water body
- Woodland
- Registered park/garden
- Landfill site (historical or active)
- Geoconservation site
- Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
- Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
- 01-126 — Site No.
- CA No.

*Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.*

Map Number: LQ-01-309b

Map Name: Land Quality

Community Area MA03:  
Pickmere to Agden and Hulseheath

**HS2**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

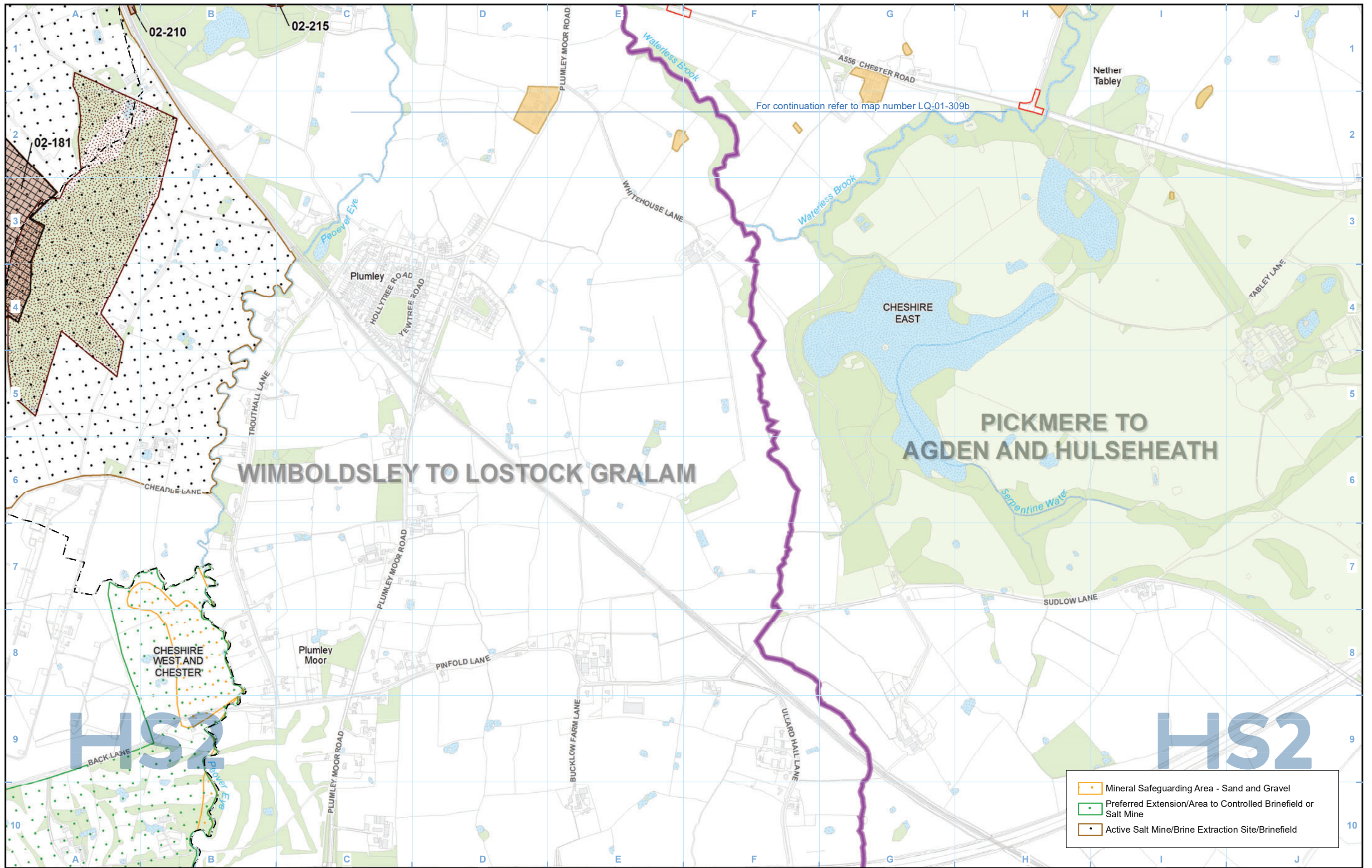
© Crown copyright and database rights 2020  
OS 100049190

Scale at A3: 1:10,000

Doc Number: 2DE01-MWJ-EV-MAP-M000-001729-P01

Date: 09/08/21





Legend	
	Route in tunnel
	Route on surface
	Depot, station, headhouse or portal building
	Land potentially required during construction
	Community area boundary
	County boundary
	District/Borough boundary
	Watercourse
	Water body
	Woodland
	Registered park/garden
	Landfill site (historical or active)
	Geoconservation site
	Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
	Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
	01-126 — Site No.
	— CA No.

Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.

Map Number	LQ-01-309b-R1
Map Name	Land Quality
Community Area MA03: Pickmere to Agden and Hulseheath	

	Mineral Safeguarding Area - Sand and Gravel
	Preferred Extension/Area to Controlled Brinefield or Salt Mine
	Active Salt Mine/Brine Extraction Site/Brinefield

**HS2**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

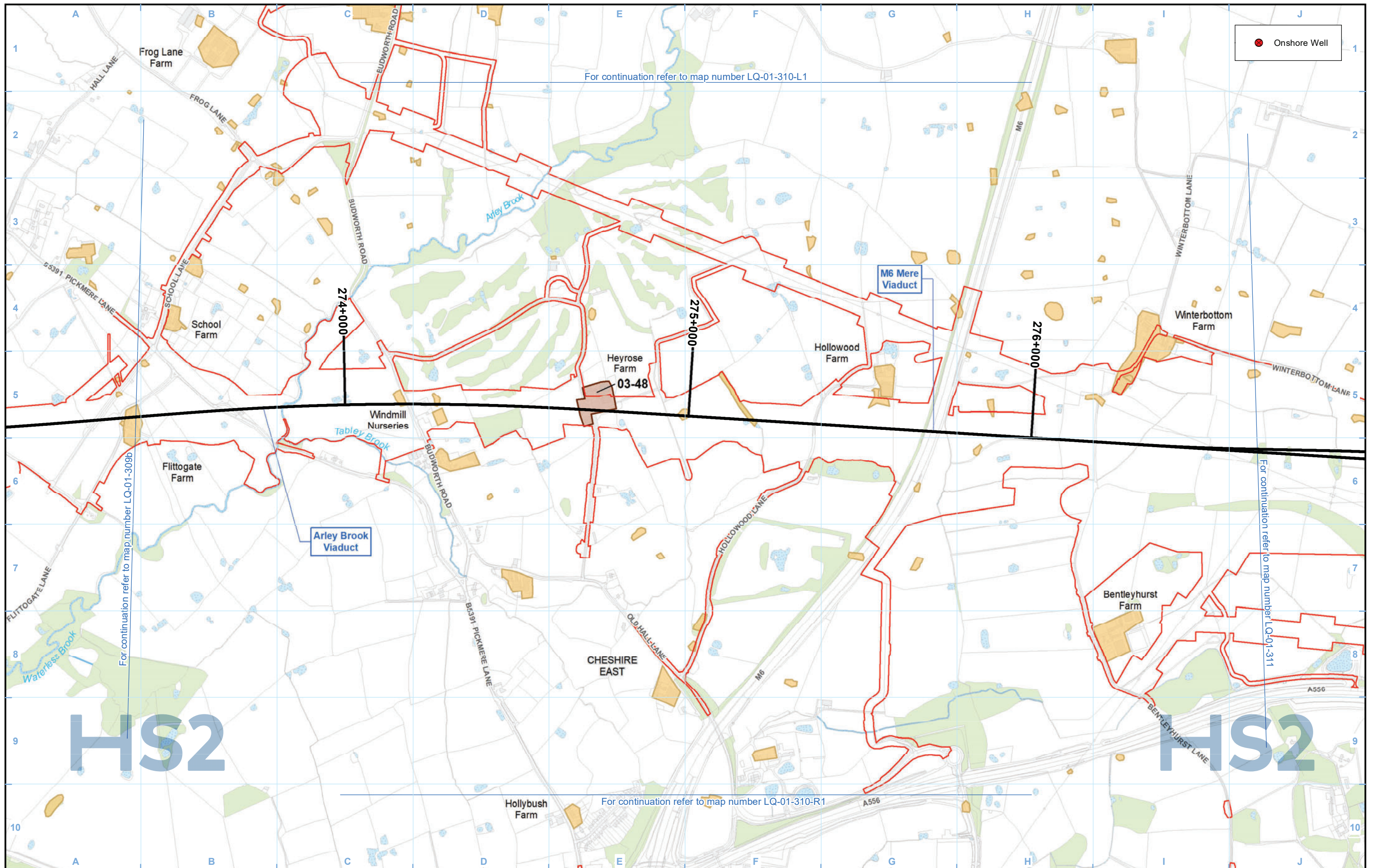
© Crown copyright and database rights 2020  
OS 100049190

Scale at A3: 1:10,000

Doc Number: 2DE01-MWJ-EV-MAP-M000-002777-P01

Date: 09/08/21





● Onshore Well

For continuation refer to map number LQ-01-310-L1

For continuation refer to map number LQ-01-309b

For continuation refer to map number LQ-01-311

For continuation refer to map number LQ-01-310-R1

- Legend**
- Route in tunnel
  - Route on surface
  - Depot, station, headhouse or portal building
  - Land potentially required during construction
  - Community area boundary
  - County boundary
  - District/Borough boundary
  - Watercourse
  - Water body
  - Woodland
  - Registered park/garden
  - Landfill site (historical or active)
  - Geoconservation site
  - Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
  - Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
  - Site No.
  - CA No.

*Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.*

Map Number	LQ-01-310
Map Name	Land Quality
Community Area MA03: Pickmere to Agden and Hulseheath	

**HS2**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

© Crown copyright and database rights 2020  
OS 100049190

Doc Number: 2DE01-MWJ-EV-MAP-M000-001730-P01

Date: 09/08/21

Scale at A3: 1:10,000

0 100 200 300 400 Metres

**HS2**

**HS2**





For continuation refer to map number LQ-01-310

**Legend**

	Route in tunnel		Watercourse
	Route on surface		Water body
	Depot, station, headhouse or portal building		Woodland
	Land potentially required during construction		Registered park/garden
	Community area boundary		
	County boundary		
	District/Borough boundary		

	Landfill site (historical or active)
	Geoconservation site
	Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
	Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
	01-126 — Site No.
	— CA No.

*Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.*

Map Number	LQ-01-310-L1
Map Name	Land Quality
Community Area MA03: Pickmere to Agden and Hulseheath	

**HS2**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6QA.

© Crown copyright and database rights 2020  
OS 100049190

Scale at A3: 1:10,000

0 100 200 300 400 Metres

Doc Number: 2DE01-MWJ-EV-MAP-M000-002409-P01 Date: 09/08/21





For continuation refer to map number LQ-01-310

# PICKMERE TO AGDEN AND HULSEHEATH

# HS2

# HS2

- Legend**
- Route in tunnel
  - Route on surface
  - Depot, station, headhouse or portal building
  - Land potentially required during construction
  - Community area boundary
  - County boundary
  - District/Borough boundary
  - Watercourse
  - Water body
  - Woodland
  - Registered park/garden

- Landfill site (historical or active)
- Geoconservation site
- Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
- Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
- 01-126 — Site No.
- CA No.

*Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.*

Map Number	LQ-01-310-R1
Map Name	Land Quality
Community Area MA03: Pickmere to Agden and Hulseheath	

HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6QA.

© Crown copyright and database rights 2020  
OS 100049190

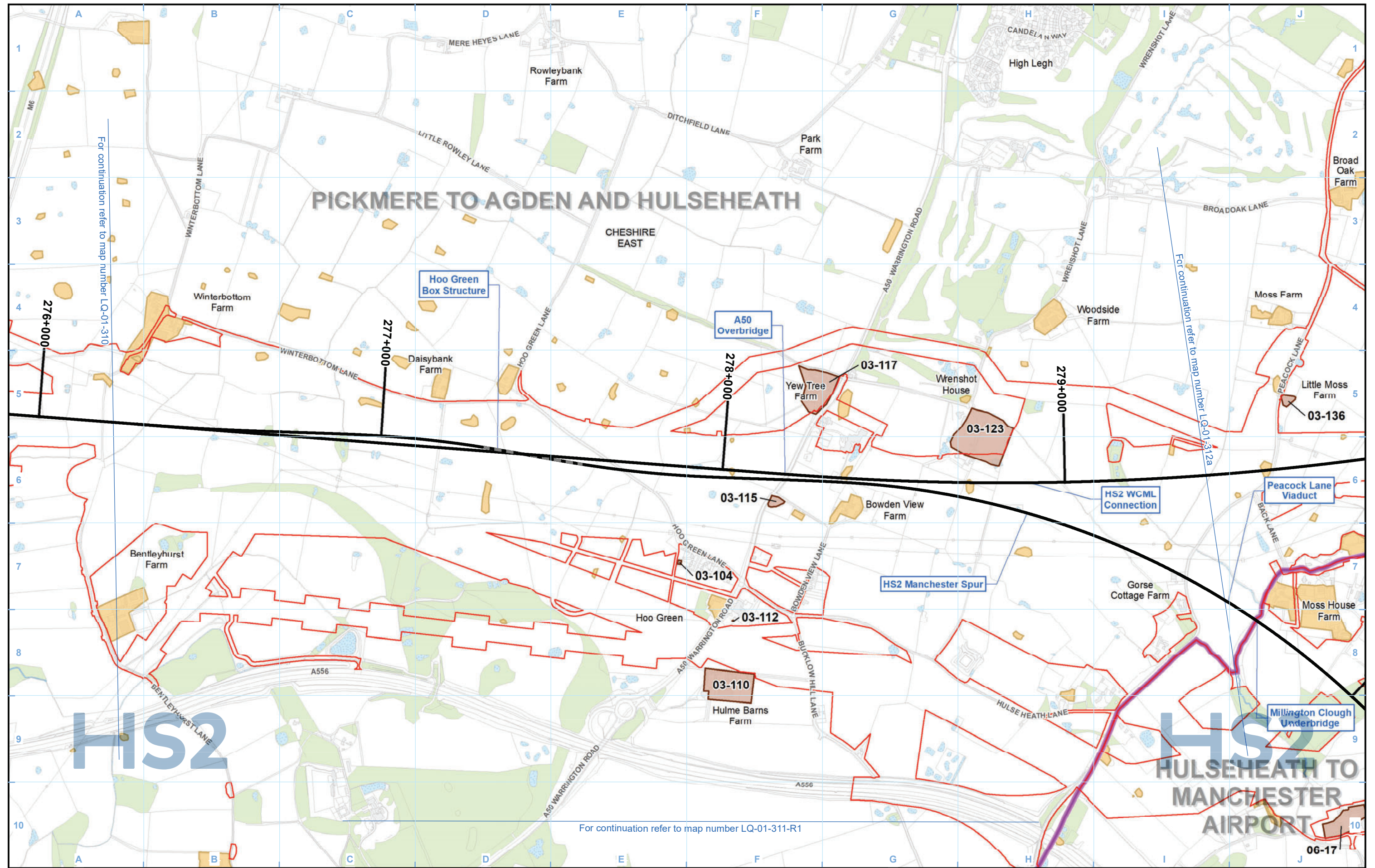
Doc Number: 2DE01-MWJ-EV-MAP-M000-002780-P01

Scale at A3: 1:10,000

Metres

Date: 09/08/21





**Legend**

	Route in tunnel		Watercourse
	Route on surface		Water body
	Depot, station, headhouse or portal building		Woodland
	Land potentially required during construction		Registered park/garden
	Community area boundary		
	County boundary		
	District/Borough boundary		

	Landfill site (historical or active)
	Geoconservation site
	Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
	Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
	Site No.
	CA No.

Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.

Map Number	LQ-01-311
Map Name	Land Quality
Community Area MA03: Pickmere to Agden and Hulseheath	

**HS2**

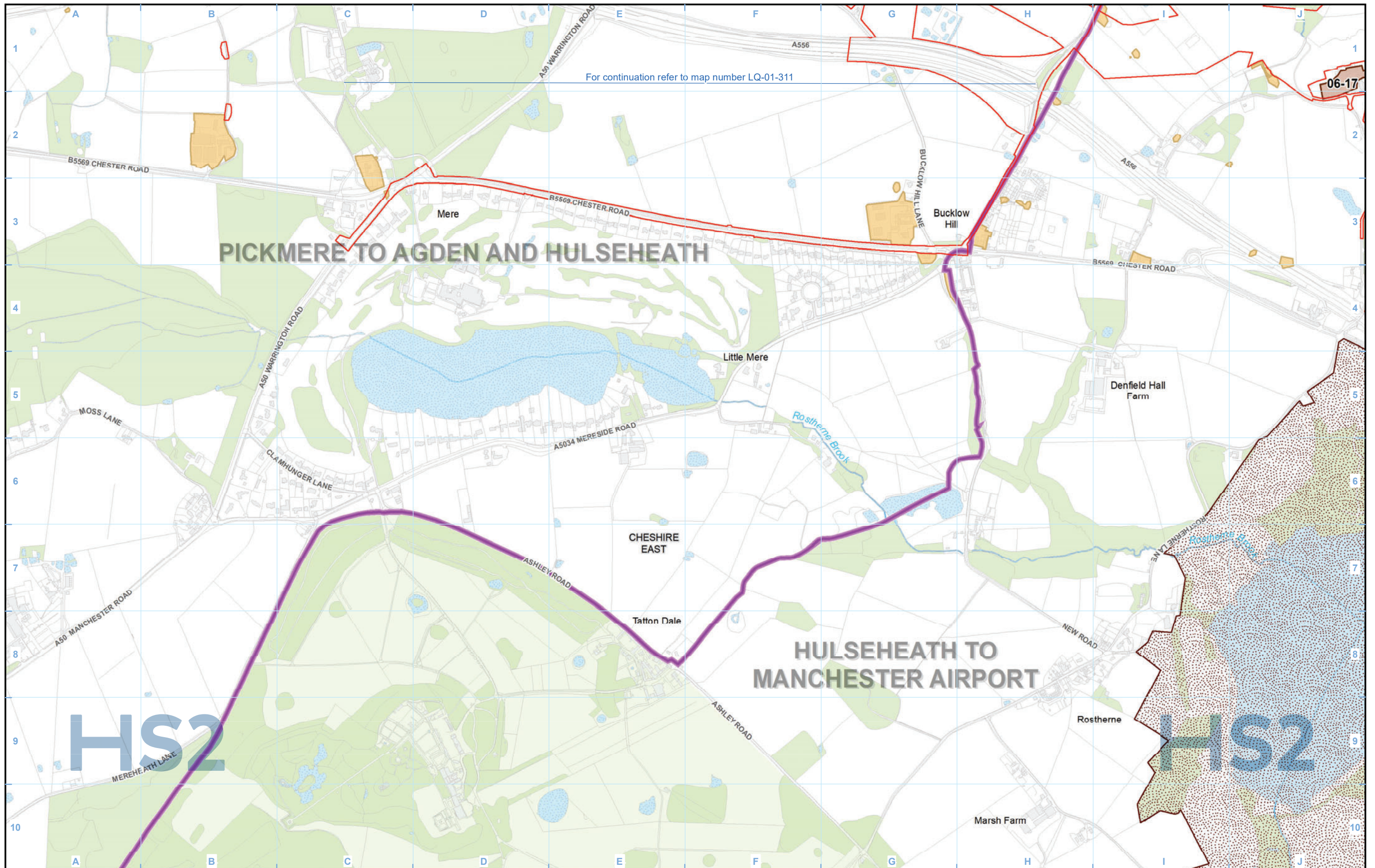
Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6QA.

Scale at A3: 1:10,000

0 100 200 300 400 Metres

Doc Number: 2DE01-MWJ-EV-MAP-M000-001731-P01 Date: 09/08/21





For continuation refer to map number LQ-01-311

06-17

PICKMERE TO AGDEN AND HULSEHEATH

HULSEHEATH TO MANCHESTER AIRPORT

HS2

HS2

- Legend**
- Route in tunnel
  - Route on surface
  - Depot, station, headhouse or portal building
  - Land potentially required during construction
  - Community area boundary
  - County boundary
  - District/Borough boundary
  - Watercourse
  - Water body
  - Woodland
  - Registered park/garden
  - Landfill site (historical or active)
  - Geoconservation site
  - Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
  - Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
  - Site No.
  - CA No.

Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.

Map Number	LQ-01-311-R1
Map Name	Land Quality
Community Area MA03: Pickmere to Agden and Hulseheath	

**HS2**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

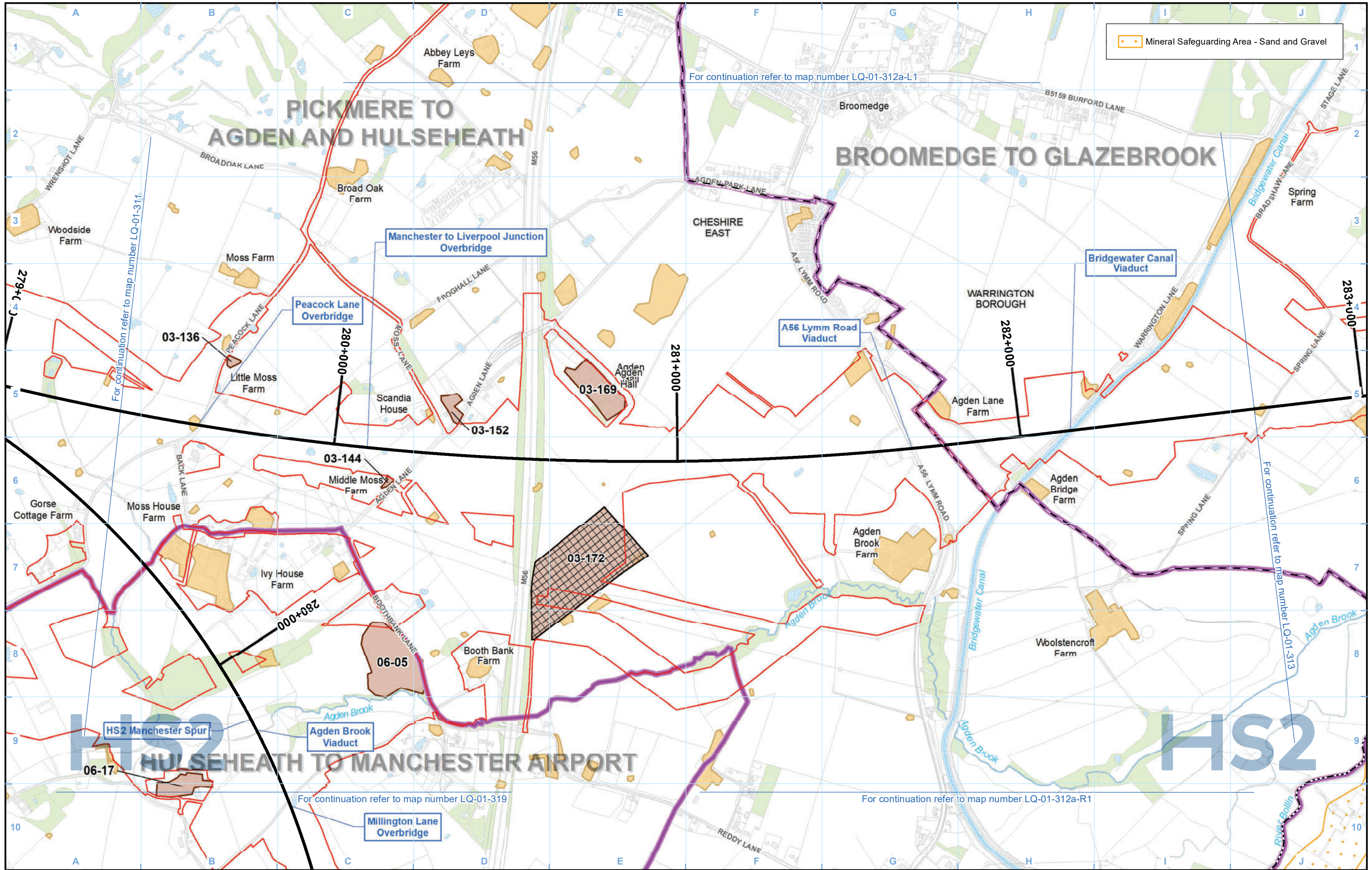
© Crown copyright and database rights 2020  
OS 100049190

Doc Number: 2DE01-MWJ-EV-MAP-M000-002788-P01

Date: 09/08/21

Scale at A3: 1:10,000





Mineral Safeguarding Area - Sand and Gravel

For continuation refer to map number LQ-01-312a-L1

For continuation refer to map number LQ-01-311

For continuation refer to map number LQ-01-313

For continuation refer to map number LQ-01-319

For continuation refer to map number LQ-01-312a-R1

- Legend**
- Route in tunnel
  - Route on surface
  - Depot, station, headhouse or portal building
  - Land potentially required during construction
  - Community area boundary
  - County boundary
  - District/Borough boundary
  - Watercourse
  - Water body
  - Woodland
  - Registered park/garden
  - Landfill site (historical or active)
  - Geoconservation site
  - Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
  - Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
  - Site No.
  - CA No.

Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.

Map Number	LQ-01-312a
Map Name	Land Quality
Community Area MA03: Pickmere to Agden and Hulseheath	

**HS2**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

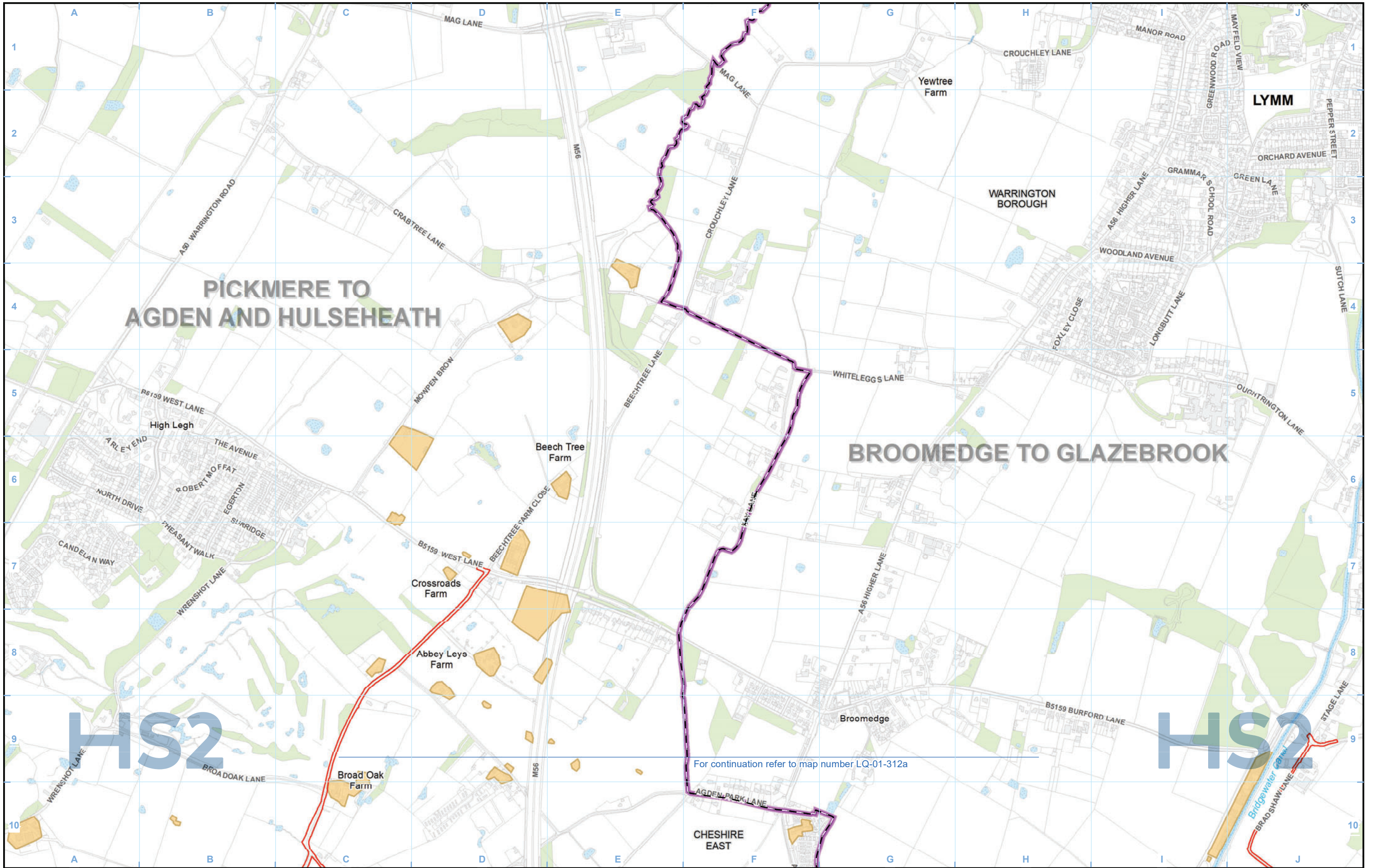
© Crown copyright and database rights 2020  
OS 100049190

Doc Number: 2DE01-MWJ-EV-MAP-M000-001732-P01

Scale at A3: 1:10,000

Date: 09/08/21





# PICKMERE TO AGDEN AND HULSEHEATH

# BROOMEDGE TO GLAZEBROOK

# HS2

# HS2

For continuation refer to map number LQ-01-312a

**Legend**

	Route in tunnel		Watercourse
	Route on surface		Water body
	Depot, station, headhouse or portal building		Woodland
	Land potentially required during construction		Registered park/garden
	Community area boundary		
	County boundary		
	District/Borough boundary		

	Landfill site (historical or active)
	Geoconservation site
	Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
	Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
	01-126 — Site No.
	— CA No.

*Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.*

Map Number	LQ-01-312a-L1
Map Name	Land Quality
	Community Area MA03: Pickmere to Agden and Hulseheath

**HS2** HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

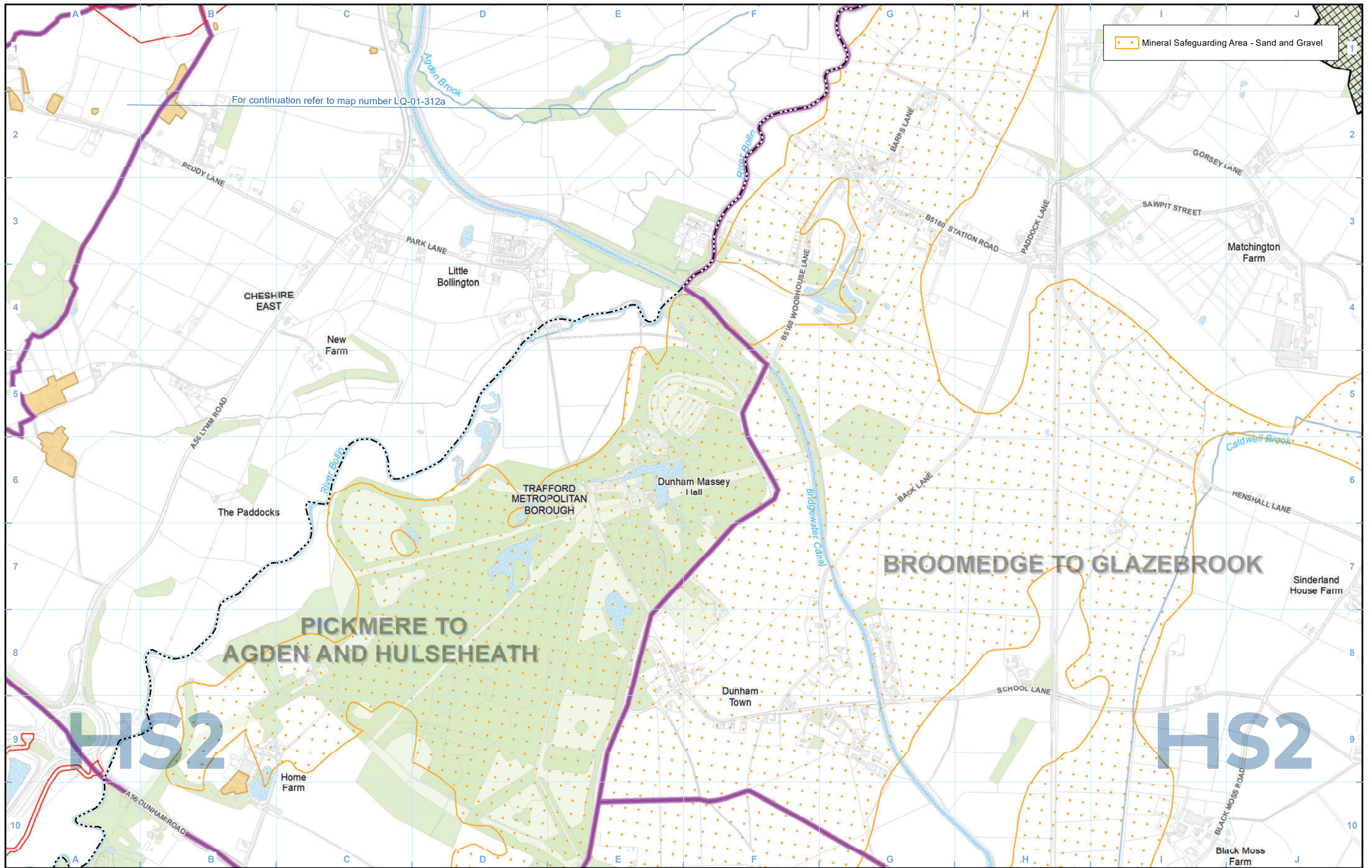
Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

© Crown copyright and database rights 2020  
OS 100049190

Scale at A3: 1:10,000

Doc Number: 2DE01-MWJ-EV-MAP-M000-002410-P01 Date: 09/08/21





Mineral Safeguarding Area - Sand and Gravel

For continuation refer to map number LQ-01-312a

- Legend**
- Route in tunnel
  - Route on surface
  - Depot, station, headhouse or portal building
  - Land potentially required during construction
  - Community area boundary
  - County boundary
  - District/Borough boundary
  - Watercourse
  - Water body
  - Woodland
  - Registered park/garden
  - Landfill site (historical or active)
  - Geoconservation site
  - Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
  - Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
  - 01-126 — Site No.
  - CA No.

Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.

Map Number	LQ-01-312a-R1
Map Name	Land Quality
Community Area MA03: Pickmere to Agden and Hulseheath	

HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

© Crown copyright and database rights 2020  
OS 100049190

**Doc Number:** 2DE01-MWJ-EV-MAP-M000-002781-P01

Scale at A3: 1:10,000

Metres

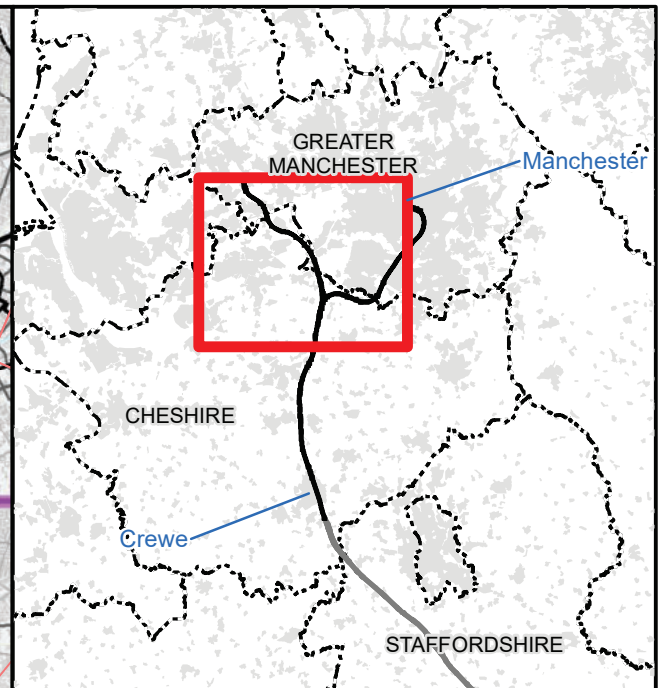
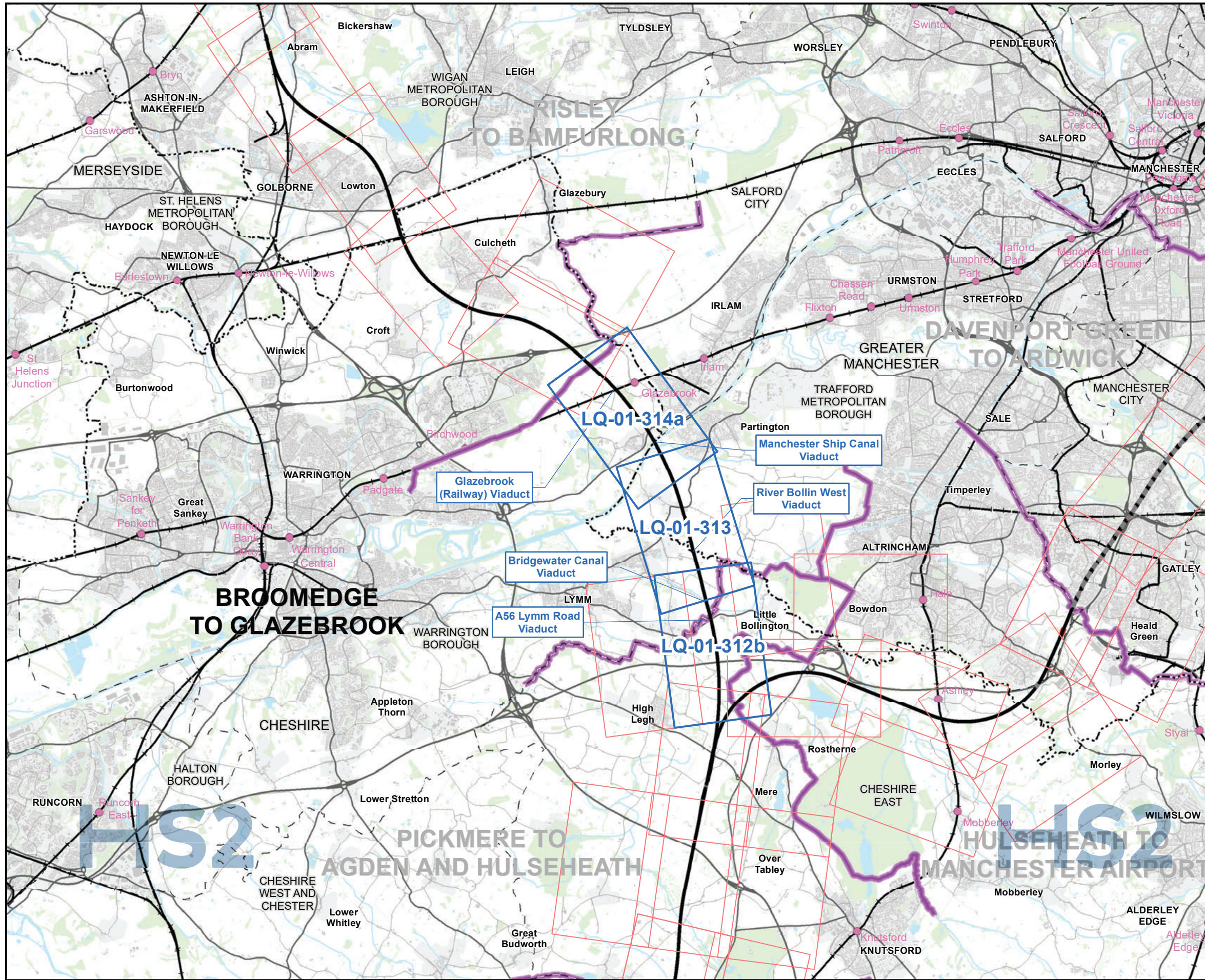
**Date:** 09/08/21



# **High Speed Rail (Crewe – Manchester) Environmental Statement**

MA04: Broomedge to Glazebrook  
LQ-01 - Land Quality





**Map Series Information:**

This Land Quality mapping shows potential sources of existing contamination close to the route as well as historical and operational landfill sites, current and potential future mining or mineral exploitation and geoconservation sites

- Main Map Legend**
- Route in tunnel
  - Route on surface
  - Depot, station, headhouse or portal building
  - Community area boundary
  - Existing railway station
  - County boundary
  - District/Borough boundary
  - Map sheets included in this community area
  - Map sheets not included in this community area

Map Number	LQ-01-INDEX-MA04
Map Name	Index Map of: Land Quality
	Community Area MA04: Broomedge to Glazebrook

**HS2**

HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

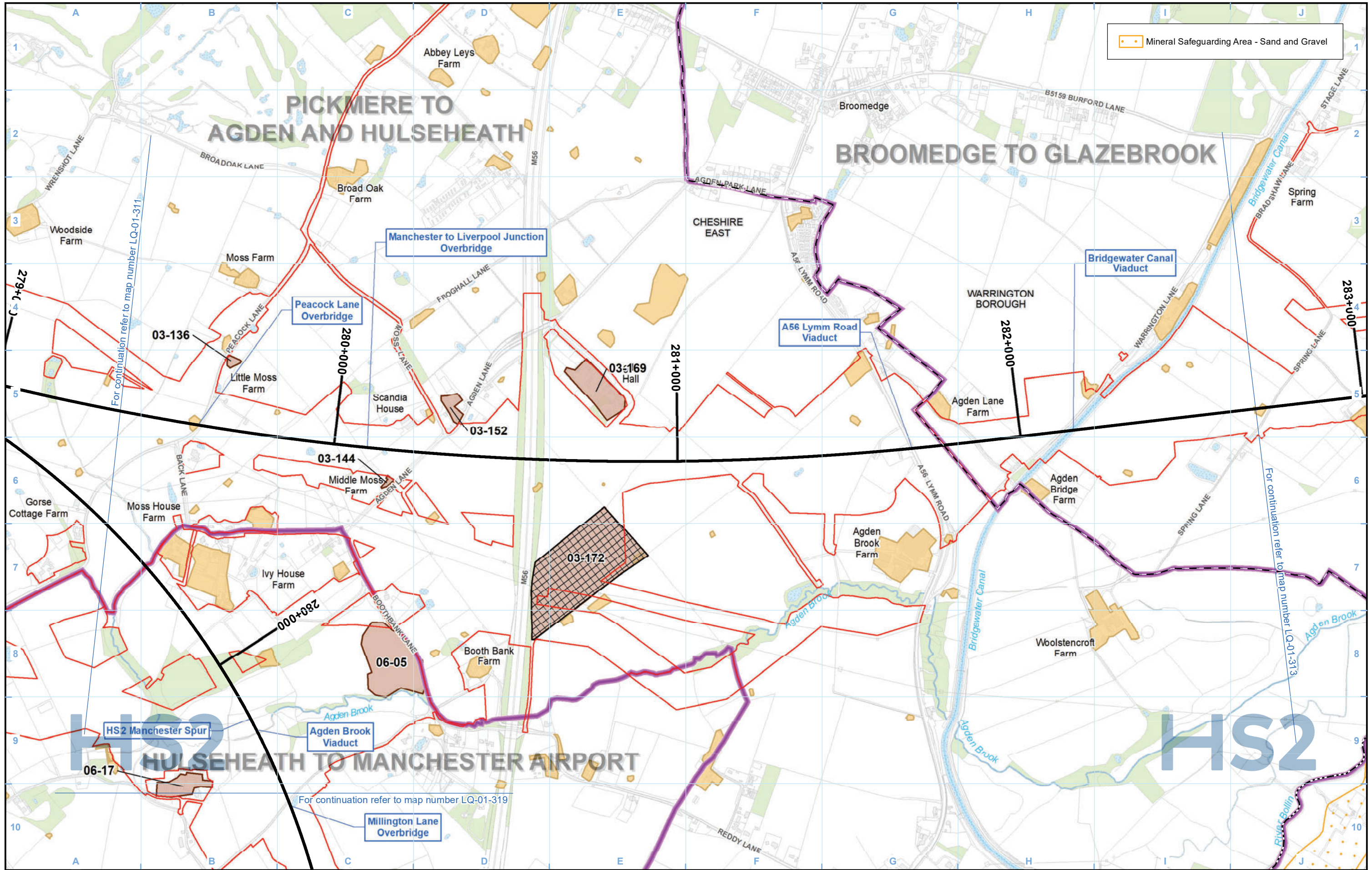
Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

© Crown copyright and database rights 2020  
OS 100049190

Scale at A3: 1:100,000

Doc Number: 2DE01-MWJ-EV-MAP-M000-001757-P01 Date: 09/08/21





Mineral Safeguarding Area - Sand and Gravel

- Legend**
- Route in tunnel
  - Route on surface
  - Depot, station, headhouse or portal building
  - Land potentially required during construction
  - Community area boundary
  - County boundary
  - District/Borough boundary
  - Watercourse
  - Water body
  - Woodland
  - Registered park/garden
  - Landfill site (historical or active)
  - Geoconservation site
  - Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
  - Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
  - Site No.
  - CA No.

Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.

Map Number	LQ-01-312b
Map Name	Land Quality
	Community Area MA04: Broomedge to Glazebrook

**HS2**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

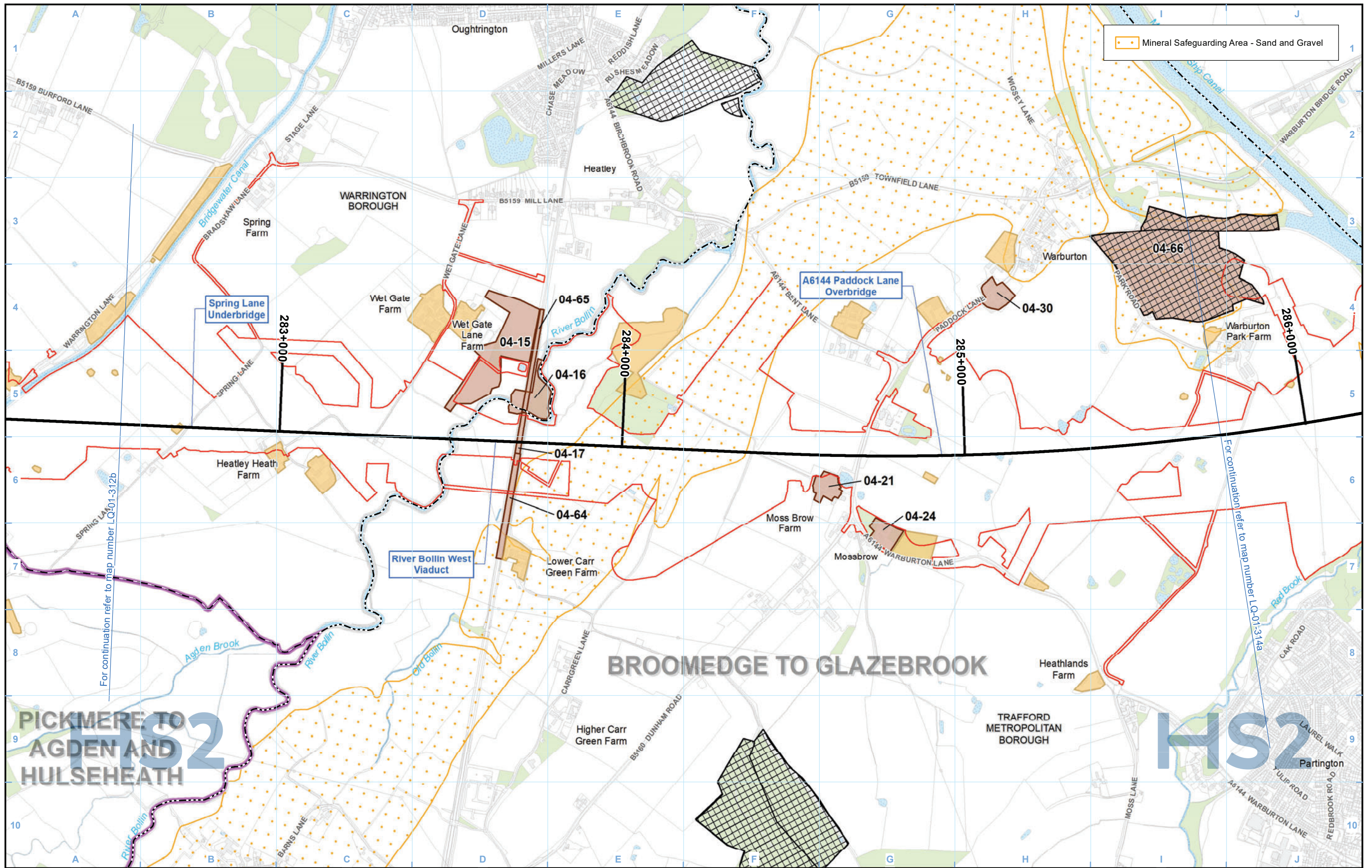
Scale at A3: 1:10,000

© Crown copyright and database rights 2020  
OS 100049190

Doc Number: 2DE01-MWJ-EV-MAP-M000-001733-P01

Date: 09/08/21





Mineral Safeguarding Area - Sand and Gravel

- Legend**
- Route in tunnel
  - Route on surface
  - Depot, station, headhouse or portal building
  - Land potentially required during construction
  - Community area boundary
  - County boundary
  - District/Borough boundary
  - Watercourse
  - Water body
  - Woodland
  - Registered park/garden
  - Landfill site (historical or active)
  - Geoconservation site
  - Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
  - Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
  - Site No.
  - CA No.

*Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.*

Map Number	LQ-01-313
Map Name	Land Quality
	Community Area MA04: Broomedge to Glazebrook

**HS2**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:10,000

© Crown copyright and database rights 2020  
OS 100049190

Doc Number: 2DE01-MWJ-EV-MAP-M000-001734-P01

Date: 09/08/21

PICKMERE TO AGDEN AND HULSEHEATH

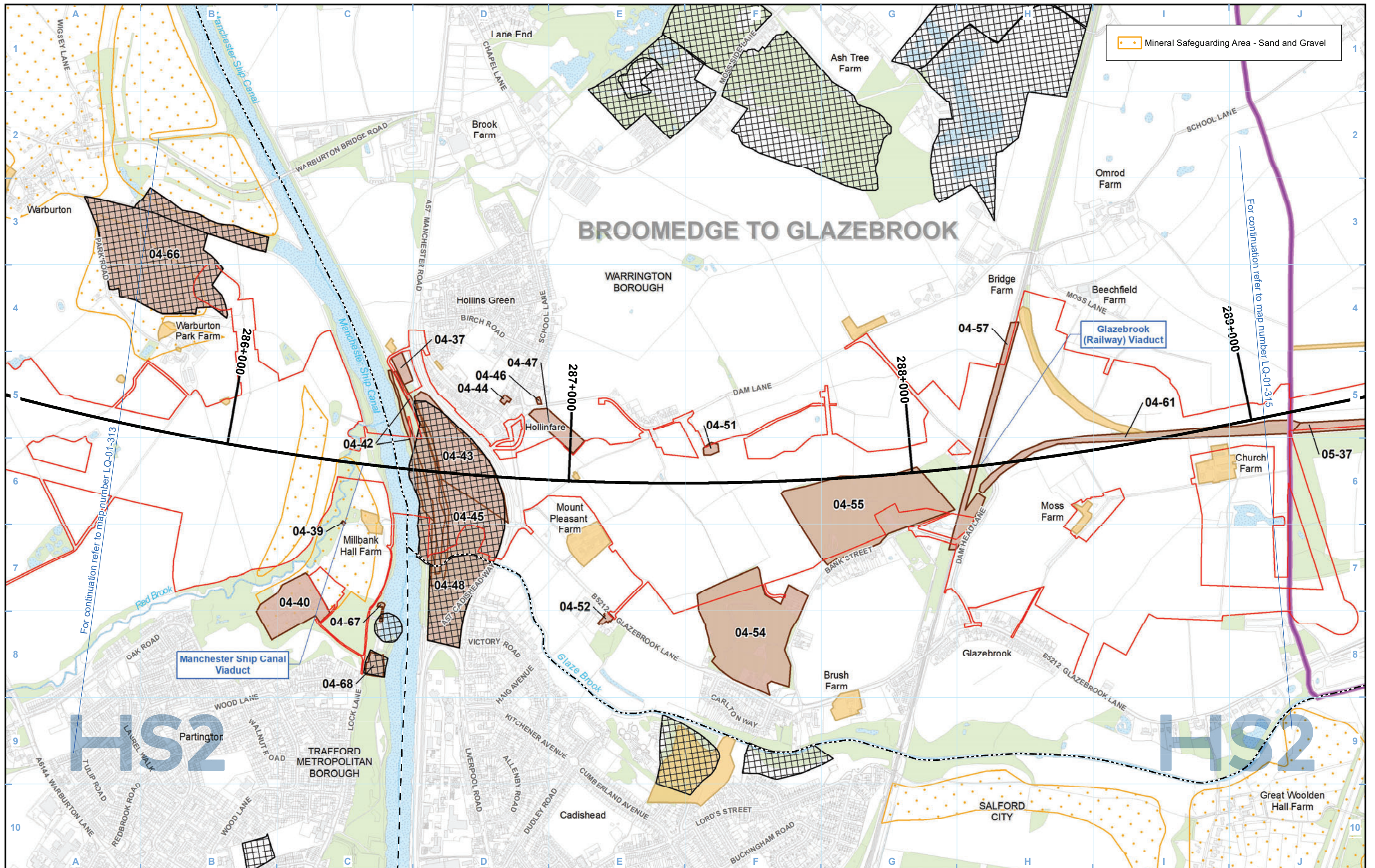
**BROOMEDGE TO GLAZEBROOK**

HS2  
Partington

For continuation refer to map number LQ-01-312b

For continuation refer to map number LQ-01-314a





Mineral Safeguarding Area - Sand and Gravel

# BROOMEDGE TO GLAZEBROOK

- Legend**
- Route in tunnel
  - Route on surface
  - Depot, station, headhouse or portal building
  - Land potentially required during construction
  - Community area boundary
  - County boundary
  - District/Borough boundary
  - Watercourse
  - Water body
  - Woodland
  - Registered park/garden
  - Landfill site (historical or active)
  - Geoconservation site
  - Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
  - Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
  - 01-126 — Site No.
  - CA No.

Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.

Map Number	LQ-01-314a
Map Name	Land Quality
Community Area MA04: Broomedge to Glazebrook	

**HS2**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6QA.

Scale at A3: 1:10,000

© Crown copyright and database rights 2020  
OS 100049190

Doc Number: 2DE01-MWJ-EV-MAP-M000-001735-P01

Date: 09/08/21



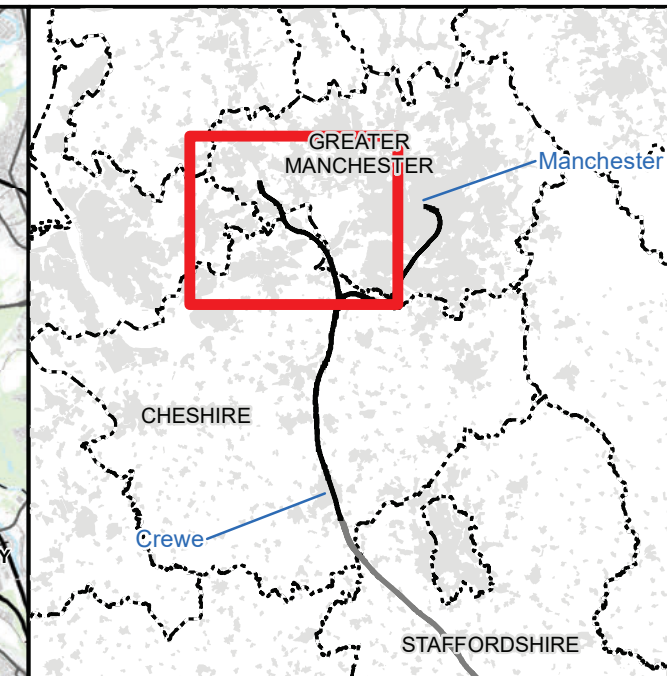
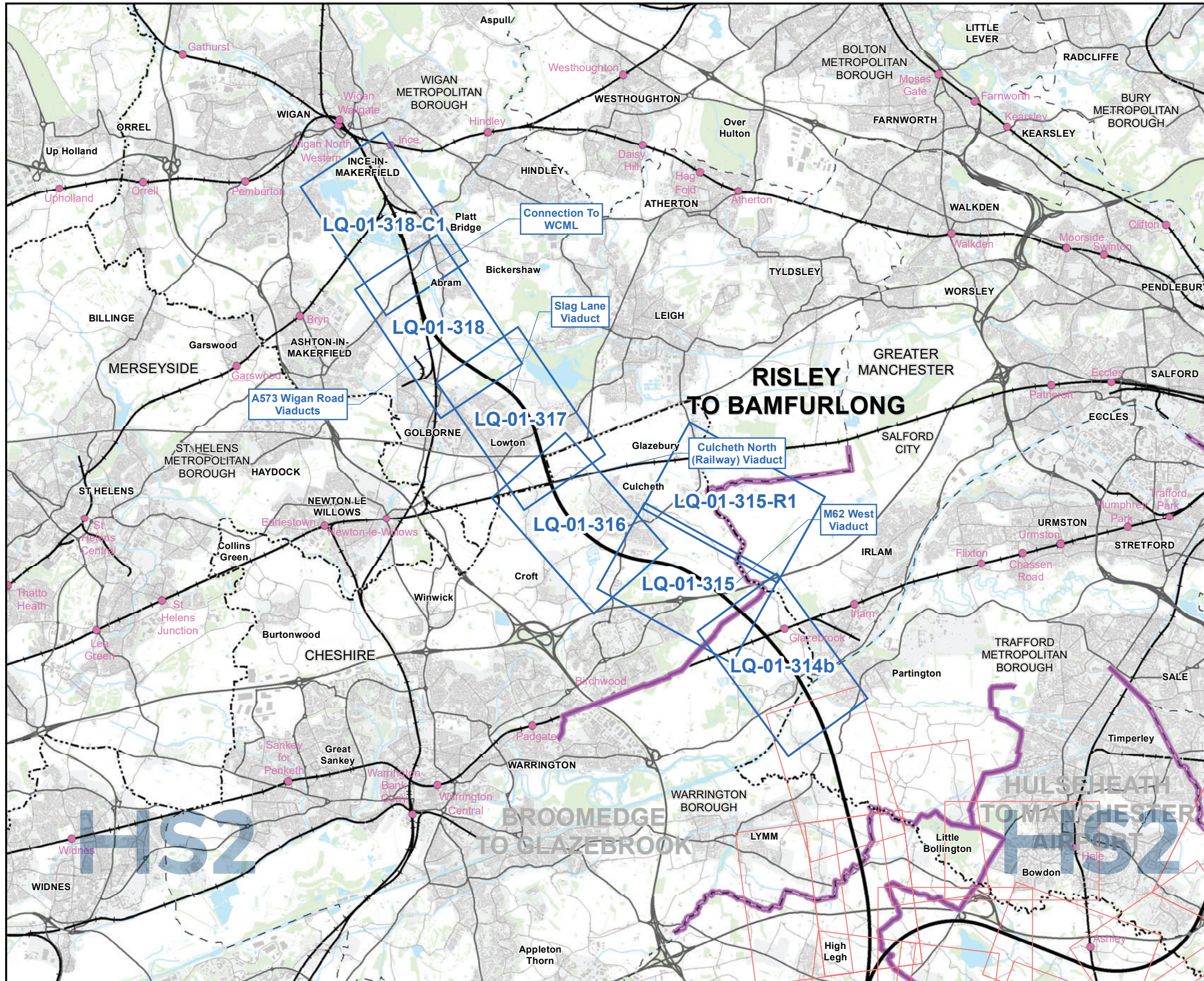
This page is intentionally blank



# **High Speed Rail (Crewe – Manchester) Environmental Statement**

MA05: Risley to Bamfurlong  
LQ-01 - Land Quality





**Map Series Information:**

This Land Quality mapping shows potential sources of existing contamination close to the route as well as historical and operational landfill sites, current and potential future mining or mineral exploitation and geoconservation sites

- Main Map Legend**
- Route in tunnel
  - Route on surface
  - Depot, station, headhouse or portal building
  - Community area boundary
  - Existing railway station
  - County boundary
  - District/Borough boundary
  - Map sheets included in this community area
  - Map sheets not included in this community area

Map Number: LQ-01-INDEX-MA05

Map Name: Index Map of: Land Quality

Community Area MA05: Risley to Bamfurlong

**HS2**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:100,000

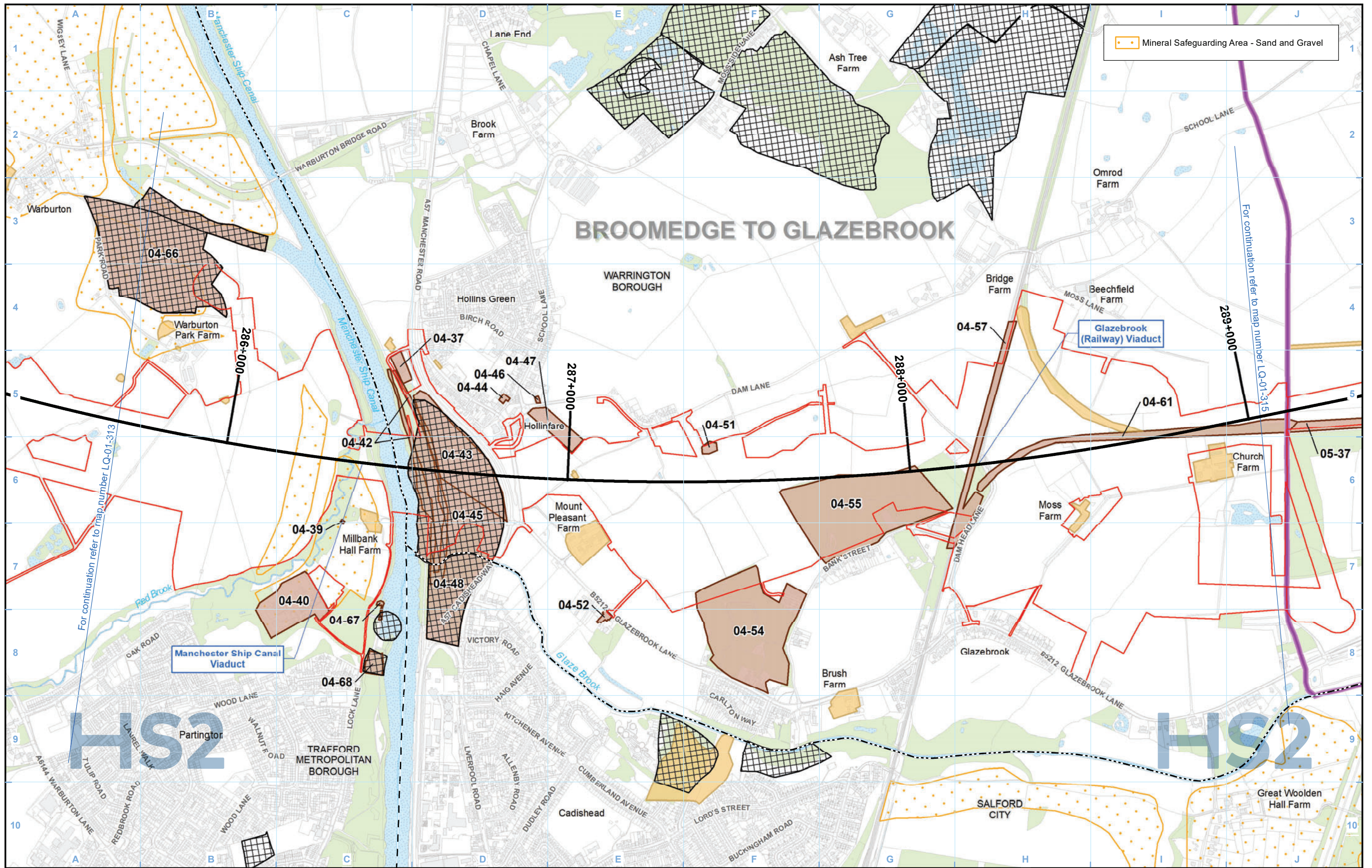
© Crown copyright and database rights 2020  
OS 100049190

Doc Number: 2DE01-MWJ-EV-MAP-M000-001758-P01

Date: 09/08/21

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





Mineral Safeguarding Area - Sand and Gravel

# BROOMEDGE TO GLAZEBROOK

- Legend**
- Route in tunnel
  - Route on surface
  - Depot, station, headhouse or portal building
  - Land potentially required during construction
  - Community area boundary
  - County boundary
  - District/Borough boundary
  - Watercourse
  - Water body
  - Woodland
  - Registered park/garden
  - Landfill site (historical or active)
  - Geoconservation site
  - Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
  - Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
  - 01-126 Site No.
  - CA No.

Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.

Map Number	LQ-01-314b
Map Name	Land Quality
Community Area MA05: Risley to Bamfurlong	

**HS2**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:10,000

© Crown copyright and database rights 2020  
OS 100049190

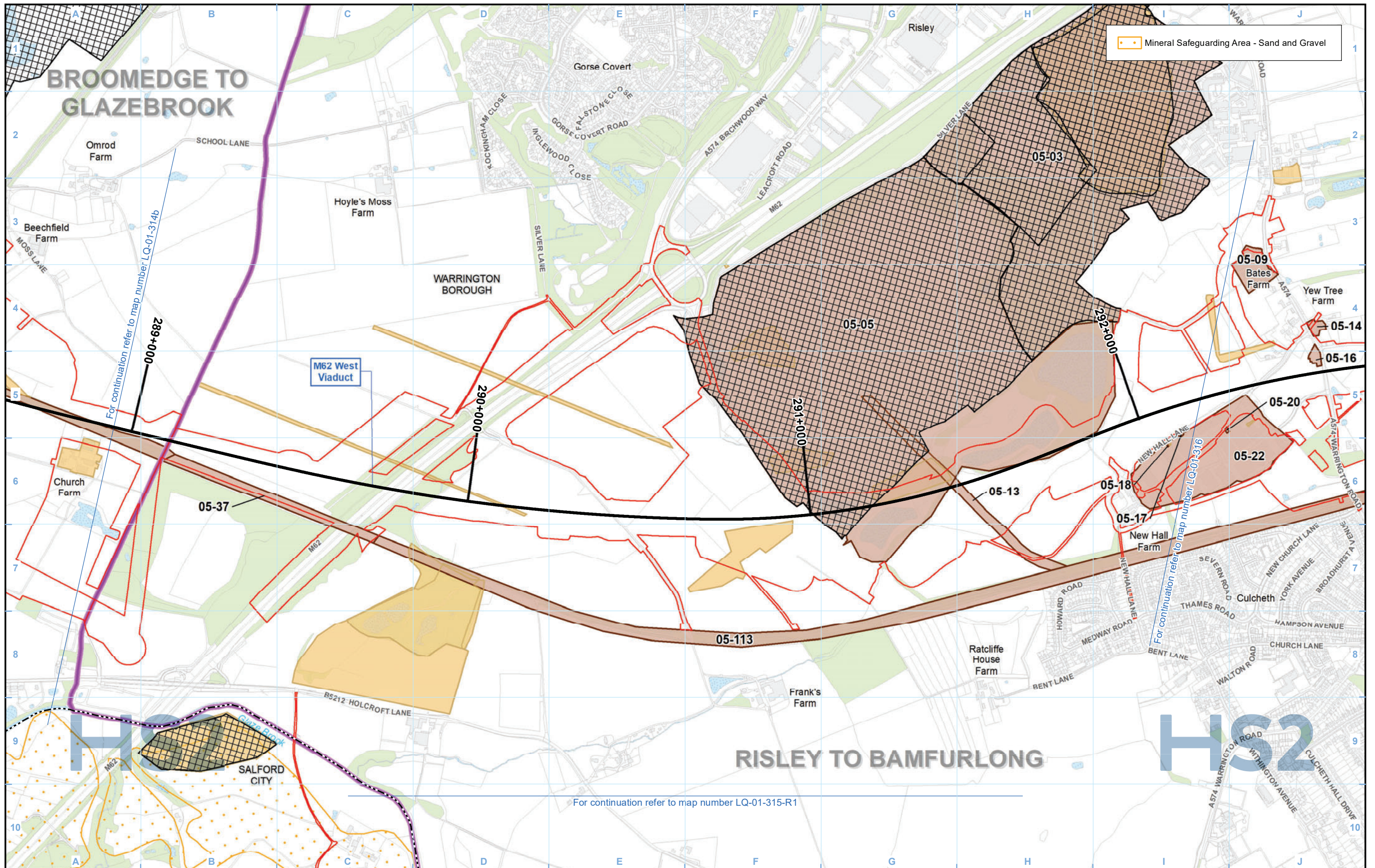
Doc Number: 2DE01-MWJ-EV-MAP-M000-001736-P01

Date: 09/08/21

For continuation refer to map number LQ-01-313

For continuation refer to map number LQ-01-315





Mineral Safeguarding Area - Sand and Gravel

**BROOMEDGE TO GLAZEBROOK**

**RISLEY TO BAMFURLONG**

- Legend**
- Route in tunnel
  - Route on surface
  - Depot, station, headhouse or portal building
  - Land potentially required during construction
  - Community area boundary
  - County boundary
  - District/Borough boundary
  - Watercourse
  - Water body
  - Woodland
  - Registered park/garden
  - Landfill site (historical or active)
  - Geoconservation site
  - Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
  - Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
  - Site No.
  - CA No.

Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.

Map Number	LQ-01-315
Map Name	Land Quality
	Community Area MA05: Risley to Bamfurlong

**HS2**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:10,000

© Crown copyright and database rights 2020  
OS 100049190

Doc Number: 2DE01-MWJ-EV-MAP-M000-001737-P01

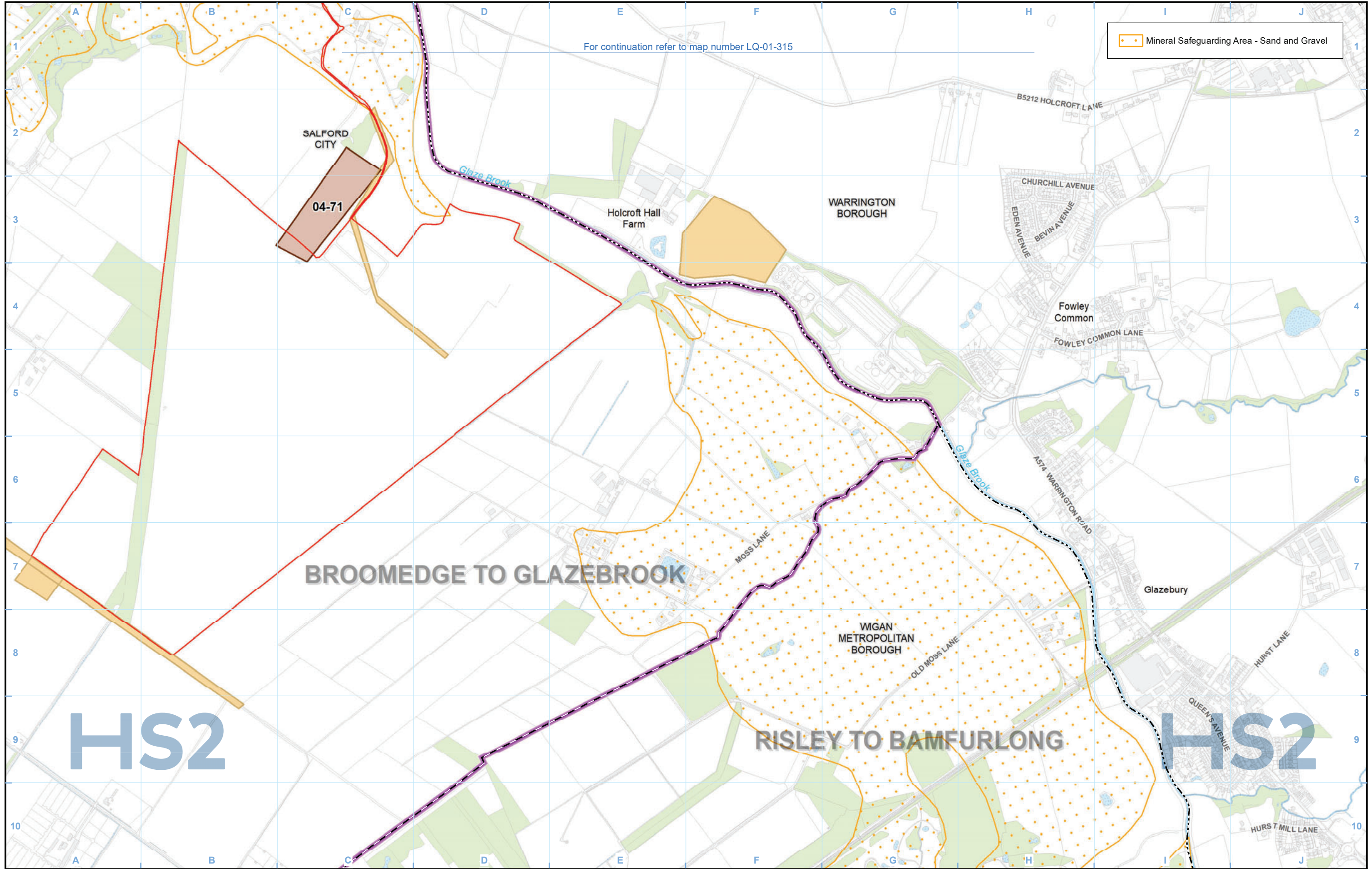
Date: 09/08/21

For continuation refer to map number LQ-01-314b

For continuation refer to map number LQ-01-316

For continuation refer to map number LQ-01-315-R1





For continuation refer to map number LQ-01-315

Mineral Safeguarding Area - Sand and Gravel

BROOMEDGE TO GLAZEBROOK

RISLEY TO BAMFURLONG

HS2

HS2

- Legend**
- Route in tunnel
  - Route on surface
  - Depot, station, headhouse or portal building
  - Land potentially required during construction
  - Community area boundary
  - County boundary
  - District/Borough boundary
  - Watercourse
  - Water body
  - Woodland
  - Registered park/garden
  - Landfill site (historical or active)
  - Geoconservation site
  - Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
  - Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
  - Site No.
  - CA No.

Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.

Map Number	LQ-01-315-R1
Map Name	Land Quality
	Community Area MA05: Risley to Bamfurlong

**HS2**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

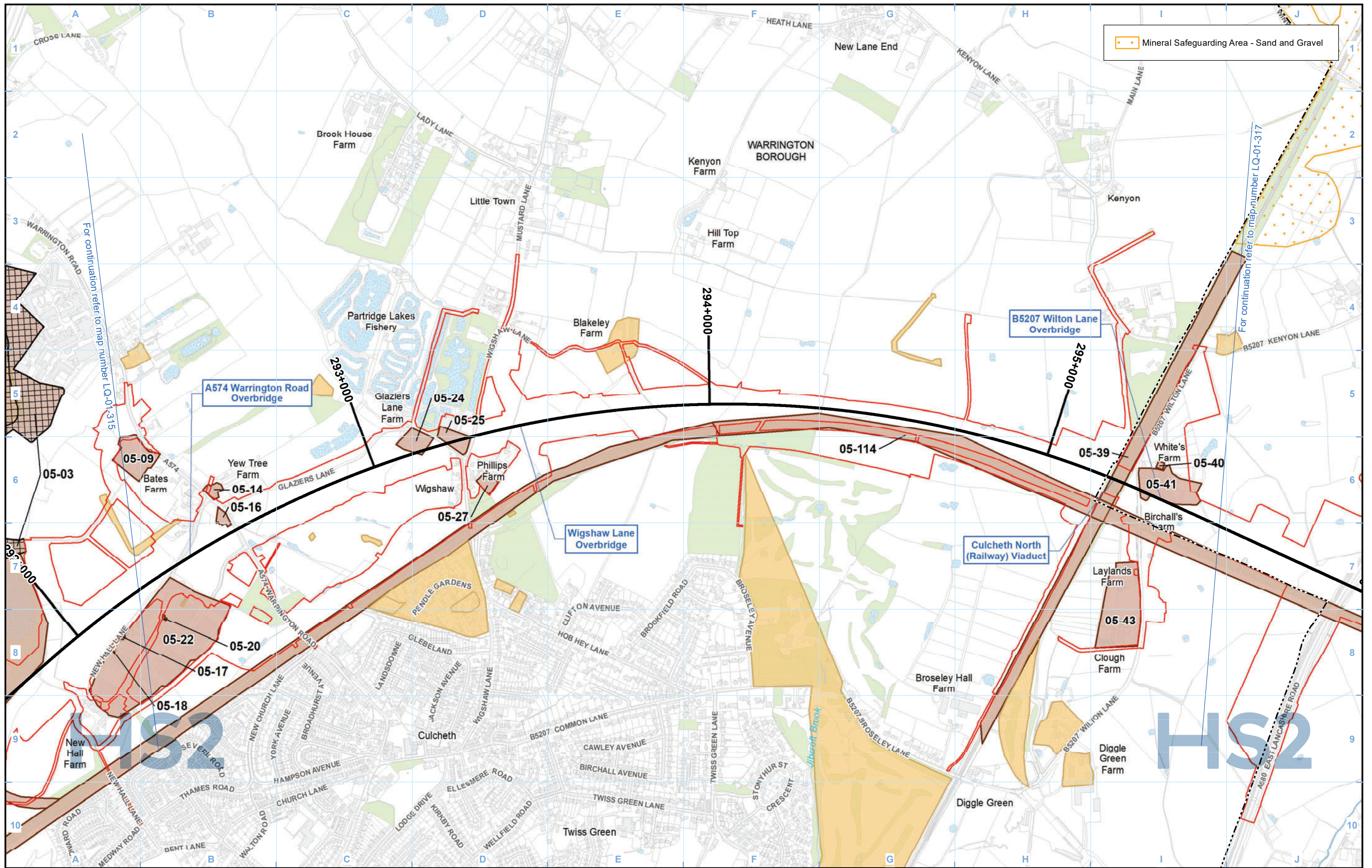
Scale at A3: 1:10,000

© Crown copyright and database rights 2020  
OS 100049190

Doc Number: 2DE01-MWJ-EV-MAP-M000-003654-P01

Date: 09/08/21





Mineral Safeguarding Area - Sand and Gravel

- Legend**
- Route in tunnel
  - Route on surface
  - Depot, station, headhouse or portal building
  - Land potentially required during construction
  - Community area boundary
  - County boundary
  - District/Borough boundary
  - Watercourse
  - Water body
  - Woodland
  - Registered park/garden
  - Landfill site (historical or active)
  - Geoconservation site
  - Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
  - Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
  - 01-126 — Site No.
  - CA No.

*Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.*

Map Number	LQ-01-316
Map Name	Land Quality
	Community Area MA05: Risley to Bamfurlong

**HS2**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

© Crown copyright and database rights 2020  
OS 100049190

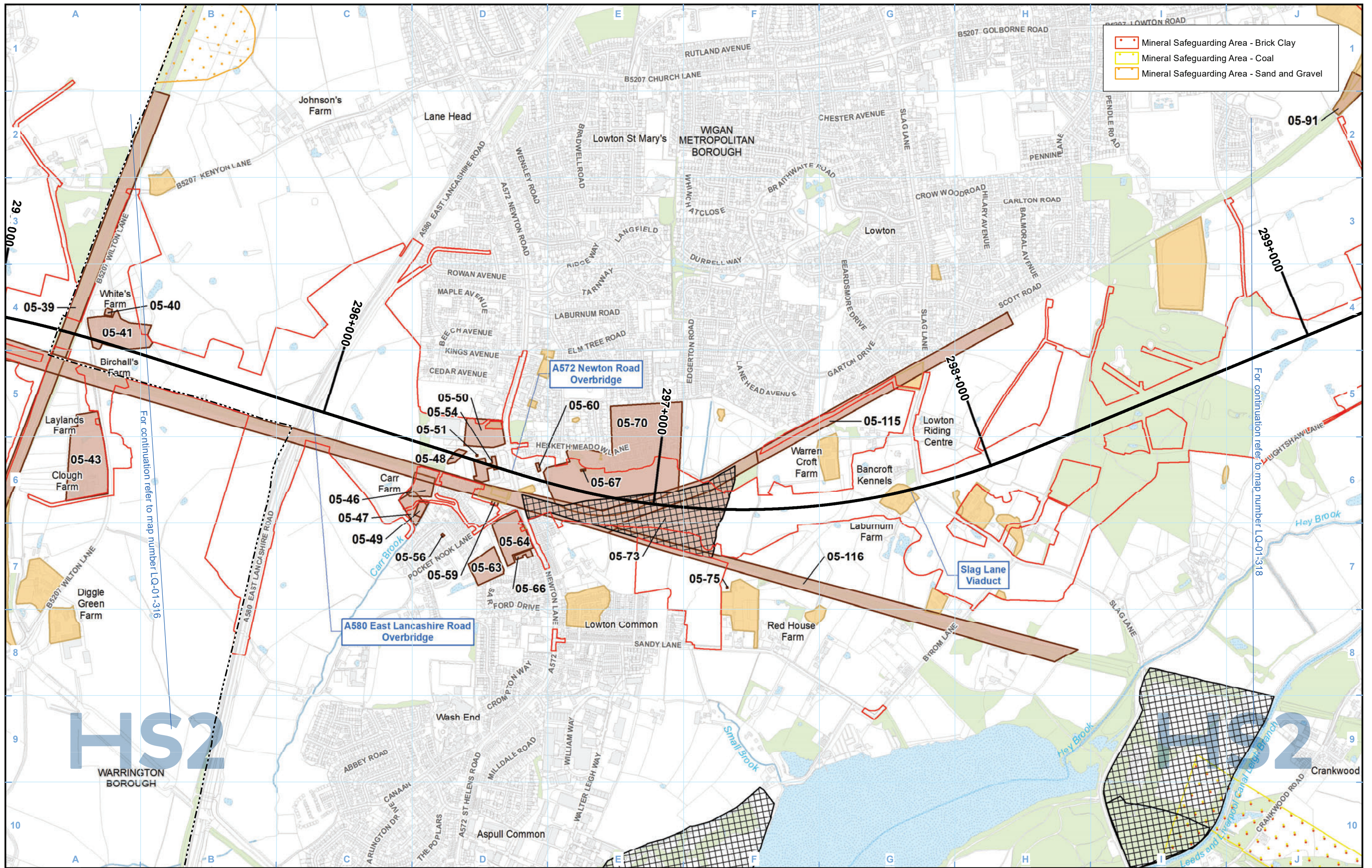
Doc Number: 2DE01-MWJ-EV-MAP-M000-001738-P01

Scale at A3: 1:10,000

Metres

Date: 09/08/21





	Mineral Safeguarding Area - Brick Clay
	Mineral Safeguarding Area - Coal
	Mineral Safeguarding Area - Sand and Gravel

	Route in tunnel		Watercourse		Landfill site (historical or active)
	Route on surface		Water body		Geoconservation site
	Depot, station, headhouse or portal building		Woodland		Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
	Land potentially required during construction		Registered park/garden		Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
	Community area boundary				01-126 — Site No.
	County boundary				— CA No.
	District/Borough boundary				

*Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.*

Map Number	LQ-01-317
Map Name	Land Quality
Community Area MA05: Risley to Bamfurlong	

**HS2** HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6QA.  
© Crown copyright and database rights 2020  
OS 100049190

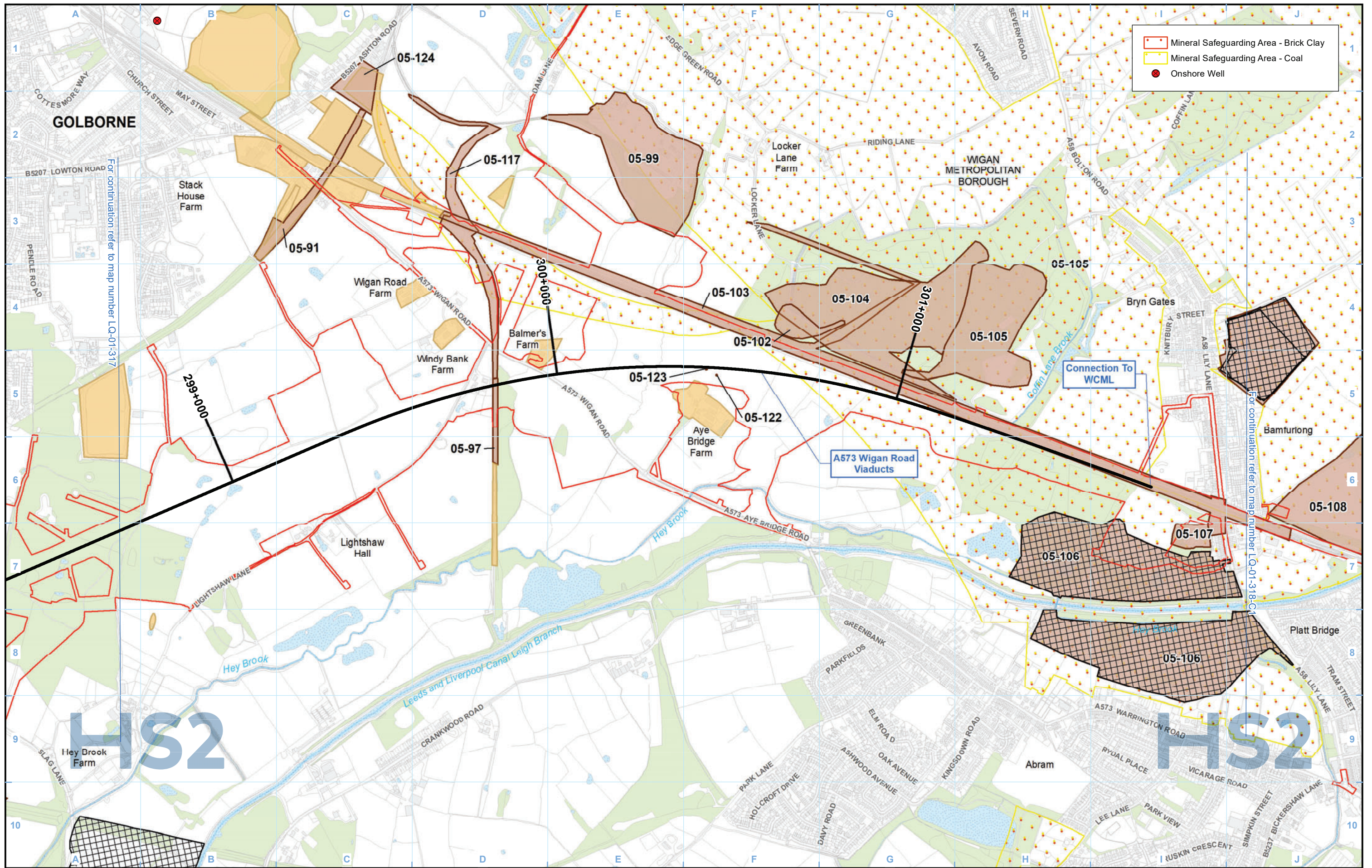
Scale at A3: 1:10,000

Doc Number: 2DE01-MWJ-EV-MAP-M000-001739-P01 Date: 09/08/21

For continuation refer to map number LQ-01-316

For continuation refer to map number LQ-01-318





- Mineral Safeguarding Area - Brick Clay
- Mineral Safeguarding Area - Coal
- Onshore Well

**Legend**

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Land potentially required during construction
- Community area boundary
- County boundary
- District/Borough boundary
- Watercourse
- Water body
- Woodland
- Registered park/garden
- Landfill site (historical or active)
- Geoconservation site
- Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
- Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
- 01-126 — Site No.
- CA No.

*Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.*

Map Number: LQ-01-318

Map Name: Land Quality

Community Area MA05: Rislely to Bamfurlong

**HS2**

Registered in England. Registration number 06791686. Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

© Crown copyright and database rights 2020 OS 100049190

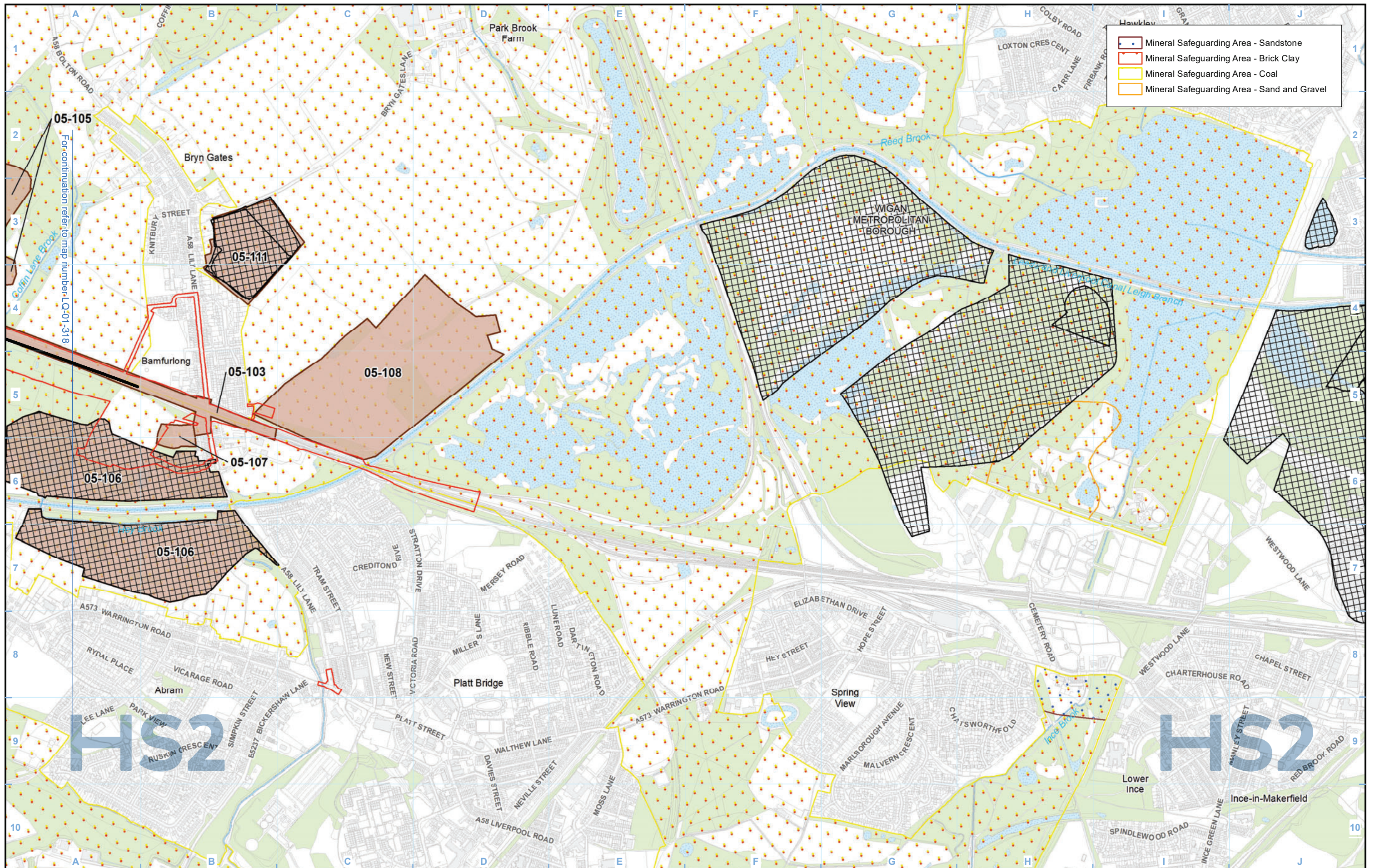
Doc Number: 2DE01-MWJ-EV-MAP-M000-001740-P01

Scale at A3: 1:10,000

Metres

Date: 09/08/21





**Legend**


*Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.*

Map Number	LQ-01-318-C1
Map Name	Land Quality
	Community Area MA05: Risle to Bamfurlong

**HS2** HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6QA.

Scale at A3: 1:10,000

© Crown copyright and database rights 2020  
OS 100049190

Doc Number: 2DE01-MWJ-EV-MAP-M000-002411-P01 Date: 09/08/21



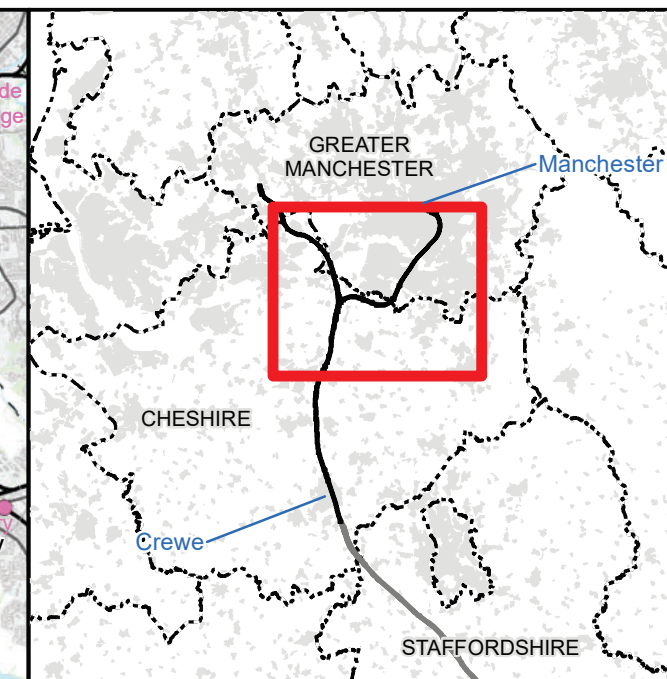
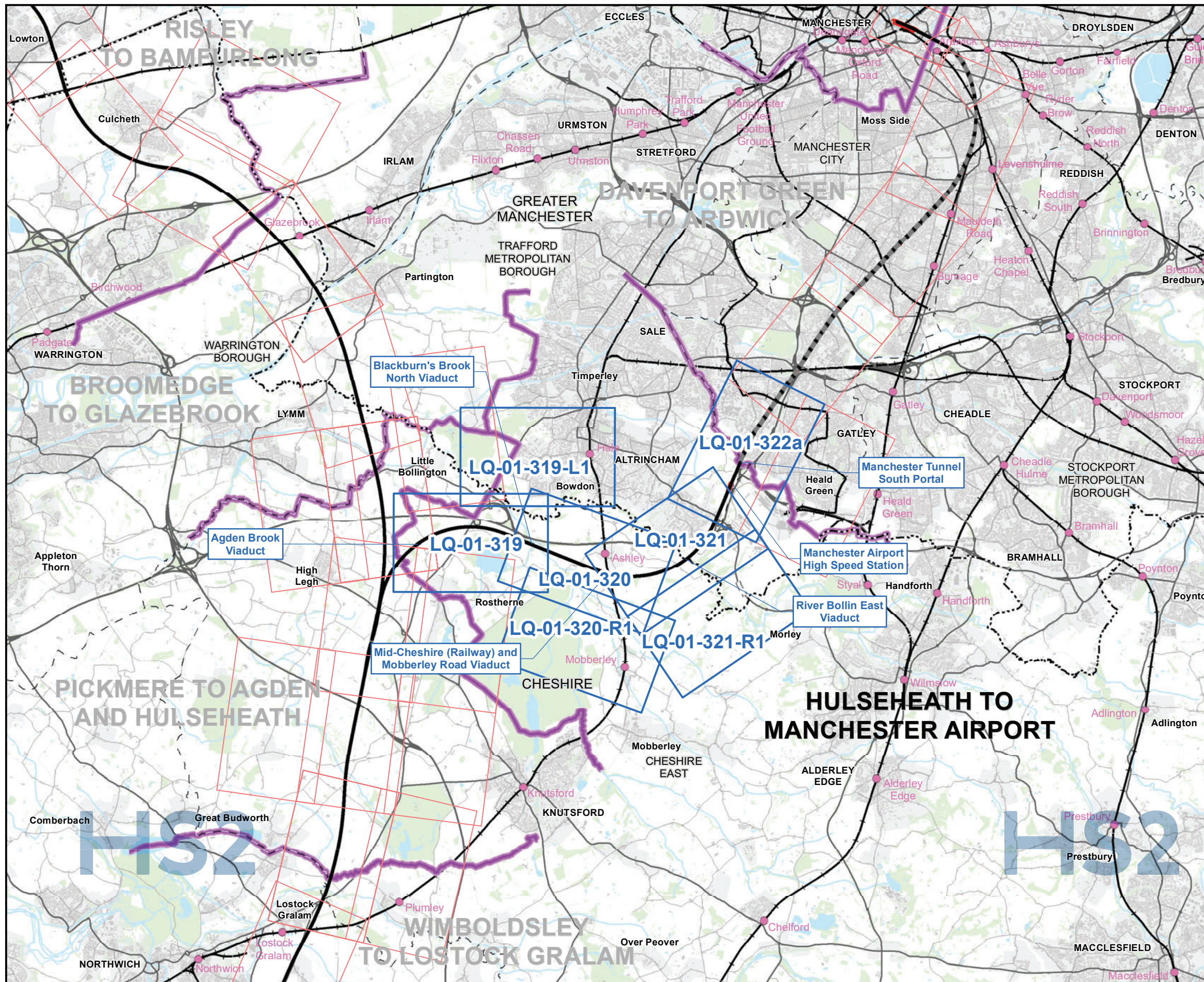
This page is intentionally blank



