

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

## **Supplementary Environmental Statement 1 and Additional Provision 1 Environmental Statement**

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

Agriculture, forestry and soils (AG-01, AG-04)



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## **Supplementary Environmental Statement 1 and Additional Provision 1 Environmental Statement**

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

Agriculture, forestry and soils (AG-01, AG-04)



Department  
for Transport

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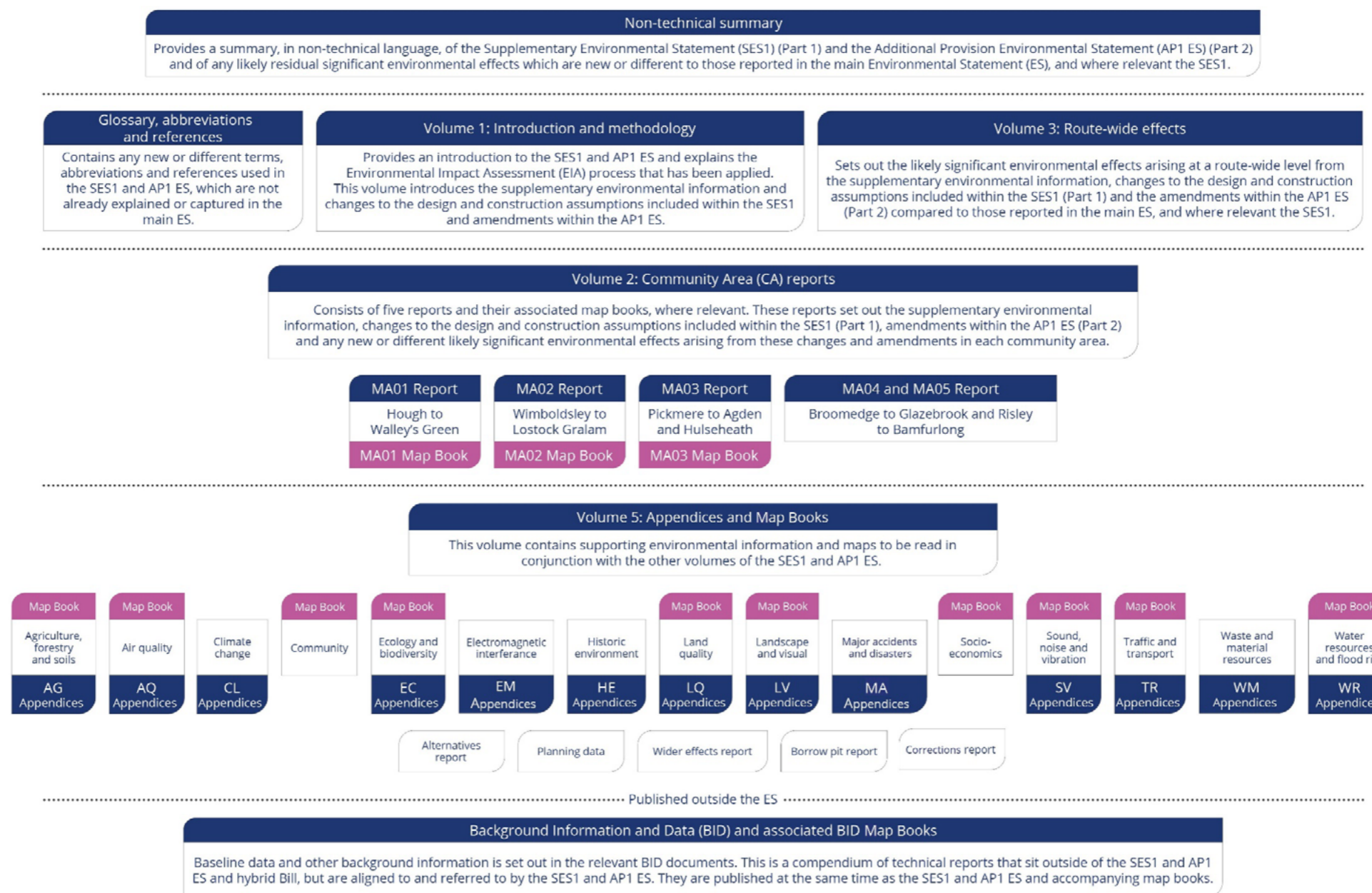
Data dictionary and definitions

Map series name	AG-01 - Agricultural Holdings	AG-04 - Agricultural Land Quality
<b>Map series description</b>	These maps show the extent of farm holdings and the location of key farm buildings.	These maps show the distribution of agricultural land quality within the construction boundary. Farm names have been provided by Ordnance Survey MasterMap, APRIL 2021. In some cases, farm names have been amended or added to reflect the name used by the current owner or occupier; these are represented in brown text.
<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		

# Mapping explanatory notes

## Structure of the Supplementary Environmental Statement 1 and the Additional Provision 1 Environmental Statement

This map book is part of the suite of documents that make up the Supplementary Environmental Statement 1 (SES1) and the Additional Provision 1 Environmental Statement (AP1 ES) for the High Speed Rail (Crewe – Manchester) scheme. The SES1 and the AP1 ES are separate documents; however, they are bound together and presented in a number of volumes shown in Figure 1.



## Copyright statements

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

## Ordnance Survey data

All maps produced as part of the SES1 and AP1 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 SES1 and AP1 ES have a chainage value shown next to the alignment. Chainage is presented on the maps in black font, in the form of XXX+YYY, e.g. 192+000 or 239+500.

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

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

## Map sheet layout

Each map in Volume 2 is presented twice, with the main ES map (In Parliament - Session 2021 - 2022) on the left-hand page and the SES1 and the AP1 ES map on the right. For the CT-05 and CT-06 map series, the SES1 and the AP1 ES is shown with different coloured hatching, annotated with labels, which highlights the areas of change. The coloured text box provides a brief description of the design change and amendment, and gives the SES1 and the AP1 ES reference number. In some instances where the effect covers a large area, a box without hatching but with a label, is shown. Only maps which have been amended as a result of the SES1 and the AP1 ES are included within the map books. Other design changes which are within the existing limits of the Bill and do not result in new or different likely significant effects are also shown on the maps, but are not indicated by hatching.

Each Volume 5 map is annotated to describe the change to a receptor or significant effect, and to give the SES1 and the AP1 ES reference number. For more detailed information about the SES1 and the AP1 ES annotation, refer to the map series legend. Only maps which have been amended as a result of the SES1 and the AP1 ES are included within the map book.

## Map orientation

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

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

Further details on the approach to mapping is set out in Section 6 of Volume 1 of the SES1 and AP1 ES.

## Map books

In total, there are 14 map books included in the SES1 and AP1 ES Volume 2 and Volume 5. A list of the map book titles and map series is provided below for reference.

Map book title (map series)	Name
Volume 2: Map book – MA01: Hough to Walley's Green (CT-05, CT-06, CT-10, LV-01, LV-03, LV-04, SV-05)	Volume 5: Map book – Land quality (LQ-01)
Volume 2: Map book – MA02: Wimboldsley to Lostock Gralam (CT-05, CT-06, CT-10, LV-01, LV-03, LV-04, SV-05)	Volume 5: Map book – Landscape and visual (LV-00, LV-02, LV-07, LV-08, LV-17)
Volume 2: Map book – MA03: Pickmere to Agden and Hulseheath (CT-05, CT-06, CT-10, LV-01, LV-03, LV-04, SV-05)	Volume 5: Map book – Planning Data/Committed Development (CT-13)
Volume 5: Map book – Agriculture (AG-01, AG-04)	Volume 5: Map book – Socio-economics (SE-01)
Volume 5: Map book – Air quality (AQ-01)	Volume 5: Map book – Sound, noise and vibration (SV-02, SV-03, SV-08, SV-09)
Volume 5: Map book – Community (CM-01)	Volume 5: Map book – Traffic and transport (TR-03, TR-04, TR-08)
Volume 5: Map book – Ecology and biodiversity (EC-01)	Volume 5: Map book – Water resources and flood risk (WR-02)



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

### **Supplementary Environmental Statement 1 and Additional Provision 1 Environmental Statement**

Data dictionary and definitions

# Data dictionary and definitions

Legend features	Definition	Source	Copyright
Agricultural and forestry holdings assessment	Holdings assessed derived from the Farm Impact Surveys undertaken by the environmental consultants for HS2 Ltd, augmented where access was not available by published information from Defra.	High Speed Two (HS2) Ltd	© Crown copyright. Reproduced by permission of Ordnance Survey Licence Number 100049190. Year of Publication 2021.
Agricultural and forestry holdings label	Name of the agricultural holdings assessed derived from the Farm Impact Surveys undertaken by the environmental consultants for HS2 Ltd, augmented where access was not available by published information from Defra.	High Speed Two (HS2) Ltd	
Agriculture land classification	The Agricultural Land Classification (ALC) provides a method for assessing the quality of farmland. The ALC system classifies land into five grades, with Grade 3 subdivided into Subgrades 3a and 3b. The best and most versatile land is defined as Grades 1, 2 and 3a. This is the land which is most flexible, productive and efficient in response to inputs. Predictive Agricultural Land Classification (ALC) undertaken by the environmental consultants for HS2 Ltd, based on an interpretation of existing published data, existing detailed ALC surveys obtained from Natural England and soil and ALC surveys undertaken by the environmental consultants for HS2 Ltd.	Natural England High Speed Two (HS2) Ltd	© Natural England copyright. Contains Ordnance Survey data. © Crown copyright and database right 2021.
Community area boundary	The Environmental Statement has been split into sections called Community Areas.	High Speed Two (HS2) Ltd	© Crown copyright. Reproduced by permission of Ordnance Survey Licence Number 100049190. Year of Publication 2019.
County boundary	County boundaries from Ordnance Survey boundary mapping.	Ordnance Survey	© Crown copyright. Reproduced by permission of Ordnance Survey Licence Number 100049190. Year of Publication 2021.
Depot, station, headhouse or portal building	Extends to cover operational footprint of each depot and station and the footprint of each tunnel vent shaft and headhouse at surface level. Excludes any ancillary buildings associated with these structures.	High Speed Two (HS2) Ltd	
District/Borough boundary	Ordnance Survey local authority boundary mapping.	Ordnance Survey	© Crown copyright. Reproduced by permission of Ordnance Survey Licence Number 100049190. Year of Publication 2021.

<b>Legend features</b>	<b>Definition</b>	<b>Source</b>	<b>Copyright</b>
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	
Main operational agricultural and forestry buildings	Main operational buildings derived from the Farm Impact Surveys undertaken by the environmental consultants for HS2 Ltd.	High Speed Two (HS2) Ltd	© Crown copyright. Reproduced by permission of Ordnance Survey Licence Number 100049190. Year of Publication 2021.
Main operational agricultural and forestry buildings label	Name of the main operational buildings derived from the Farm Impact Surveys undertaken by the environmental consultants for HS2 Ltd.	High Speed Two (HS2) Ltd	
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	
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 2021.

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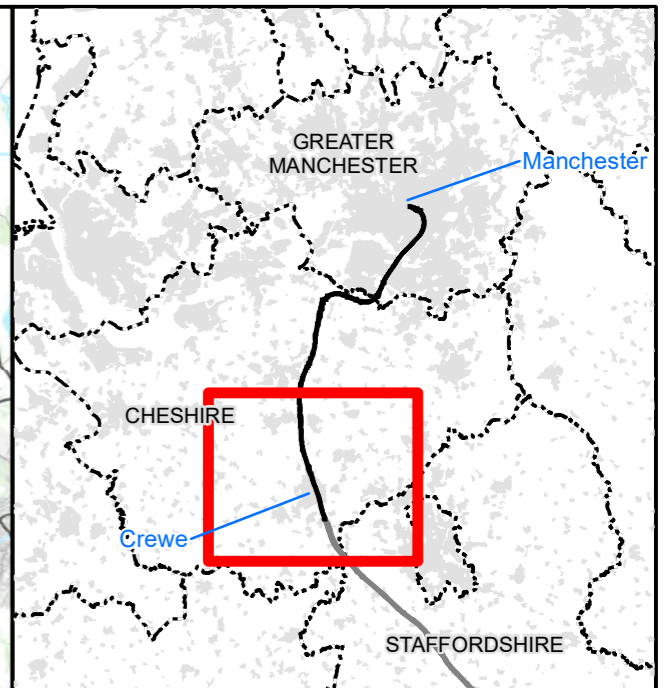
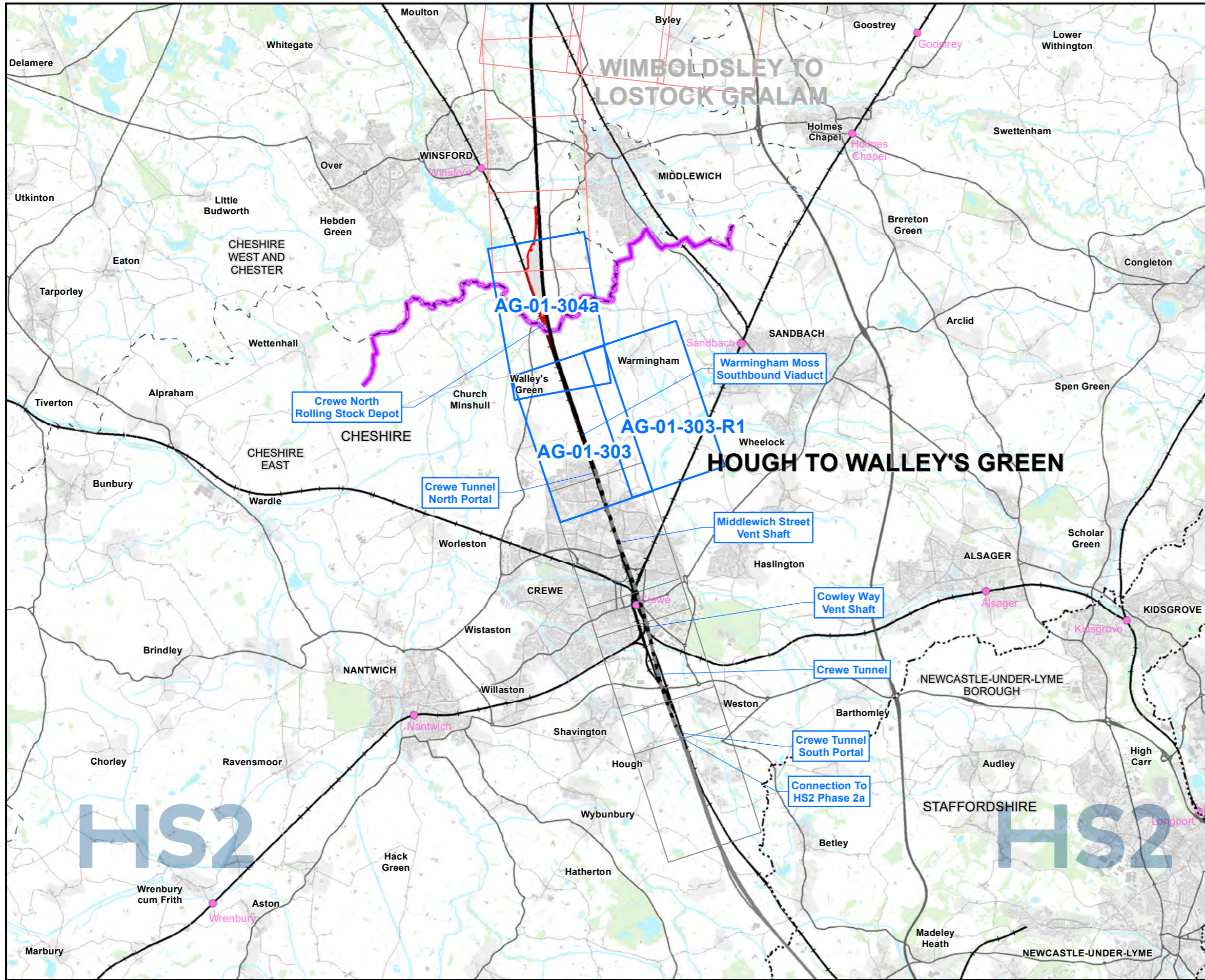
## **High Speed Rail (Crewe – Manchester)**

