

High Speed Rail (Crewe – Manchester)

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

Volume 5: Map Book

Traffic and transport (TR-01, TR-03, TR-04, TR-08)

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Mapping explanatory notes

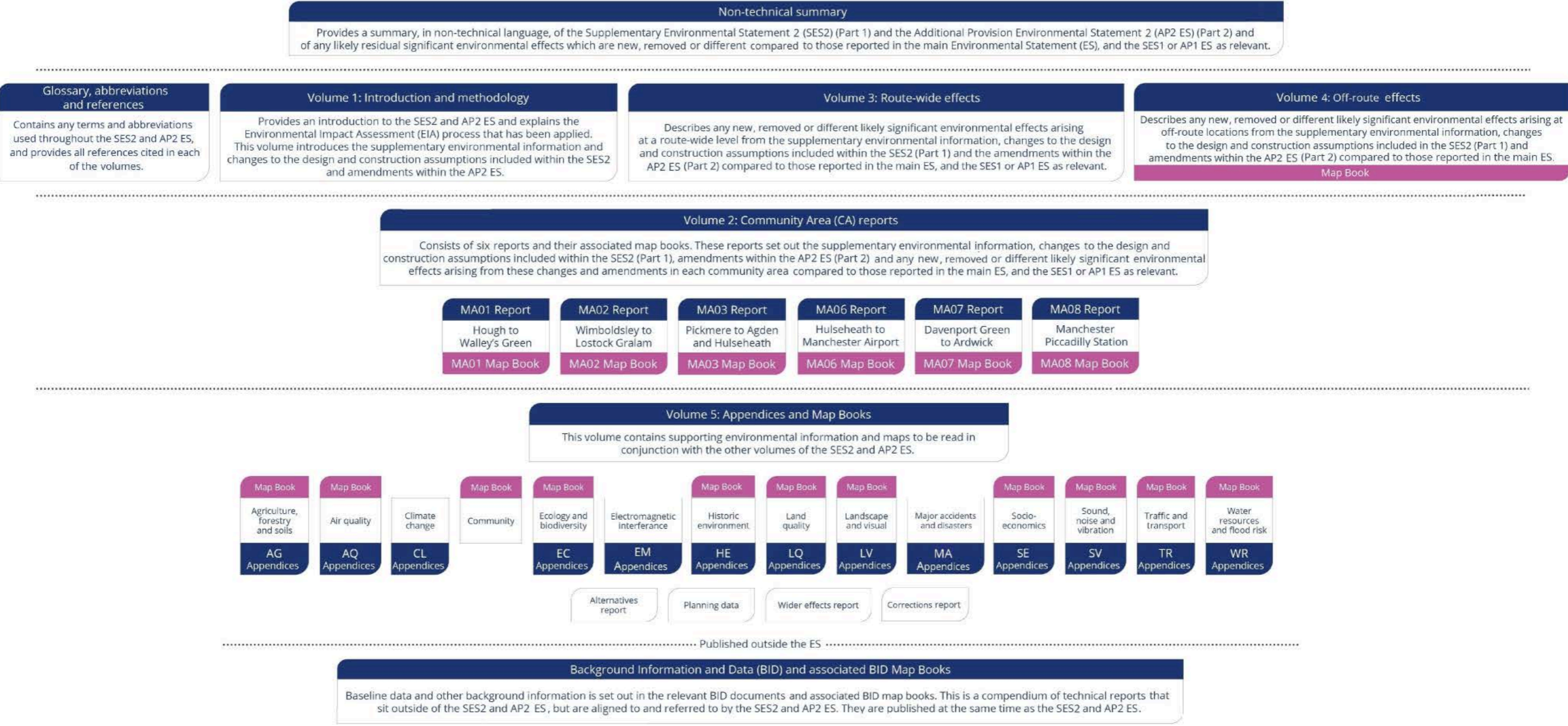
Data dictionary and definitions

| Map series name | TR-01 - Station Impacts (Operational) | TR-03 - Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes | TR-04 - Significant Residual Transport Effects Arising from Operation | TR-08 - Construction Routes to the Strategic Network |
|---------------------------------------|---|---|--|---|
| Map series description | These maps identify the station impacts and modal station access and facilities at HS2 station buildings once the new/enhanced stations are operational. This includes station building access, pedestrian links, cycle links and parking, bus links (including bus stops), links to conventional rail and Local Underground, taxi access and ranks, and car parking. | This map series identifies the significant residual transport effects arising from construction of the Proposed Scheme and the construction traffic routes. Traffic routes are the identified routes which Heavy Goods Vehicles (HGVs) will use between compounds and the main A road/ strategic road network within each CA. The effects include those that are temporary (adverse/beneficial) from transport related impacts as a result of the Proposed Scheme on the transport network and the level of significance of those effects (minor, moderate or major). | Identifies the significant residual transport effects during the operation of HS2 for each CA. The effects include those that are permanent (adverse/beneficial) from transport-related impacts as a result of the Proposed Scheme (and mitigation) on the existing transport network and the level of significance of those effects (minor, moderate or major) for the two forecast years 2038 (Opening Year) and 2051 (Design Year). | This map series identifies the construction routes to the strategic network for each CA. This shows the construction and site-haul routes from each compound and the through routes for both construction and site-haul. The maps also show the locations of the construction compound. |
| 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 | | ✓ | | |
| 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 Supplementary Environmental Statement 2 and the Additional Provision 2 Environmental Statement

This map book is part of the suite of documents that make up the Supplementary Environmental Statement 2 (SES2) and the Additional Provision 2 Environmental Statement (AP2 ES) for the High Speed Rail (Crewe – Manchester) scheme. The SES2 and the AP2 ES are separate documents; however, they are bound together and presented in a number of volumes shown in the figure 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 SES2 and AP2 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 SES2 and AP2 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 SES2 and the AP2 ES map on the right. For the CT-05 and CT-06 map series, the SES2 and the AP2 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 SES2 and the AP2 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 SES2 and the AP2 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 SES2 and the AP2 ES reference number. For more detailed information about the SES2 and the AP2 ES annotation, refer to the map series legend. Only maps which have been amended as a result of the SES2 and the AP2 ES are included within the map book. Changes to receptors or significant effects relating to SES1 or AP1 ES are also provided for reference. Where this is the case they are shown in a faded box.

Where a significant effect has been changed due to a correction to mapping produced in the main ES or previous SES/AP, the significant effect reference is suffixed with a double asterisk (**). The map now shows the correct effect.

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 SES2 and AP2 ES.

Map books

In total, there are 19 map books included in the SES2 and AP2 ES Volume 2, Volume 4 and Volume 5. A list of the map book titles and map series is provided below for reference.

| Map book title (map series) | Map book title (map series) |
|---|--|
| Volume 2: Map Book – MA01: Hough to Walley’s Green (CT-05, CT-06, CT-10, LV-03, SV-05) | Volume 5: Map Book – Planning Data / Committed Developments (CT-13) |
| Volume 2: Map Book – MA02: Wimboldsley to Lostock Gralam (CT-05, CT-06, CT-10, LV-03, SV-05) | Volume 5: Map Book – Ecology and biodiversity (EC-01) |
| Volume 2: Map Book – MA03: Pickmere to Agden and Hulseheath (CT-05, CT-06, CT-10, LV-03, LV-04, SV-05) | Volume 5: Map Book – Historic environment (HE-01, HE-02) |
| Volume 2: Map Book – MA06: Hulseheath to Manchester Airport (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 – MA07: Davenport Green to Ardwick (CT-05, CT-06, CT-10, LV-01, LV-03, LV-04) | Volume 5: Map Book – Landscape and visual (LV-00, LV-02, LV-07, LV-08, LV-17) |
| Volume 2: Map Book – MA08: Manchester Piccadilly Station (CT-05, CT-06, CT-10, LV-03, LV-04, SV-05) | Volume 5: Map Book – Socio-economics (SE-01) |
| Volume 4: Off-route effects map book | Volume 5: Map Book – Sound, noise and vibration (SV-02, SV-03, SV-08, SV-09) |
| Volume 5: Map Book – Agriculture, forestry and soils (AG-01, AG-04) | Volume 5: Map Book – Traffic and transport (TR-01, TR-03, TR-04, TR-08) |
| Volume 5: Map Book – Air quality (AQ-01) | Volume 5: Map Book – Water resources and flood risk (WR-01, WR-03, WR-05, WR-06) |
| Volume 5: Map Book – Community (CM-01) | |

High Speed Rail (Crewe – Manchester)

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

Data dictionary and definitions

Data dictionary and definitions

| Legend features | Definition | Source | Copyright |
|--|---|--------------------------|--|
| Bus and or coach stops | Existing or proposed stop locations available for HS2 rail passengers within the vicinity of proposed HS2 Phase One stations. | High Speed Two (HS2) Ltd | |
| Car parks | Existing or proposed car parking spaces within the vicinity of station for potential rail passengers. | High Speed Two (HS2) Ltd | |
| 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. |
| Compound traffic routes | Public highways which may be used for HGV construction traffic to construction compounds. | High Speed Two (HS2) Ltd | |
| Construction compounds | A strategic construction hub for core project management (engineering, planning and construction delivery), commercial and administrative staff associated with the construction of the Proposed Scheme. These compounds will include an area for equipment and materials storage, as well as providing main welfare facilities for construction staff, with some compounds also providing overnight sleeping accommodation for construction staff. | High Speed Two (HS2) Ltd | |
| Construction significant effects | Adverse – deterioration in existing conditions as a result of the Proposed Scheme Beneficial – improvement of existing conditions as a result of the Proposed Scheme Permanent – permanent change as a result of the Proposed Scheme Temporary – temporary change as a result of the Proposed Scheme (likely within construction phase of scheme). | High Speed Two (HS2) Ltd | |
| Construction traffic routes | Public highways which may be used for HGV construction traffic. | High Speed Two (HS2) Ltd | |
| 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. |
| Cycle parking | Location of proposed cycle parking provision at HS2 Phase One stations. | High Speed Two (HS2) Ltd | |
| 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 | |

| Legend features | Definition | Source | Copyright |
|---|---|--------------------------|--|
| 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. |
| HS2 engineering design | Outline of proposed realigned highways and bridges. | High Speed Two (HS2) Ltd | |
| HS2 route | Represents the proposed route of HS2. | High Speed Two (HS2) Ltd | |
| Kiss and ride | Area located within the vicinity of proposed HS2 Phase One station for private vehicle dropoff/pick-up of rail passengers. | High Speed Two (HS2) Ltd | |
| 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 | |
| Link to classic rail | Link from high-speed rail services to classic rail services. | High Speed Two (HS2) Ltd | |
| Movement of excavated material | Public highways which may be used for HGV movements of excavated material to construction compounds. | High Speed Two (HS2) Ltd | |
| Onward construction routes | Directional symbol that indicates the construction routes continuing along the Strategic Road Network. | High Speed Two (HS2) Ltd | |
| Operational significant effects | Adverse- deterioration in existing conditions as a result of the Proposed Scheme Beneficial - improvement of existing conditions as a result of the Proposed Scheme Permanent - permanent change as a result of the Proposed Scheme, effects can be for 2027, 2041 or both operational assessment years. Temporary - temporary change as a result of the Proposed Scheme. | High Speed Two (HS2) Ltd | |
| Pedestrian and cycle links | Existing and proposed pedestrian and cycling infrastructure in the vicinity of proposed stations, available to passengers. | High Speed Two (HS2) Ltd | |
| Potential bus links | Potential bus infrastructure and links to bus services in the vicinity of Proposed Scheme. | High Speed Two (HS2) Ltd | |
| Private Hire | A private hire vehicle is a motor vehicle constructed or adapted to seat fewer than nine passengers, other than a hackney carriage, public service vehicle or a London cab, which is provided for hire with the services of a driver for the purpose of carrying passengers. | 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 | |
| Site haul to compound | Construction traffic access or movement of excavated materials that may use the site haul road, usually from public highway to construction compound. | High Speed Two (HS2) Ltd | |
| Station access points | Pedestrian access points (entrances/exits) within proposed HS2 Phase One station buildings. | High Speed Two (HS2) Ltd | |

| Legend features | Definition | Source | Copyright |
|-------------------------------------|---|--------------------------|--|
| Taxi ranks | Location of proposed taxi ranks at HS2 Phase One stations. | High Speed Two (HS2) Ltd | |
| Through construction traffic routes | Compound traffic routes from neighbouring CAs that may use the public highways within the represented CA. | High Speed Two (HS2) Ltd | |
| Through site haul to compound | Construction traffic access or movement of excavated materials from neighbouring CAs that may use site haul roads within the represented CA. | 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 2022. |
| 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 2022. |
| 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 2022. |

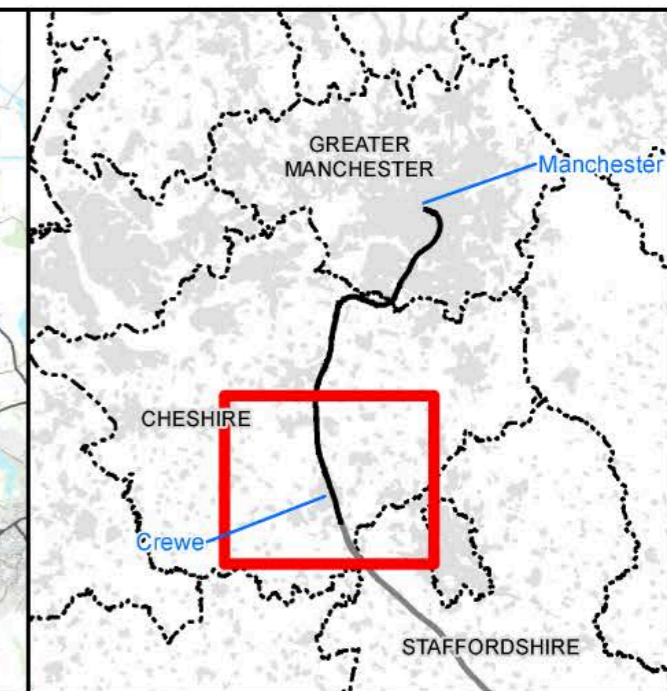
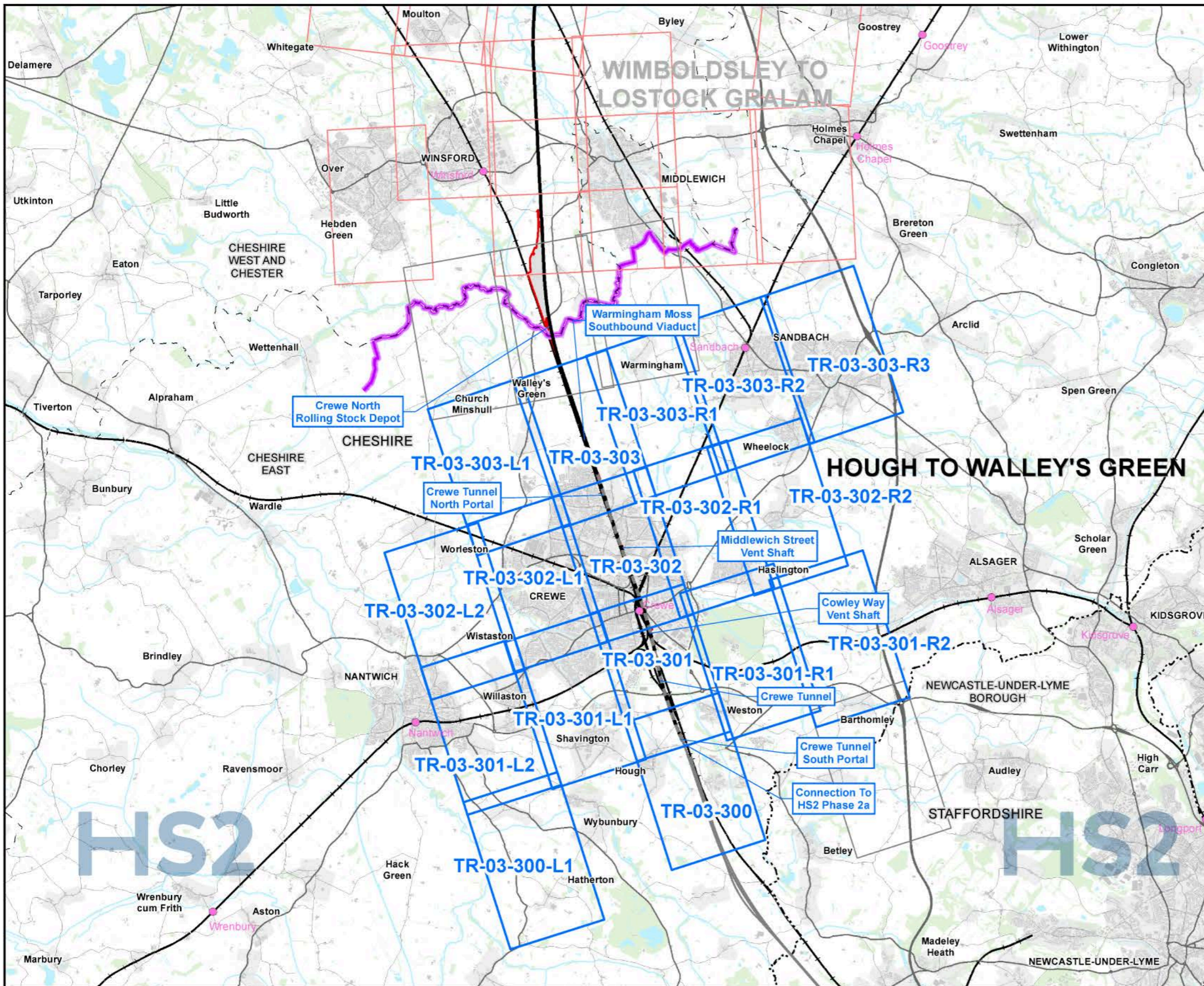
High Speed Rail (Crewe – Manchester)

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

MA01: Hough to Walley's Green

TR-03 - Significant Residual Transport Effects Arising during Construction
and Construction Traffic Routes

TR-08 - Construction Routes to the Strategic Network



Map Series Information:

This map series identifies the significant residual transport effects arising from construction of the Proposed Scheme and the construction traffic routes. Traffic routes are the identified routes which Heavy Goods Vehicles (HGVs) will use between compounds and the main A road/ strategic road network within each CA. The effects include those that are temporary (adverse/beneficial) from transport related impacts as a result of the Proposed Scheme on the transport network and the level of significance of those effects (minor, moderate or major).

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

- 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: TR-03-INDEX-MA01

Map Name: Index Map of: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES

Community Area MA01: Hough to Walley's Green

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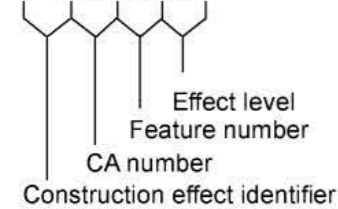
Doc Number: 2PT27-MWJ-EV-MAP-M000-002178-P01

Date: 03/05/23

Significant effect label:

Significant effect reference:

PT01-01-Mi



Construction effect identifier:

- PT - Public transport delay
- D - Disruption at stations / interchanges
- Tc - Traffic congestion and delays to vehicle occupants
- Td - Traffic diversion
- Ts - Traffic severance - non-motorised users
- P - Parking and loading
- V - Vulnerable road user delays, amenity and ambience
- A - Accidents and safety
- S - Severance
- W - Waterways

Effect level:

- Mi - Minor
- Mo - Moderate
- Ma - Major

Where a significant effect has been changed due to a correction to mapping produced in the main ES or previous SES/AP, the significant effect reference is suffixed with a double asterisk (**). The map now shows the correct effect.

The colour of the border around each significant effect arising from the current SES/AP and the significant effect descriptor denotes whether the effect is added or removed or there is a change to the type (i.e. adverse/beneficial) or level of effect (i.e. major/moderate/minor) in a given forecast year at the current SES/AP.

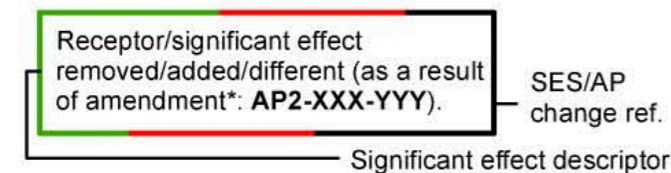
Where the colour of the border is black but the type and level of the significant effect are unchanged from those shown in the MA06-08 and ORW Community Area Map Books in the main ES or the MA01-05 Community Area Map Books in the previous SES/AP, this denotes that the current SES/AP will give rise to a different (increased/decreased) significant effect but will not change the level of significance of the effect.

Removed effect Added effect Different effect

Where there is no colour border around a label with a white background, this denotes a correction to a significant effect that was previously mapped but did not represent a significant effect within the assessment.

Significant effect descriptor:

Where the change in effect is directly attributable to a specific SES/AP change, this is denoted by the following significant effect descriptor:



Where the change in effect is caused by a combination of SES/AP changes, no significant effect descriptor is provided.

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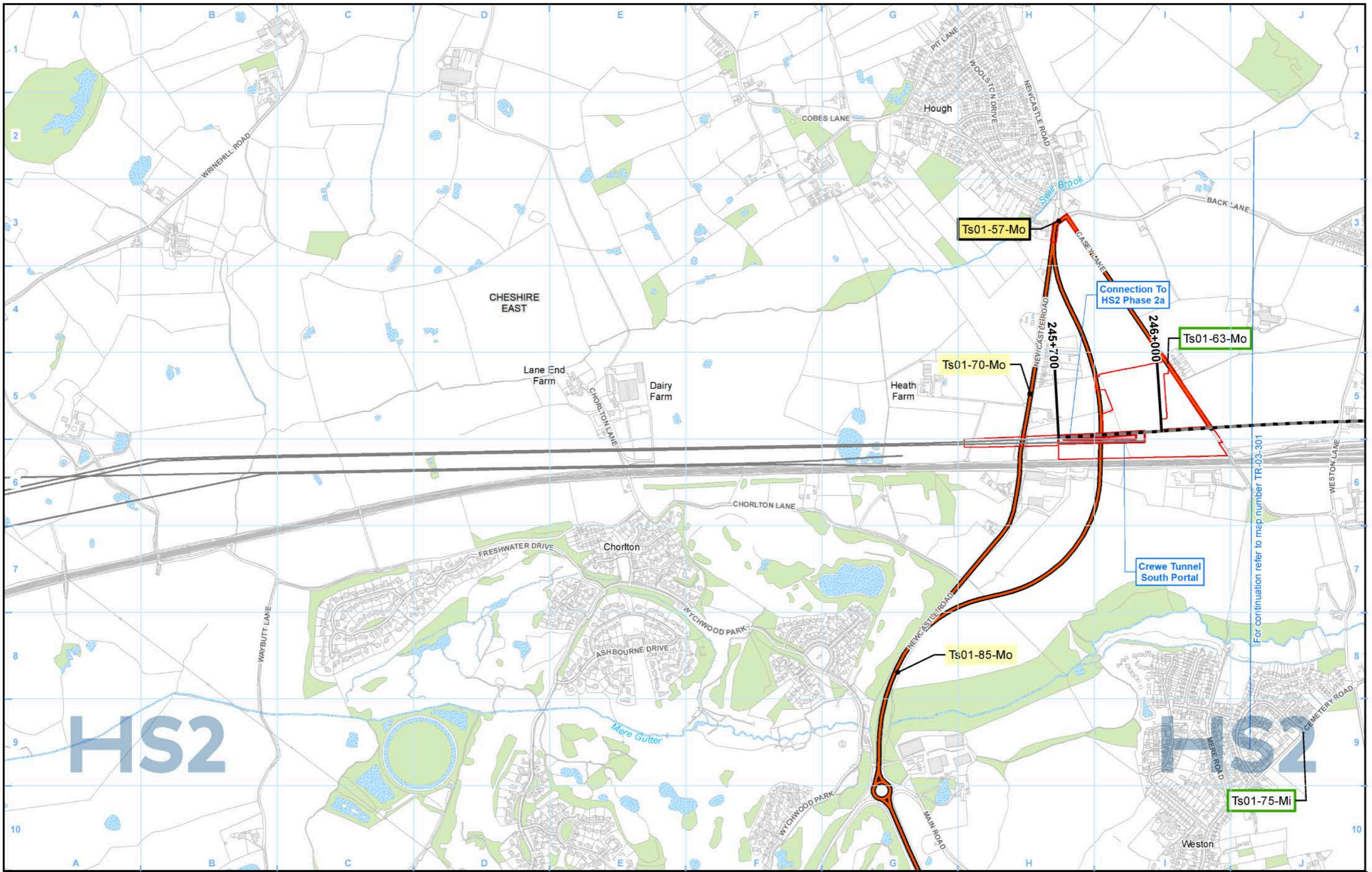
| | |
|------------|--|
| Map Number | TR-03 - Legend |
| Map Name | TR-03 - Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes - SES2 and AP2 ES |

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Doc Number: 2PT27-MWJ-EV-MAP-M000-004135-P01 Date: 03/05/23



Legend

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

| | | | |
|---|-----------------------|---|-----------------------|
| Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | |
| | Adverse, permanent | | Adverse, permanent |
| | Adverse, temporary | | Adverse, temporary |
| | Beneficial, temporary | | Beneficial, temporary |
| | Beneficial, permanent | | Beneficial, permanent |

For full legend please refer to TR-03 legend page.

| | |
|--|--|
| Map Number | TR-03-300 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area MA01: Hough to Walley's Green | |

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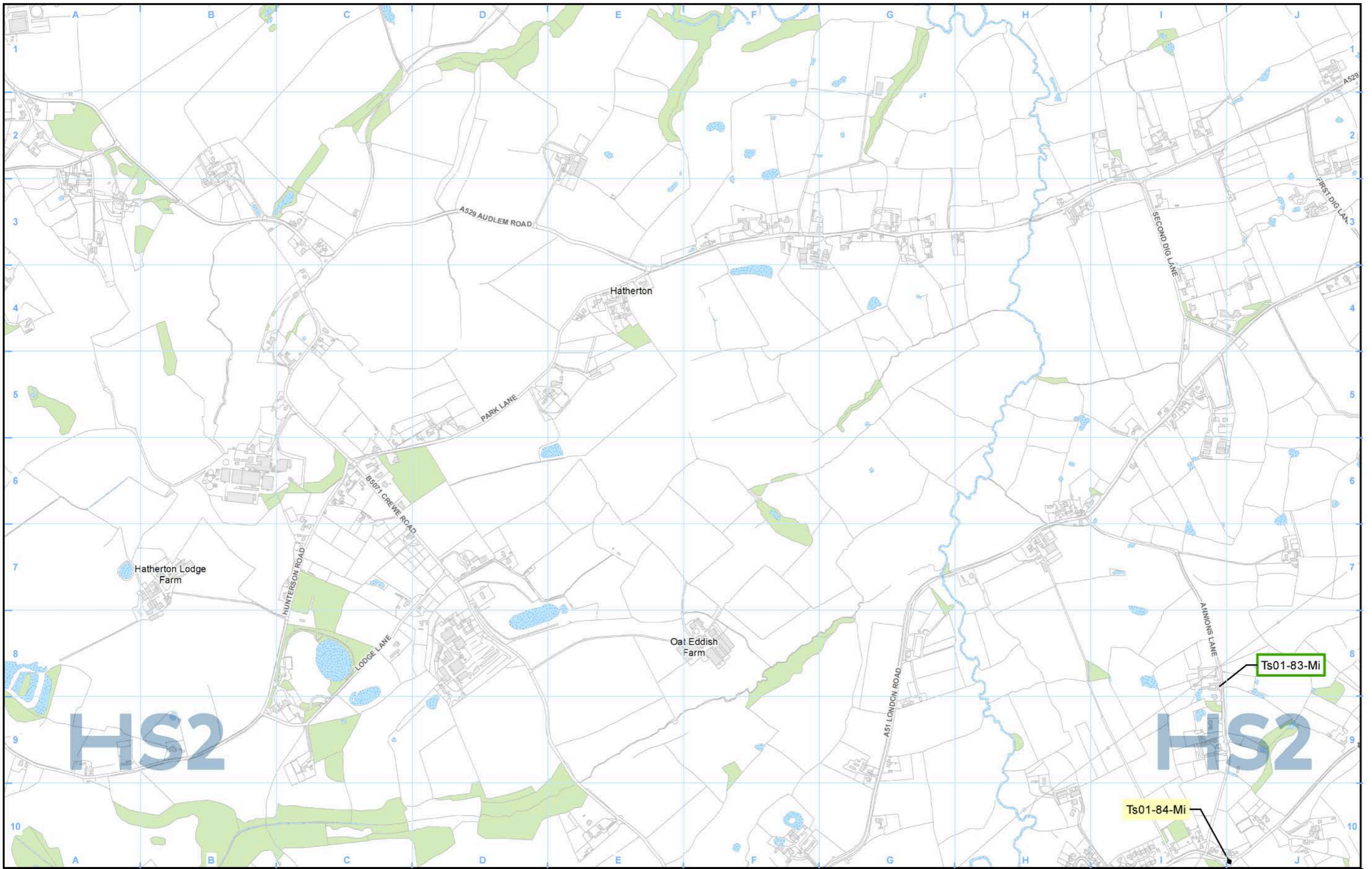
Doc Number: 2PT27-MWJ-EV-MAP-M000-002735-P01

Date: 03/05/23

Scale at A3: 1:10,000

Metres

For continuation refer to map number TR-03-301



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 |
| | Construction traffic routes |

Construction significant effects arising as a result of the current SES/AP:

| | |
|--|-----------------------|
| | Adverse, permanent |
| | Adverse, temporary |
| | Beneficial, temporary |
| | Beneficial, permanent |

Construction significant effects unchanged as a result of the current SES/AP:

| | |
|--|-----------------------|
| | Adverse, permanent |
| | Adverse, temporary |
| | Beneficial, temporary |
| | Beneficial, permanent |

For full legend please refer to TR-03 legend page.

| | |
|---|--|
| Map Number | TR-03-300-L1 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area MA01: Hough to Walley's Green | |

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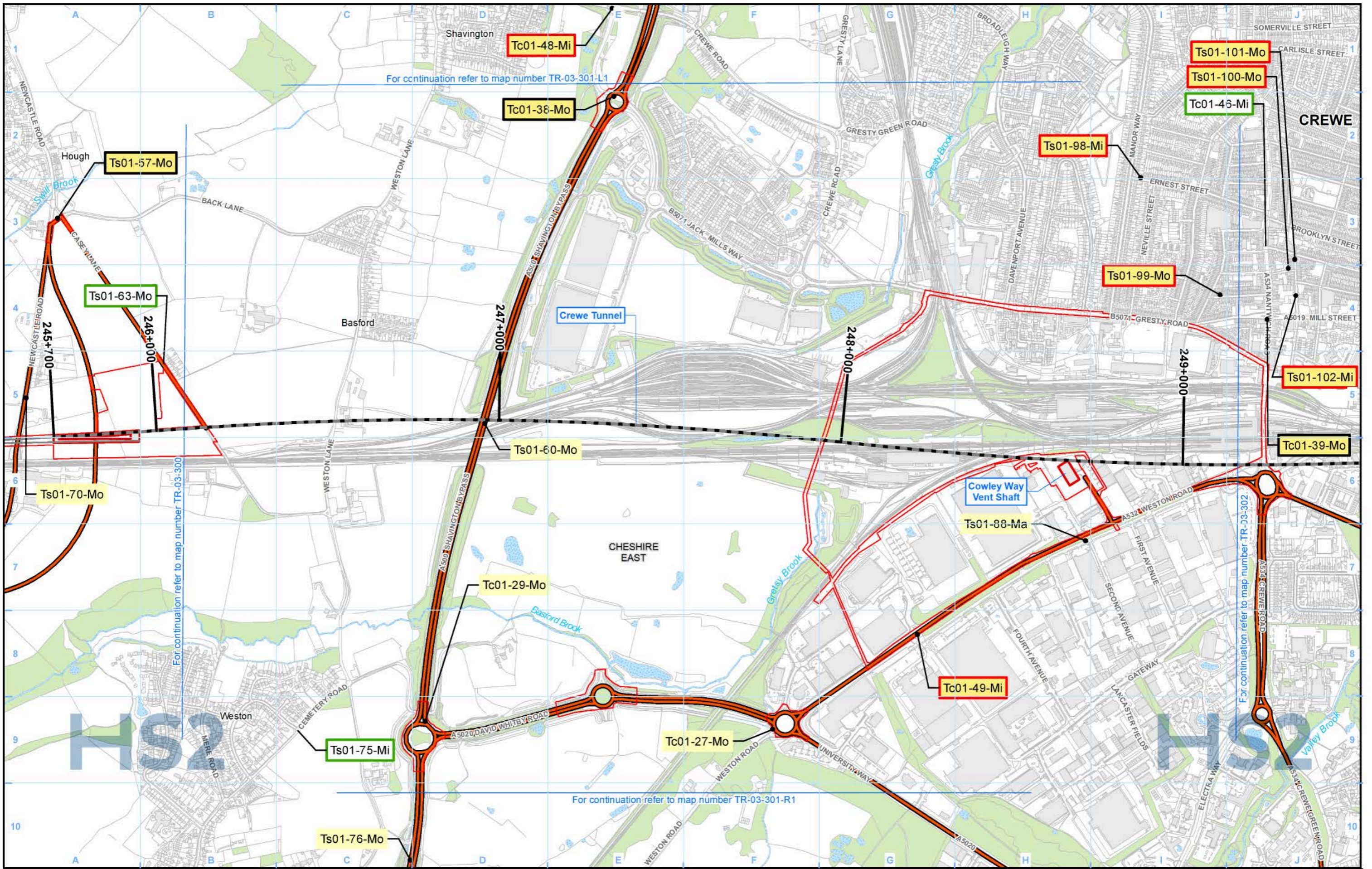
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Scale at A3: 1:10,000

Metres

Date: 03/05/23

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| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | | For full legend please refer to TR-03 legend page. | |
|--------|---|---|-----------------------|---|-----------------------|--|--|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent | | |
| | Route on surface | | Adverse, temporary | | Adverse, temporary | | |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary | | |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent | | |
| | Community area boundary | | | | | | |
| | County boundary | | | | | | |
| | District/Borough boundary | | | | | | |
| | Watercourse | | | | | | |
| | Water body | | | | | | |
| | Woodland | | | | | | |
| | Construction traffic routes | | | | | | |

| | |
|--|--|
| Map Number | TR-03-301 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area MA01: Hough to Walley's Green | |

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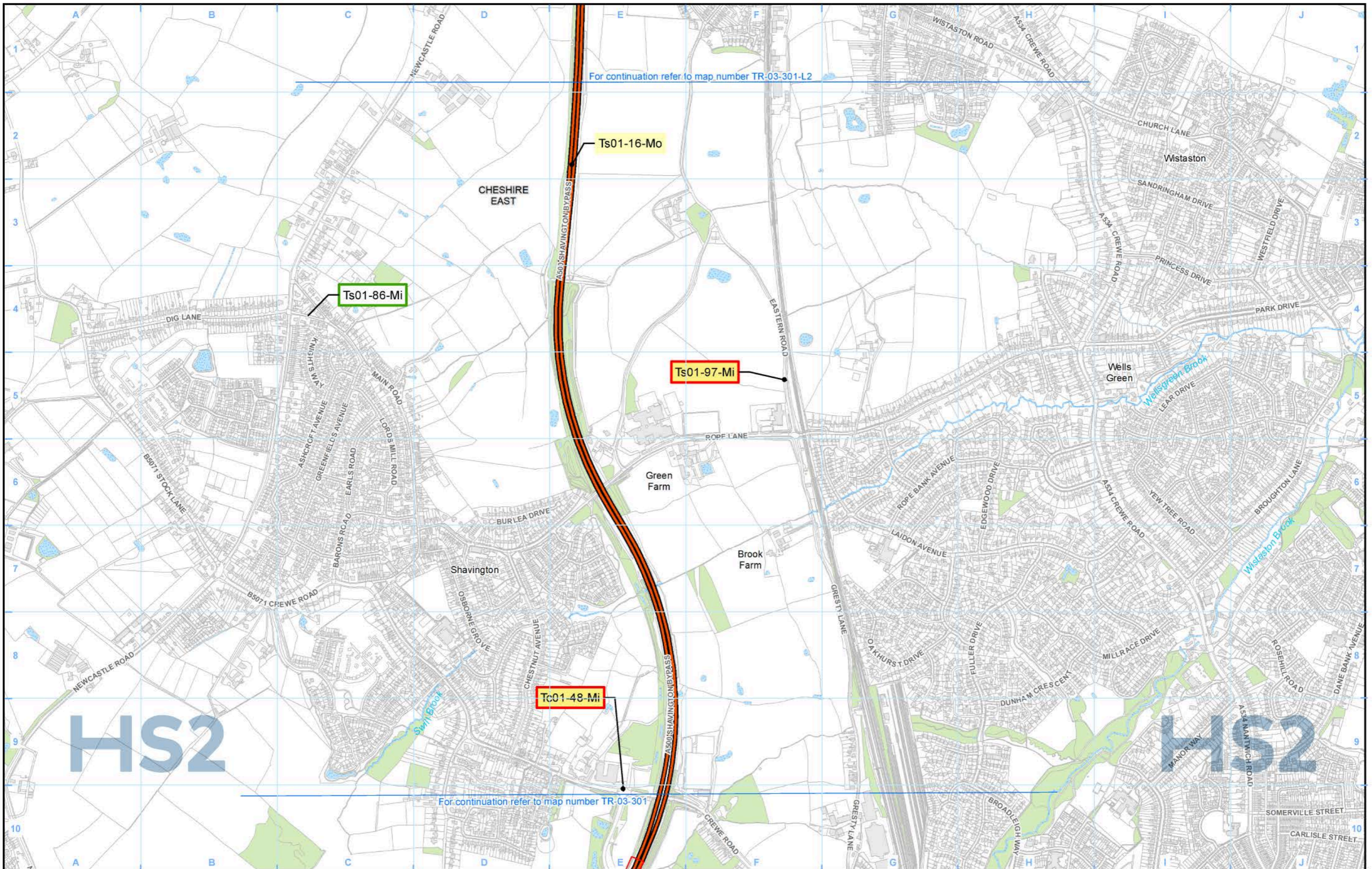
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For continuation refer to map number TR-03-301-L2

For continuation refer to map number TR-03-301

- 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
- Construction traffic routes

- Construction significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

- Construction significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-03 legend page.

Map Number: TR-03-301-L1

Map Name: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES

Community Area MA01: Hough to Walley's Green

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For continuation refer to map number TR-03-301-L1

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 Construction traffic routes | <p>Construction significant effects arising as a result of the current SES/AP:</p> <ul style="list-style-type: none"> Adverse, permanent Adverse, temporary Beneficial, temporary Beneficial, permanent | <p>Construction significant effects unchanged as a result of the current SES/AP:</p> <ul style="list-style-type: none"> Adverse, permanent Adverse, temporary Beneficial, temporary Beneficial, permanent | <p>For full legend please refer to TR-03 legend page.</p> |
|--|--|---|---|---|

| | |
|---|--|
| Map Number | TR-03-301-L2 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area MA01: Hough to Walley's Green | |

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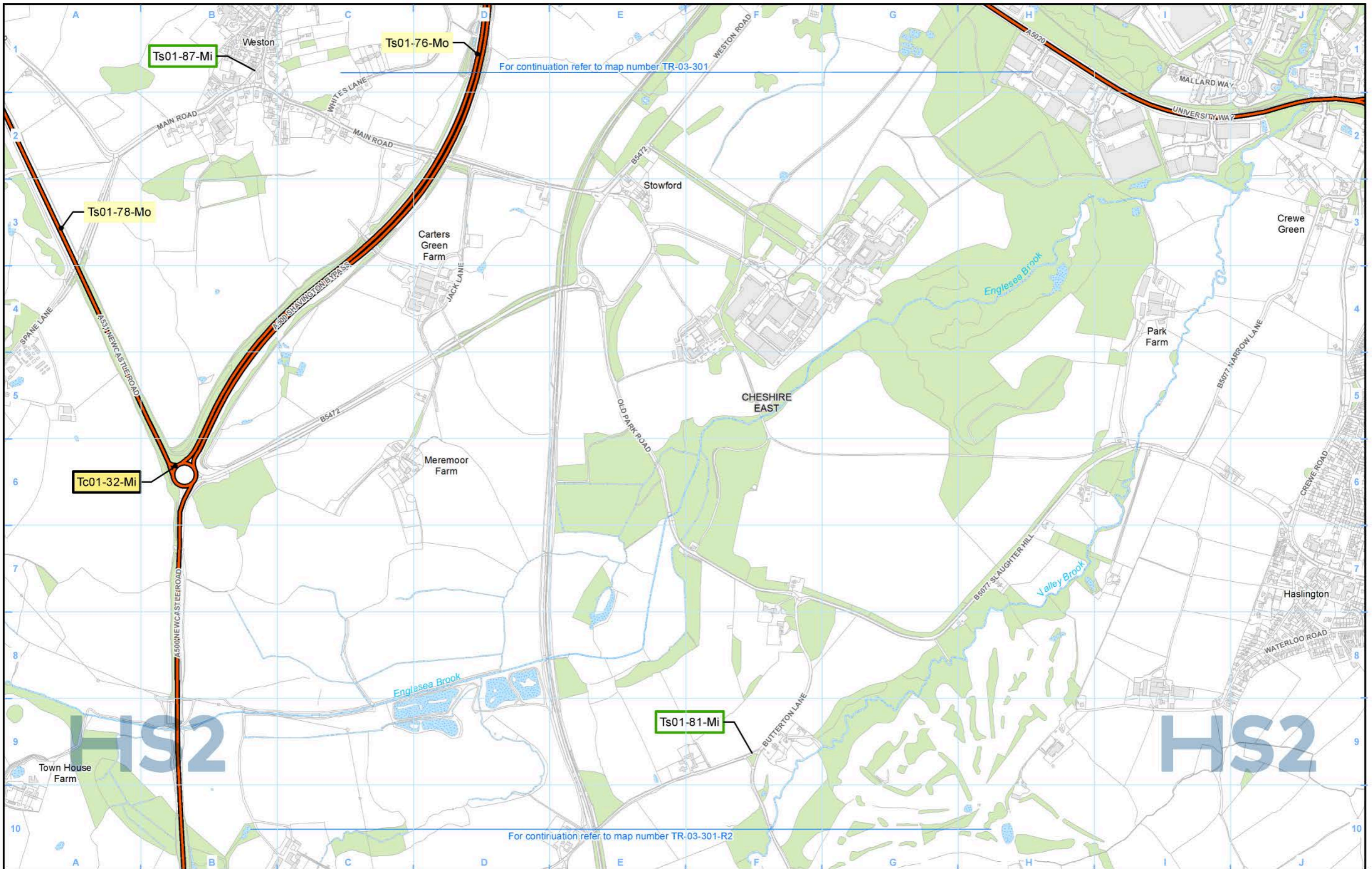
Doc Number: 2PT27-MWJ-EV-MAP-M000-002724-P01

Scale at A3: 1:10,000

Metres

Date: 03/05/23

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Legend

| | | | | |
|---|-----------------------------|--|--|--|
| Route in tunnel | Watercourse | Construction significant effects arising as a result of the current SES/AP: | Construction significant effects unchanged as a result of the current SES/AP: | For full legend please refer to TR-03 legend page. |
| Route on surface | Water body | Adverse, permanent | Adverse, permanent | |
| Depot, station, headhouse or portal building | Woodland | Adverse, temporary | Adverse, temporary | |
| Land potentially required during construction | Construction traffic routes | Beneficial, temporary | Beneficial, temporary | |
| Community area boundary | | Beneficial, permanent | Beneficial, permanent | |
| County boundary | | | | |
| District/Borough boundary | | | | |

| | |
|------------|--|
| Map Number | TR-03-301-R1 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA01: Hough to Walley's Green |

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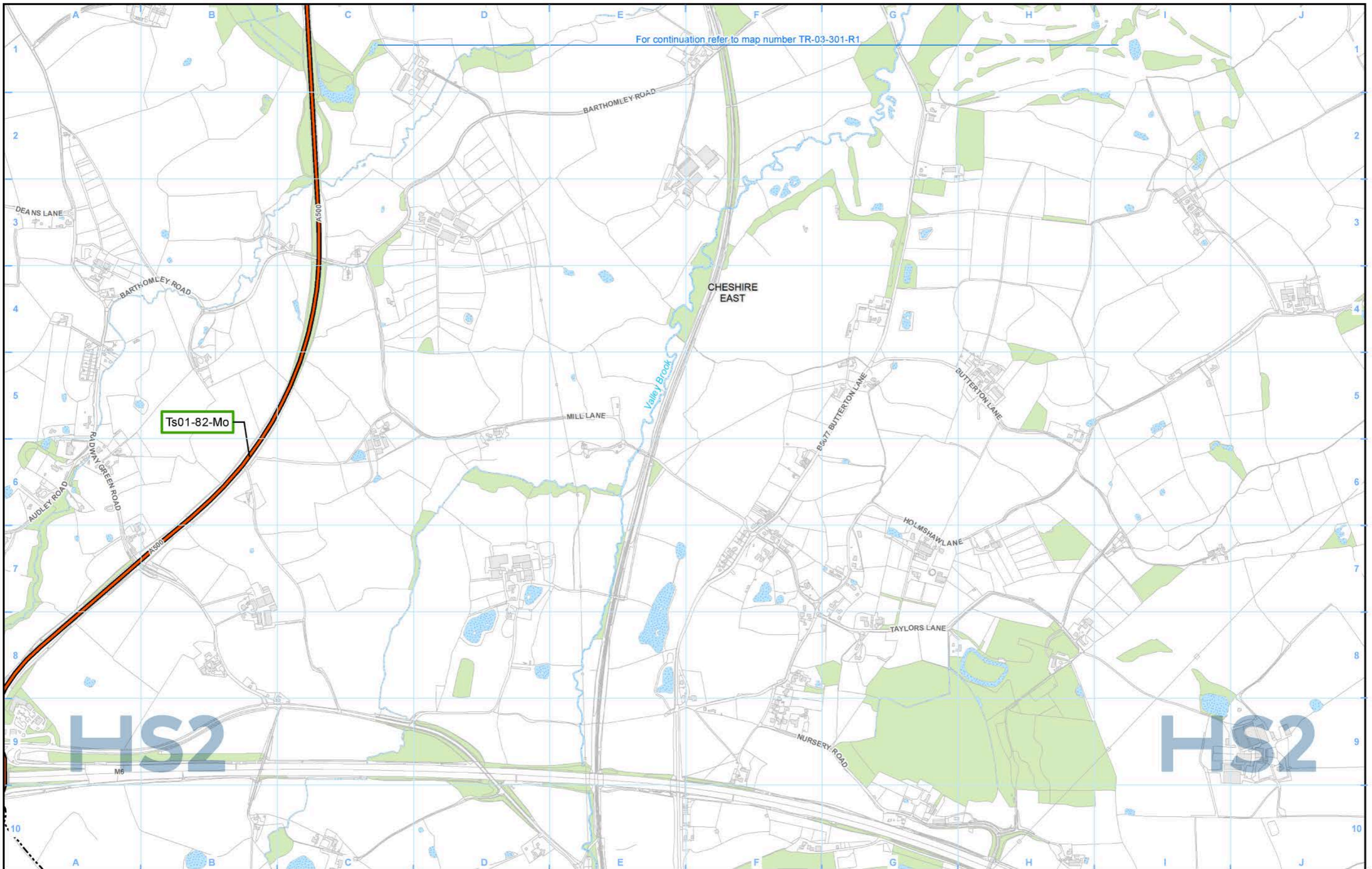
Doc Number: 2PT27-MWJ-EV-MAP-M000-002722-P01

Scale at A3: 1:10,000

Metres

Date: 03/05/23

For continuation refer to map number TR-03-301-R1



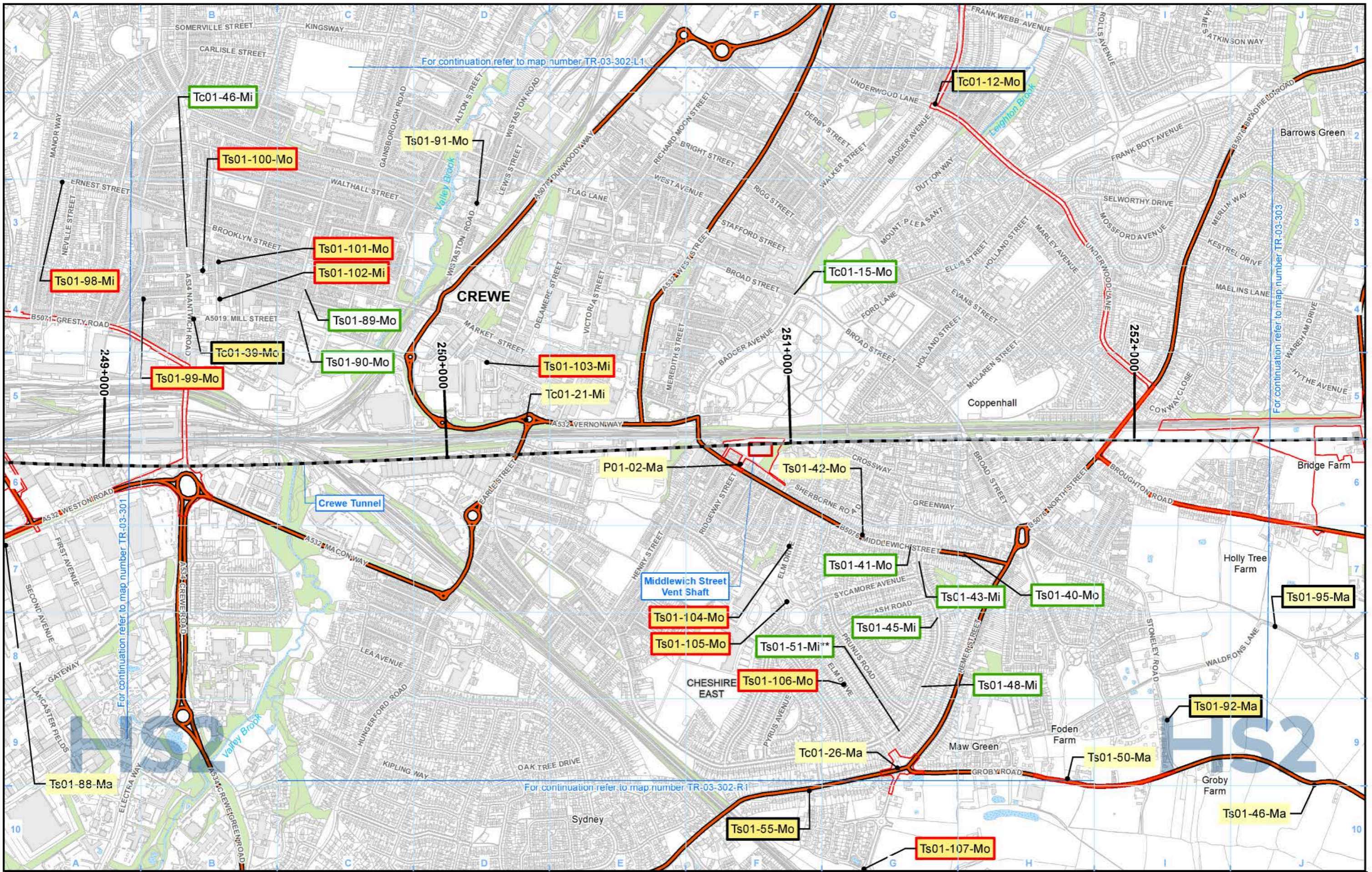
Legend

- 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
 - Construction traffic routes
- | | |
|---|---|
| <p>Construction significant effects arising as a result of the current SES/AP:</p> <ul style="list-style-type: none"> Adverse, permanent Adverse, temporary Beneficial, temporary Beneficial, permanent | <p>Construction significant effects unchanged as a result of the current SES/AP:</p> <ul style="list-style-type: none"> Adverse, permanent Adverse, temporary Beneficial, temporary Beneficial, permanent |
|---|---|
- For full legend please refer to TR-03 legend page.

| | |
|------------|---|
| Map Number | TR-03-301-R2 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA01: Hough to Walley's Green |

| | | |
|---|---|--|
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|---|---|--|

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For continuation refer to map number TR-03-302-L1

For continuation refer to map number TR-03-303

For continuation refer to map number TR-03-301

For continuation refer to map number TR-03-302-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
 - Construction traffic routes

- Construction significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

- Construction significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-03 legend page.