## **High Speed Rail (Crewe – Manchester) Environmental Statement**

MA06: Hulseheath to Manchester Airport  
LQ-01 - Land Quality





**Map Series Information:**

This Land Quality mapping shows potential sources of existing contamination close to the route as well as historical and operational landfill sites, current and potential future mining or mineral exploitation and geoconservation sites

- Main Map Legend**
- Route in tunnel
  - Route on surface
  - Depot, station, headhouse or portal building
  - Community area boundary
  - Existing railway station
  - County boundary
  - District/Borough boundary
  - Map sheets included in this community area
  - Map sheets not included in this community area

Map Number	LQ-01-INDEX-MA06
Map Name	Index Map of: Land Quality
	Community Area MA06: Hulseheath to Manchester Airport

**HS2**

HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

© Crown copyright and database rights 2020  
OS 100049190

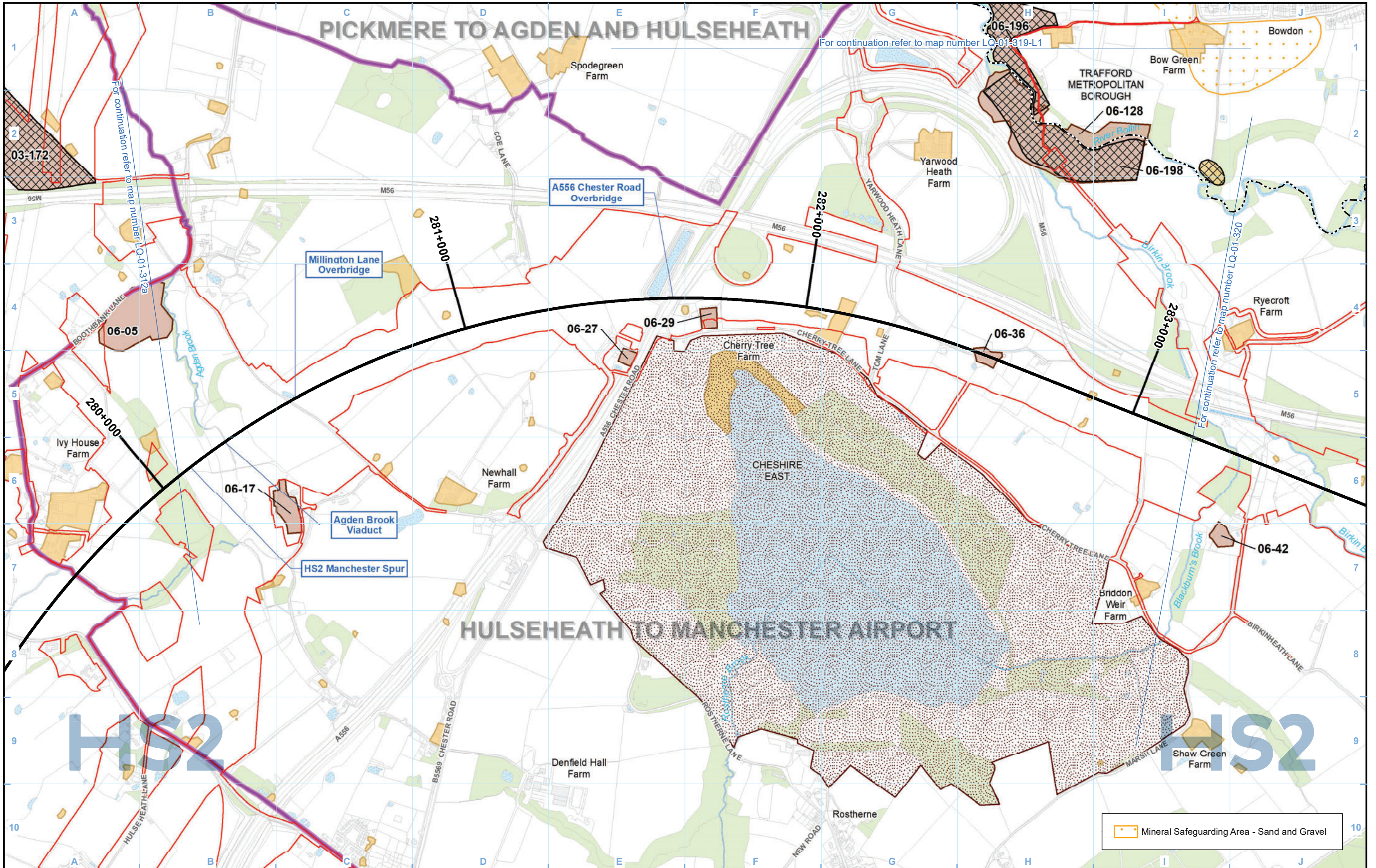
Scale at A3: 1:100,000

Doc Number: 2DE01-MWJ-EV-MAP-M000-001759-P01      Date: 09/08/21



# PICKMERE TO AGDEN AND HULSEHEATH

For continuation refer to map number LQ-01-319-L1



- Legend**
- Route in tunnel
  - Route on surface
  - Depot, station, headhouse or portal building
  - Land potentially required during construction
  - Community area boundary
  - County boundary
  - District/Borough boundary
  - Watercourse
  - Water body
  - Woodland
  - Registered park/garden
  - Landfill site (historical or active)
  - Geoconservation site
  - Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
  - Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
  - 01-126 — Site No.
  - CA No.

*Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.*

Map Number	LQ-01-319
Map Name	Land Quality
Community Area MA06: Hulseheath to Manchester Airport	

**HS2**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

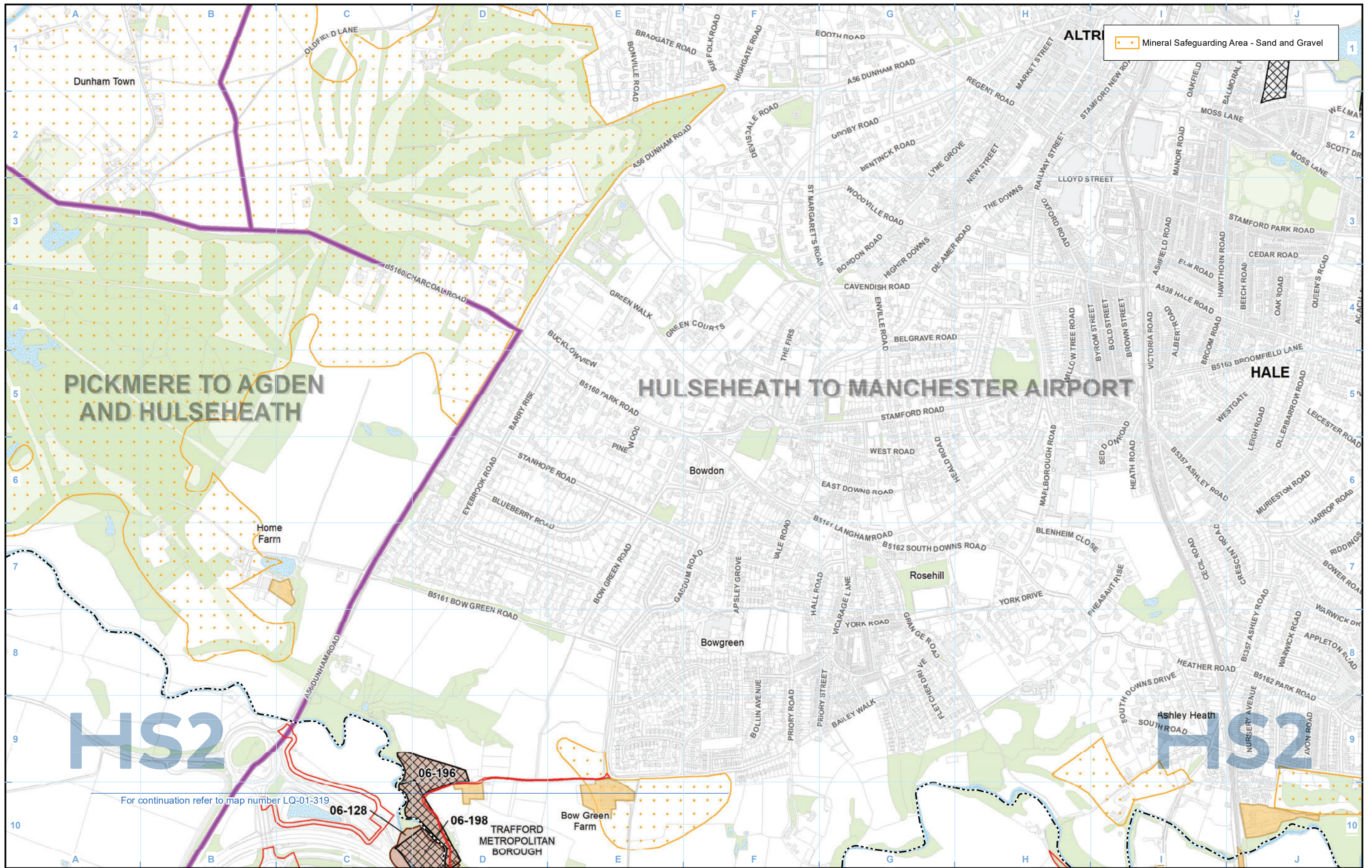
Scale at A3: 1:10,000

© Crown copyright and database rights 2020  
OS 100049190

Doc Number: 2DE01-MWJ-EV-MAP-M000-001741-P01

Date: 09/08/21





PICKMERE TO AGDEN AND HULSEHEATH

HULSEHEATH TO MANCHESTER AIRPORT

HS2

HS2

- Legend**
- Route in tunnel
  - Route on surface
  - Depot, station, headhouse or portal building
  - Land potentially required during construction
  - Community area boundary
  - County boundary
  - District/Borough boundary
  - Watercourse
  - Water body
  - Woodland
  - Registered park/garden
  - Landfill site (historical or active)
  - Geoconservation site
  - Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
  - Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
  - 01-126 — Site No.
  - CA No.

- Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details.
- A Shale Prospective Area covers the entire study area.

Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details.  
A Shale Prospective Area covers the entire study area.

Map Number: LQ-01-319-L1  
 Map Name: Land Quality  
 Community Area MA06:  
 Hulseheath to Manchester Airport

**HS2**

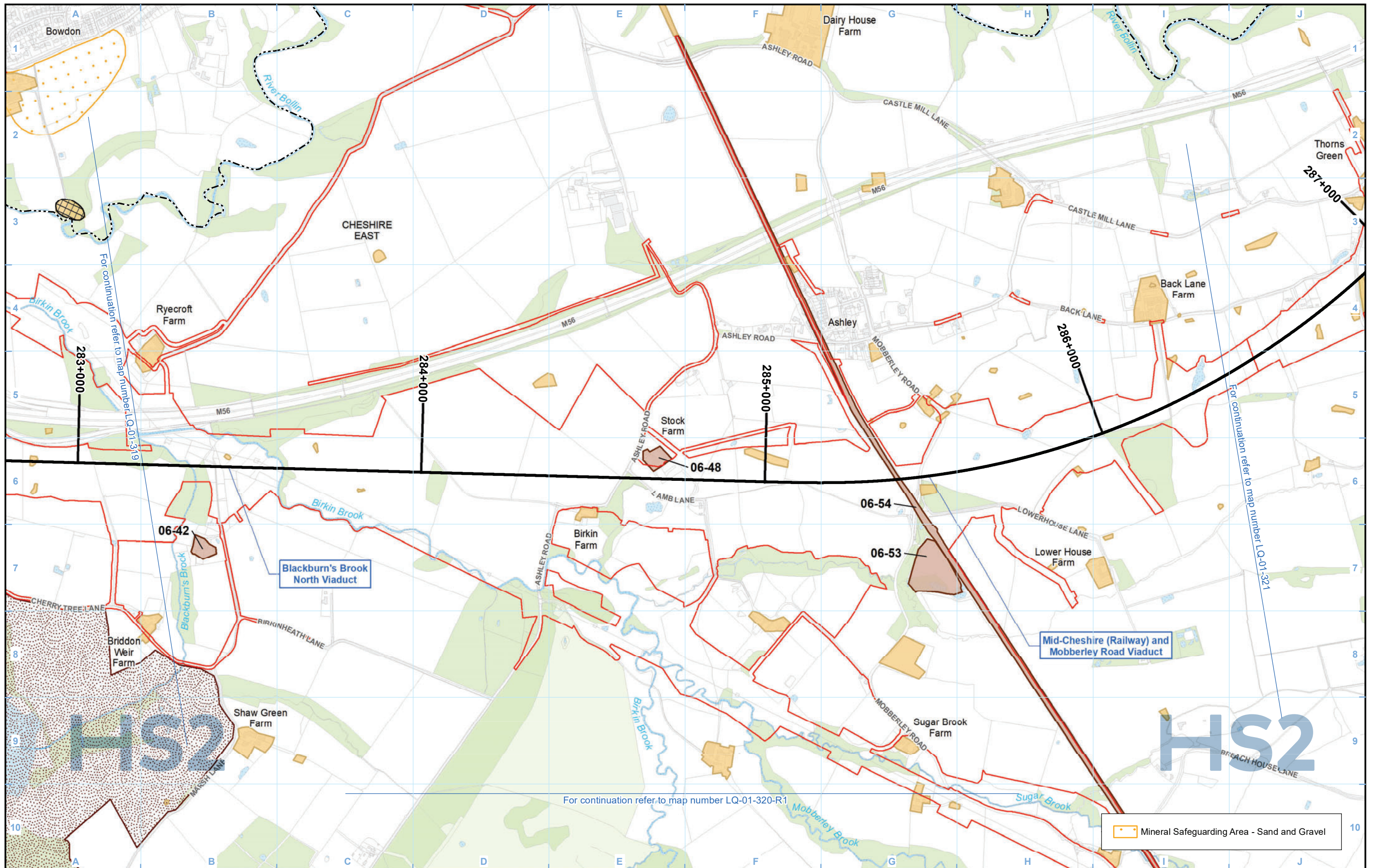
Registered in England. Registration number 06791686.  
 Registered office: 2 Snowhill, Queensway, Birmingham B4 6QA.

© Crown copyright and database rights 2020  
 OS 100049190

Scale at A3: 1:10,000

Doc Number: 2DE01-MWJ-EV-MAP-M000-002782-P01  
 Date: 09/08/21





**Legend**

	Route in tunnel		Watercourse
	Route on surface		Water body
	Depot, station, headhouse or portal building		Woodland
	Land potentially required during construction		Registered park/garden
	Community area boundary		
	County boundary		
	District/Borough boundary		

	Landfill site (historical or active)
	Geoconservation site
	Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
	Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
01-126	Site No.
—	CA No.

*Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.*

Map Number	LQ-01-320
Map Name	Land Quality
Community Area MA06: Hulseheath to Manchester Airport	

**HS2**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

© Crown copyright and database rights 2020  
OS 100049190

Doc Number: 2DE01-MWJ-EV-MAP-M000-001742-P01

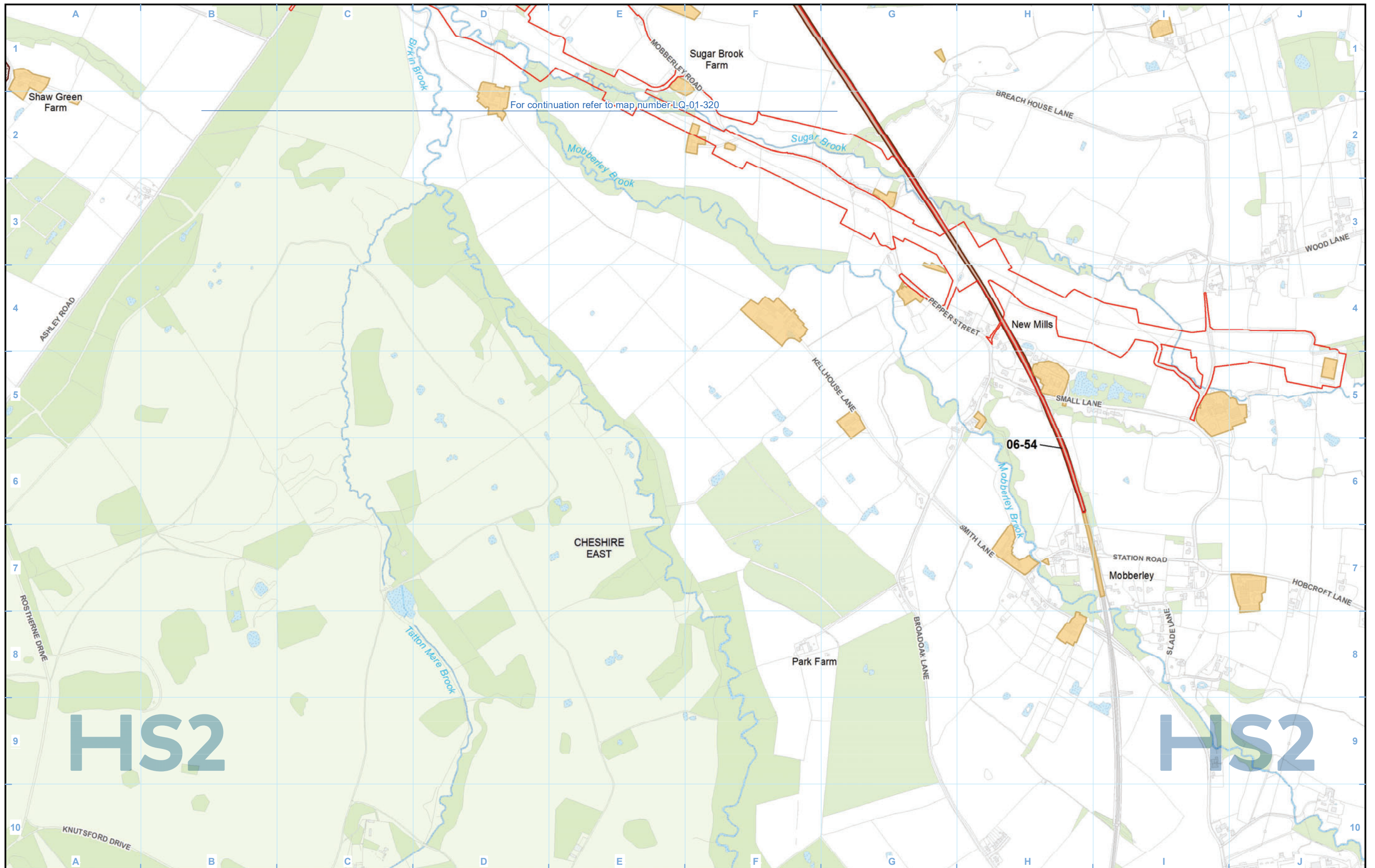
Scale at A3: 1:10,000

Metres

Date: 09/08/21

Mineral Safeguarding Area - Sand and Gravel





**Legend**

	Route in tunnel		Watercourse
	Route on surface		Water body
	Depot, station, headhouse or portal building		Woodland
	Land potentially required during construction		Registered park/garden
	Community area boundary		
	County boundary		
	District/Borough boundary		

	Landfill site (historical or active)
	Geoconservation site
	Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
	Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
	Site No.
	CA No.

*Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details.  
A Shale Prospective Area covers the entire study area.*

Map Number	LQ-01-320-R1
Map Name	Land Quality
Community Area MA06: Hulseheath to Manchester Airport	

**HS2**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

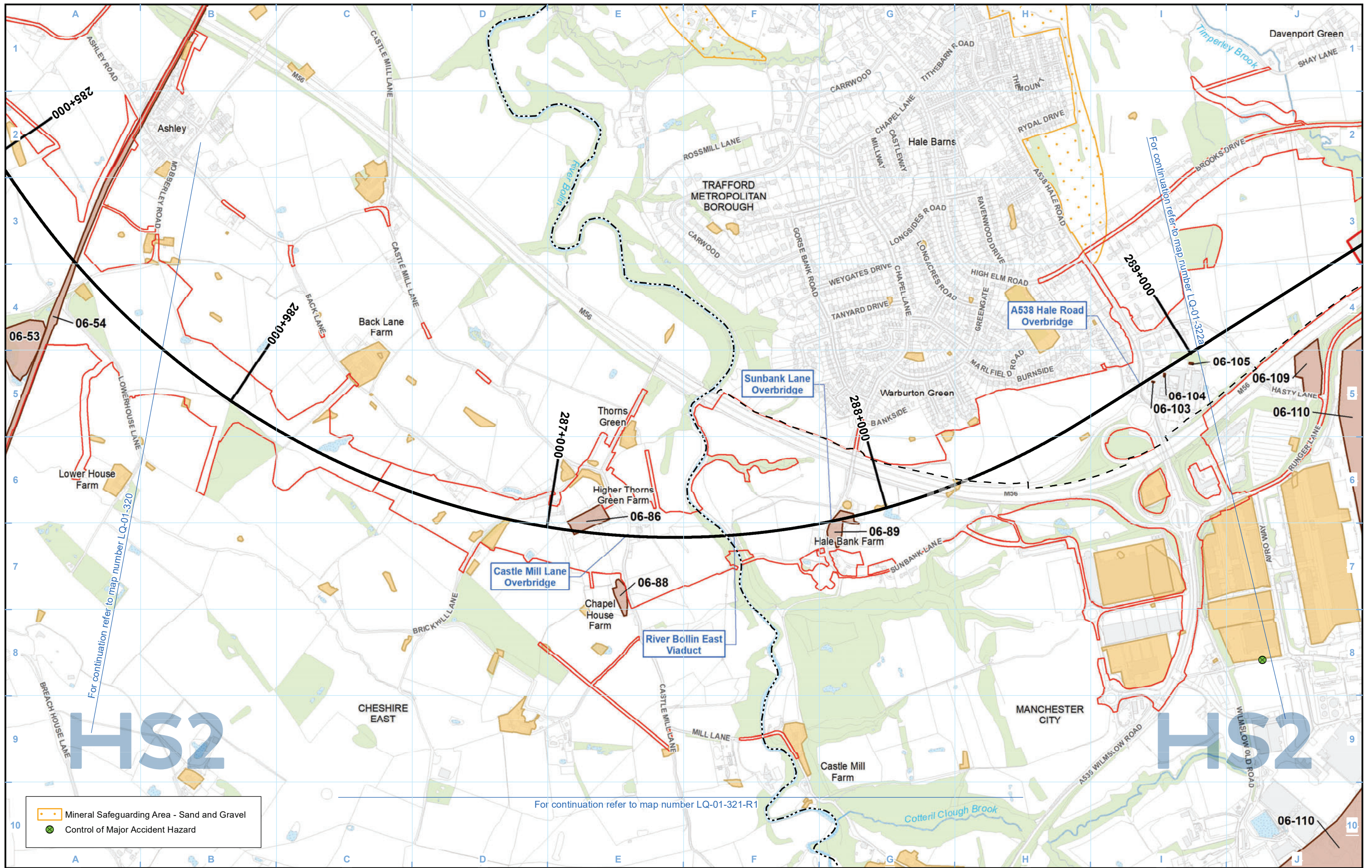
© Crown copyright and database rights 2020  
OS 100049190

Scale at A3: 1:10,000

Doc Number: 2DE01-MWJ-EV-MAP-M000-002412-P01

Date: 09/08/21





- Mineral Safeguarding Area - Sand and Gravel
- Control of Major Accident Hazard

- Legend**
- Route in tunnel
  - Route on surface
  - Depot, station, headhouse or portal building
  - Land potentially required during construction
  - Community area boundary
  - County boundary
  - District/Borough boundary
  - Watercourse
  - Water body
  - Woodland
  - Registered park/garden
  - Landfill site (historical or active)
  - Geoconservation site
  - Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
  - Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
  - 01-126 — Site No.
  - CA No.

Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.

Map Number	LQ-01-321
Map Name	Land Quality
Community Area MA06: Hulseheath to Manchester Airport	

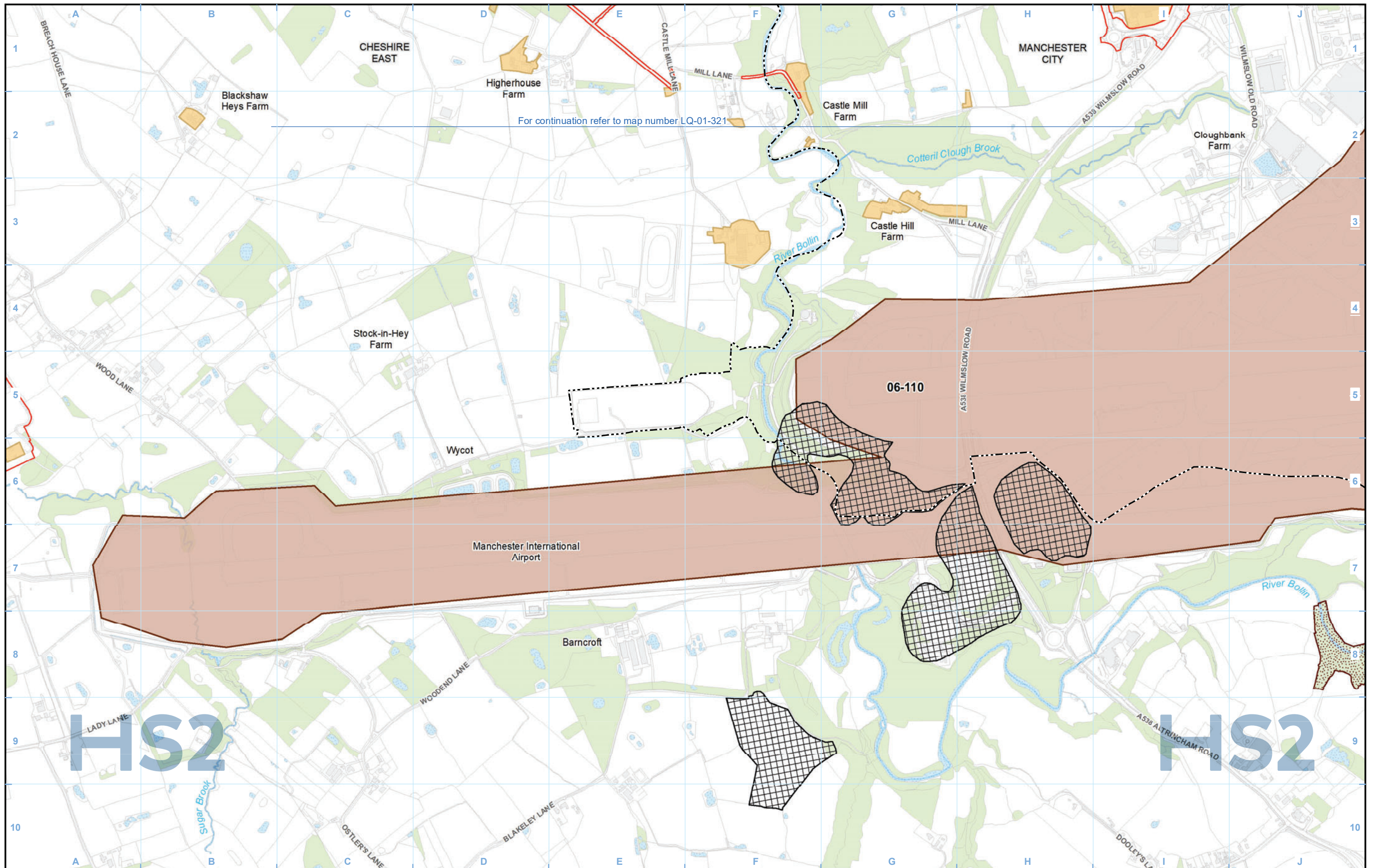
Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.  
© Crown copyright and database rights 2020  
OS 100049190

Doc Number: 2DE01-MWJ-EV-MAP-M000-001743-P01

Scale at A3: 1:10,000

Date: 09/08/21





For continuation refer to map number LQ-01-321

06-110

HS2

HS2

- Legend**
- Route in tunnel
  - Route on surface
  - Depot, station, headhouse or portal building
  - Land potentially required during construction
  - Community area boundary
  - County boundary
  - District/Borough boundary
  - Watercourse
  - Water body
  - Woodland
  - Registered park/garden

- Landfill site (historical or active)
- Geoconservation site
- Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
- Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
- 01-126 — Site No.
- CA No.

Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.

Map Number	LQ-01-321-R1
Map Name	Land Quality
Community Area MA06: Hulseheath to Manchester Airport	

**HS2**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

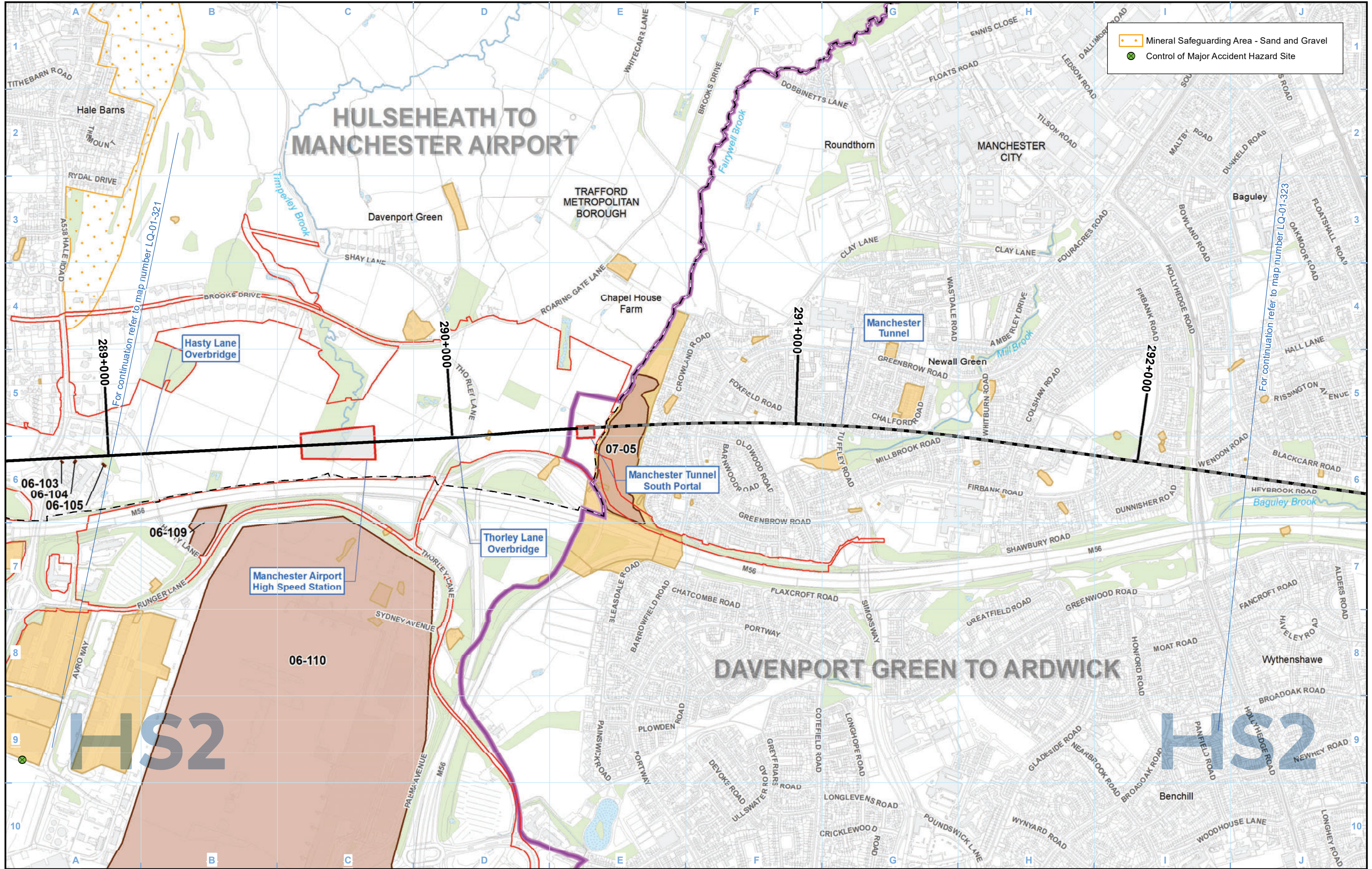
© Crown copyright and database rights 2020  
OS 100049190

Scale at A3: 1:10,000

Doc Number: 2DE01-MWJ-EV-MAP-M000-002784-P01

Date: 09/08/21





- Mineral Safeguarding Area - Sand and Gravel
- Control of Major Accident Hazard Site

**Legend**

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Land potentially required during construction
- Community area boundary
- County boundary
- District/Borough boundary
- Watercourse
- Water body
- Woodland
- Registered park/garden
- Landfill site (historical or active)
- Geoconservation site
- Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
- Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
- 01-126 — Site No.
- CA No.

*Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.*

Map Number: LQ-01-322a

Map Name: Land Quality

Community Area MA06: Hulseheath to Manchester Airport

**HS2**

Registered in England. Registration number 06791686. Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

© Crown copyright and database rights 2020 OS 100049190

Doc Number: 2DE01-MWJ-EV-MAP-M000-001744-P01

Scale at A3: 1:10,000

Date: 09/08/21



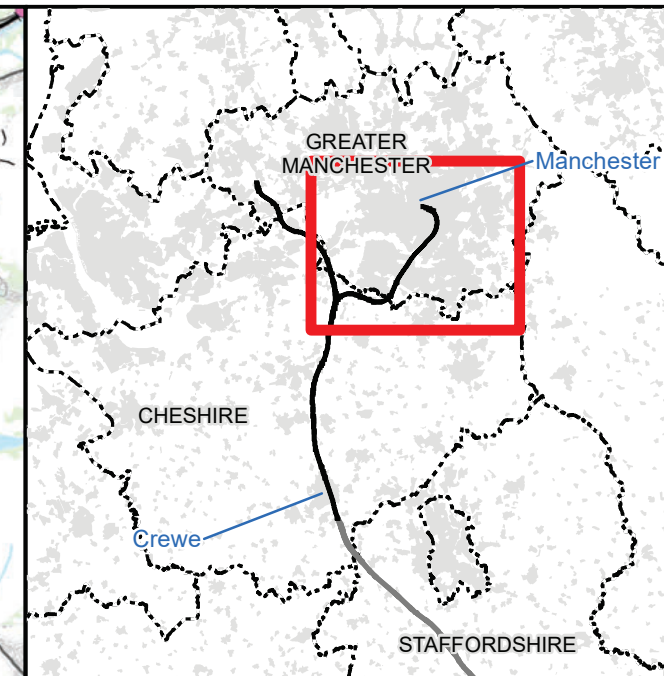
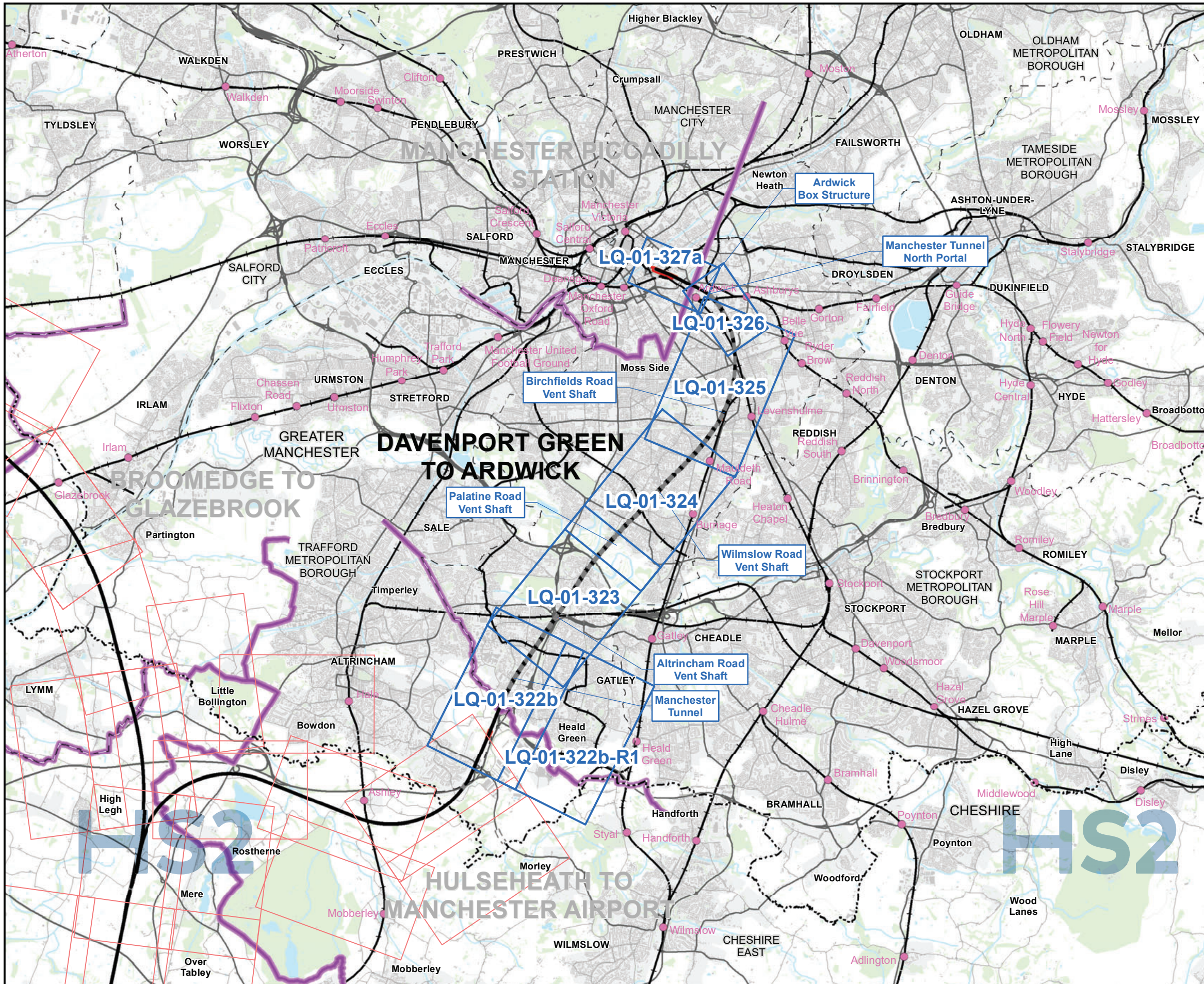
This page is intentionally blank



# **High Speed Rail (Crewe – Manchester) Environmental Statement**

MA07: Davenport Green to Ardwick  
LQ-01 - Land Quality





**Map Series Information:**

This Land Quality mapping shows potential sources of existing contamination close to the route as well as historical and operational landfill sites, current and potential future mining or mineral exploitation and geoconservation sites

- Main Map Legend**
- Route in tunnel
  - Route on surface
  - Depot, station, headhouse or portal building
  - Community area boundary
  - Existing railway station
  - County boundary
  - District/Borough boundary
  - Map sheets included in this community area
  - Map sheets not included in this community area

Map Number	LQ-01-INDEX-MA07
Map Name	Index Map of: Land Quality
	Community Area MA07: Davenport Green to Ardwick

**HS2**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

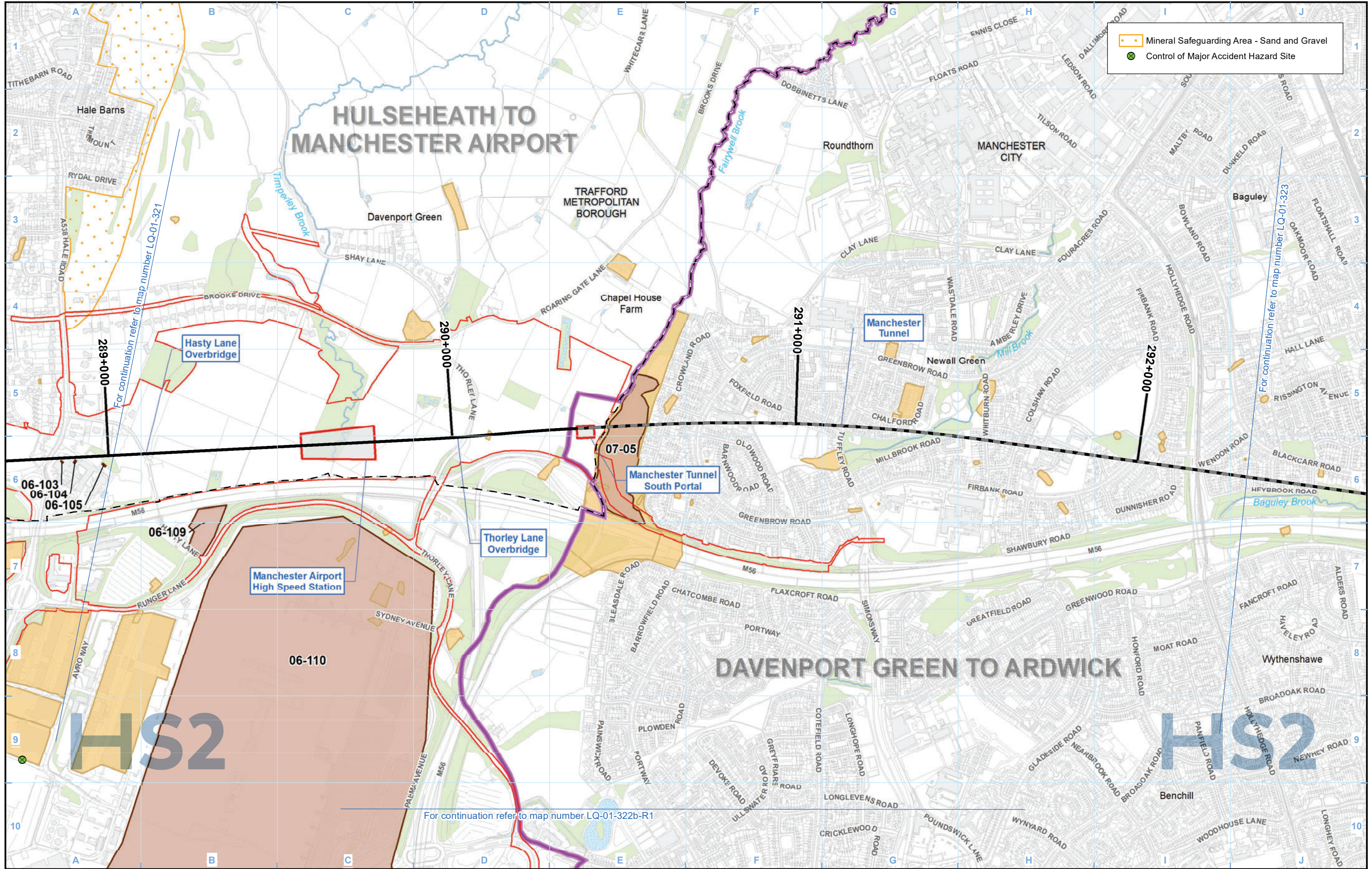
OS 100049190

Scale at A3: 1:100,000

0 1,000 2,000 3,000 4,000 Metres

Doc Number: 2DE01-MWJ-EV-MAP-M000-001760-P01 Date: 09/08/21





- Mineral Safeguarding Area - Sand and Gravel
- Control of Major Accident Hazard Site

**Legend**

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Land potentially required during construction
- Community area boundary
- County boundary
- District/Borough boundary
- Watercourse
- Water body
- Woodland
- Registered park/garden
- Landfill site (historical or active)
- Geoconservation site
- Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
- Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
- 01-126 Site No.
- CA No.

*Petroleum Exploration and Development Licences are present within the study area, see relevant Volume 2 report for details. A Shale Prospective Area covers the entire study area.*

Map Number: LQ-01-322b

Map Name: Land Quality

Community Area MA07: Davenport Green to Ardwick

**HS2**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

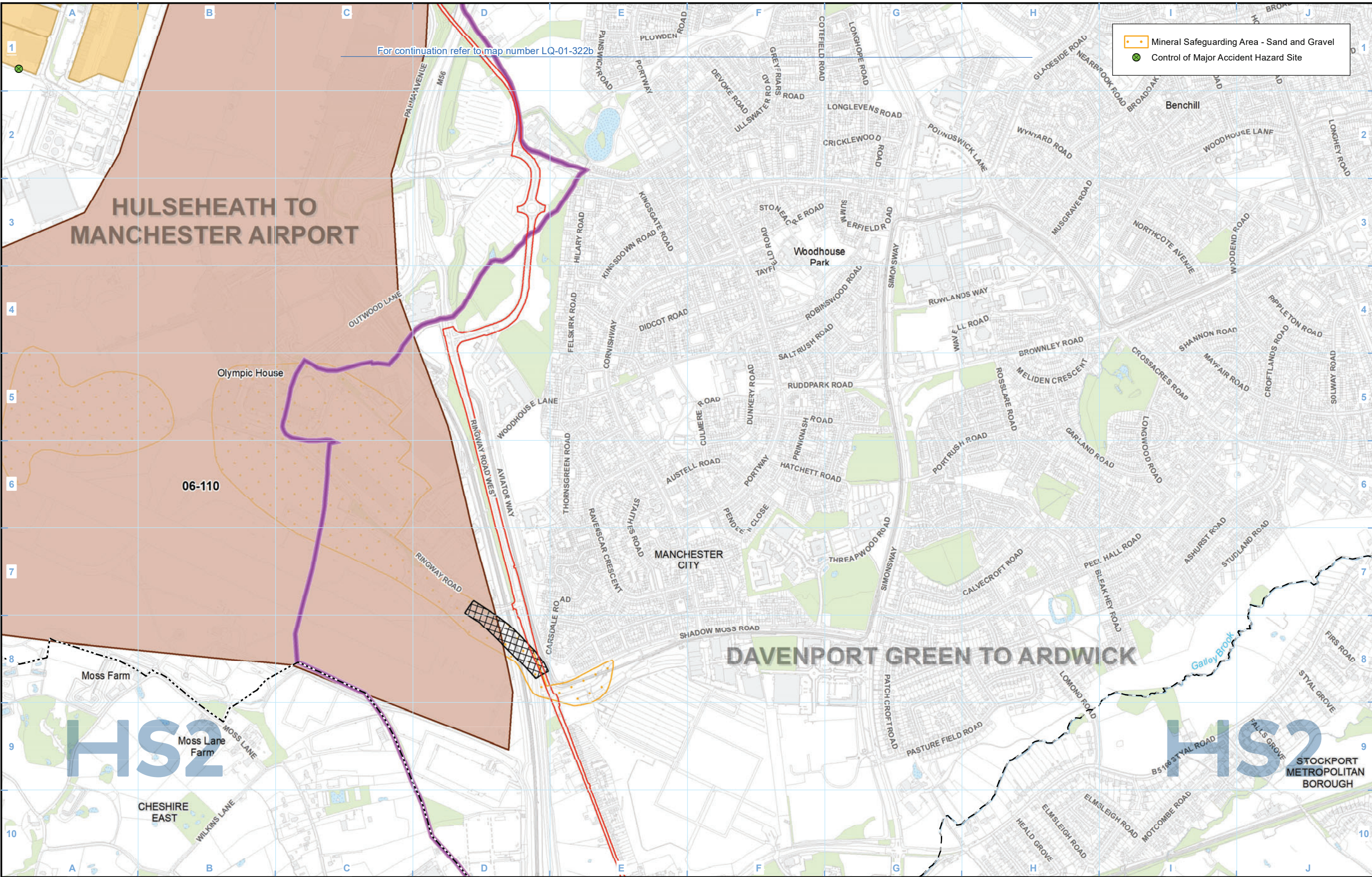
Scale at A3: 1:10,000

© Crown copyright and database rights 2020  
OS 100049190

Doc Number: 2DE01-MWJ-EV-MAP-M000-001745-P01

Date: 09/08/21





For continuation refer to map number LQ-01-322b

- Mineral Safeguarding Area - Sand and Gravel
- Control of Major Accident Hazard Site

**Legend**

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Land potentially required during construction
- Community area boundary
- County boundary
- District/Borough boundary
- Watercourse
- Water body
- Woodland
- Registered park/garden
- Landfill site (historical or active)
- Geoconservation site
- Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
- Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
- Site No.
- CA No.