### **Supplementary Environmental Statement 1 and Additional Provision 1 Environmental Statement**

MA01: Hough to Walley's Green

AG-01 – Agricultural Holdings

AG-04 – Agricultural Land Quality



**Map Series Information:**

These maps show the extent of farm holdings and the location of key farm buildings.

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

Map Number	AG-01-INDEX-MA01
Map Name	Index Map of: Agricultural Holdings SES1 and AP1 ES Community Area MA01: Hough to Walley's Green

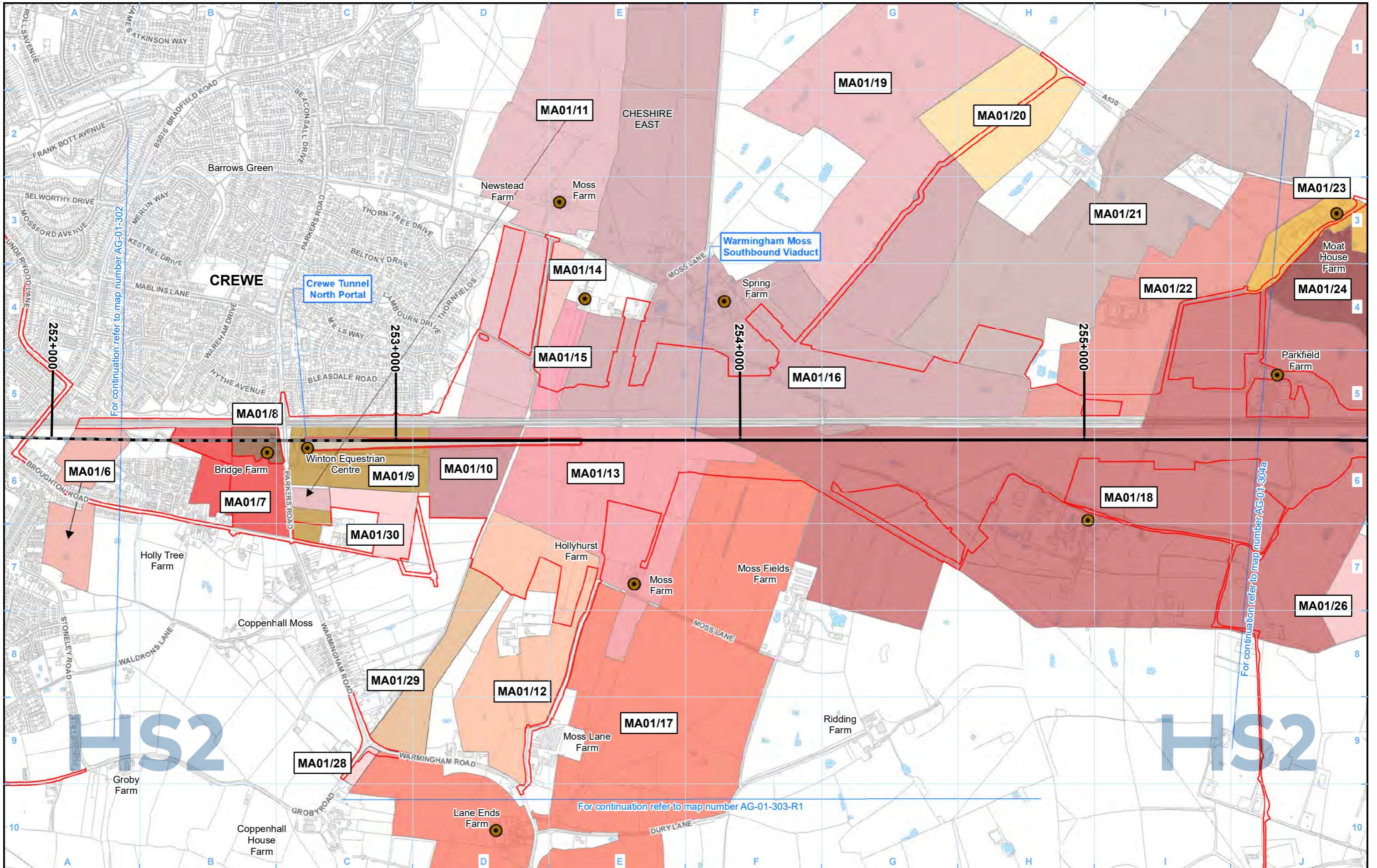
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- Legend**
- Route in tunnel
  - Route on surface
  - Depot, station, headhouse or portal building
  - Land potentially required during construction
  - Community area boundary
  - County boundary
  - District/Borough boundary
  - Watercourse
  - Water body
  - Agricultural and forestry holdings assessed
  - Main operational agricultural and forestry buildings
  - Agricultural and forestry holdings label
  - Unique identifier
  - Community area (CA) no.
  - Main operational agricultural and forestry buildings label (when not within its agricultural or forestry holding)

Map Number: AG-01-303

Map Name: Agricultural Holdings SES1 and AP1 ES

Community Area MA01: Hough to Walley's Green

For continuation refer to map number AG-01-303-R1

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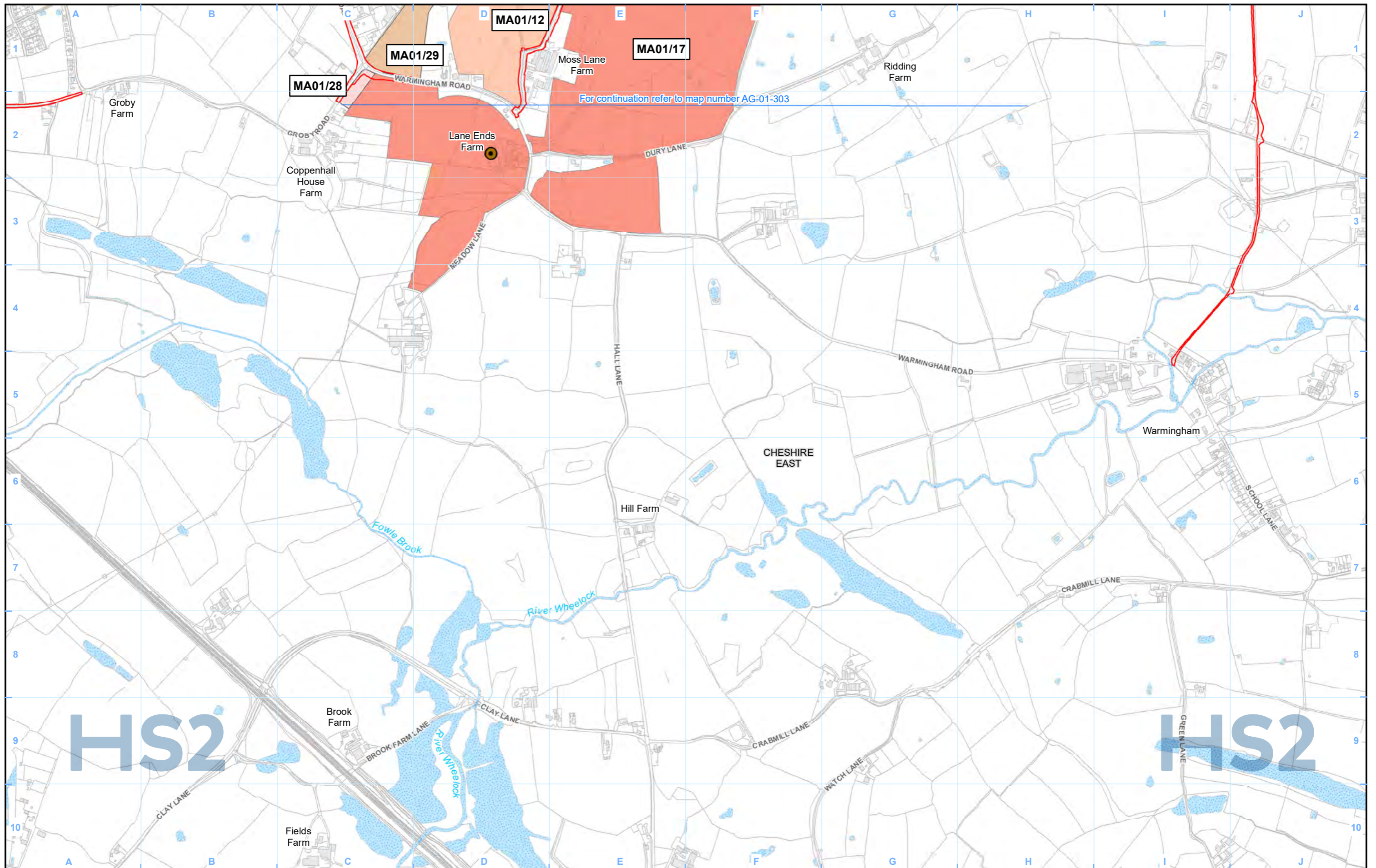
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For continuation refer to map number AG-01-303

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**Legend**

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Land potentially required during construction
- Community area boundary
- County boundary
- District/Borough boundary
- Watercourse
- Water body
- Agricultural and forestry holdings assessed
- Main operational agricultural and forestry buildings
- Agricultural and forestry holdings label LA01/01 — Unique identifier
- Community area (CA) no. MA01/01
- Main operational agricultural and forestry buildings label (when not within its agricultural or forestry holding)

