

High Speed Rail (Crewe – Manchester)

Supplementary Environmental Statement 1 and Additional Provision 1 Environmental Statement

Volume 5: Map Book

Socio-economics (SE-01)

High Speed Rail (Crewe – Manchester)

Supplementary Environmental Statement 1 and Additional Provision 1 Environmental Statement

Volume 5: Map Book Socio-economics (SE-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

Website: 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

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Contents

Mapping explanatory notes

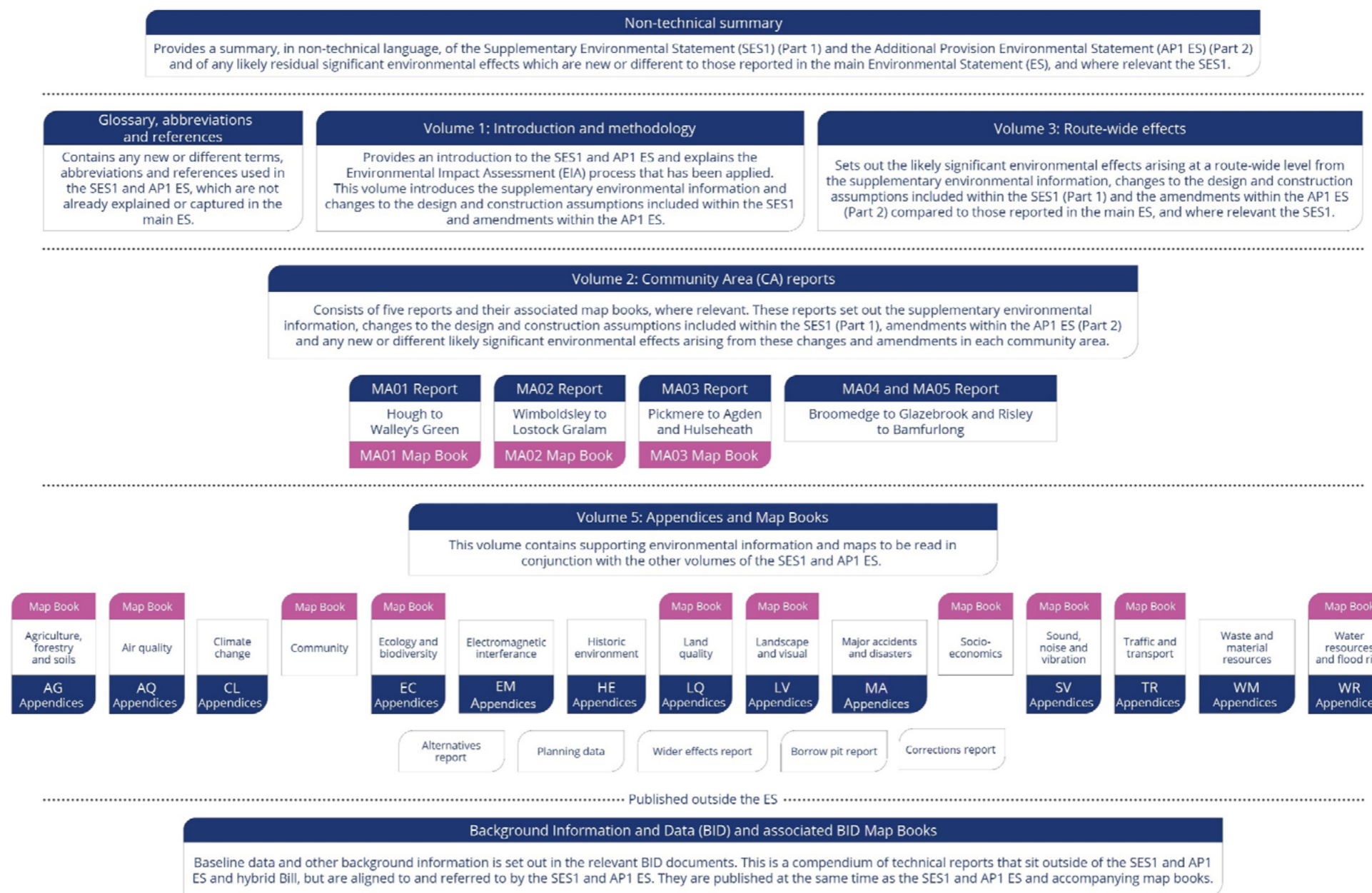
Data dictionary and definitions

Map series name	SE-01 - Socio-economic Significantly Affected Resources
Map series description	These maps identify socio-economic receptors which will experience new or different significant effects during construction and/or operation of the SES/AP scheme when compared to the hybrid Bill scheme. Significant effects on receptors that remain unchanged from the hybrid Bill scheme, or that have been removed due to the SES/AP design changes are also shown.
Community Area name	
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
Community area boundary	The Environmental Statement has been split into sections called Community Areas.	High Speed Two (HS2) Ltd	© Crown copyright. Reproduced by permission of Ordnance Survey Licence Number 100049190. Year of Publication 2019.
County boundary	County boundaries from Ordnance Survey boundary mapping.	Ordnance Survey	© Crown copyright. Reproduced by permission of Ordnance Survey Licence Number 100049190. Year of Publication 2021.
Depot, station, headhouse or portal building	Extends to cover operational footprint of each depot and station and the footprint of each tunnel vent shaft and headhouse at surface level. Excludes any ancillary buildings associated with these structures.	High Speed Two (HS2) Ltd	
District/Borough boundary	Ordnance Survey local authority boundary mapping.	Ordnance Survey	© Crown copyright. Reproduced by permission of Ordnance Survey Licence Number 100049190. Year of Publication 2021.
Land potentially required during construction	Boundary defining the maximum possible extent of construction works required to build HS2 as far as the current level of design allows. This only covers surface works and includes all tunnel portals, vent shafts and headhouses, but does not apply to wholly tunnelled sections or to air rights. It also encompasses associated highway, access, drainage and utility works.	High Speed Two (HS2) Ltd	
Resources significantly affected during construction (SE-01)	Socio-economic resources identified as significantly affected by either the construction or operation of the scheme. Derived from Ordnance Survey MasterMap data.	High Speed Two (HS2) Ltd	© Crown copyright. Reproduced by permission of Ordnance Survey Licence Number 100049190. Year of Publication 2019.
Resources significantly affected during construction and operation	Socio-economic resources identified as significantly affected by either the construction or operation of the scheme. Derived from Ordnance Survey MasterMap data.	High Speed Two (HS2) Ltd	© Crown copyright. Reproduced by permission of Ordnance Survey Licence Number 100049190. Year of Publication 2019.
Resources significantly affected during operation (SE-01)	Socio-economic resources identified as significantly affected by either the construction or operation of the scheme. Derived from Ordnance Survey MasterMap data.	High Speed Two (HS2) Ltd	© Crown copyright. Reproduced by permission of Ordnance Survey Licence Number 100049190. Year of Publication 2019.

Legend features	Definition	Source	Copyright
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.
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 2021.
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 2021.