Map Number: TR-03-302

Map Name: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES

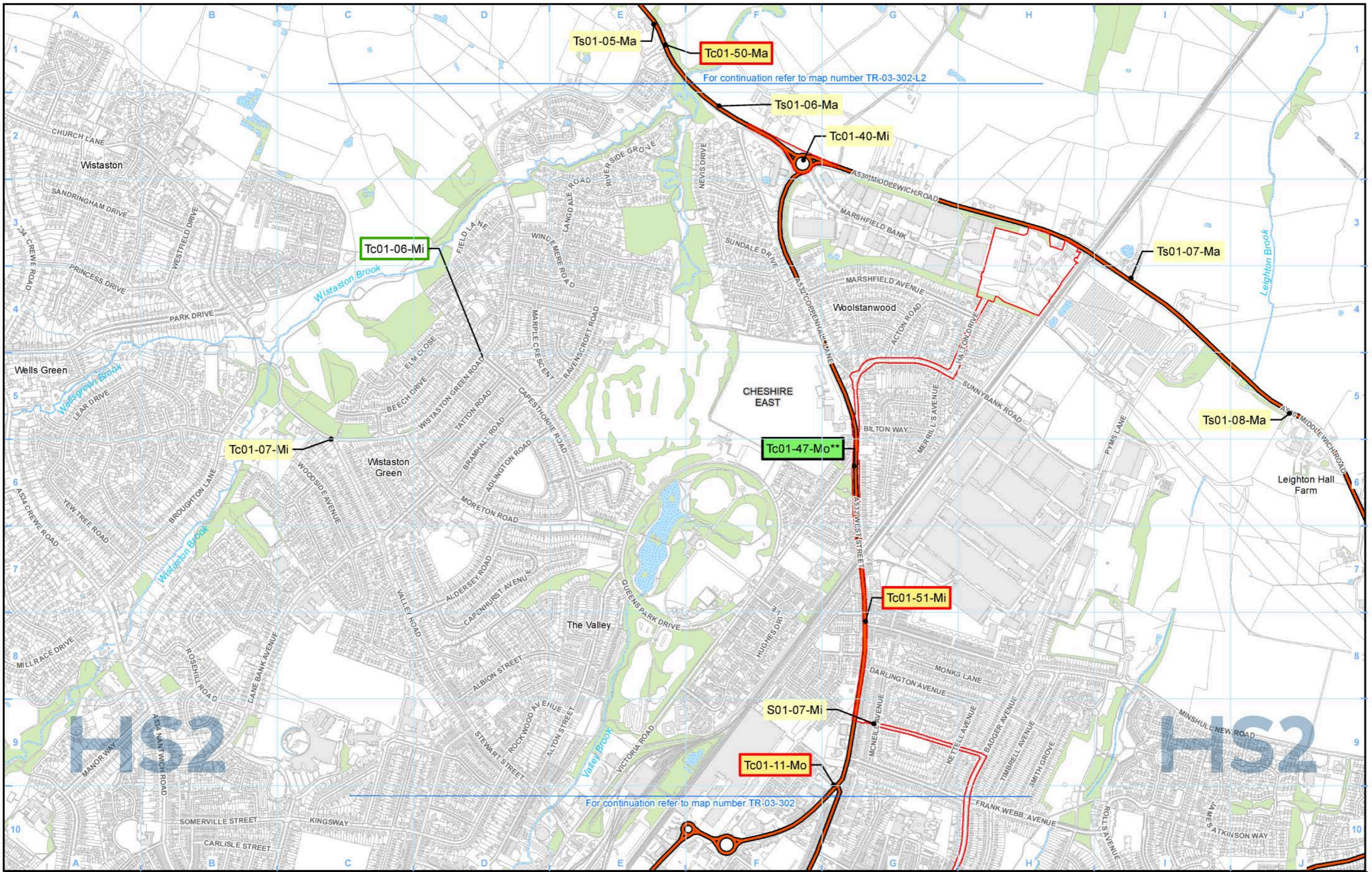
Community Area MA01: Hough to Walley's Green

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Doc Number: 2PT27-MWJ-EV-MAP-M000-002144-P01 Date: 03/05/23



| | | | | |
|---------------|---|--|---|--|
| 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 Construction significant effects arising as a result of the current SES/AP: <ul style="list-style-type: none"> Adverse, permanent Adverse, temporary Beneficial, temporary Beneficial, permanent | <ul style="list-style-type: none"> Construction significant effects unchanged as a result of the current SES/AP: <ul style="list-style-type: none"> Adverse, permanent Adverse, temporary Beneficial, temporary Beneficial, permanent | For full legend please refer to TR-03 legend page. |
|---------------|---|--|---|--|

| | |
|------------|--|
| Map Number | TR-03-302-L1 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA01: Hough to Walley's Green |

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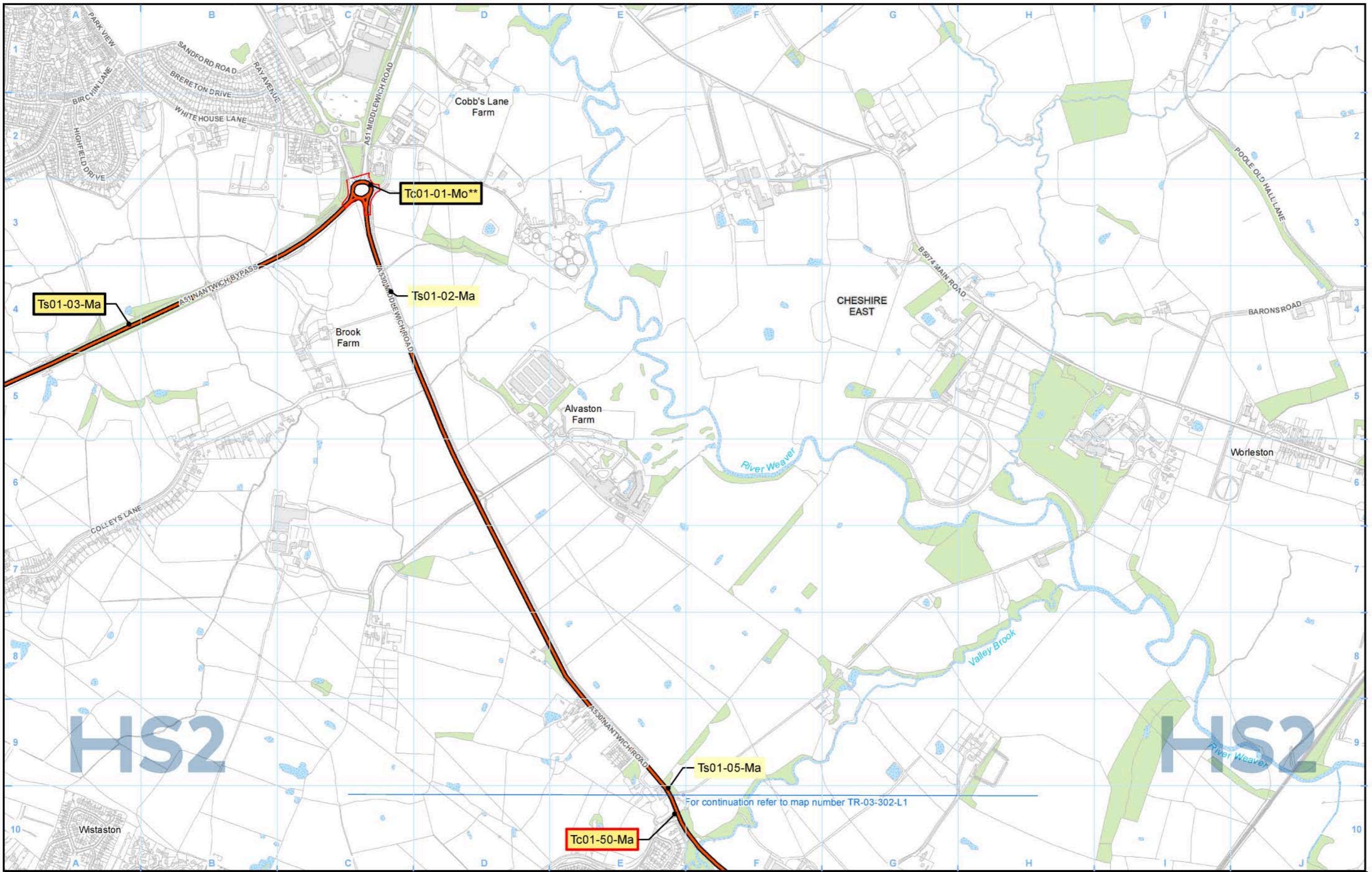
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Scale at A3: 1:10,000

Metres

Date: 03/05/23



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 Construction traffic routes | <p>Construction significant effects arising as a result of the current SES/AP:</p> <ul style="list-style-type: none"> Adverse, permanent Adverse, temporary Beneficial, temporary Beneficial, permanent | <p>Construction significant effects unchanged as a result of the current SES/AP:</p> <ul style="list-style-type: none"> Adverse, permanent Adverse, temporary Beneficial, temporary Beneficial, permanent | <p>For full legend please refer to TR-03 legend page.</p> |
|--|--|---|---|---|

Map Number: **TR-03-302-L2**

Map Name: **Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES**

Community Area MA01: **Hough to Walley's Green**

HS2

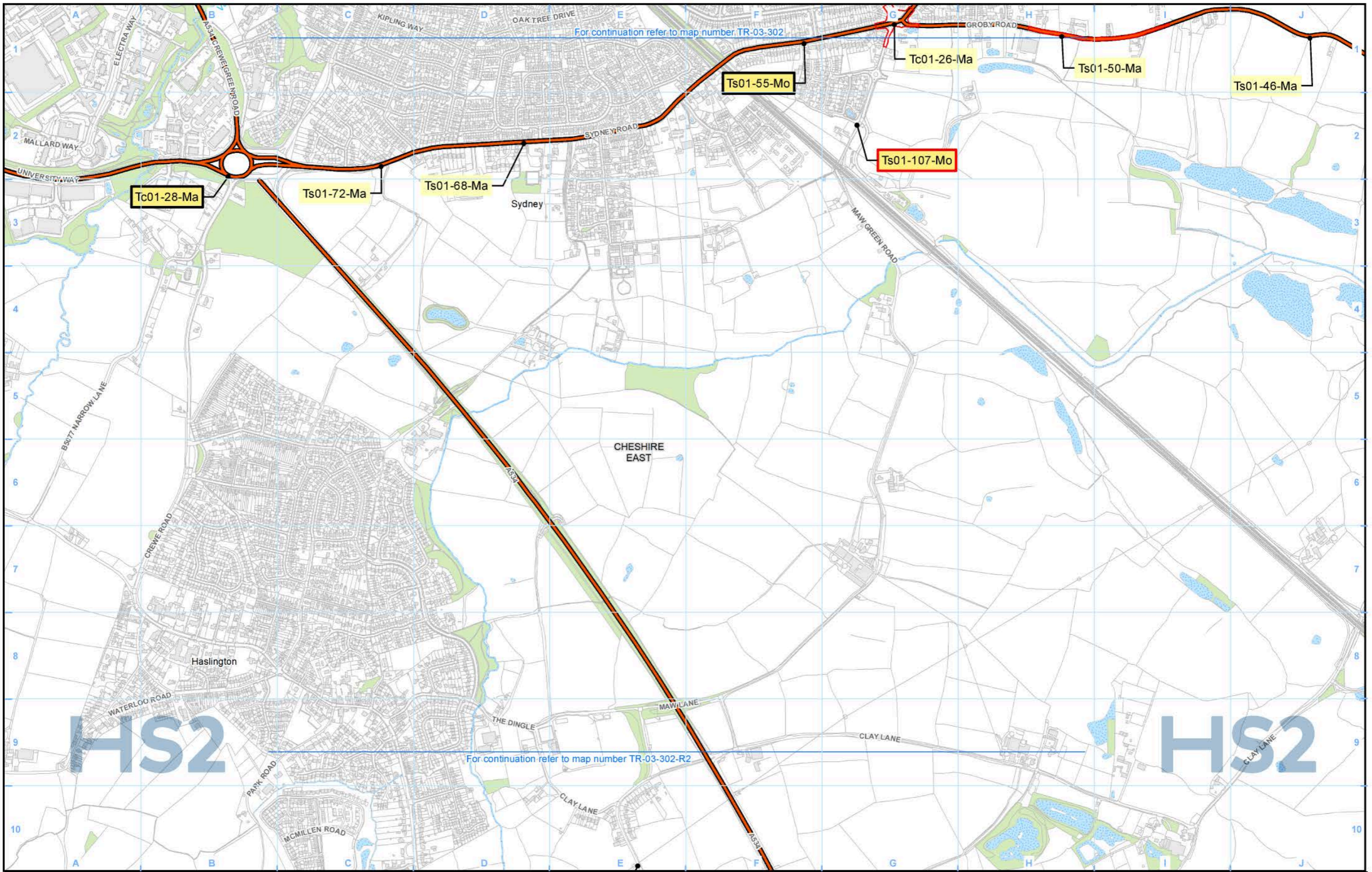
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For continuation refer to map number TR-03-302

For continuation refer to map number TR-03-302-R2

| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | | For full legend please refer to TR-03 legend page. | |
|--------|---|---|-----------------------------|---|-----------------------|--|-----------------------|
| | Route in tunnel | | Watercourse | | Adverse, permanent | | Adverse, permanent |
| | Route on surface | | Water body | | Adverse, temporary | | Adverse, temporary |
| | Depot, station, headhouse or portal building | | Woodland | | Beneficial, temporary | | Beneficial, temporary |
| | Land potentially required during construction | | Construction traffic routes | | Beneficial, permanent | | Beneficial, permanent |
| | Community area boundary | | | | | | |
| | County boundary | | | | | | |
| | District/Borough boundary | | | | | | |

| | |
|------------|--|
| Map Number | TR-03-302-R1 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA01: Hough to Walley's Green |

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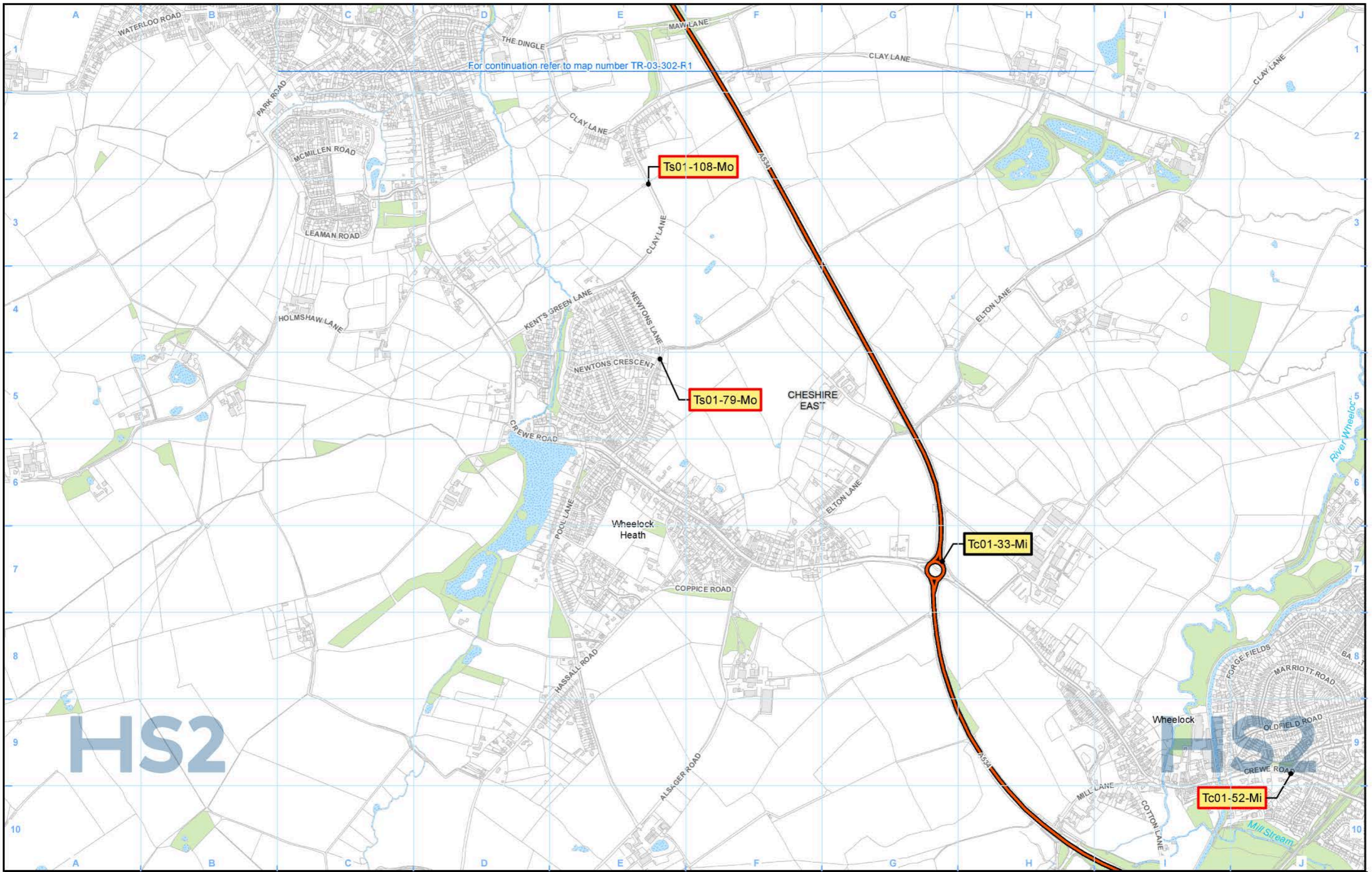
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Metres

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For continuation refer to map number TR-03-302-R1

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
- Construction traffic routes

- Construction significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

- Construction significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-03 legend page.

Map Number: TR-03-302-R2

Map Name: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES

Community Area MA01: Hough to Walley's Green

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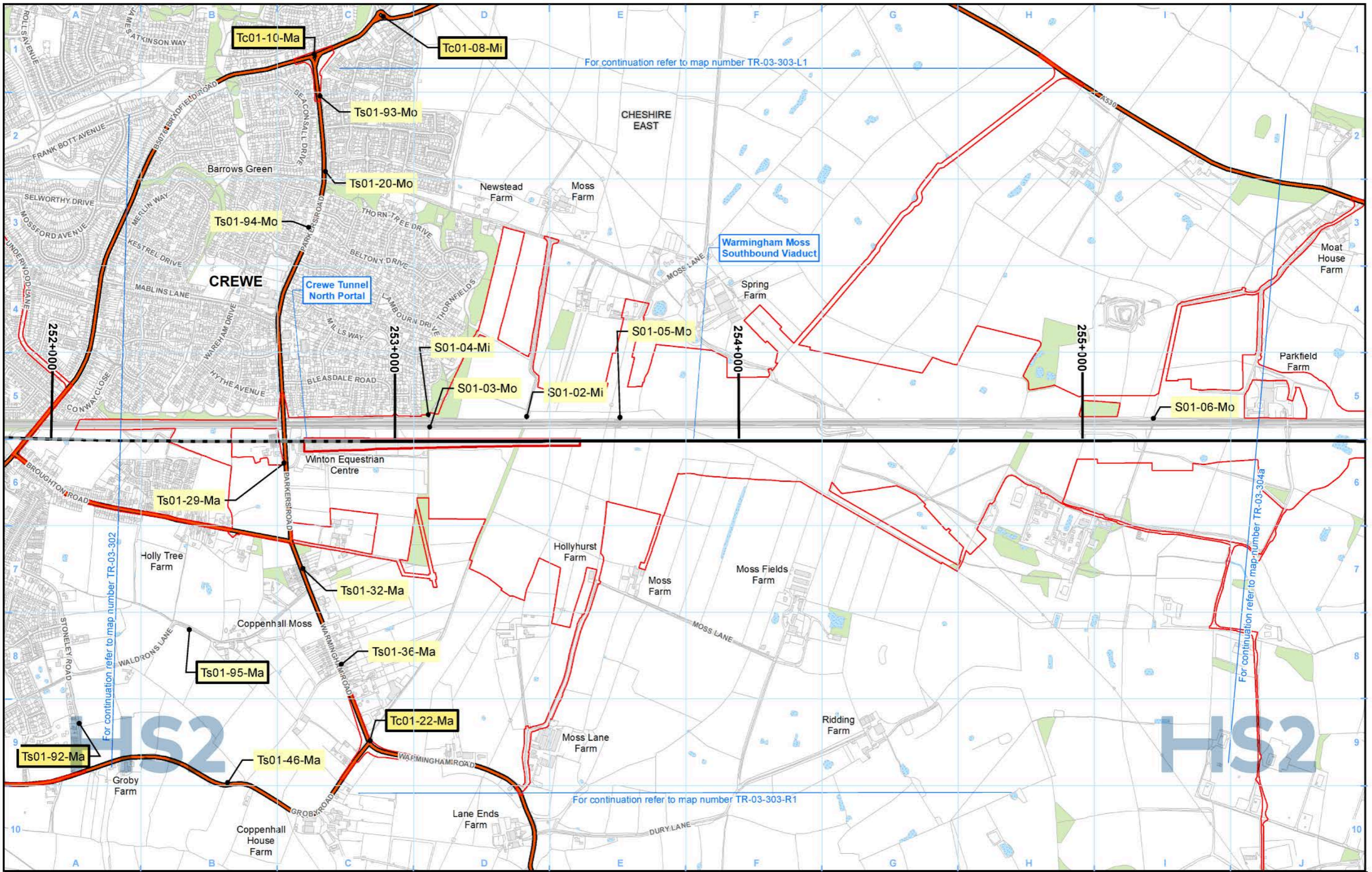
Metres

Tc01-52-Mi

Tc01-33-Mi

Ts01-79-Mo

Ts01-108-Mo



For continuation refer to map number TR-03-303-L1

For continuation refer to map number TR-03-302

For continuation refer to map number TR-03-303a

For continuation refer to map number TR-03-303-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
- Construction traffic routes

- Construction significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

- Construction significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- For full legend please refer to TR-03 legend page.

Map Number: TR-03-303

Map Name: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES

Community Area MA01: Hough to Walley's Green

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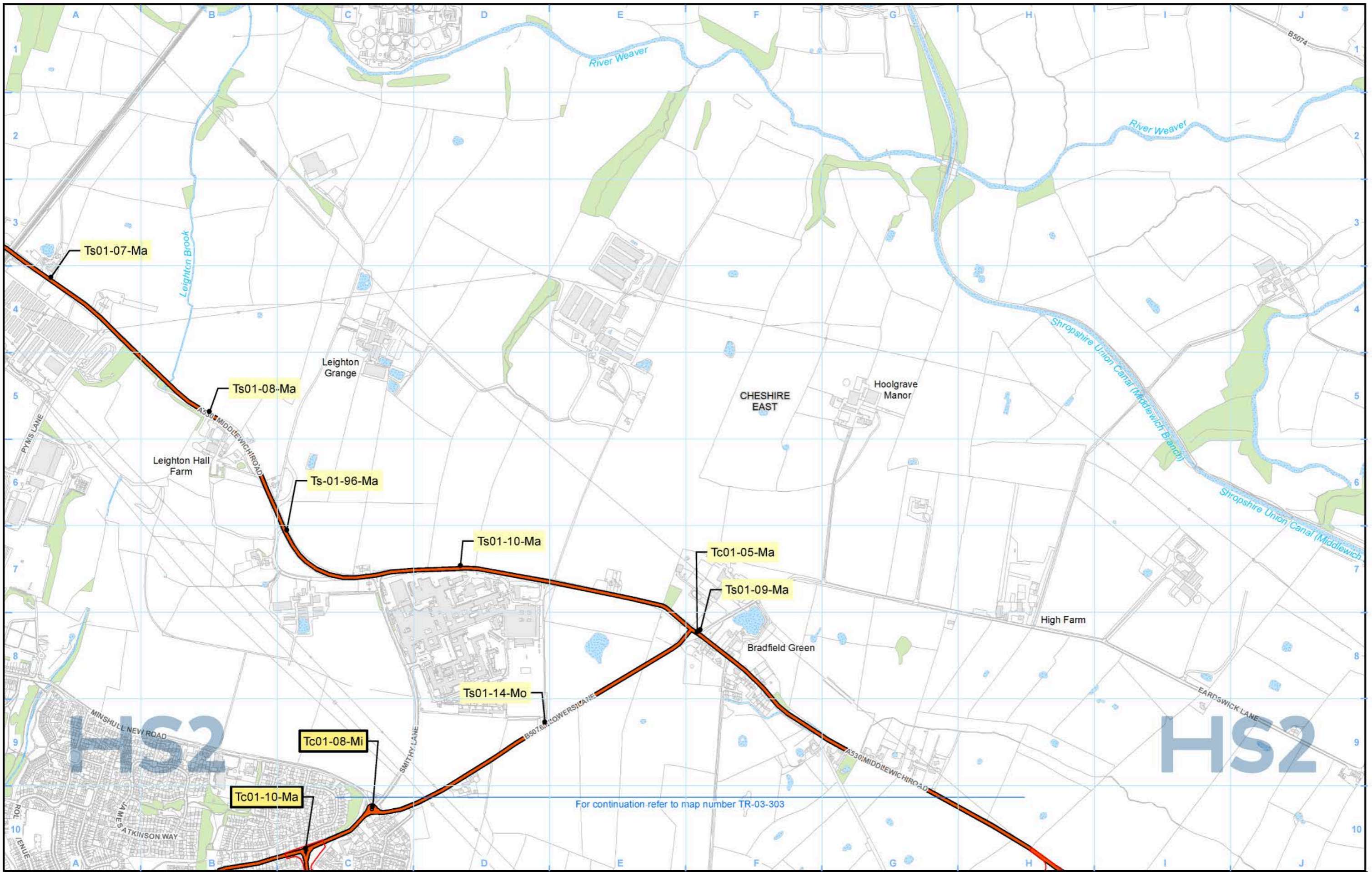
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Date: 03/05/23

Scale at A3: 1:10,000

Metres



For continuation refer to map number TR-03-303

- 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
- Woodland
- Construction traffic routes

- Construction significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

- Construction significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-03 legend page.

Map Number: **TR-03-303-L1**

Map Name: **Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES**

Community Area MA01: **Hough to Walley's Green**

Hs2

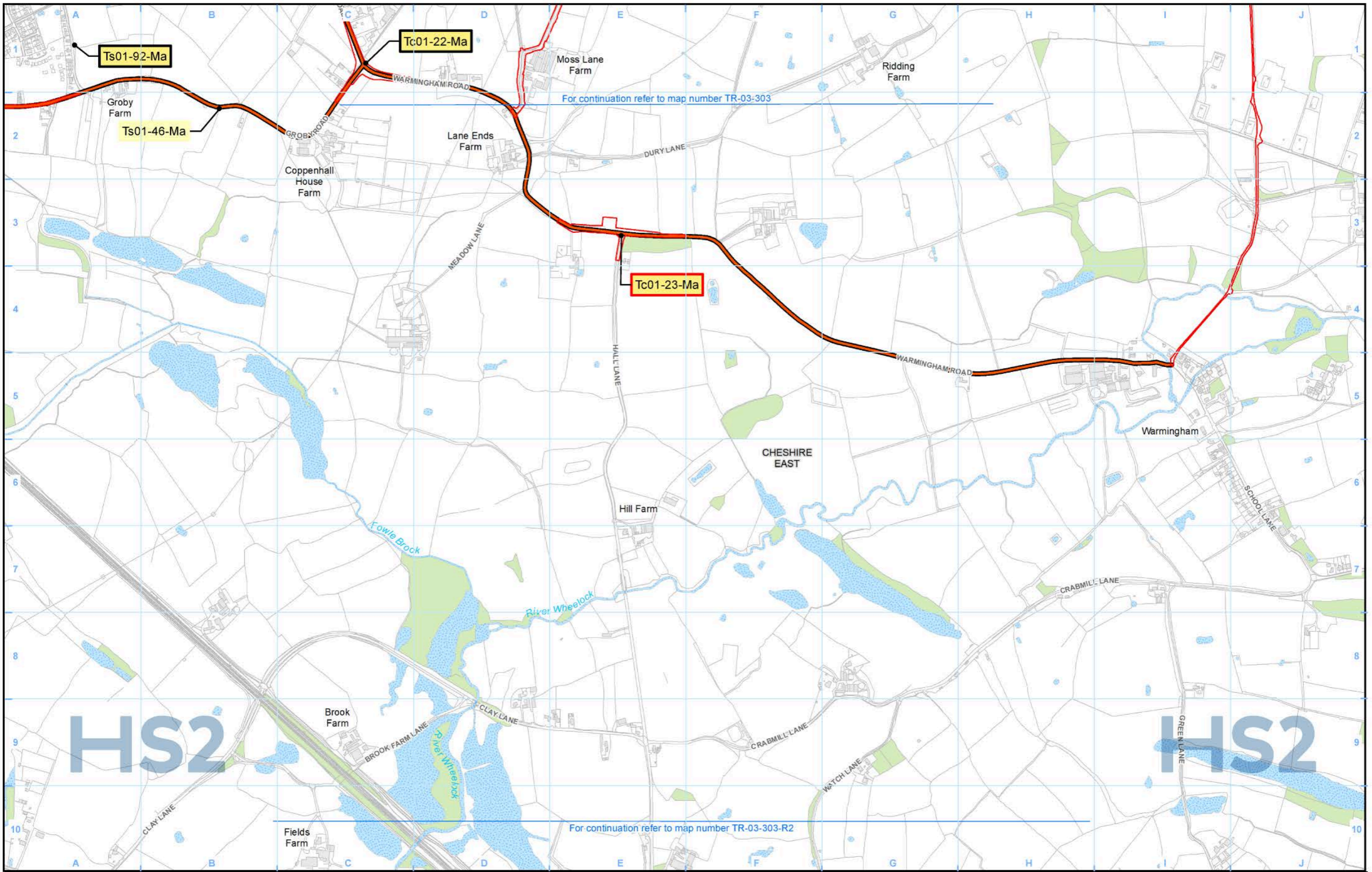
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Date: 03/05/23

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Legend

| | | | | |
|---|-----------------------------|--|--|--|
| Route in tunnel | Watercourse | Construction significant effects arising as a result of the current SES/AP: | Construction significant effects unchanged as a result of the current SES/AP: | For full legend please refer to TR-03 legend page. |
| Route on surface | Water body | Adverse, permanent | Adverse, permanent | |
| Depot, station, headhouse or portal building | Woodland | Adverse, temporary | Adverse, temporary | |
| Land potentially required during construction | Construction traffic routes | Beneficial, temporary | Beneficial, temporary | |
| Community area boundary | | Beneficial, permanent | Beneficial, permanent | |
| County boundary | | | | |
| District/Borough boundary | | | | |

| | |
|------------|--|
| Map Number | TR-03-303-R1 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA01: Hough to Walley's Green |

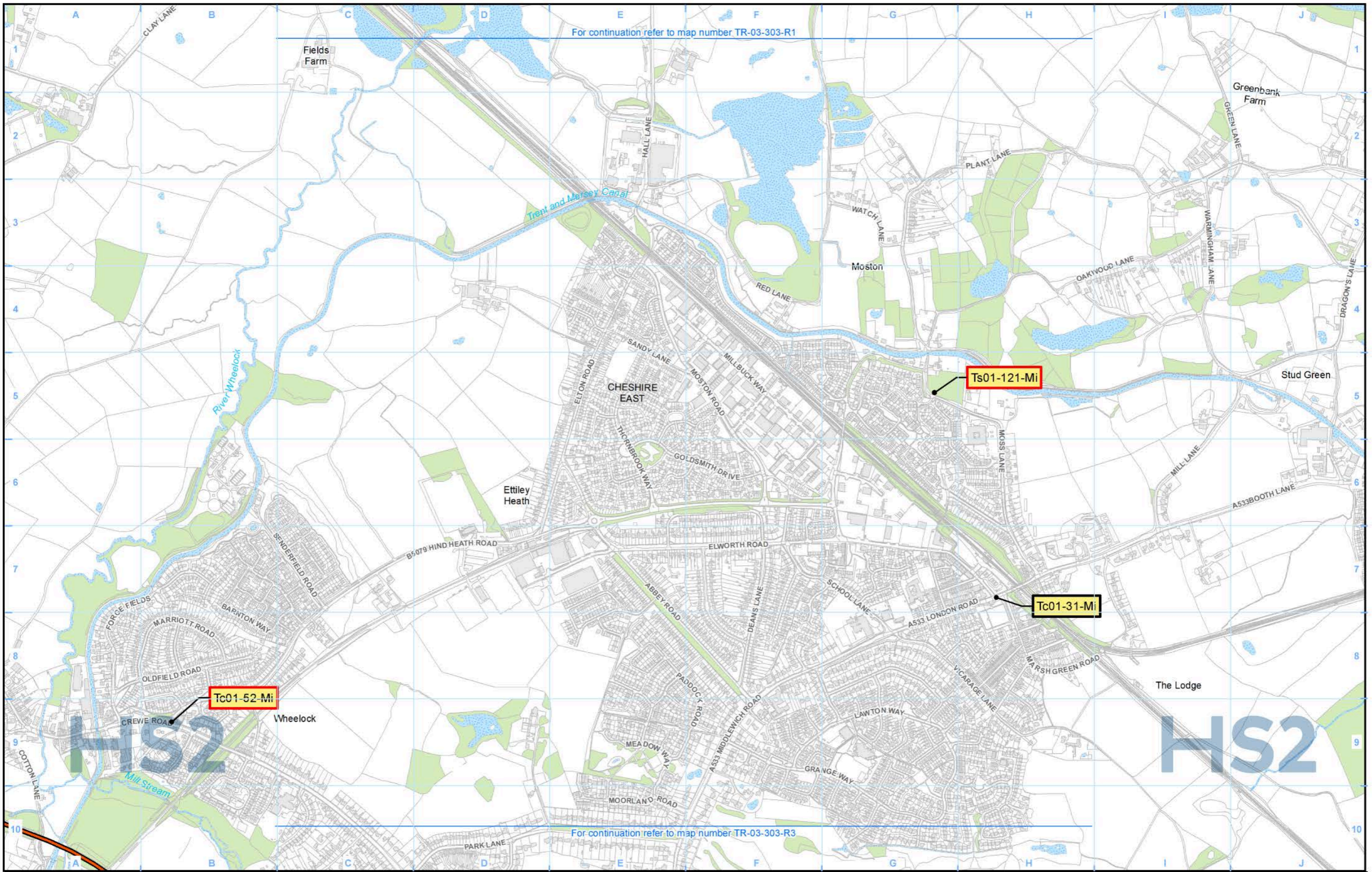
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For continuation refer to map number TR-03-303-R1

For continuation refer to map number TR-03-303-R3

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 |
| | Construction traffic routes |

| | | | |
|---|-----------------------|---|-----------------------|
| Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | |
| | Adverse, permanent | | Adverse, permanent |
| | Adverse, temporary | | Adverse, temporary |
| | Beneficial, temporary | | Beneficial, temporary |
| | Beneficial, permanent | | Beneficial, permanent |

For full legend please refer to TR-03 legend page.

| | |
|---|--|
| Map Number | TR-03-303-R2 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area MA01: Hough to Walley's Green | |

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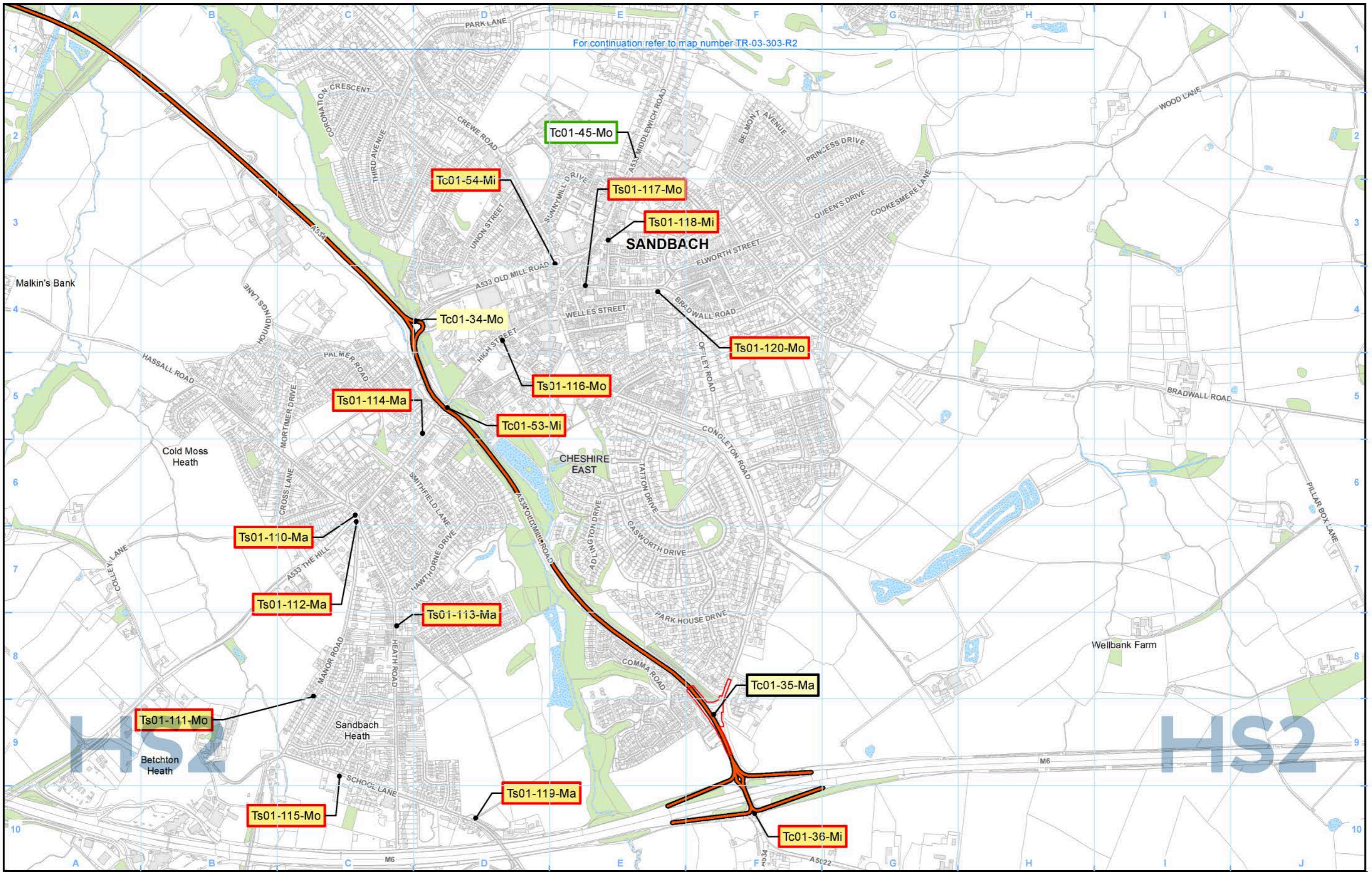
Date: 03/05/23

Scale at A3: 1:10,000

Metres

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For continuation refer to map number TR-03-303-R2



Legend

| | | | | |
|---|-----------------------------|--|--|--|
| Route in tunnel | Watercourse | Construction significant effects arising as a result of the current SES/AP: | Construction significant effects unchanged as a result of the current SES/AP: | For full legend please refer to TR-03 legend page. |
| Route on surface | Water body | Adverse, permanent | Adverse, permanent | |
| Depot, station, headhouse or portal building | Woodland | Adverse, temporary | Adverse, temporary | |
| Land potentially required during construction | Construction traffic routes | Beneficial, temporary | Beneficial, temporary | |
| Community area boundary | | Beneficial, permanent | Beneficial, permanent | |
| County boundary | | | | |
| District/Borough boundary | | | | |

Map Number: **TR-03-303-R3**

Map Name: **Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES**

Community Area MA01: **Hough to Walley's Green**

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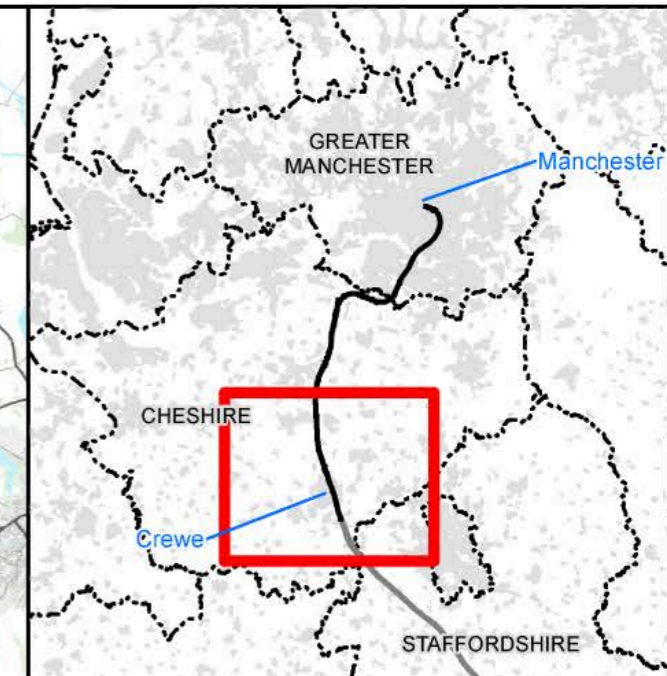
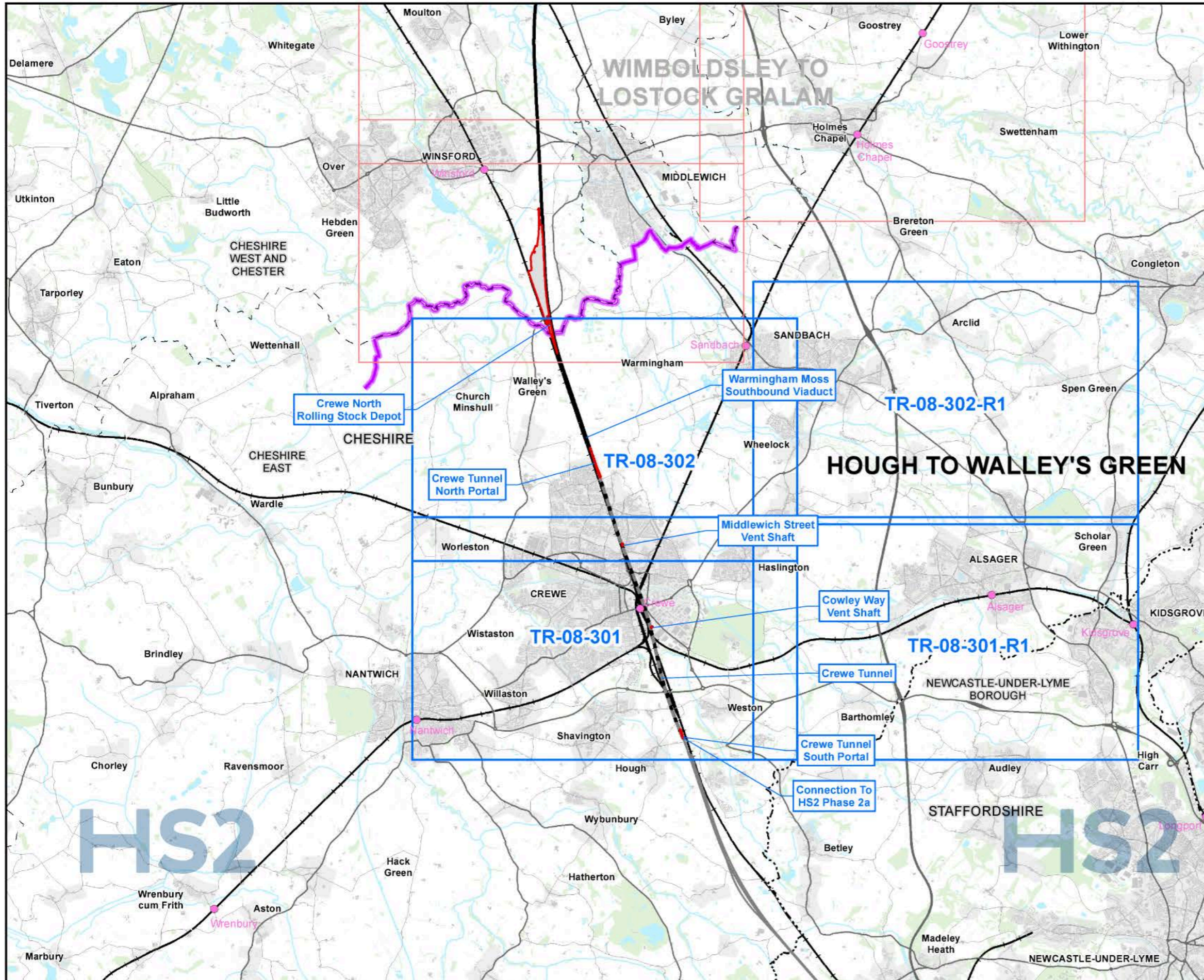
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Map Series Information:

This map series identifies the construction routes to the strategic network for each CA. This shows the construction and site-haul routes from each compound and the through routes for both construction and site-haul. The maps also show the locations of the construction compound.

- Main Map Legend**
- Route in tunnel; Underground Box
 - 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: TR-08-INDEX-MA01

Map Name: Index Map of: Construction Routes to the Strategic Network SES2 and AP2 ES
Community Area MA01: Hough to Walley's Green

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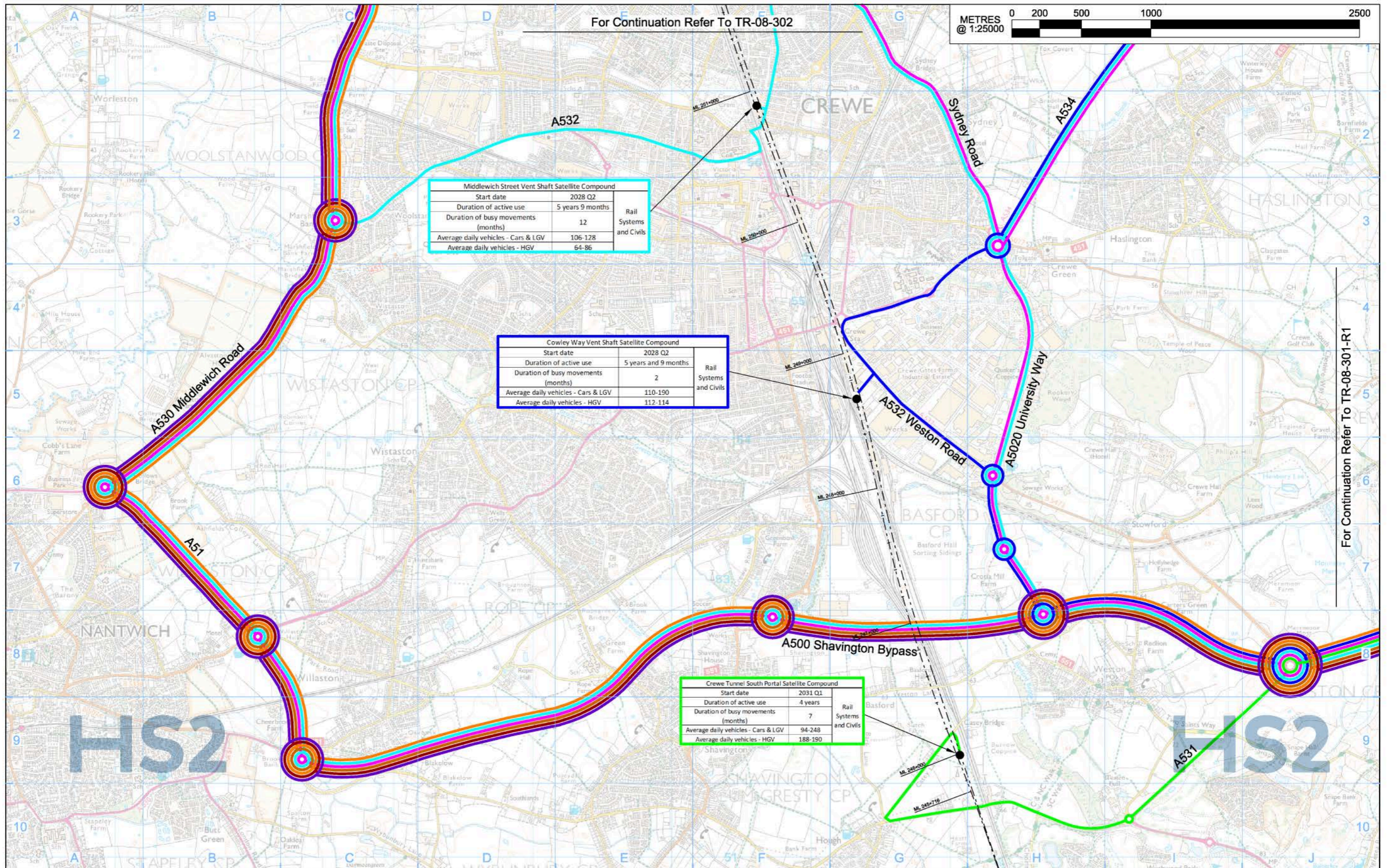
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Doc Number: 2PT27-MWJ-EV-MAP-M000-002235-P01

Date: 29/03/23

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



For Continuation Refer To TR-08-302



| Middlewich Street Vent Shaft Satellite Compound | | Rail Systems and Civils |
|---|------------------|-------------------------|
| Start date | 2028 Q2 | |
| Duration of active use | 5 years 9 months | |
| Duration of busy movements (months) | 12 | |
| Average daily vehicles - Cars & LGV | 106-128 | |
| Average daily vehicles - HGV | 64-86 | |

| Cowley Way Vent Shaft Satellite Compound | | Rail Systems and Civils |
|--|----------------------|-------------------------|
| Start date | 2028 Q2 | |
| Duration of active use | 5 years and 9 months | |
| Duration of busy movements (months) | 2 | |
| Average daily vehicles - Cars & LGV | 110-190 | |
| Average daily vehicles - HGV | 112-114 | |

| Crewe Tunnel South Portal Satellite Compound | | Rail Systems and Civils |
|--|---------|-------------------------|
| Start date | 2031 Q1 | |
| Duration of active use | 4 years | |
| Duration of busy movements (months) | 7 | |
| Average daily vehicles - Cars & LGV | 94-248 | |
| Average daily vehicles - HGV | 188-190 | |

For Continuation Refer To TR-08-301-R1

Legend

- Compound Traffic Routes
- Site Haul to Compound
- Through Construction Traffic Routes (To/From Other Scheme Compounds)
- HS2 Route
- Onward Construction Routes
- Community Area boundary
- Through Site Haul to Compound (To/From Other Scheme Compounds)
- Movement of Excavated Material
- Construction Compounds

Rail system compounds are shown where they are likely to generate more than 24 HGV movements a day in the peak month (average two-way) or are associated with a construction civil engineering works compound
For TR08 drawing route see 2D301-MWJ-TM-DPL-M002-300000

The compound start dates and estimated duration of active use are based on the Indicative Construction Programme included in the volume 2 Community Area reports.
Traffic figures represent two way trips.

Map Number: **TR-08-301**

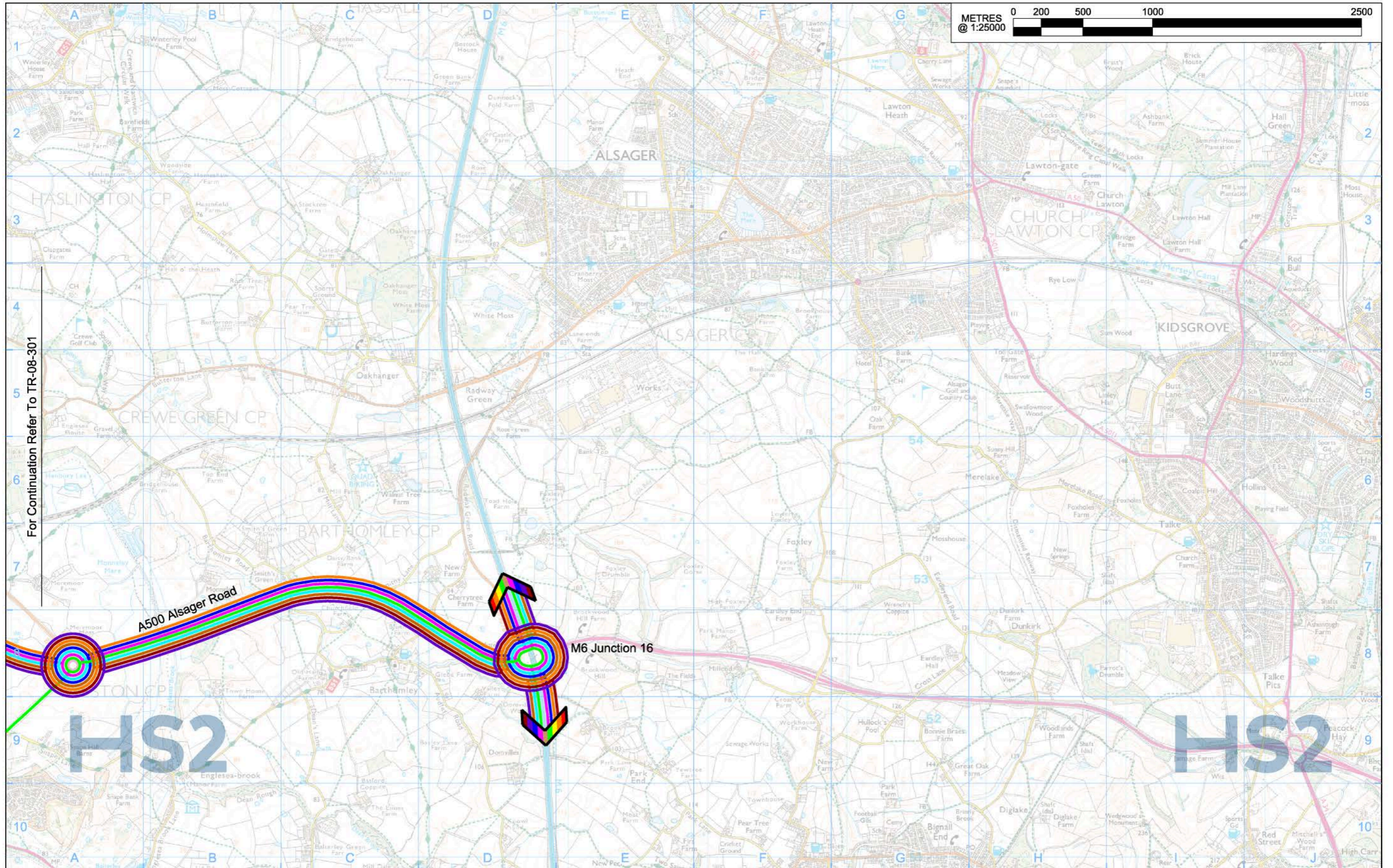
Map Name: **Construction Routes to the Strategic Road Network**

Community Area: **MA01 Hough to Walley's Green**

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Legend

| | | | | | |
|--|--|--|----------------------------|--|--|
| | Compound Traffic Routes | | HS2 Route | | Through Site Haul to Compound (To/From Other Scheme Compounds) |
| | Site Haul to Compound | | Onward Construction Routes | | Movement of Excavated Material |
| | Through Construction Traffic Routes (To/From Other Scheme Compounds) | | Community Area boundary | | Construction Compounds |

Rail system compounds are shown where they are likely to generate more than 24 HGV movements a day in the peak month (average two-way) or are associated with a construction civil engineering works compound
 For TR08 drawing route see 2D301-MWJ-TM-DPL-M002-300000

The compound start dates and estimated duration of active use are based on the Indicative Construction Programme included in the volume 2 Community Area reports.
 Traffic figures represent two way trips.

Map Number **TR-08-301-R1**

Map Name **Construction Routes to the Strategic Road Network**

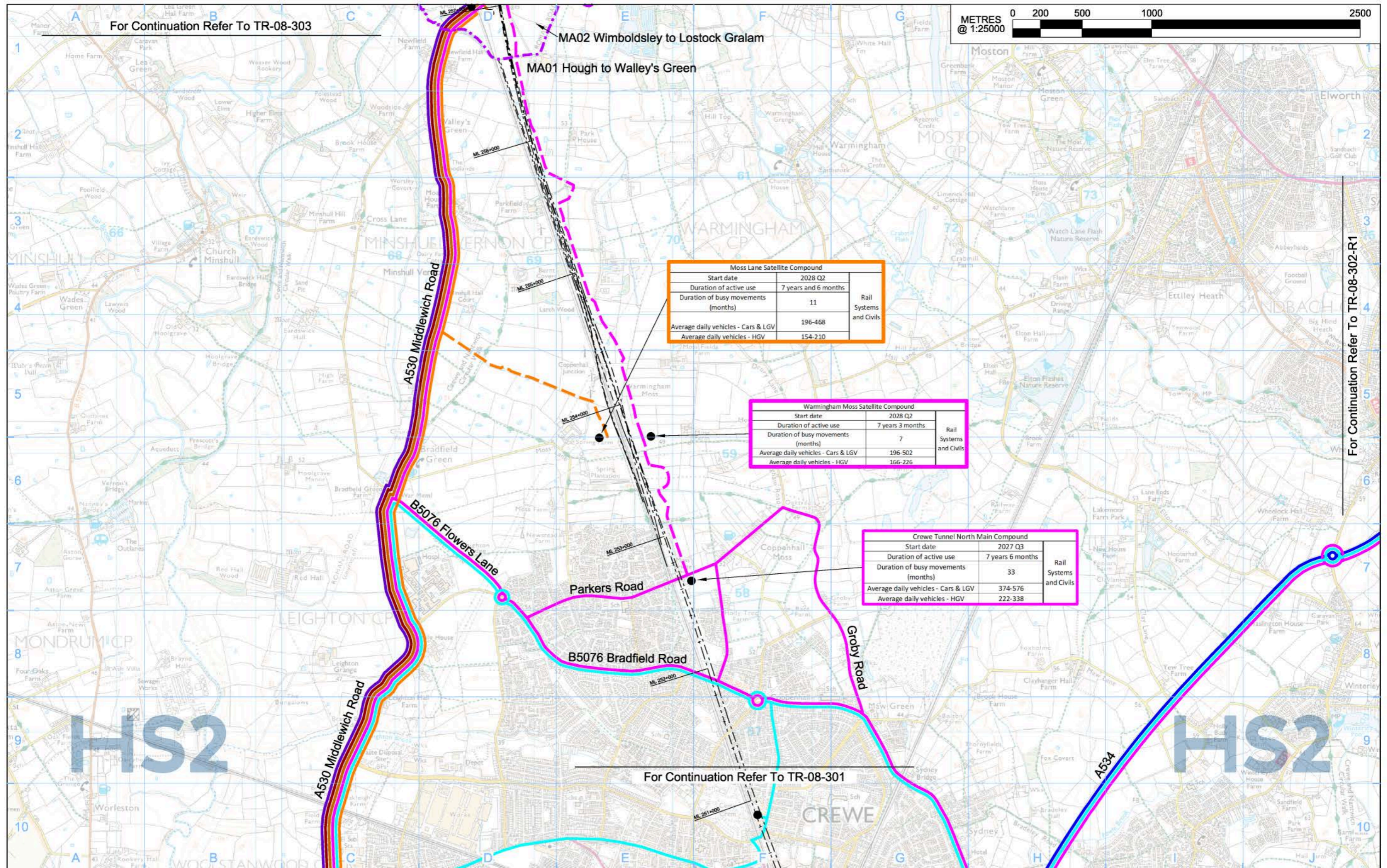
Community Area **MA01 Hough to Walley's Green**

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Legend

- Compound Traffic Routes
- Site Haul to Compound
- Through Construction Traffic Routes (To/From Other Scheme Compounds)
- HS2 Route
- Onward Construction Routes
- Community Area boundary
- Through Site Haul to Compound (To/From Other Scheme Compounds)
- Movement of Excavated Material
- Construction Compounds

The compound start dates and estimated duration of active use are based on the Indicative Construction Programme included in the volume 2 Community Area reports.

Traffic figures represent two way trips.