Map Number: AG-01-303-R1

Map Name: Agricultural Holdings SES1 and AP1 ES

Community Area MA01: Hough to Walley's Green

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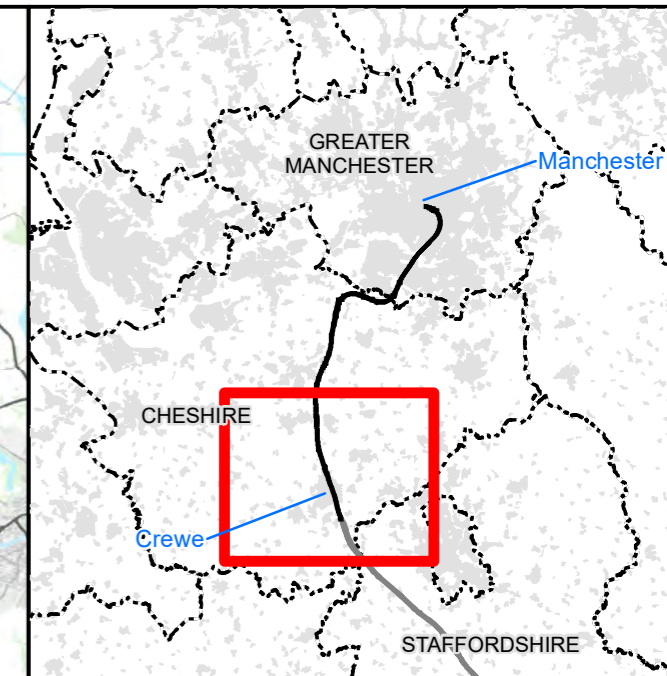
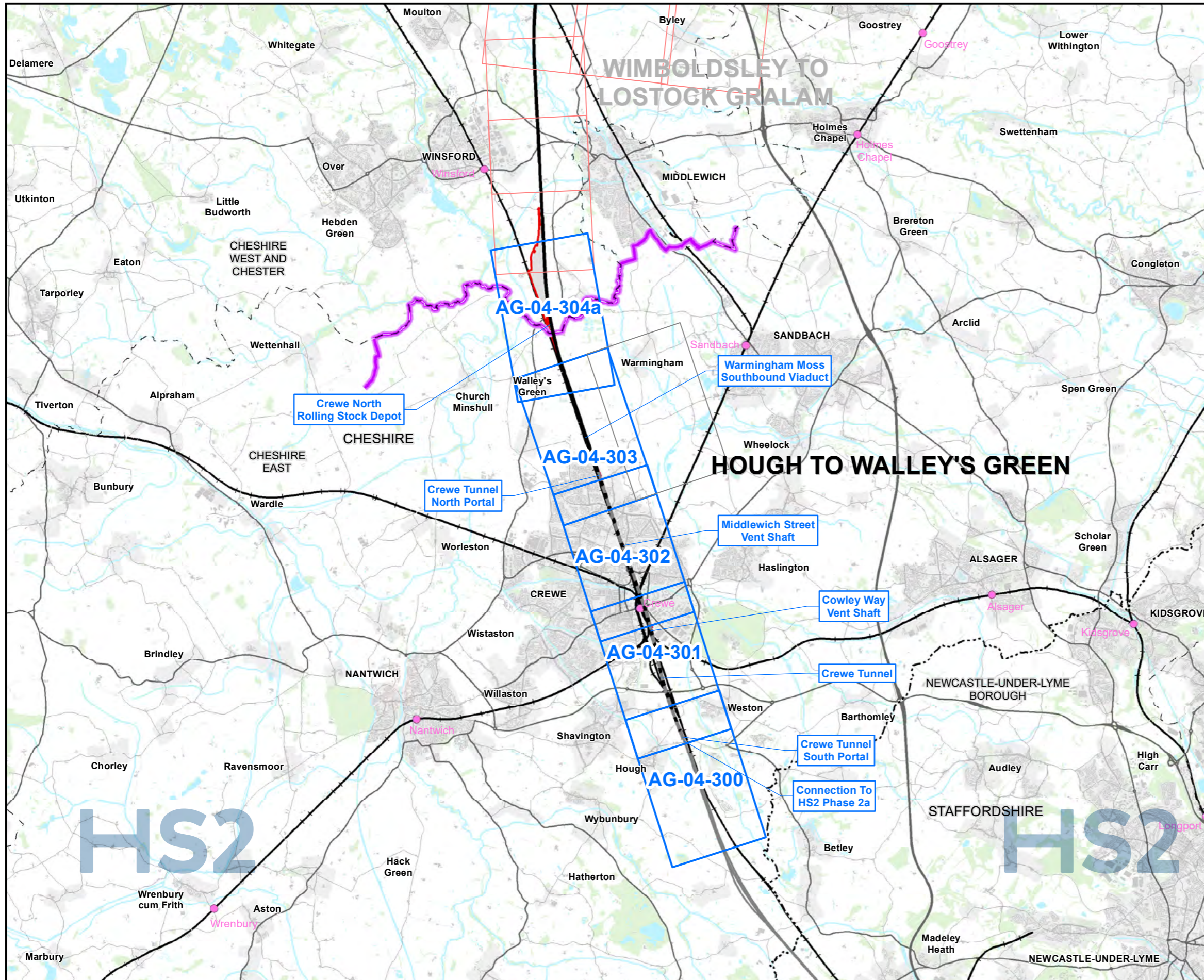
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**Map Series Information:**

These maps show the distribution of agricultural land quality within the construction boundary.

Farm names have been provided by Ordnance Survey MasterMap, **APRIL 2021**. In some cases farm names have been amended or added to reflect the name used by the current owner or occupier; these are represented in brown text.


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

Map Number	AG-04-INDEX-MA01
Map Name	Index Map of: Agricultural Land Quality SES1 and AP1 ES
	Community Area MA01: Hough to Walley's Green

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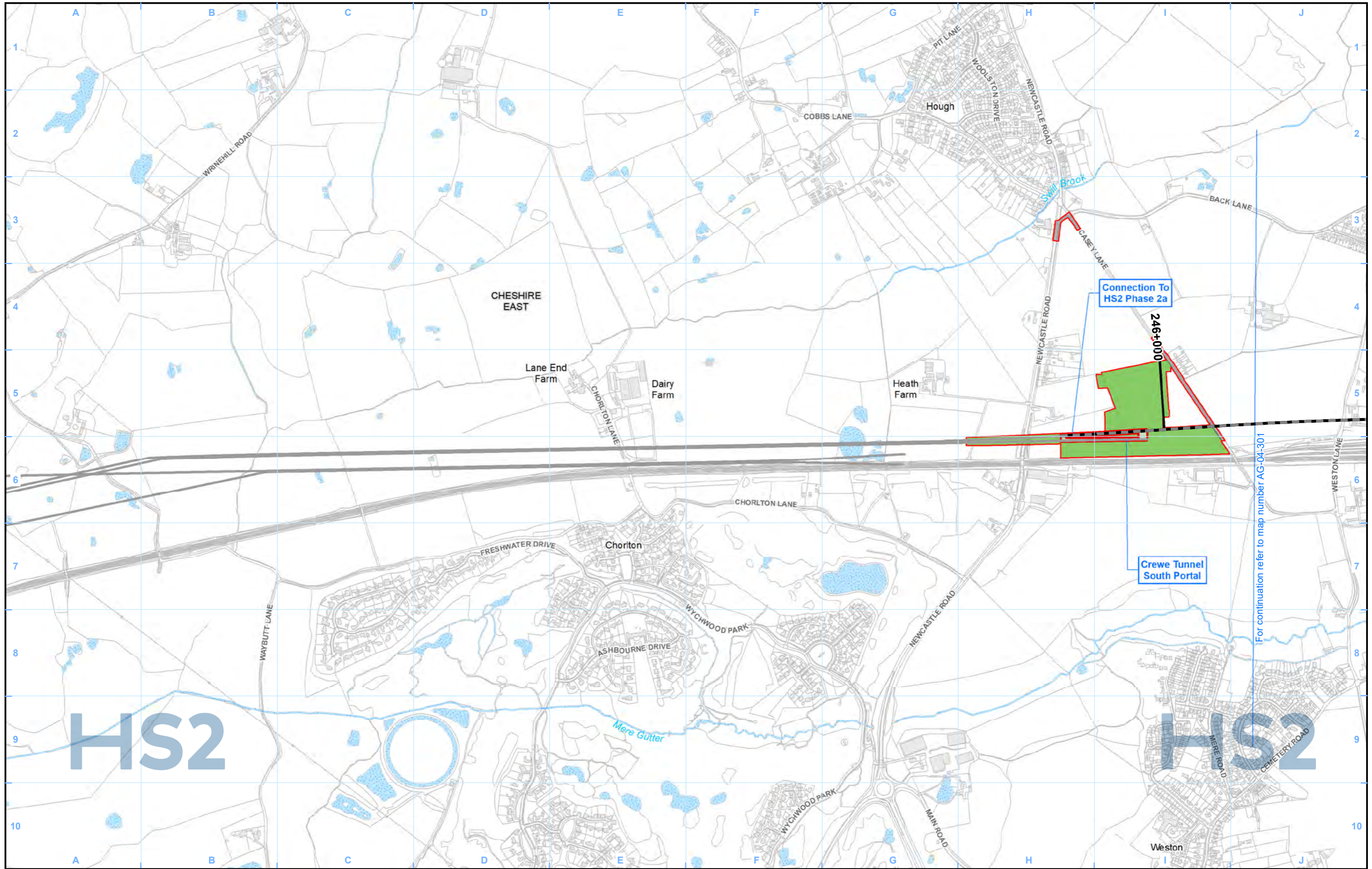
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**Legend**

Route in tunnel	Watercourse	Grade 1 - excellent	Grade 3b - moderate
Route on surface	Water body	Grade 2 - very good	Grade 4 - poor
Depot, station, headhouse or portal building		Grade 3a - good	Grade 5 - very poor
Land potentially required during construction		Other land	
Community area boundary			
County boundary			
District/Borough boundary			

Map Number	AG-04-300
Map Name	Agricultural Land Quality SES1 and AP1 ES
	Community Area MA01: Hough to Walley's Green

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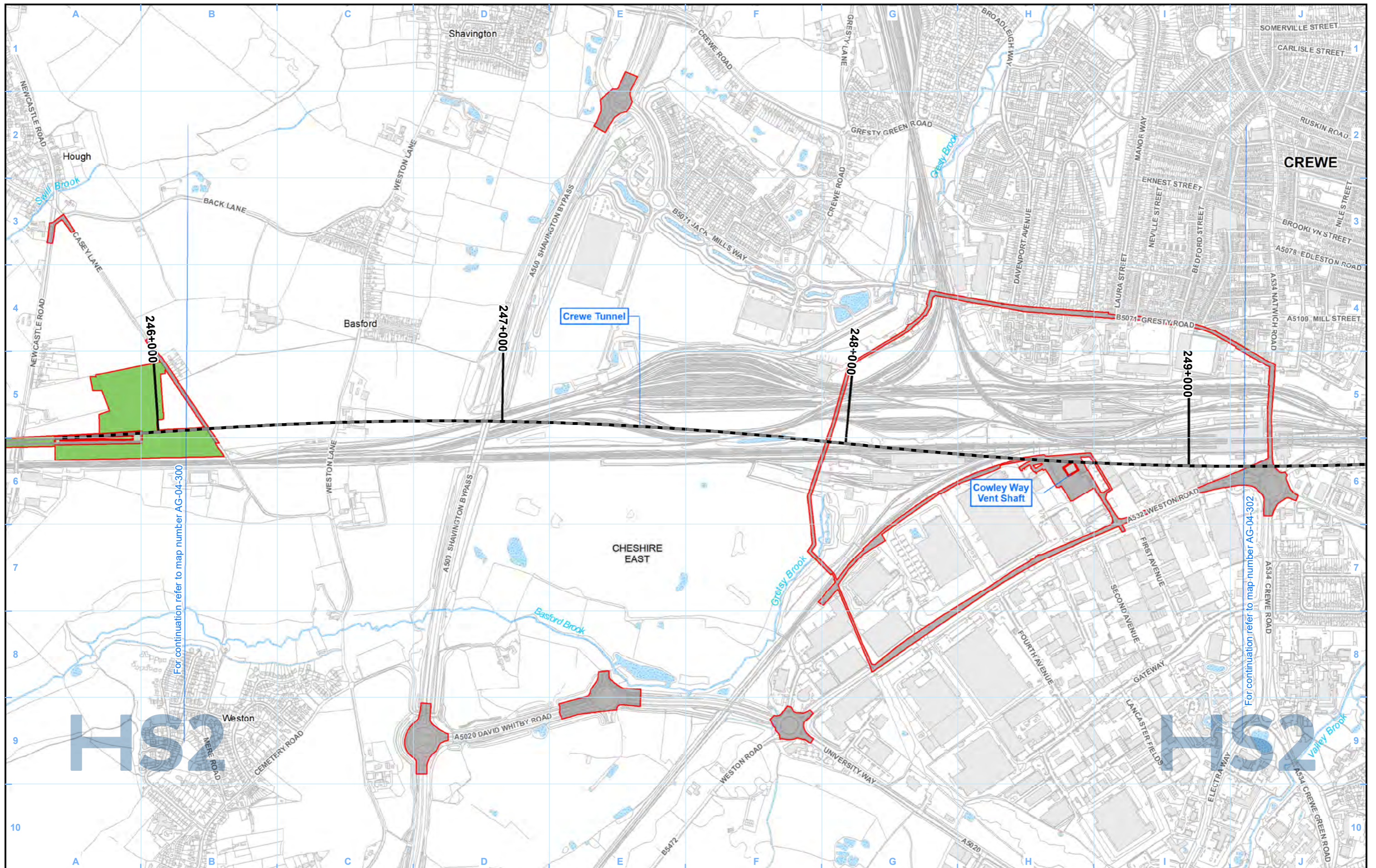
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For continuation refer to map number AG-04-301



**Legend**

Route in tunnel	Watercourse	Agricultural Land Classification	Grade 3b - moderate
Route on surface	Water body	Grade 1 - excellent	Grade 4 - poor
Depot, station, headhouse or portal building		Grade 2 - very good	Grade 5 - very poor
Land potentially required during construction		Grade 3a - good	Other land
Community area boundary			
County boundary			
District/Borough boundary			

Map Number	AG-04-301
Map Name	Agricultural Land Quality SES1 and AP1 ES
Community Area MA01: Hough to Walley's Green	

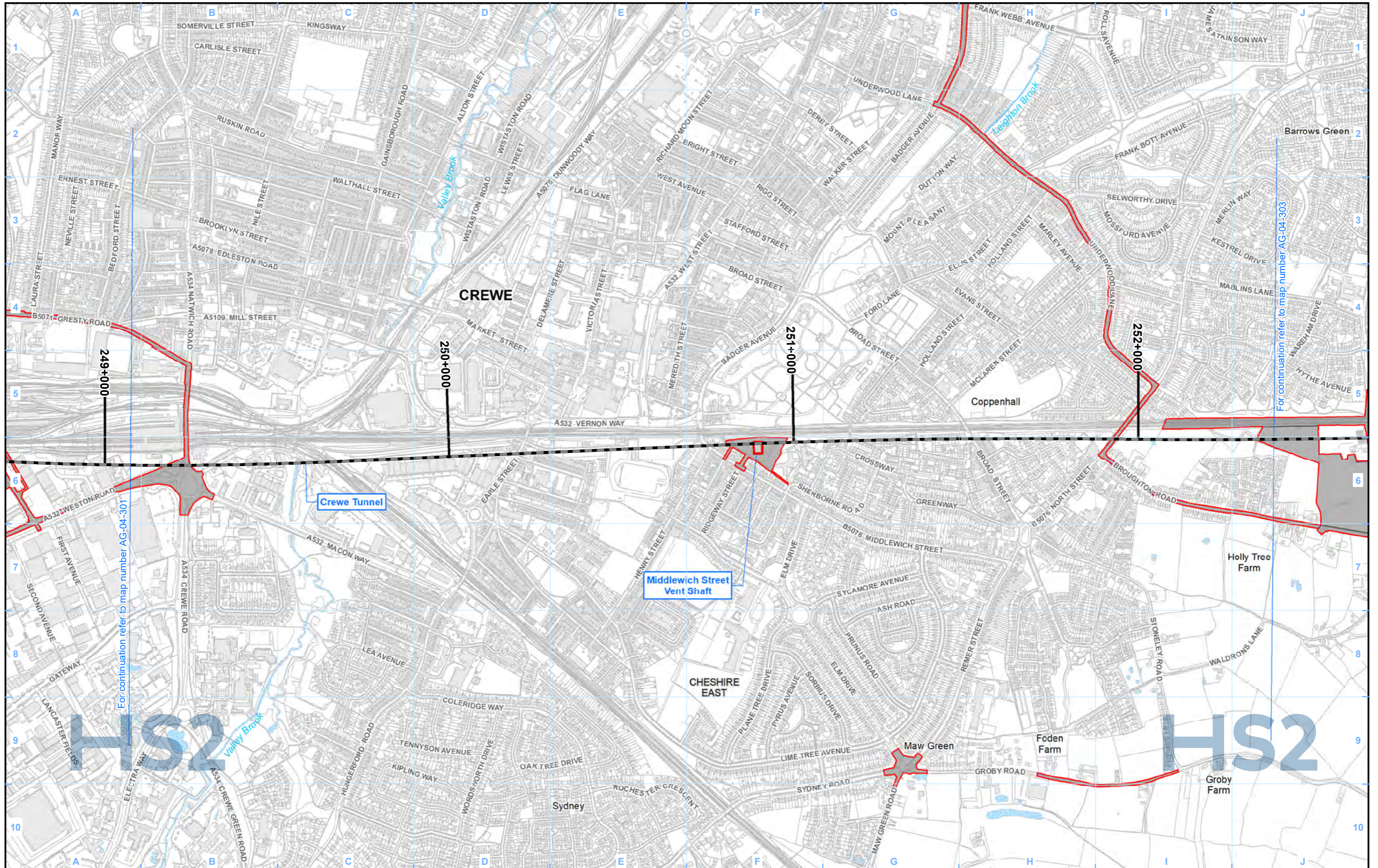
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For continuation refer to map number AG-04-301