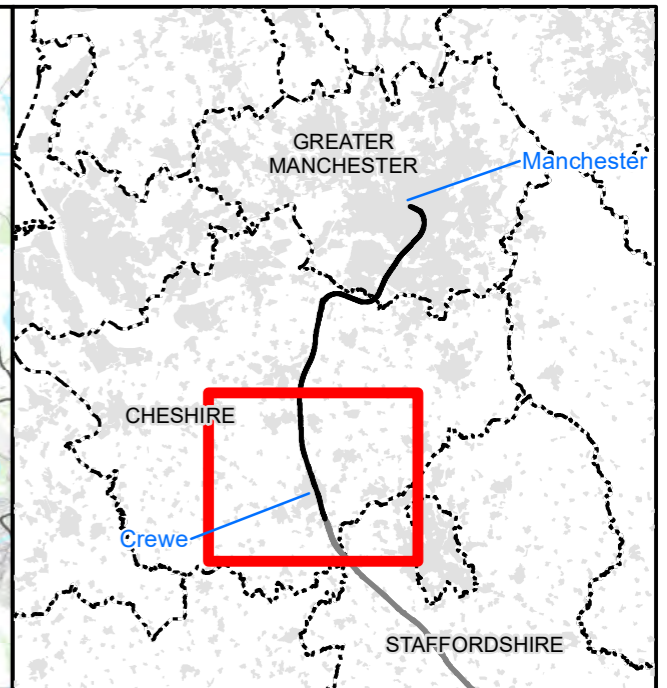
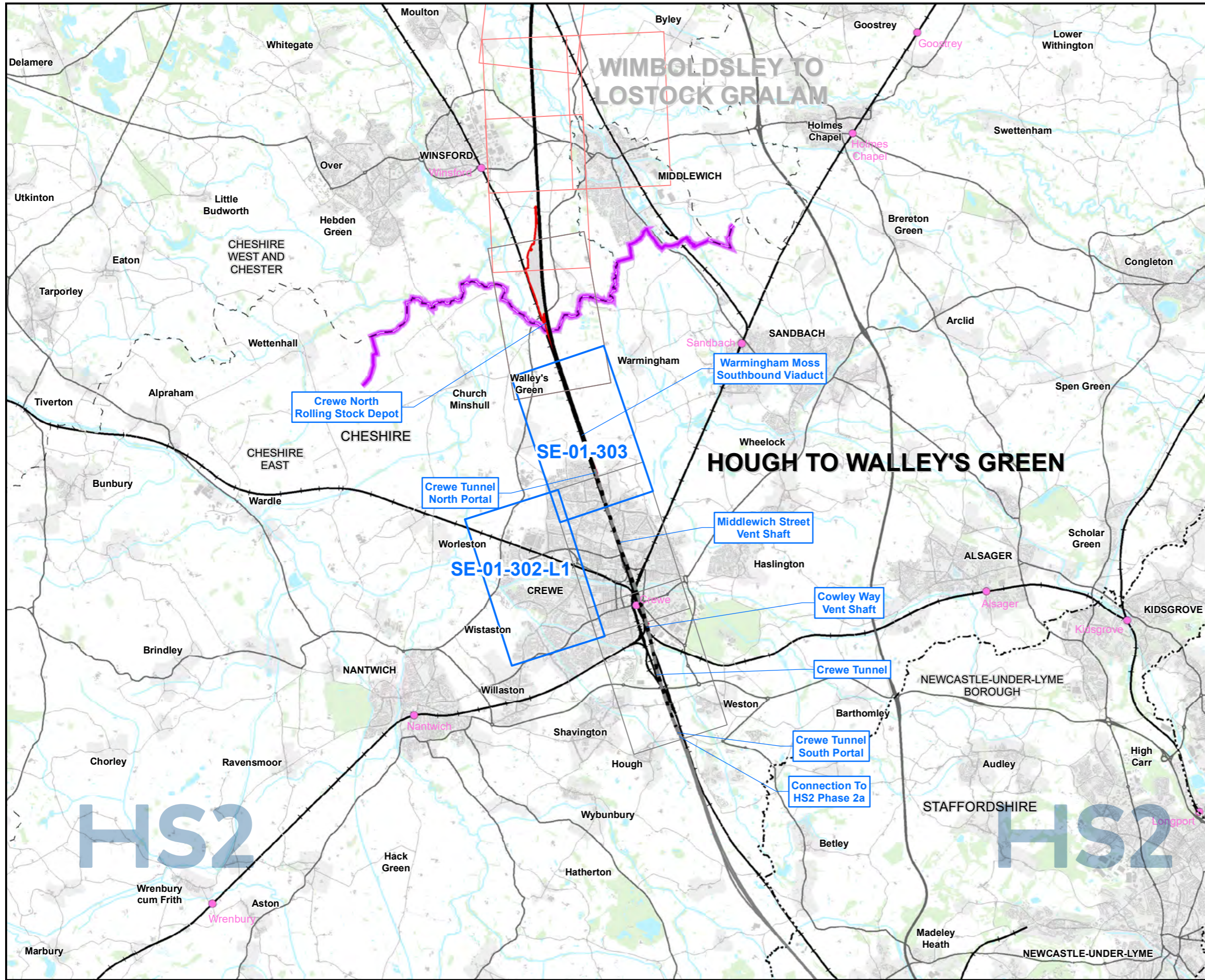
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High Speed Rail (Crewe – Manchester)

Supplementary Environmental Statement 1 and Additional Provision 1 Environmental Statement

MA01: Hough to Walley's Green

SE-01 – Socio-Economic Significantly Affected Resources



Map Series Information:

These maps identify socio-economic receptors which will experience new or different significant effects during construction and/or operation of the SES/AP scheme when compared to the hybrid Bill scheme. Significant effects on receptors that remain unchanged from the hybrid Bill scheme, or that have been removed due to the SES/AP design changes, are also shown.

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 **SE-01-INDEX-MA01**

Map Name
Index Map of:
Socio-economic Significantly Affected Resources
SES1 and AP1 ES

Community Area MA01:
Hough to Walley's Green

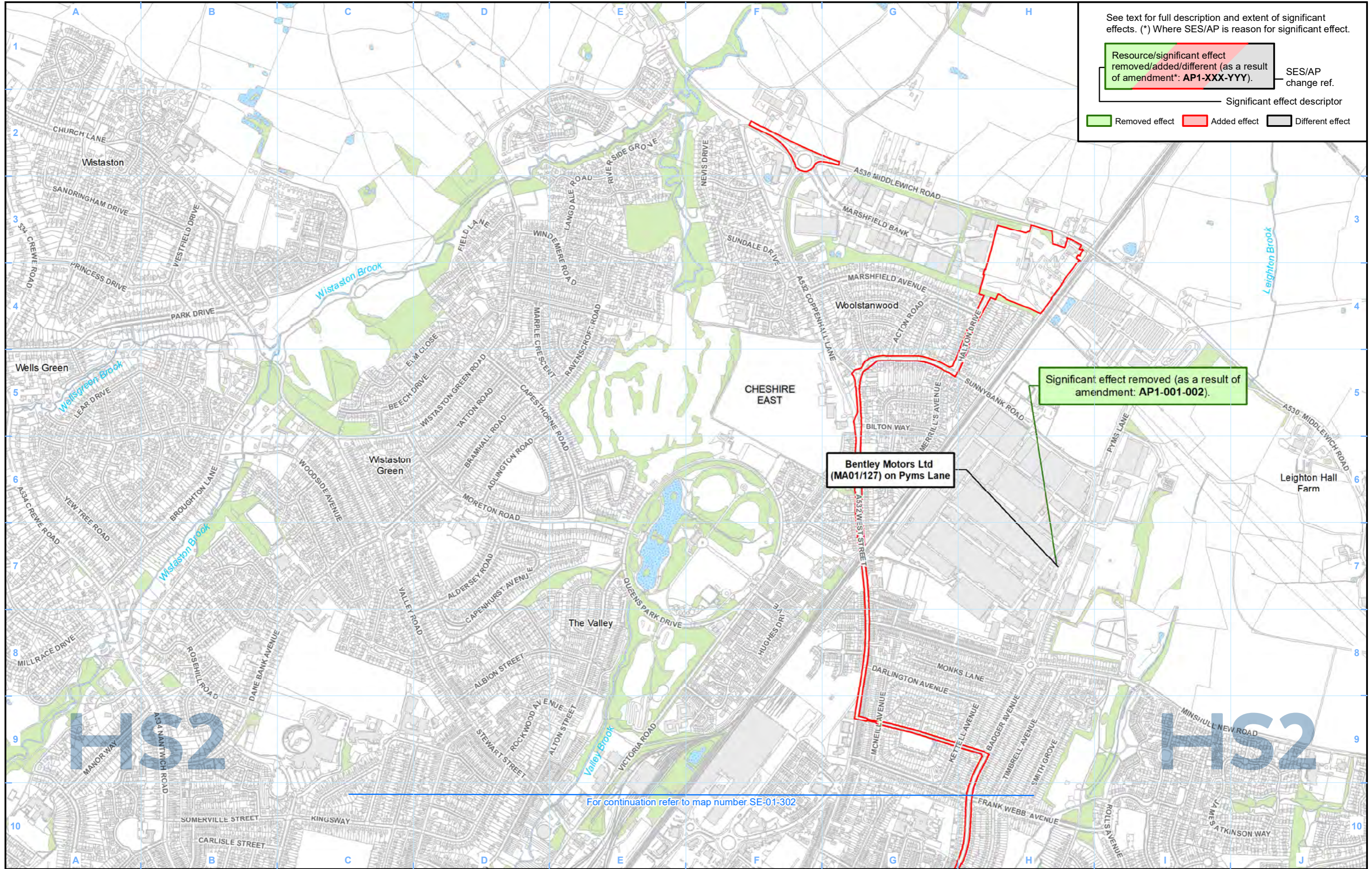
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Doc Number: 2PT24-MWJ-EV-MAP-M000-001983-P01 **Date: 20/04/22**



See text for full description and extent of significant effects. (*) Where SES/AP is reason for significant effect.

Resource/significant effect removed/added/different (as a result of amendment*: AP1-XXX-YYY). SES/AP change ref.

Significant effect descriptor

Removed effect Added effect Different effect

Legend

<ul style="list-style-type: none"> Route in tunnel Route on surface Depot, station, headhouse or portal building Land potentially required during construction Community area boundary County boundary District/Borough boundary 	<ul style="list-style-type: none"> Watercourse Water body Woodland 	<p>Resources significantly affected during construction:</p> <ul style="list-style-type: none"> Land taken or demolitions Isolation In-combination Multiple 	<p>Resources significantly affected during operation:</p> <ul style="list-style-type: none"> In-combination Isolation <p>Resources significantly affected during construction and operation:</p> <ul style="list-style-type: none"> In-combination Isolation
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Map Number: SE-01-302-L1