Map Number: TR-08-302

Map Name: Construction Routes to the Strategic Road Network

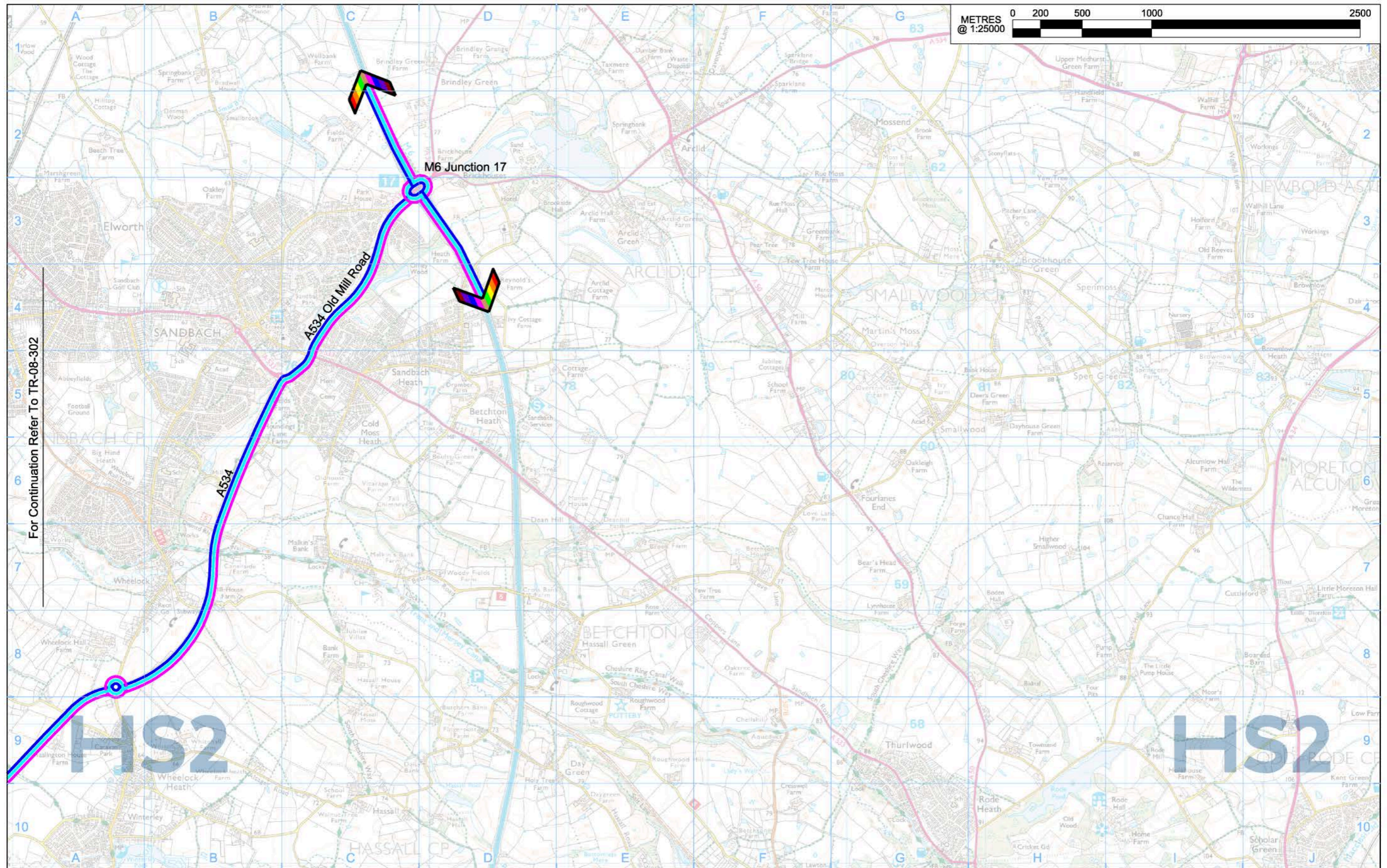
Community Area: MA01 Hough to Walley's Green

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For Continuation Refer To TR-08-302

| | | | | |
|---|--|---|--|--|
| Legend Compound Traffic Routes Site Haul to Compound Through Construction Traffic Routes (To/From Other Scheme Compounds) HS2 Route Onward Construction Routes Community Area boundary Through Site Haul to Compound (To/From Other Scheme Compounds) Movement of Excavated Material Construction Compounds | | The compound start dates and estimated duration of active use are based on the Indicative Construction Programme included in the volume 2 Community Area reports. Traffic figures represent two way trips. | Map Number TR-08-302-R1 Map Name Construction Routes to the Strategic Road Network Community Area MA01 Hough to Walley's Green | Registered in England Registration No. 06791886 Registered office 2 Snow Hill, Queensway, Birmingham, B4 6QA © Crown copyright and database rights 2022. Ordnance Survey Licence Number 100049190. Doc Number: 2PT27-MWJ-TM-DPL-M002-302201 P01 Date: 17/11/22 |
|---|--|---|--|--|

Rail system compounds are shown where they are likely to generate more than 24 HGV movements a day in the peak month (average two-way) or are associated with a construction civil engineering works compound
 For TR08 drawing route see 2D301-MWJ-TM-DPL-M002-300000

High Speed Rail (Crewe – Manchester)

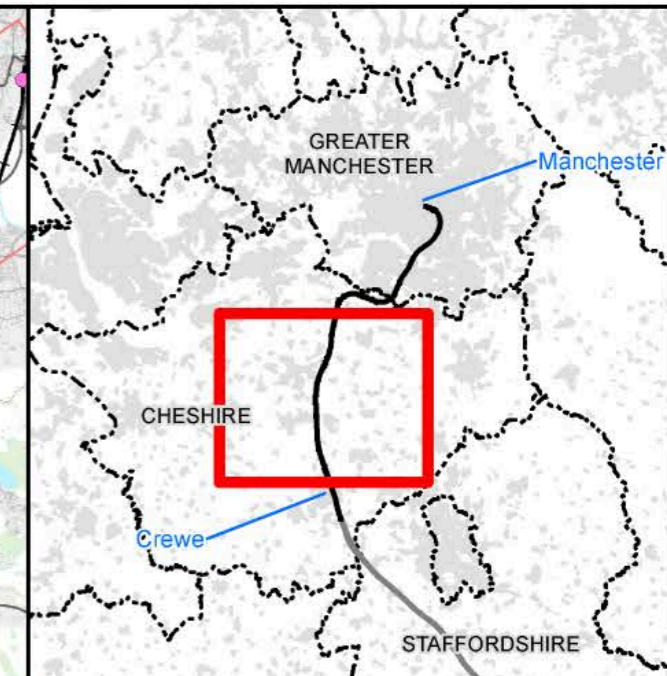
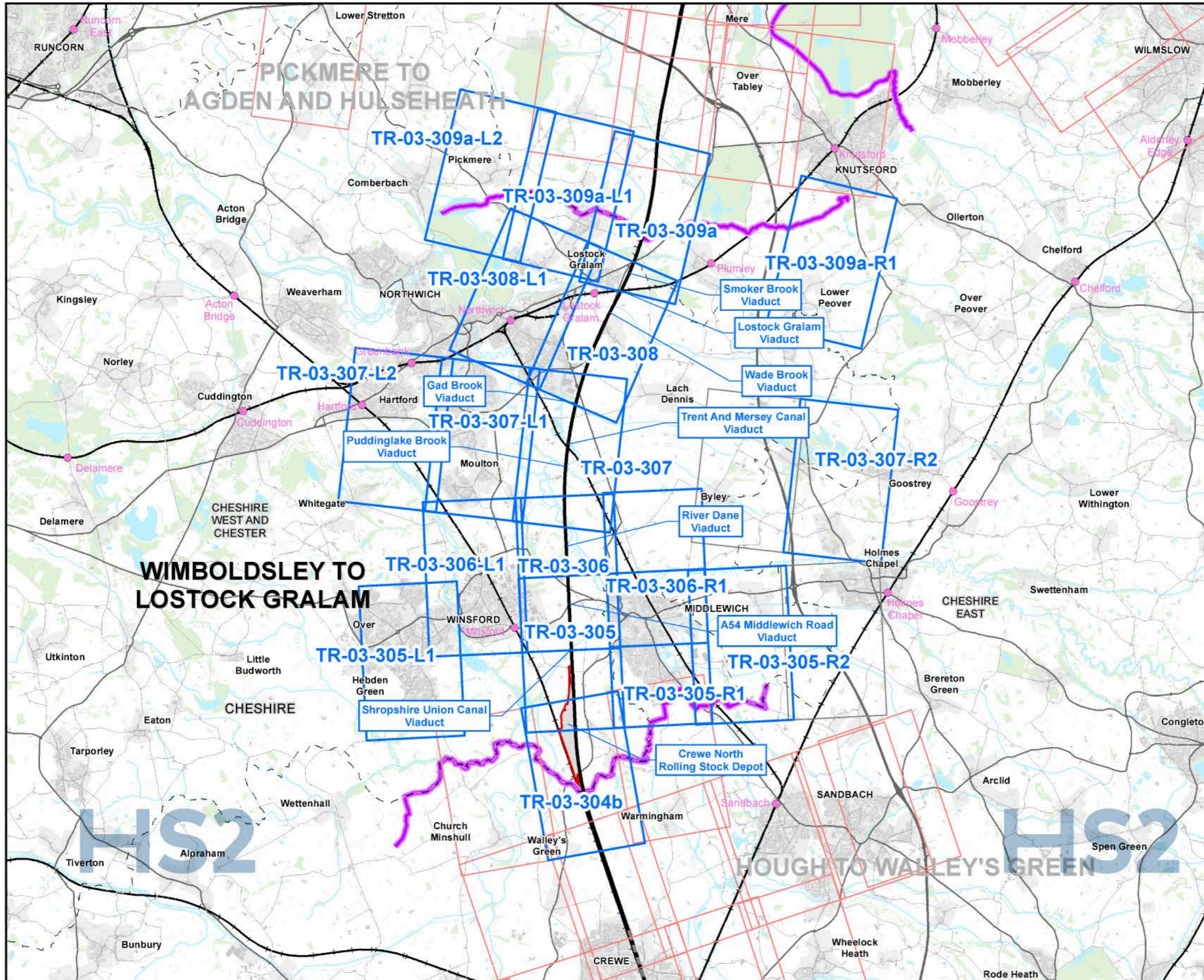
Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

MA02: Wimboldsley to Lostock Gralam

TR-03 - Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes

TR-04 - Significant Residual Transport Effects Arising from Operation

TR-08 - Construction Routes to the Strategic Network



Map Series Information:

This map series identifies the significant residual transport effects arising from construction of the Proposed Scheme and the construction traffic routes. Traffic routes are the identified routes which Heavy Goods Vehicles (HGVs) will use between compounds and the main A road/ strategic road network within each CA. The effects include those that are temporary (adverse/beneficial) from transport related impacts as a result of the Proposed Scheme on the transport network and the level of significance of those effects (minor, moderate or major).

- 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 | TR-03-INDEX-MA02 |
| Map Name | Index Map of: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA02: Wimboldsley to Lostock Gralam |

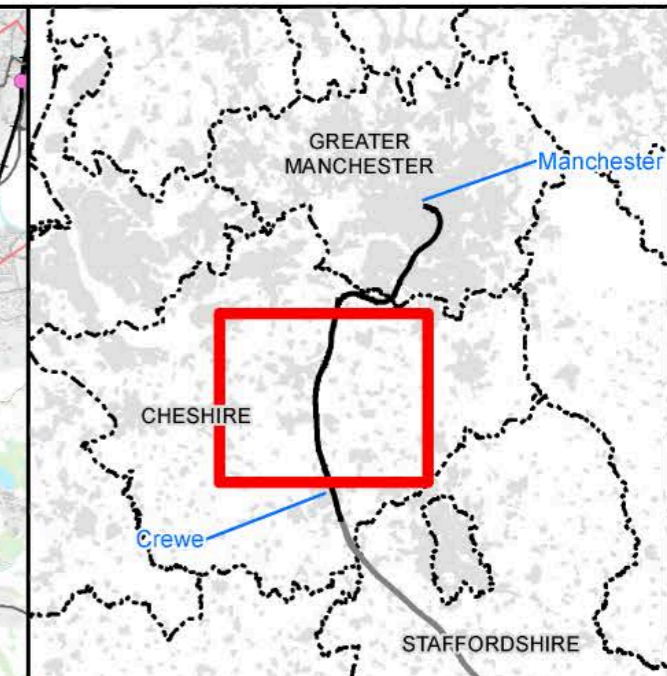
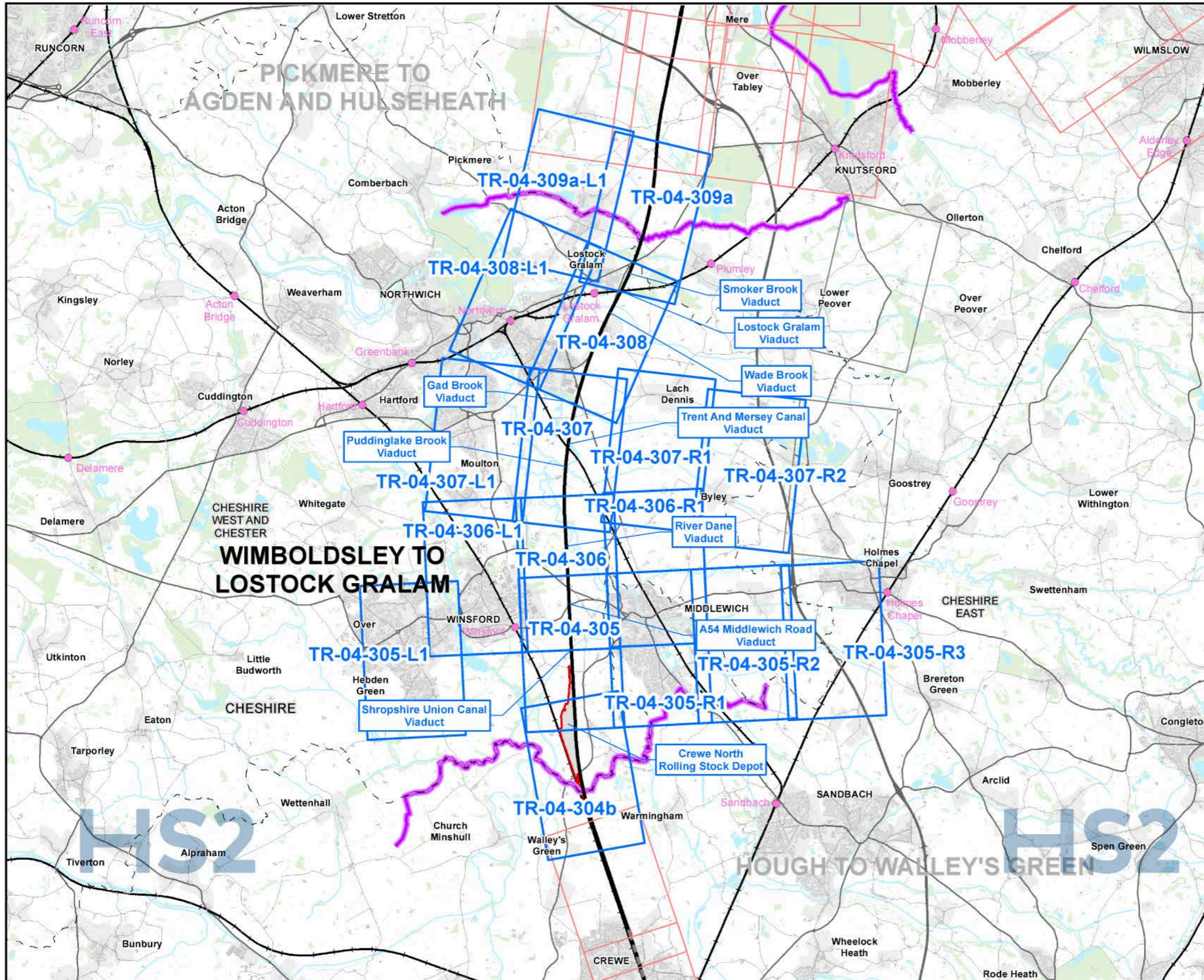
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Doc Number: 2PT27-MWJ-EV-MAP-M000-002179-P01 Date: 03/05/23



Map Series Information:

Identifies the significant residual transport effects during the operation of HS2 for each CA. The effects include those that are permanent (adverse/beneficial) from transport-related impacts as a result of the Proposed Scheme (and mitigation) on the existing transport network and the level of significance of those effects (minor, moderate or major) for the two forecast years 2039 (Opening Year) and 2051 (Design Year).

- 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: TR-04-INDEX-MA02

Map Name: Index Map of:
Significant Residual Transport
Effects Arising from Operation
SES2 and AP2 ES
Community Area MA02:
Wimboldsley to Lostock Gralam

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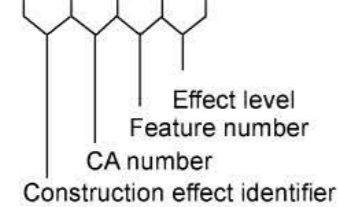
Date: 13/04/23

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

Significant effect label:

Significant effect reference:

PT01-01-Mi



Construction effect identifier:

- PT - Public transport delay
- D - Disruption at stations / interchanges
- Tc - Traffic congestion and delays to vehicle occupants
- Td - Traffic diversion
- Ts - Traffic severance - non-motorised users
- P - Parking and loading
- V - Vulnerable road user delays, amenity and ambience
- A - Accidents and safety
- S - Severance
- W - Waterways

Effect level:

- Mi - Minor
- Mo - Moderate
- Ma - Major

Where a significant effect has been changed due to a correction to mapping produced in the main ES or previous SES/AP, the significant effect reference is suffixed with a double asterisk (**). The map now shows the correct effect.

The colour of the border around each significant effect arising from the current SES/AP and the significant effect descriptor denotes whether the effect is added or removed or there is a change to the type (i.e. adverse/beneficial) or level of effect (i.e. major/moderate/minor) in a given forecast year at the current SES/AP.

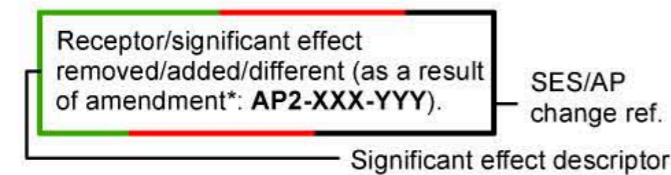
Where the colour of the border is black but the type and level of the significant effect are unchanged from those shown in the MA06-08 and ORW Community Area Map Books in the main ES or the MA01-05 Community Area Map Books in the previous SES/AP, this denotes that the current SES/AP will give rise to a different (increased/decreased) significant effect but will not change the level of significance of the effect.

Removed effect Added effect Different effect

Where there is no colour border around a label with a white background, this denotes a correction to a significant effect that was previously mapped but did not represent a significant effect within the assessment.

Significant effect descriptor:

Where the change in effect is directly attributable to a specific SES/AP change, this is denoted by the following significant effect descriptor:



Where the change in effect is caused by a combination of SES/AP changes, no significant effect descriptor is provided.

| | |
|------------|--|
| Map Number | TR-03 - Legend |
| Map Name | TR-03 - Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes - SES2 and AP2 ES |

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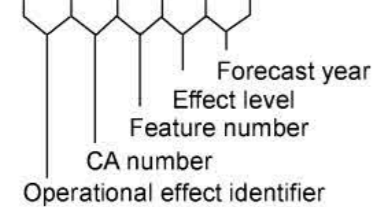
Doc Number: 2PT27-MWJ-EV-MAP-M000-004135-P01

Date: 03/05/23

Significant effect label:

Significant effect reference:

PT01-01-Mi-39



Operational effect identifier:

- PT - Public transport delay
- D - Disruption at stations / interchanges
- Tc - Traffic congestion and delays to vehicle occupants
- Td - Traffic diversion
- Ts - Traffic severance - non-motorised users
- P - Parking and loading
- V - Vulnerable road user delays, amenity and ambience
- A - Accidents and safety
- S - Severance
- W - Waterways

Effect level:

- Mi - Minor
- Mo - Moderate
- Ma - Major

Forecast year:

- 39 - Significant effect in 2039
- 51 - Significant effect in 2051
- Missing - Significant effect in both forecast years

Significant effects identified in the main ES or previous SES/AP for 2038 that are unchanged in the current SES/AP assessments are now relabelled as 2039 to reflect the change in forecast year.

Significant effects identified in the main ES for 2046 that are unchanged in the current SES/AP assessments are now relabelled as 2051 to reflect the change in forecast year.

Where a significant effect is added or changed in one or both forecast years resulting in effects of the same type (i.e. adverse/beneficial) and level (i.e. minor/moderate/major) in the same location in both forecast years in the current SES/AP, the effects are labelled separately for each forecast year but have the same feature number.

Where a significant effect has been changed due to a correction to mapping produced in the main ES or previous SES/AP, the significant effect reference is suffixed with a double asterisk (**). The map now shows the correct effect.

The colour of the border around each significant effect arising from the current SES/AP and the significant effect descriptor denotes whether the effect is added or removed or there is a change to the type (i.e. adverse/beneficial) or level of effect (i.e. major/moderate/minor) in a given forecast year at the current SES/AP.

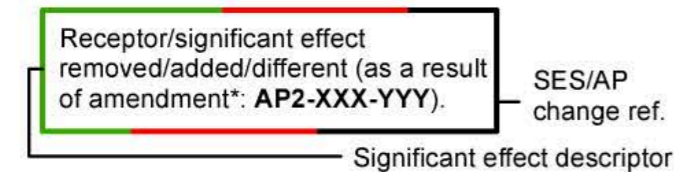
Where the colour of the border is black but the type and level of the significant effect are unchanged from those shown in the MA06-08 and ORW Community Area Map Books in the main ES or the MA01-05 Community Area Map Books in the previous SES/AP, this denotes that the current SES/AP will give rise to a different (increased/decreased) significant effect but will not change the level of significance of the effect.

Removed effect Added effect Different effect

Where there is no colour border around a label with a white background, this denotes a feature that was previously mapped but did not represent a significant effect within the assessment.

Significant effect descriptor:

Where the change in effect is directly attributable to a specific SES/AP change, this is denoted by the following significant effect descriptor:



Where the change in effect is caused by a combination of SES/AP changes, no significant effect descriptor is provided.

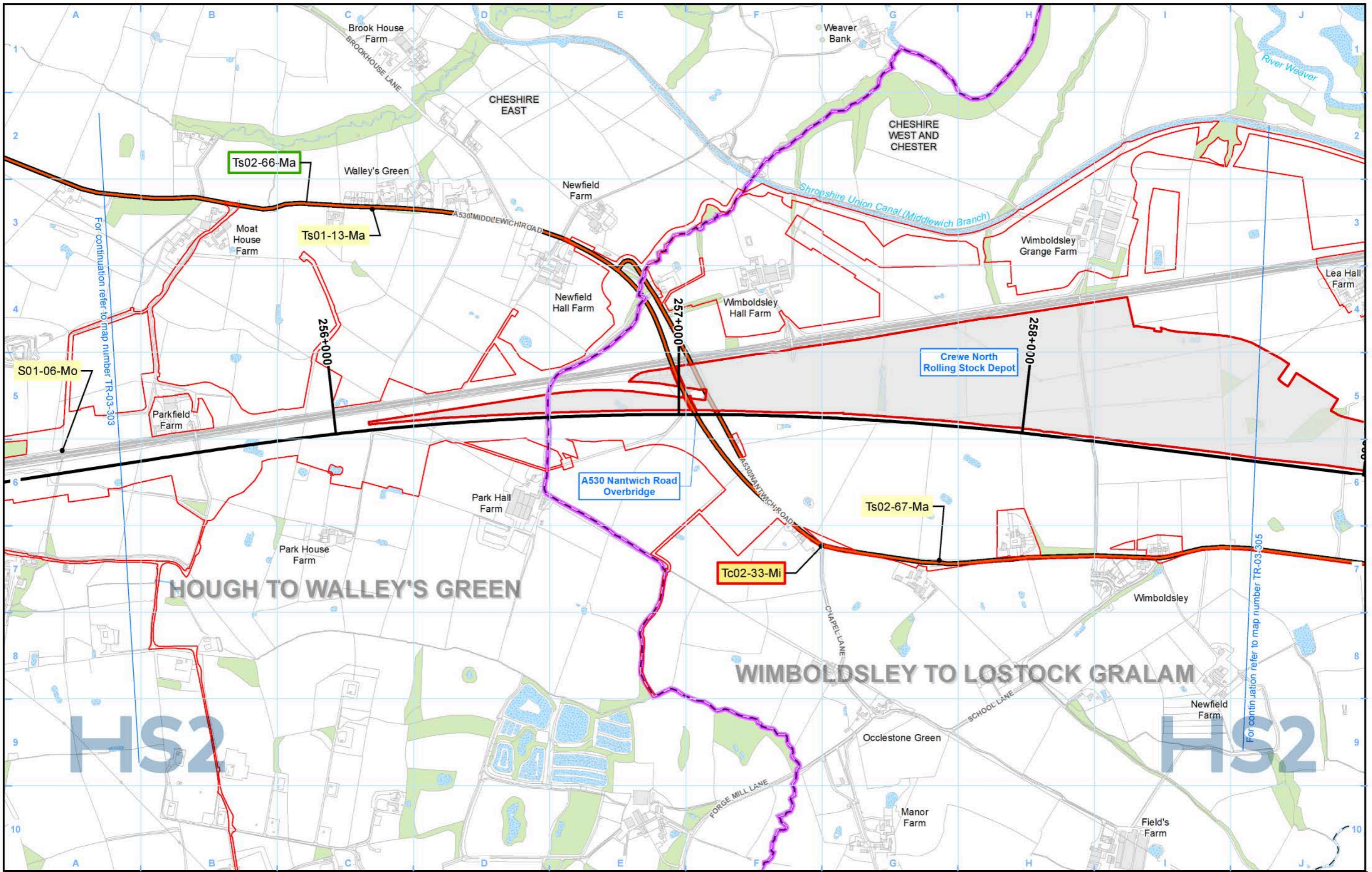


| | |
|------------|---|
| Map Number | TR-04 - Legend |
| Map Name | Significant Residual Transport Effects Arising from Operation SES2 and AP2 ES |

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| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | | For full legend please refer to TR-03 legend page. | |
|--------|---|---|-----------------------------|---|-----------------------|--|-----------------------|
| | Route in tunnel | | Watercourse | | Adverse, permanent | | Adverse, permanent |
| | Route on surface | | Water body | | Adverse, temporary | | Adverse, temporary |
| | Depot, station, headhouse or portal building | | Woodland | | Beneficial, temporary | | Beneficial, temporary |
| | Land potentially required during construction | | Construction traffic routes | | Beneficial, permanent | | Beneficial, permanent |
| | Community area boundary | | | | | | |
| | County boundary | | | | | | |
| | District/Borough boundary | | | | | | |

| | |
|------------|--|
| Map Number | TR-03-304b |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA02: Wimboldsley to Lostock Gralam |

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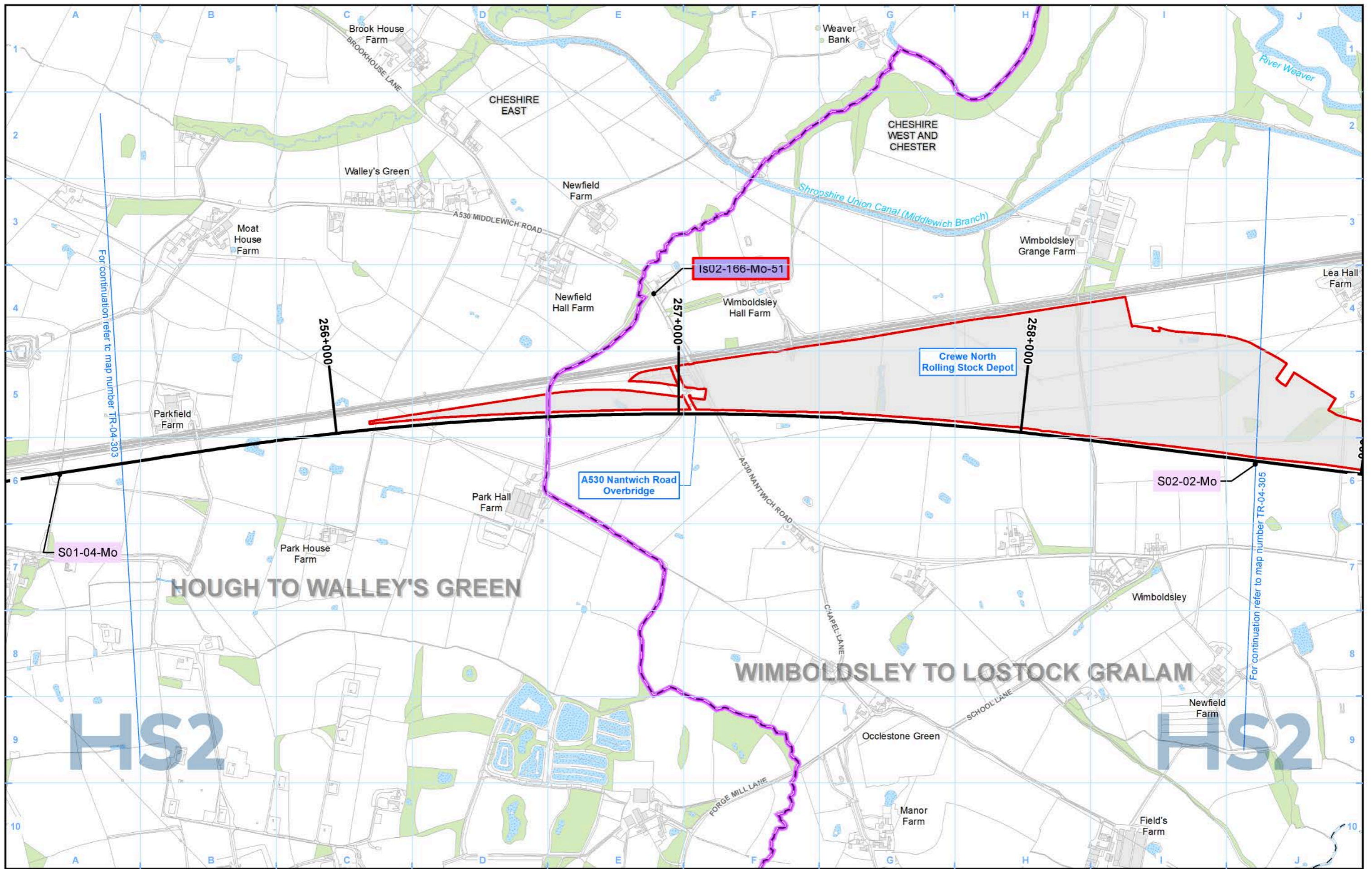
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Doc Number: 2PT27-MWJ-EV-MAP-M000-002147-P01

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Metres

Date: 03/05/23



- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary
 - Watercourse
 - Water body
 - Woodland

- Operational significant effects arising as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-304b

Map Name: Significant Residual Transport Effects Arising from Operation SES2 and AP2 ES

Community Area MA02: Wimboldsley to Lostock Gralam

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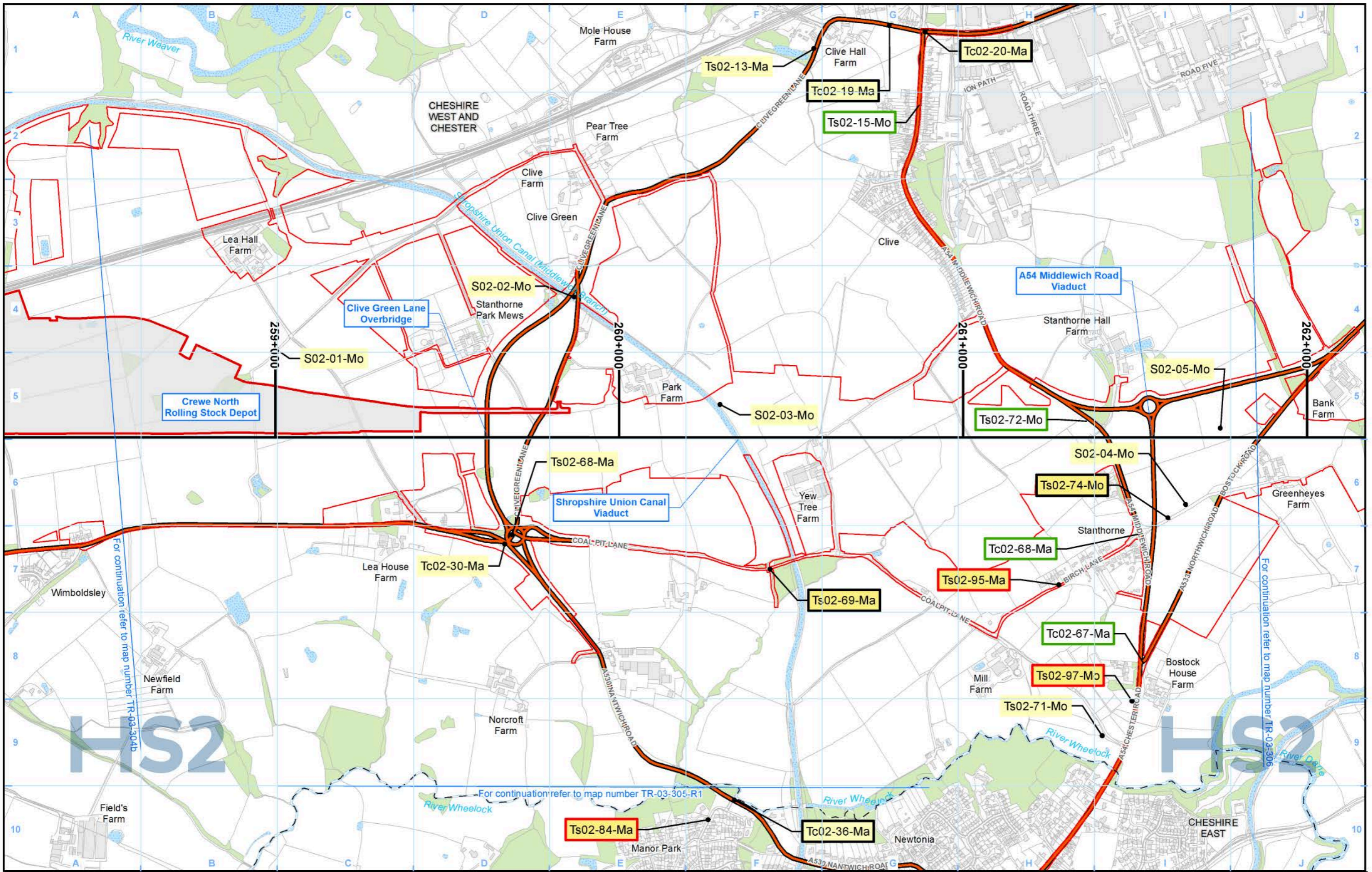
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Date: 13/04/23

Scale at A3: 1:10,000

Metres



- 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
 - Construction traffic routes

- Construction significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Construction significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-03 legend page.

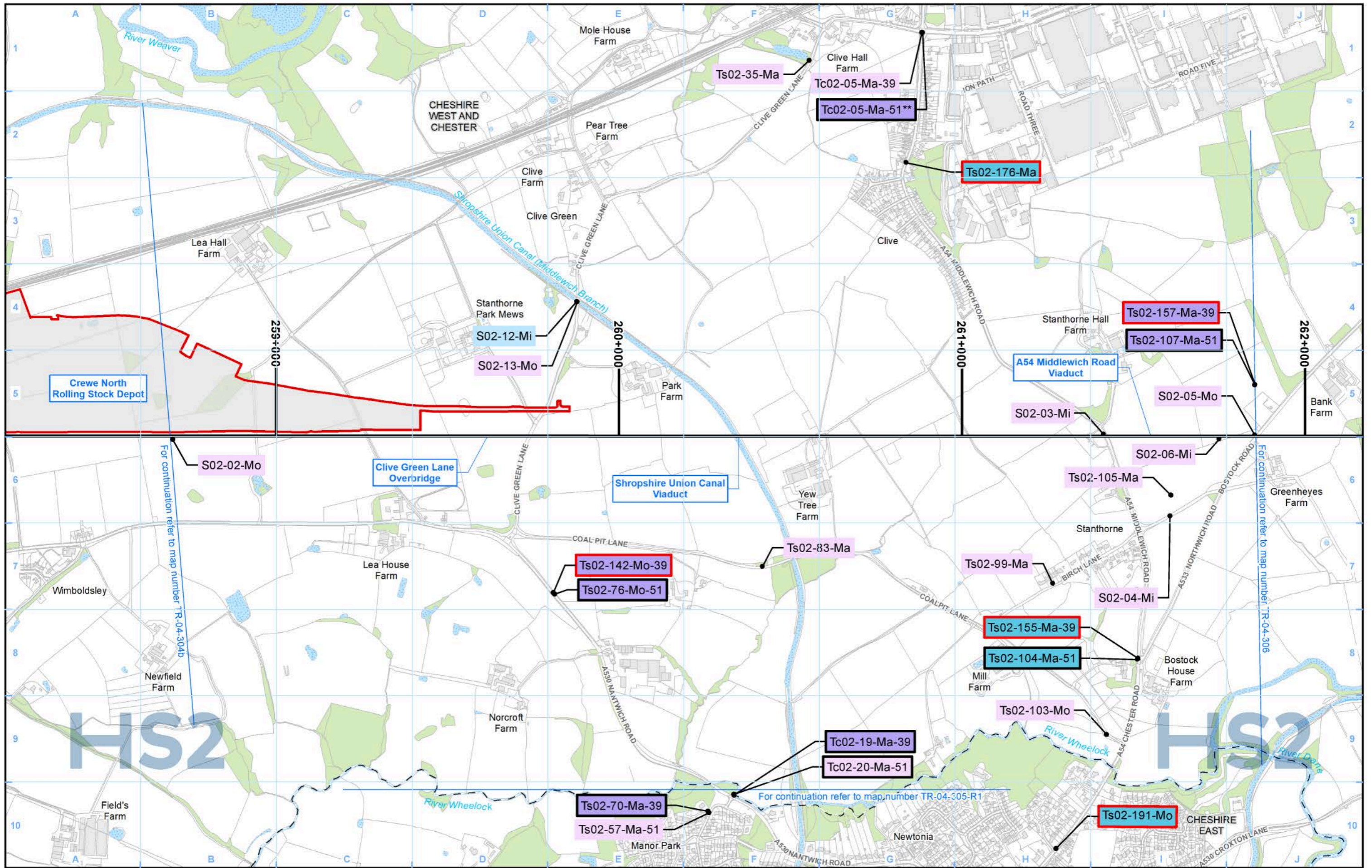
Map Number: TR-03-305
 Map Name: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES
 Community Area MA02: Wimboldsley to Lostock Gtalam

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Doc Number: 2PT27-MWJ-EV-MAP-M000-002148-P01 Date: 03/05/23



Legend

| | | | |
|--|--|--|-------------|
| | Route in tunnel | | Watercourse |
| | Route on surface | | Water body |
| | Depot, station, headhouse or portal building | | Woodland |
| | Community area boundary | | |
| | County boundary | | |
| | District/Borough boundary | | |

Operational significant effects arising as a result of the current SES/AP:

| | | | |
|--|-----------------------|--|-----------------------|
| | Adverse, permanent | | Adverse, permanent |
| | Adverse, temporary | | Adverse, temporary |
| | Beneficial, temporary | | Beneficial, temporary |
| | Beneficial, permanent | | Beneficial, permanent |

Operational significant effects unchanged as a result of the current SES/AP:

For full legend please refer to TR-04 legend page.

Map Number: TR-04-305

Map Name: Significant Residual Transport Effects Arising from Operation SES2 and AP2 ES

Community Area MA02: Wimboldsley to Lostock Gralam

HS2

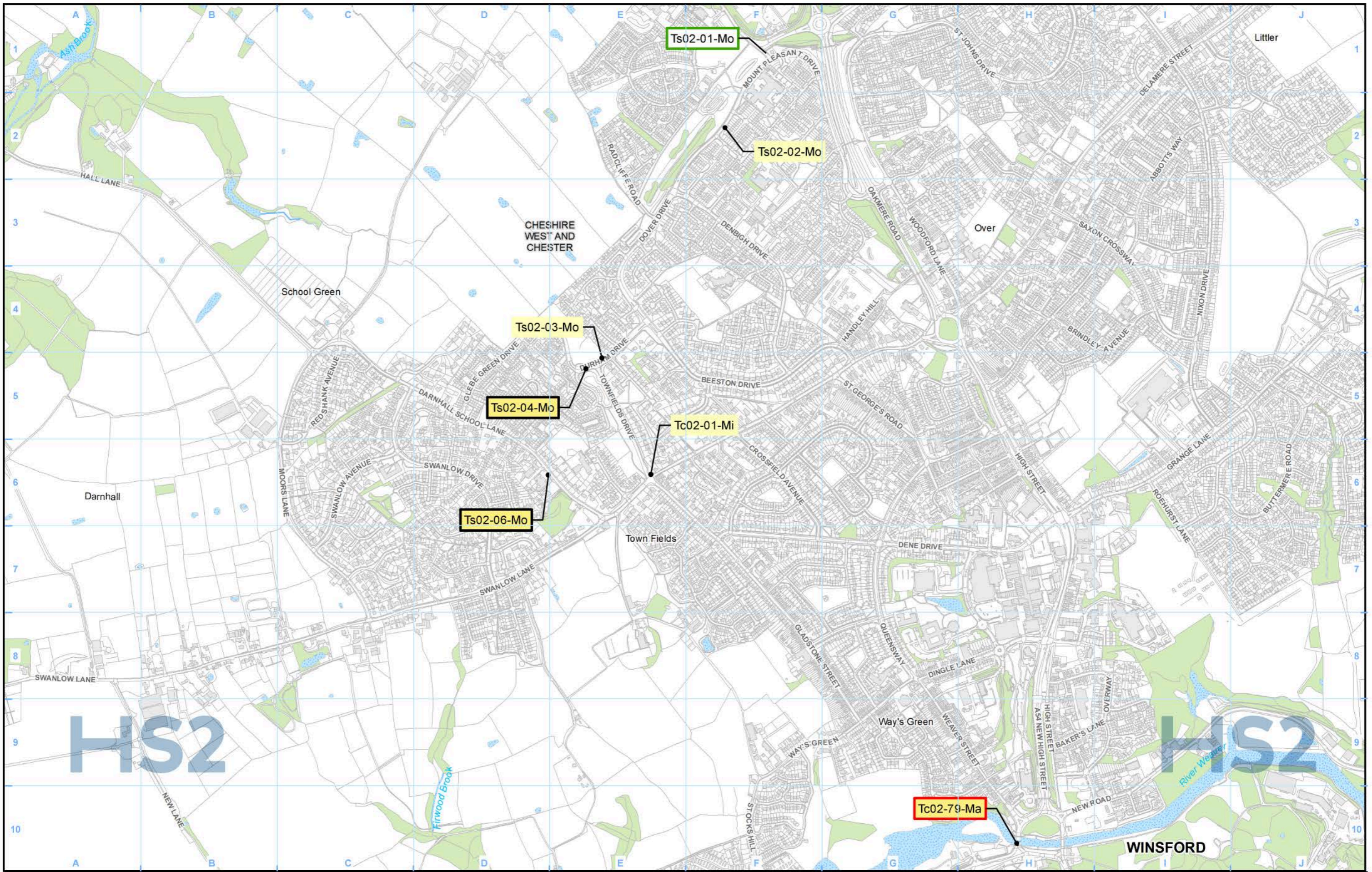
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Date: 13/04/23



- 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
- Construction traffic routes

- Construction significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Construction significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-03 legend page.

Map Number: TR-03-305-L1

Map Name: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES

Community Area MA02: Wimboldsley to Lostock Gram

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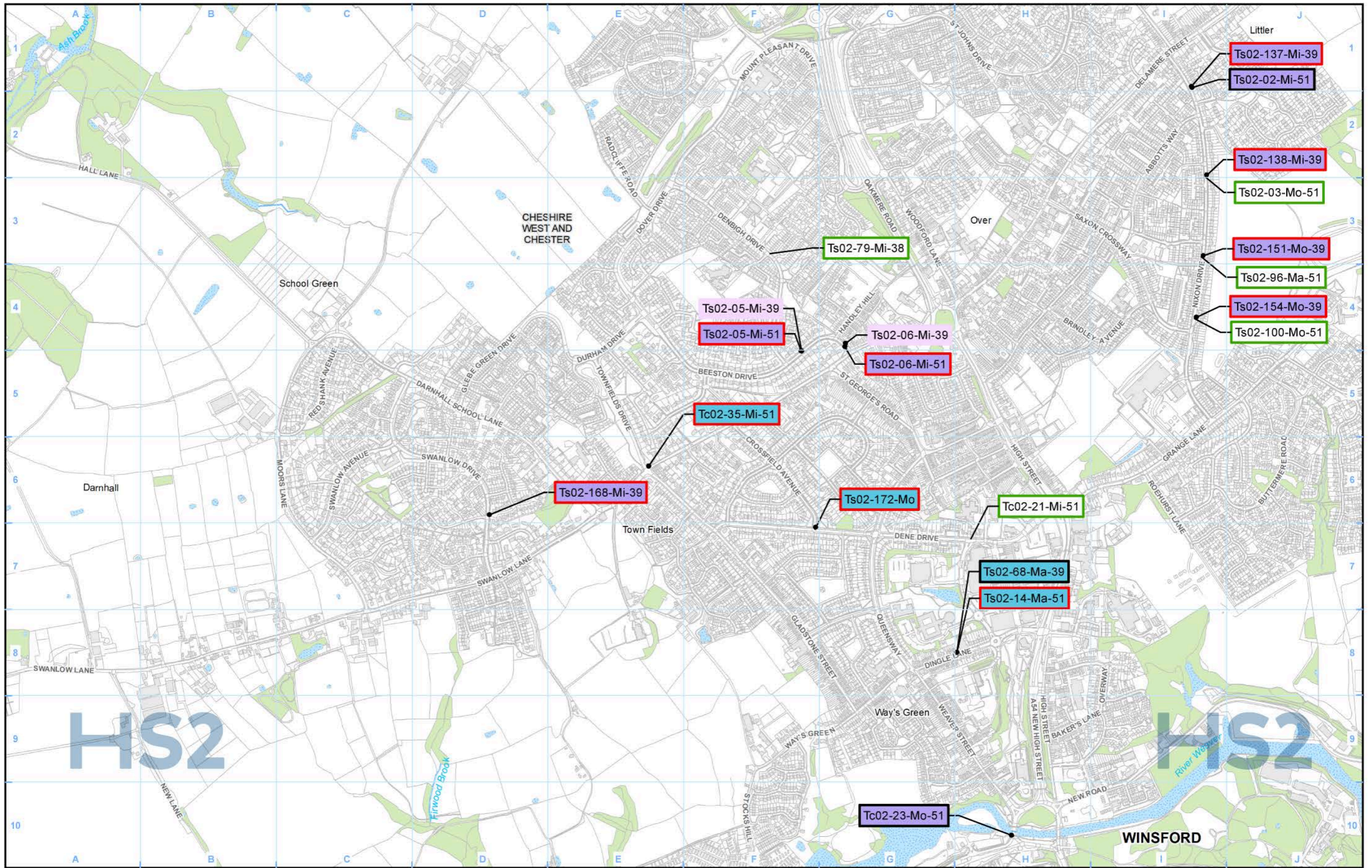
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Metres

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Legend

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Community area boundary
- County boundary
- District/Borough boundary
- Watercourse
- Water body
- Woodland

Operational significant effects arising as a result of the current SES/AP:

- Adverse, permanent
- Adverse, temporary
- Beneficial, temporary
- Beneficial, permanent

Operational significant effects unchanged as a result of the current SES/AP:

- Adverse, permanent
- Adverse, temporary
- Beneficial, temporary
- Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-305-L1

Map Name: Significant Residual Transport Effects Arising from Operation SES2 and AP2 ES

Community Area MA02: Wimboldsley to Lostock Gralam

HS2

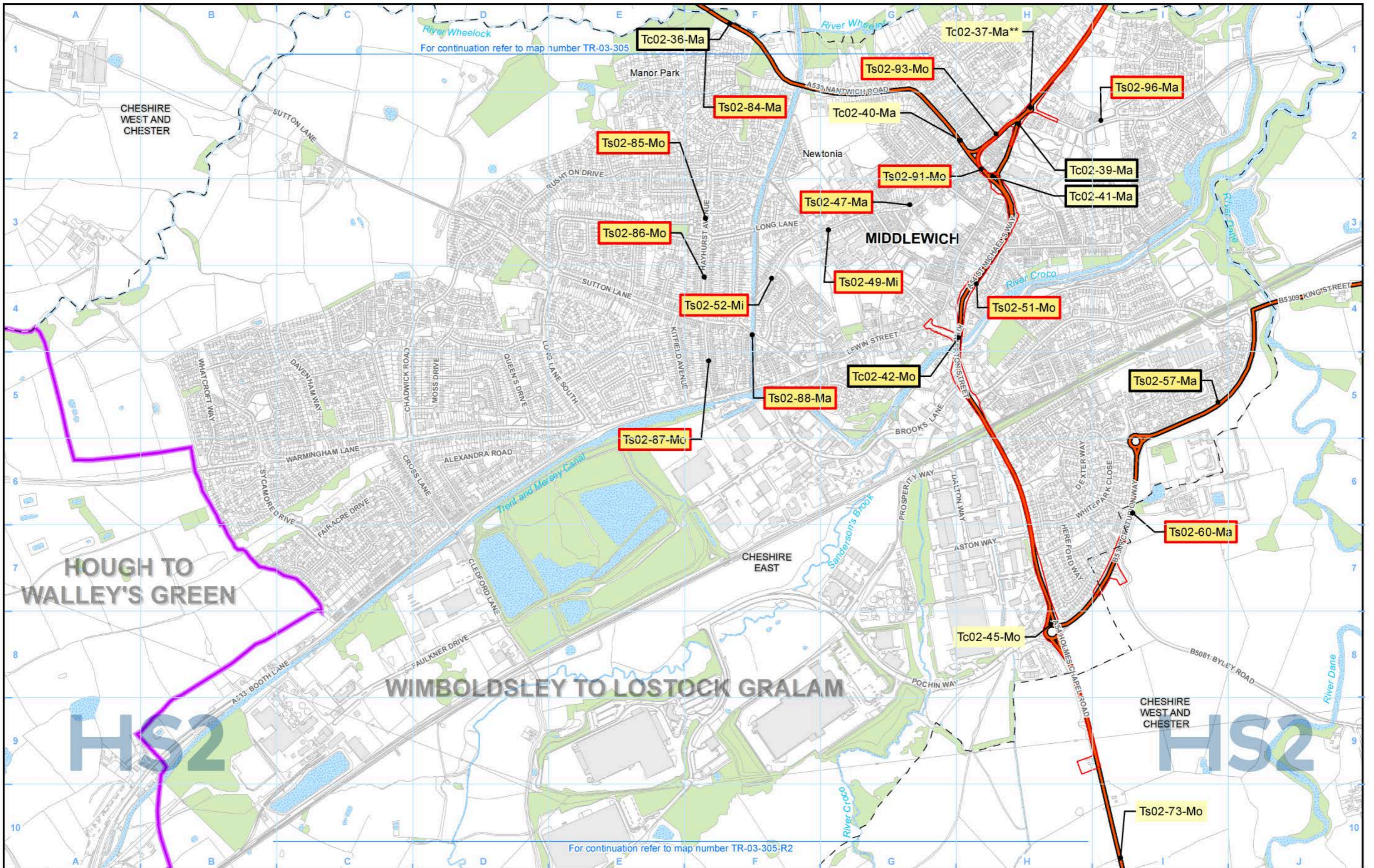
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For continuation refer to map number TR-03-305

For continuation refer to map number TR-03-305-R2

| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | | For full legend please refer to TR-03 legend page. | |
|--------|---|---|-----------------------------|---|-----------------------|--|-----------------------|
| | Route in tunnel | | Watercourse | | Adverse, permanent | | Adverse, permanent |
| | Route on surface | | Water body | | Adverse, temporary | | Adverse, temporary |
| | Depot, station, headhouse or portal building | | Woodland | | Beneficial, temporary | | Beneficial, temporary |
| | Land potentially required during construction | | Construction traffic routes | | Beneficial, permanent | | Beneficial, permanent |
| | Community area boundary | | | | | | |
| | County boundary | | | | | | |
| | District/Borough boundary | | | | | | |

| | |
|------------|--|
| Map Number | TR-03-305-R1 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA02: Wimboldsley to Lostock Gralam |

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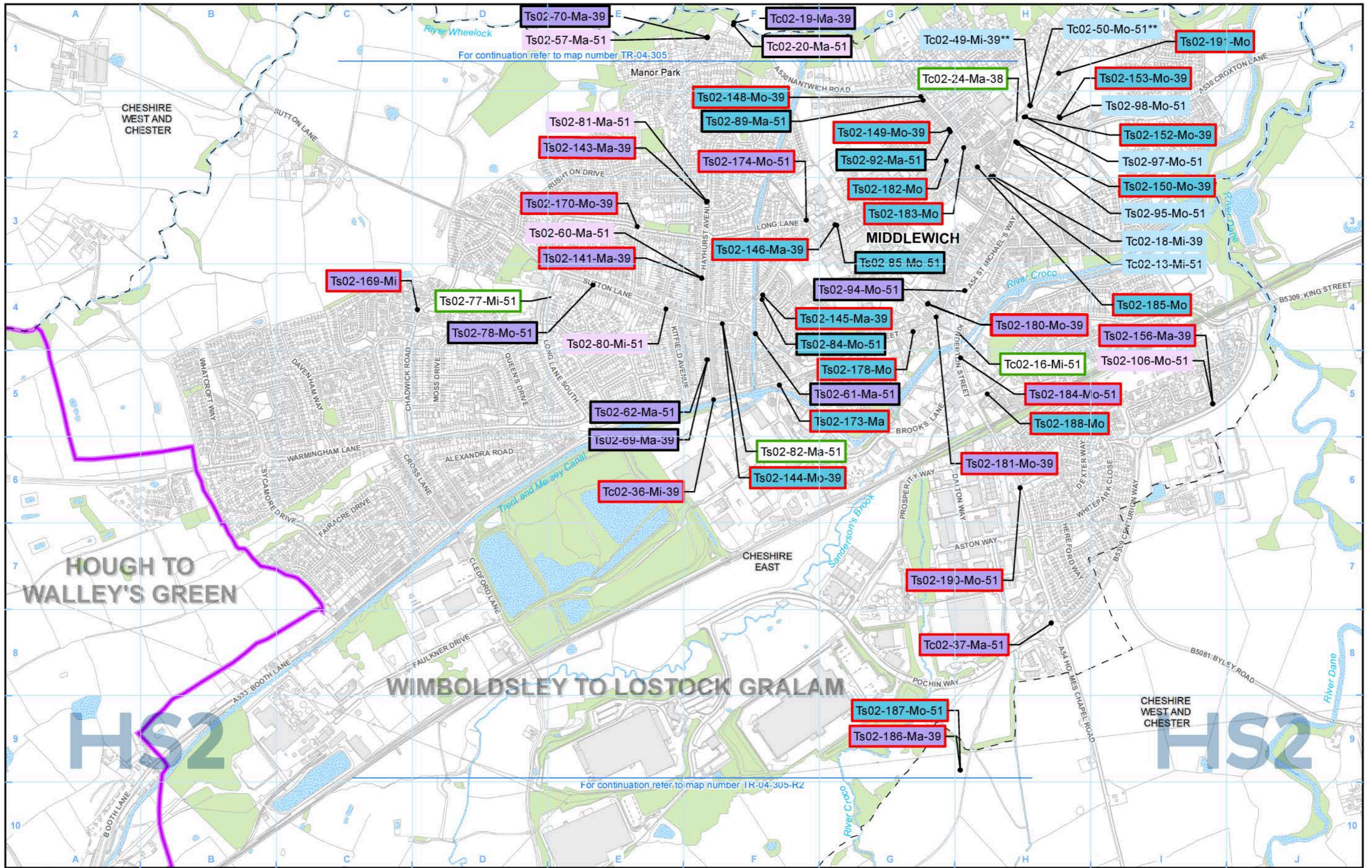
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Metres

Date: 03/05/23

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For continuation refer to map number TR-04-305

For continuation refer to map number TR-04-305-R2

- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland

- Operational significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-305-R1

Map Name: Significant Residual Transport Effects Arising from Operation SES2 and AP2 ES

Community Area MA02: Wimboldsley to Lostock Gralam

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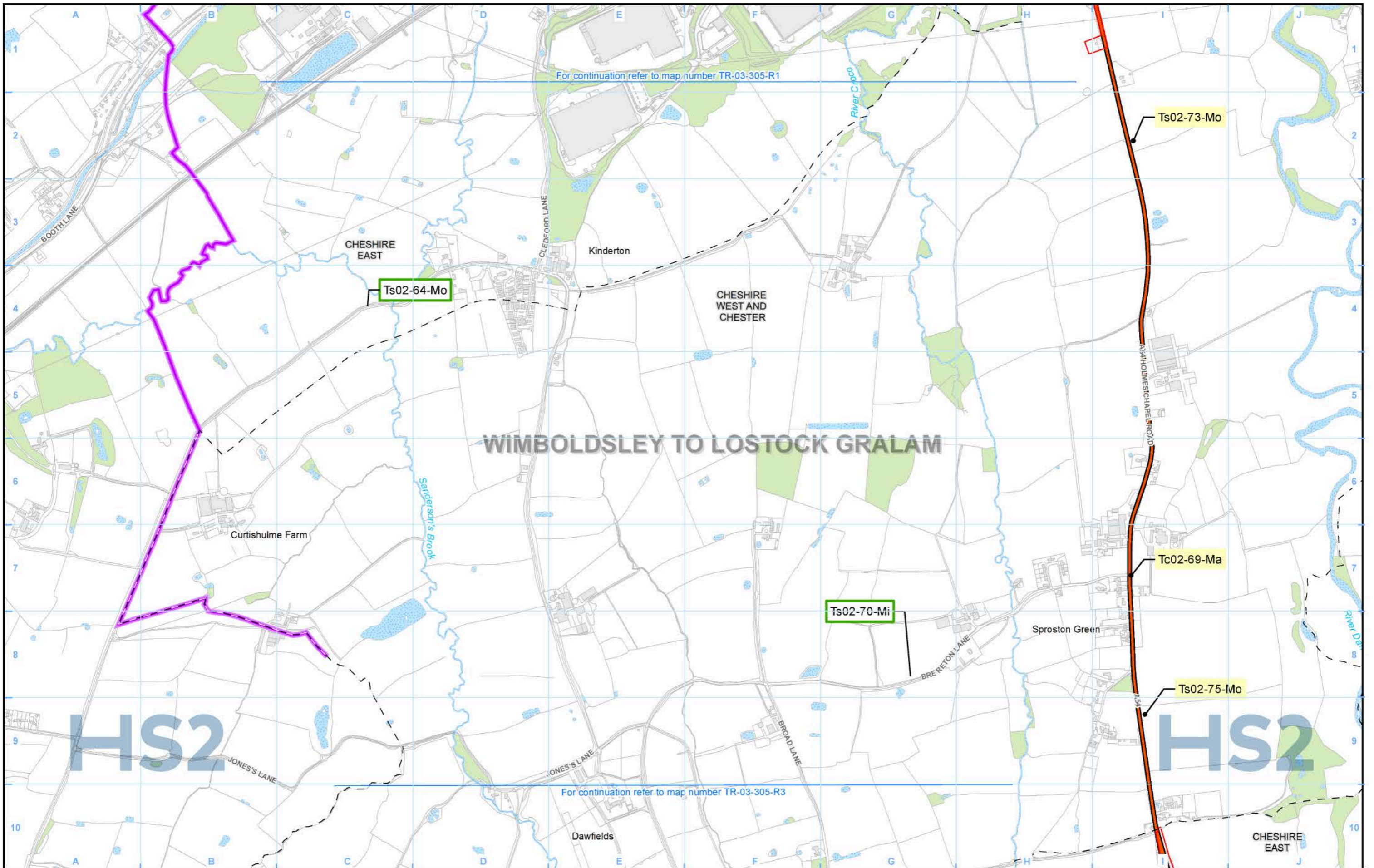
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Scale at A3: 1:10,000

Date: 13/04/23



For continuation refer to map number TR-03-305-R1

For continuation refer to map number TR-03-305-R3

| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | | For full legend please refer to TR-03 legend page. |
|--------|---|---|-----------------------------|---|-----------------------|--|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent | |
| | Route on surface | | Adverse, temporary | | Adverse, temporary | |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary | |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent | |
| | Community area boundary | | Watercourse | | | |
| | County boundary | | Water body | | | |
| | District/Borough boundary | | Woodland | | | |
| | | | Construction traffic routes | | | |

| | |
|------------|--|
| Map Number | TR-03-305-R2 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA02: Wimboldsley to Lostock Gralam |