Landfill site (historical or active)

Geoconservation site

Area assessed as not posing a contaminative risk in relation to the Proposed Scheme

Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme

Site No.

CA No.

A Shale Prospective Area covers the entire study area.

Map Number: LQ-01-322b-R1

Map Name: Land Quality

Community Area MA07: Davenport Green to Ardwick

**HS2**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

© Crown copyright and database rights 2020  
OS 100049190

Scale at A3: 1:10,000

0 100 200 300 400 Metres

Doc Number: 2DE01-MWJ-EV-MAP-M000-002783-P01

Date: 09/08/21





Mineral Safeguarding Area - Sand and Gravel

For continuation refer to map number LQ-01-322b

For continuation refer to map number LQ-01-324

A Shale Prospective Area covers the entire study area.

- Legend**
- Route in tunnel
  - Route on surface
  - Depot, station, headhouse or portal building
  - Land potentially required during construction
  - Community area boundary
  - County boundary
  - District/Borough boundary
  - Watercourse
  - Water body
  - Woodland
  - Registered park/garden
  - Landfill site (historical or active)
  - Geoconservation site
  - Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
  - Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
  - 01-126 — Site No.
  - CA No.

Map Number LQ-01-323

Map Name Land Quality

Community Area MA07:  
Davenport Green to Ardwick

**HS2**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway,  
Birmingham B4 6QA.

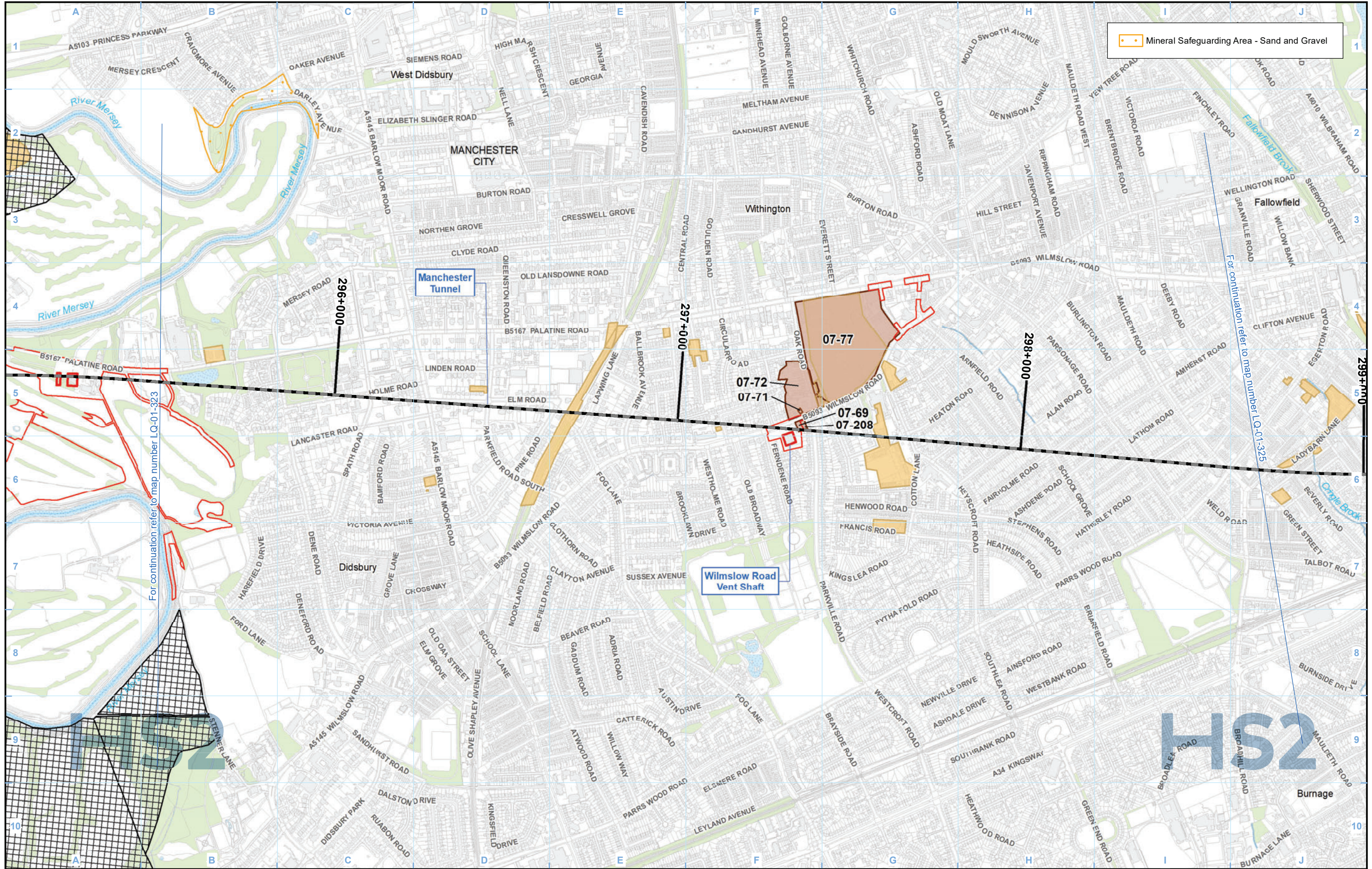
Scale at A3: 1:10,000

© Crown copyright and database rights 2020  
OS 100049190

Doc Number: 2DE01-MWJ-EV-MAP-M000-001746-P01

Date: 09/08/21





Mineral Safeguarding Area - Sand and Gravel

- Legend**
- Route in tunnel
  - Route on surface
  - Depot, station, headhouse or portal building
  - Land potentially required during construction
  - Community area boundary
  - County boundary
  - District/Borough boundary
  - Watercourse
  - Water body
  - Woodland
  - Registered park/garden
  - Landfill site (historical or active)
  - Geoconservation site
  - Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
  - Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme

- 01-126 — Site No.
- CA No.

A Shale Prospective Area covers the entire study area.

Map Number	LQ-01-324
Map Name	Land Quality
Community Area MA07: Davenport Green to Ardwick	

HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

© Crown copyright and database rights 2020  
OS 100049190

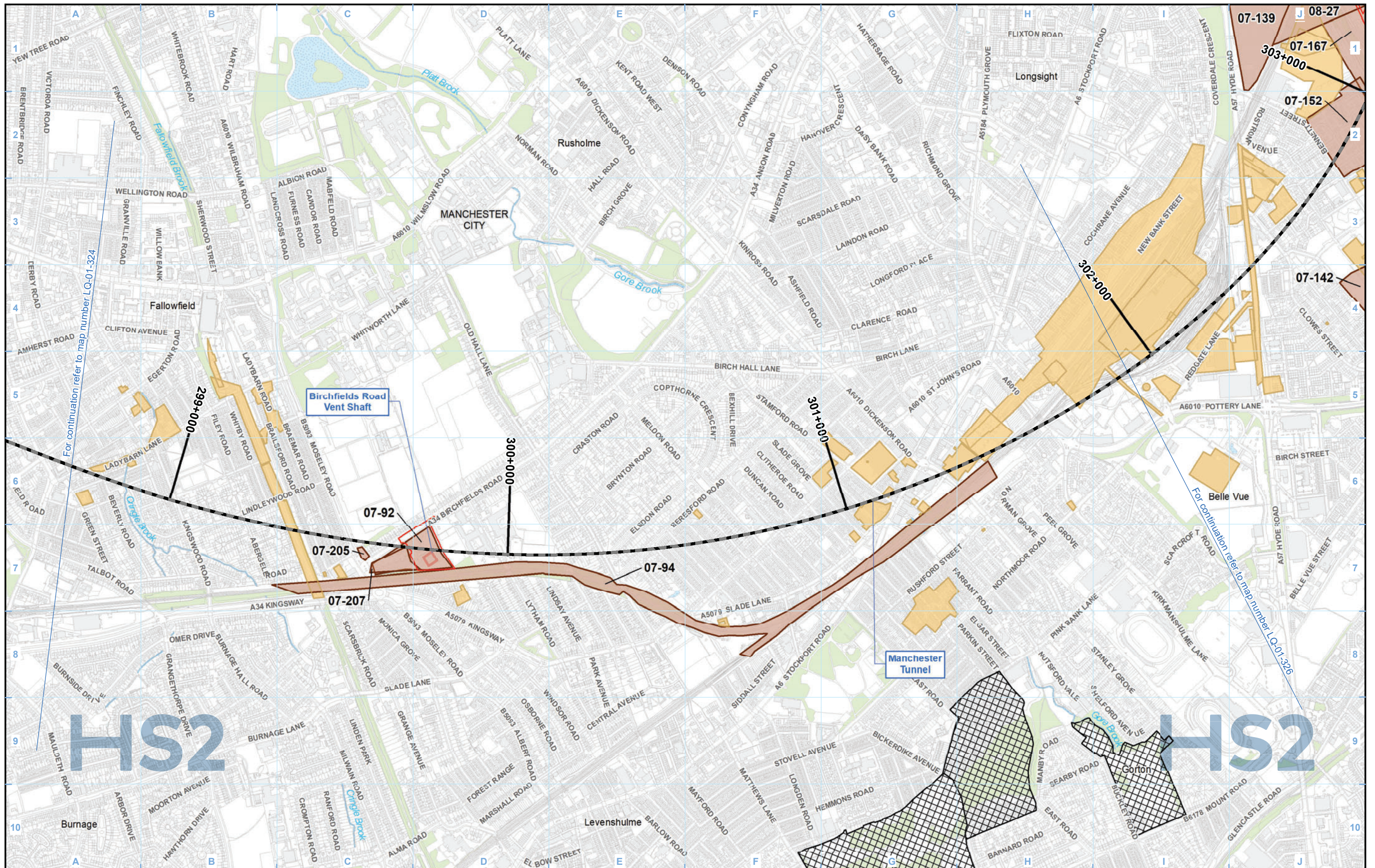
Doc Number: 2DE01-MWJ-EV-MAP-M000-001747-P01

Scale at A3: 1:10,000

Metres

Date: 09/08/21





**Legend**

Route in tunnel	Watercourse	Landfill site (historical or active)
Route on surface	Water body	Geoconservation site
Depot, station, headhouse or portal building	Woodland	Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
Land potentially required during construction	Registered park/garden	Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
Community area boundary		01-126 — Site No.
County boundary		— CA No.
District/Borough boundary		

A Shale Prospective Area covers the entire study area.

Map Number	LQ-01-325
Map Name	Land Quality
Community Area MA07: Davenport Green to Ardwick	

**HS2**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6QA.

Scale at A3: 1:10,000

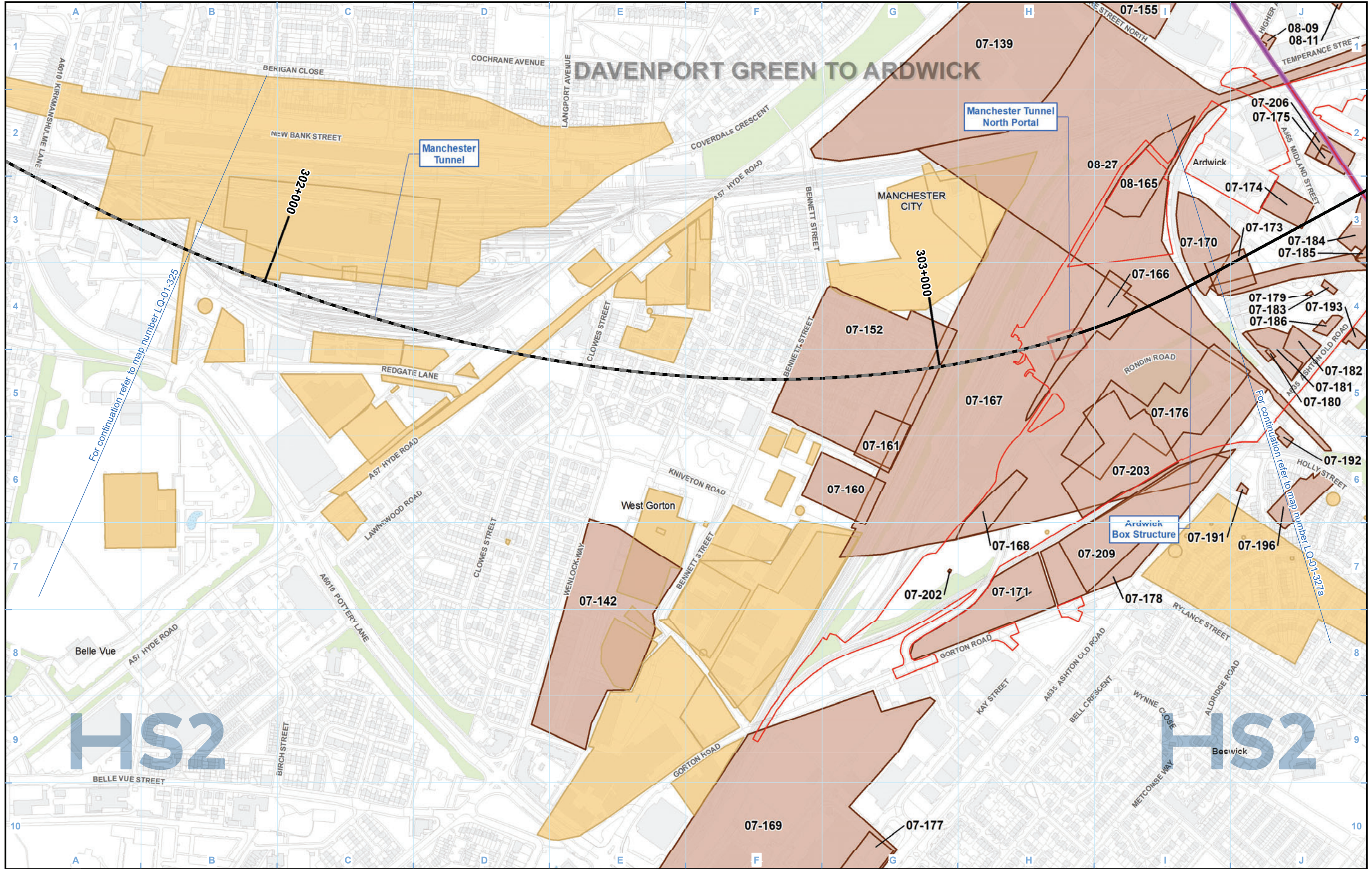
© Crown copyright and database rights 2020  
OS 100049190

Doc Number: 2DE01-MWJ-EV-MAP-M000-001748-P01

Date: 09/08/21



# DAVENPORT GREEN TO ARDWICK



**Legend**

Route in tunnel	Watercourse	Landfill site (historical or active)
Route on surface	Water body	Geoconservation site
Depot, station, headhouse or portal building	Woodland	Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
Land potentially required during construction	Registered park/garden	Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
Community area boundary		01-126 — Site No.
County boundary		— CA No.
District/Borough boundary		

A Shale Prospective Area covers the entire study area.

Map Number	LQ-01-326
Map Name	Land Quality
	Community Area MA07: Davenport Green to Ardwick

**HS2** Beswick

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

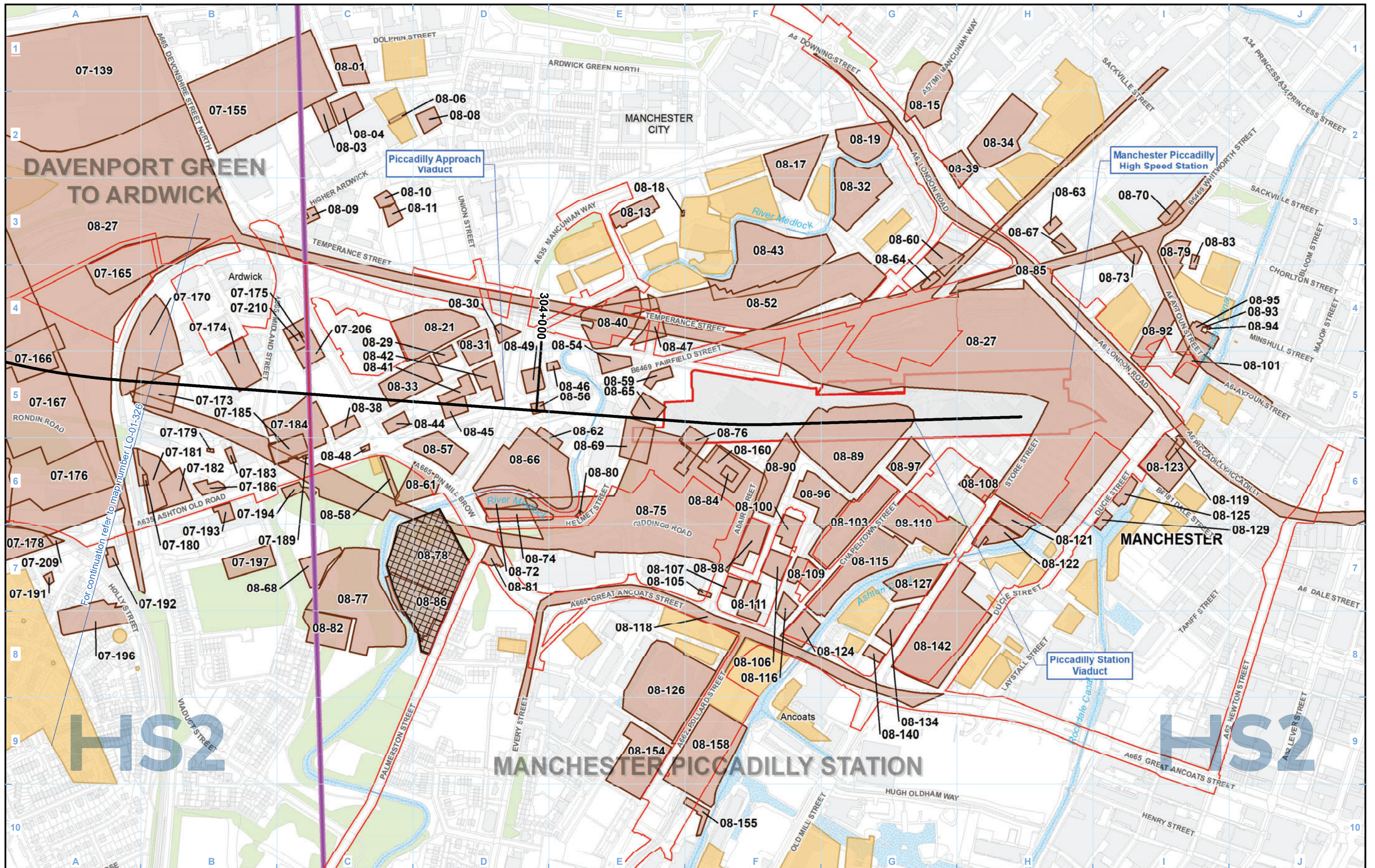
© Crown copyright and database rights 2020  
OS 100049190

Scale at A3: 1:5,000

Doc Number: 2DE01-MWJ-EV-MAP-M000-002926-P01

Date: 09/08/21





- Legend**
- Route in tunnel
  - Route on surface
  - Depot, station, headhouse or portal building
  - Land potentially required during construction
  - Community area boundary
  - County boundary
  - District/Borough boundary
  - Watercourse
  - Water body
  - Woodland
  - Registered park/garden
  - Landfill site (historical or active)
  - Geoconservation site
  - Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
  - Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
  - Site No.
  - CA No.

A Shale Prospective Area covers the entire study area.

Map Number	LQ-01-327a
Map Name	Land Quality
Community Area MA07: Davenport Green to Ardwick	

**HS2**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:5,000

© Crown copyright and database rights 2020  
OS 100049190

Doc Number: 2DE01-MWJ-EV-MAP-M000-002927-P01

Date: 09/08/21



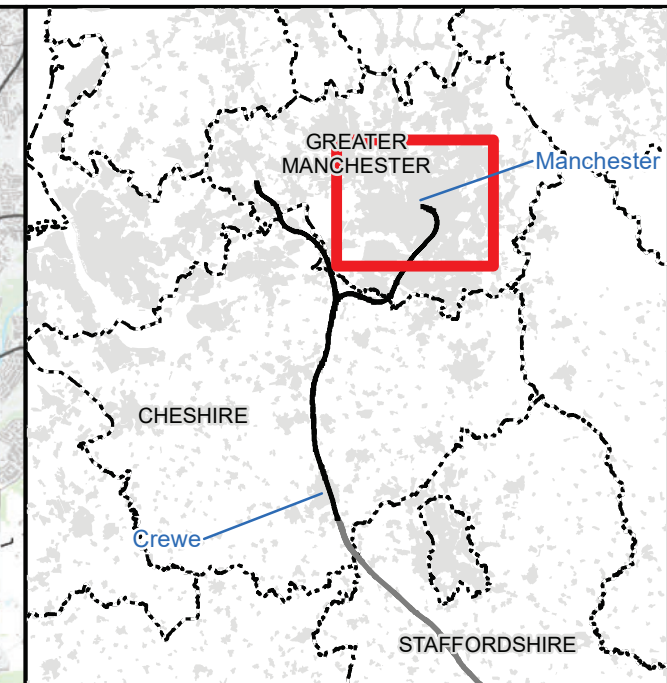
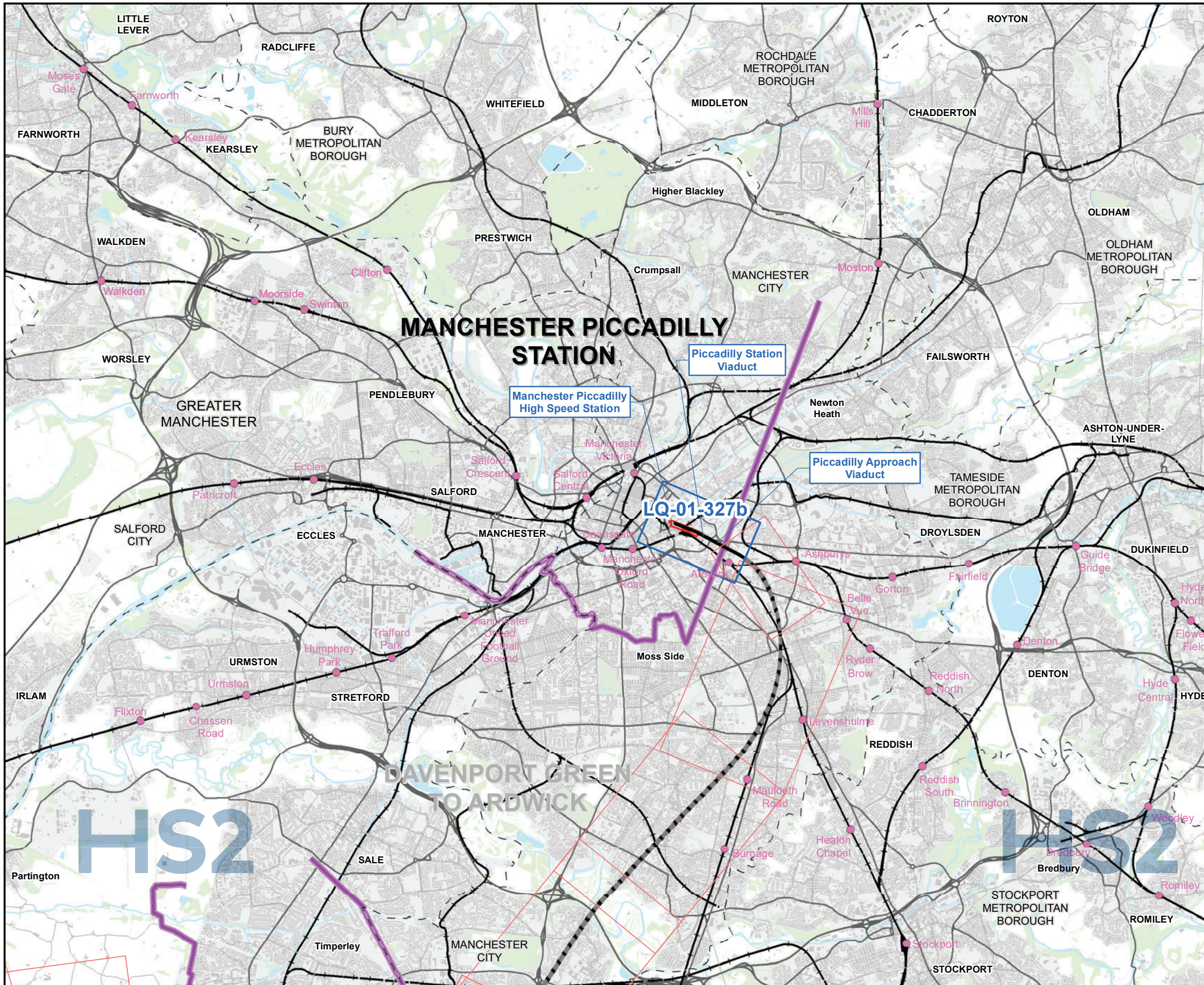
This page is intentionally blank