Map Name: Socio-economic Significantly Affected Resources SES1 and AP1 ES

Community Area MA01: Hough to Walley's Green

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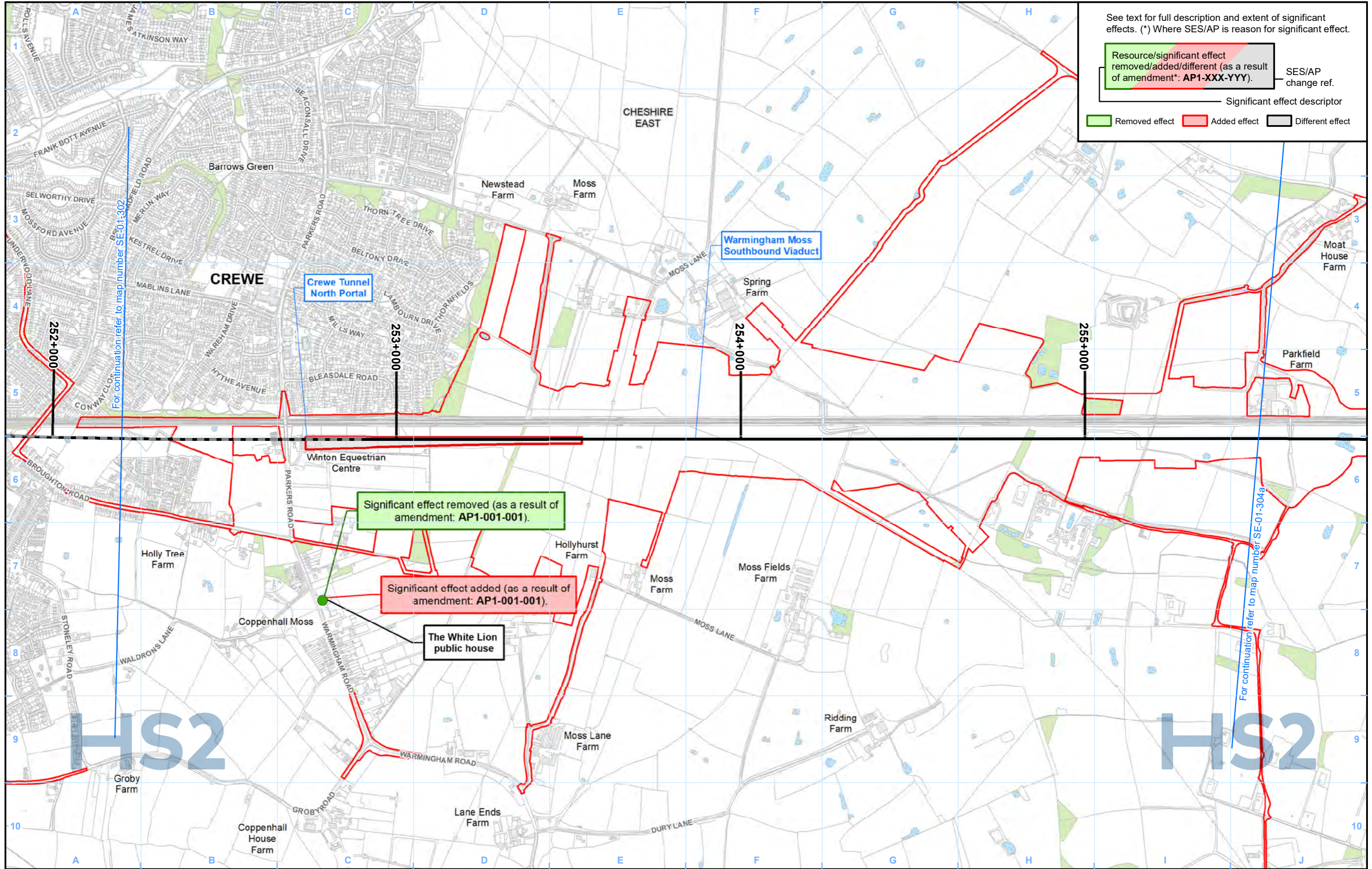
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Date: 20/04/22

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For continuation refer to map number SE-01-302



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Resource/significant effect removed/added/different (as a result of amendment*: AP1-XXX-YYY). — SES/AP change ref.

Significant effect descriptor

Removed effect (Green) Added effect (Red) Different effect (Grey)

Legend

<ul style="list-style-type: none"> Route in tunnel Route on surface Depot, station, headhouse or portal building Land potentially required during construction Community area boundary County boundary District/Borough boundary 	<ul style="list-style-type: none"> Watercourse Water body Woodland 	<p>Resources significantly affected during construction:</p> <ul style="list-style-type: none"> Land taken or demolitions Isolation In-combination Multiple 	<p>Resources significantly affected during operation:</p> <ul style="list-style-type: none"> In-combination Isolation <p>Resources significantly affected during construction and operation:</p> <ul style="list-style-type: none"> In-combination Isolation
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Map Number: SE-01-303

Map Name: Socio-economic Significantly Affected Resources SES1 and AP1 ES

Community Area MA01: Hough to Walley's Green

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Scale at A3: 1:10,000

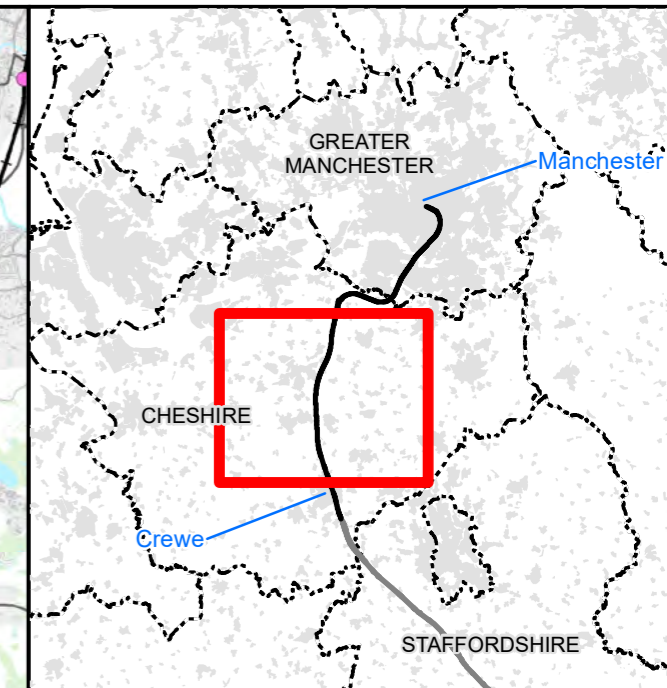
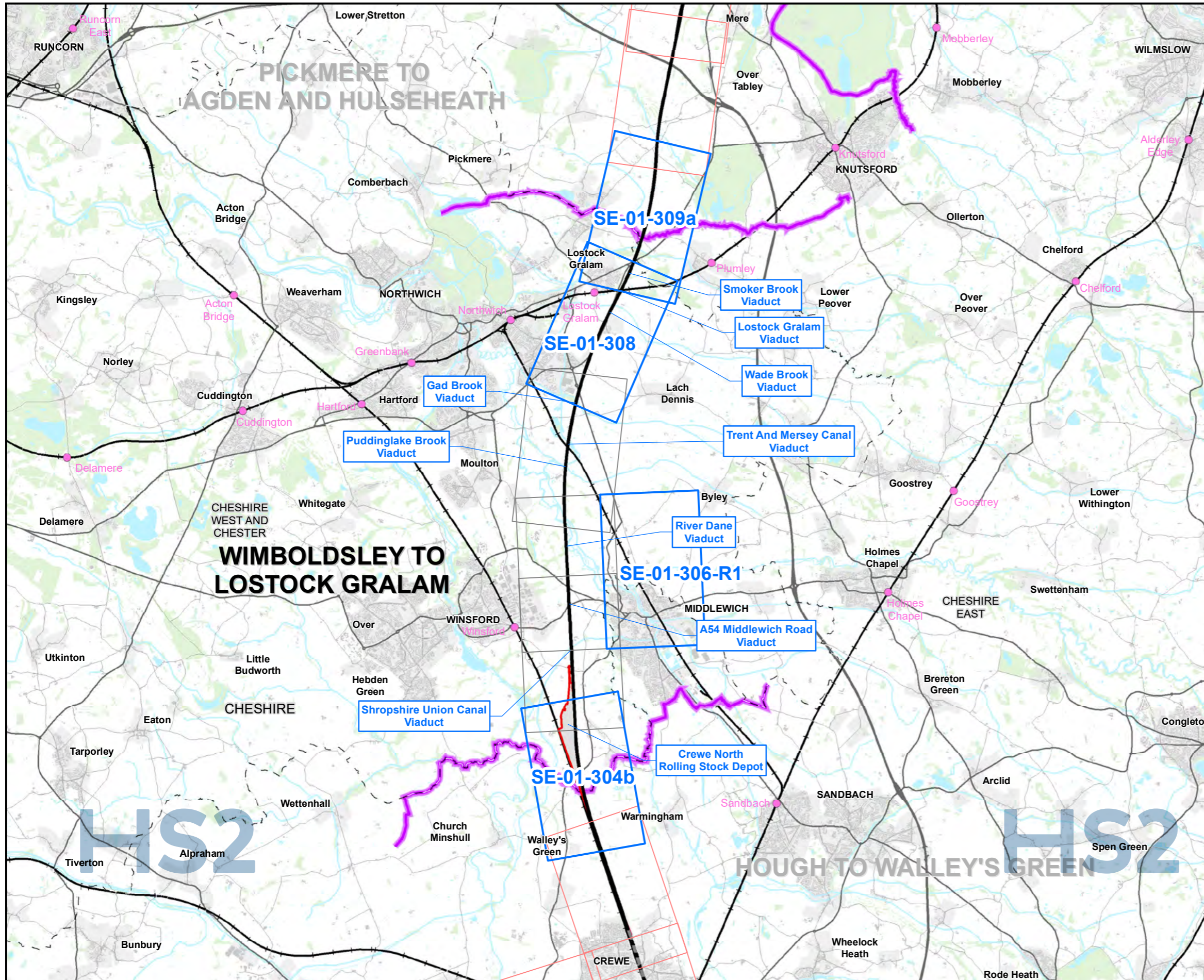
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High Speed Rail (Crewe – Manchester)

Supplementary Environmental Statement 1 and Additional Provision 1 Environmental Statement

MA02: Wimboldsley to Lostock Gralam

SE-01 – Socio-Economic Significantly Affected Resources



Map Series Information:

These maps identify socio-economic receptors which will experience new or different significant effects during construction and/or operation of the SES/AP scheme when compared to the hybrid Bill scheme. Significant effects on receptors that remain unchanged from the hybrid Bill scheme, or that have been removed due to the SES/AP design changes, are also shown.