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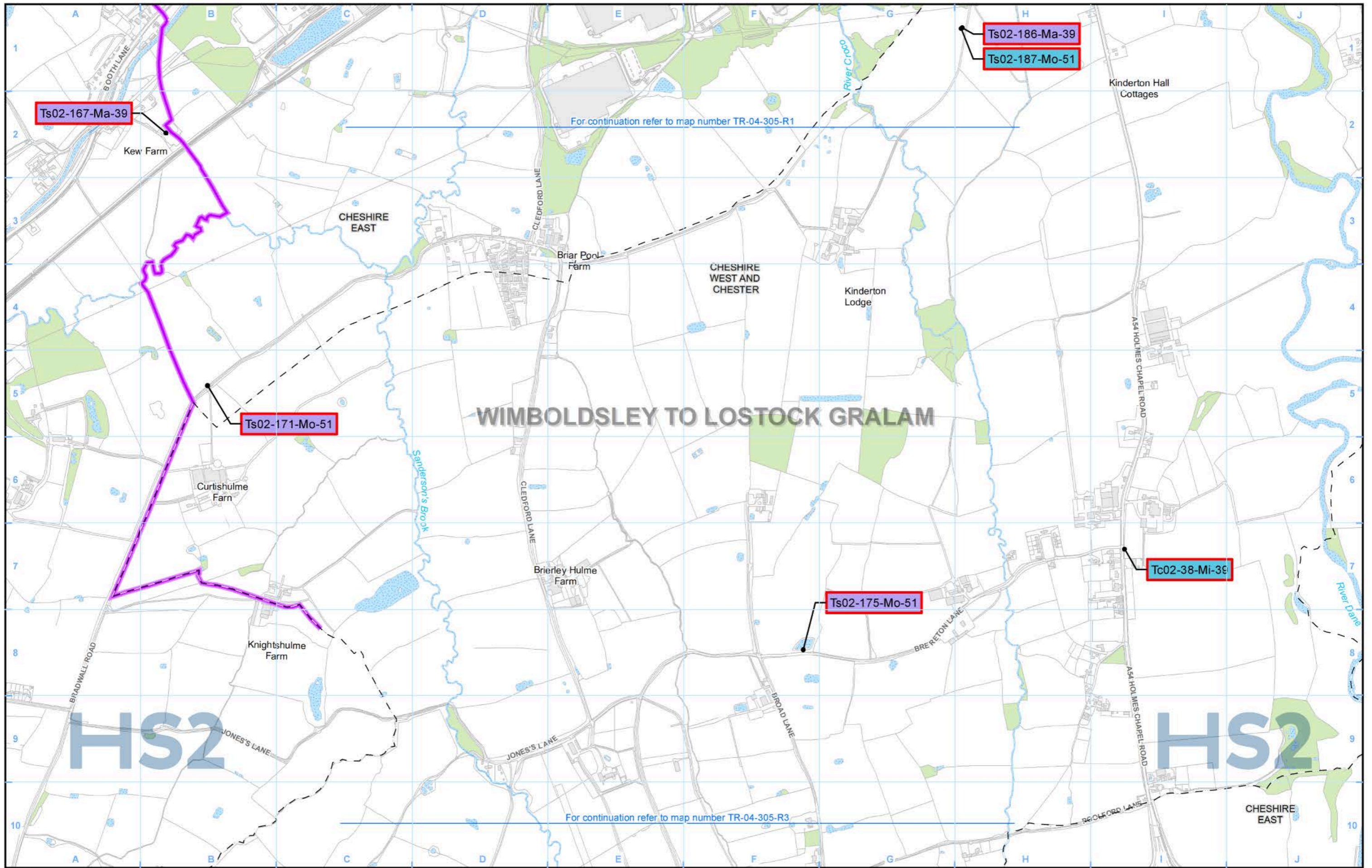
Doc Number: 2PT27-MWJ-EV-MAP-M000-003715-P01

Scale at A3: 1:10,000

Metres

Date: 03/05/23

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For continuation refer to map number TR-04-305-R1

WIMBOLDSLEY TO LOSTOCK GRALAM

For continuation refer to map number TR-04-305-R3

- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland

- Operational significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: **TR-04-305-R2**

Map Name: **Significant Residual Transport Effects Arising from Operation SES2 and AP2 ES**

Community Area MA02: **Wimboldsley to Lostock Gralam**

HS2

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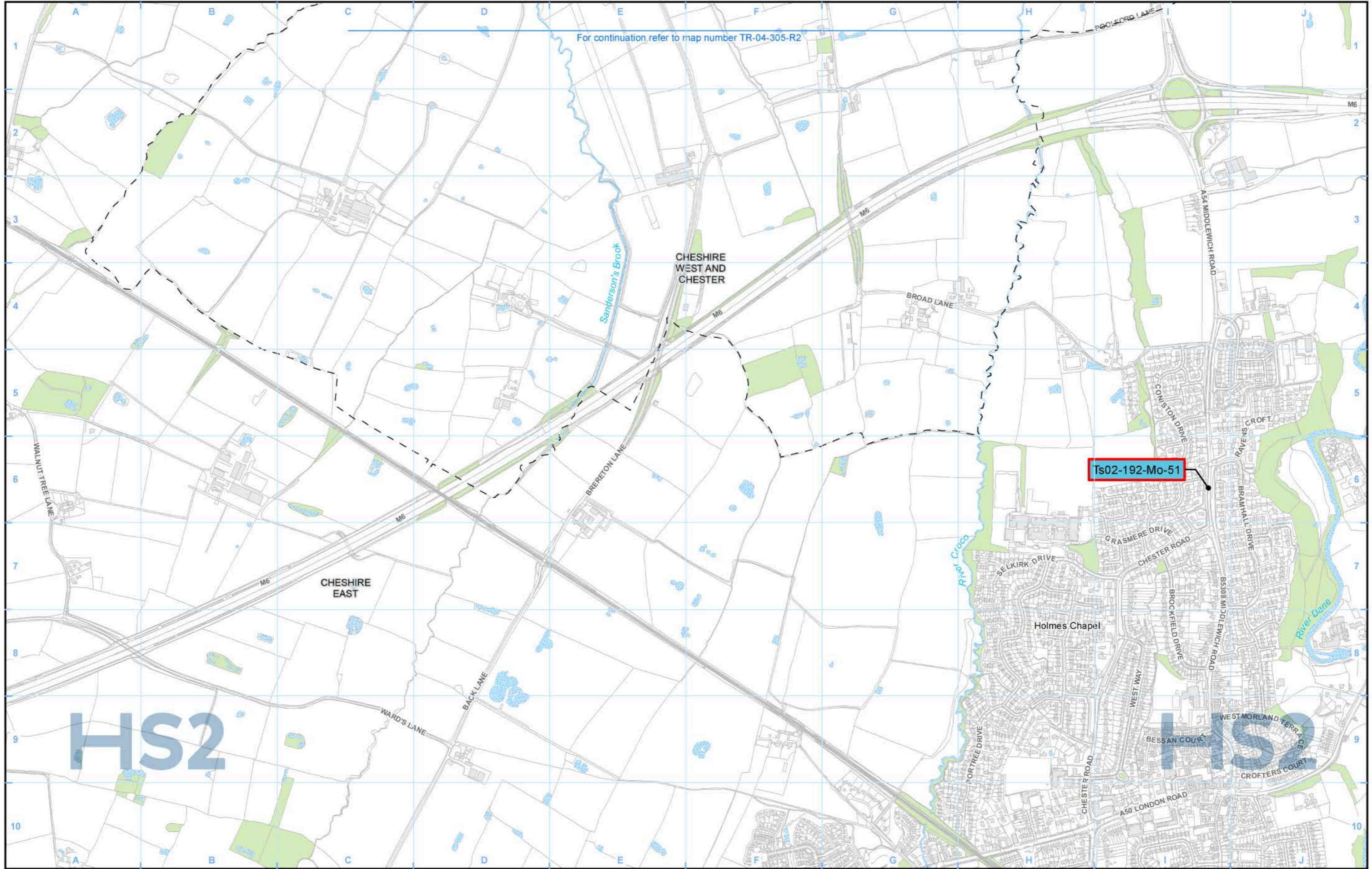
Date: 13/04/23

Scale at A3: 1:10,000

Metres

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For continuation refer to map number TR-04-305-R2



HS2

- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary
 - Watercourse
 - Water body
 - Woodland

- Operational significant effects arising as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: **TR-04-305-R3**

Map Name: **Significant Residual Transport Effects Arising from Operation SES2 and AP2 ES**

Community Area MA02: **Wimboldsley to Lostock Gralam**

HS2

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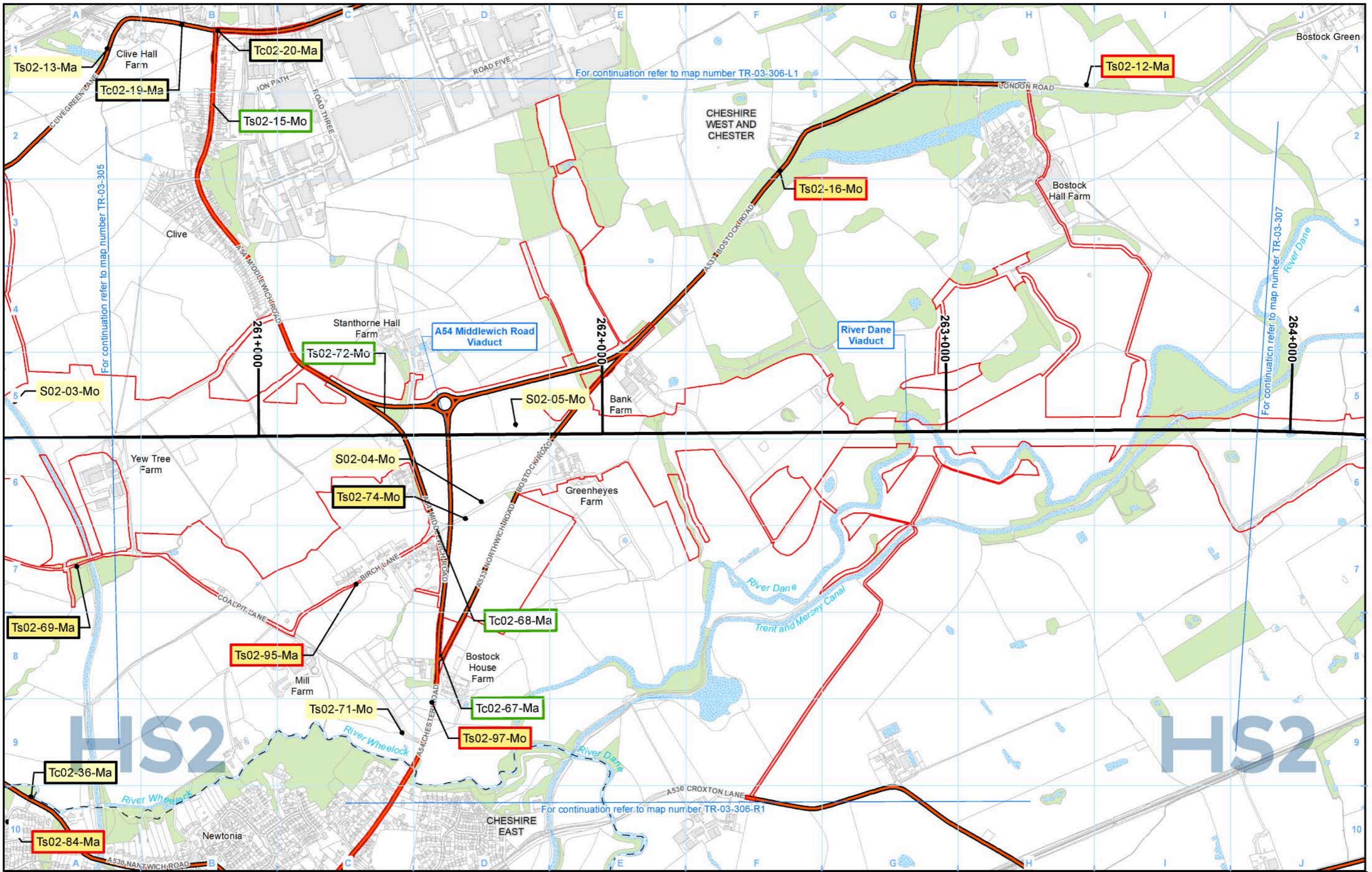
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Doc Number: 2PT27-MWJ-EV-MAP-M000-004505-P01

Date: 13/04/23

Scale at A3: 1:10,000

Metres



Legend

| | | | |
|--|--|---|---|
| | | Construction significant effects arising as a result of the current SES/AP: | Construction significant effects unchanged as a result of the current SES/AP: |
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For full legend please refer to TR-03 legend page.

| | |
|---|--|
| Map Number | TR-03-306 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area MA02: Wimboldsley to Lostock Gtalam | |

HS2

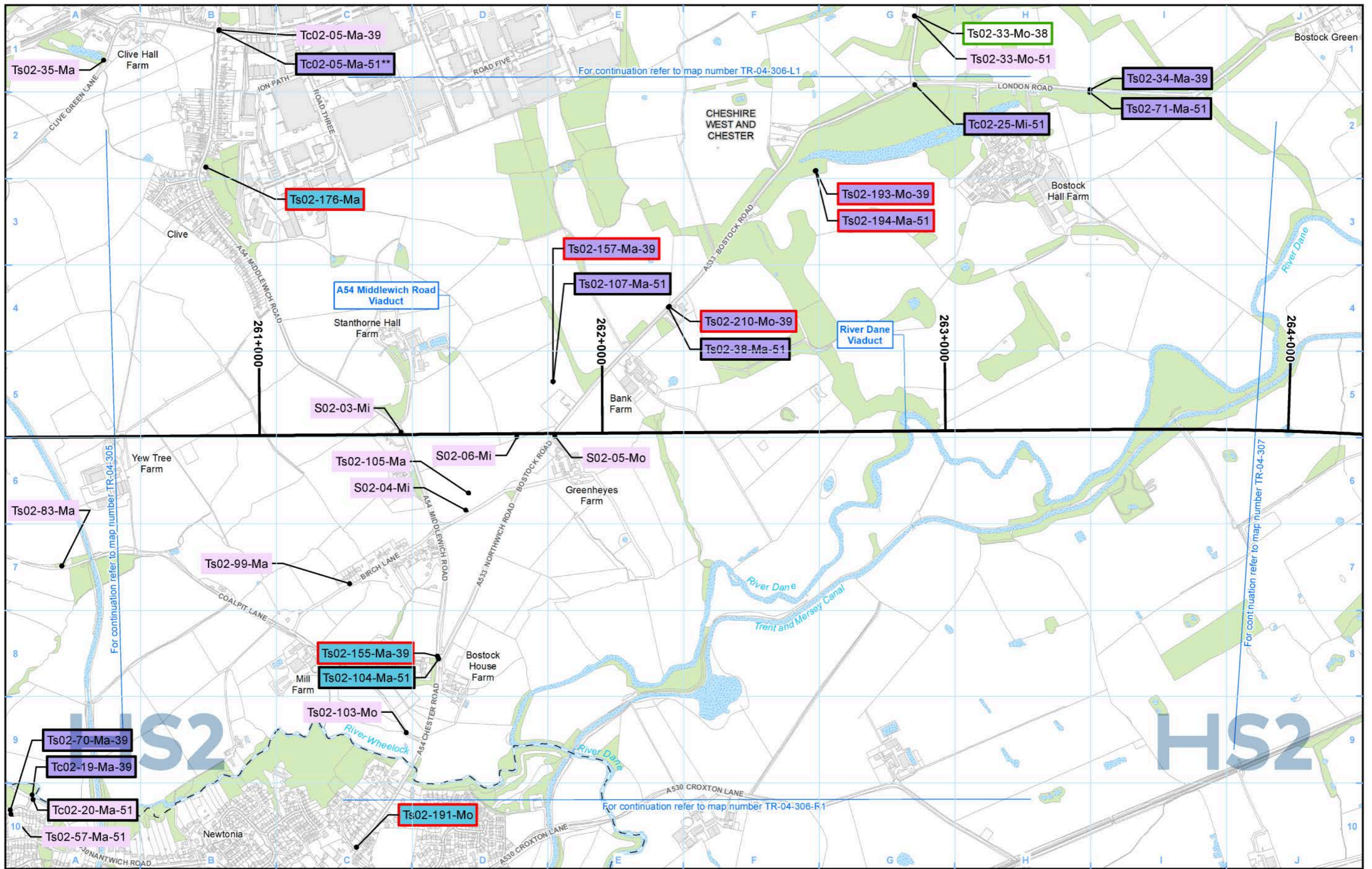
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Date: 03/05/23

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- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary
 - Watercourse
 - Water body
 - Woodland

- Operational significant effects arising as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: **TR-04-306**

Map Name: **Significant Residual Transport Effects Arising from Operation SES2 and AP2 ES**

Community Area MA02: Wimboldsley to Lostock Gralam

HS2

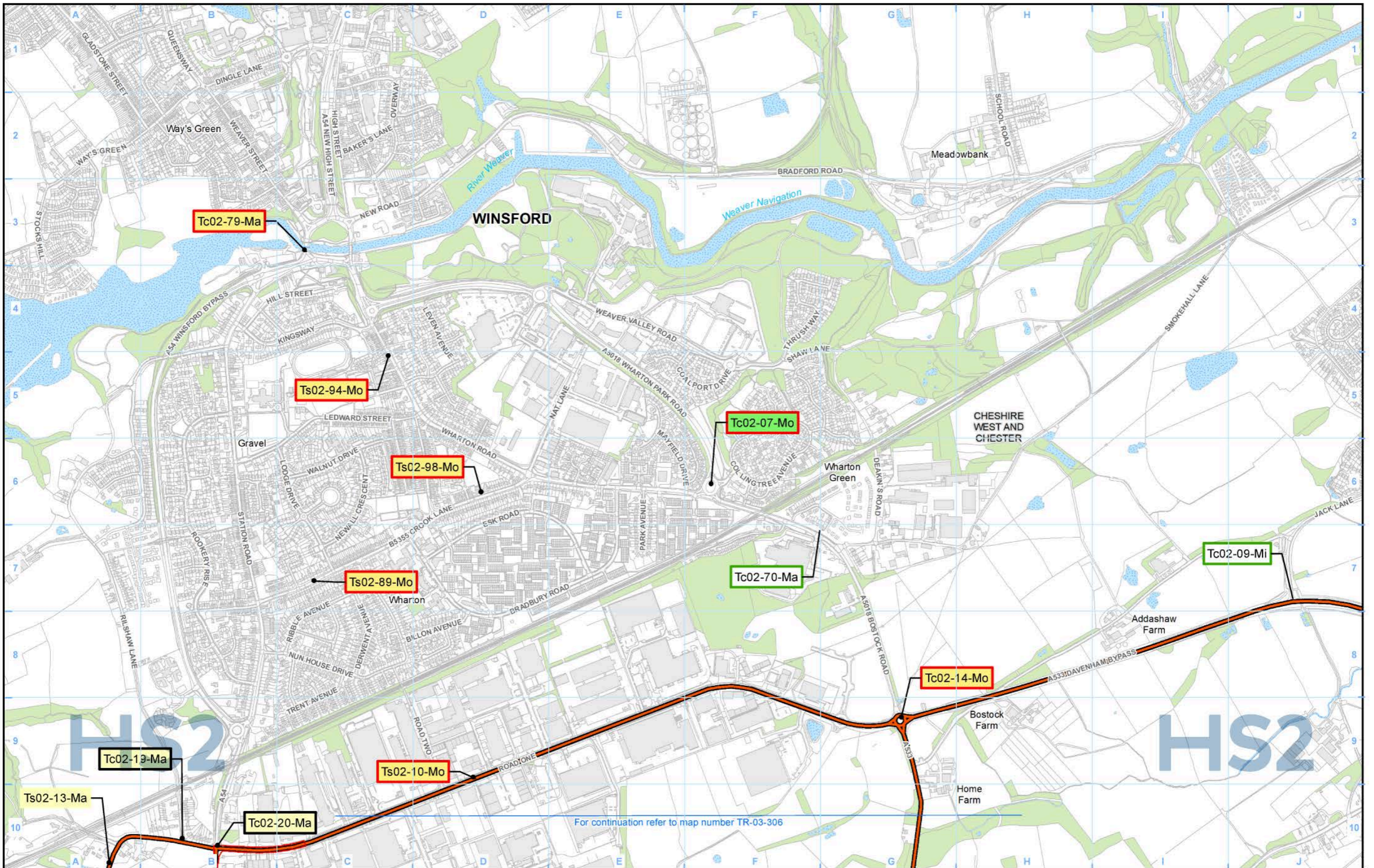
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Legend

| | | | | |
|---|--|---|---|---|
| <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 Construction traffic routes | <p>Construction significant effects arising as a result of the current SES/AP:</p> <ul style="list-style-type: none"> Adverse, permanent Adverse, temporary Beneficial, temporary Beneficial, permanent | <p>Construction significant effects unchanged as a result of the current SES/AP:</p> <ul style="list-style-type: none"> Adverse, permanent Adverse, temporary Beneficial, temporary Beneficial, permanent | <p>For full legend please refer to TR-03 legend page.</p> |
|---|--|---|---|---|

Map Number: TR-03-306-L1

Map Name: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES

Community Area MA02: Wimboldsley to Lostock Glam

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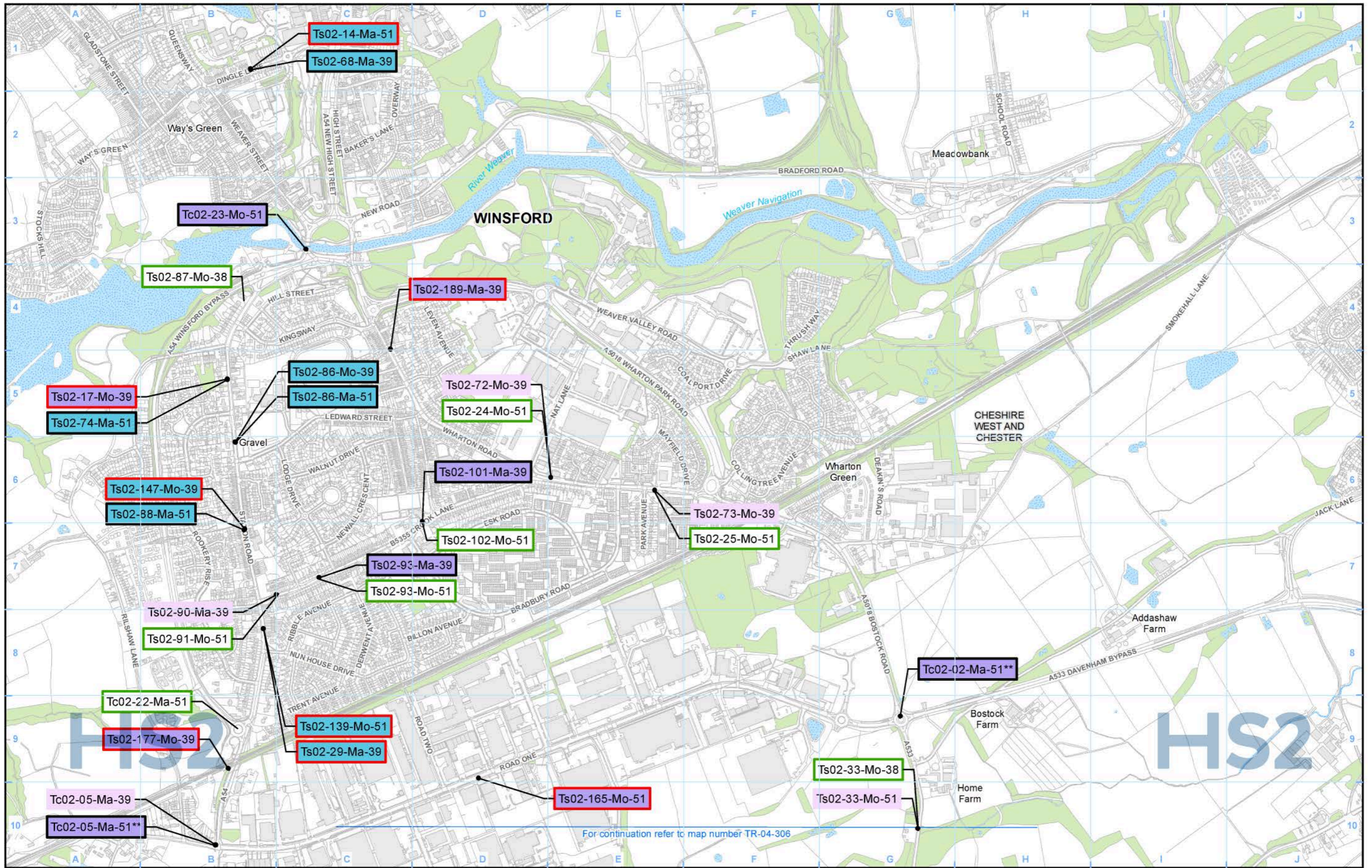
Doc Number: 2PT27-MWJ-EV-MAP-M000-002897-P01

Date: 03/05/23

Scale at A3: 1:10,000

Metres

North arrow symbol



For continuation refer to map number TR-04-306

- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland

- Operational significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-306-L1

Map Name: Significant Residual Transport Effects Arising from Operation SES2 and AP2 ES

Community Area MA02: Wimboldsley to Lostock Gralam

HS2

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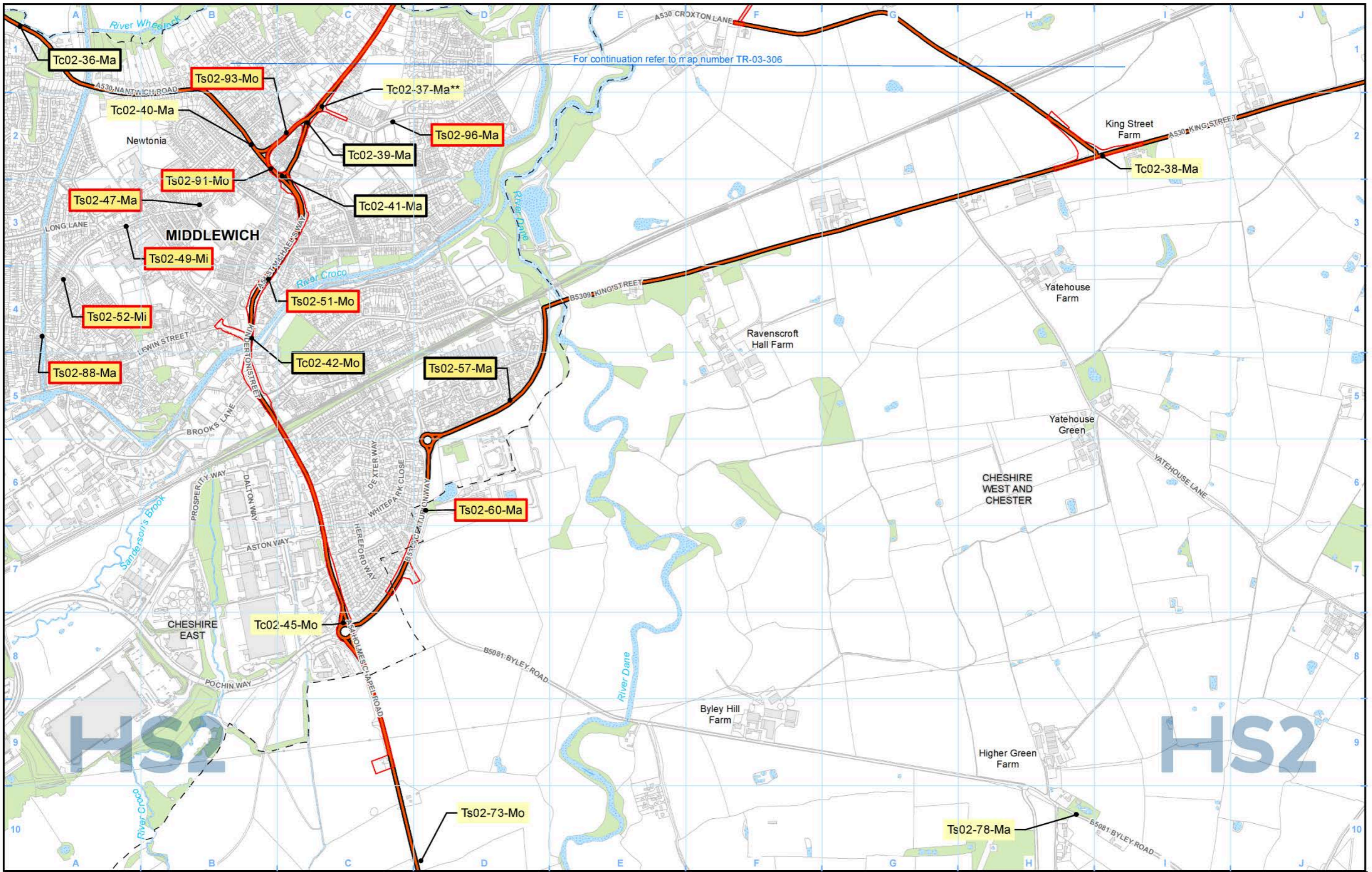
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Date: 13/04/23

Scale at A3: 1:10,000

Metres



For continuation refer to map number TR-03-306

Legend

| | | | | |
|---|-----------------------------|--|--|--|
| Route in tunnel | Watercourse | Construction significant effects arising as a result of the current SES/AP: | Construction significant effects unchanged as a result of the current SES/AP: | For full legend please refer to TR-03 legend page. |
| Route on surface | Water body | Adverse, permanent | Adverse, permanent | |
| Depot, station, headhouse or portal building | Woodland | Adverse, temporary | Adverse, temporary | |
| Land potentially required during construction | Construction traffic routes | Beneficial, temporary | Beneficial, temporary | |
| Community area boundary | | Beneficial, permanent | Beneficial, permanent | |
| County boundary | | | | |
| District/Borough boundary | | | | |

Map Number: **TR-03-306-R1**

Map Name: **Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES**

Community Area MA02: **Wimboldsley to Lostock Gtalam**

HS2

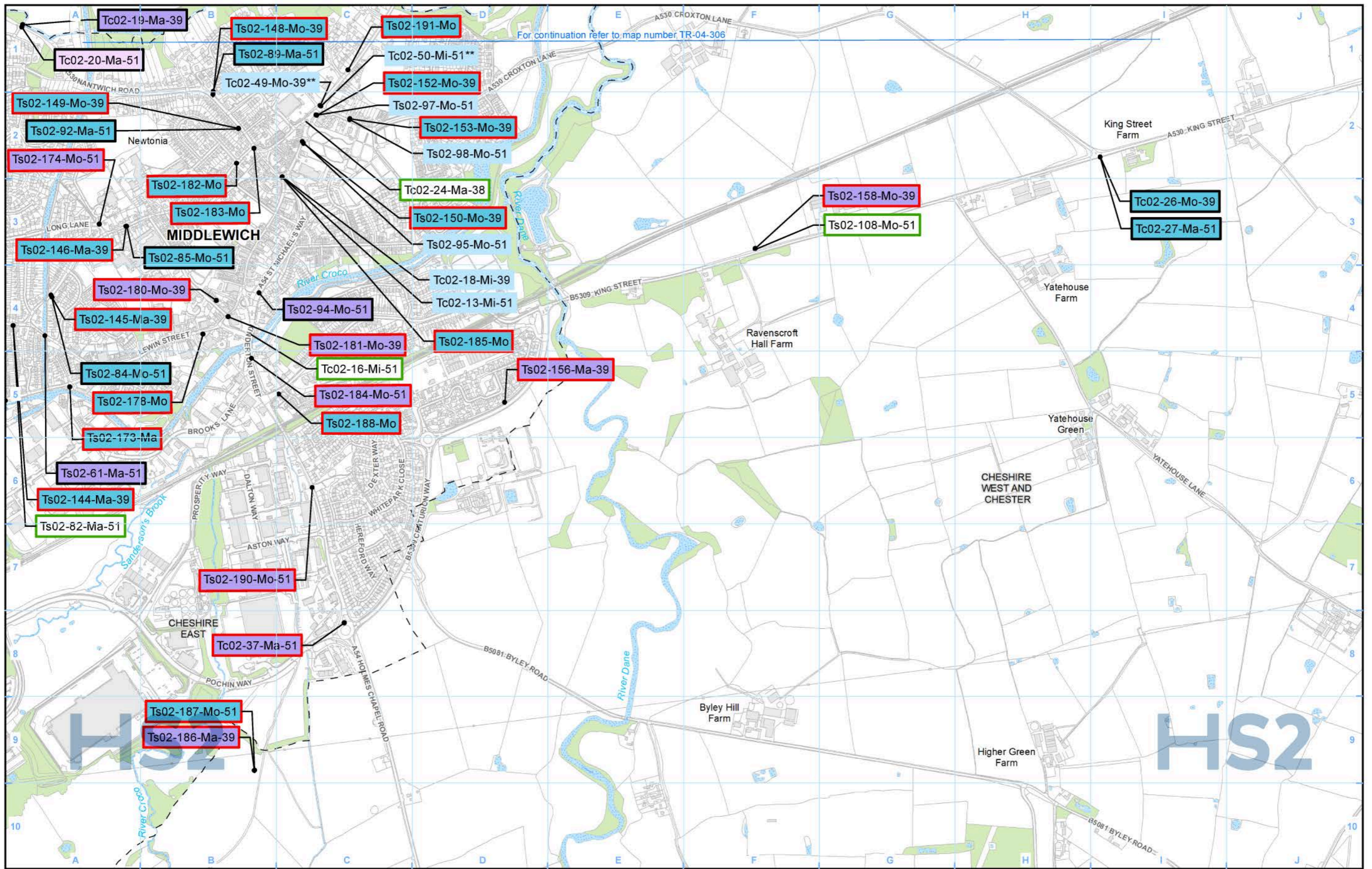
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Date: 03/05/23

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For continuation refer to map number TR-04-306

Legend

| | | | |
|--|--|--|-------------|
| | Route in tunnel | | Watercourse |
| | Route on surface | | Water body |
| | Depot, station, headhouse or portal building | | Woodland |
| | Community area boundary | | |
| | County boundary | | |
| | District/Borough boundary | | |

| | |
|---|---|
| Operational significant effects arising as a result of the current SES/AP: | Operational significant effects unchanged as a result of the current SES/AP: |
| | |
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| | |
| | |

For full legend please refer to TR-04 legend page.

| | |
|------------|---|
| Map Number | TR-04-306-R1 |
| Map Name | Significant Residual Transport Effects Arising from Operation SES2 and AP2 ES |
| | Community Area MA02: Wimboldsley to Lostock Gralam |

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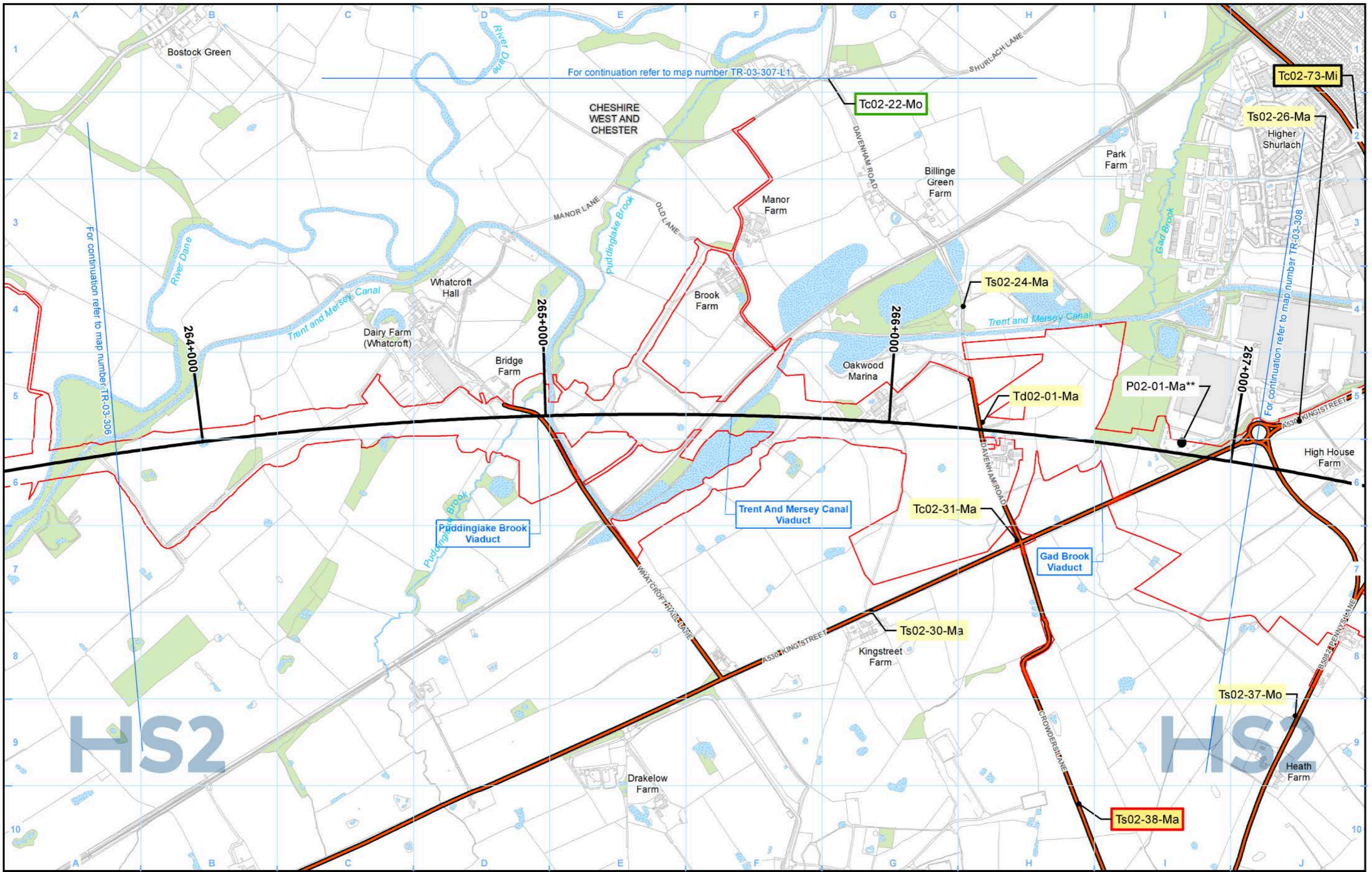
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Doc Number: 2PT27-MWJ-EV-MAP-M000-002649-P01

Date: 13/04/23





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 Construction traffic routes | <p>Construction significant effects arising as a result of the current SES/AP:</p> <ul style="list-style-type: none"> Adverse, permanent Adverse, temporary Beneficial, temporary Beneficial, permanent | <p>Construction significant effects unchanged as a result of the current SES/AP:</p> <ul style="list-style-type: none"> Adverse, permanent Adverse, temporary Beneficial, temporary Beneficial, permanent | <p>For full legend please refer to TR-03 legend page.</p> |
|---|--|---|---|---|

Map Number: **TR-03-307**

Map Name: **Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES**

Community Area MA02: Wimboldsley to Lostock Gt

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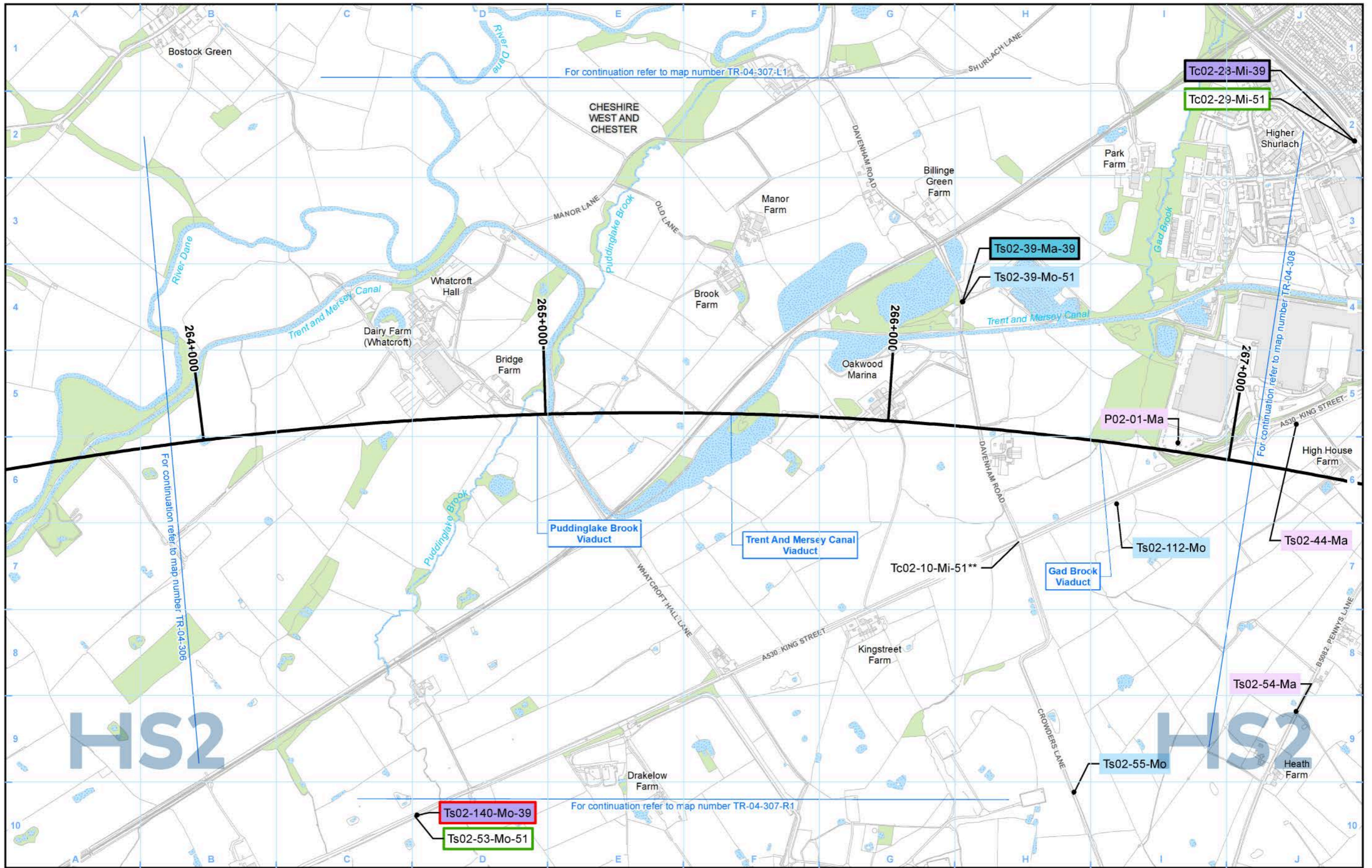
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Date: 03/05/23

Scale at A3: 1:10,000

Metres



- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary
 - Watercourse
 - Water body
 - Woodland

- Operational significant effects arising as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-307

Map Name: Significant Residual Transport Effects Arising from Operation SES2 and AP2 ES

Community Area MA02: Wimboldsley to Lostock Gralam

HS2

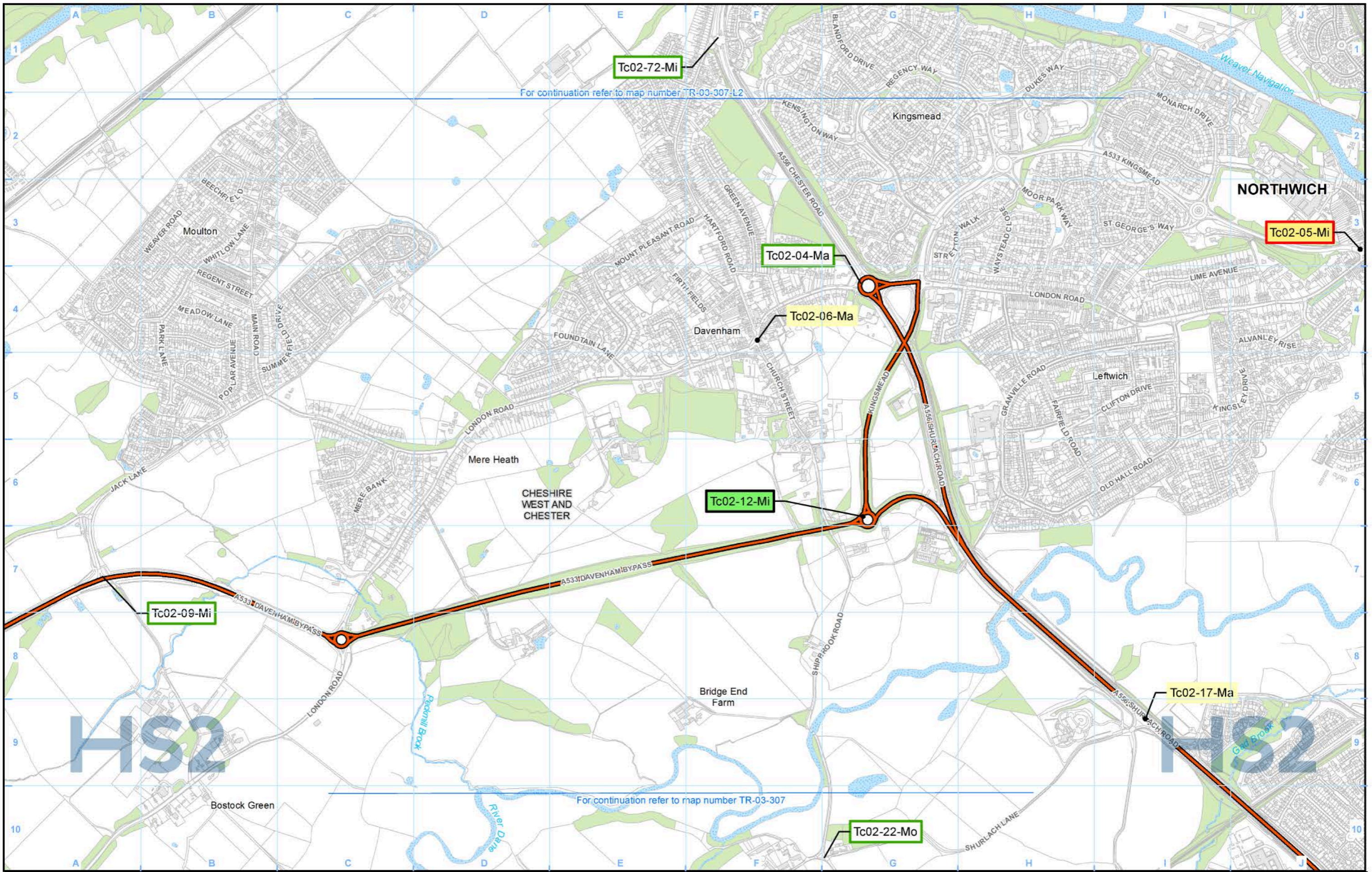
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Date: 13/04/23

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For continuation refer to map number TR-03-307-L2

For continuation refer to map number TR-03-307

- 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
 - Construction traffic routes

- Construction significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Construction significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-03 legend page.

Map Number: TR-03-307-L1

Map Name: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES

Community Area MA02: Wimboldsley to Lostock Gram

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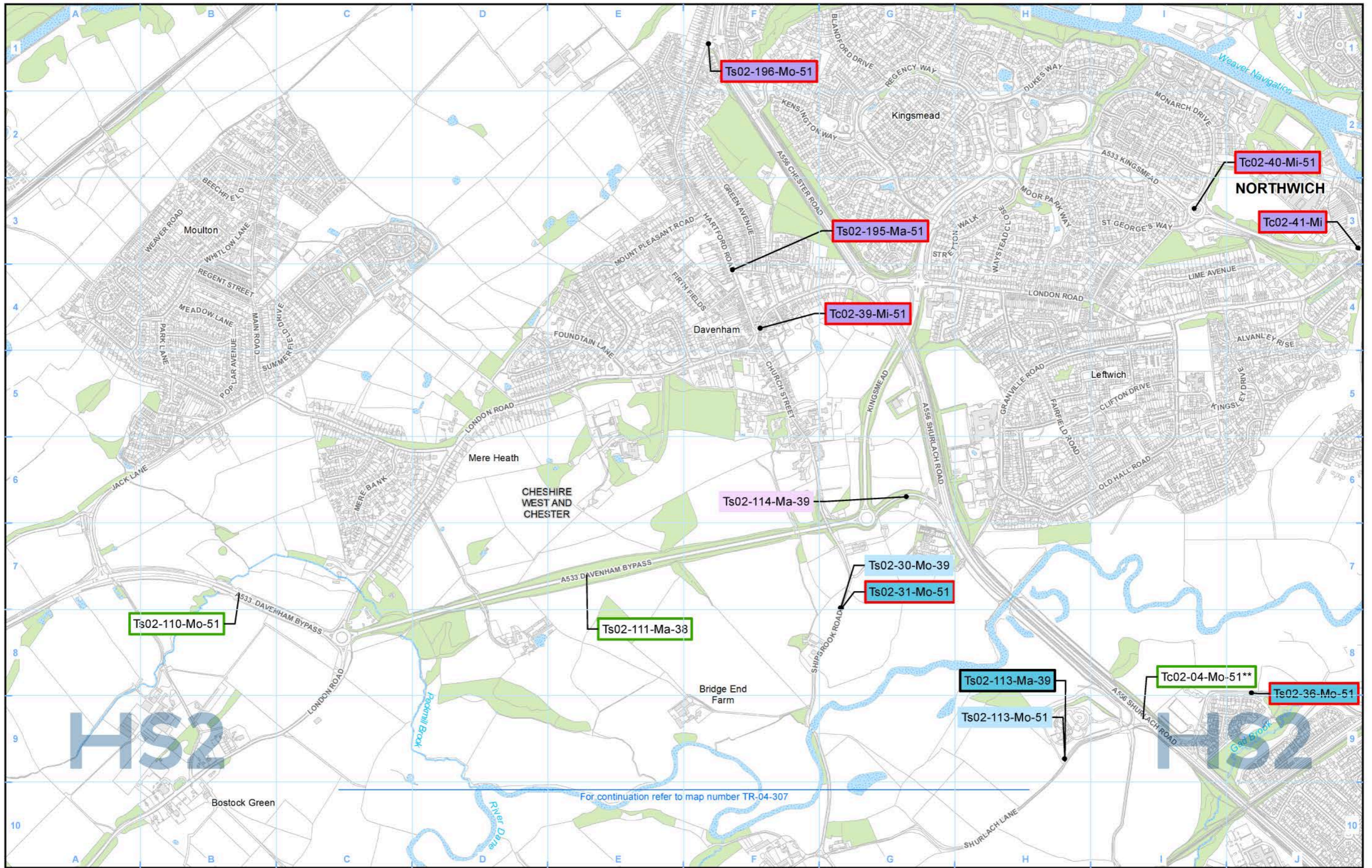
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Doc Number: 2PT27-MWJ-EV-MAP-M000-002898-P01

Date: 03/05/23

Scale at A3: 1:10,000

Metres



Legend

| | | | |
|--|--|--|-------------|
| | Route in tunnel | | Watercourse |
| | Route on surface | | Water body |
| | Depot, station, headhouse or portal building | | Woodland |
| | Community area boundary | | |
| | County boundary | | |
| | District/Borough boundary | | |

| | |
|---|---|
| Operational significant effects arising as a result of the current SES/AP: | Operational significant effects unchanged as a result of the current SES/AP: |
| Adverse, permanent | Adverse, permanent |
| Adverse, temporary | Adverse, temporary |
| Beneficial, temporary | Beneficial, temporary |
| Beneficial, permanent | Beneficial, permanent |

For full legend please refer to TR-04 legend page.

| | |
|------------|---|
| Map Number | TR-04-307-L1 |
| Map Name | Significant Residual Transport Effects Arising from Operation SES2 and AP2 ES |
| | Community Area MA02: Wimboldsley to Lostock Gralam |

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Scale at A3: 1:10,000

Metres

HS2

HS2

For continuation refer to map number TR-04-307



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 |
| | Construction traffic routes |

Construction significant effects arising as a result of the current SES/AP:

| | |
|--|-----------------------|
| | Adverse, permanent |
| | Adverse, temporary |
| | Beneficial, temporary |
| | Beneficial, permanent |

Construction significant effects unchanged as a result of the current SES/AP:

| | |
|--|-----------------------|
| | Adverse, permanent |
| | Adverse, temporary |
| | Beneficial, temporary |
| | Beneficial, permanent |

For full legend please refer to TR-03 legend page.

| | |
|--|--|
| Map Number | TR-03-307-L2 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area MA02: Wimboldsley to Lostock Grlam | |

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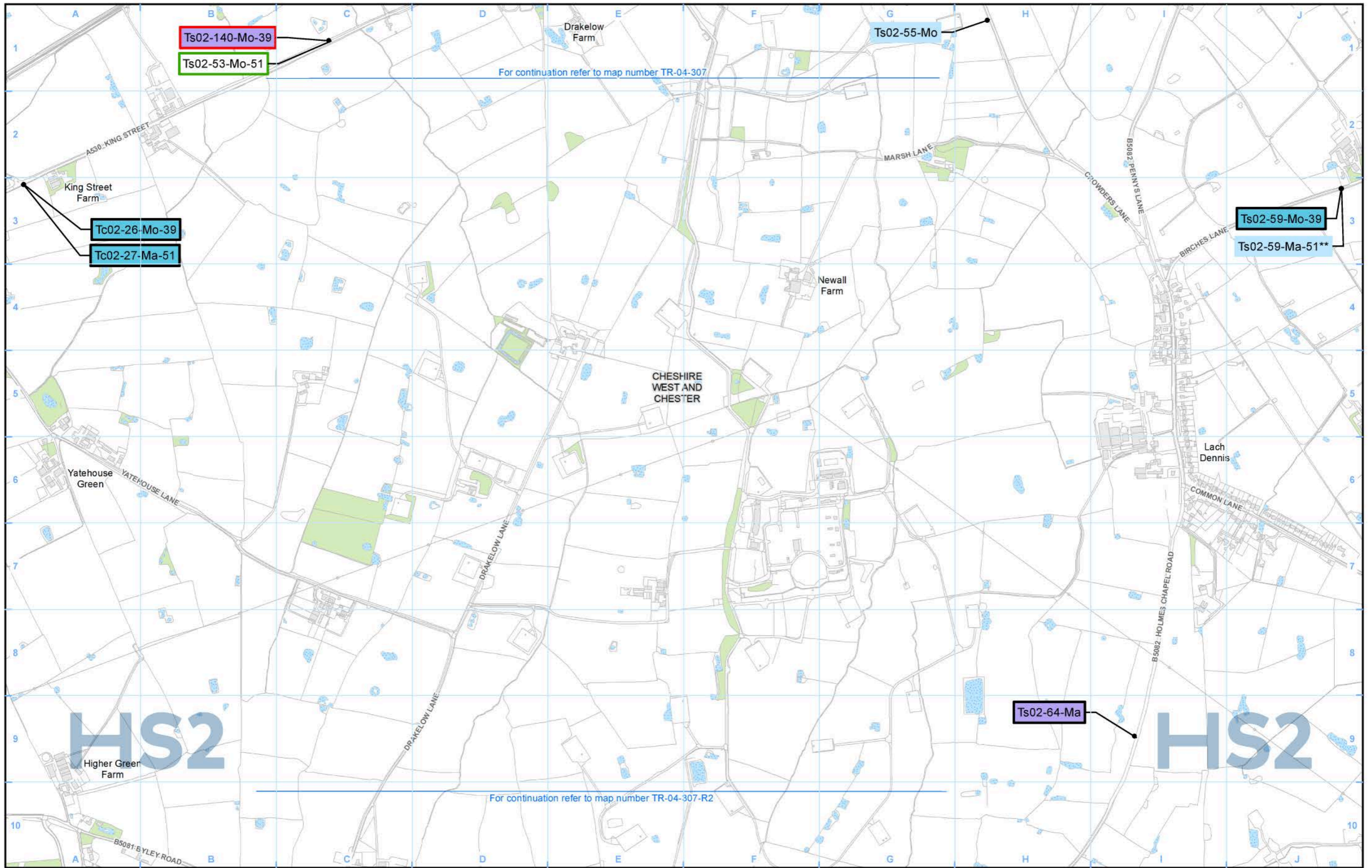
Scale at A3: 1:10,000

Metres

Date: 03/05/23

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Legend

| | |
|--|--|
| | Route in tunnel |
| | Route on surface |
| | Depot, station, headhouse or portal building |
| | Community area boundary |
| | County boundary |
| | District/Borough boundary |

| | |
|--|-------------|
| | Watercourse |
| | Water body |
| | Woodland |

| | |
|--|---|
| Operational significant effects arising as a result of the current SES/AP: | Operational significant effects unchanged as a result of the current SES/AP : |
| | Adverse, permanent |
| | Adverse, temporary |
| | Beneficial, temporary |
| | Beneficial, permanent |

For full legend please refer to TR-04 legend page.

| | |
|------------|---|
| Map Number | TR-04-307-R1 |
| Map Name | Significant Residual Transport Effects Arising from Operation SES2 and AP2 ES |
| | Community Area MA02: Wimboldsley to Lostock Gralam |

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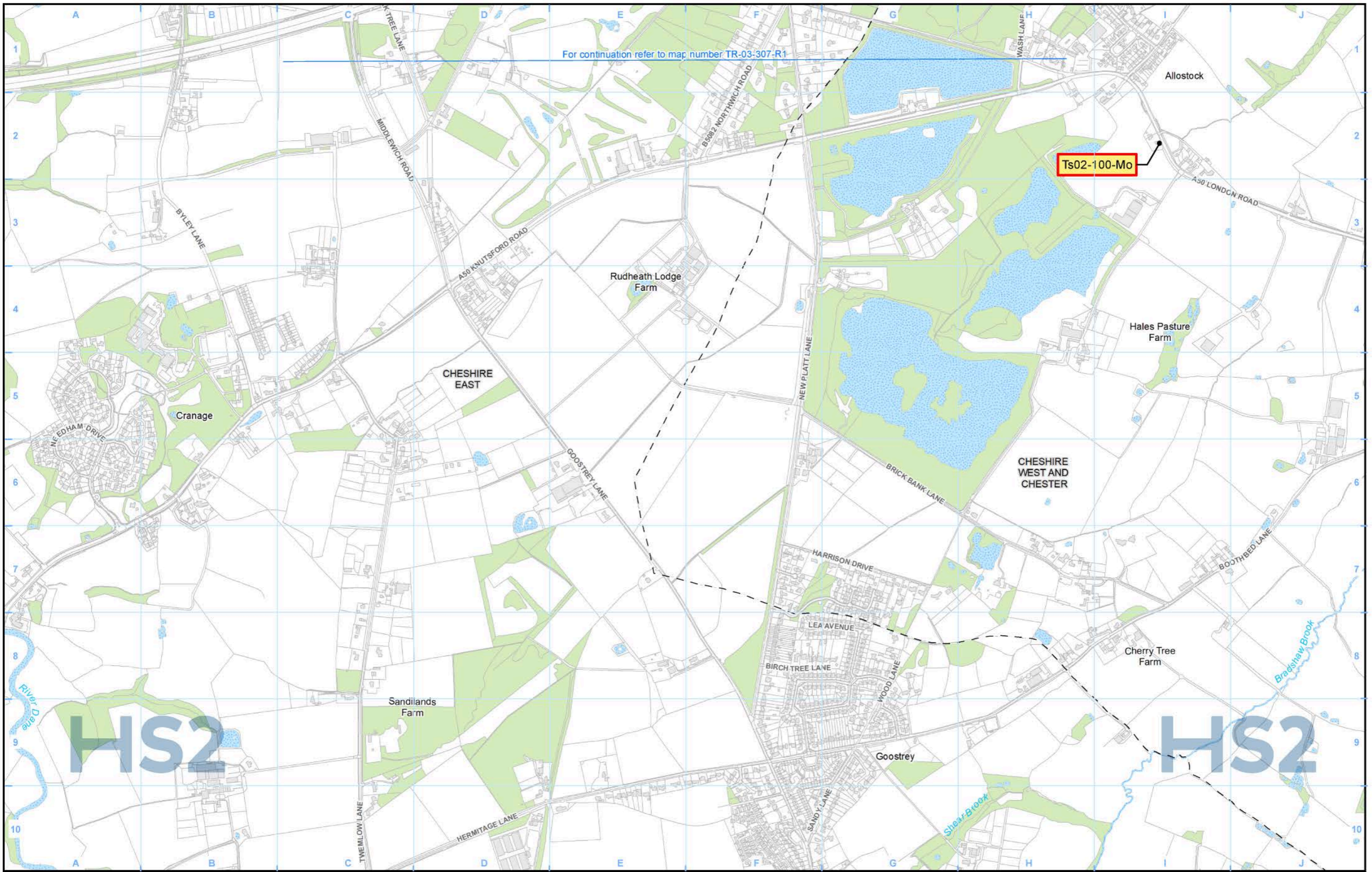
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Date: 13/04/23

For continuation refer to map number TR-03-307-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
- Construction traffic routes

- Construction significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

- Construction significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-03 legend page.