For continuation refer to map number AG-04-303

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

Agricultural Land Classification	
	Grade 1 - excellent
	Grade 2 - very good
	Grade 3a - good
	Grade 3b - moderate
	Grade 4 - poor
	Grade 5 - very poor
	Other land

Map Number	AG-04-302
Map Name	Agricultural Land Quality SES1 and AP1 ES
Community Area MA01: Hough to Walley's Green	

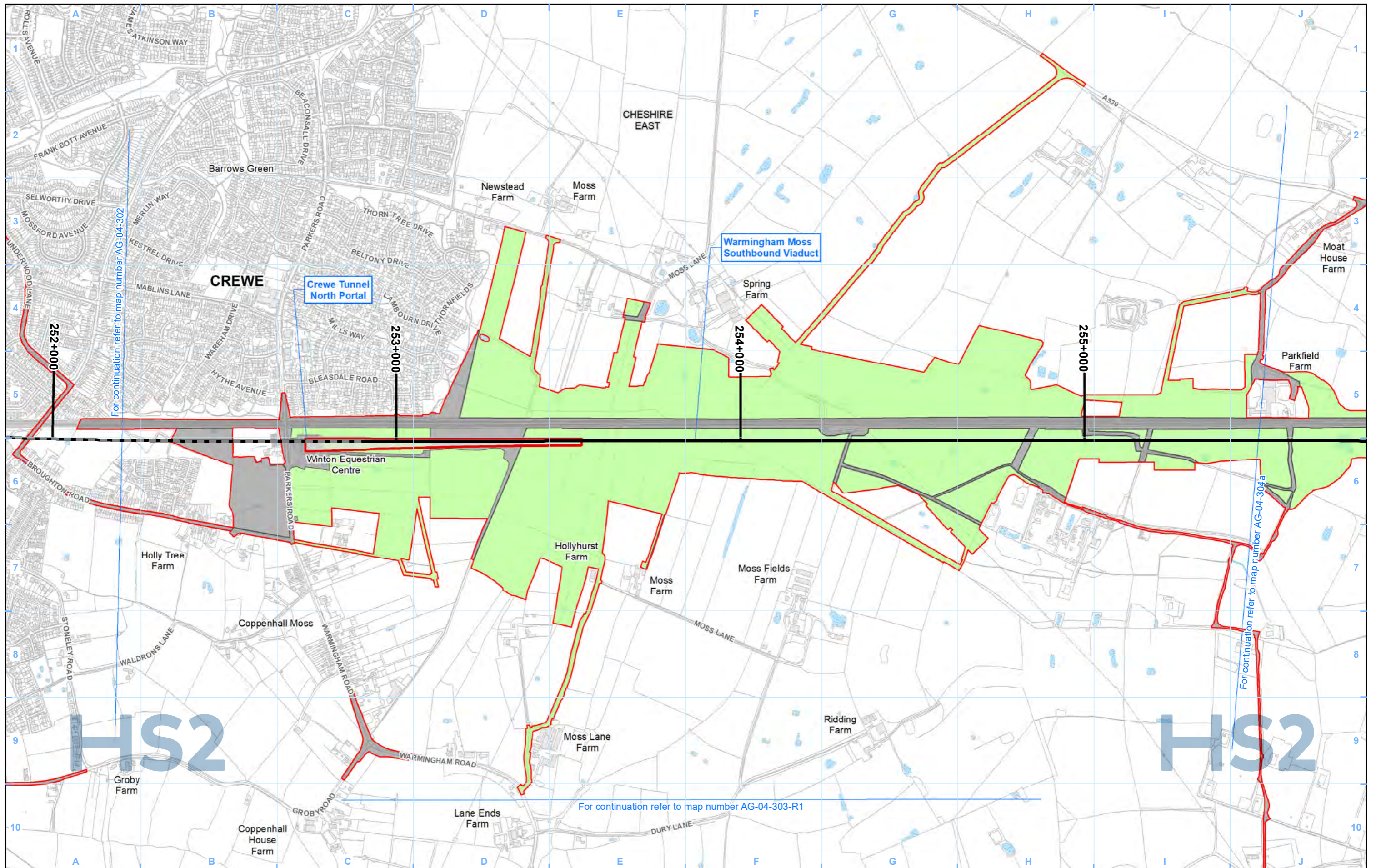
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**Legend**

Route in tunnel	Watercourse	<b>Agricultural Land Classification</b>	Grade 3b - moderate
Route on surface	Water body	Grade 1 - excellent	Grade 4 - poor
Depot, station, headhouse or portal building		Grade 2 - very good	Grade 5 - very poor
Land potentially required during construction		Grade 3a - good	Other land
Community area boundary			
County boundary			
District/Borough boundary			

Map Number: AG-04-303

Map Name: Agricultural Land Quality SES1 and AP1 ES

Community Area MA01: Hough to Walley's Green

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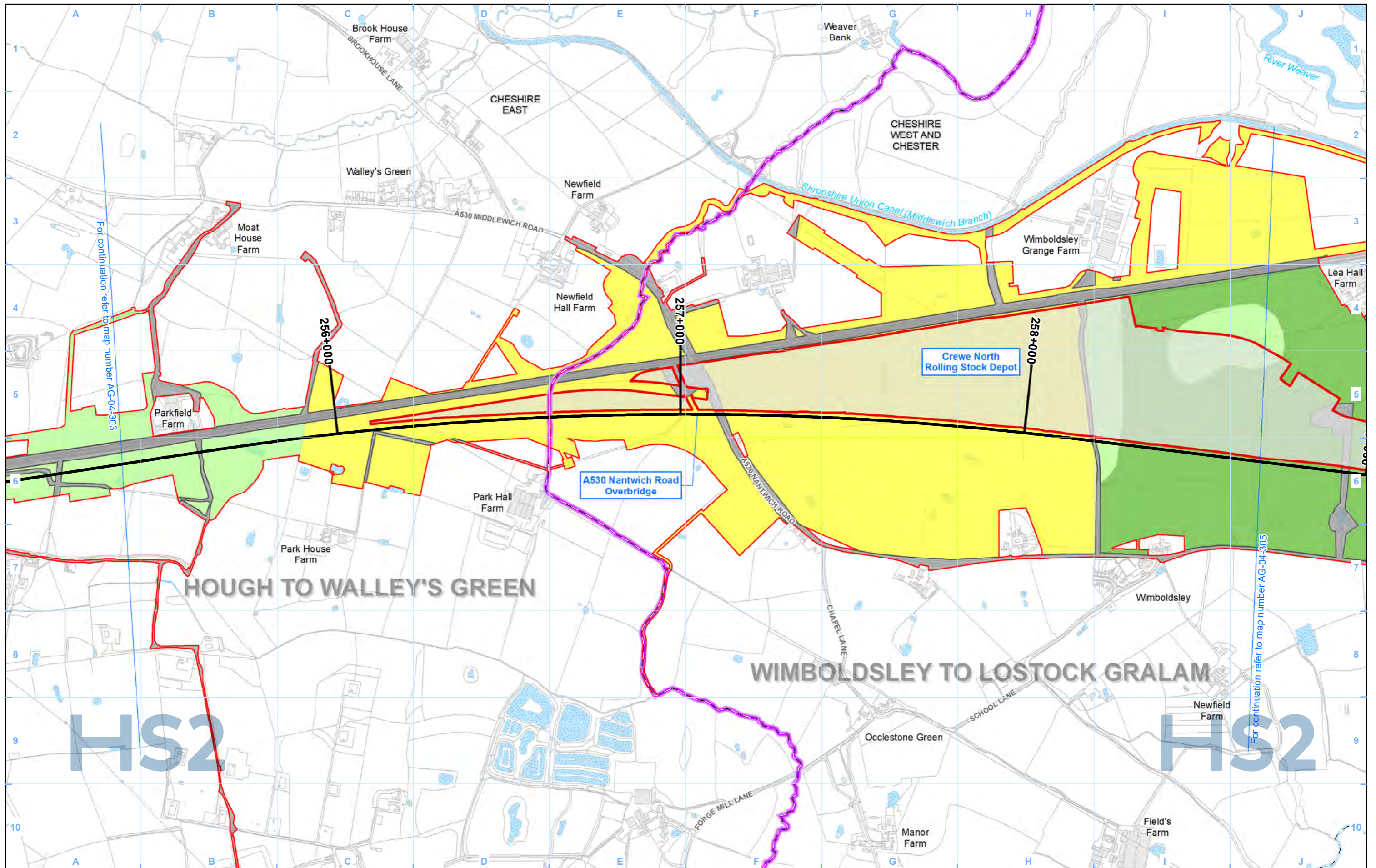
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**Legend**

Route in tunnel	Watercourse	Grade 1 - excellent	Grade 3b - moderate
Route on surface	Water body	Grade 2 - very good	Grade 4 - poor
Depot, station, headhouse or portal building		Grade 3a - good	Grade 5 - very poor
Land potentially required during construction		Other land	
Community area boundary			
County boundary			
District/Borough boundary			

Map Number	AG-04-304a
Map Name	Agricultural Land Quality SES1 and AP1 ES
Community Area MA01: Hough to Walley's Green	

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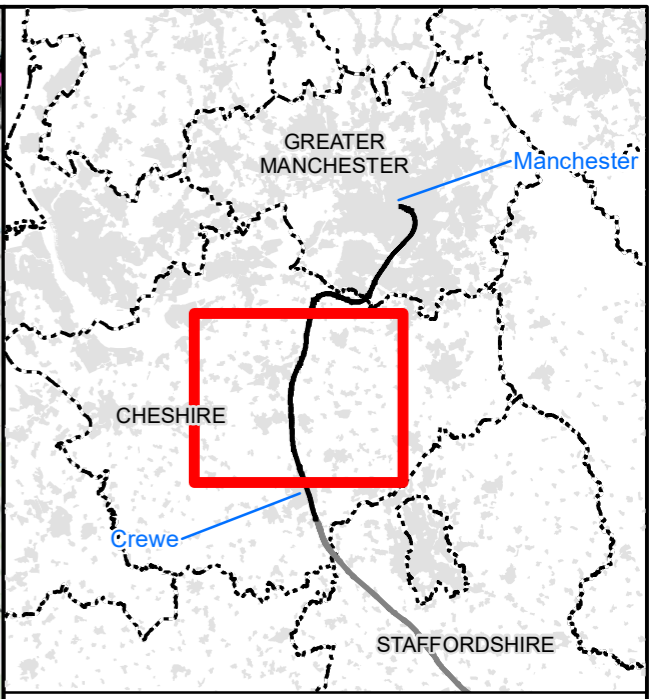
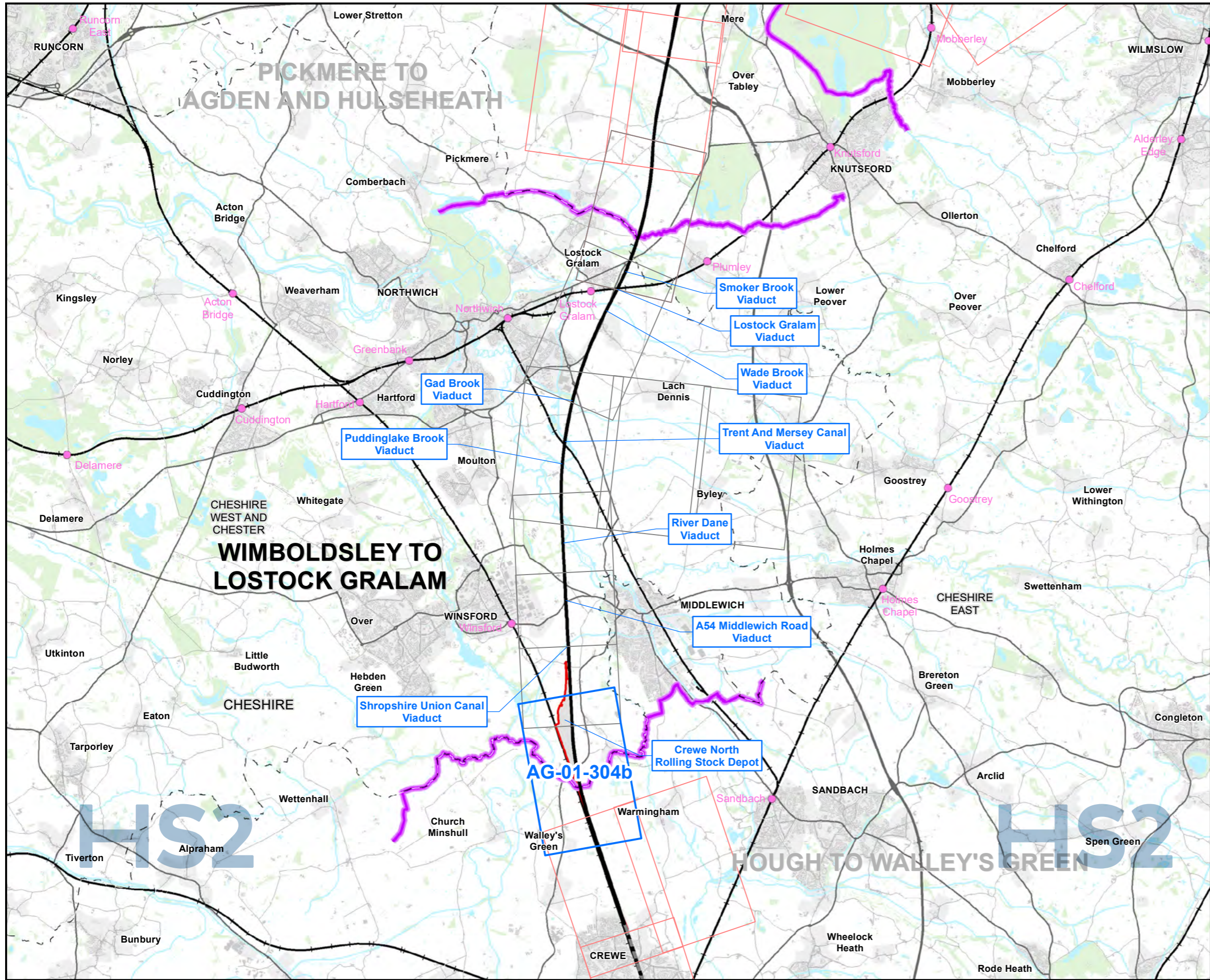
## **High Speed Rail (Crewe – Manchester)**