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	SE-01-INDEX-MA02
Map Name	Index Map of: Socio-economic Significantly Affected Resources SES1 and AP1 ES
	Community Area MA02: Wimboldsley to Lostock Gralam

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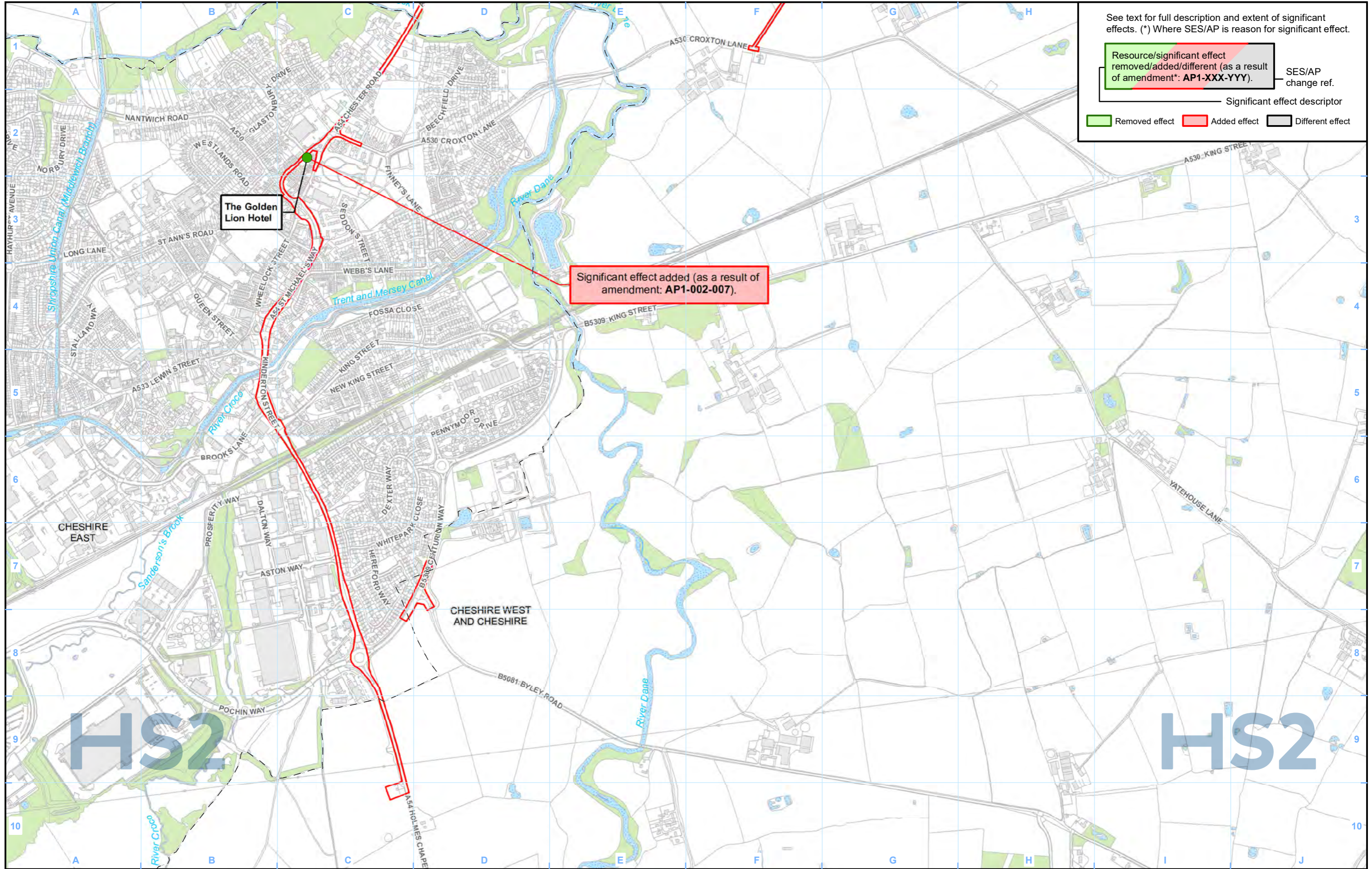
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Resource/significant effect removed/added/different (as a result of amendment*: AP1-XXX-YYY).	SES/AP change ref.
Significant effect descriptor	
Removed effect	Added effect
Different effect	

Legend

<ul style="list-style-type: none"> Route in tunnel Route on surface Depot, station, headhouse or portal building Land potentially required during construction Community area boundary County boundary District/Borough boundary 	<ul style="list-style-type: none"> Watercourse Water body Woodland 	<p>Resources significantly affected during construction:</p> <ul style="list-style-type: none"> Land taken or demolitions Isolation In-combination Multiple 	<p>Resources significantly affected during operation:</p> <ul style="list-style-type: none"> In-combination Isolation <p>Resources significantly affected during construction and operation:</p> <ul style="list-style-type: none"> In-combination Isolation
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Map Number	SE-01-306-R1
Map Name	Socio-economic Significantly Affected Resources SES1 and AP1 ES
	Community Area MA02: Wimboldsley to Lostock Gralam

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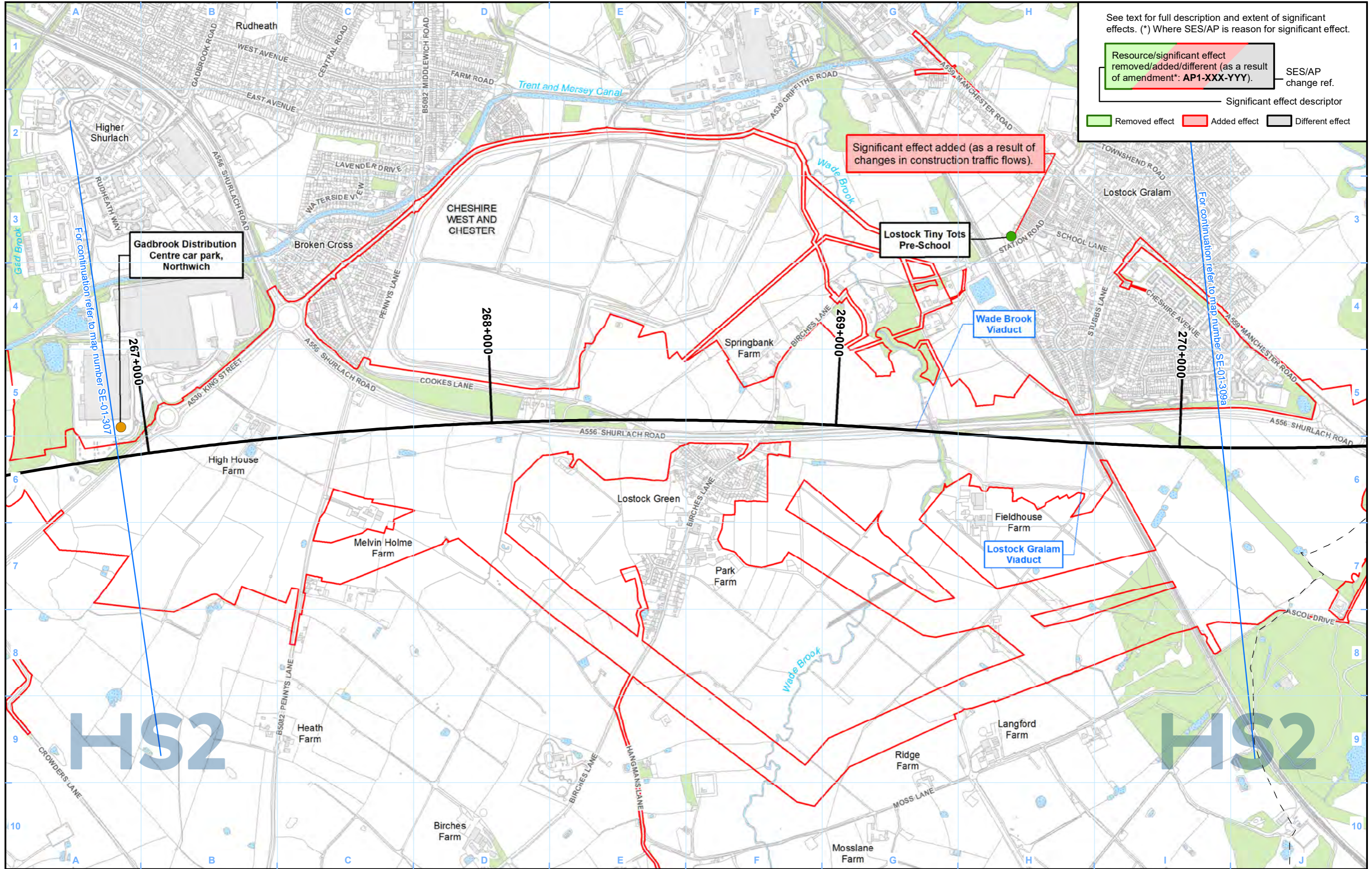
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Resource/significant effect removed/added/different (as a result of amendment*: AP1-XXX-YYY).	SES/AP change ref.
Significant effect descriptor	
Removed effect	Added effect
Different effect	