Map Number: TR-03-307-R2

Map Name: Significant Residual Transport Effects Arising from Construction SES2 and AP2 ES

Community Area MA02: Wimboldsley to Lostock Gram

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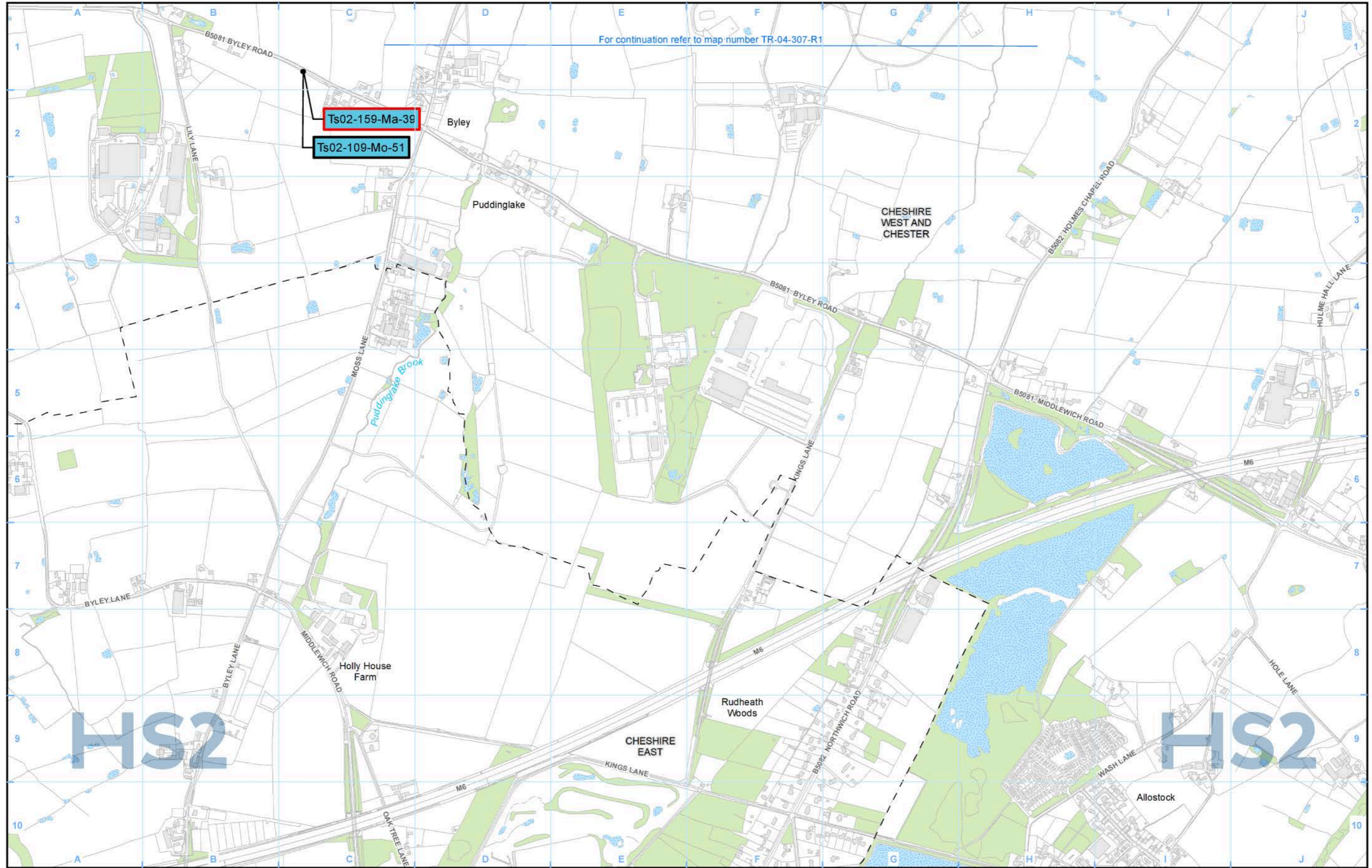
Doc Number: 2PT27-MWJ-EV-MAP-M000-004704-P01

Date: 03/05/23

Scale at A3: 1:10,000

Metres

For continuation refer to map number TR-04-307-R1



- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland

- Operational significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-307-R2

Map Name: Significant Residual Transport Effects Arising from Operation SES2 and AP2 ES

Community Area MA02: Wimboldsley to Lostock Gralam

HS2

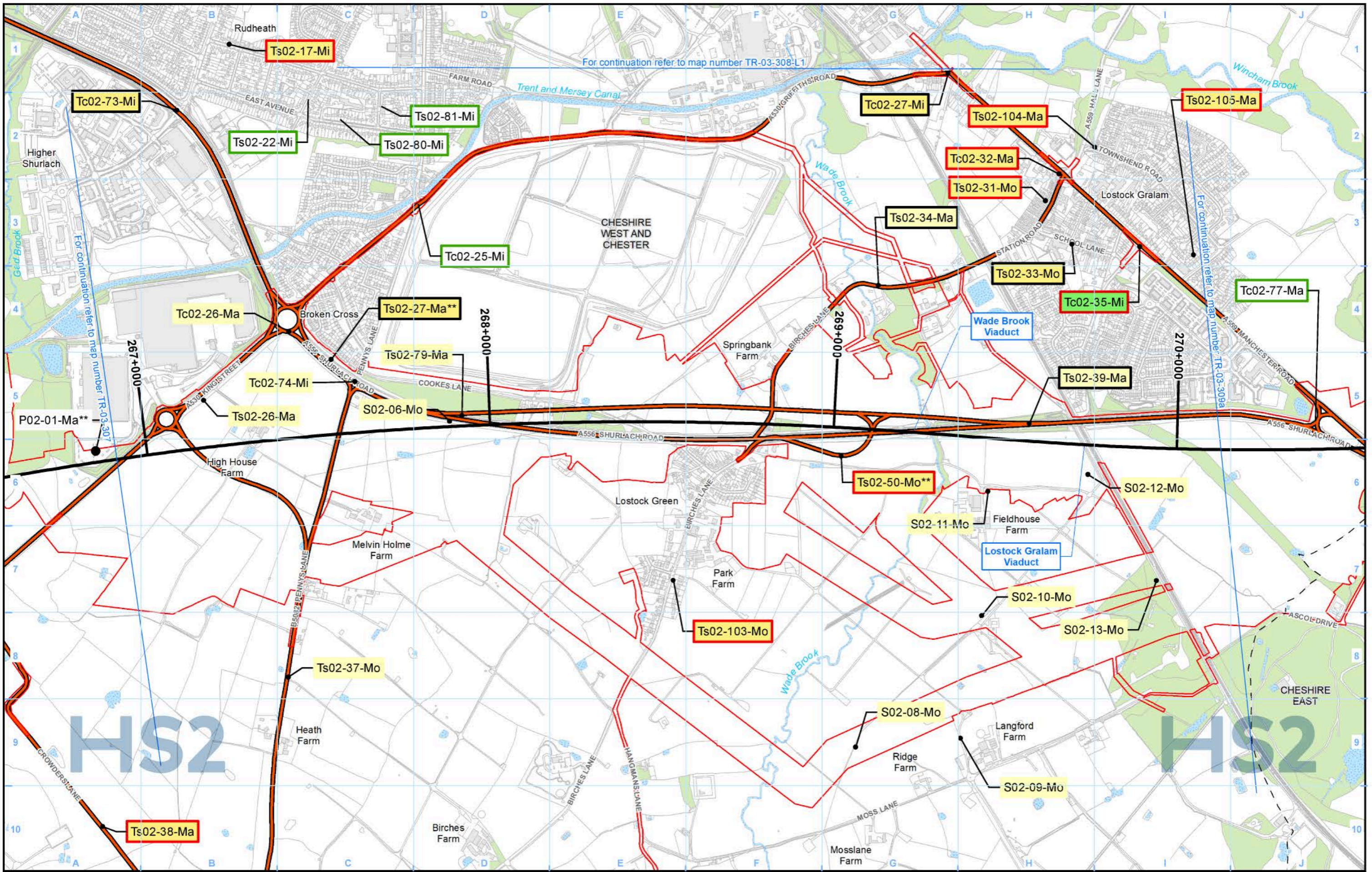
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- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Land potentially required during construction
 - Community area boundary
 - County boundary
 - District/Borough boundary
 - Watercourse
 - Water body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

- Construction significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

- Construction significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-03 legend page.

Map Number: TR-03-308

Map Name: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES

Community Area MA02: Wimboldsley to Lostock Gralam

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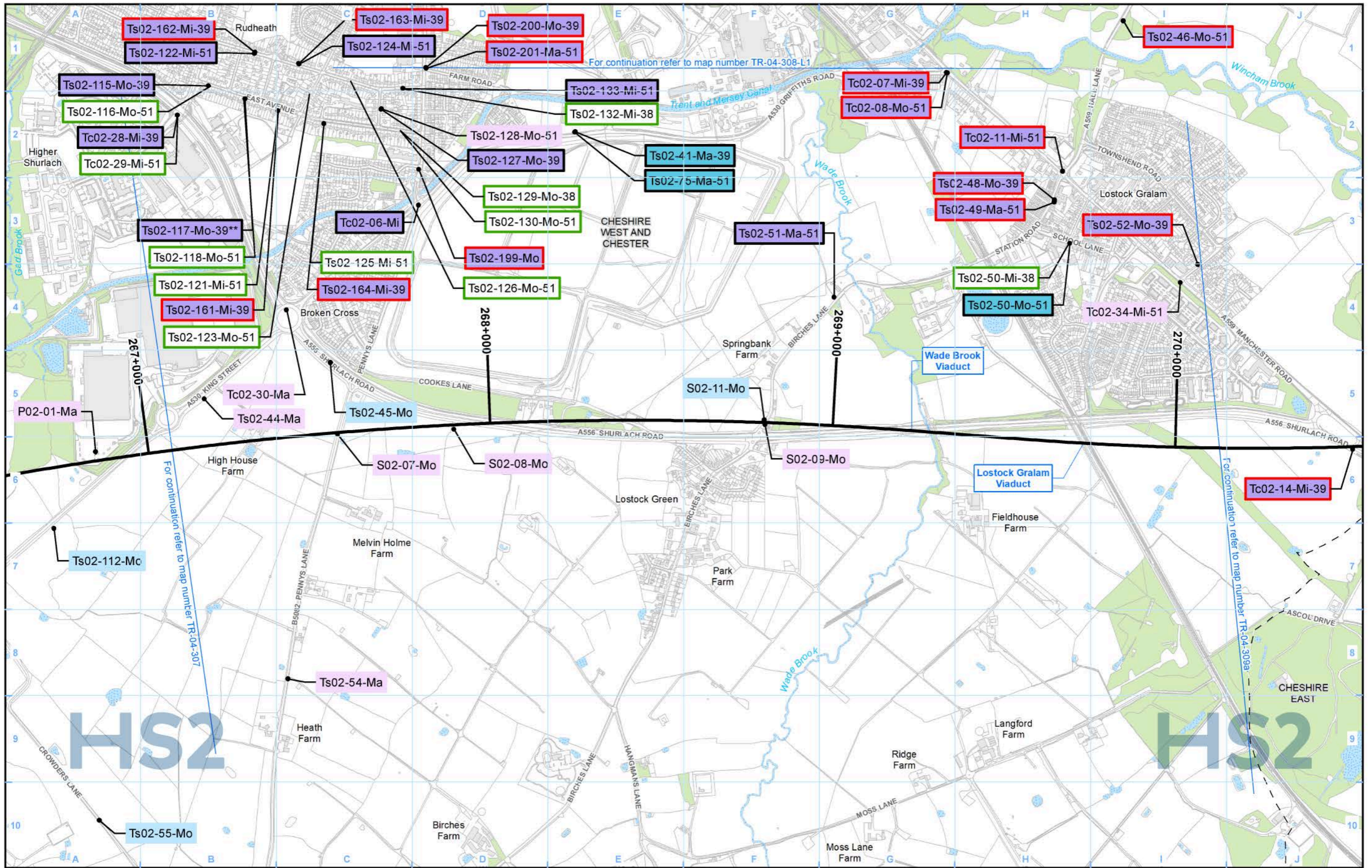
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Metres



For continuation refer to map number TR-04-308-L1

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

Legend

| | | | |
|--|--|--|-------------|
| | Route in tunnel | | Watercourse |
| | Route on surface | | Water body |
| | Depot, station, headhouse or portal building | | Woodland |
| | Community area boundary | | |
| | County boundary | | |
| | District/Borough boundary | | |

| | |
|---|---|
| Operational significant effects arising as a result of the current SES/AP: | Operational significant effects unchanged as a result of the current SES/AP: |
| Adverse, permanent | Adverse, permanent |
| Adverse, temporary | Adverse, temporary |
| Beneficial, temporary | Beneficial, temporary |
| Beneficial, permanent | Beneficial, permanent |

For full legend please refer to TR-04 legend page.

| | |
|------------|---|
| Map Number | TR-04-308 |
| Map Name | Significant Residual Transport Effects Arising from Operation SES2 and AP2 ES |
| | Community Area MA02: Wimboldsley to Lostock Gralam |

HS2

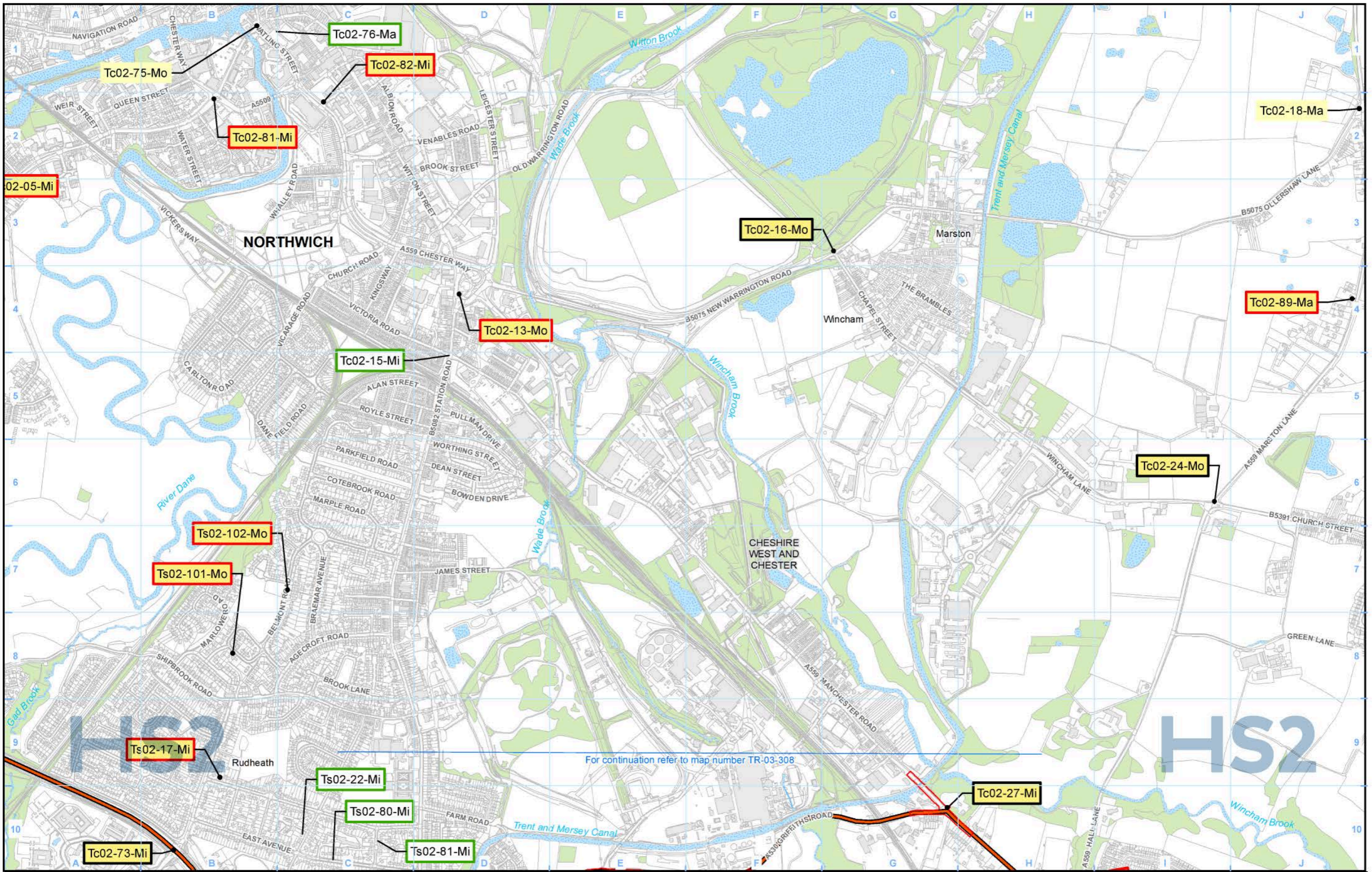
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- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Land potentially required during construction
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland
- Construction traffic routes

- Construction significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

- Construction significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-03 legend page.

Map Number: TR-03-308-L1

Map Name: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES

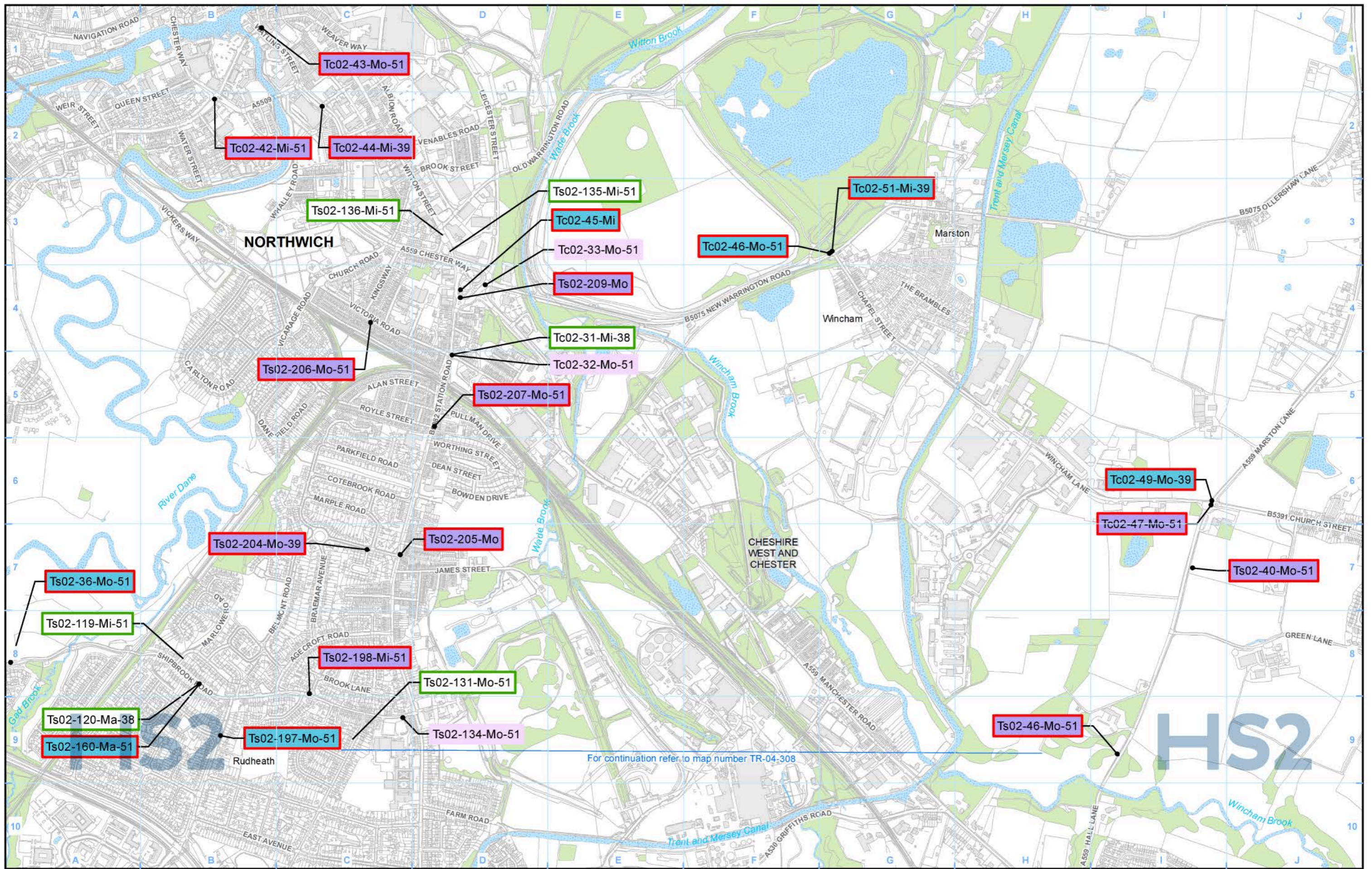
Community Area MA02: Wimboldsley to Lostock Gtalam

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For continuation refer to map number TR-04-308

- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland

- Operational significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: **TR-04-308-L1**

Map Name: **Significant Residual Transport Effects Arising from Operation SES2 and AP2 ES**

Community Area MA02: **Wimboldsley to Lostock Gralam**

HS2

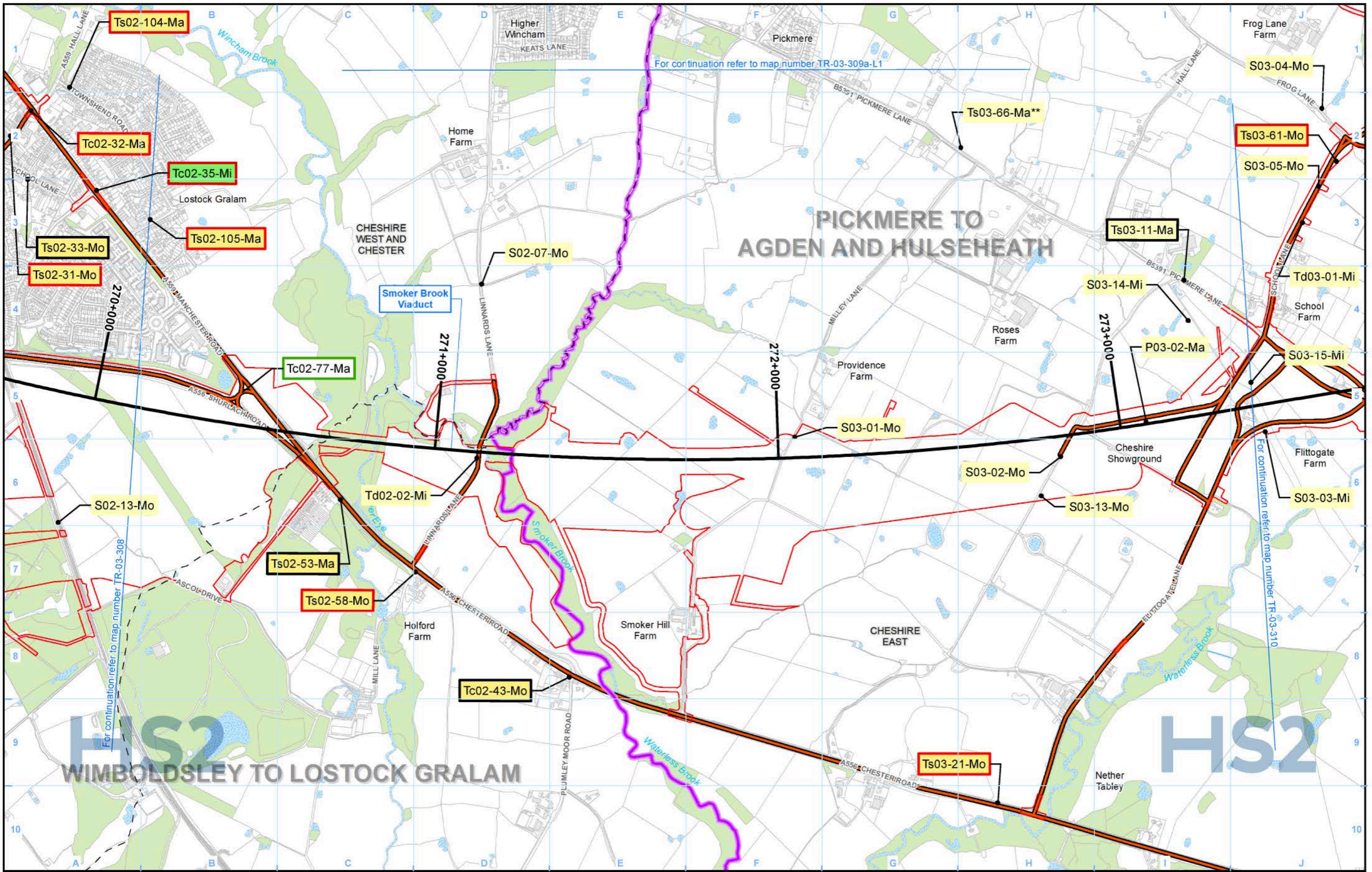
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Date: 13/04/23



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 Construction traffic routes | <p>Construction significant effects arising as a result of the current SES/AP:</p> <ul style="list-style-type: none"> Adverse, permanent Adverse, temporary Beneficial, temporary Beneficial, permanent | <p>Construction significant effects unchanged as a result of the current SES/AP:</p> <ul style="list-style-type: none"> Adverse, permanent Adverse, temporary Beneficial, temporary Beneficial, permanent | <p>For full legend please refer to TR-03 legend page.</p> |
|---|--|---|---|---|

Map Number: TR-03-309a

Map Name: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES

Community Area MA02: Wimboldsley to Lostock Gralam

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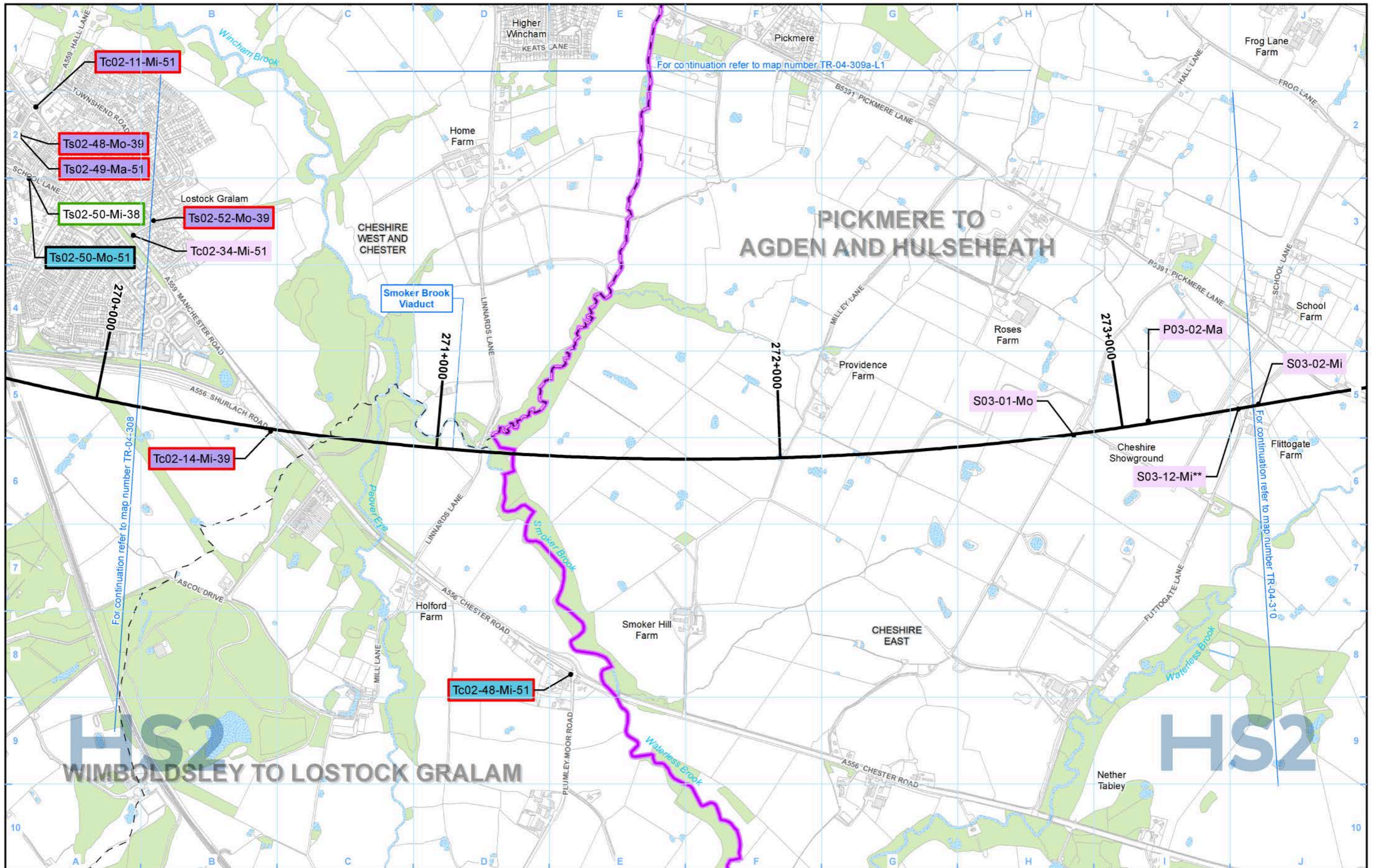
Doc Number: 2PT27-MWJ-EV-MAP-M000-002152-P01

Date: 03/05/23

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Scale bar: 0 to 400 Metres

North arrow symbol



Legend

| | | | |
|--|-------------|---|---|
| Route in tunnel | Watercourse | Operational significant effects arising as a result of the current SES/AP: | Operational significant effects unchanged as a result of the current SES/AP: |
| Route on surface | Water body | Adverse, permanent | Adverse, permanent |
| Depot, station, headhouse or portal building | Woodland | Adverse, temporary | Adverse, temporary |
| Community area boundary | | Beneficial, temporary | Beneficial, temporary |
| County boundary | | Beneficial, permanent | Beneficial, permanent |
| District/Borough boundary | | | |

For full legend please refer to TR-04 legend page.

Map Number: TR-04-309a

Map Name: Significant Residual Transport Effects Arising from Operation SES2 and AP2 ES

Community Area MA02: Wimboldsley to Lostock Gralam

HS2

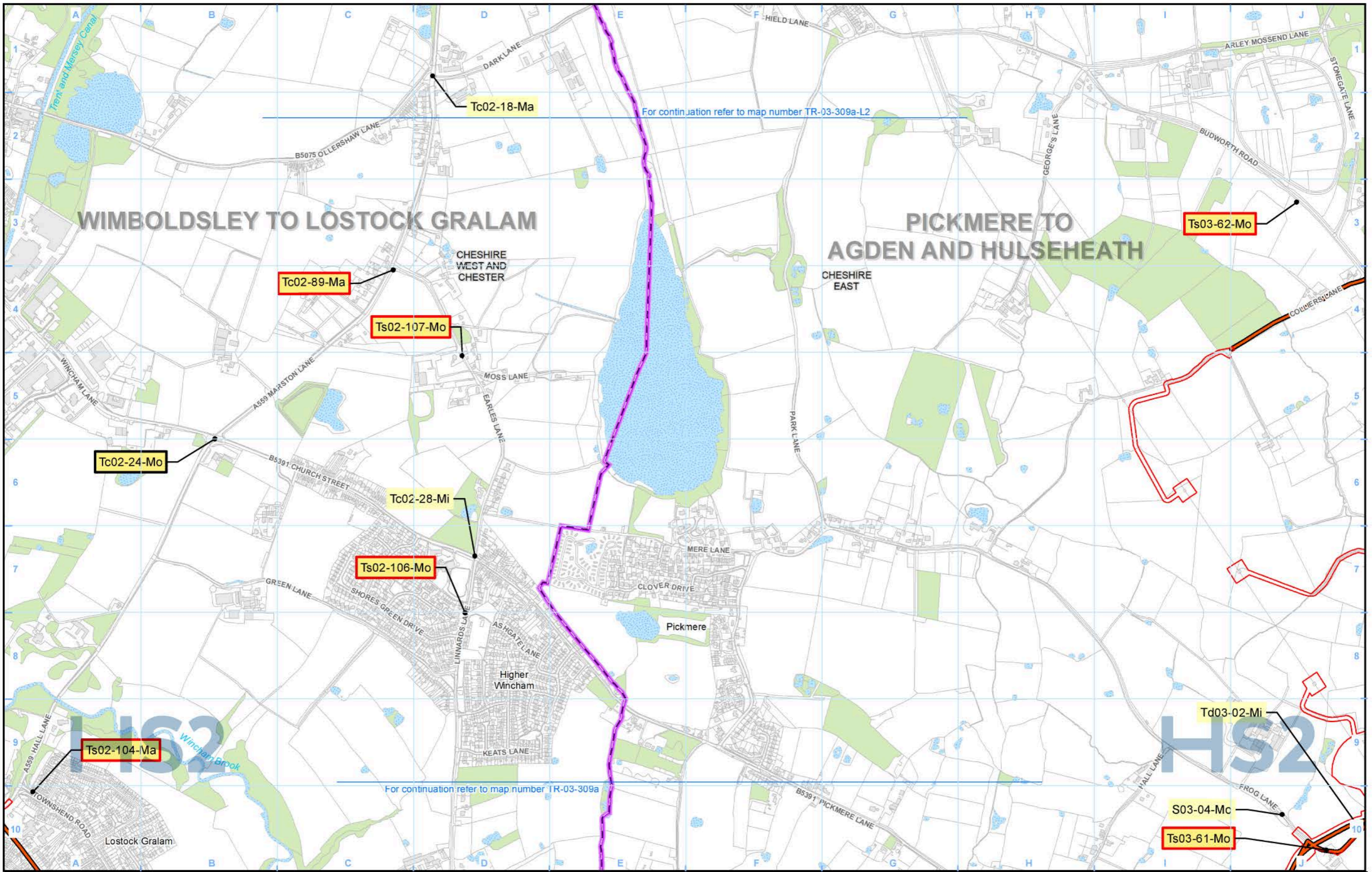
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Date: 13/04/23

Scale at A3: 1:10,000



For continuation refer to map number TR-03-309a-L2

For continuation refer to map number TR-03-309a

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 |
| | Construction traffic routes |

| | |
|---|-----------------------|
| Construction significant effects arising as a result of the current SES/AP: | |
| | Adverse, permanent |
| | Adverse, temporary |
| | Beneficial, temporary |
| | Beneficial, permanent |

| | |
|---|-----------------------|
| Construction significant effects unchanged as a result of the current SES/AP: | |
| | Adverse, permanent |
| | Adverse, temporary |
| | Beneficial, temporary |
| | Beneficial, permanent |

For full legend please refer to TR-03 legend page.

| | |
|---|--|
| Map Number | TR-03-309a-L1 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area MA02: Wimboldsley to Lostock Gralam | |

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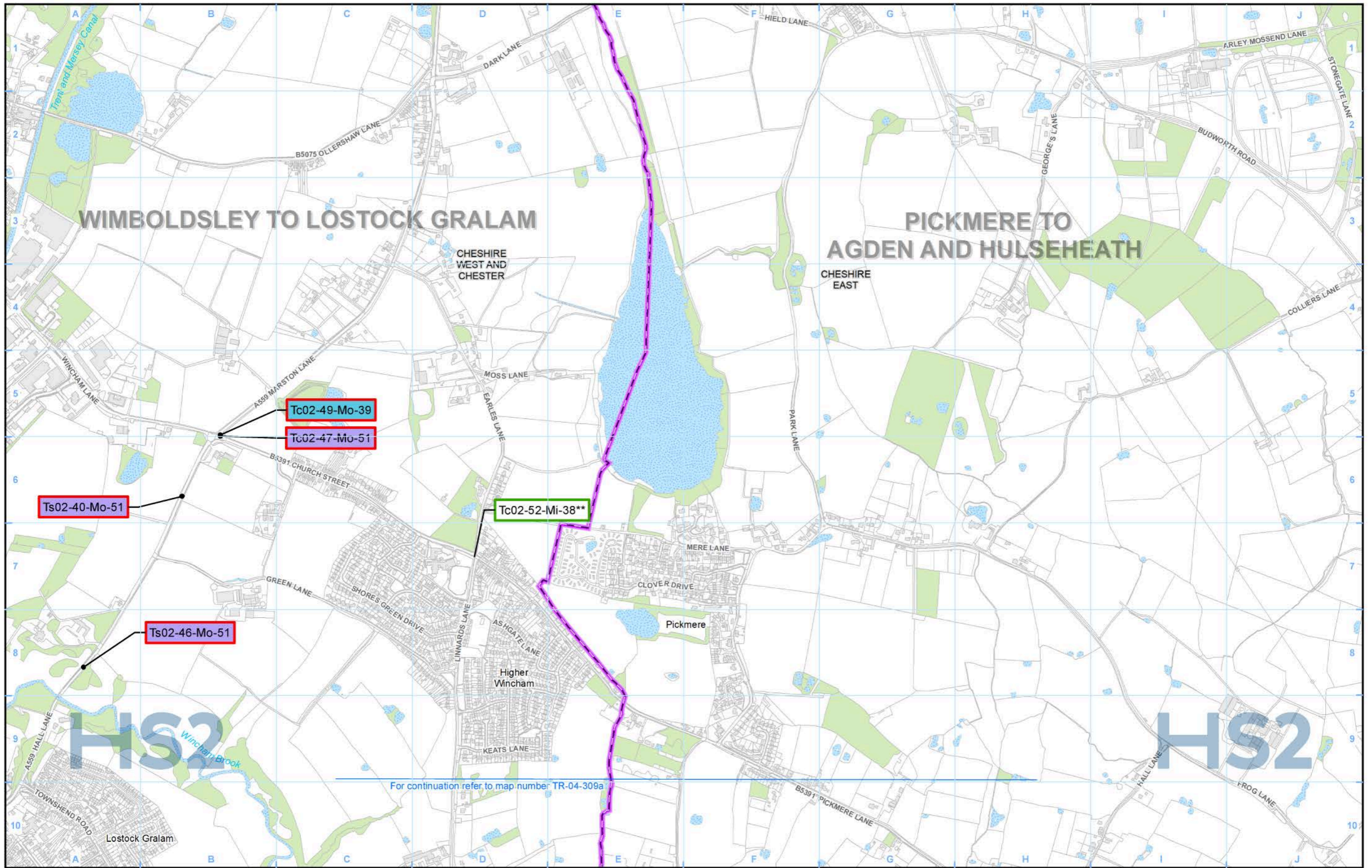
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Scale at A3: 1:10,000

Metres

Date: 03/05/23



WIMBOLDSLEY TO LOSTOCK GRALAM

PICKMERE TO AGDEN AND HULSEHEATH

Tc02-49-Mo-39

Tc02-47-Mo-51

Ts02-40-Mo-51

Tc02-52-Mi-38**

Ts02-46-Mo-51

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

- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland

- Operational significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-309a-L1

Map Name: Significant Residual Transport Effects Arising from Operation SES2 and AP2 ES

Community Area MA02: Wimboldsley to Lostock Gralam

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Metres



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 |
| | Construction traffic routes |

| | |
|---|---|
| <p>Construction significant effects arising as a result of the current SES/AP:</p> <ul style="list-style-type: none"> Adverse, permanent Adverse, temporary Beneficial, temporary Beneficial, permanent | <p>Construction significant effects unchanged as a result of the current SES/AP:</p> <ul style="list-style-type: none"> Adverse, permanent Adverse, temporary Beneficial, temporary Beneficial, permanent |
|---|---|

For full legend please refer to TR-03 legend page.

| | |
|---|--|
| Map Number | TR-03-309a-L2 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area MA02: Wimboldsley to Lostock Gralam | |

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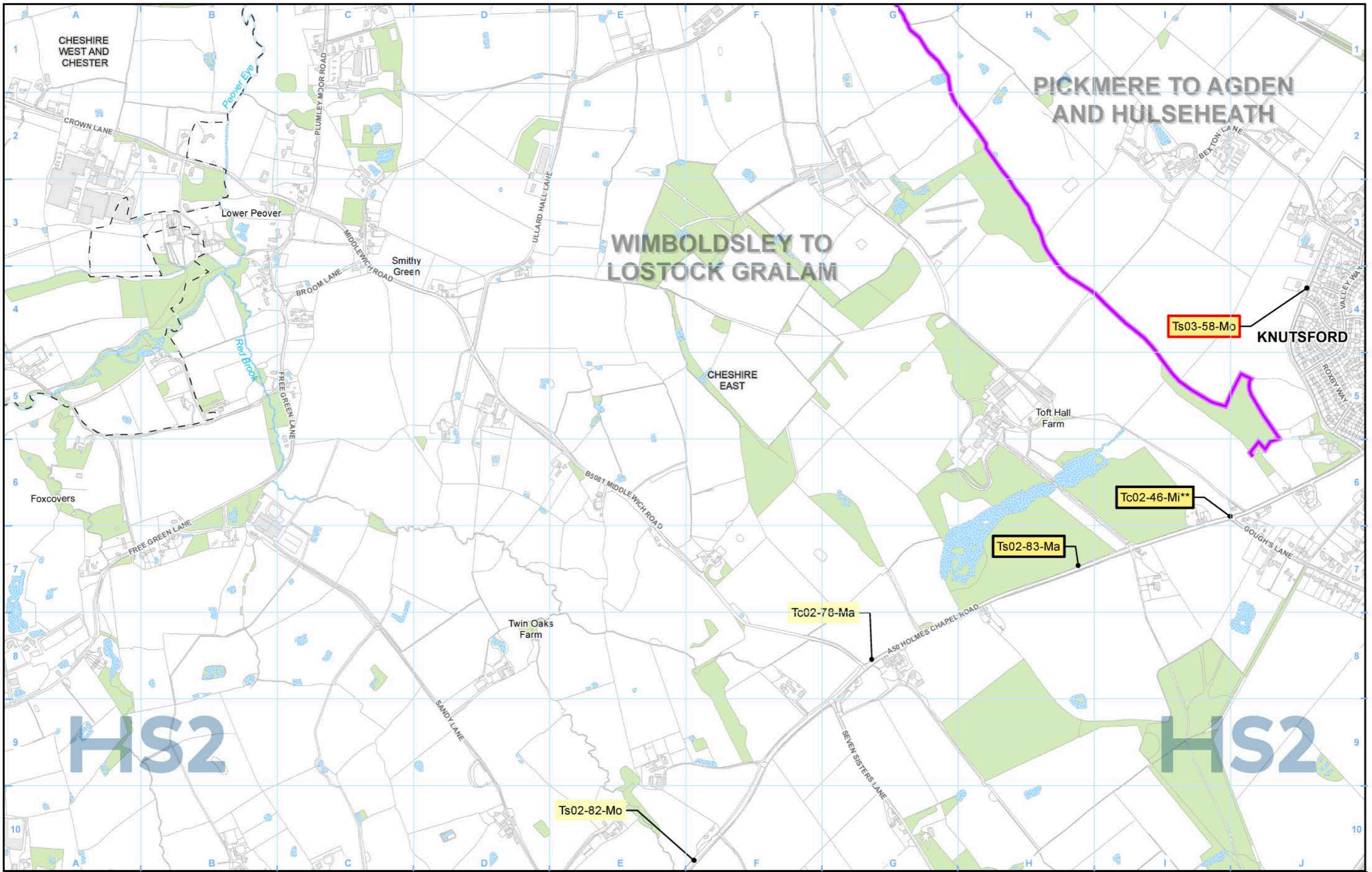
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Date: 03/05/23

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| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | | For full legend please refer to TR-03 legend page. |
|--------|---|---|-----------------------------|---|-----------------------|--|
| | Route in tunnel | | Watercourse | | Adverse, permanent | |
| | Route on surface | | Water body | | Adverse, temporary | |
| | Depot, station, headhouse or portal building | | Woodland | | Beneficial, temporary | |
| | Land potentially required during construction | | Construction traffic routes | | Beneficial, permanent | |
| | Community area boundary | | | | | |
| | County boundary | | | | | |
| | District/Borough boundary | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Map Number: TR-03-309a-R1

Map Name: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES

Community Area MA02: Wimboldsley to Lostock Gralam

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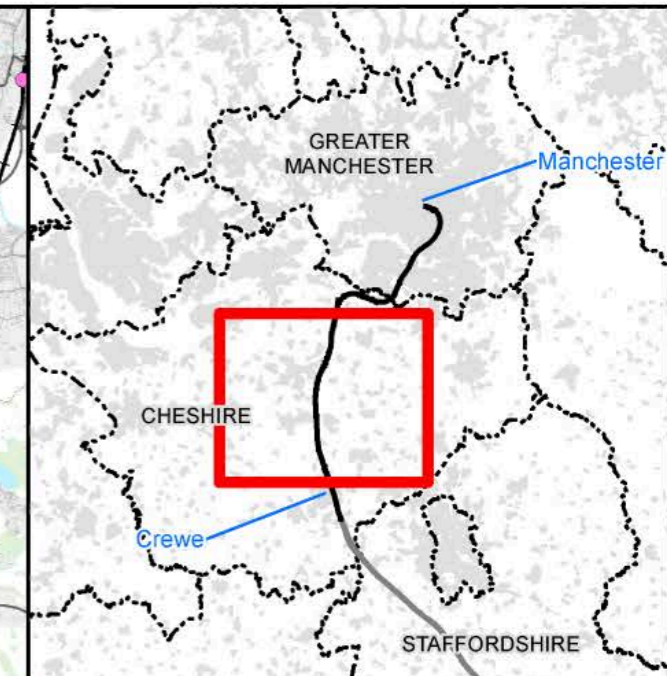
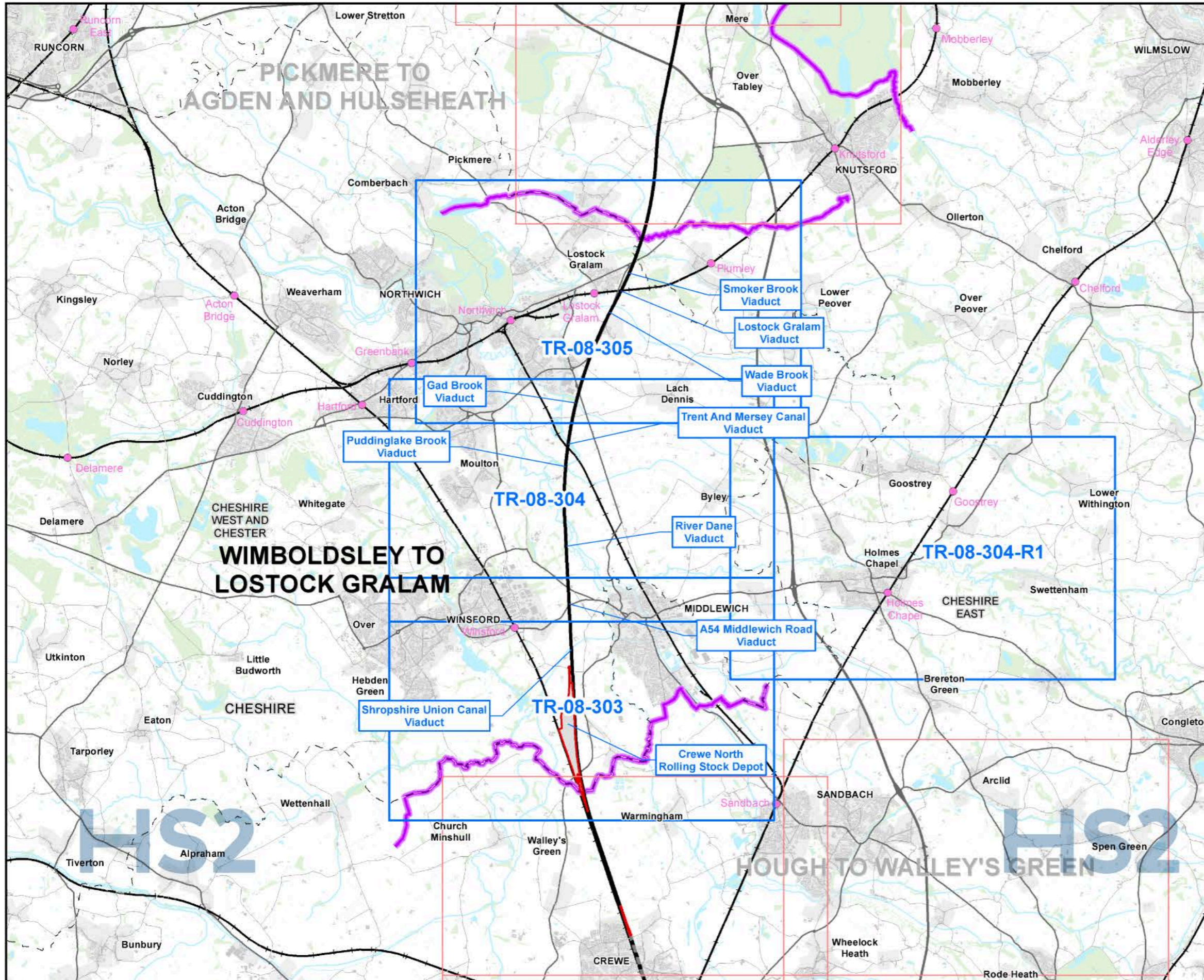
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Date: 03/05/23

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Metres

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Map Series Information:

This map series identifies the construction routes to the strategic network for each CA. This shows the construction and site-haul routes from each compound and the through routes for both construction and site-haul. The maps also show the locations of the construction compound.

- Main Map Legend**
- Route in tunnel; Underground Box
 - 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: TR-08-INDEX-MA02

Map Name: Index Map of: Construction Routes to the Strategic Network SES2 and AP2 ES

Community Area MA02: Wimboldsley to Lostock Gralam

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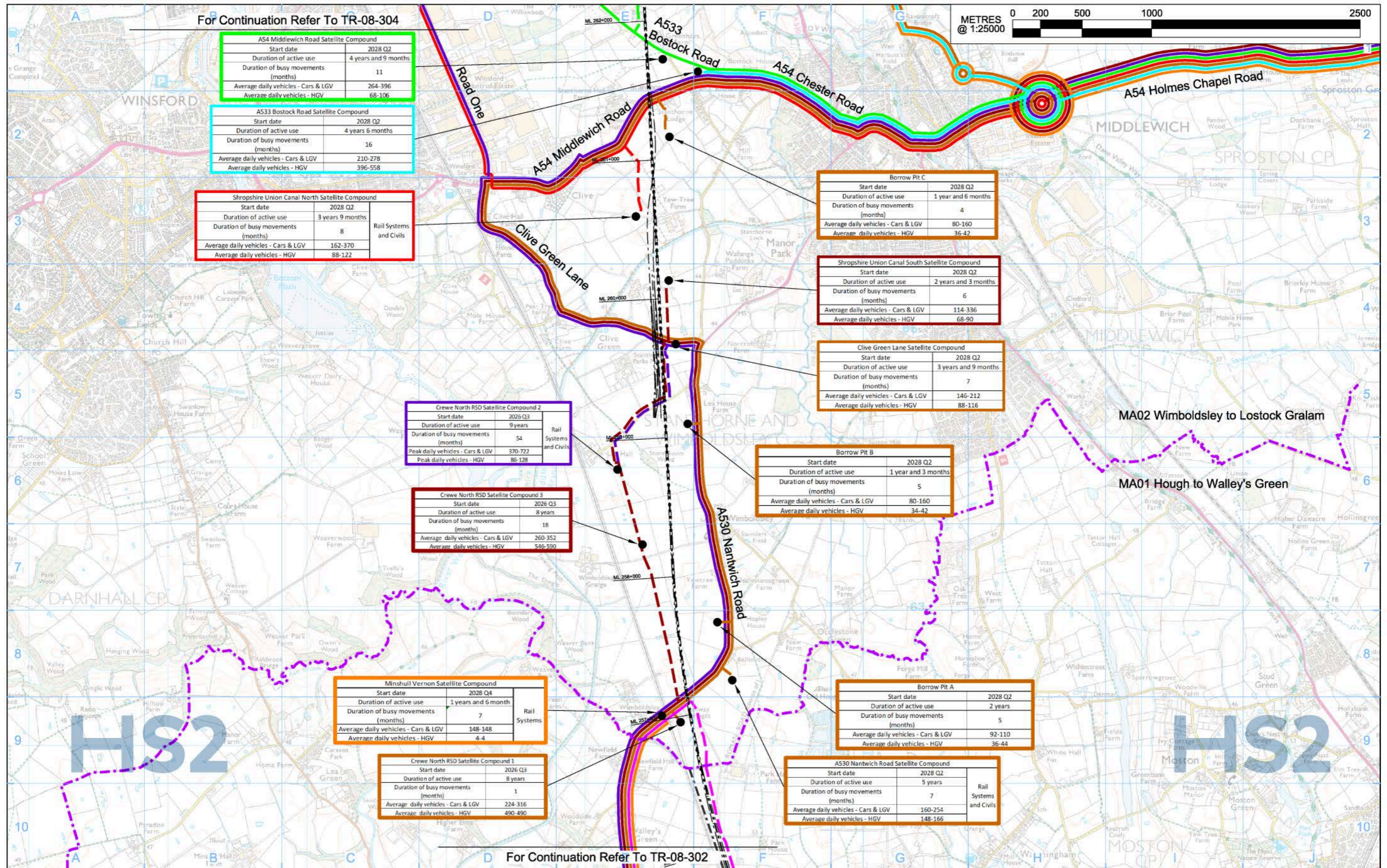
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Doc Number: 2PT27-MWJ-EV-MAP-M000-002236-P01

Date: 29/03/23

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



| | |
|--|----------------------|
| A54 Middlewich Road Satellite Compound | |
| Start date | 2028 Q2 |
| Duration of active use | 4 years and 9 months |
| Duration of busy movements (months) | 11 |
| Average daily vehicles - Cars & LGV | 264-396 |
| Average daily vehicles - HGV | 68-106 |

| | |
|--------------------------------------|------------------|
| A533 Bostock Road Satellite Compound | |
| Start date | 2028 Q2 |
| Duration of active use | 4 years 6 months |
| Duration of busy movements (months) | 16 |
| Average daily vehicles - Cars & LGV | 210-278 |
| Average daily vehicles - HGV | 396-558 |

| | |
|---|-------------------------|
| Shropshire Union Canal North Satellite Compound | |
| Start date | 2028 Q2 |
| Duration of active use | 3 years 9 months |
| Duration of busy movements (months) | 8 |
| Average daily vehicles - Cars & LGV | 162-370 |
| Average daily vehicles - HGV | 88-122 |
| | Rail Systems and Civils |

| | |
|--------------------------------------|-------------------------|
| Crewe North RSD Satellite Compound 2 | |
| Start date | 2026 Q3 |
| Duration of active use | 9 years |
| Duration of busy movements (months) | 54 |
| Peak daily vehicles - Cars & LGV | 370-722 |
| Peak daily vehicles - HGV | 86-128 |
| | Rail Systems and Civils |

| | |
|--------------------------------------|---------|
| Crewe North RSD Satellite Compound 3 | |
| Start date | 2026 Q3 |
| Duration of active use | 8 years |
| Duration of busy movements (months) | 18 |
| Average daily vehicles - Cars & LGV | 260-352 |
| Average daily vehicles - HGV | 346-590 |

| | |
|-------------------------------------|----------------------|
| Minshull Vernon Satellite Compound | |
| Start date | 2028 Q4 |
| Duration of active use | 1 years and 6 months |
| Duration of busy movements (months) | 7 |
| Average daily vehicles - Cars & LGV | 148-148 |
| Average daily vehicles - HGV | 4-4 |
| | Rail Systems |

| | |
|--------------------------------------|---------|
| Crewe North RSD Satellite Compound 1 | |
| Start date | 2026 Q3 |
| Duration of active use | 8 years |
| Duration of busy movements (months) | 1 |
| Average daily vehicles - Cars & LGV | 224-316 |
| Average daily vehicles - HGV | 490-490 |

| | |
|-------------------------------------|---------------------|
| Borrow Pit C | |
| Start date | 2028 Q2 |
| Duration of active use | 1 year and 6 months |
| Duration of busy movements (months) | 4 |
| Average daily vehicles - Cars & LGV | 80-160 |
| Average daily vehicles - HGV | 36-42 |

| | |
|---|----------------------|
| Shropshire Union Canal South Satellite Compound | |
| Start date | 2028 Q2 |
| Duration of active use | 2 years and 3 months |
| Duration of busy movements (months) | 6 |
| Average daily vehicles - Cars & LGV | 114-336 |
| Average daily vehicles - HGV | 68-90 |

| | |
|-------------------------------------|----------------------|
| Clive Green Lane Satellite Compound | |
| Start date | 2028 Q2 |
| Duration of active use | 3 years and 9 months |
| Duration of busy movements (months) | 7 |
| Average daily vehicles - Cars & LGV | 146-212 |
| Average daily vehicles - HGV | 88-116 |

| | |
|-------------------------------------|---------------------|
| Borrow Pit B | |
| Start date | 2028 Q2 |
| Duration of active use | 1 year and 3 months |
| Duration of busy movements (months) | 5 |
| Average daily vehicles - Cars & LGV | 80-160 |
| Average daily vehicles - HGV | 34-42 |

| | |
|-------------------------------------|---------|
| Borrow Pit A | |
| Start date | 2028 Q2 |
| Duration of active use | 2 years |
| Duration of busy movements (months) | 5 |
| Average daily vehicles - Cars & LGV | 92-110 |
| Average daily vehicles - HGV | 36-44 |

| | |
|---------------------------------------|-------------------------|
| A530 Nantwich Road Satellite Compound | |
| Start date | 2028 Q2 |
| Duration of active use | 5 years |
| Duration of busy movements (months) | 7 |
| Average daily vehicles - Cars & LGV | 160-254 |
| Average daily vehicles - HGV | 148-166 |
| | Rail Systems and Civils |

Legend

- Compound Traffic Routes
- Site Haul to Compound
- Through Construction Traffic Routes (To/From Other Scheme Compounds)
- HS2 Route
- Onward Construction Routes
- Community Area boundary
- Through Site Haul to Compound (To/From Other Scheme Compounds)
- Movement of Excavated Material
- Construction Compounds

The compound start dates and estimated duration of active use are based on the Indicative Construction Programme included in the volume 2 Community Area reports. Traffic figures represent two way trips.