### **Supplementary Environmental Statement 1 and Additional Provision 1 Environmental Statement**

MA02: Wimboldsley to Lostock Gralam

AG-01 – Agricultural Holdings

AG-04 – Agricultural Land Quality



**Map Series Information:**

These maps show the extent of farm holdings and the location of key farm buildings.

**Main Map Legend**

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

Map Number	AG-01-INDEX-MA02
Map Name	Index Map of: Agricultural Holdings SES1 and AP1 ES Community Area MA02: Wimboldsley to Lostock Gralam

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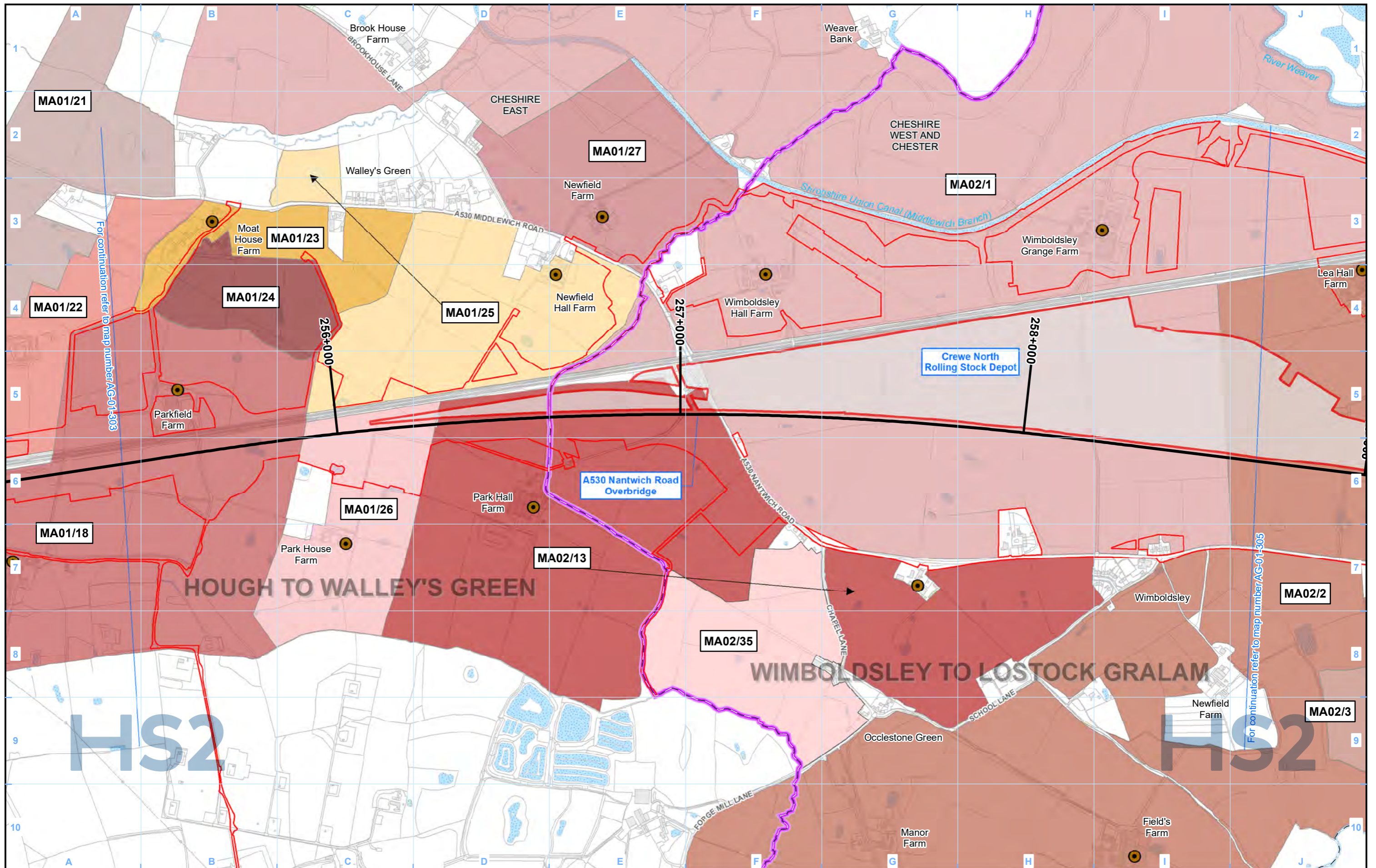
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Note: Not all data layers in the legend are represented on every map.



**Legend**

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Land potentially required during construction
- Community area boundary
- County boundary
- District/Borough boundary
- Watercourse
- Water body
- Agricultural and forestry holdings assessed
- Main operational agricultural and forestry buildings
- Agricultural and forestry holdings label LA01/10—Unique identifier LA01/01—Community area (CA) no.
- Main operational agricultural and forestry buildings label (when not within its agricultural or forestry holding)

Map Number: AG-01-304b

Map Name: Agricultural Holdings SES1 and AP1 ES

Community Area MA02: Wimboldsley to Lostock Gralam

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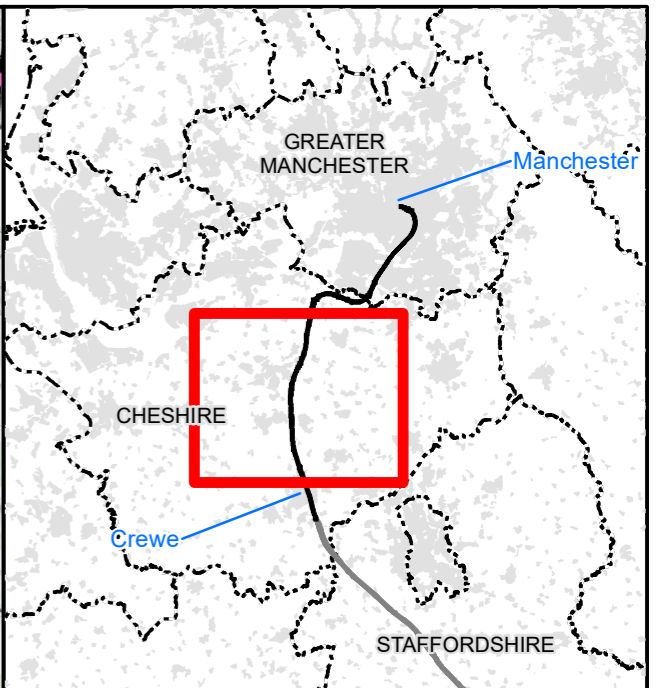
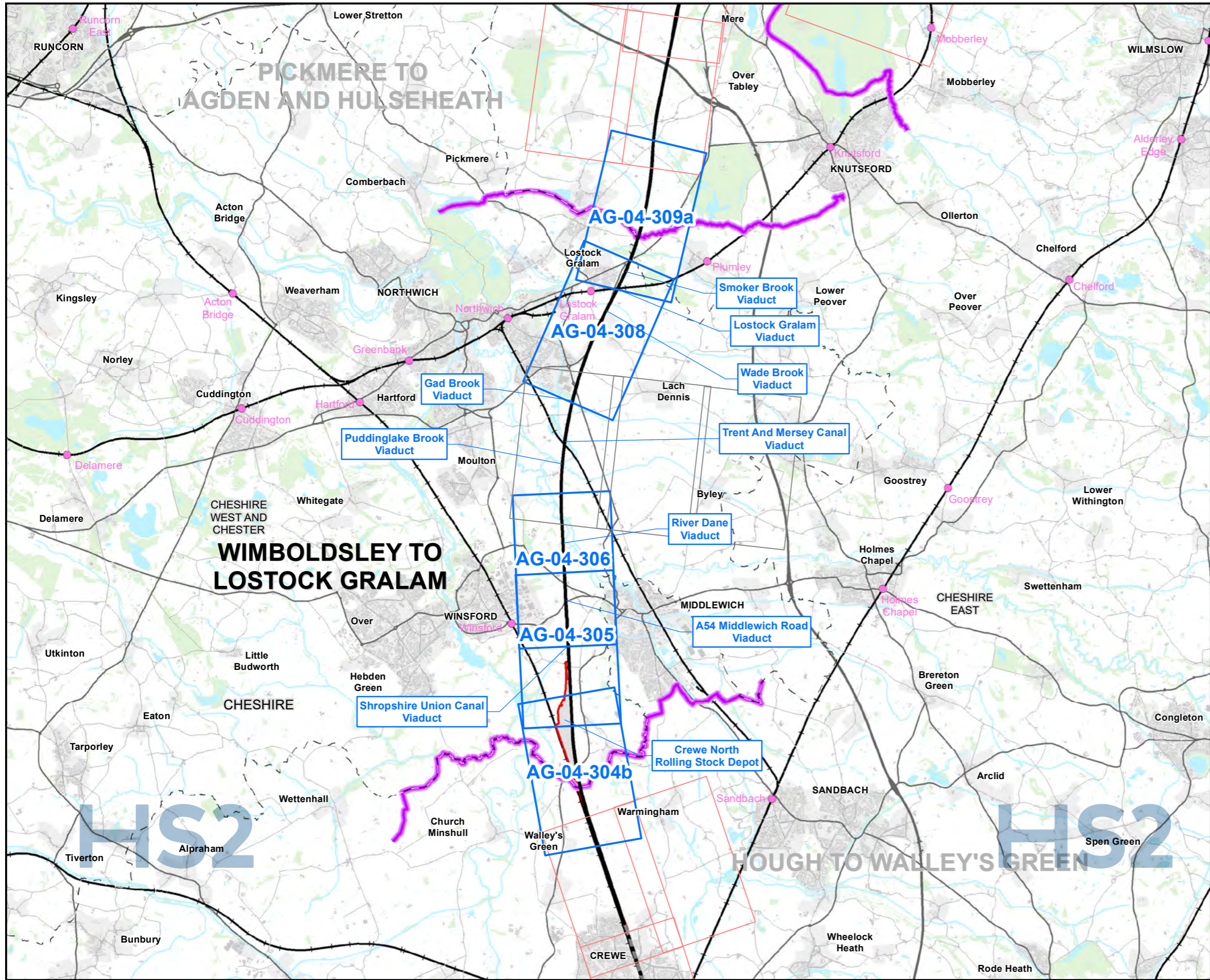
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Date: 20/04/22



### Map Series Information:

These maps show the distribution of agricultural land quality within the construction boundary.

Farm names have been provided by Ordnance Survey MasterMap, **APRIL 2021**. In some cases farm names have been amended or added to reflect the name used by the current owner or occupier; these are represented in brown text.