Legend

<ul style="list-style-type: none"> Route in tunnel Route on surface Depot, station, headhouse or portal building Land potentially required during construction Community area boundary County boundary District/Borough boundary 	<ul style="list-style-type: none"> Watercourse Water body Woodland 	<p>Resources significantly affected during construction:</p> <ul style="list-style-type: none"> Land taken or demolitions Isolation In-combination Multiple 	<p>Resources significantly affected during operation:</p> <ul style="list-style-type: none"> In-combination Isolation <p>Resources significantly affected during construction and operation:</p> <ul style="list-style-type: none"> In-combination Isolation
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Map Number	SE-01-308
Map Name	Socio-economic Significantly Affected Resources SES1 and AP1 ES
	Community Area MA02: Wimboldsley to Lostock Gralam

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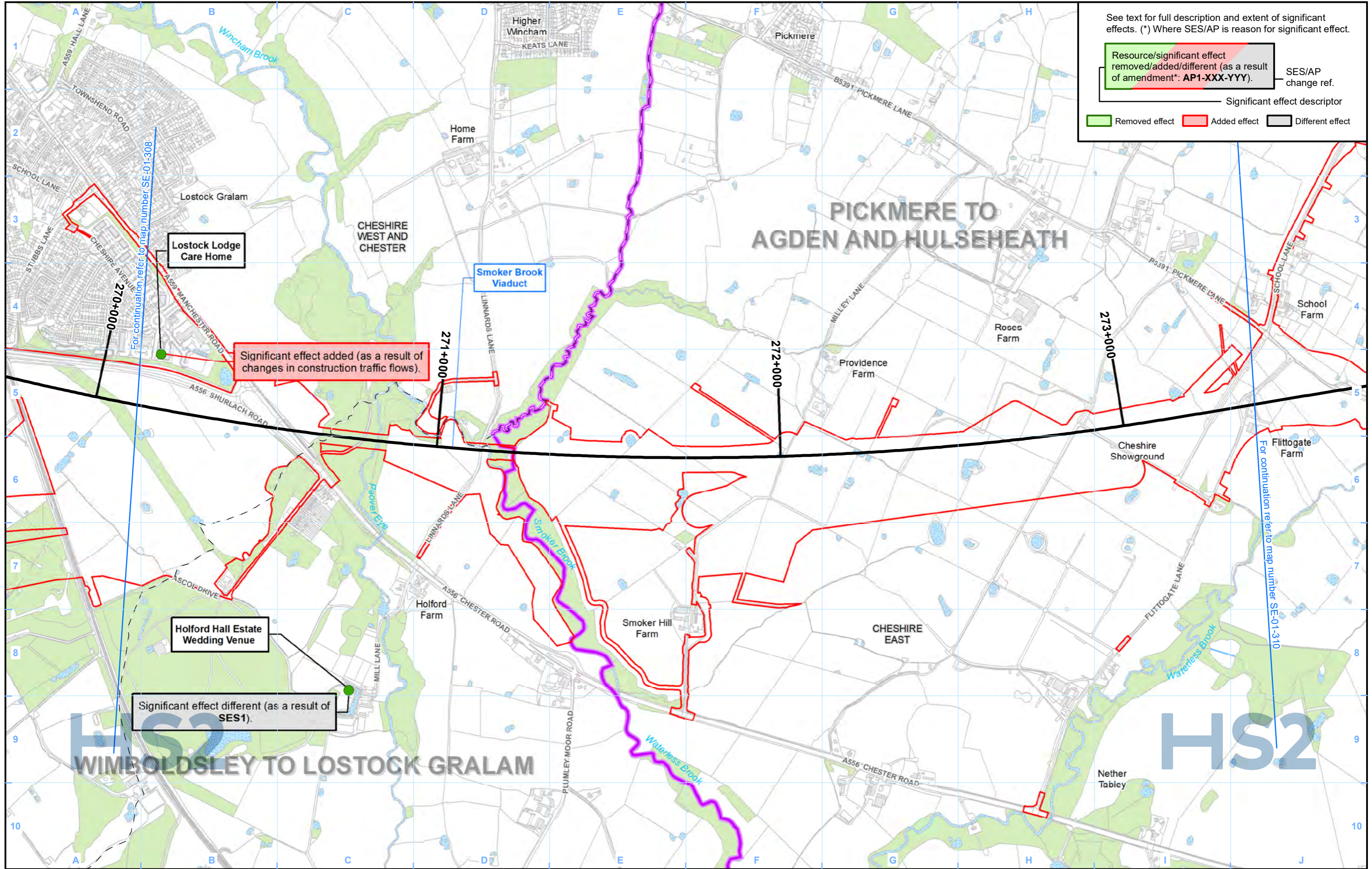
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Scale at A3: 1:10,000

For continuation refer to map number SE-01-309a

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Resource/significant effect removed/added/different (as a result of amendment*: AP1-XXX-YYY). — SES/AP change ref.

— Significant effect descriptor

Removed effect Added effect Different effect

Legend

<ul style="list-style-type: none"> — Route in tunnel — Route on surface ▭ Depot, station, headhouse or portal building ▭ Land potentially required during construction — Community area boundary - - - County boundary - - - District/Borough boundary 	<ul style="list-style-type: none"> — Watercourse ▭ Water body ▭ Woodland 	<p>Resources significantly affected during construction:</p> <ul style="list-style-type: none"> ● Land taken or demolitions ● Isolation ● In-combination ● Multiple 	<p>Resources significantly affected during operation:</p> <ul style="list-style-type: none"> ■ In-combination ■ Isolation <p>Resources significantly affected during construction and operation:</p> <ul style="list-style-type: none"> ▲ In-combination ▲ Isolation
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Map Number: SE-01-309a

Map Name: Socio-economic Significantly Affected Resources SES1 and AP1 ES

Community Area MA02: Wimboldsley to Lostock Gralam

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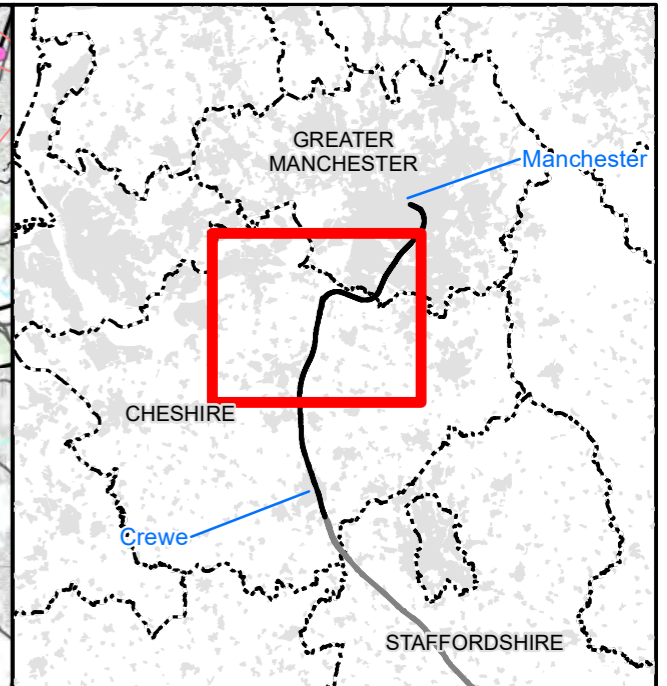
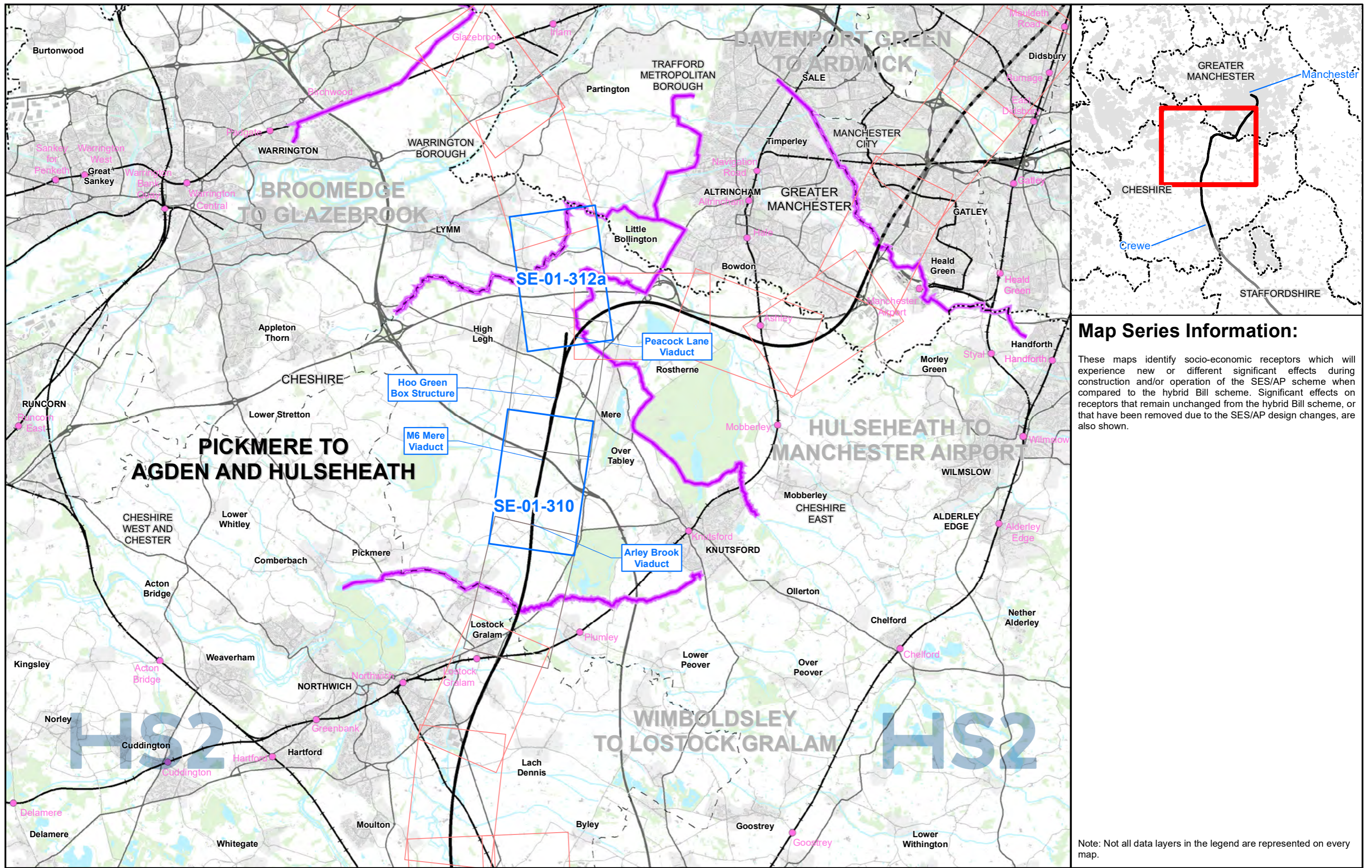
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High Speed Rail (Crewe – Manchester)