Rail system compounds are shown where they are likely to generate more than 24 HGV movements a day in the peak month (average two-way) or are associated with a construction civil engineering works compound. For TR08 drawing route see 2D301-MWJ-TM-DPL-M002-300000

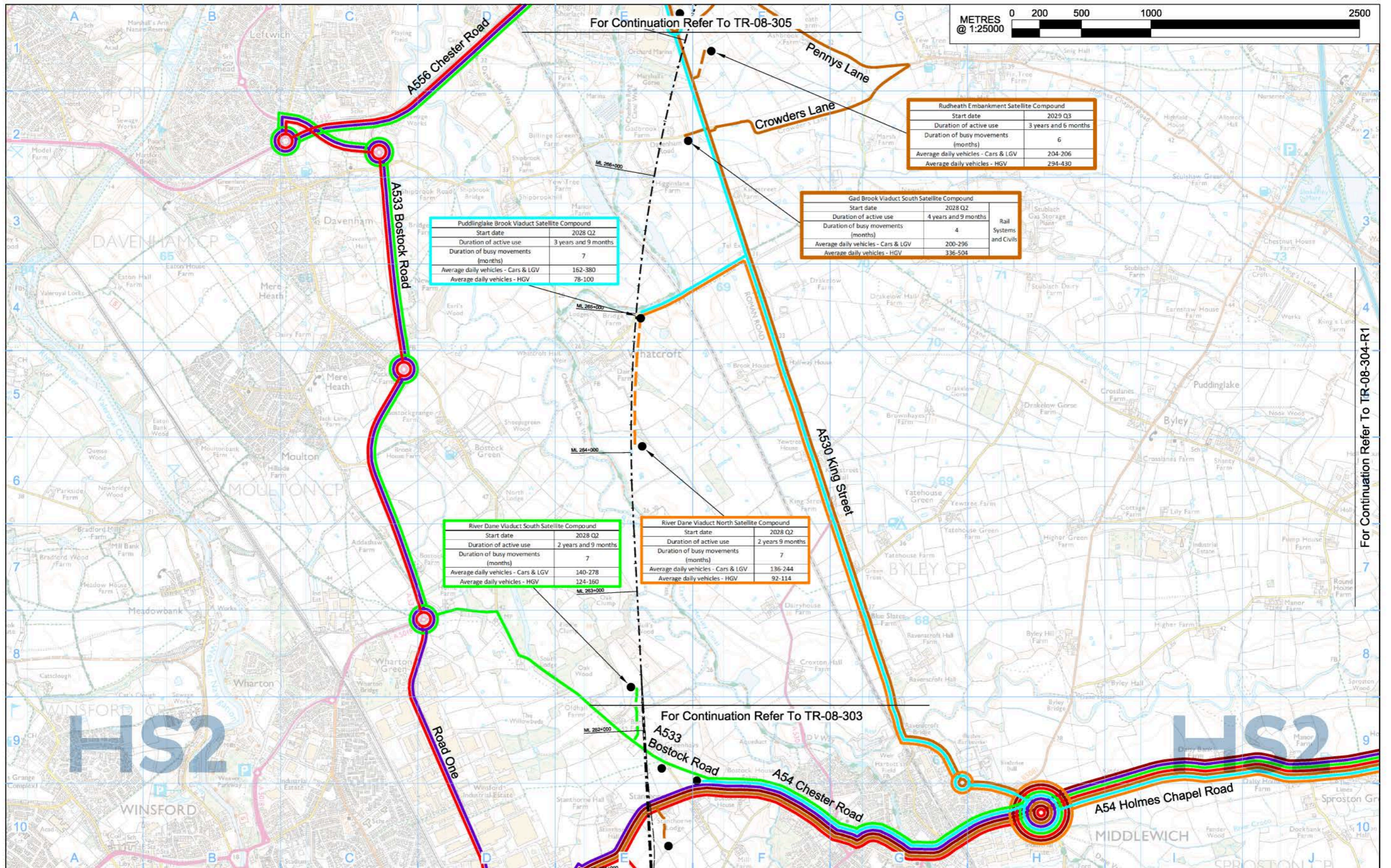
| | |
|----------------|---|
| Map Number | TR-08-303 |
| Map Name | Construction Routes to the Strategic Road Network |
| Community Area | MA02 Wimboldsley to Lostock Grlam |

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METRES 0 200 500 1000 2500
@ 1:25000

| Rudheath Embankment Satellite Compound | |
|--|----------------------|
| Start date | 2029 Q3 |
| Duration of active use | 3 years and 6 months |
| Duration of busy movements (months) | 6 |
| Average daily vehicles - Cars & LGV | 204-206 |
| Average daily vehicles - HGV | 294-430 |

| Gad Brook Viaduct South Satellite Compound | | Rail Systems and Civils |
|--|----------------------|-------------------------|
| Start date | 2028 Q2 | |
| Duration of active use | 4 years and 9 months | |
| Duration of busy movements (months) | 4 | |
| Average daily vehicles - Cars & LGV | 200-296 | |
| Average daily vehicles - HGV | 336-504 | |

| Puddinglake Brook Viaduct Satellite Compound | |
|--|----------------------|
| Start date | 2028 Q2 |
| Duration of active use | 3 years and 9 months |
| Duration of busy movements (months) | 7 |
| Average daily vehicles - Cars & LGV | 162-380 |
| Average daily vehicles - HGV | 78-100 |

| River Dane Viaduct South Satellite Compound | |
|---|----------------------|
| Start date | 2028 Q2 |
| Duration of active use | 2 years and 9 months |
| Duration of busy movements (months) | 7 |
| Average daily vehicles - Cars & LGV | 140-278 |
| Average daily vehicles - HGV | 124-160 |

| River Dane Viaduct North Satellite Compound | |
|---|------------------|
| Start date | 2028 Q2 |
| Duration of active use | 2 years 9 months |
| Duration of busy movements (months) | 7 |
| Average daily vehicles - Cars & LGV | 136-244 |
| Average daily vehicles - HGV | 92-114 |

Legend

- Compound Traffic Routes
- Site Haul to Compound
- Through Construction Traffic Routes (To/From Other Scheme Compounds)
- HS2 Route
- Onward Construction Routes
- Community Area boundary
- Through Site Haul to Compound (To/From Other Scheme Compounds)
- Movement of Excavated Material
- Construction Compounds

The compound start dates and estimated duration of active use are based on the Indicative Construction Programme included in the volume 2 Community Area reports. Traffic figures represent two way trips.

Rail system compounds are shown where they are likely to generate more than 24 HGV movements a day in the peak month (average two-way) or are associated with a construction civil engineering works compound
For TR08 drawing route see 2D301-MWJ-TM-DPL-M002-300000

Map Number: **TR-08-304**

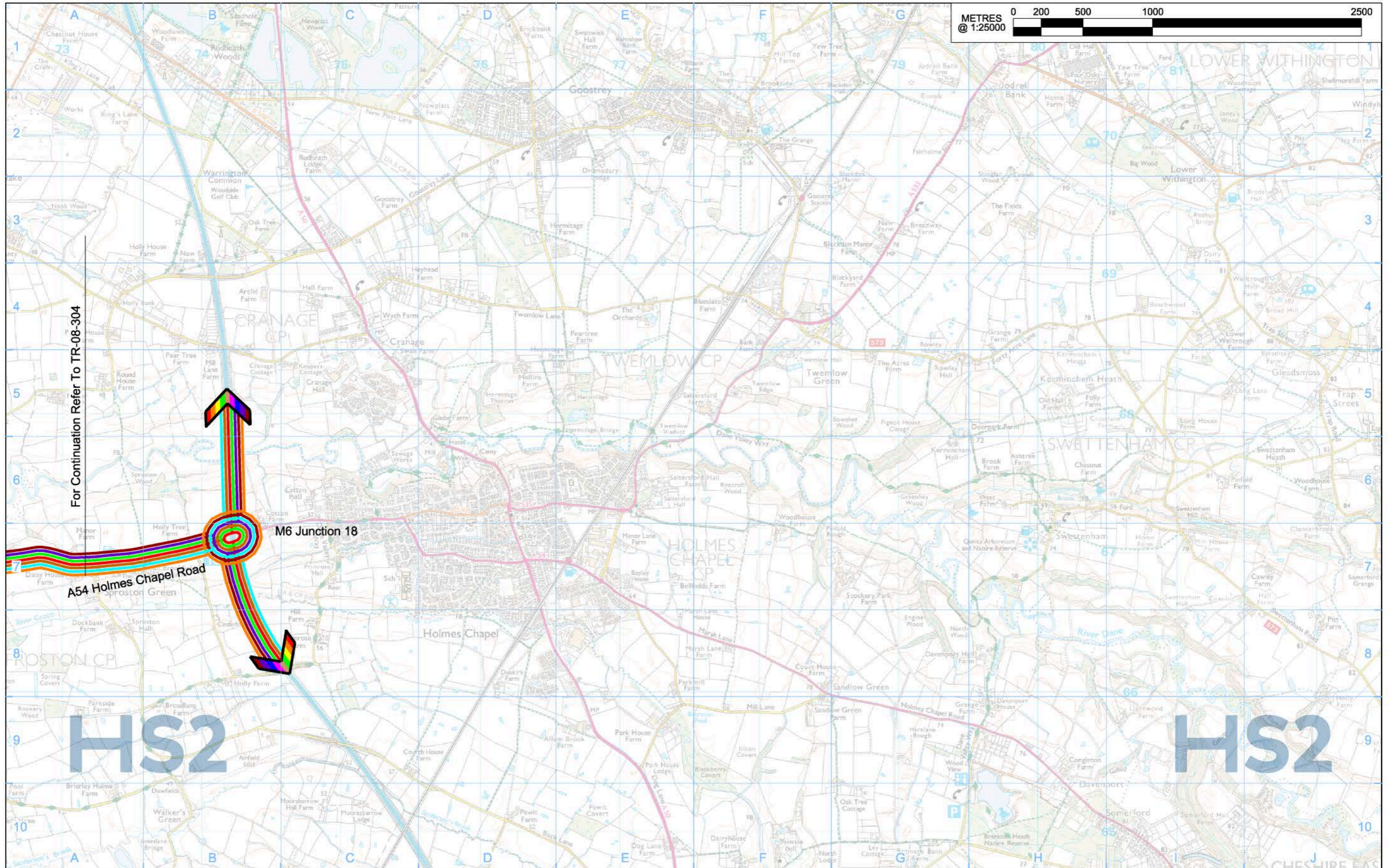
Map Name: **Construction Routes to the Strategic Road Network**

Community Area: **MA02 Wimbolsley to Lostock Gtalam**

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| Legend | |
|--------|--|
| | Compound Traffic Routes |
| | Site Haul to Compound |
| | Through Construction Traffic Routes (To/From Other Scheme Compounds) |
| | HS2 Route |
| | Onward Construction Routes |
| | Community Area boundary |
| | Through Site Haul to Compound (To/From Other Scheme Compounds) |
| | Movement of Excavated Material |
| | Construction Compounds |

The compound start dates and estimated duration of active use are based on the Indicative Construction Programme included in the volume 2 Community Area reports.

Traffic figures represent two way trips.

Rail system compounds are shown where they are likely to generate more than 24 HGV movements a day in the peak month (average two-way) or are associated with a construction civil engineering works compound

For TR08 drawing route see 2D301-MWJ-TM-DPL-M002-300000

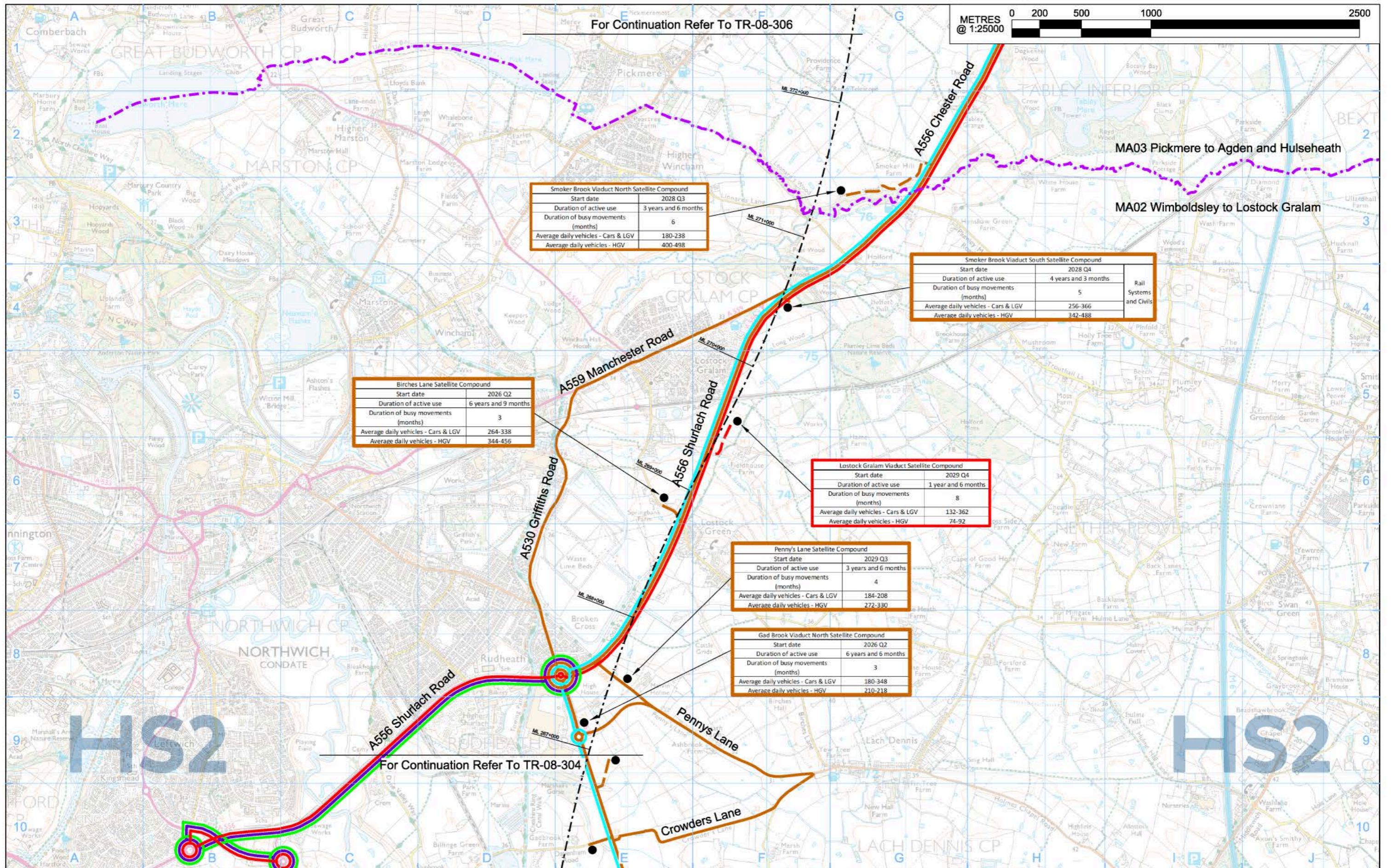
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|----------------|---|
| Map Number | TR-08-304-R1 |
| Map Name | Construction Routes to the Strategic Road Network |
| Community Area | MA02 Wimbolsley to Lostock Gralam |

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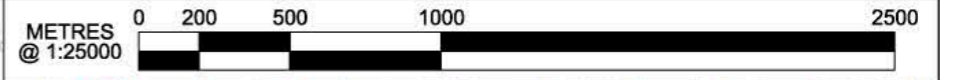
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For Continuation Refer To TR-08-306



MA03 Pickmere to Agden and Hulseheath

MA02 Wimboldsley to Lostock Gralam

| Smoker Brook Viaduct North Satellite Compound | |
|---|----------------------|
| Start date | 2028 Q3 |
| Duration of active use | 3 years and 6 months |
| Duration of busy movements (months) | 6 |
| Average daily vehicles - Cars & LGV | 180-238 |
| Average daily vehicles - HGV | 400-498 |

| Smoker Brook Viaduct South Satellite Compound | | Rail Systems and Civils |
|---|----------------------|-------------------------|
| Start date | 2028 Q4 | |
| Duration of active use | 4 years and 3 months | |
| Duration of busy movements (months) | 5 | |
| Average daily vehicles - Cars & LGV | 256-366 | |
| Average daily vehicles - HGV | 342-488 | |

| Birches Lane Satellite Compound | |
|-------------------------------------|----------------------|
| Start date | 2026 Q2 |
| Duration of active use | 6 years and 9 months |
| Duration of busy movements (months) | 3 |
| Average daily vehicles - Cars & LGV | 264-338 |
| Average daily vehicles - HGV | 344-456 |

| Lostock Gralam Viaduct Satellite Compound | |
|---|---------------------|
| Start date | 2029 Q4 |
| Duration of active use | 1 year and 6 months |
| Duration of busy movements (months) | 8 |
| Average daily vehicles - Cars & LGV | 132-362 |
| Average daily vehicles - HGV | 74-92 |

| Penny's Lane Satellite Compound | |
|-------------------------------------|----------------------|
| Start date | 2029 Q3 |
| Duration of active use | 3 years and 6 months |
| Duration of busy movements (months) | 4 |
| Average daily vehicles - Cars & LGV | 184-208 |
| Average daily vehicles - HGV | 272-330 |

| Gad Brook Viaduct North Satellite Compound | |
|--|----------------------|
| Start date | 2026 Q2 |
| Duration of active use | 6 years and 6 months |
| Duration of busy movements (months) | 3 |
| Average daily vehicles - Cars & LGV | 180-348 |
| Average daily vehicles - HGV | 210-218 |

For Continuation Refer To TR-08-304

- Legend**
- Compound Traffic Routes
 - Site Haul to Compound
 - Through Construction Traffic Routes (To/From Other Scheme Compounds)
 - HS2 Route
 - Onward Construction Routes
 - Community Area boundary
 - Through Site Haul to Compound (To/From Other Scheme Compounds)
 - Movement of Excavated Material
 - Construction Compounds

The compound start dates and estimated duration of active use are based on the Indicative Construction Programme included in the volume 2 Community Area reports.
Traffic figures represent two way trips.

Rail system compounds are shown where they are likely to generate more than 24 HGV movements a day in the peak month (average two-way) or are associated with a construction civil engineering works compound
For TR08 drawing route see 2D301-MWJ-TM-DPL-M002-300000

Map Number: **TR-08-305**

Map Name: **Construction Routes to the Strategic Road Network**

Community Area: **MA02 Wimboldsley to Lostock Gralam**

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Doc Number: 2PT27-MWJ-TM-DPL-M002-305000 P01 Date: 17/11/22

High Speed Rail (Crewe – Manchester)

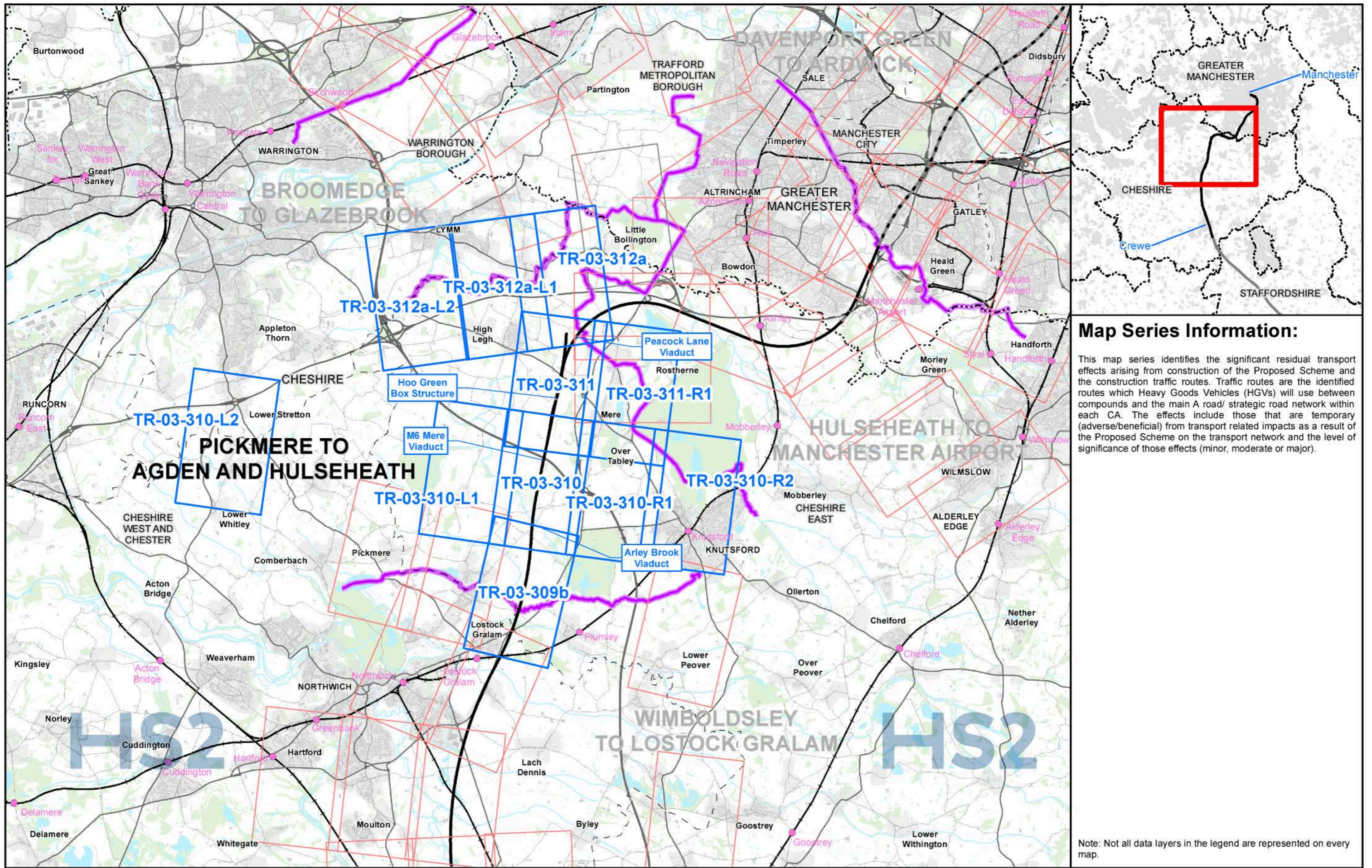
Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

MA03: Pickmere to Agden and Hulseheath

TR-03 - Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes

TR-04 - Significant Residual Transport Effects Arising from Operation

TR-08 - Construction Routes to the Strategic Network



Map Series Information:

This map series identifies the significant residual transport effects arising from construction of the Proposed Scheme and the construction traffic routes. Traffic routes are the identified routes which Heavy Goods Vehicles (HGVs) will use between compounds and the main A road/ strategic road network within each CA. The effects include those that are temporary (adverse/beneficial) from transport related impacts as a result of the Proposed Scheme on the transport network and the level of significance of those effects (minor, moderate or major).

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

- 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: TR-03-INDEX-MA03

Map Name: Index Map of:
Significant Residual Transport Effects Arising during
Construction and Construction Traffic Routes
SES2 and AP2 ES

Community Area MA03:
Pickmere to Agden and Hulseheath

HS2

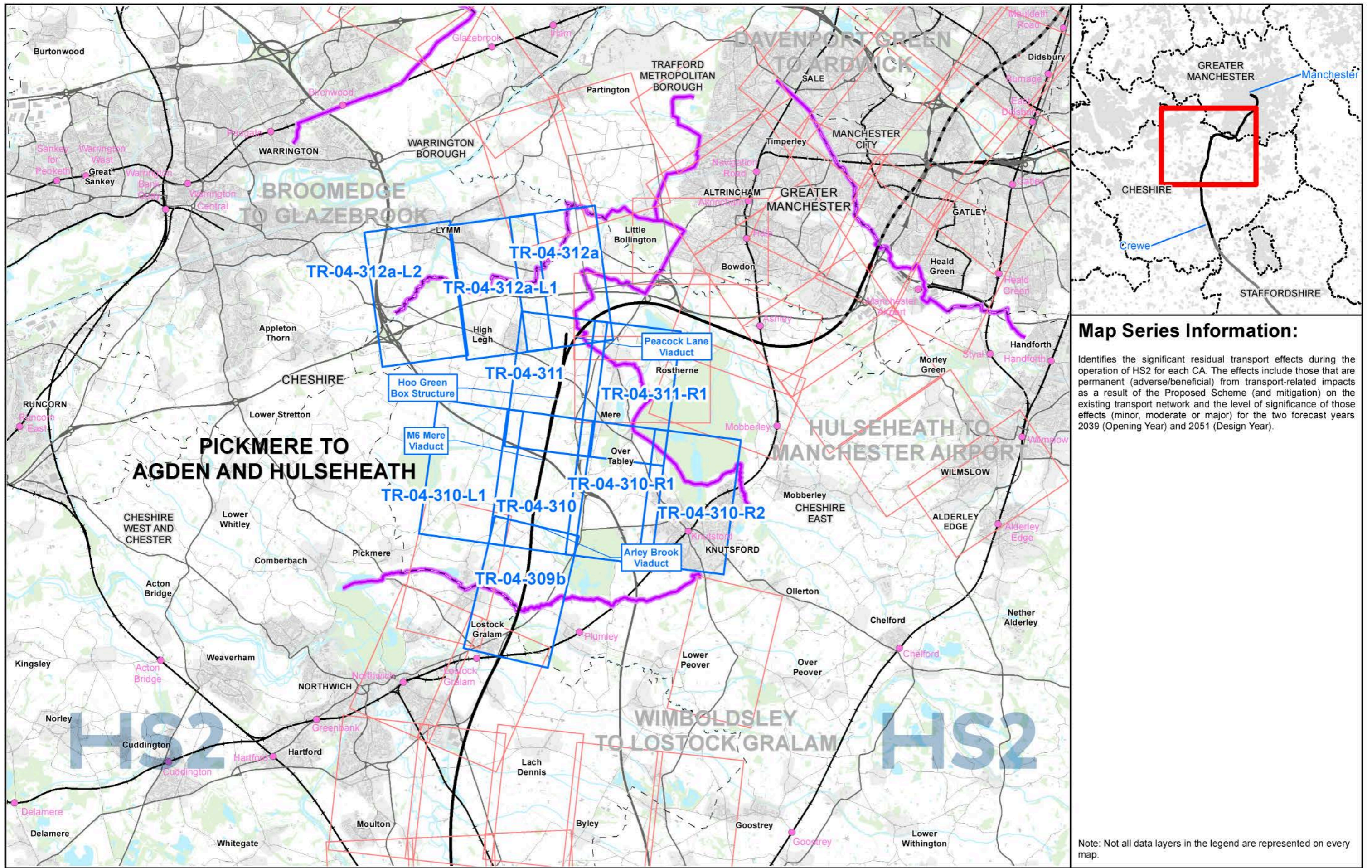
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Doc Number: 2PT27-MWJ-EV-MAP-M000-002180-P01

Date: 03/05/23



Map Series Information:

Identifies the significant residual transport effects during the operation of HS2 for each CA. The effects include those that are permanent (adverse/beneficial) from transport-related impacts as a result of the Proposed Scheme (and mitigation) on the existing transport network and the level of significance of those effects (minor, moderate or major) for the two forecast years 2039 (Opening Year) and 2051 (Design Year).

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

- 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: TR-04-INDEX-MA03

Map Name: Index Map of:
Significant Residual Transport
Effects Arising from Operation
SES2 and AP2 ES
Community Area MA03:
Pickmere to Agden and Hulseheath

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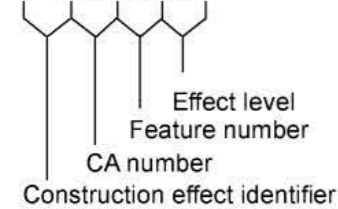
Doc Number: 2PT27-MWJ-EV-MAP-M000-002226-P01

Date: 13/04/23

Significant effect label:

Significant effect reference:

PT01-01-Mi



Construction effect identifier:

- PT - Public transport delay
- D - Disruption at stations / interchanges
- Tc - Traffic congestion and delays to vehicle occupants
- Td - Traffic diversion
- Ts - Traffic severance - non-motorised users
- P - Parking and loading
- V - Vulnerable road user delays, amenity and ambience
- A - Accidents and safety
- S - Severance
- W - Waterways

Effect level:

- Mi - Minor
- Mo - Moderate
- Ma - Major

Where a significant effect has been changed due to a correction to mapping produced in the main ES or previous SES/AP, the significant effect reference is suffixed with a double asterisk (**). The map now shows the correct effect.

The colour of the border around each significant effect arising from the current SES/AP and the significant effect descriptor denotes whether the effect is added or removed or there is a change to the type (i.e. adverse/beneficial) or level of effect (i.e. major/moderate/minor) in a given forecast year at the current SES/AP.

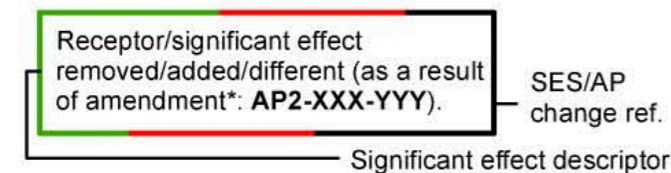
Where the colour of the border is black but the type and level of the significant effect are unchanged from those shown in the MA06-08 and ORW Community Area Map Books in the main ES or the MA01-05 Community Area Map Books in the previous SES/AP, this denotes that the current SES/AP will give rise to a different (increased/decreased) significant effect but will not change the level of significance of the effect.

Removed effect Added effect Different effect

Where there is no colour border around a label with a white background, this denotes a correction to a significant effect that was previously mapped but did not represent a significant effect within the assessment.

Significant effect descriptor:

Where the change in effect is directly attributable to a specific SES/AP change, this is denoted by the following significant effect descriptor:



Where the change in effect is caused by a combination of SES/AP changes, no significant effect descriptor is provided.

HS2

HS2

| | |
|------------|--|
| Map Number | TR-03 - Legend |
| Map Name | TR-03 - Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes - SES2 and AP2 ES |

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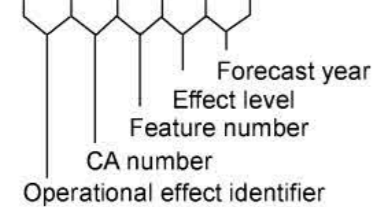
Doc Number: 2PT27-MWJ-EV-MAP-M000-004135-P01

Date: 03/05/23

Significant effect label:

Significant effect reference:

PT01-01-Mi-39



Operational effect identifier:

- PT - Public transport delay
- D - Disruption at stations / interchanges
- Tc - Traffic congestion and delays to vehicle occupants
- Td - Traffic diversion
- Ts - Traffic severance - non-motorised users
- P - Parking and loading
- V - Vulnerable road user delays, amenity and ambience
- A - Accidents and safety
- S - Severance
- W - Waterways

Effect level:

- Mi - Minor
- Mo - Moderate
- Ma - Major

Forecast year:

- 39 - Significant effect in 2039
- 51 - Significant effect in 2051
- Missing - Significant effect in both forecast years

Significant effects identified in the main ES or previous SES/AP for 2038 that are unchanged in the current SES/AP assessments are now relabelled as 2039 to reflect the change in forecast year.

Significant effects identified in the main ES for 2046 that are unchanged in the current SES/AP assessments are now relabelled as 2051 to reflect the change in forecast year.

Where a significant effect is added or changed in one or both forecast years resulting in effects of the same type (i.e. adverse/beneficial) and level (i.e. minor/moderate/major) in the same location in both forecast years in the current SES/AP, the effects are labelled separately for each forecast year but have the same feature number.

Where a significant effect has been changed due to a correction to mapping produced in the main ES or previous SES/AP, the significant effect reference is suffixed with a double asterisk (**). The map now shows the correct effect.

The colour of the border around each significant effect arising from the current SES/AP and the significant effect descriptor denotes whether the effect is added or removed or there is a change to the type (i.e. adverse/beneficial) or level of effect (i.e. major/moderate/minor) in a given forecast year at the current SES/AP.

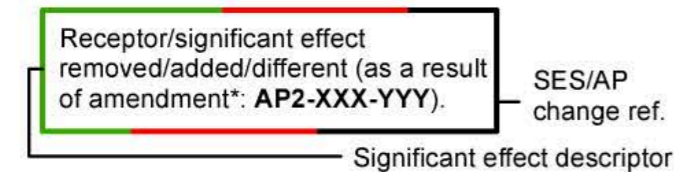
Where the colour of the border is black but the type and level of the significant effect are unchanged from those shown in the MA06-08 and ORW Community Area Map Books in the main ES or the MA01-05 Community Area Map Books in the previous SES/AP, this denotes that the current SES/AP will give rise to a different (increased/decreased) significant effect but will not change the level of significance of the effect.

Removed effect Added effect Different effect

Where there is no colour border around a label with a white background, this denotes a feature that was previously mapped but did not represent a significant effect within the assessment.

Significant effect descriptor:

Where the change in effect is directly attributable to a specific SES/AP change, this is denoted by the following significant effect descriptor:



Where the change in effect is caused by a combination of SES/AP changes, no significant effect descriptor is provided.

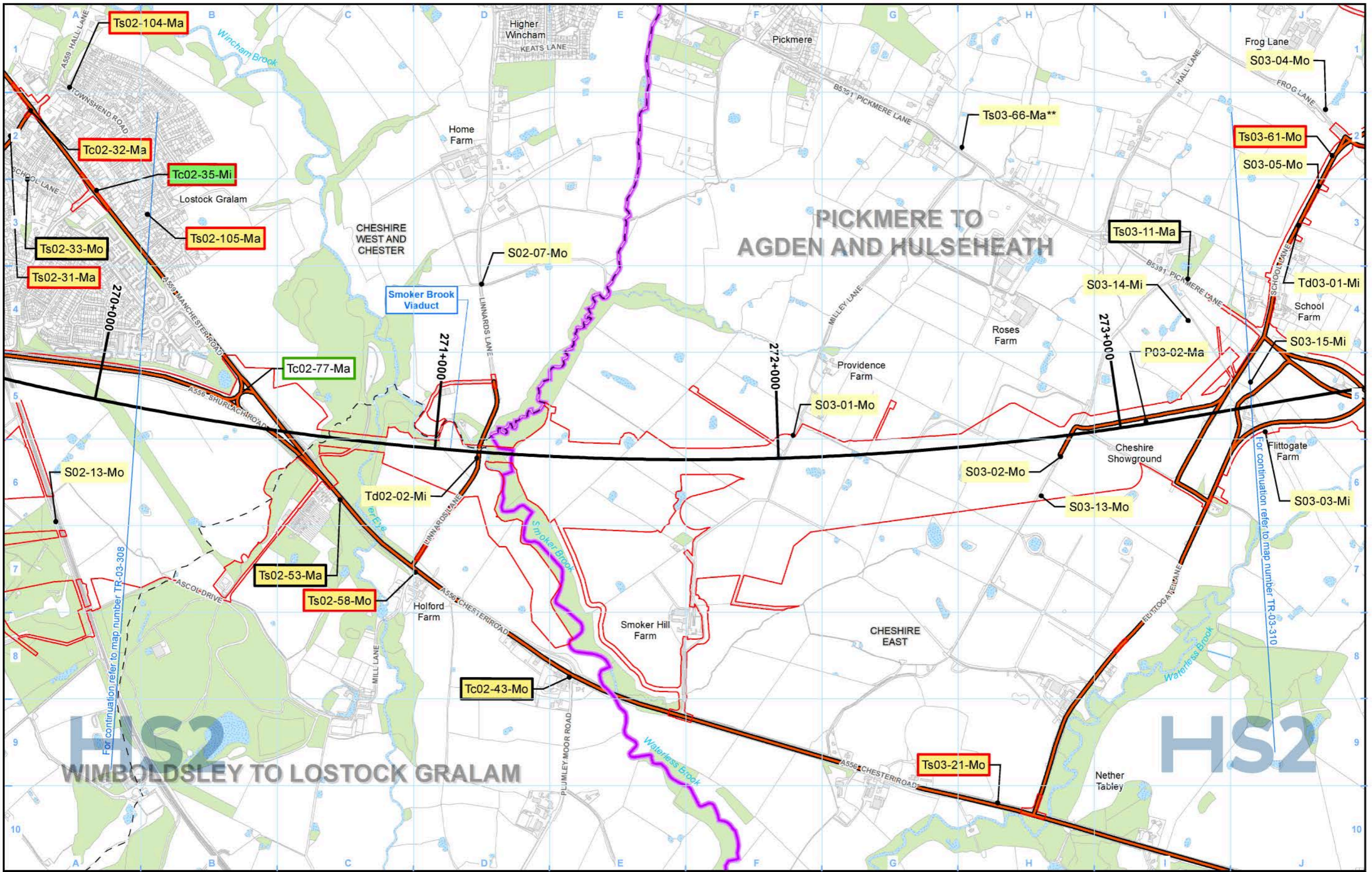


| | |
|------------|---|
| Map Number | TR-04 - Legend |
| Map Name | Significant Residual Transport Effects Arising from Operation SES2 and AP2 ES |

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PICKMERE TO AGDEN AND HULSEHEATH

WIMBOLDSLEY TO LOSTOCK GRALAM

| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | | For full legend please refer to TR-03 legend page. | |
|--------|---|---|-----------------------------|---|-----------------------|--|-----------------------|
| | Route in tunnel | | Watercourse | | Adverse, permanent | | Adverse, permanent |
| | Route on surface | | Water body | | Adverse, temporary | | Adverse, temporary |
| | Depot, station, headhouse or portal building | | Woodland | | Beneficial, temporary | | Beneficial, temporary |
| | Land potentially required during construction | | Construction traffic routes | | Beneficial, permanent | | Beneficial, permanent |
| | Community area boundary | | | | | | |
| | County boundary | | | | | | |
| | District/Borough boundary | | | | | | |

| | |
|--|--|
| Map Number | TR-03-309b |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area MA03: Pickmere to Agden and Hulseheath | |

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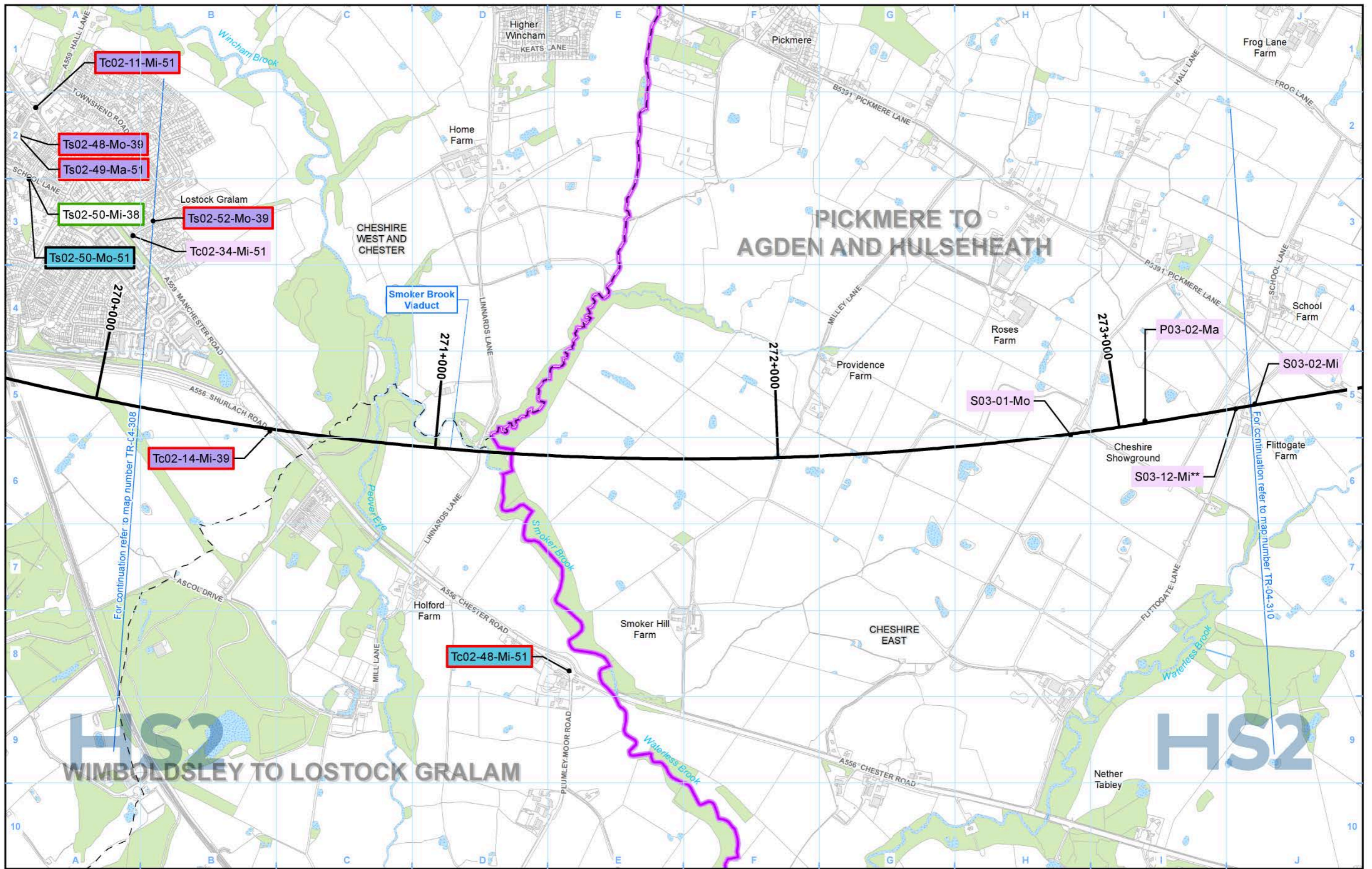
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Doc Number: 2PT27-MWJ-EV-MAP-M000-002153-P01

Scale at A3: 1:10,000

Metres

Date: 03/05/23



Legend

| | | | | |
|--|--|--|--|---|
| <ul style="list-style-type: none"> Route in tunnel Route on surface Depot, station, headhouse or portal building Community area boundary County boundary District/Borough boundary | <ul style="list-style-type: none"> Watercourse Water body Woodland | <p>Operational significant effects arising as a result of the current SES/AP:</p> <ul style="list-style-type: none"> Adverse, permanent Adverse, temporary Beneficial, temporary Beneficial, permanent | <p>Operational significant effects unchanged as a result of the current SES/AP:</p> <ul style="list-style-type: none"> Adverse, permanent Adverse, temporary Beneficial, temporary Beneficial, permanent | <p>For full legend please refer to TR-04 legend page.</p> |
|--|--|--|--|---|

Map Number: TR-04-309b

Map Name: Significant Residual Transport Effects Arising from Operation SES2 and AP2 ES

Community Area MA03: Pickmere to Agden and Hulseheath

HS2

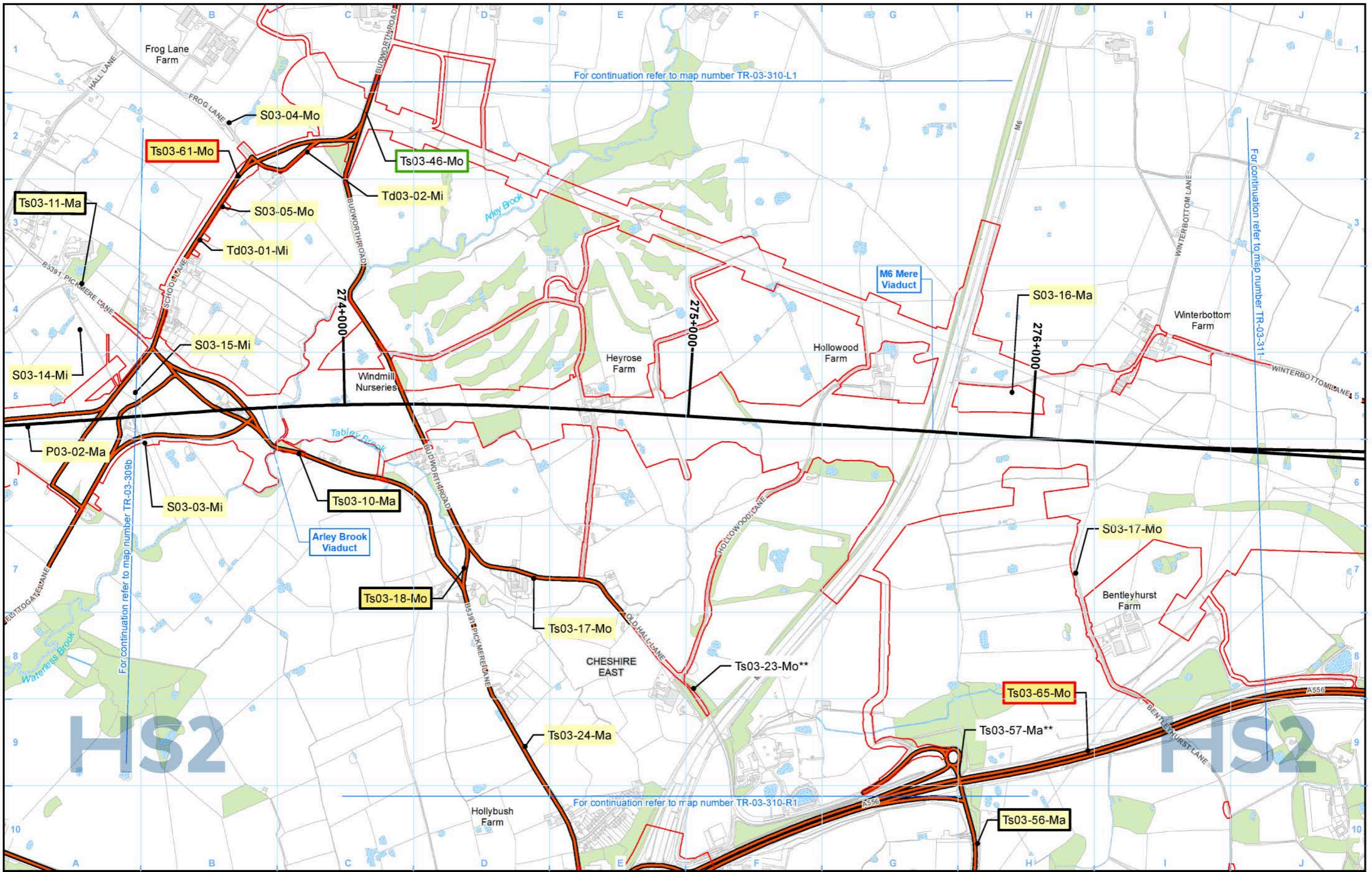
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Date: 13/04/23

Scale at A3: 1:10,000



For continuation refer to map number TR-03-310-L1

For continuation refer to map number TR-03-311

For continuation refer to map number TR-03-309b

For continuation refer to map number TR-03-310-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
 - Construction traffic routes

- Construction significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

- Construction significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-03 legend page.

Map Number: TR-03-310

Map Name: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES

Community Area MA03: Pickmere to Agden and Hulseheath

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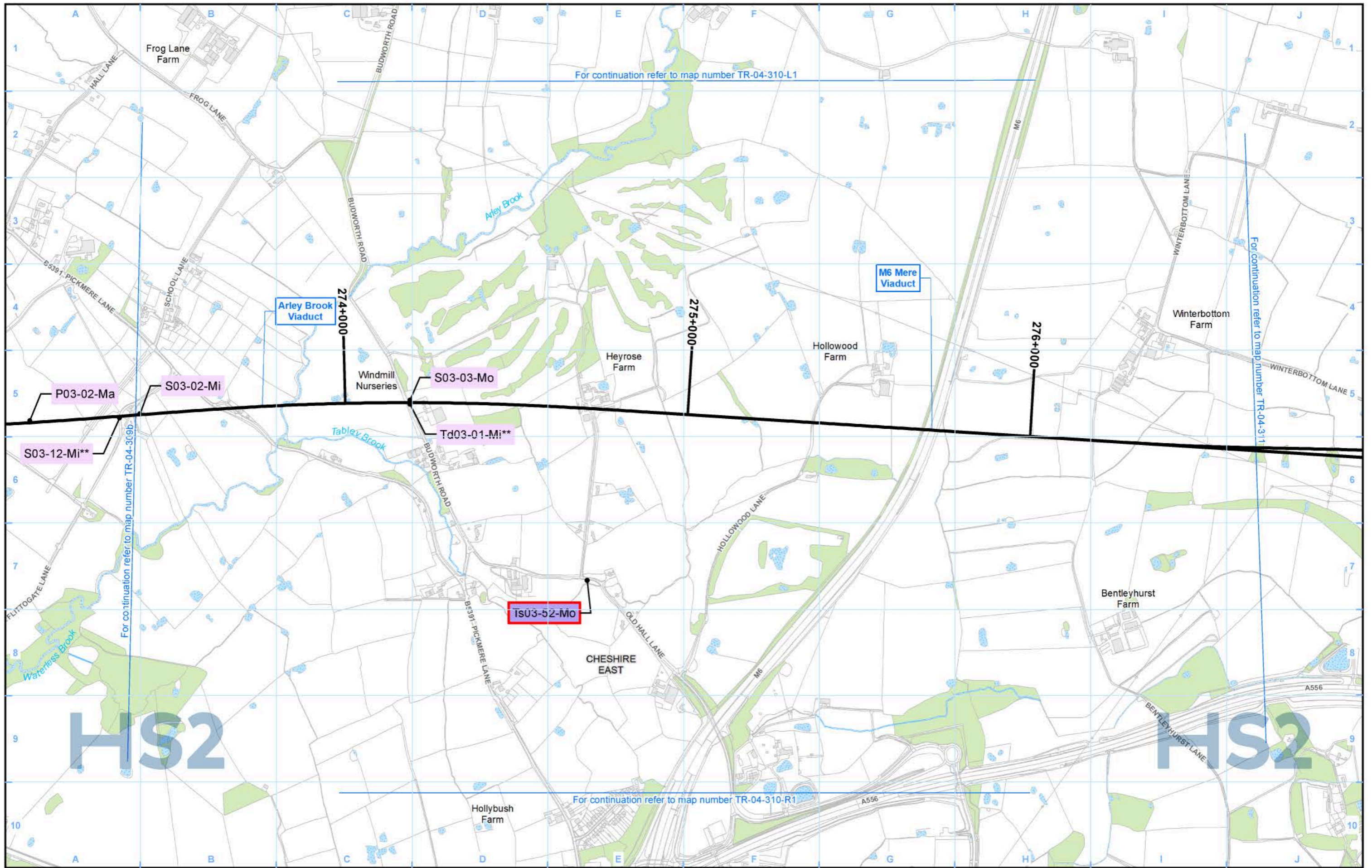
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Date: 03/05/23

Scale at A3: 1:10,000

Meters



Legend

| | | | |
|--|--|--|-------------|
| | Route in tunnel | | Watercourse |
| | Route on surface | | Water body |
| | Depot, station, headhouse or portal building | | Woodland |
| | Community area boundary | | |
| | County boundary | | |
| | District/Borough boundary | | |

| | |
|---|---|
| Operational significant effects arising as a result of the current SES/AP: | Operational significant effects unchanged as a result of the current SES/AP: |
| Adverse, permanent | Adverse, permanent |
| Adverse, temporary | Adverse, temporary |
| Beneficial, temporary | Beneficial, temporary |
| Beneficial, permanent | Beneficial, permanent |

For full legend please refer to TR-04 legend page.

| | |
|------------|---|
| Map Number | TR-04-310 |
| Map Name | Significant Residual Transport Effects Arising from Operation SES2 and AP2 ES |
| | Community Area MA03: Pickmere to Agden and Hulseheath |

HS2

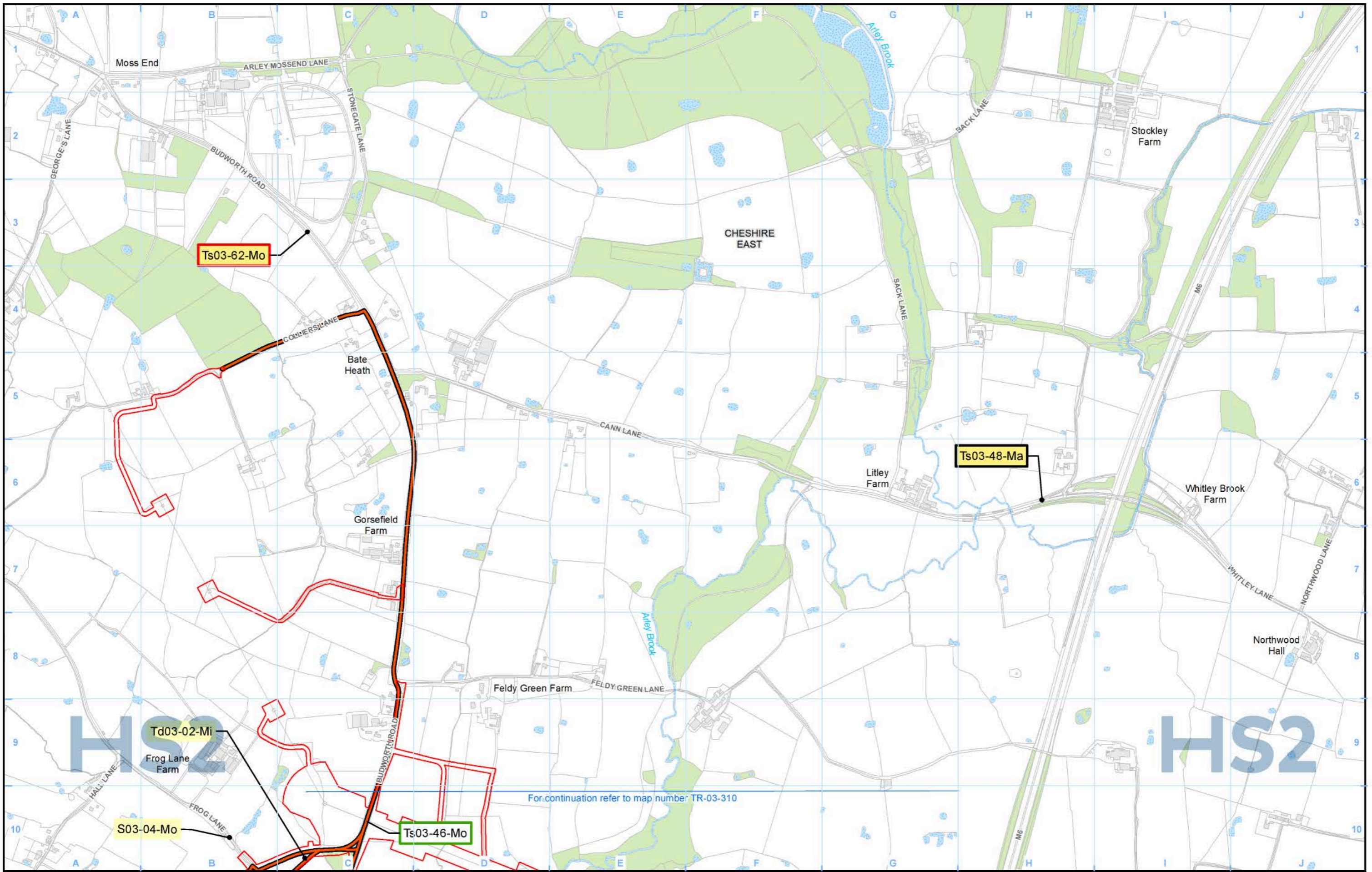
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Date: 13/04/23



For continuation refer to map number TR-03-310

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 |
| | Construction traffic routes |

Construction significant effects arising as a result of the current SES/AP:

| | |
|--|-----------------------|
| | Adverse, permanent |
| | Adverse, temporary |
| | Beneficial, temporary |
| | Beneficial, permanent |

Construction significant effects unchanged as a result of the current SES/AP:

| | |
|--|-----------------------|
| | Adverse, permanent |
| | Adverse, temporary |
| | Beneficial, temporary |
| | Beneficial, permanent |

For full legend please refer to TR-03 legend page.

| | |
|--|--|
| Map Number | TR-03-310-L1 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area MA03: Pickmere to Agden and Hulseheath | |

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Metres

Date: 03/05/23

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Legend

| | | | |
|--|--|--|-------------|
| | Route in tunnel | | Watercourse |
| | Route on surface | | Water body |
| | Depot, station, headhouse or portal building | | Woodland |
| | Community area boundary | | |
| | County boundary | | |
| | District/Borough boundary | | |

| | |
|---|---|
| Operational significant effects arising as a result of the current SES/AP: | Operational significant effects unchanged as a result of the current SES/AP: |
| Adverse, permanent | Adverse, permanent |
| Adverse, temporary | Adverse, temporary |
| Beneficial, temporary | Beneficial, temporary |
| Beneficial, permanent | Beneficial, permanent |

For full legend please refer to TR-04 legend page.