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

Map Number	AG-04-INDEX-MA02
Map Name	Index Map of: Agricultural Land Quality SES1 and AP1 ES
	Community Area MA02: Wimboldsley to Lostock Gralam

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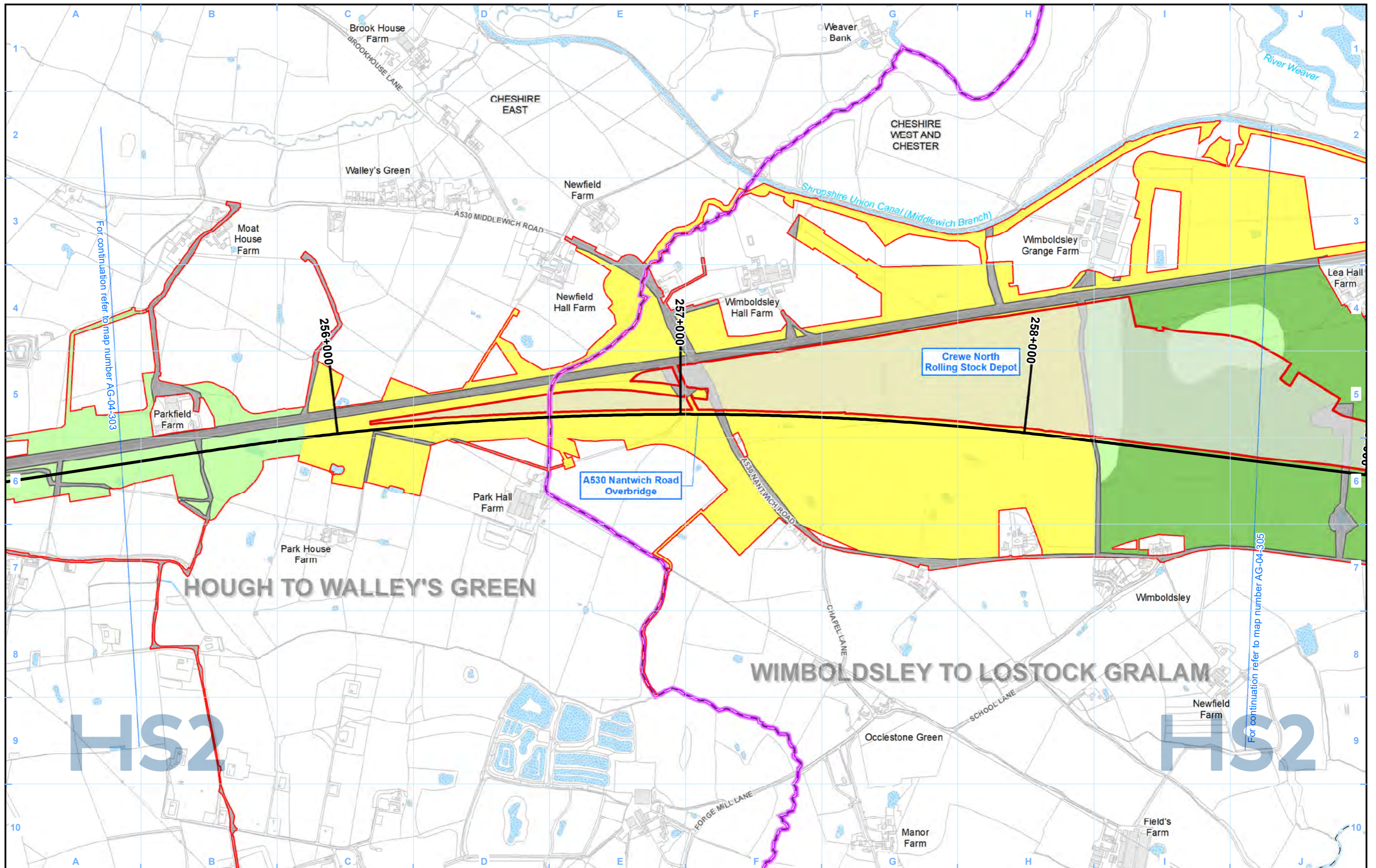
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Doc Number: 2PT24-MWJ-EV-MAP-M000-000593-P01

Date: 21/04/22

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



**Legend**

Route in tunnel	Watercourse	Agricultural Land Classification	Grade 3b - moderate
Route on surface	Water body	Grade 1 - excellent	Grade 4 - poor
Depot, station, headhouse or portal building		Grade 2 - very good	Grade 5 - very poor
Land potentially required during construction		Grade 3a - good	Other land
Community area boundary			
County boundary			
District/Borough boundary			

Map Number	AG-04-304b
Map Name	Agricultural Land Quality SES1 and AP1 ES
Community Area MA02: Wimboldsley to Lostock Gralam	

**HS2**

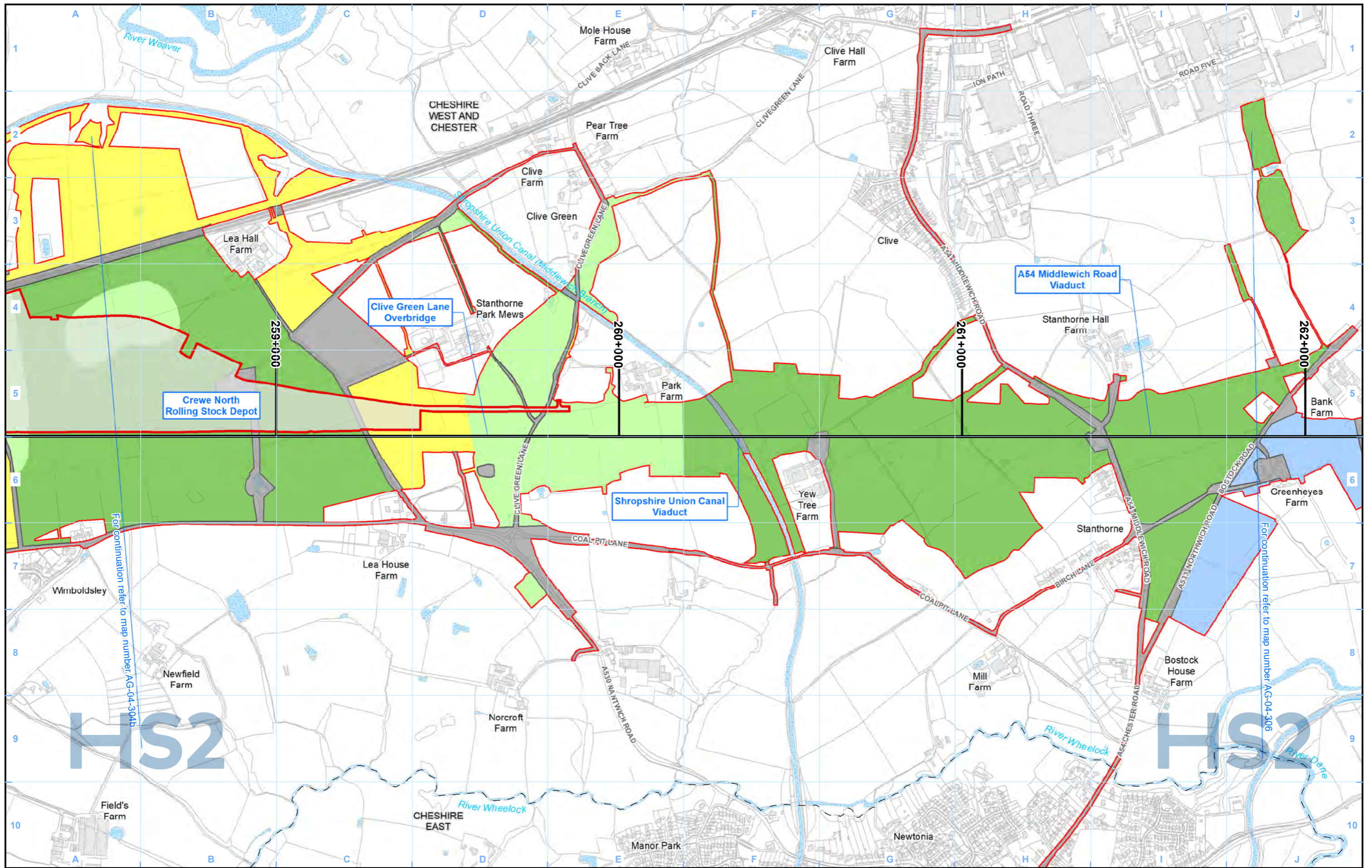
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Date: 21/04/22



**Legend**

Route in tunnel	Watercourse	Grade 1 - excellent	Grade 3b - moderate
Route on surface	Water body	Grade 2 - very good	Grade 4 - poor
Depot, station, headhouse or portal building		Grade 5 - very poor	Other land
Land potentially required during construction		Grade 3a - good	
Community area boundary			
County boundary			
District/Borough boundary			

<b>Agricultural Land Classification</b>	
Grade 1 - excellent	Grade 3b - moderate
Grade 2 - very good	Grade 4 - poor
Grade 5 - very poor	Other land
Grade 3a - good	

Map Number	AG-04-305
Map Name	Agricultural Land Quality SES1 and AP1 ES
Community Area MA02: Wimboldsley to Lostock Gttram	

**HS2**

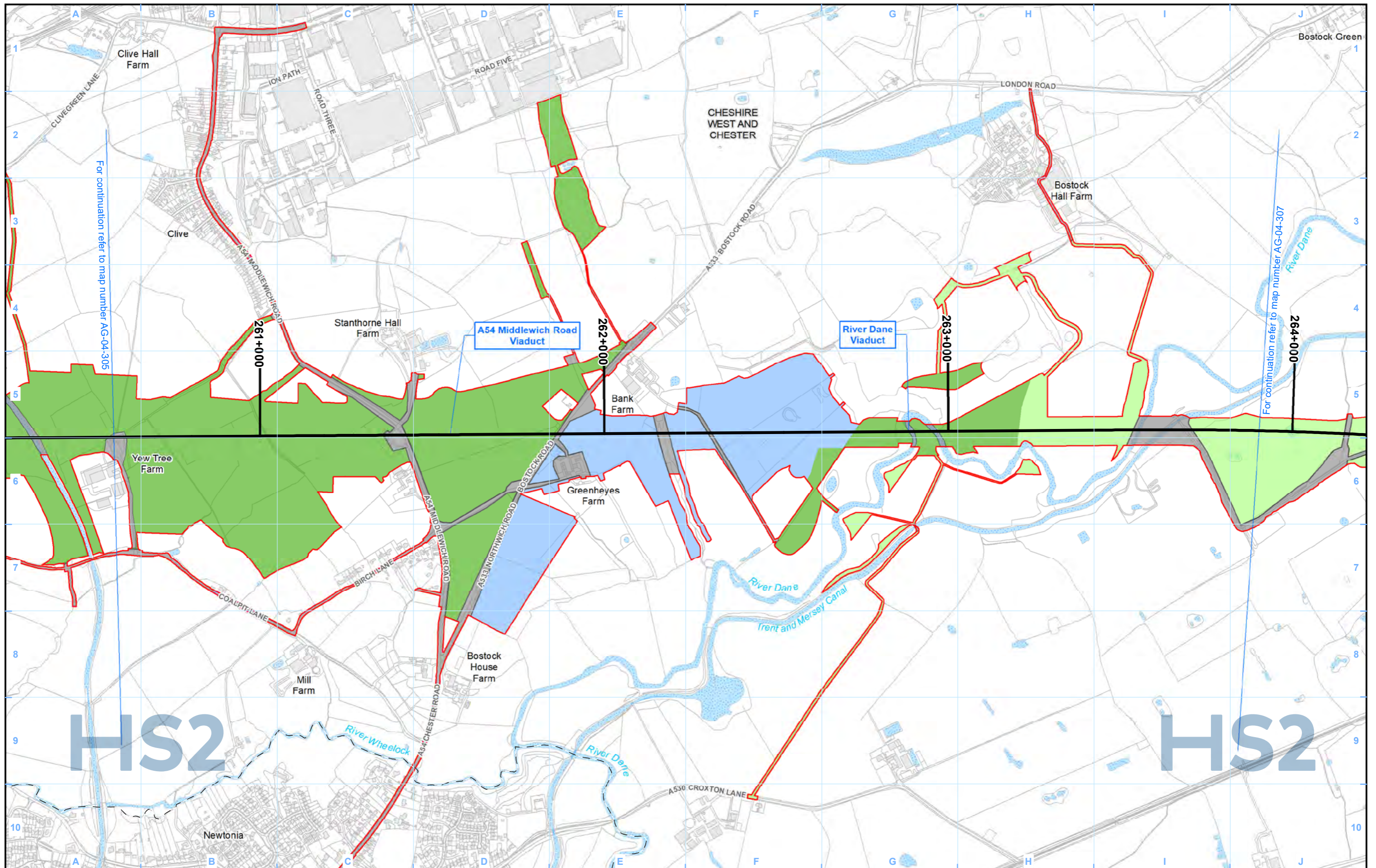
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Date: 21/04/22



- 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

- Agricultural Land Classification**
- Grade 1 - excellent
  - Grade 2 - very good
  - Grade 3a - good
  - Grade 3b - moderate
  - Grade 4 - poor
  - Grade 5 - very poor
  - Other land

Map Number: AG-04-306

Map Name: Agricultural Land Quality SES1 and AP1 ES

Community Area MA02: Wimboldsley to Lostock Grlam

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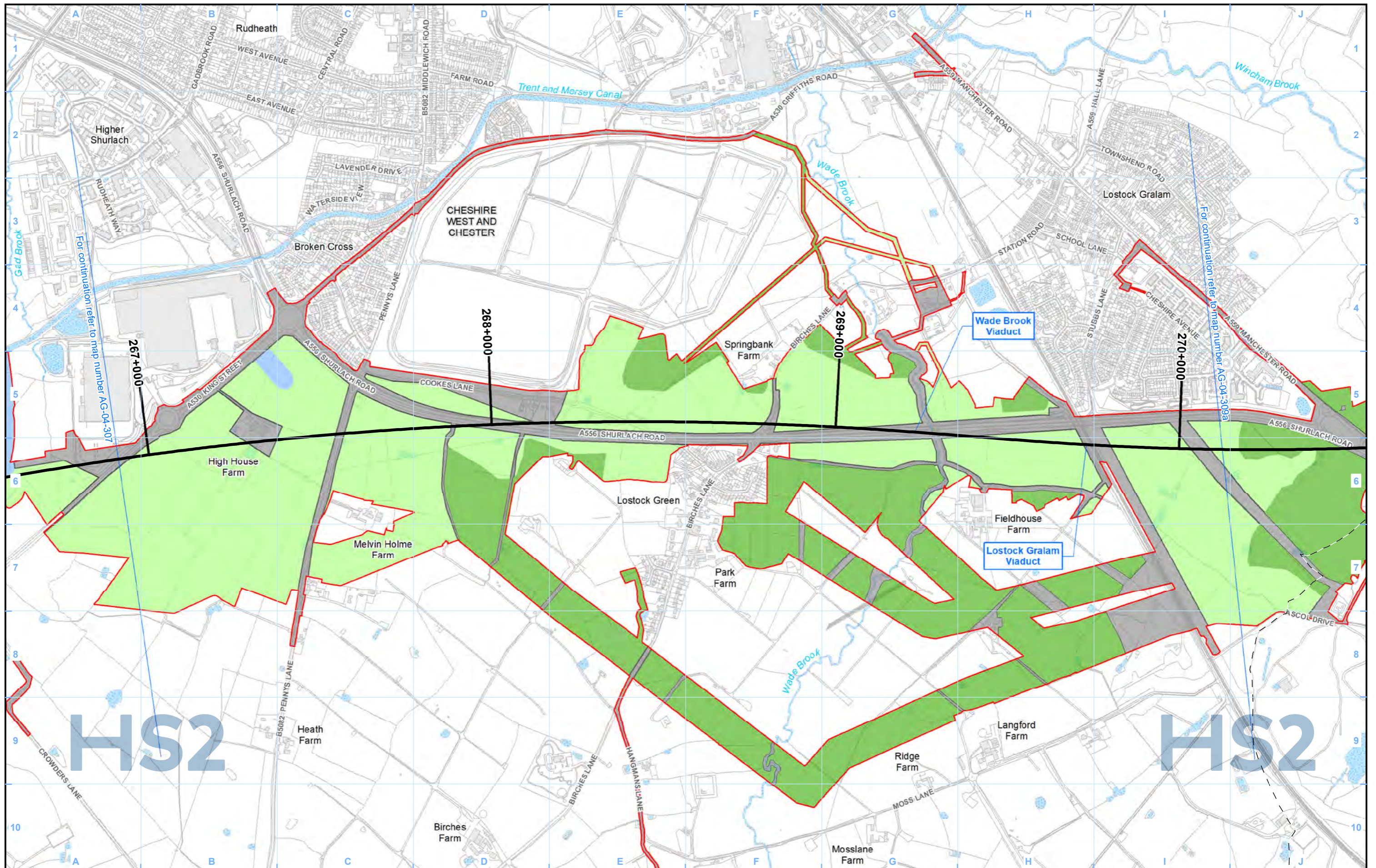
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Metres