Supplementary Environmental Statement 1 and Additional Provision 1 Environmental Statement

MA03: Pickmere to Agden and Hulseheath

SE-01 – Socio-Economic Significantly Affected Resources



Map Series Information:

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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	SE-01-INDEX-MA03
Map Name	Index Map of: Socio-economic Significantly Affected Resources SES1 and AP1 ES
	Community Area MA03: Pickmere to Agden and Hulseheath

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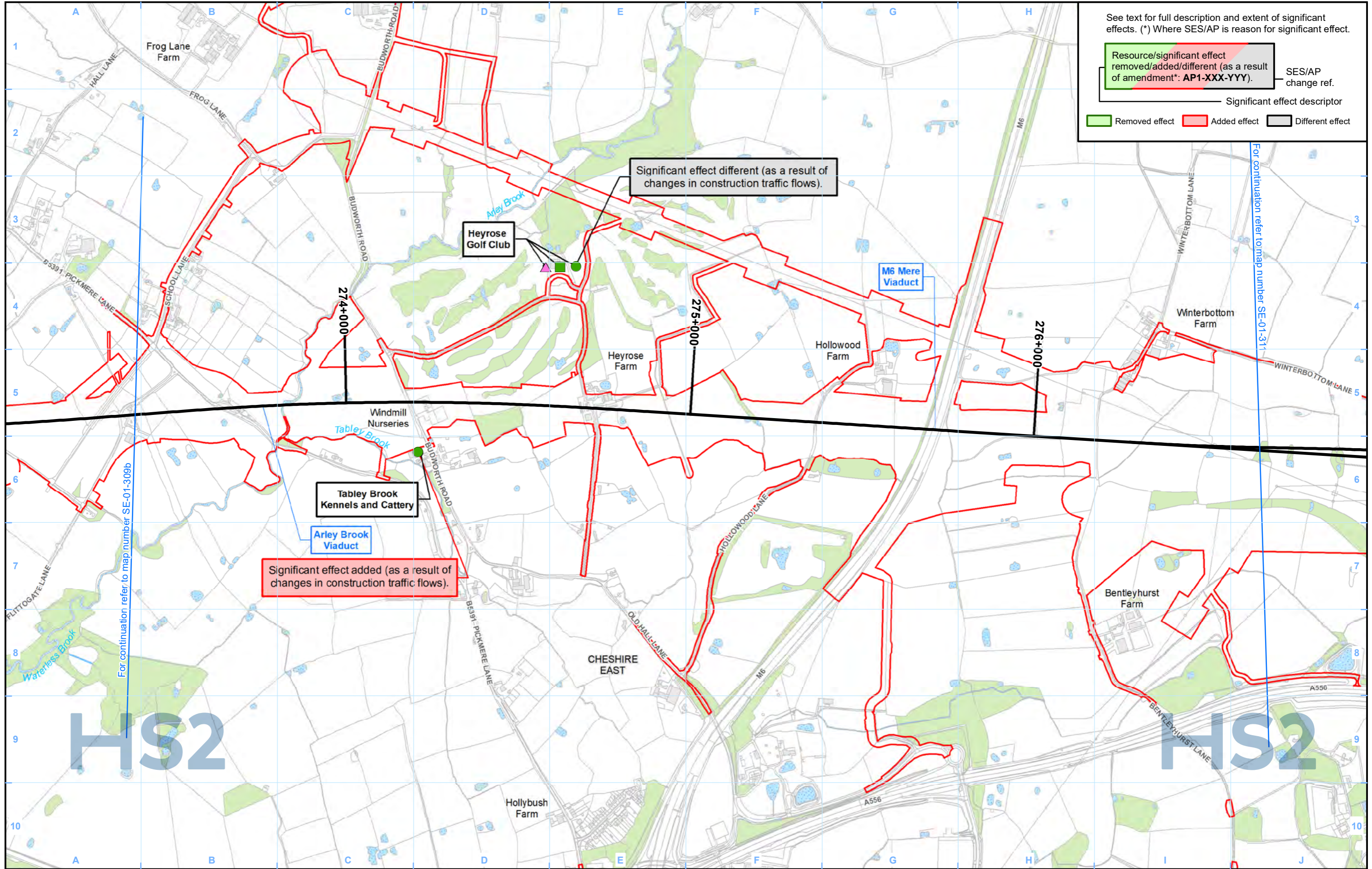
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0 1,000 2,000 3,000 4,000
Metres

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Resource/significant effect removed/added/different (as a result of amendment*: AP1-XXX-YYY). — SES/AP change ref.

— Significant effect descriptor

Removed effect Added effect Different effect

Legend

<ul style="list-style-type: none"> Route in tunnel Route on surface Depot, station, headhouse or portal building Land potentially required during construction Community area boundary County boundary District/Borough boundary 	<ul style="list-style-type: none"> Watercourse Water body Woodland 	<p>Resources significantly affected during construction:</p> <ul style="list-style-type: none"> Land taken or demolitions Isolation In-combination Multiple 	<p>Resources significantly affected during operation:</p> <ul style="list-style-type: none"> In-combination Isolation <p>Resources significantly affected during construction and operation:</p> <ul style="list-style-type: none"> In-combination Isolation
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Map Number: SE-01-310

Map Name: Socio-economic Significantly Affected Resources SES1 and AP1 ES

Community Area MA03: Pickmere to Agden and Hulseheath

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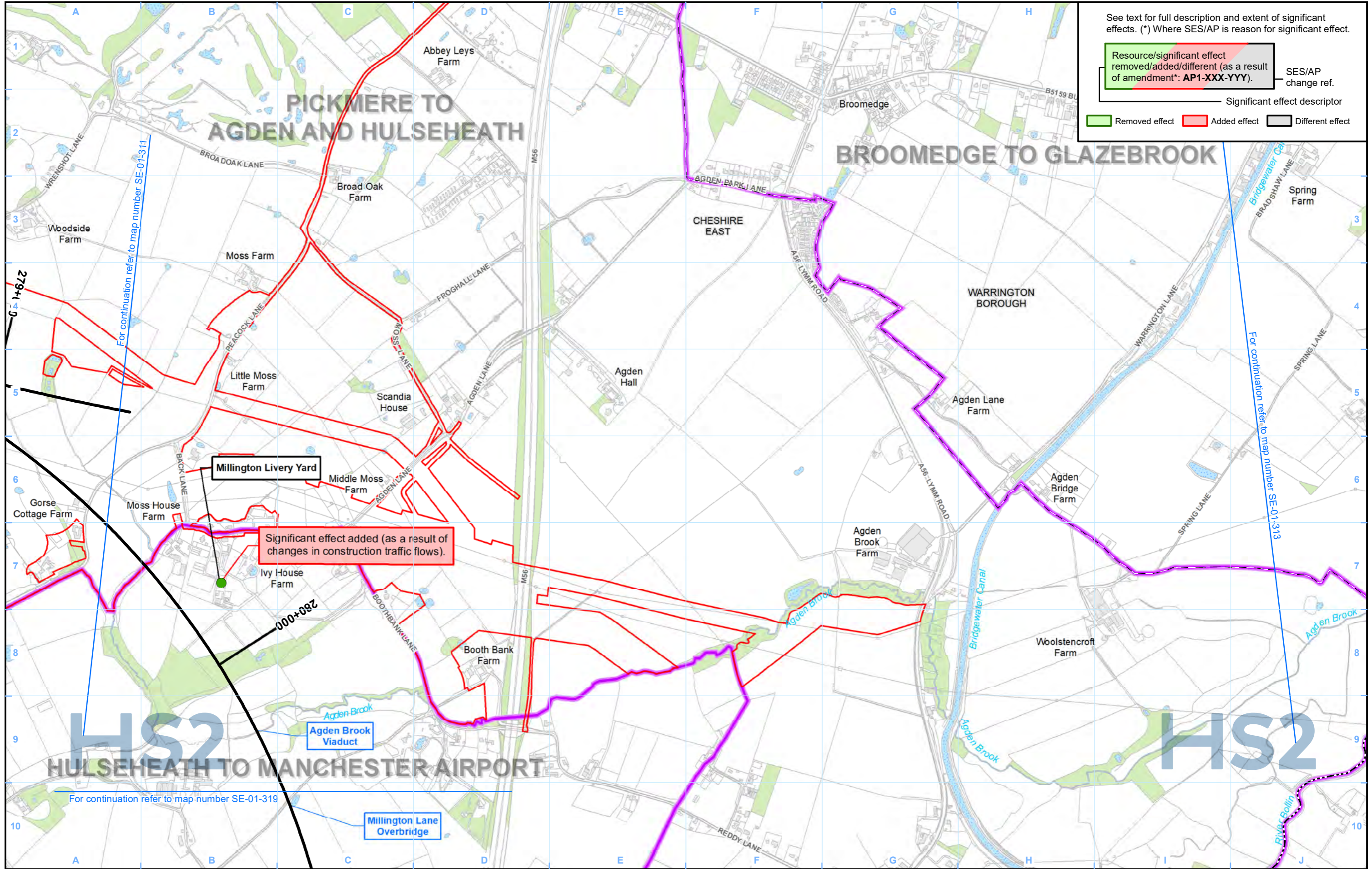
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Metres