For continuation refer to map number TR-04-310

| | |
|------------|---|
| Map Number | TR-04-310-L1 |
| Map Name | Significant Residual Transport Effects Arising from Operation SES2 and AP2 ES |
| | Community Area MA03: Pickmere to Agden and Hulseheath |

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PICKMERE TO AGDEN AND HULSEHEATH



Legend

| | | | |
|--|--|--|--|
| | | Construction significant effects arising as a result of the current SES/AP: | Construction significant effects unchanged as a result of the current SES/AP: |
| | | | |
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For full legend please refer to TR-03 legend page.

| | |
|--|--|
| Map Number | TR-03-310-L2 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area MA03: Pickmere to Agden and Hulseheath | |

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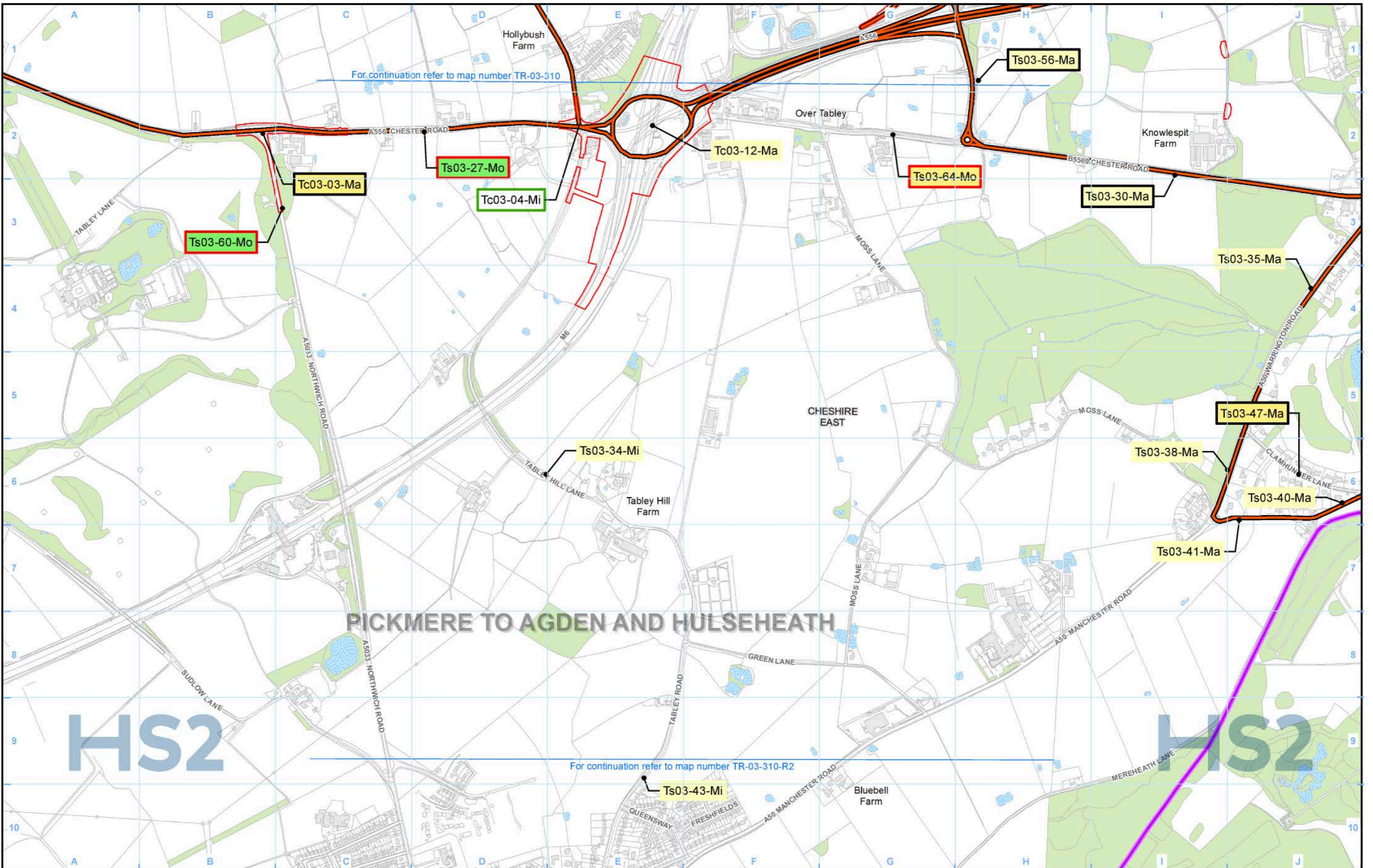
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Scale at A3: 1:10,000

Metres

Date: 03/05/23

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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 |
| | Woodland |
| | Construction traffic routes |

Construction significant effects arising as a result of the current SES/AP:

| | |
|--|-----------------------|
| | Adverse, permanent |
| | Adverse, temporary |
| | Beneficial, temporary |
| | Beneficial, permanent |

Construction significant effects unchanged as a result of the current SES/AP:

| | |
|--|-----------------------|
| | Adverse, permanent |
| | Adverse, temporary |
| | Beneficial, temporary |
| | Beneficial, permanent |

For full legend please refer to TR-03 legend page.

| | |
|--|--|
| Map Number | TR-03-310-R1 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area MA03: Pickmere to Agden and Hulseheath | |

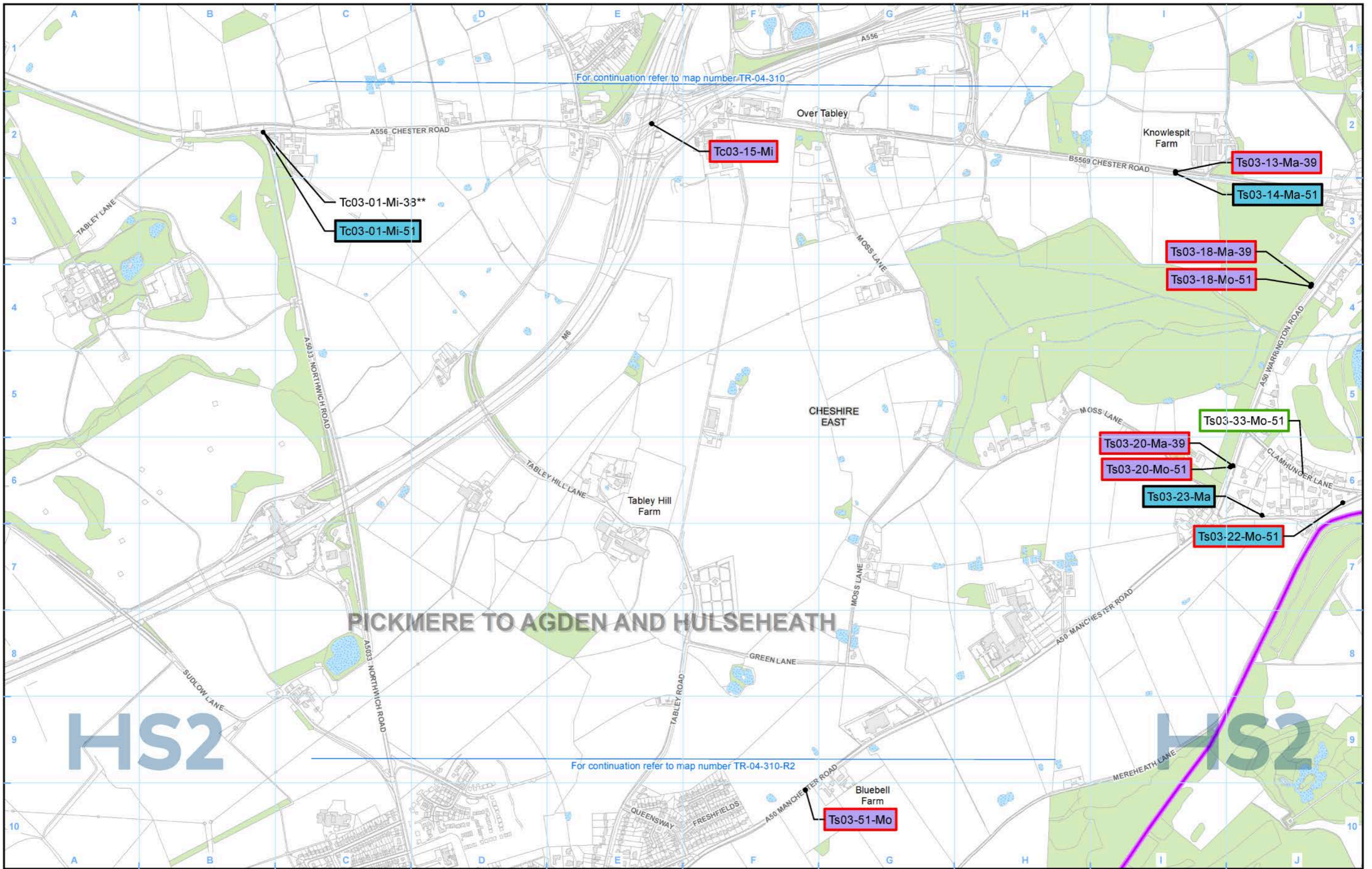
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- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland

- Operational significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-310-R1

Map Name: Significant Residual Transport Effects Arising from Operation SES2 and AP2 ES

Community Area MA03: Pickmere to Agden and Hulseheath

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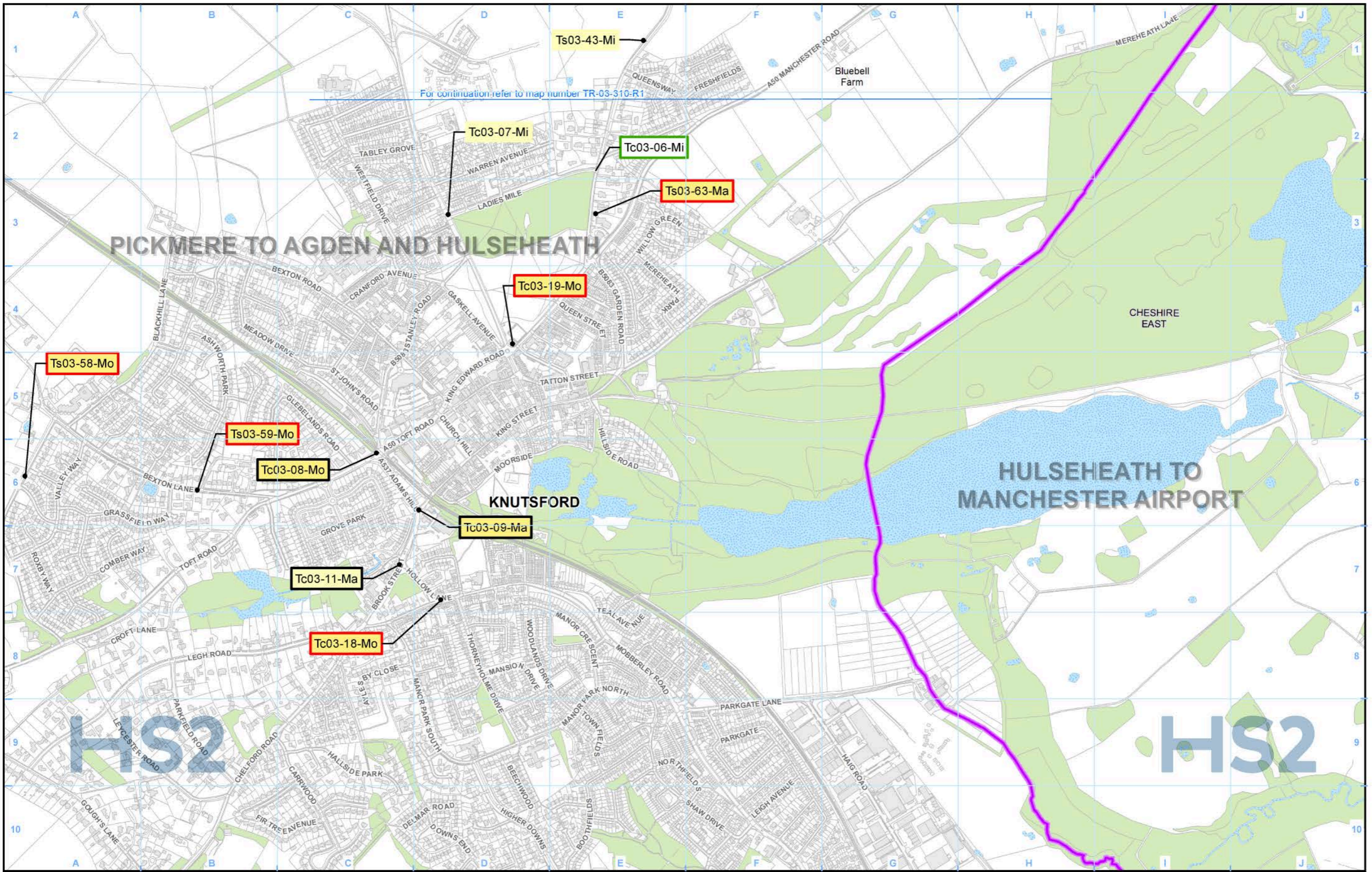
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Date: 13/04/23

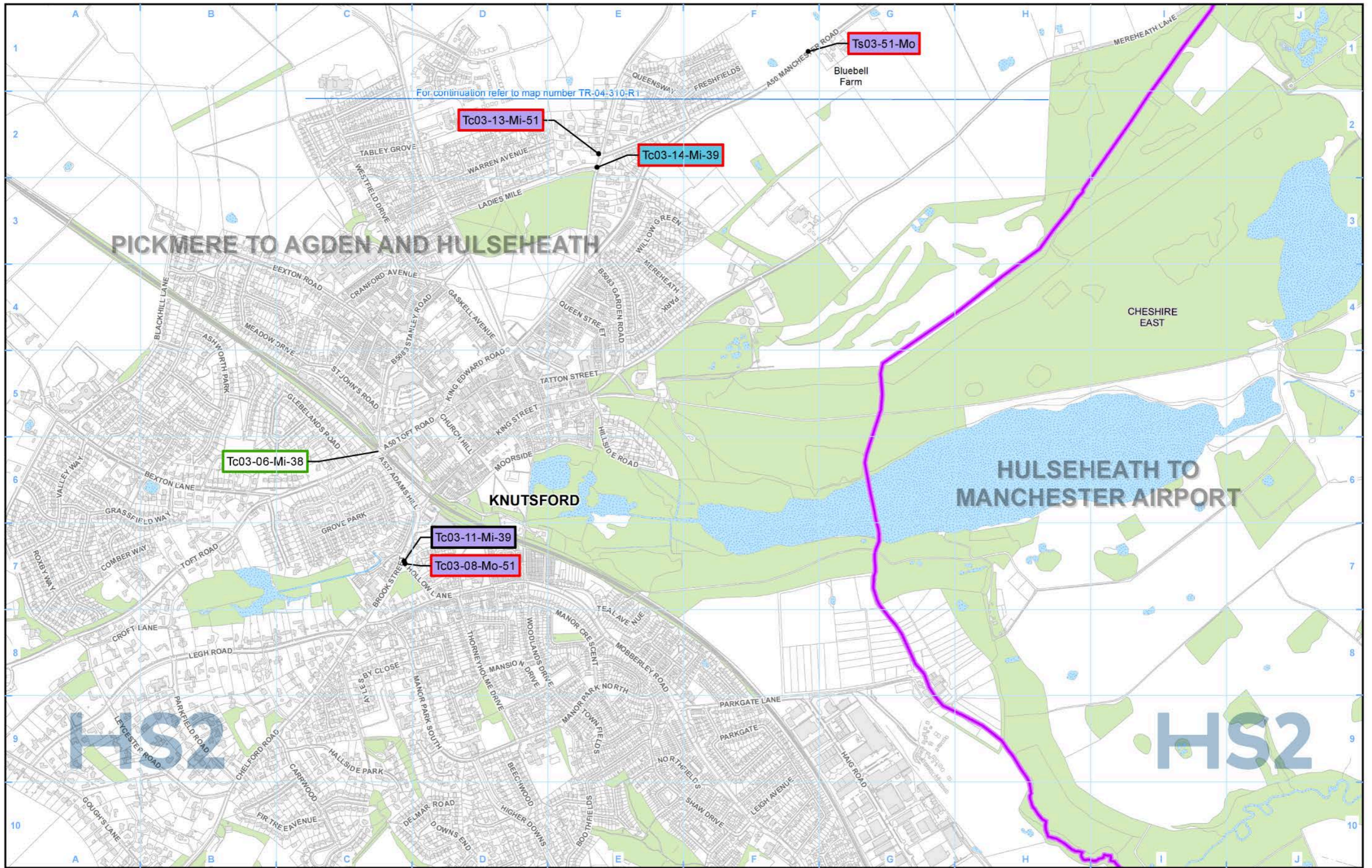
Scale at A3: 1:10,000

Metres



For continuation refer to map number TR-03-310-R1

| | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|
| 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 Construction traffic routes | | Construction significant effects arising as a result of the current SES/AP: <ul style="list-style-type: none"> Adverse, permanent Adverse, temporary Beneficial, temporary Beneficial, permanent | | Construction significant effects unchanged as a result of the current SES/AP: <ul style="list-style-type: none"> Adverse, permanent Adverse, temporary Beneficial, temporary Beneficial, permanent | | For full legend please refer to TR-03 legend page. | |
| Map Number TR-03-310-R2 | | Map Name Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES | | | | Registered in England. Registration number 06791686. Registered office: Two Snowhill, Snow Hill, Queensway, Birmingham B4 6GA. | | Scale at A3: 1:10,000 | |
| Community Area MA03: Pickmere to Agden and Hulseheath | | © Crown copyright and database rights 2022. OS 100049190 | | Doc Number: 2PT27-MWJ-EV-MAP-M000-002904-P01 | | Date: 03/05/23 | | | |



For continuation refer to map number TR-04-310-R1

PICKMERE TO AGDEN AND HULSEHEATH

KNUTSFORD

HULSEHEATH TO MANCHESTER AIRPORT

- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland

- Operational significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-310-R2

Map Name: Significant Residual Transport Effects Arising from Operation SES2 and AP2 ES

Community Area MA03: Pickmere to Agden and Hulseheath

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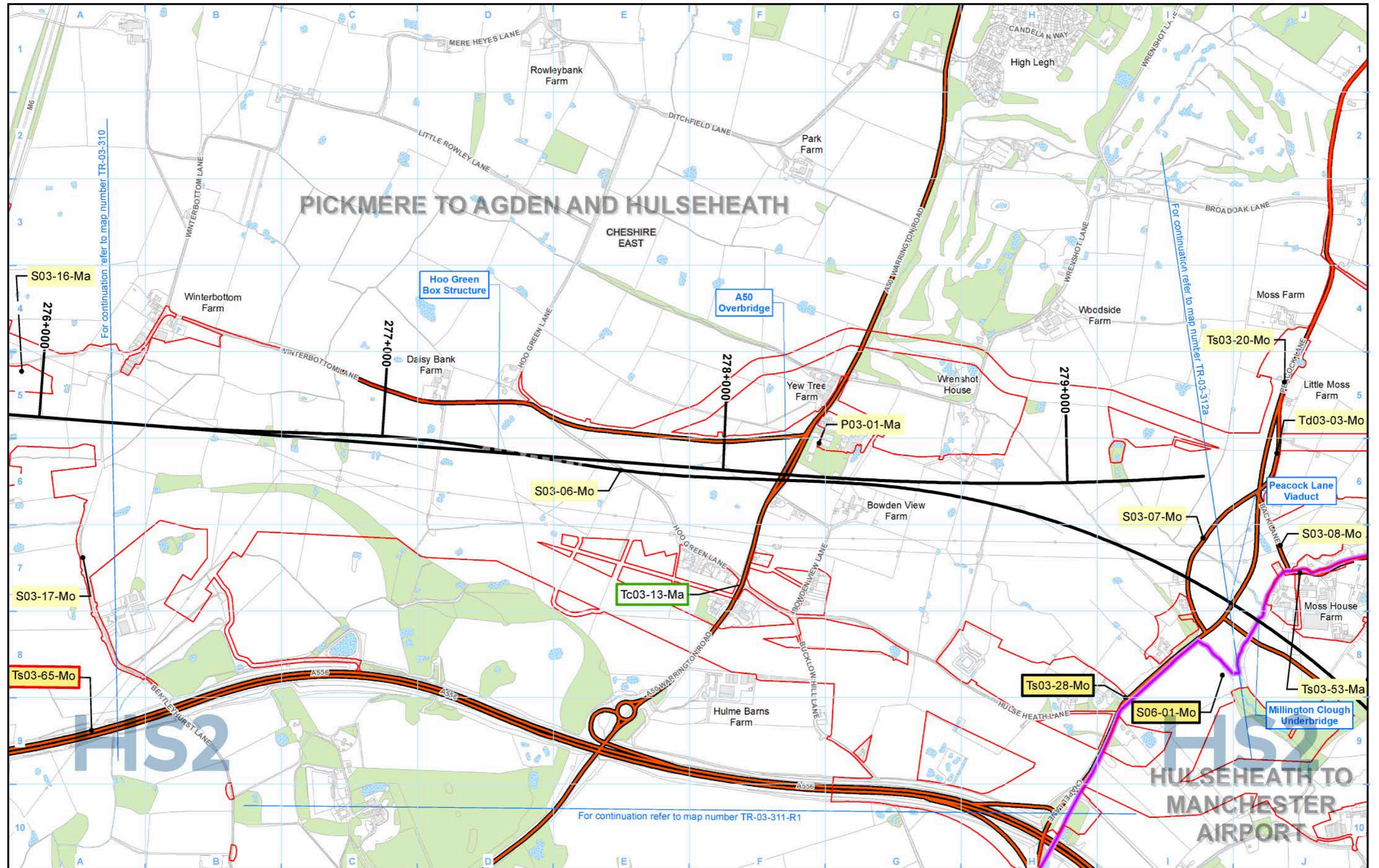
Doc Number: 2PT27-MWJ-EV-MAP-M000-003013-P01

Date: 13/04/23

Scale at A3: 1:10,000

Metres





Legend

| | | | |
|---|-----------------------------|---|---|
| Route in tunnel | Watercourse | Construction significant effects arising as a result of the current SES/AP: | Construction significant effects unchanged as a result of the current SES/AP: |
| Route on surface | Water body | | |
| Depot, station, headhouse or portal building | Woodland | Adverse, permanent | Adverse, permanent |
| Land potentially required during construction | Construction traffic routes | Adverse, temporary | Adverse, temporary |
| Community area boundary | | Beneficial, temporary | Beneficial, temporary |
| County boundary | | Beneficial, permanent | Beneficial, permanent |
| District/Borough boundary | | | |

For full legend please refer to TR-03 legend page.

| | |
|--|--|
| Map Number | TR-03-311 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area MA03: Pickmere to Agden and Hulseheath | |

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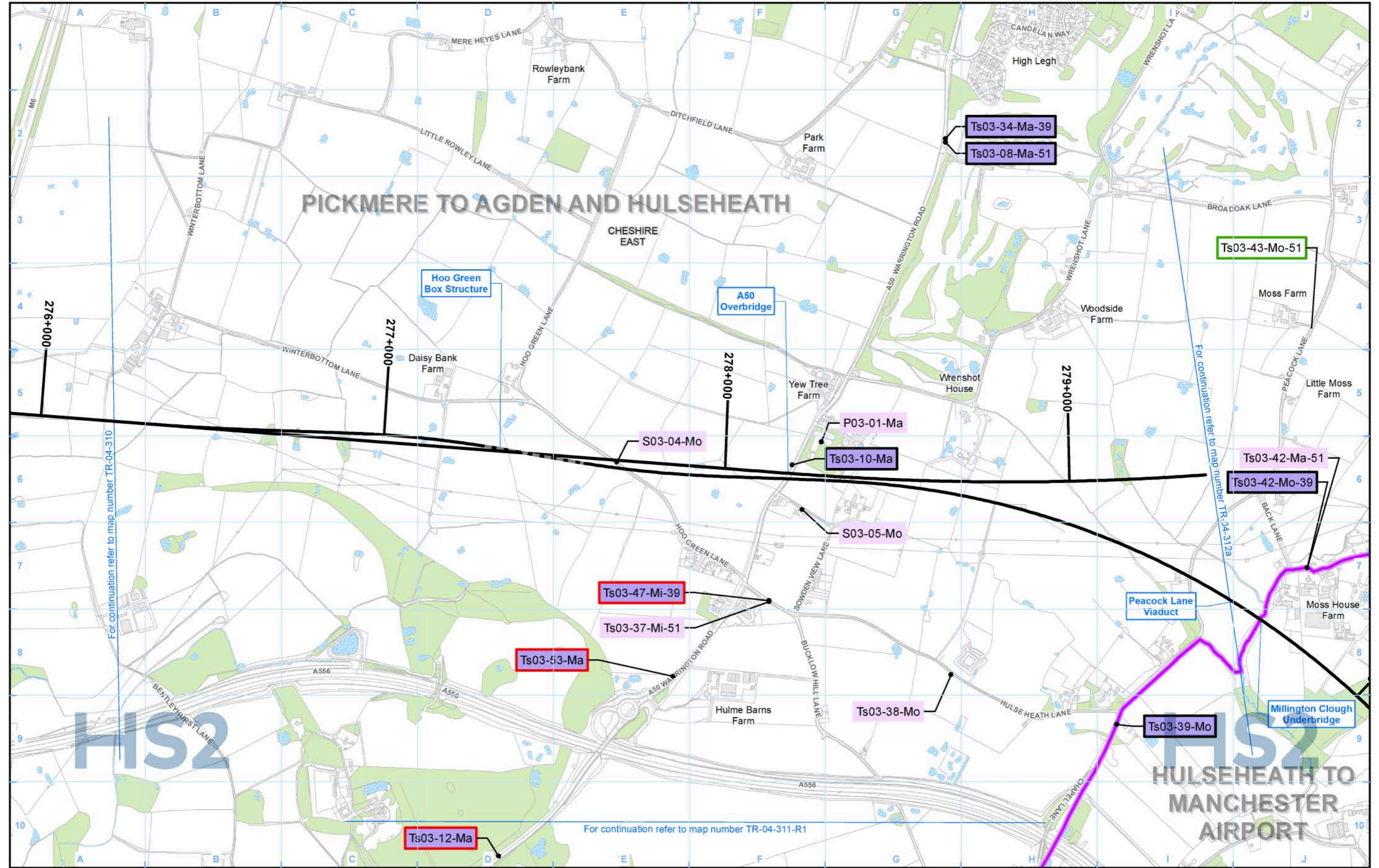
Doc Number: 2PT27-MWJ-EV-MAP-M000-002155-P01

Date: 03/05/23

Scale at A3: 1:10,000

Metres

HS2
HULSEHEATH TO
MANCHESTER
AIRPORT



Legend

| | | | |
|--|--|--|-------------|
| | Route in tunnel | | Watercourse |
| | Route on surface | | Water body |
| | Depot, station, headhouse or portal building | | Woodland |
| | Community area boundary | | |
| | County boundary | | |
| | District/Borough boundary | | |

| | |
|---|---|
| Operational significant effects arising as a result of the current SES/AP: | Operational significant effects unchanged as a result of the current SES/AP: |
| Adverse, permanent | Adverse, permanent |
| Adverse, temporary | Adverse, temporary |
| Beneficial, temporary | Beneficial, temporary |
| Beneficial, permanent | Beneficial, permanent |

For full legend please refer to TR-04 legend page.

| | |
|------------|---|
| Map Number | TR-04-311 |
| Map Name | Significant Residual Transport Effects Arising from Operation SES2 and AP2 ES |
| | Community Area MA03: Pickmere to Agden and Hulseheath |

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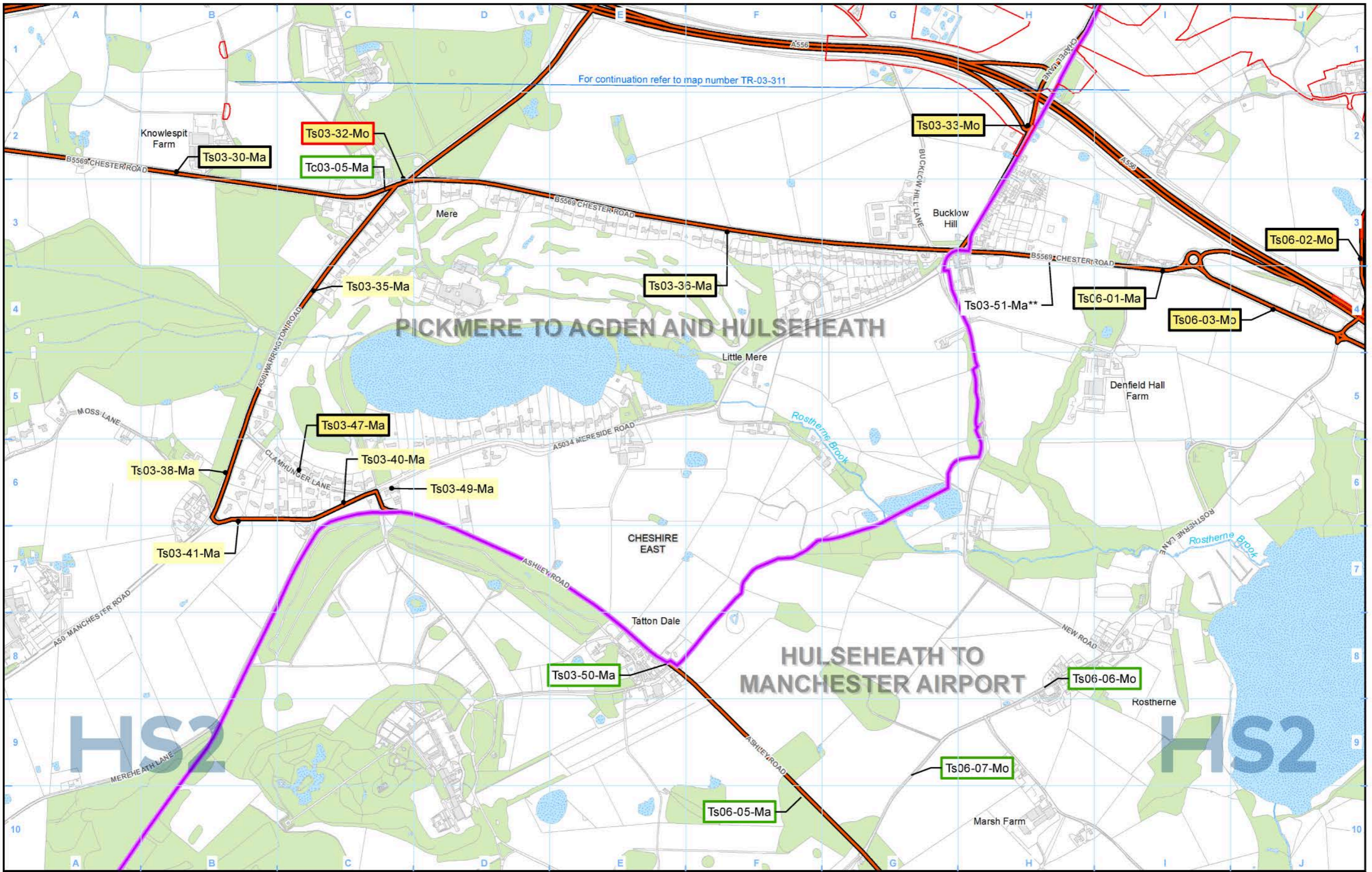
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Date: 13/04/23



For continuation refer to map number TR-03-311

PICKMERE TO AGDEN AND HULSEHEATH

HULSEHEATH TO MANCHESTER AIRPORT

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
- Construction traffic routes

Construction significant effects arising as a result of the current SES/AP:

- Adverse, permanent
- Adverse, temporary
- Beneficial, temporary
- Beneficial, permanent

Construction significant effects unchanged as a result of the current SES/AP:

- Adverse, permanent
- Adverse, temporary
- Beneficial, temporary
- Beneficial, permanent

For full legend please refer to TR-03 legend page.

| | |
|--|--|
| Map Number | TR-03-311-R1 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area MA03: Pickmere to Agden and Hulseheath | |

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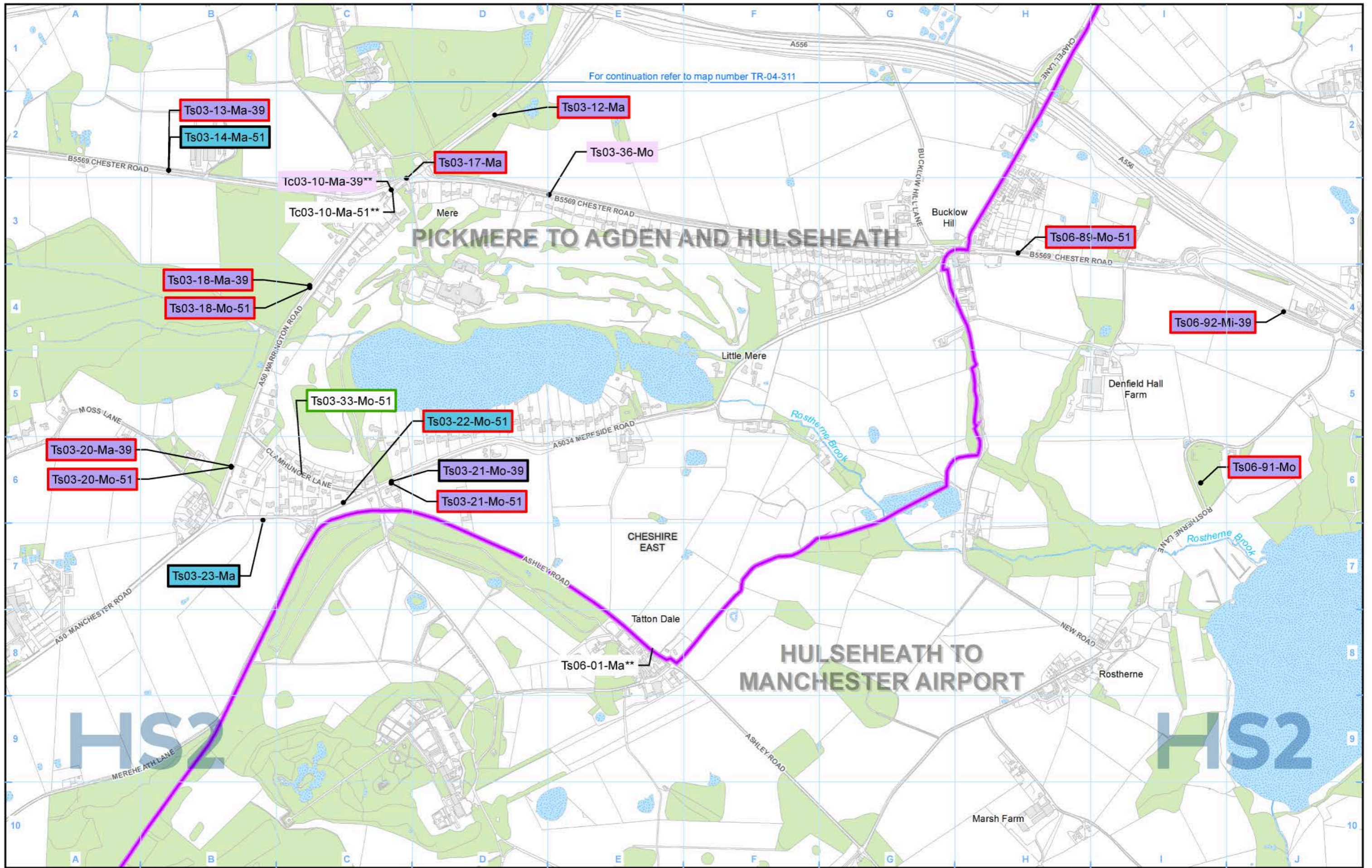
Doc Number: 2PT27-MWJ-EV-MAP-M000-003717-P01

Scale at A3: 1:10,000

Metres

Date: 03/05/23

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For continuation refer to map number TR-04-311

- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland

- Operational significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-311-R1

Map Name: Significant Residual Transport Effects Arising from Operation SES2 and AP2 ES

Community Area MA03: Pickmere to Agden and Hulseheath

HS2

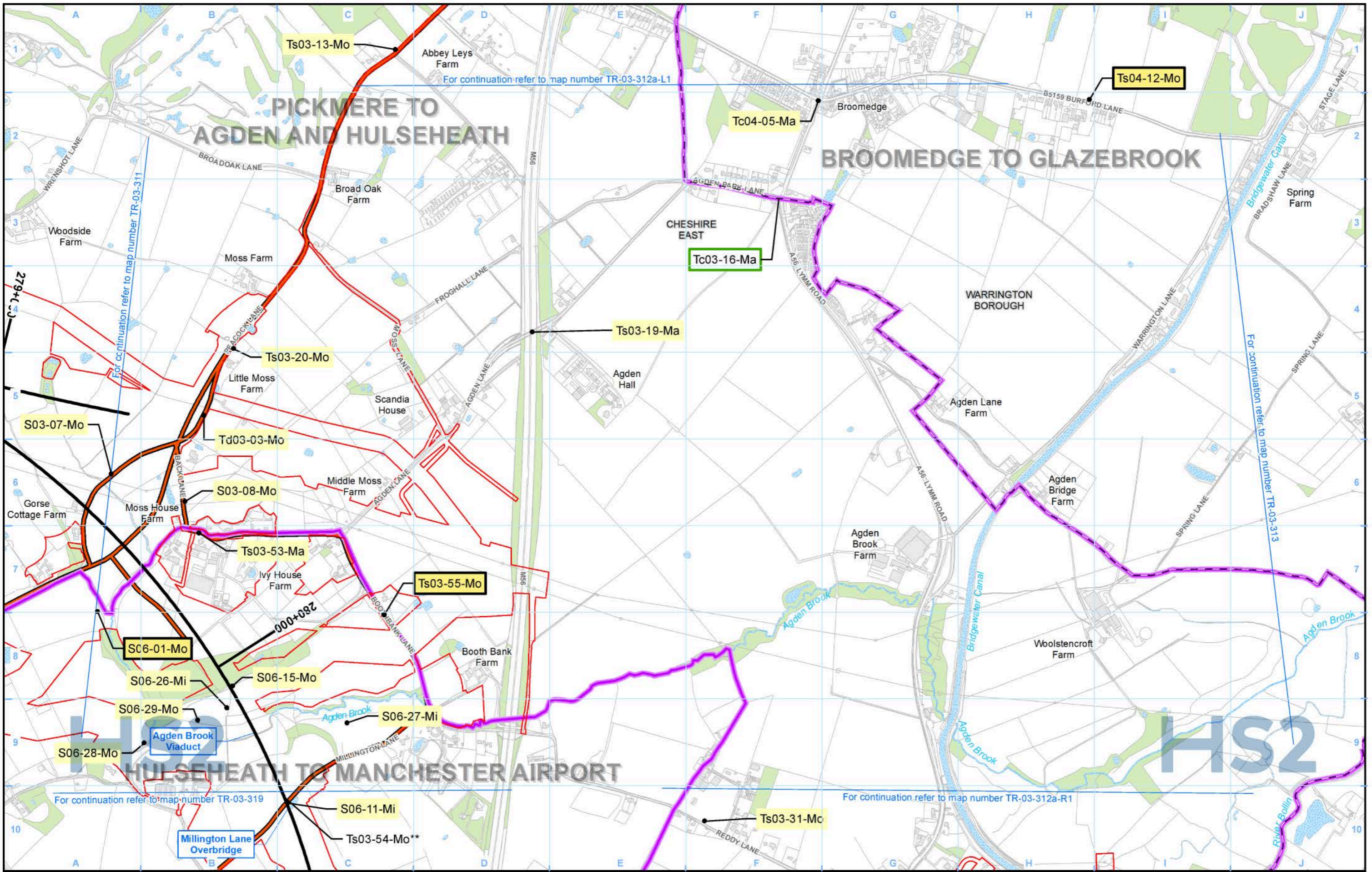
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Date: 13/04/23

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Legend

| | | | | | | | |
|--|---|--|-----------------------------|--|--|--|--|
| | Route in tunnel | | Watercourse | | Construction significant effects arising as a result of the current SES/AP: Adverse, permanent | | Construction significant effects unchanged as a result of the current SES/AP: Adverse, permanent |
| | Route on surface | | Water body | | Adverse, temporary | | Adverse, temporary |
| | Depot, station, headhouse or portal building | | Woodland | | Beneficial, temporary | | Beneficial, temporary |
| | Land potentially required during construction | | Construction traffic routes | | Beneficial, permanent | | Beneficial, permanent |
| | Community area boundary | | | | | | |
| | County boundary | | | | | | |
| | District/Borough boundary | | | | | | |

For full legend please refer to TR-03 legend page.

| | |
|--|--|
| Map Number | TR-03-312a |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area MA03: Pickmere to Agden and Hulseheath | |

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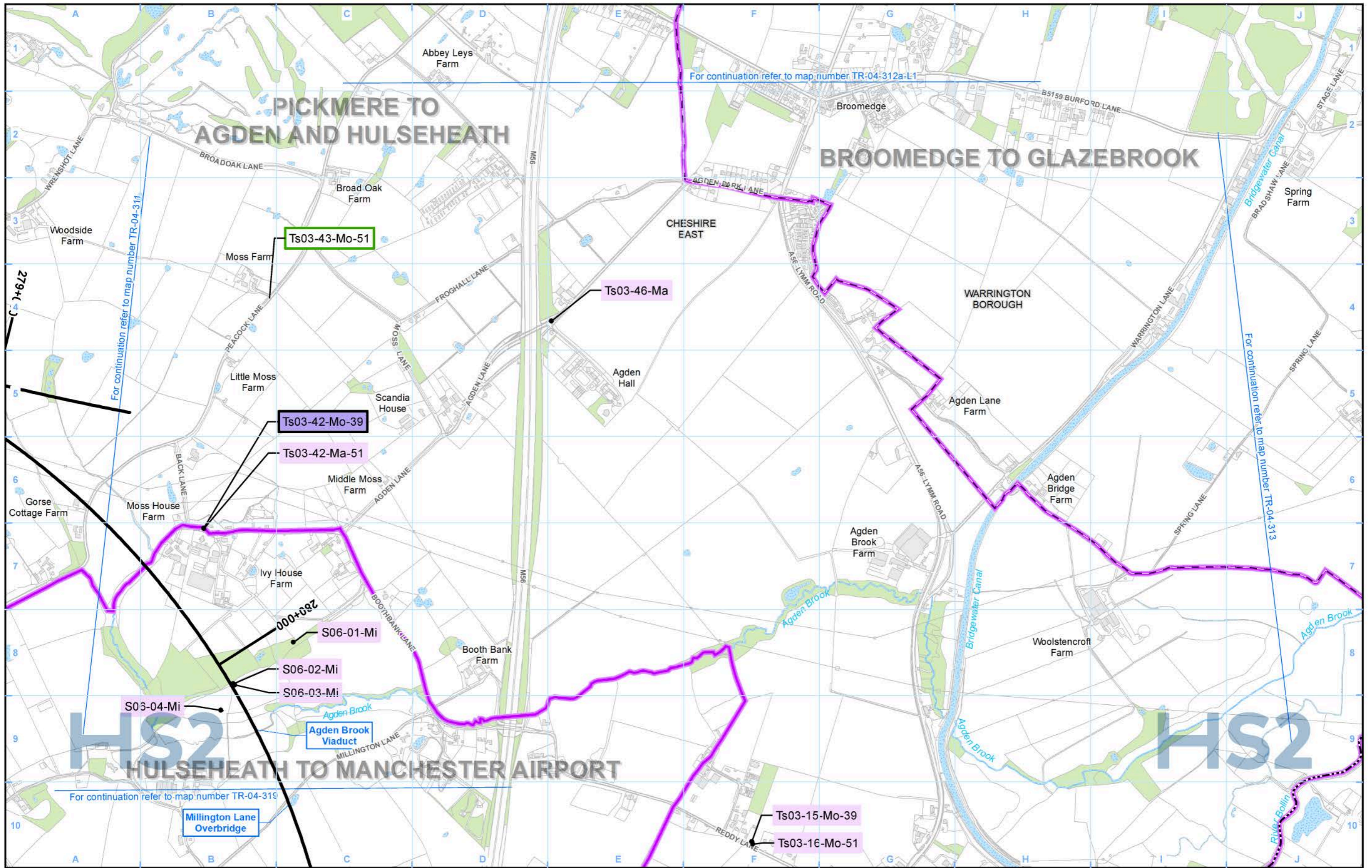
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Date: 03/05/23

Scale at A3: 1:10,000

Metres



- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary
 - Watercourse
 - Water body
 - Woodland

- Operational significant effects arising as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-312a

Map Name: Significant Residual Transport Effects Arising from Operation SES2 and AP2 ES

Community Area MA03: Pickmere to Agden and Hulseheath

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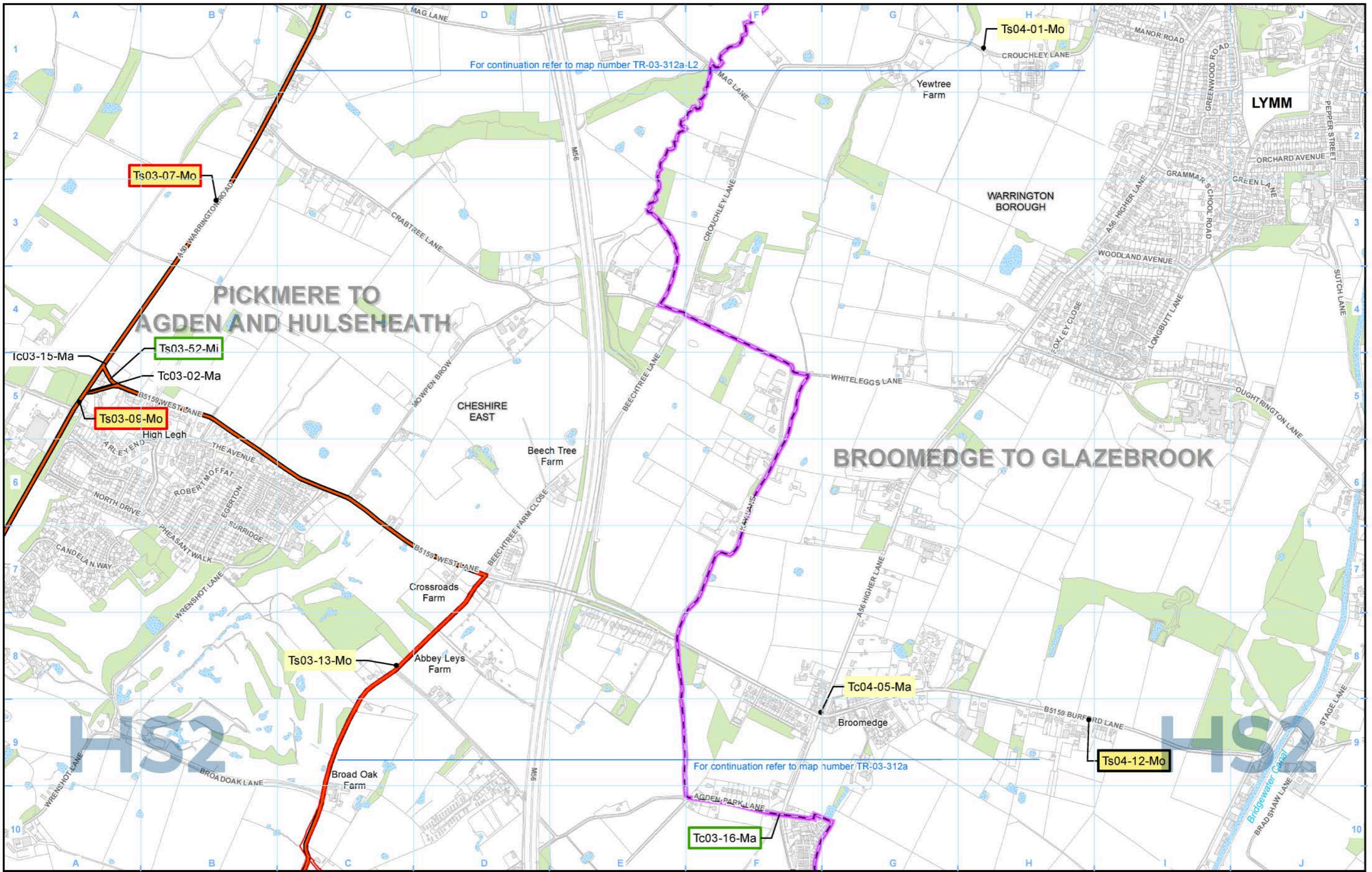
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Date: 13/04/23

Scale at A3: 1:10,000

Metres



Legend

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

| | |
|---|-----------------------|
| Construction significant effects arising as a result of the current SES/AP: | |
| | Adverse, permanent |
| | Adverse, temporary |
| | Beneficial, temporary |
| | Beneficial, permanent |

| | |
|---|-----------------------|
| Construction significant effects unchanged as a result of the current SES/AP: | |
| | Adverse, permanent |
| | Adverse, temporary |
| | Beneficial, temporary |
| | Beneficial, permanent |

For full legend please refer to TR-03 legend page.

| | |
|--|--|
| Map Number | TR-03-312a-L1 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area MA03: Pickmere to Agden and Hulseheath | |

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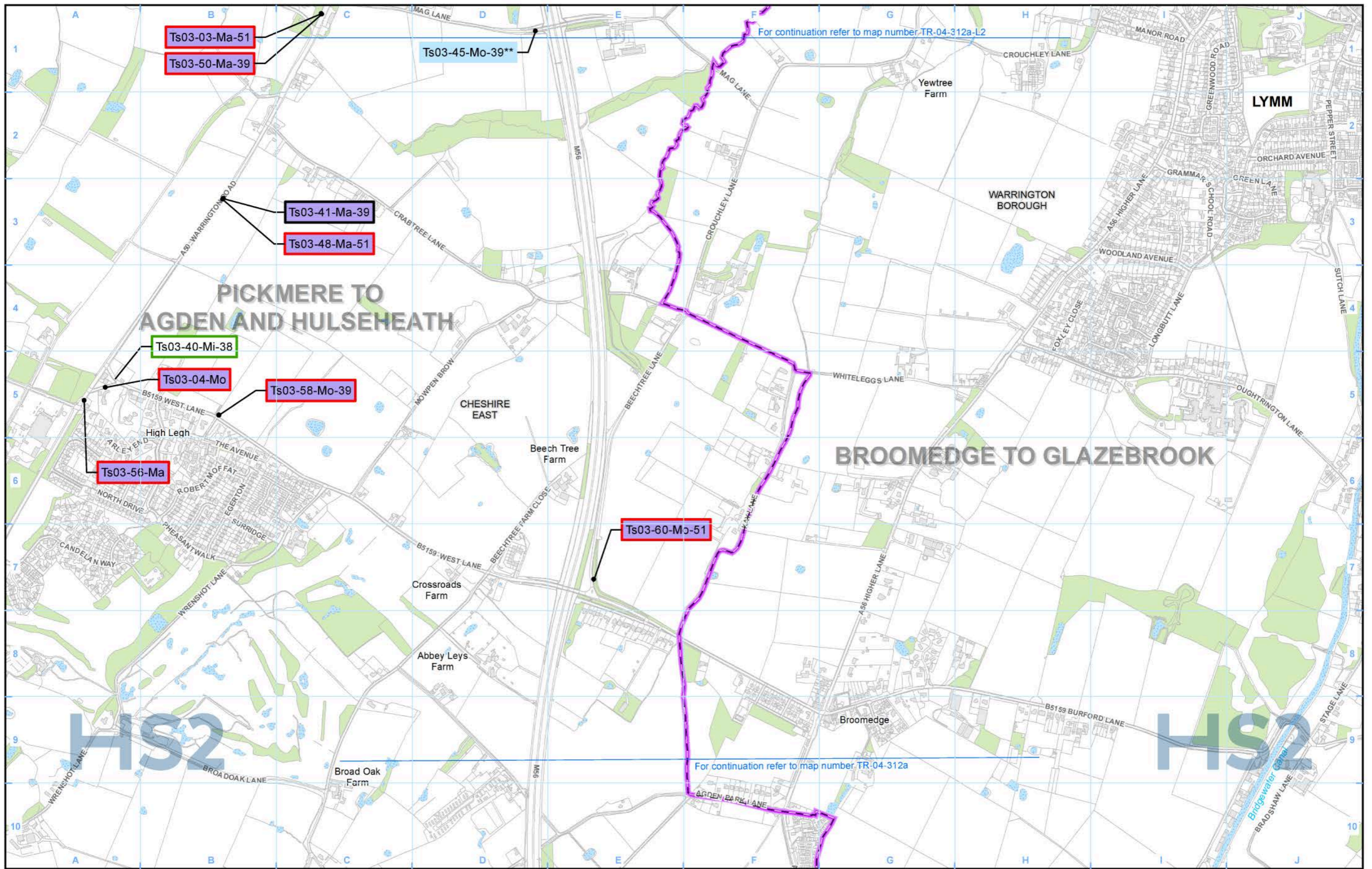
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Metres

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Ts03-03-Ma-51

Ts03-50-Ma-39

Ts03-45-Mo-39**

Ts03-41-Ma-39

Ts03-48-Ma-51

Ts03-40-Mi-38

Ts03-04-Mo

Ts03-58-Mo-39

Ts03-56-Ma

Ts03-60-Mo-51

Legend

| | | | |
|--|--|--|-------------|
| | Route in tunnel | | Watercourse |
| | Route on surface | | Water body |
| | Depot, station, headhouse or portal building | | Woodland |
| | Community area boundary | | |
| | County boundary | | |
| | District/Borough boundary | | |

| | |
|---|---|
| Operational significant effects arising as a result of the current SES/AP: | Operational significant effects unchanged as a result of the current SES/AP: |
| | |
| | |
| | |
| | |

For full legend please refer to TR-04 legend page.

| | |
|------------|---|
| Map Number | TR-04-312a-L1 |
| Map Name | Significant Residual Transport Effects Arising from Operation SES2 and AP2 ES |
| | Community Area MA03: Pickmere to Agden and Hulseheath |

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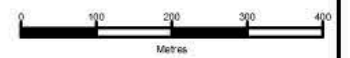
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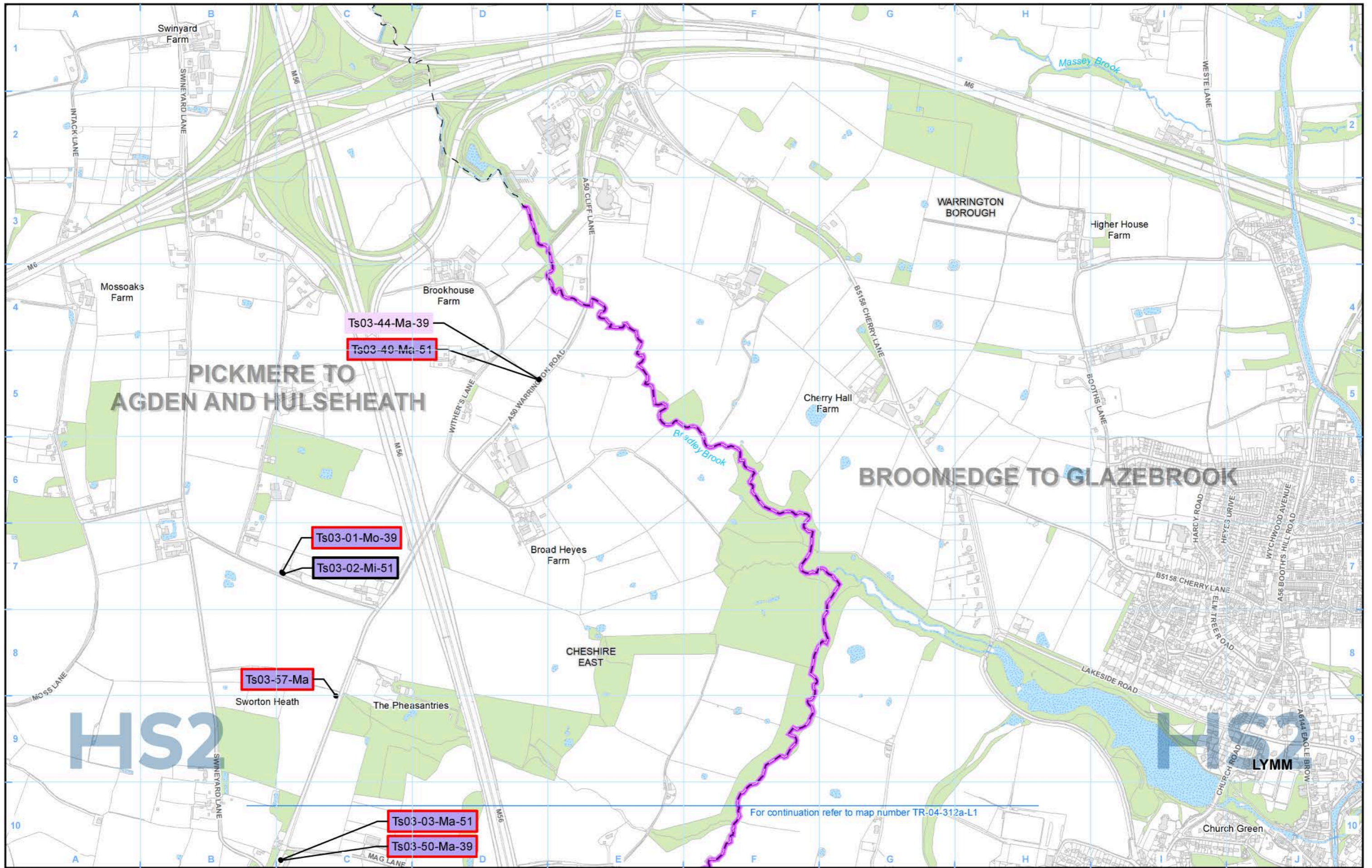
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- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary
 - Watercourse
 - Water body
 - Woodland

- Operational significant effects arising as a result of the current SES/AP:**
- | | |
|-----------------------|-----------------------|
| Adverse, permanent | Adverse, permanent |
| Adverse, temporary | Adverse, temporary |
| Beneficial, temporary | Beneficial, temporary |
| Beneficial, permanent | Beneficial, permanent |

Operational significant effects unchanged as a result of the current SES/AP:

For full legend please refer to TR-04 legend page.