Date: 21/04/22



**Legend**

		<b>Agricultural Land Classification</b>	

Map Number	AG-04-308
Map Name	Agricultural Land Quality SES1 and AP1 ES
Community Area MA02: Wimboldsley to Lostock Gralam	

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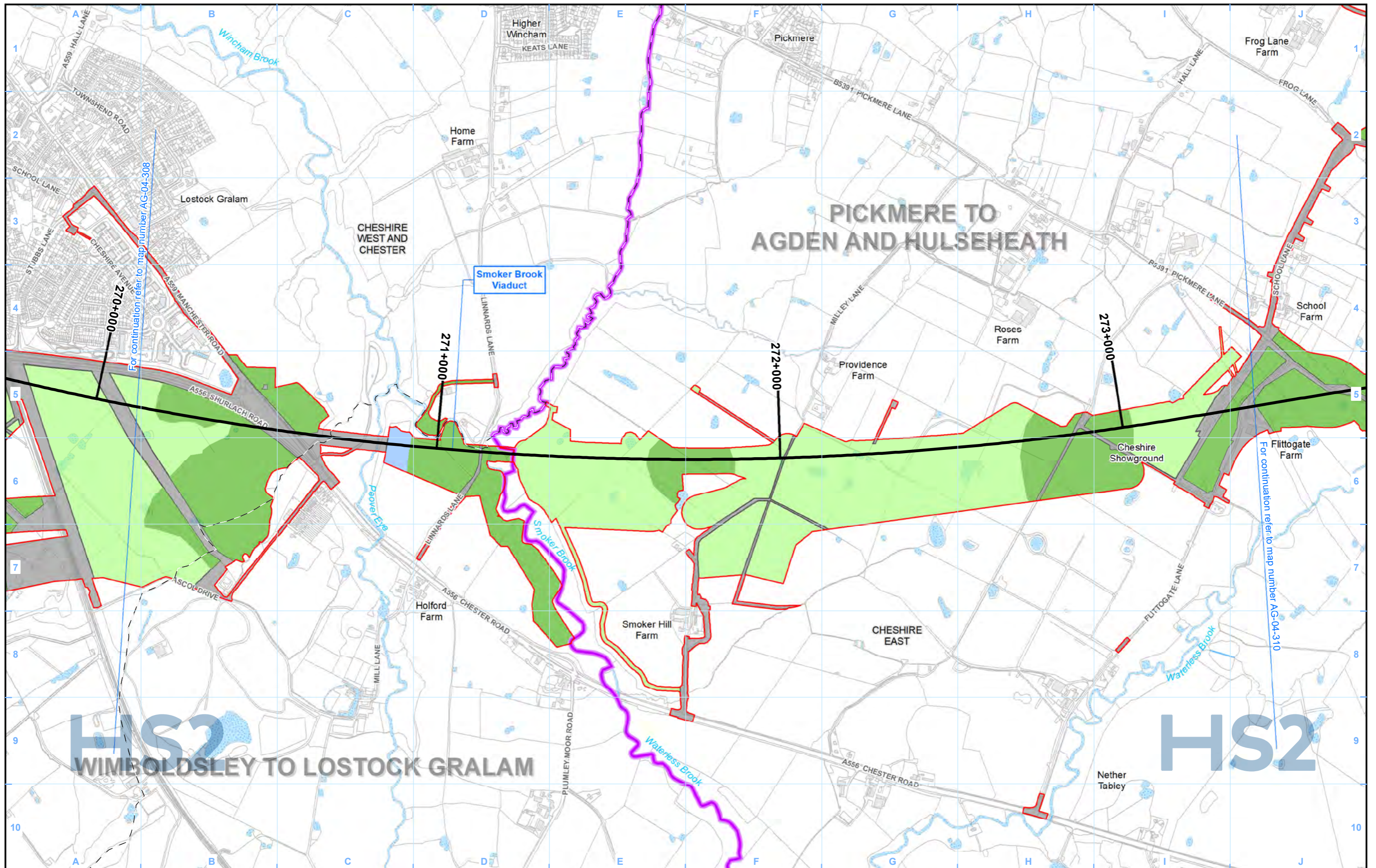
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Date: 21/04/22

For continuation refer to map number AG-04-309a

For continuation refer to map number AG-04-307





**Legend**


Map Number	AG-04-309a
Map Name	Agricultural Land Quality SES1 and AP1 ES
Community Area MA02: Wimboldsley to Lostock Gralam	

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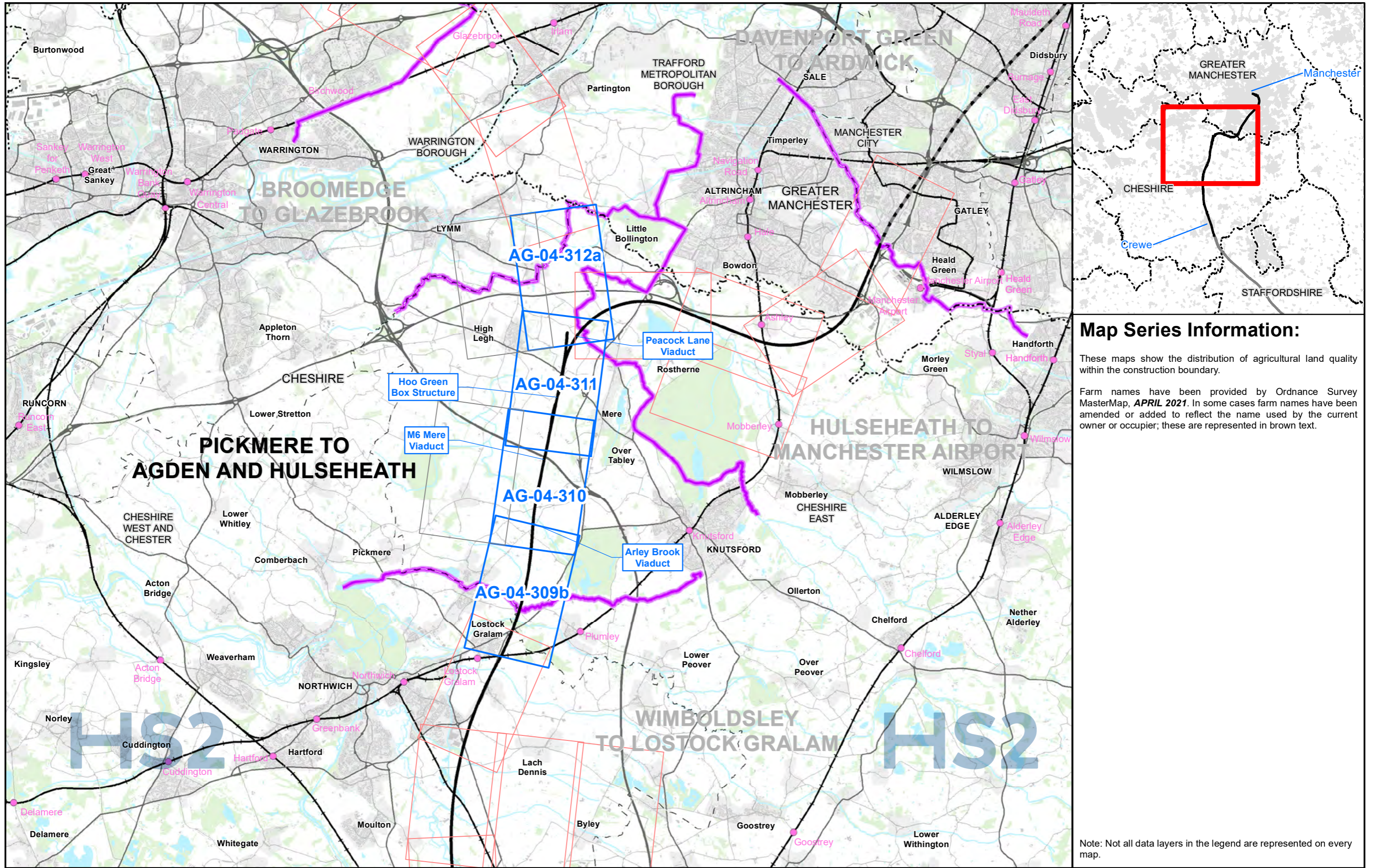
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## **High Speed Rail (Crewe – Manchester)**

### **Supplementary Environmental Statement 1 and Additional Provision 1 Environmental Statement**

MA03: Pickmere to Agden and Hulseheath  
AG-04 – Agricultural Land Quality



**Map Series Information:**

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Map Number **AG-04-INDEX-MA03**

Map Name **Index Map of:  
Agricultural Land Quality  
SES1 and AP1 ES**

**Community Area MA03:  
Pickmere to Agden and Hulseheath**

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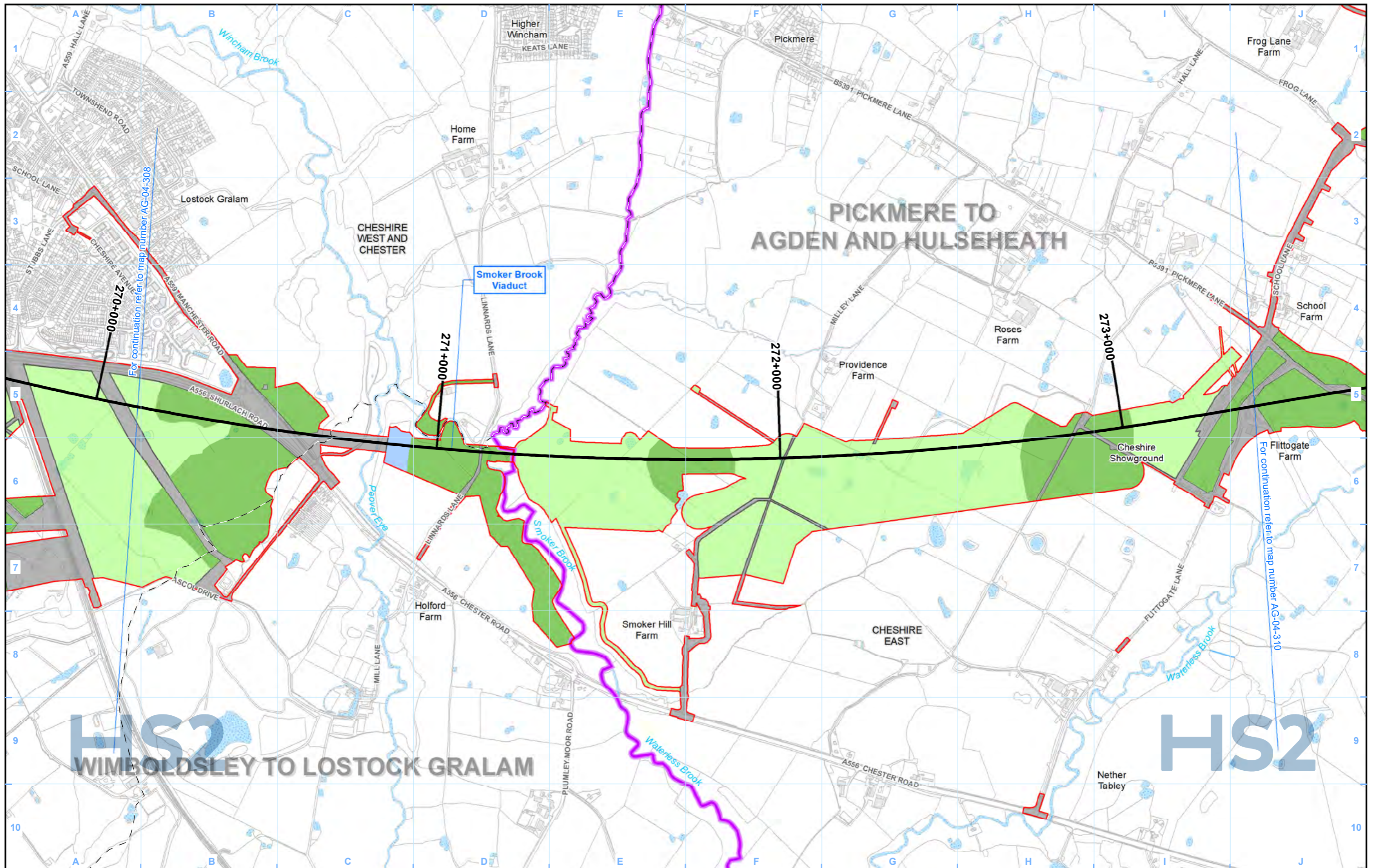
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0 1,000 2,000 3,000 4,000 Metres