See text for full description and extent of significant effects. (*) Where SES/AP is reason for significant effect.

Resource/significant effect removed/added/different (as a result of amendment*: AP1-XXX-YYY).	SES/AP change ref.
Significant effect descriptor	
Removed effect	Added effect
Different effect	

Legend

<ul style="list-style-type: none"> Route in tunnel Route on surface Depot, station, headhouse or portal building Land potentially required during construction Community area boundary County boundary District/Borough boundary 	<ul style="list-style-type: none"> Watercourse Water body Woodland 	<p>Resources significantly affected during construction:</p> <ul style="list-style-type: none"> Land taken or demolitions Isolation In-combination Multiple 	<p>Resources significantly affected during operation:</p> <ul style="list-style-type: none"> In-combination Isolation <p>Resources significantly affected during construction and operation:</p> <ul style="list-style-type: none"> In-combination Isolation
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Map Number	SE-01-312a
Map Name	Socio-economic Significantly Affected Resources SES1 and AP1 ES
	Community Area MA03: Pickmere to Agden and Hulseheath

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Doc Number: 2DE01-MWJ-EV-MAP-M000-001961-P01

Date: 20/04/22

Scale at A3: 1:10,000

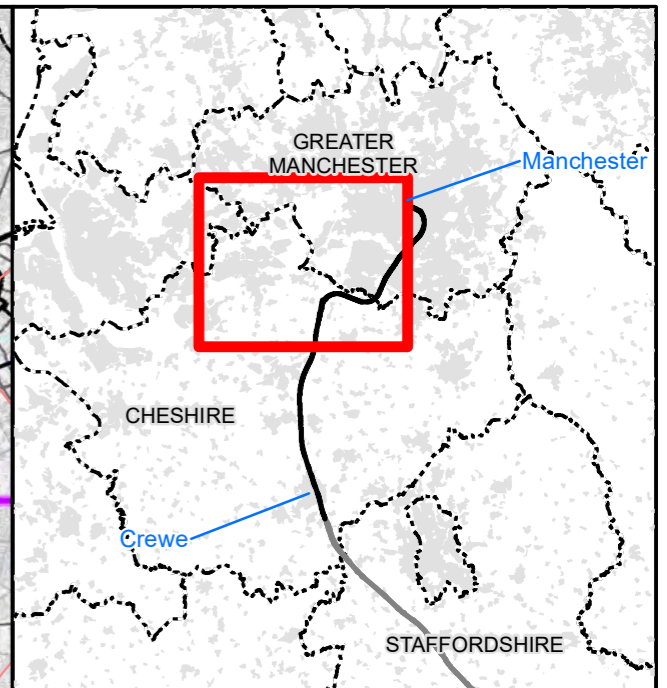
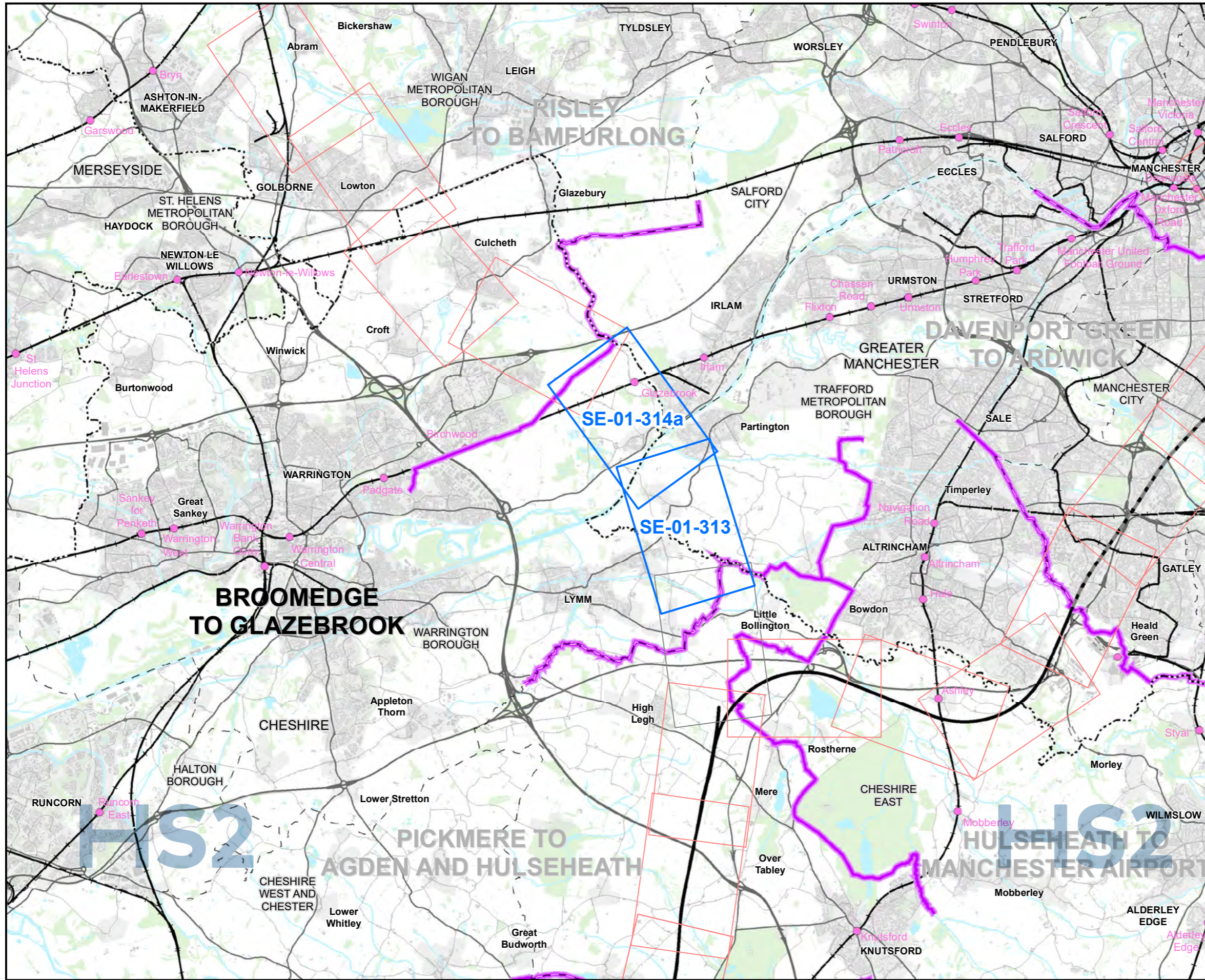
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High Speed Rail (Crewe – Manchester)

Supplementary Environmental Statement 1 and Additional Provision 1 Environmental Statement

MA04: Broomedge to Glazebrook

SE-01 – Socio-Economic Significantly Affected Resources



Map Series Information:

These maps identify socio-economic receptors which will experience new or different significant effects during construction and/or operation of the SES/AP scheme when compared to the hybrid Bill scheme. Significant effects on receptors that remain unchanged from the hybrid Bill scheme, or that have been removed due to the SES/AP design changes, are also shown.