## **High Speed Rail (Crewe – Manchester) Environmental Statement**

MA08: Manchester Piccadilly Station  
LQ-01 - Land Quality





### Map Series Information:

This Land Quality mapping shows potential sources of existing contamination close to the route as well as historical and operational landfill sites, current and potential future mining or mineral exploitation and geoconservation sites

- Main Map Legend**
- Route in tunnel
  - Route on surface
  - Depot, station, headhouse or portal building
  - Community area boundary
  - Existing railway station
  - County boundary
  - District/Borough boundary
  - Map sheets included in this community area
  - Map sheets not included in this community area

Map Number	LQ-01-INDEX-MA08
Map Name	Index Map of: Land Quality
	Community Area MA08: Manchester Piccadilly Station

**HS2** HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

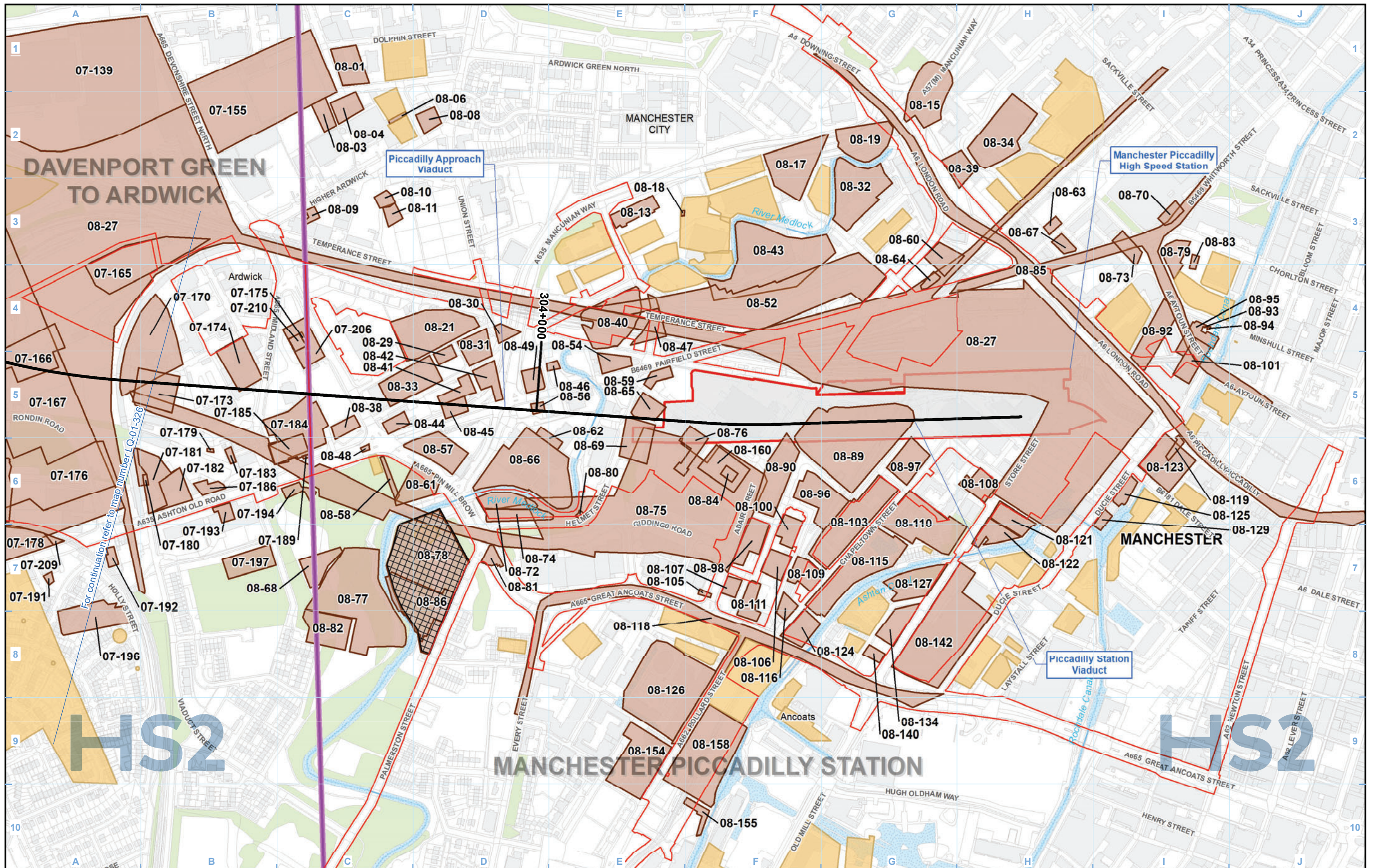
Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

© Crown copyright and database rights 2020  
OS 100049190

Scale at A3: 1:75,000

Doc Number: 2DE01-MWJ-EV-MAP-M000-001761-P01 Date: 09/08/21





- Legend**
- Route in tunnel
  - Route on surface
  - Depot, station, headhouse or portal building
  - Land potentially required during construction
  - Community area boundary
  - County boundary
  - District/Borough boundary
  - Watercourse
  - Water body
  - Woodland
  - Registered park/garden
  - Landfill site (historical or active)
  - Geoconservation site
  - Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
  - Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
  - 01-126 — Site No.
  - CA No.

A Shale Prospective Area covers the entire study area.

Map Number	LQ-01-327b
Map Name	Land Quality
	Community Area MA08: Manchester Piccadilly Station

**HS2**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

Scale at A3: 1:5,000

© Crown copyright and database rights 2020  
OS 100049190

Doc Number: 2DE01-MWJ-EV-MAP-M000-002928-P01

Date: 09/08/21



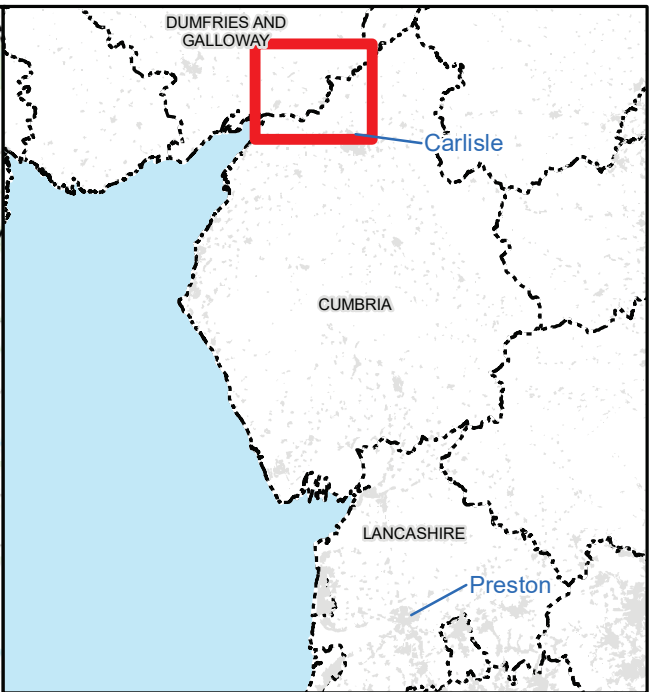
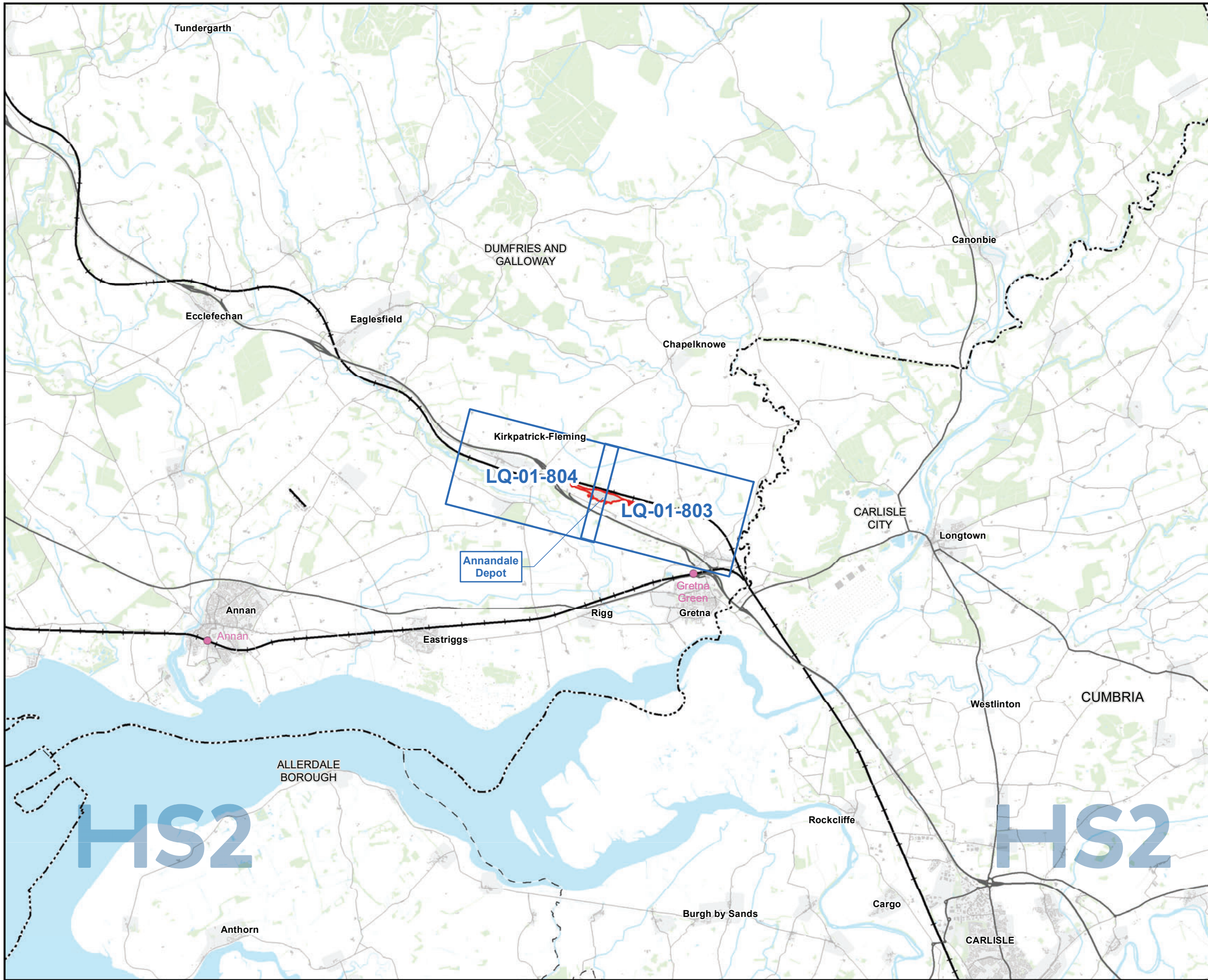
This page is intentionally blank



# **High Speed Rail (Crewe – Manchester) Environmental Statement**

OR003: Annandale Depot  
LQ-01 - Land Quality





**Map Series Information:**

This Land Quality mapping shows potential sources of existing contamination close to the route as well as historical and operational landfill sites, current and potential future mining or mineral exploitation and geoconservation sites

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

**Main Map Legend**

Route in tunnel	Map sheets included in this community area
Route on surface	Map sheets not included in this community area
Depot, station, headhouse or portal building	
Community area boundary	
Existing railway station	
County/Unitary Authority boundary	
District/Borough boundary	

Map Number	LQ-01-INDEX-ADEP
Map Name	Index Map of: Land Quality
	Off-route ADEP: Annandale Depot

**HS2** HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

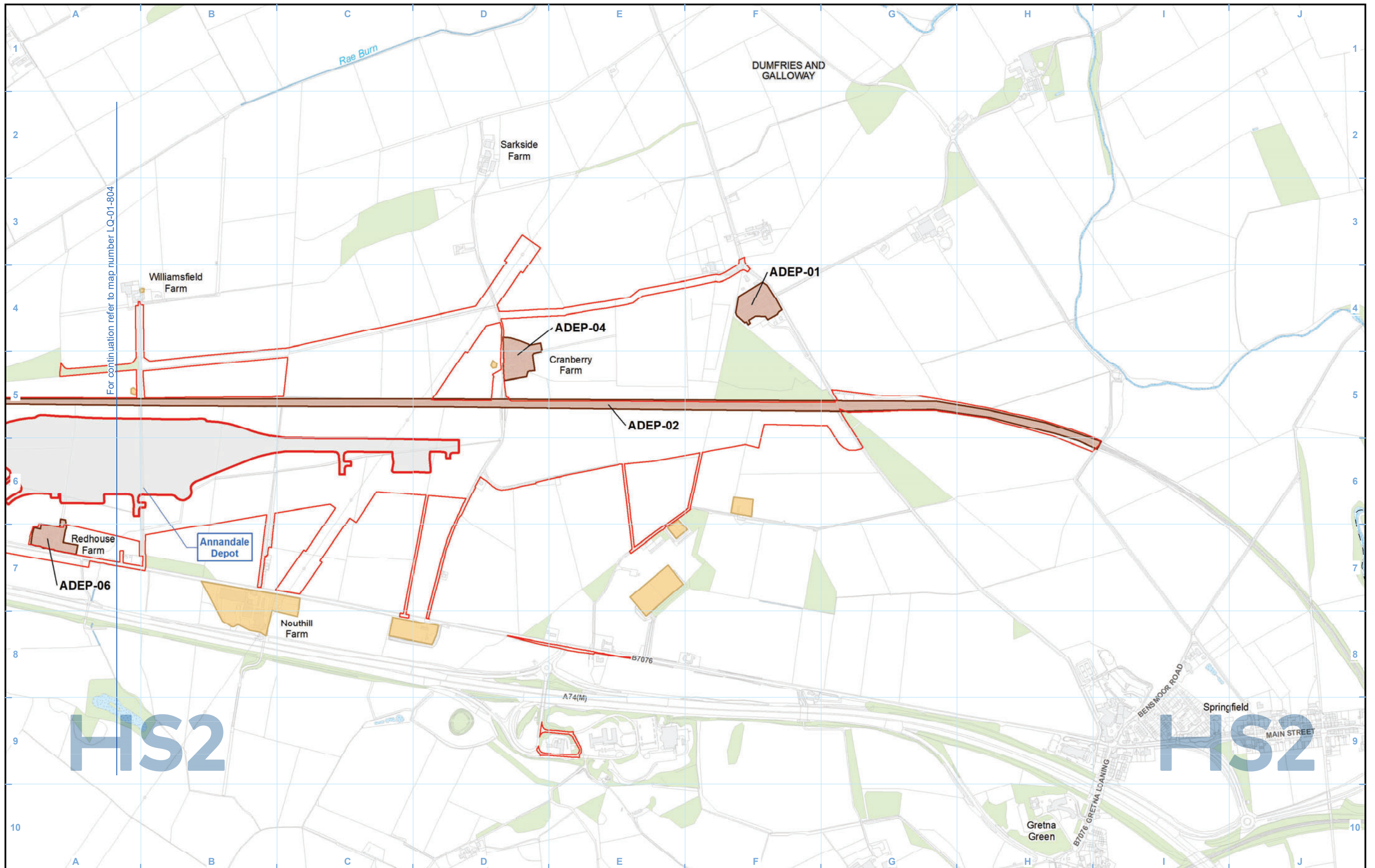
Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

© Crown copyright and database rights 2020  
OS 100049190

Scale at A3: 1:100,000

Doc Number: 2DE01-MWJ-EV-MAP-M000-001763-P01 Date: 06/09/21

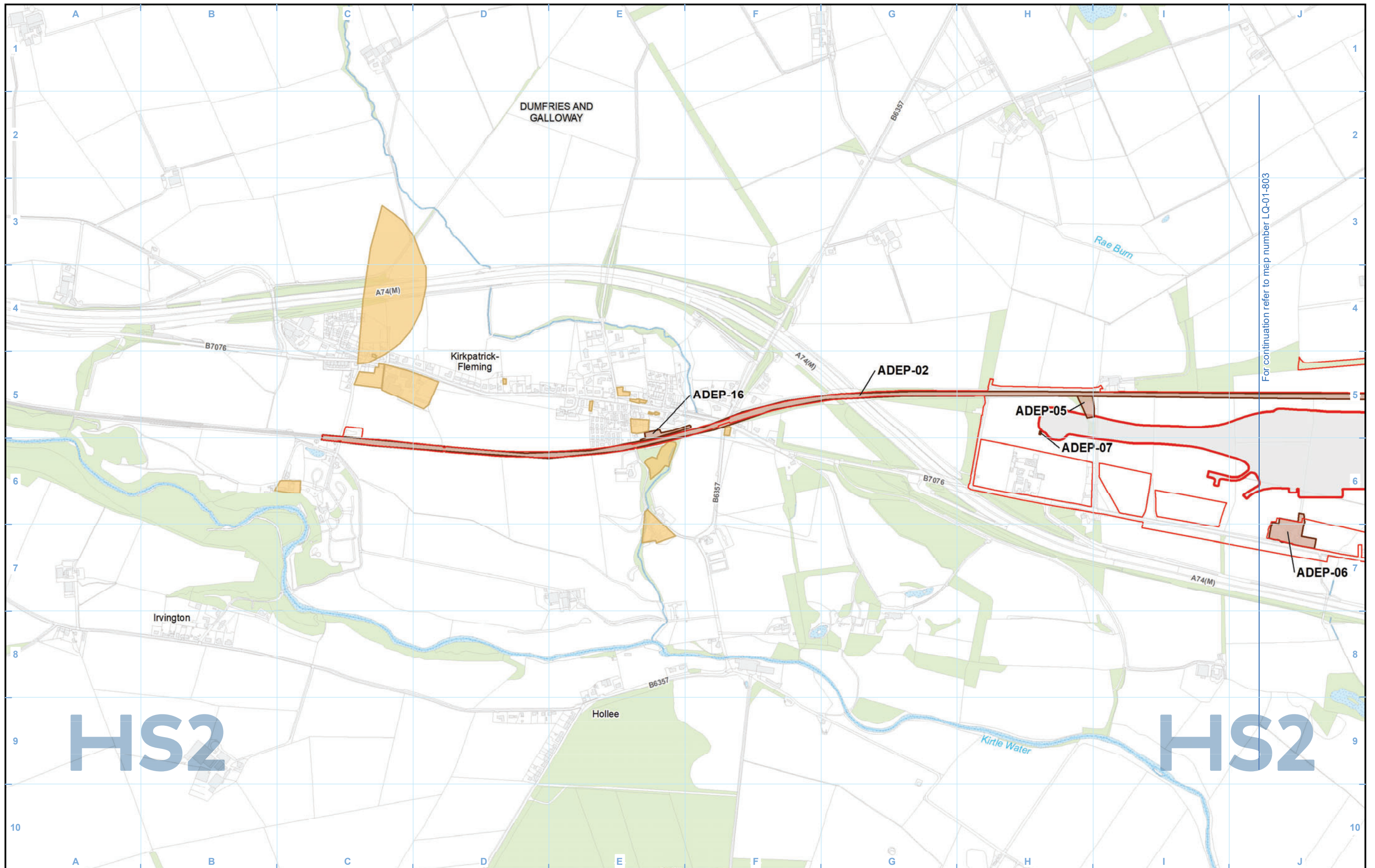




For continuation refer to map number LQ-01-804

<b>Legend</b> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <ul style="list-style-type: none"> <li><span style="border-bottom: 2px solid black; width: 20px; display: inline-block;"></span> Route in tunnel</li> <li><span style="border-bottom: 2px solid black; width: 20px; display: inline-block;"></span> Route on surface</li> <li><span style="border: 2px solid red; width: 20px; display: inline-block;"></span> Depot, station, headhouse or portal</li> <li><span style="border: 2px solid red; width: 20px; display: inline-block;"></span> Land potentially required during</li> <li><span style="border-bottom: 2px solid purple; width: 20px; display: inline-block;"></span> Community area boundary</li> <li><span style="border-bottom: 2px dashed black; width: 20px; display: inline-block;"></span> County/Unitary Authority</li> <li><span style="border-bottom: 2px dashed black; width: 20px; display: inline-block;"></span> District/Borough boundary</li> </ul> </div> <div style="width: 30%;"> <ul style="list-style-type: none"> <li><span style="border-bottom: 2px solid blue; width: 20px; display: inline-block;"></span> Watercourse</li> <li><span style="background-color: lightblue; border: 1px solid blue; width: 20px; height: 10px; display: inline-block;"></span> Water body</li> <li><span style="background-color: lightgreen; border: 1px solid green; width: 20px; height: 10px; display: inline-block;"></span> Woodland</li> <li><span style="background-color: lightgreen; border: 1px solid green; width: 20px; height: 10px; display: inline-block;"></span> Registered park/garden</li> </ul> </div> <div style="width: 30%;"> <ul style="list-style-type: none"> <li><span style="background-color: #cccccc; border: 1px solid black; width: 20px; height: 10px; display: inline-block;"></span> Landfill site (historical or active)</li> <li><span style="background-color: #cccccc; border: 1px solid black; width: 20px; height: 10px; display: inline-block;"></span> Geoconservation site</li> <li><span style="background-color: #f0e68c; border: 1px solid black; width: 20px; height: 10px; display: inline-block;"></span> Area assessed as not posing a contaminative risk in relation to the Proposed Scheme</li> <li><span style="background-color: #f0e68c; border: 1px solid black; width: 20px; height: 10px; display: inline-block;"></span> Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme</li> </ul> </div> </div>	
<ul style="list-style-type: none"> <li><span style="border-bottom: 2px solid black; width: 20px; display: inline-block;"></span> ADEP-01 Site No.</li> <li><span style="border-bottom: 2px solid black; width: 20px; display: inline-block;"></span> Off-route Location</li> </ul>	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Map Number: LQ-01-803</p> <p>Map Name: Land Quality</p> <p>Off-route ADEP: Annandale Depot</p> </div> <div style="width: 45%; text-align: right;"> <p><b>HS2</b></p> <p>Registered in England. Registration number 06791686. Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.</p> <p>© Crown copyright and database rights 2020 OS 100049190</p> <p>Doc Number: 2DE01-MWJ-EV-MAP-M000-001753-P01</p> </div> </div>
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 60%;"> <p>Scale at A3: 1:10,000</p> </div> <div style="width: 35%; text-align: right;"> <p>Scale at A3: 1:10,000</p> <p>Metres</p> <p>Date: 12/08/21</p> </div> </div>	





For continuation refer to map number LQ-01-803

Legend	
	Route in tunnel
	Route on surface
	Depot, station, headhouse or portal building
	Land potentially required during construction
	Community area boundary
	County/Unitary Authority boundary
	District/Borough boundary
	Watercourse
	Water body
	Woodland
	Registered park/garden
	Landfill site (historical or active)
	Geoconservation site
	Area assessed as not posing a contaminative risk in relation to the Proposed Scheme
	Area assessed as potentially posing a contaminative risk in relation to the Proposed Scheme
	ADEP-01 Site No.
	Off-route Location

Map Number	LQ-01-804
Map Name	Land Quality
Off-route ADEP: Annandale Depot	

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway,  
Birmingham B4 6GA.

© Crown copyright and database rights 2020  
OS 100049190

Doc Number: 2DE01-MWJ-EV-MAP-M000-002678-P01

Scale at A3: 1:10,000

Metres

Date: 12/08/21

HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.