Doc Number: 2PT24-MWJ-EV-MAP-M000-000594-P01 **Date: 21/04/22**



**Legend**

Route in tunnel	Watercourse	Grade 1 - excellent	Grade 3b - moderate
Route on surface	Water body	Grade 2 - very good	Grade 4 - poor
Depot, station, headhouse or portal building		Grade 3a - good	Grade 5 - very poor
Land potentially required during construction		Other land	
Community area boundary			
County boundary			
District/Borough boundary			

Map Number	AG-04-309b
Map Name	Agricultural Land Quality SES1 and AP1 ES
Community Area MA03: Pickmere to Agden and Hulseheath	

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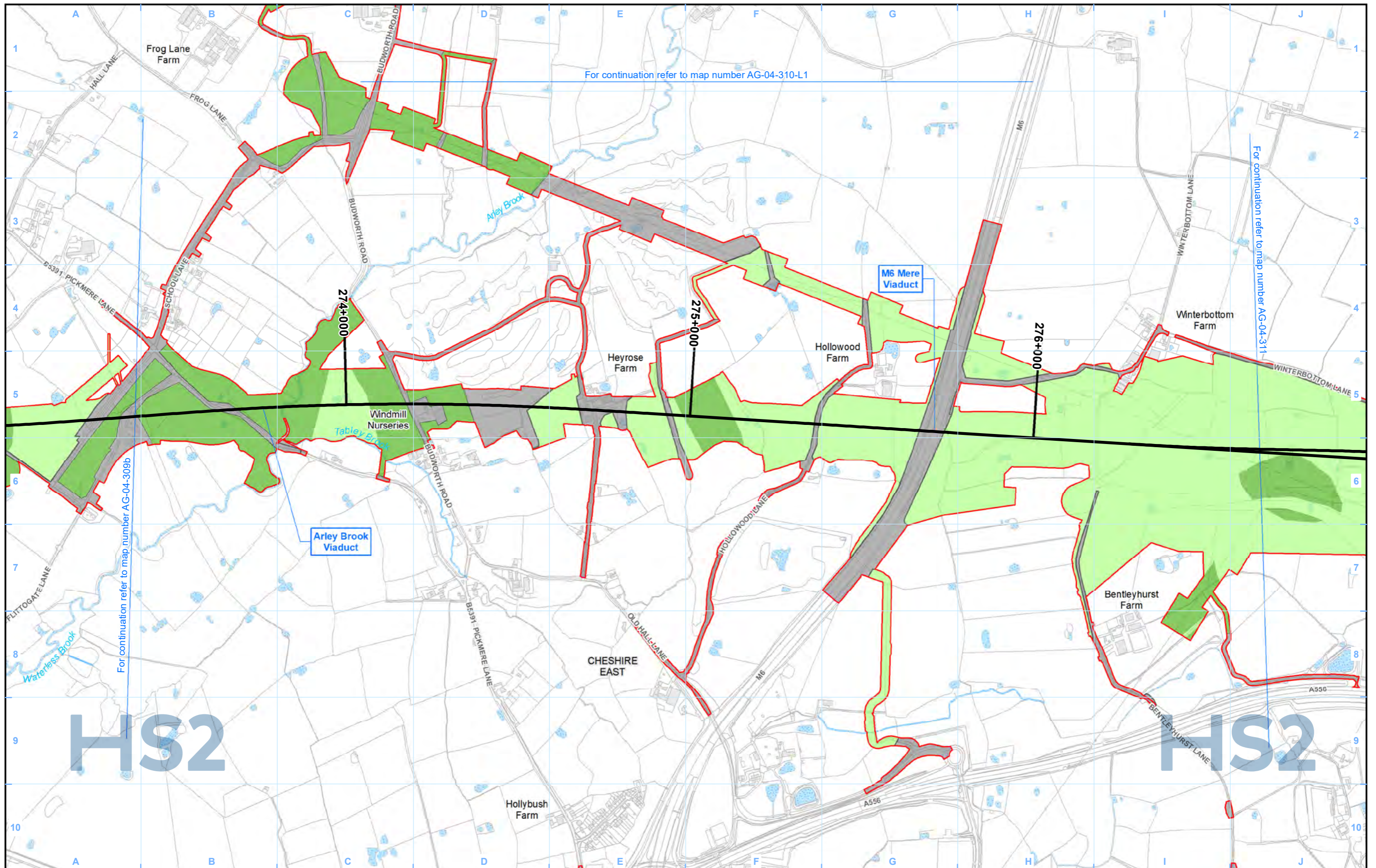
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Metres

Doc Number: 2PT24-MWJ-EV-MAP-M000-000567-P01

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For continuation refer to map number AG-04-310-L1

For continuation refer to map number AG-04-311

For continuation refer to map number AG-04-309b

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

Agricultural Land Classification	
	Grade 1 - excellent
	Grade 2 - very good
	Grade 3a - good
	Grade 3b - moderate
	Grade 4 - poor
	Grade 5 - very poor
	Other land

Map Number	AG-04-310
Map Name	Agricultural Land Quality SES1 and AP1 ES
Community Area MA03: Pickmere to Agden and Hulseheath	

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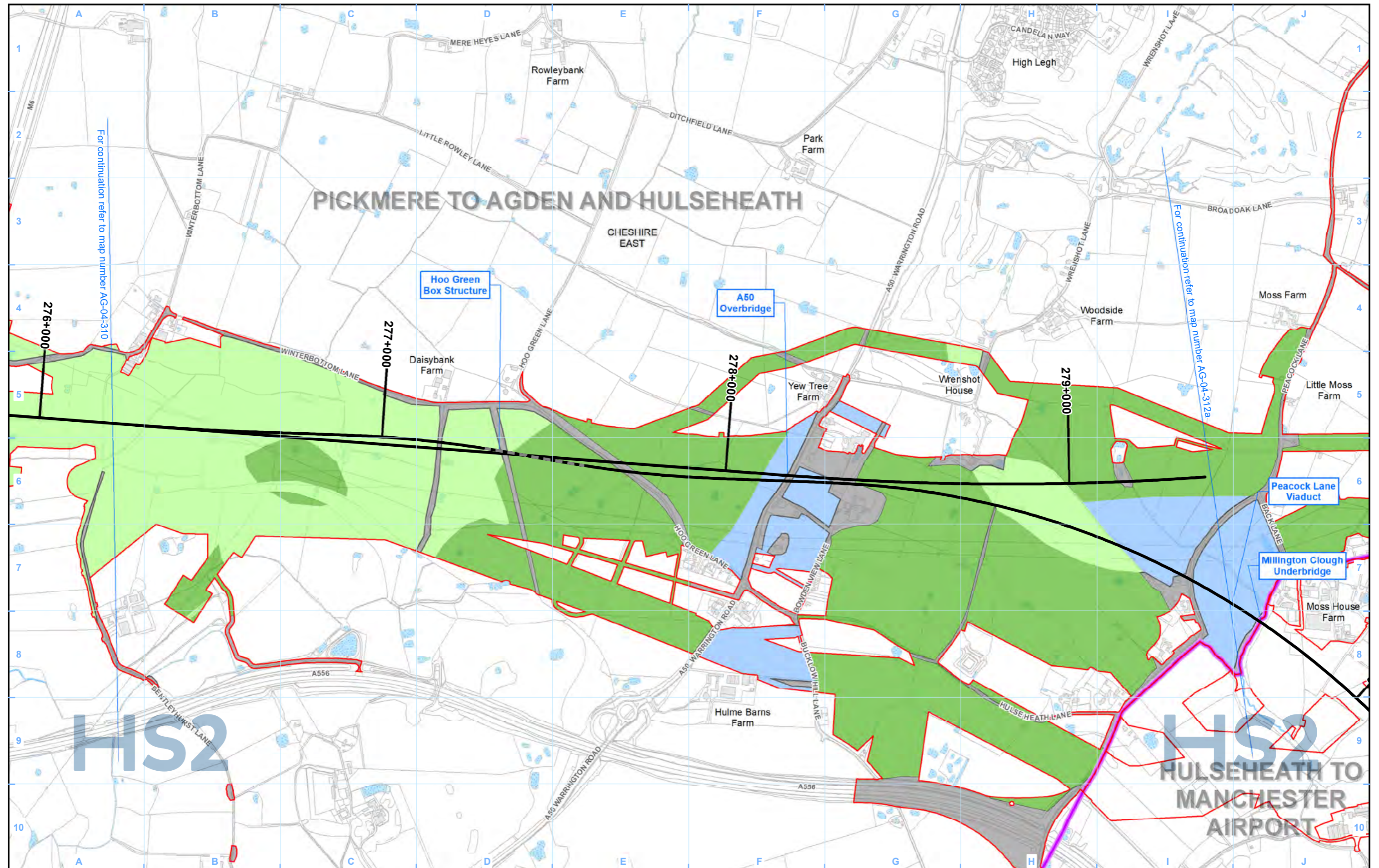
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Scale at A3: 1:10,000

Metres

Date: 21/04/22



**Legend**

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

**Agricultural Land Classification**

Grade 1 - excellent	Grade 3b - moderate
Grade 2 - very good	Grade 4 - poor
Grade 3a - good	Grade 5 - very poor
Other land	

Map Number	AG-04-311
Map Name	Agricultural Land Quality SES1 and AP1 ES
Community Area MA03: Pickmere to Agden and Hulseheath	

**HS2**

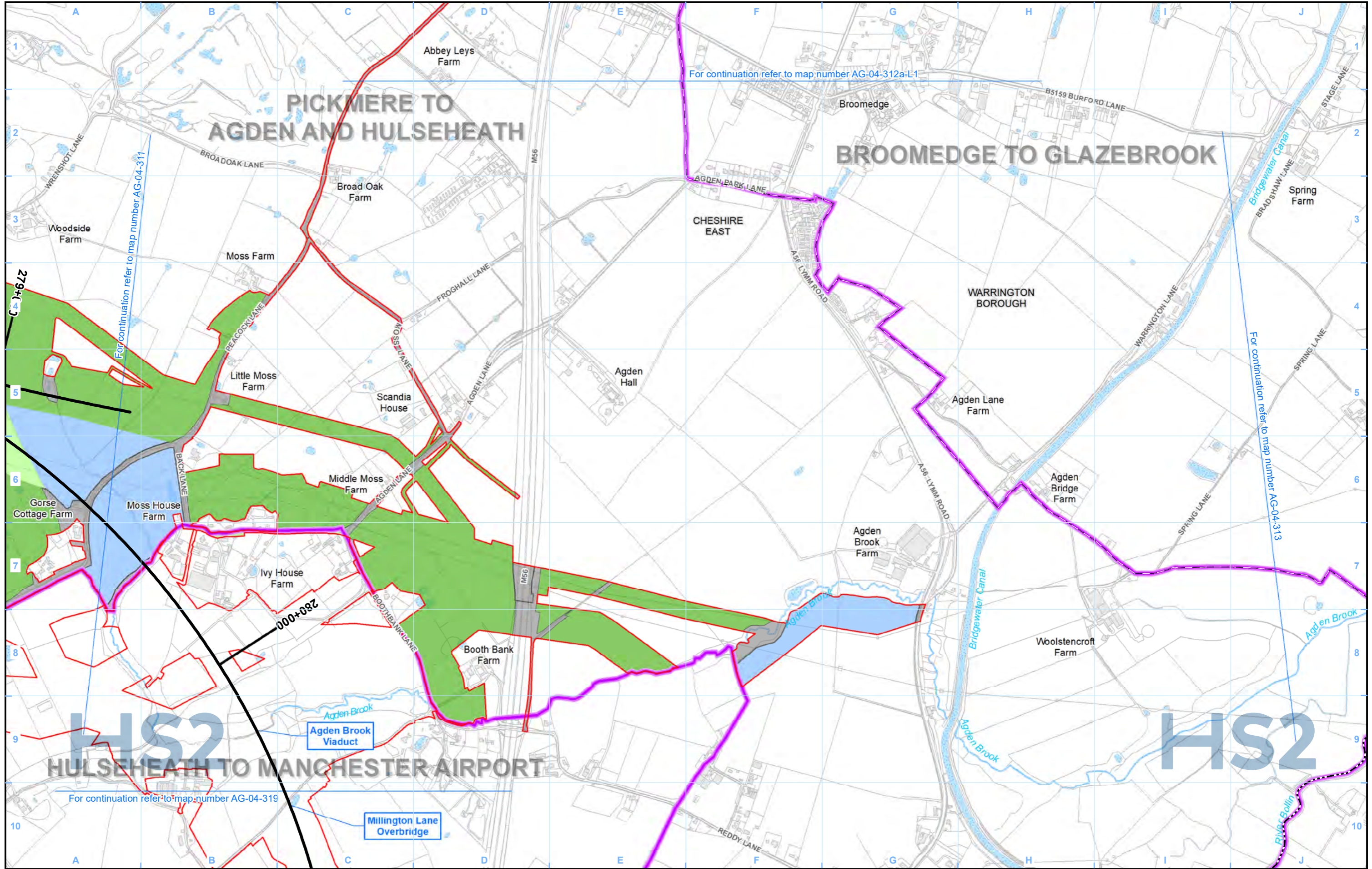
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For continuation refer to map number AG-04-312a-L1

For continuation refer to map number AG-04-313

For continuation refer to map number AG-04-319

**Legend**

Route in tunnel	Watercourse	Grade 1 - excellent	Grade 3b - moderate
Route on surface	Water body	Grade 2 - very good	Grade 4 - poor
Depot, station, headhouse or portal building		Grade 3a - good	Grade 5 - very poor
Land potentially required during construction		Other land	
Community area boundary			
County boundary			
District/Borough boundary			

Map Number	AG-04-312a
Map Name	Agricultural Land Quality SES1 and AP1 ES
Community Area MA03: Pickmere to Agden and Hulseheath	

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