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 SE-01-INDEX-MA04

Map Name
Index Map of:
Socio-economic Significantly Affected Resources
SES1 and AP1 ES

Community Area MA04:
Broomedge to Glazebrook

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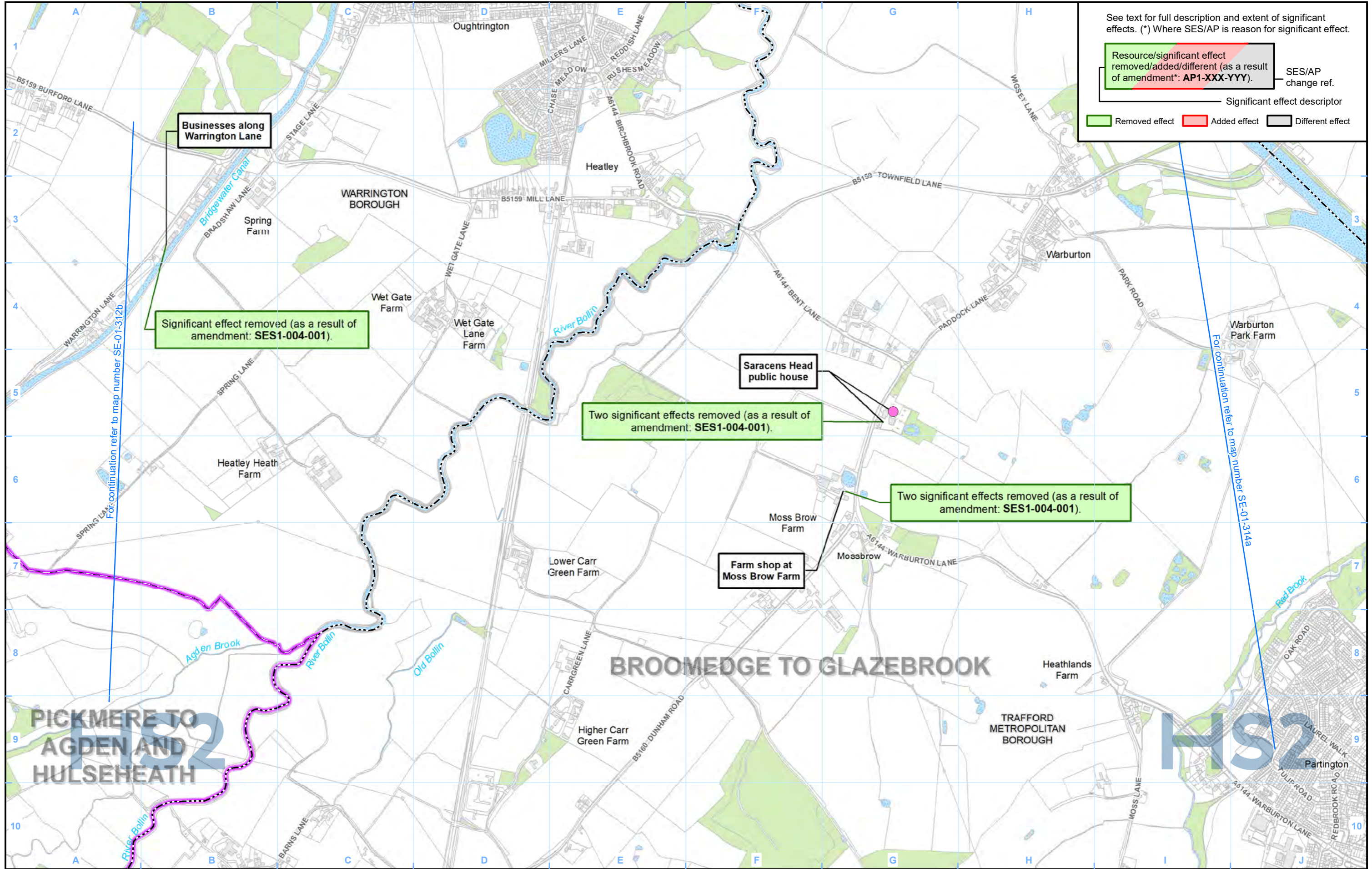
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Doc Number: 2PT24-MWJ-EV-MAP-M000-001986-P01

Scale at A3: 1:100,000

Metres

Date: 19/05/22



See text for full description and extent of significant effects. (*) Where SES/AP is reason for significant effect.

Resource/significant effect removed/added/different (as a result of amendment*: AP1-XXX-YYY).	SES/AP change ref.
Significant effect descriptor	
Removed effect	Added effect
Different effect	

Legend

Route in tunnel	Watercourse	Resources significantly affected during construction:	Resources significantly affected during operation:
Route on surface	Water body	Land taken or demolitions	Isolation
Depot, station, headhouse or portal building	Woodland	Isolation	Resources significantly affected during construction and operation:
Land potentially required during construction		In-combination	In-combination
Community area boundary		Multiple	Isolation
County boundary			
District/Borough boundary			

Map Number SE-01-313

Map Name Socio-economic Significantly Affected Resources SES1 and AP1 ES

Community Area MA04: Broomedge to Glazebrook

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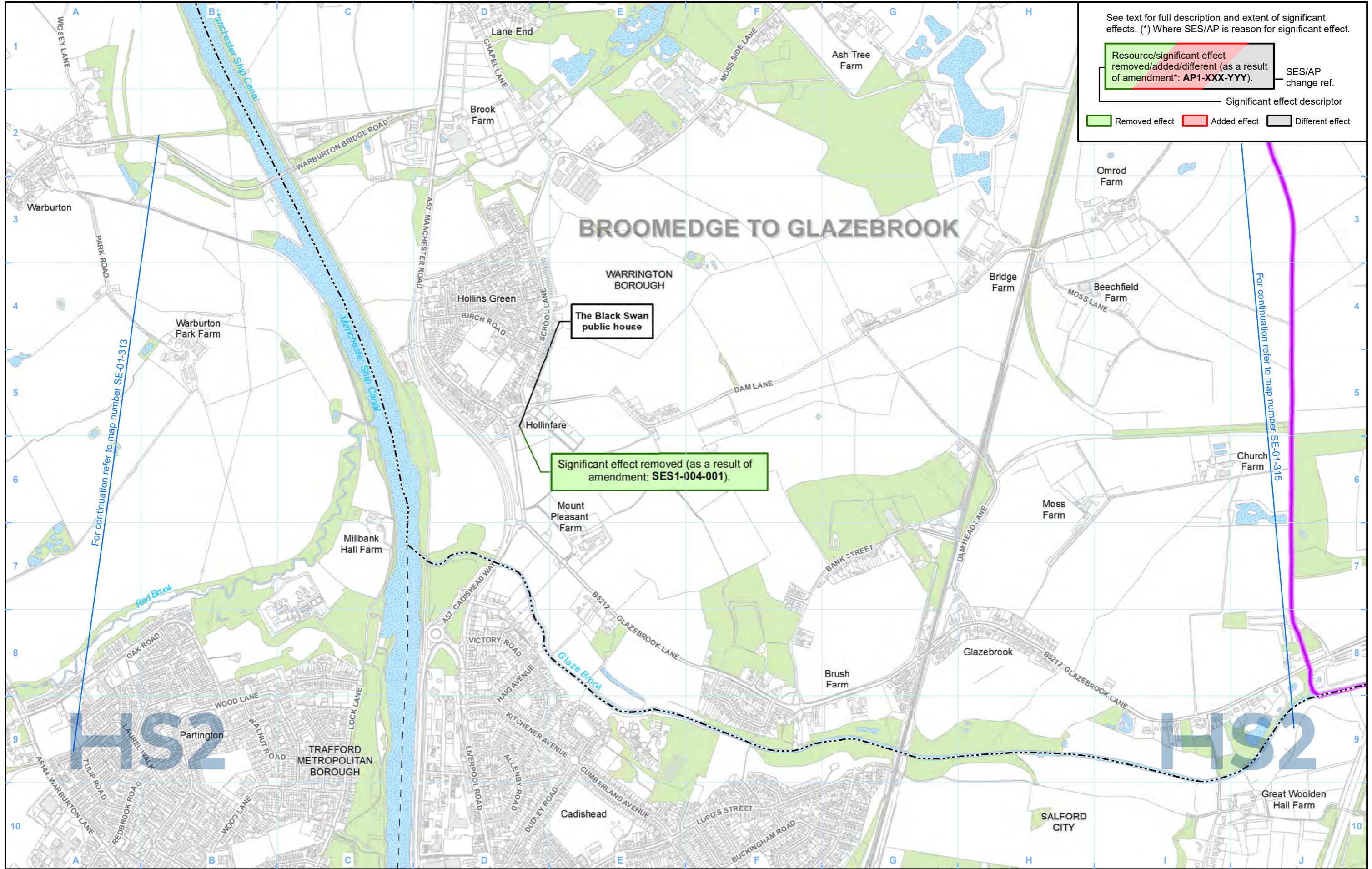
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Doc Number: 2PT24-MWJ-EV-MAP-M000-001963-P01

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See text for full description and extent of significant effects. (*) Where SES/AP is reason for significant effect.

Resource/significant effect removed/added/different (as a result of amendment*: AP1-XXX-YYY).	SES/AP change ref.
Significant effect descriptor	
Removed effect	Added effect
Different effect	

Legend

Route in tunnel	Watercourse	Resources significantly affected during construction:	Resources significantly affected during operation:
Route on surface	Water body	Land taken or demolitions	In-combination
Depot, station, headhouse or portal building	Woodland	Isolation	Isolation
Land potentially required during construction		In-combination	Resources significantly affected during construction and operation:
Community area boundary		Multiple	In-combination
County boundary			Isolation
District/Borough boundary			

Map Number: SE-01-314a

Map Name: Socio-economic Significantly Affected Resources SES1 and AP1 ES

Community Area MA04: Broomedge to Glazebrook

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