Map Number: TR-04-312a-L2

Map Name: Significant Residual Transport Effects Arising from Operation SES2 and AP2 ES

Community Area MA03: Pickmere to Agden and Hulseheath

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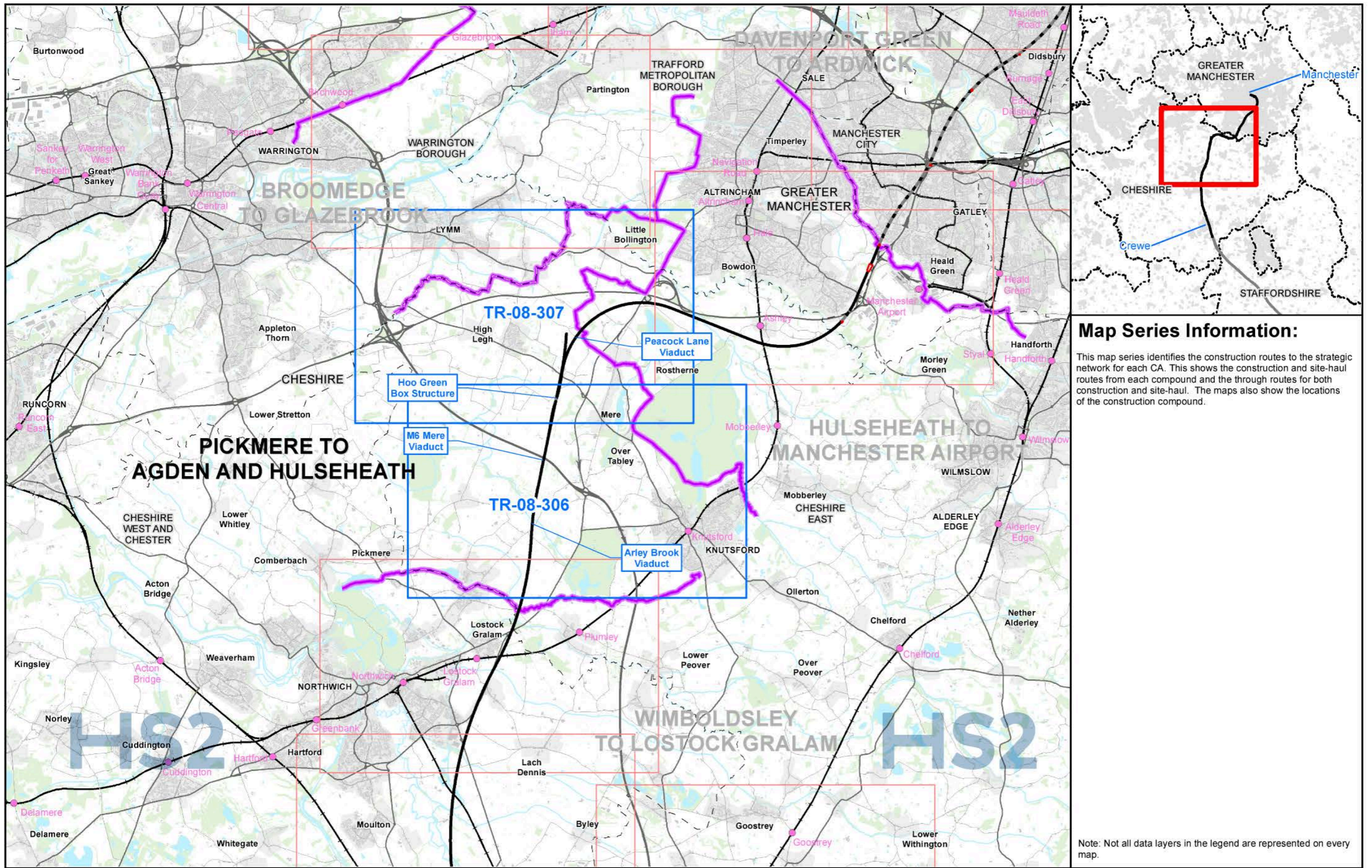
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Date: 13/04/23

Scale at A3: 1:10,000

Metres





Map Series Information:

This map series identifies the construction routes to the strategic network for each CA. This shows the construction and site-haul routes from each compound and the through routes for both construction and site-haul. The maps also show the locations of the construction compound.

Main Map Legend

| | |
|--|--|
| Route in tunnel; Underground Box | 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 | TR-08-INDEX-MA03 |
| Map Name | Index Map of: Construction Routes to the Strategic Network SES2 and AP2 ES Community Area MA03: Pickmere to Agden and Hulseheath |

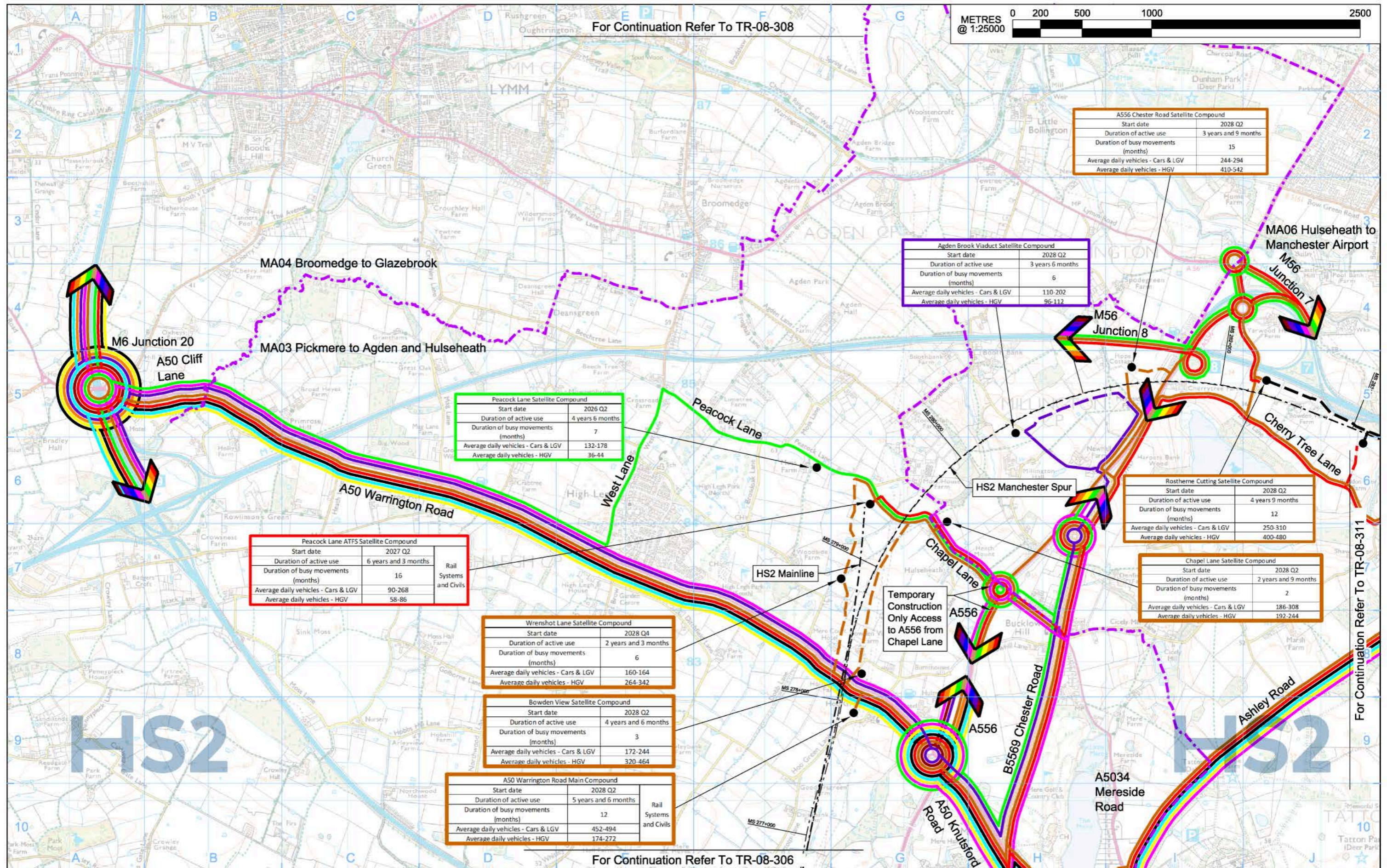
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Legend

- Compound Traffic Routes
- Site Haul to Compound
- Through Construction Traffic Routes (To/From Other Scheme Compounds)
- HS2 Route
- Onward Construction Routes
- Community Area boundary
- Through Site Haul to Compound (To/From Other Scheme Compounds)
- Movement of Excavated Material
- Construction Compounds

The compound start dates and estimated duration of active use are based on the Indicative Construction Programme included in the volume 2 Community Area reports.

Traffic figures represent two way trips.

Rail system compounds are shown where they are likely to generate more than 24 HGV movements a day in the peak month (average two-way) or are associated with a construction civil engineering works compound

For TR08 drawing route see 2D301-MWJ-TM-DPL-M002-300000

Map Number: TR-08-307

Map Name: Construction Routes to the Strategic Road Network

Community Area: MA03 Pickmere to Agden and Hulseheath

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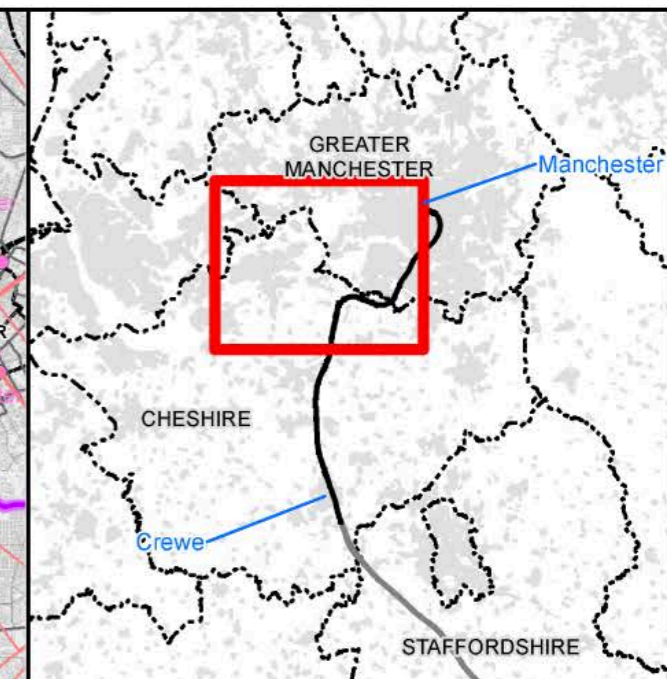
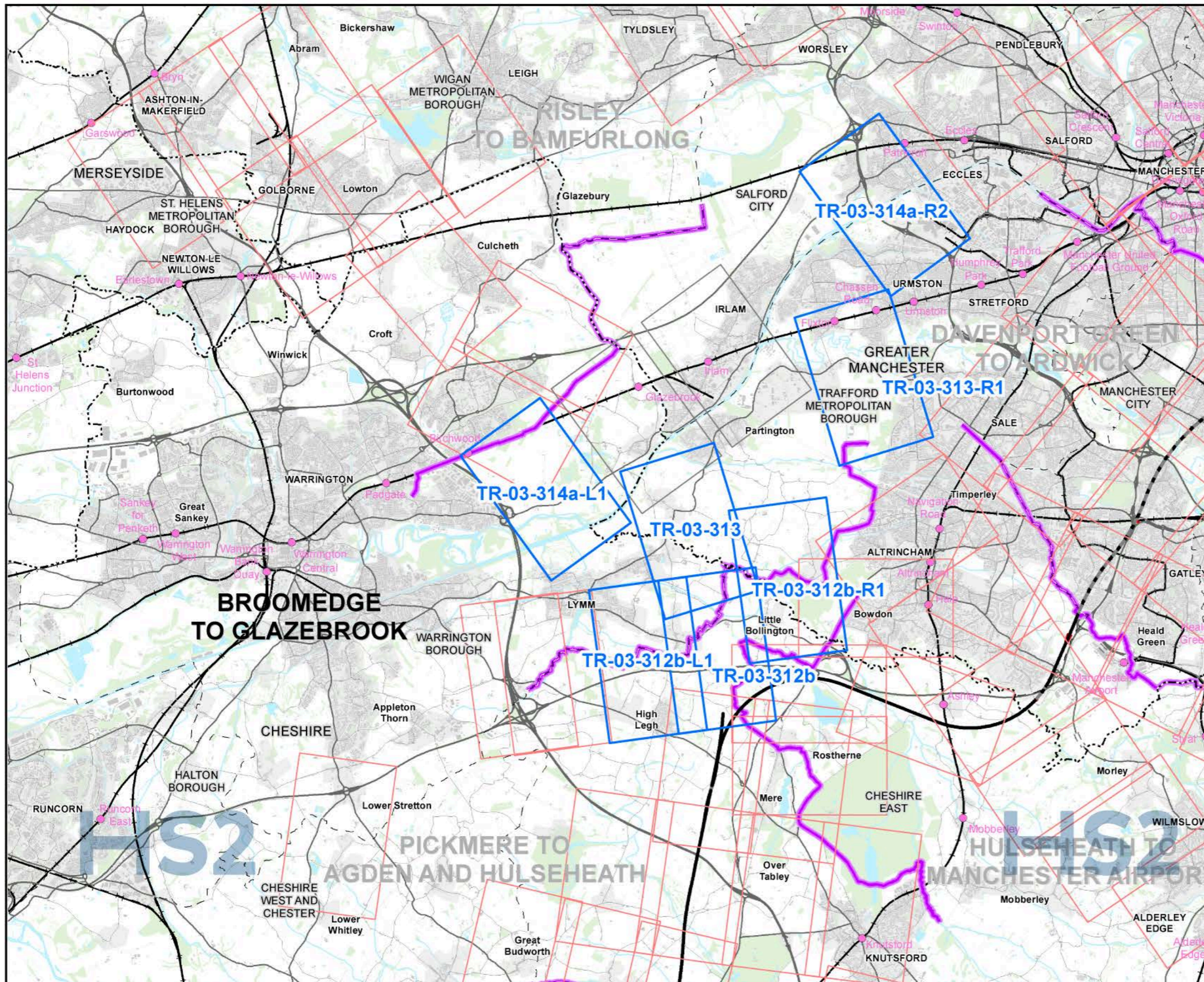
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High Speed Rail (Crewe – Manchester)

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

MA04: Broomedge to Glazebrook

TR-03 - Significant Residual Transport Effects Arising during Construction
and Construction Traffic Routes



Map Series Information:

This map series identifies the significant residual transport effects arising from construction of the Proposed Scheme and the construction traffic routes. Traffic routes are the identified routes which Heavy Goods Vehicles (HGVs) will use between compounds and the main A road/ strategic road network within each CA. The effects include those that are temporary (adverse/beneficial) from transport related impacts as a result of the Proposed Scheme on the transport network and the level of significance of those effects (minor, moderate or major).

- 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 | TR-03-INDEX-MA04 |
| Map Name | Index Map of: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area MA04: Broomedge to Glazebrook | |

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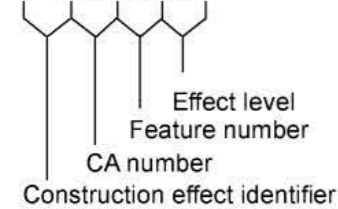
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Doc Number: 2PT27-MWJ-EV-MAP-M000-002181-P01 Date: 03/05/23

Significant effect label:

Significant effect reference:

PT01-01-Mi



Construction effect identifier:

- PT - Public transport delay
- D - Disruption at stations / interchanges
- Tc - Traffic congestion and delays to vehicle occupants
- Td - Traffic diversion
- Ts - Traffic severance - non-motorised users
- P - Parking and loading
- V - Vulnerable road user delays, amenity and ambience
- A - Accidents and safety
- S - Severance
- W - Waterways

Effect level:

- Mi - Minor
- Mo - Moderate
- Ma - Major

Where a significant effect has been changed due to a correction to mapping produced in the main ES or previous SES/AP, the significant effect reference is suffixed with a double asterisk (**). The map now shows the correct effect.

The colour of the border around each significant effect arising from the current SES/AP and the significant effect descriptor denotes whether the effect is added or removed or there is a change to the type (i.e. adverse/beneficial) or level of effect (i.e. major/moderate/minor) in a given forecast year at the current SES/AP.

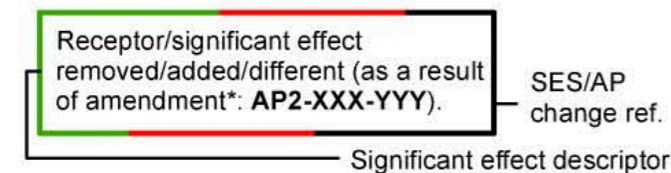
Where the colour of the border is black but the type and level of the significant effect are unchanged from those shown in the MA06-08 and ORW Community Area Map Books in the main ES or the MA01-05 Community Area Map Books in the previous SES/AP, this denotes that the current SES/AP will give rise to a different (increased/decreased) significant effect but will not change the level of significance of the effect.

Removed effect Added effect Different effect

Where there is no colour border around a label with a white background, this denotes a correction to a significant effect that was previously mapped but did not represent a significant effect within the assessment.

Significant effect descriptor:

Where the change in effect is directly attributable to a specific SES/AP change, this is denoted by the following significant effect descriptor:



Where the change in effect is caused by a combination of SES/AP changes, no significant effect descriptor is provided.

| | |
|------------|--|
| Map Number | TR-03 - Legend |
| Map Name | TR-03 - Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes - SES2 and AP2 ES |

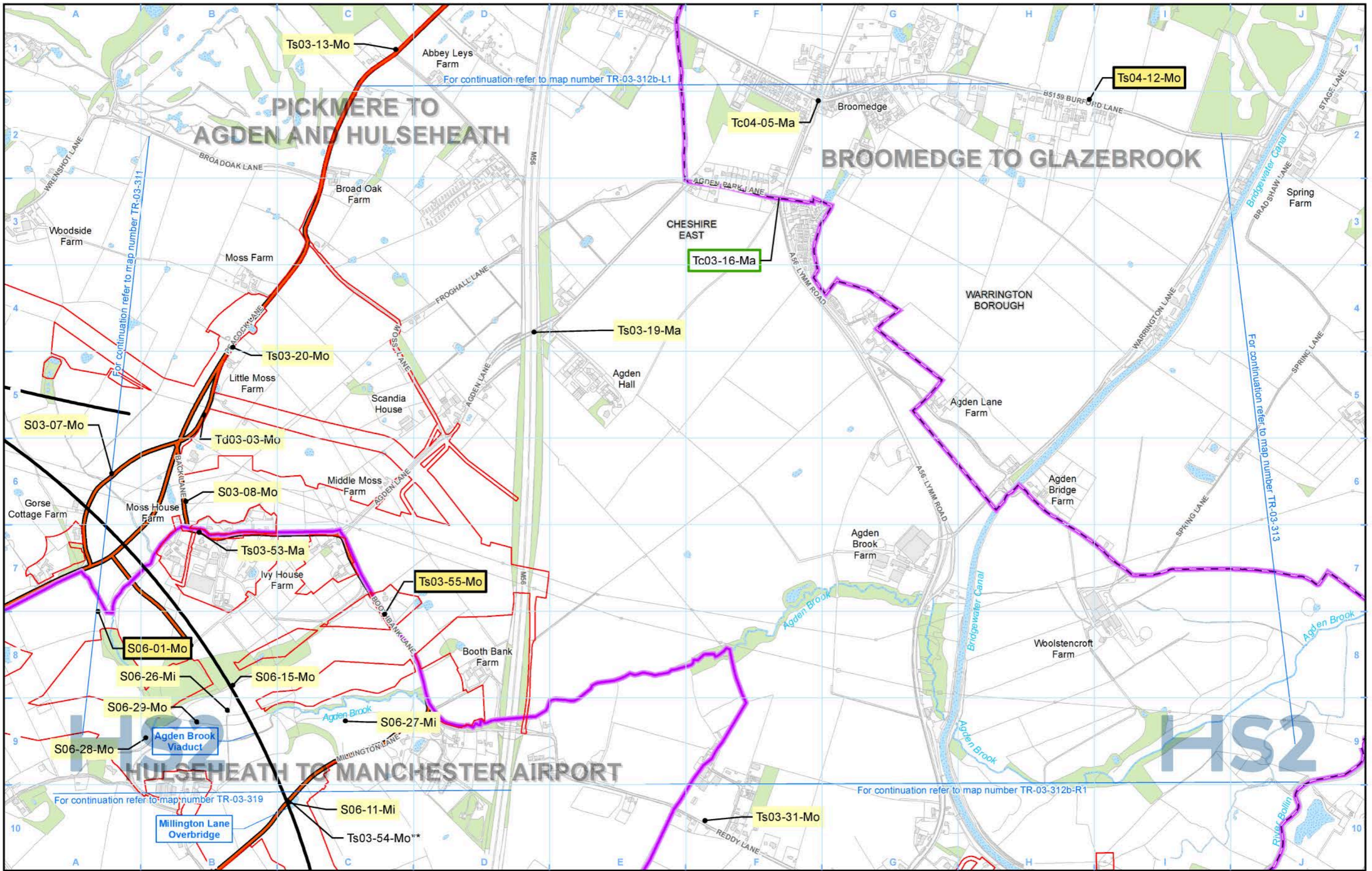
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Date: 03/05/23



| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | |
|--------|---|---|-----------------------|---|-----------------------|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent |
| | Route on surface | | Adverse, temporary | | Adverse, temporary |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent |
| | Community area boundary | | | | |
| | County boundary | | | | |
| | District/Borough boundary | | | | |
| | Watercourse | | | | |
| | Water body | | | | |
| | Woodland | | | | |
| | Construction traffic routes | | | | |

Map Number: TR-03-312b

Map Name: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES

Community Area MA04: Broomedge to Glazebrook

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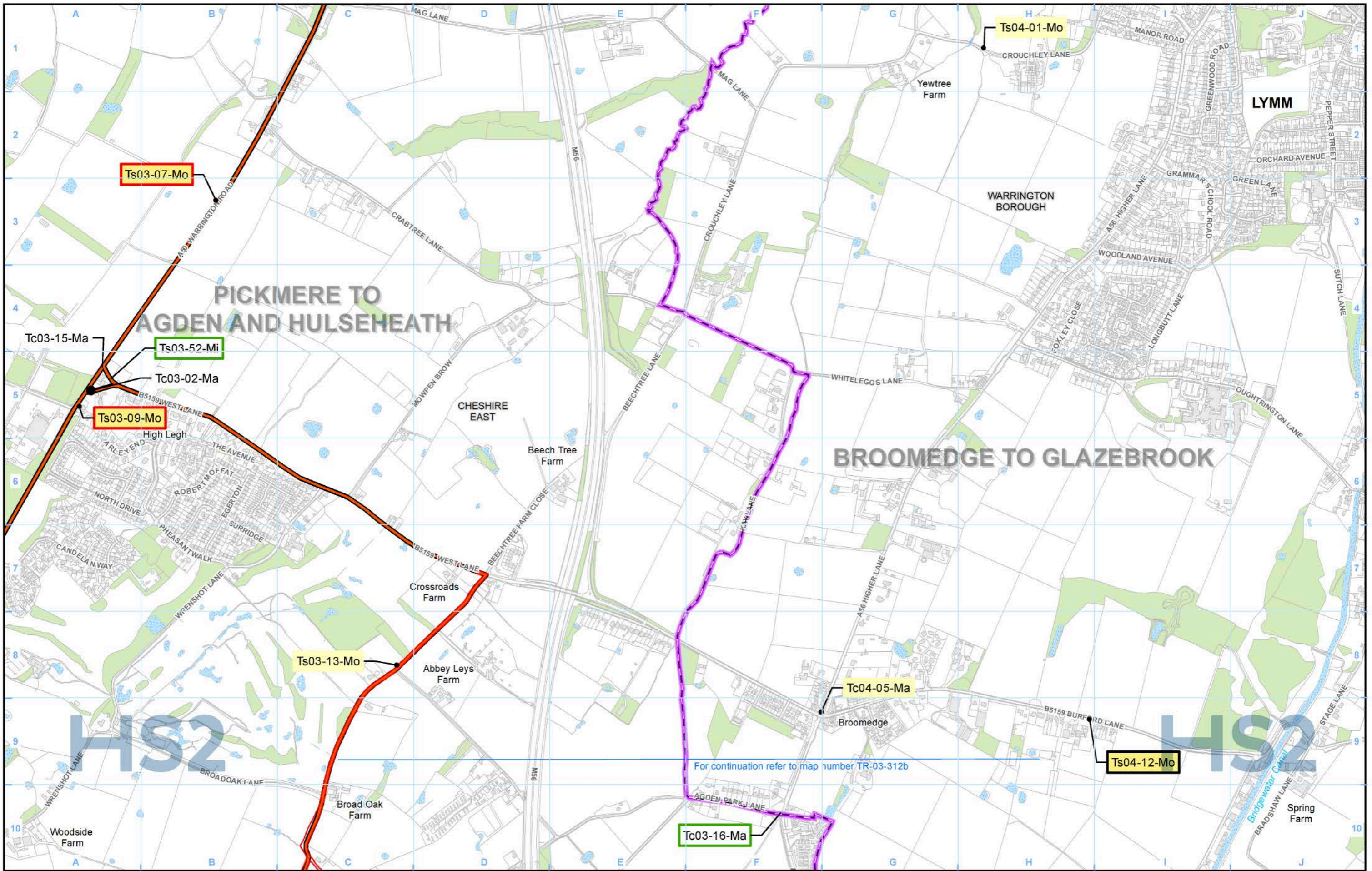
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Date: 03/05/23

Scale at A3: 1:10,000

Metres



| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: For full legend please refer to TR-03 legend page. | |
|--------|---|---|-----------------------|--|-----------------------|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent |
| | Route on surface | | Adverse, temporary | | Adverse, temporary |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent |
| | Community area boundary | | | | |
| | County boundary | | | | |
| | District/Borough boundary | | | | |
| | Watercourse | | | | |
| | Water body | | | | |
| | Woodland | | | | |
| | Construction traffic routes | | | | |

Map Number: TR-03-312b-L1

Map Name: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES

Community Area MA04: Broomedge to Glazebrook

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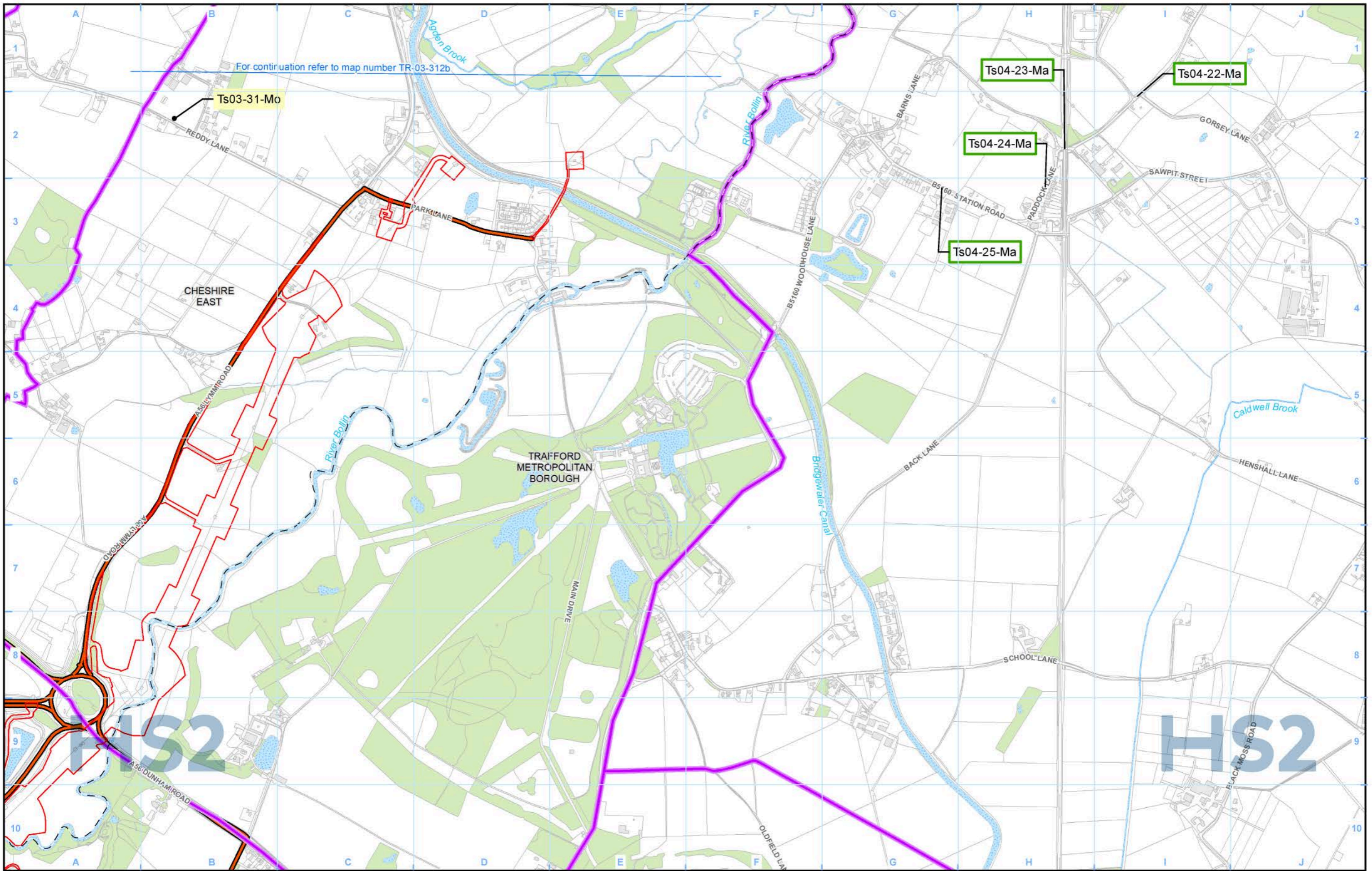
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Doc Number: 2PT27-MWJ-EV-MAP-M000-003719-P01

Date: 03/05/23

Scale at A3: 1:10,000

Metres



For continuation refer to map number TR-03-312b

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 |
| | Construction traffic routes |

| | |
|--|-----------------------|
| | Adverse, permanent |
| | Adverse, temporary |
| | Beneficial, temporary |
| | Beneficial, permanent |

| | |
|--|-----------------------|
| | Adverse, permanent |
| | Adverse, temporary |
| | Beneficial, temporary |
| | Beneficial, permanent |

Construction significant effects arising as a result of the current SES/AP:
 Construction significant effects unchanged as a result of the current SES/AP:
 For full legend please refer to TR-03 legend page.

| | |
|---|--|
| Map Number | TR-03-312b-R1 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area MA04: Broomedge to Glazebrook | |

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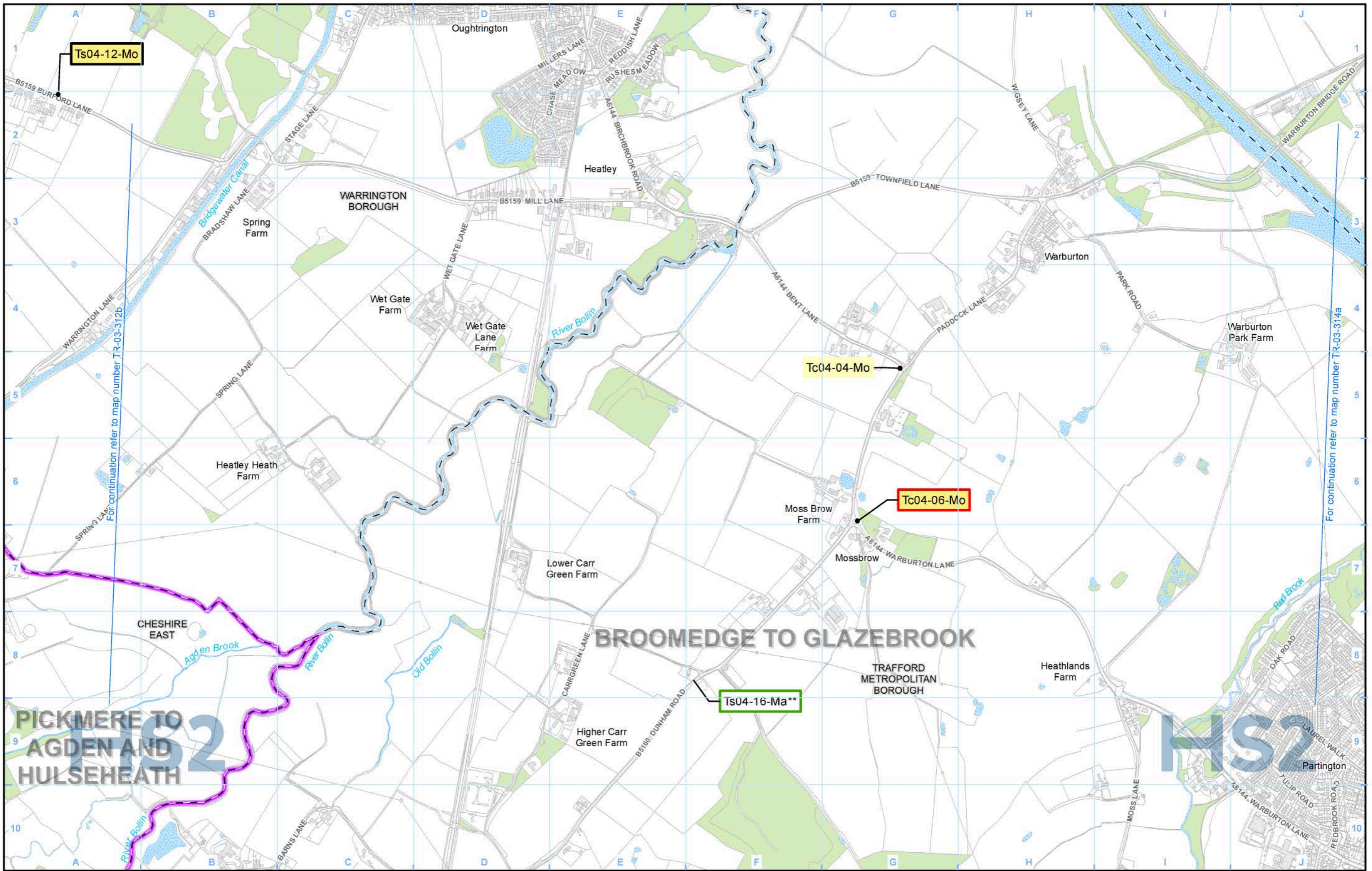
Doc Number: 2PT27-MWJ-EV-MAP-M000-003969-P01

Scale at A3: 1:10,000

Metres

Date: 03/05/23

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| Legend | | Construction significant effects arising as a result of the current SES/AP: | | For full legend please refer to TR-03 legend page. |
|--------|---|---|-----------------------------|--|
| | Route in tunnel | | Adverse, permanent | |
| | Route on surface | | Adverse, temporary | |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | |
| | Land potentially required during construction | | Beneficial, permanent | |
| | Community area boundary | | Watercourse | |
| | County boundary | | Water body | |
| | District/Borough boundary | | Woodland | |
| | | | Construction traffic routes | |

| | |
|------------|--|
| Map Number | TR-03-313 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA04: Broomedge to Glazebrook |

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Metres

Date: 03/05/23



| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: For full legend please refer to TR-03 legend page. | |
|--------|---|---|-----------------------|--|-----------------------|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent |
| | Route on surface | | Adverse, temporary | | Adverse, temporary |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent |
| | Community area boundary | | | | |
| | County boundary | | | | |
| | District/Borough boundary | | | | |
| | Watercourse | | | | |
| | Water body | | | | |
| | Woodland | | | | |
| | Construction traffic routes | | | | |

| | |
|------------|--|
| Map Number | TR-03-313-R1 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA04: Broomedge to Glazebrook |

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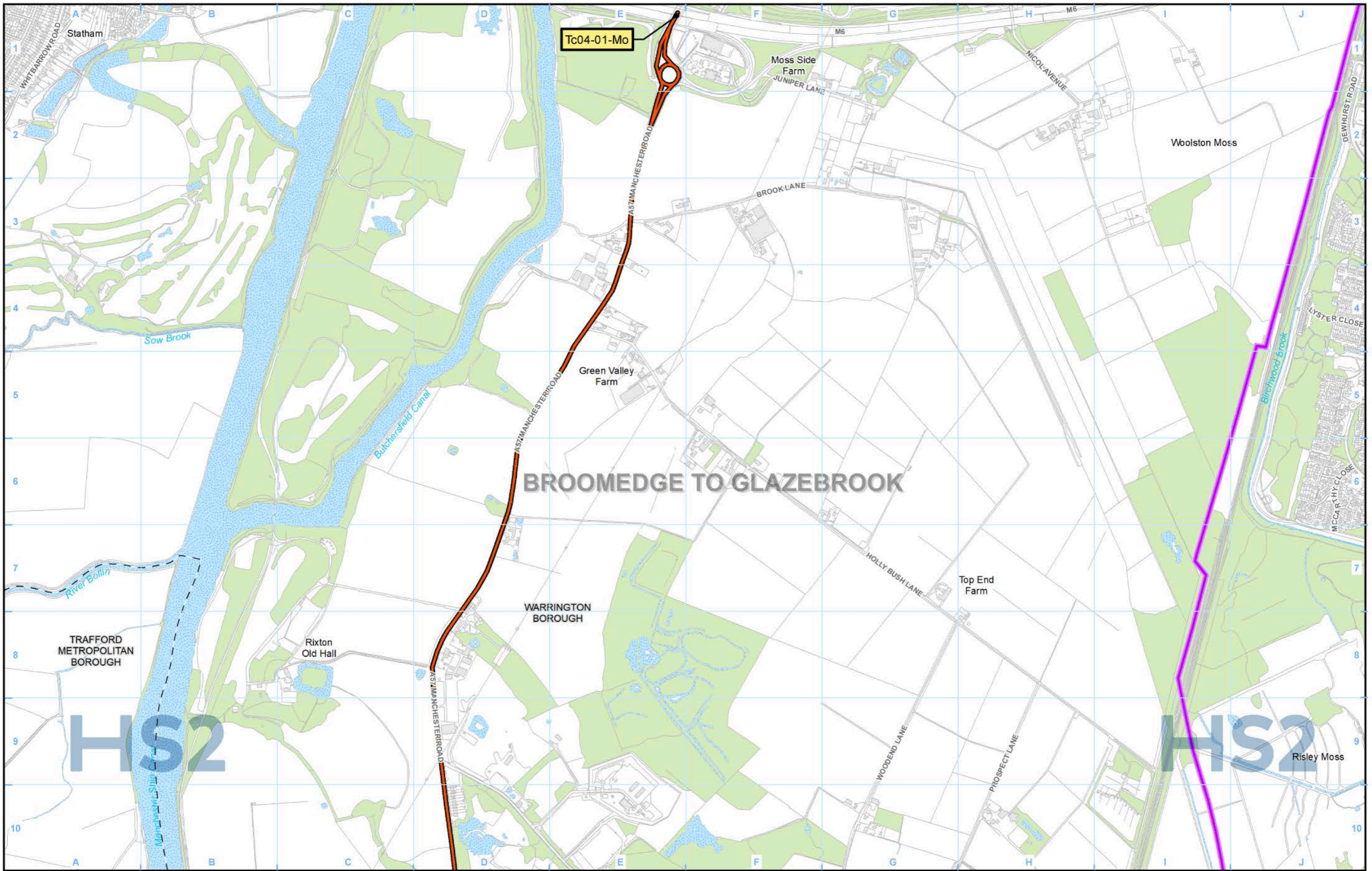
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BROOMEDGE TO GLAZEBROOK

| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | |
|--------|---|---|-----------------------|---|-----------------------|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent |
| | Route on surface | | Adverse, temporary | | Adverse, temporary |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent |
| | Community area boundary | | | | |
| | County boundary | | | | |
| | District/Borough boundary | | | | |
| | Watercourse | | | | |
| | Water body | | | | |
| | Woodland | | | | |
| | Construction traffic routes | | | | |

For full legend please refer to TR-03 legend page.

| | |
|----------------|--|
| Map Number | TR-03-314a-L1 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area | Community Area MA04: Broomedge to Glazebrook |

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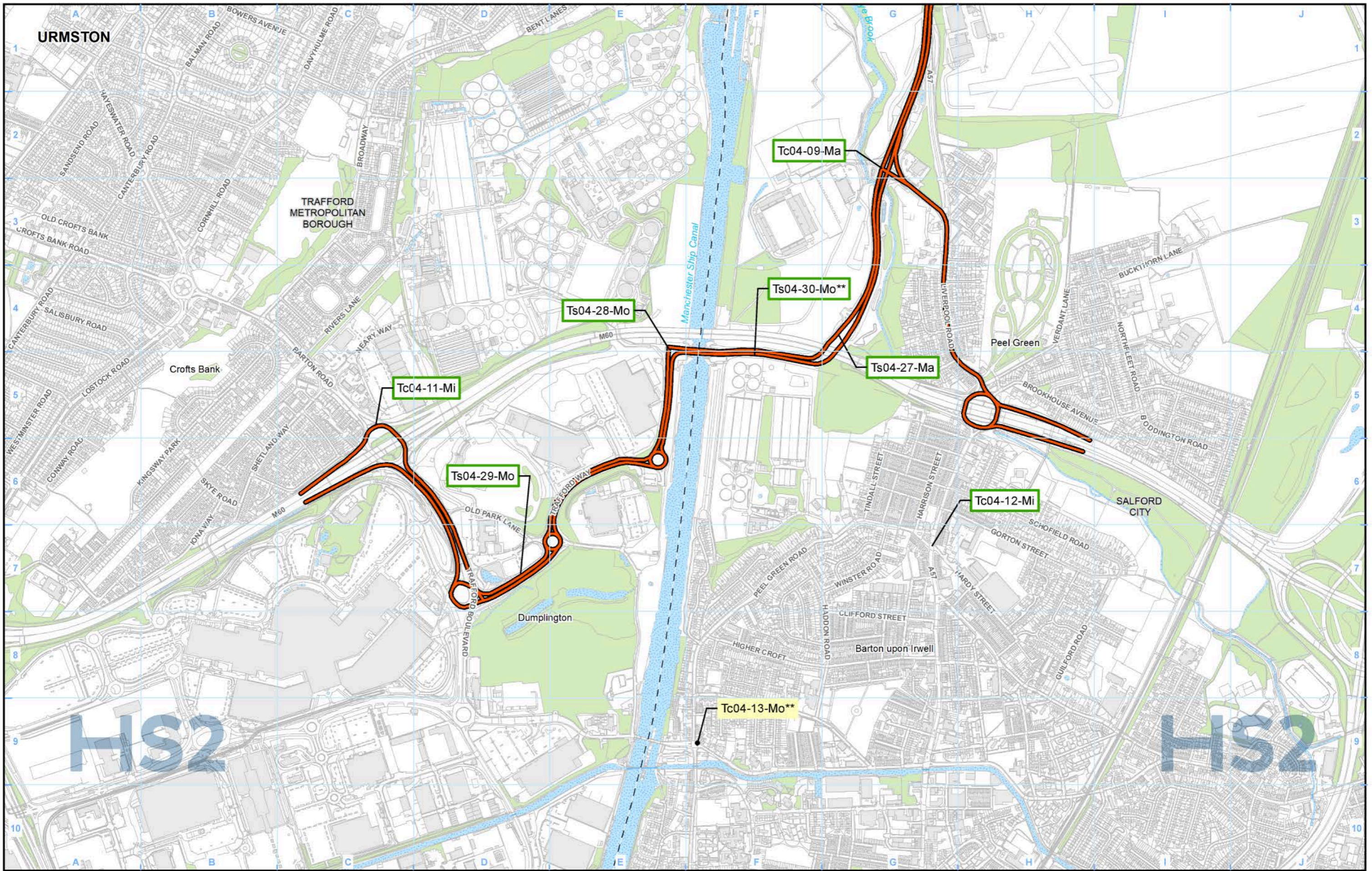
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Doc Number: 2PT27-MWJ-EV-MAP-M000-002905-P01

Scale at A3: 1:10,000

Metres

Date: 03/05/23



| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | | For full legend please refer to TR-03 legend page. |
|--------|---|---|-----------------------------|---|-----------------------|--|
| | Route in tunnel | | Watercourse | | Adverse, permanent | |
| | Route on surface | | Water body | | Adverse, temporary | |
| | Depot, station, headhouse or portal building | | Woodland | | Beneficial, temporary | |
| | Land potentially required during construction | | Construction traffic routes | | Beneficial, permanent | |
| | Community area boundary | | | | | |
| | County boundary | | | | | |
| | District/Borough boundary | | | | | |

| | |
|------------|--|
| Map Number | TR-03-314a-R2 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA04: Broomedge to Glazebrook |

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Doc Number: 2PT27-MWJ-EV-MAP-M000-004060-P01

Scale at A3: 1:10,000

Metres

Date: 03/05/23

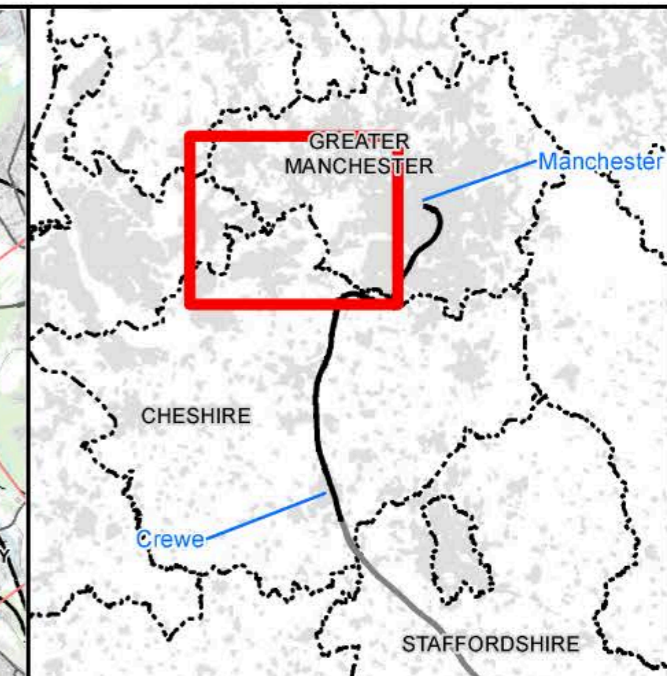
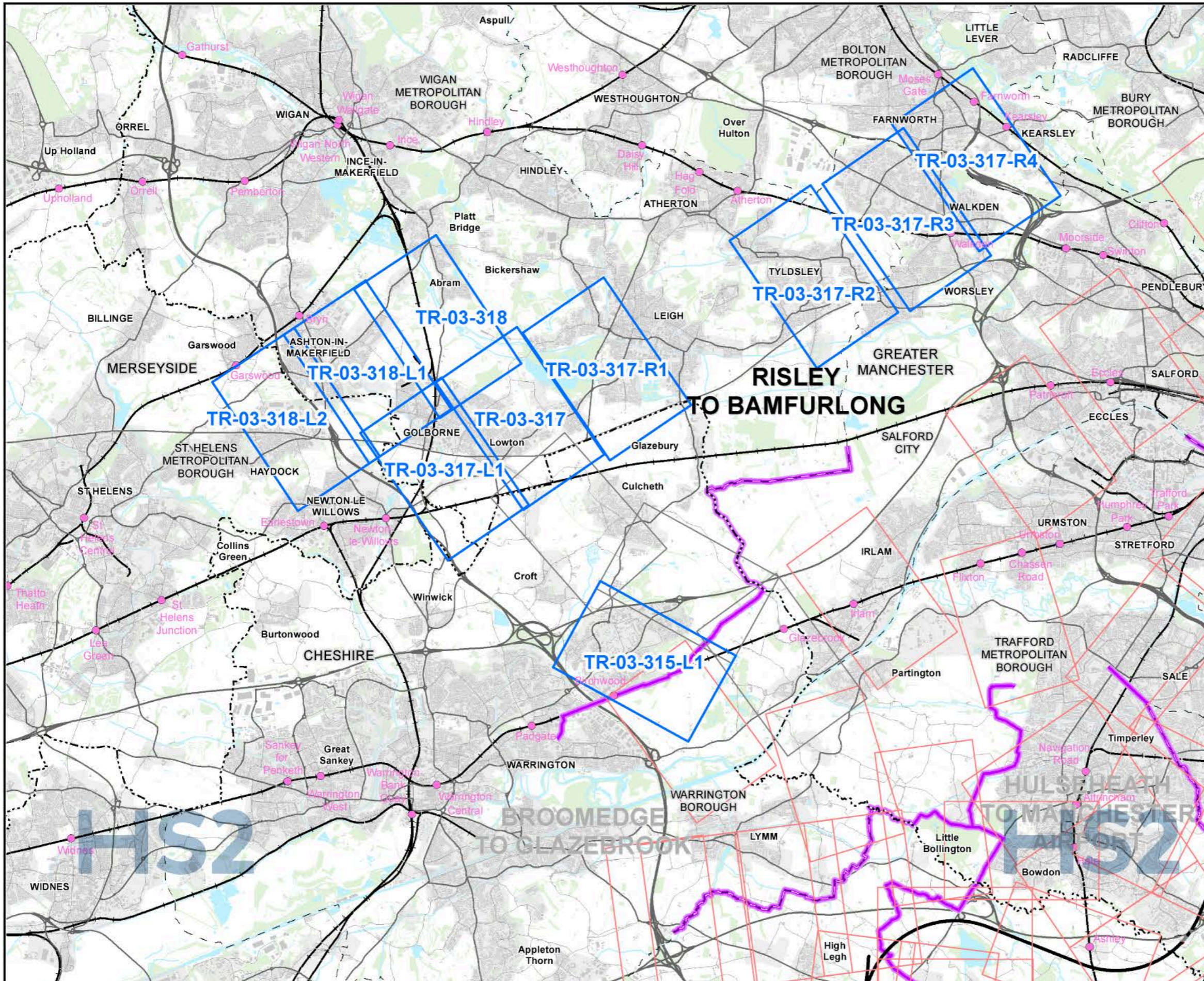
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High Speed Rail (Crewe – Manchester)

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

MA05: Risley to Bamfurlong

TR-03 - Significant Residual Transport Effects Arising during Construction
and Construction Traffic Routes



Map Series Information:

This map series identifies the significant residual transport effects arising from construction of the Proposed Scheme and the construction traffic routes. Traffic routes are the identified routes which Heavy Goods Vehicles (HGVs) will use between compounds and the main A road/ strategic road network within each CA. The effects include those that are temporary (adverse/beneficial) from transport related impacts as a result of the Proposed Scheme on the transport network and the level of significance of those effects (minor, moderate or major).

- 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 | TR-03-INDEX-MA05 |
| Map Name | Index Map of: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA05: Risley to Bamfurlong |

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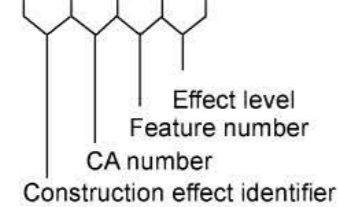
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Doc Number: 2PT27-MWJ-EV-MAP-M000-002182-P01 Date: 03/05/23

Significant effect label:

Significant effect reference:

PT01-01-Mi



Construction effect identifier:

- PT - Public transport delay
- D - Disruption at stations / interchanges
- Tc - Traffic congestion and delays to vehicle occupants
- Td - Traffic diversion
- Ts - Traffic severance - non-motorised users
- P - Parking and loading
- V - Vulnerable road user delays, amenity and ambience
- A - Accidents and safety
- S - Severance
- W - Waterways

Effect level:

- Mi - Minor
- Mo - Moderate
- Ma - Major

Where a significant effect has been changed due to a correction to mapping produced in the main ES or previous SES/AP, the significant effect reference is suffixed with a double asterisk (**). The map now shows the correct effect.

The colour of the border around each significant effect arising from the current SES/AP and the significant effect descriptor denotes whether the effect is added or removed or there is a change to the type (i.e. adverse/beneficial) or level of effect (i.e. major/moderate/minor) in a given forecast year at the current SES/AP.

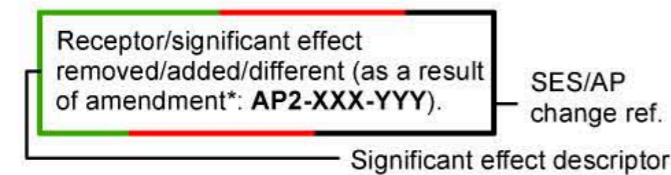
Where the colour of the border is black but the type and level of the significant effect are unchanged from those shown in the MA06-08 and ORW Community Area Map Books in the main ES or the MA01-05 Community Area Map Books in the previous SES/AP, this denotes that the current SES/AP will give rise to a different (increased/decreased) significant effect but will not change the level of significance of the effect.

Removed effect Added effect Different effect

Where there is no colour border around a label with a white background, this denotes a correction to a significant effect that was previously mapped but did not represent a significant effect within the assessment.

Significant effect descriptor:

Where the change in effect is directly attributable to a specific SES/AP change, this is denoted by the following significant effect descriptor:



Where the change in effect is caused by a combination of SES/AP changes, no significant effect descriptor is provided.

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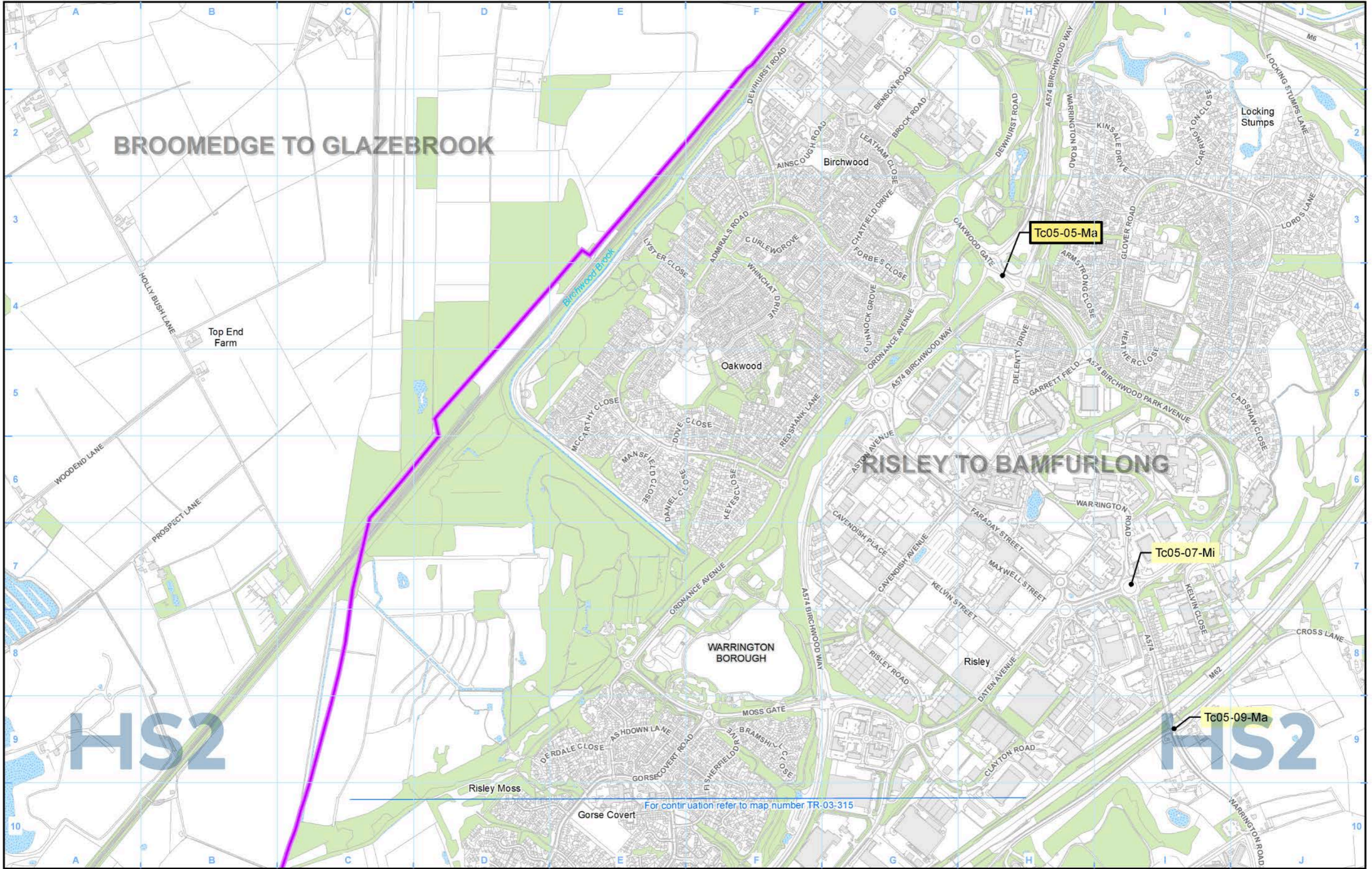
| | |
|------------|--|
| Map Number | TR-03 - Legend |
| Map Name | TR-03 - Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes - SES2 and AP2 ES |

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BROOMEDGE TO GLAZEBROOK

RISLEY TO BAMFURLONG

| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | | For full legend please refer to TR-03 legend page. |
|--------|---|---|-----------------------|---|-----------------------|--|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent | |
| | Route on surface | | Adverse, temporary | | Adverse, temporary | |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary | |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent | |
| | Community area boundary | | | | | |
| | County boundary | | | | | |
| | District/Borough boundary | | | | | |
| | Watercourse | | | | | |
| | Water body | | | | | |
| | Woodland | | | | | |
| | Construction traffic routes | | | | | |

| | |
|------------|--|
| Map Number | TR-03-315-L1 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA05: Risley to Bamfurlong |

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Doc Number: 2PT27-MWJ-EV-MAP-M000-002730-P01

Scale at A3: 1:10,000

Metres

Date: 03/05/23



For continuation refer to map number TR-03-317-L1

For continuation refer to map number TR-03-316

For continuation refer to map number TR-03-318

| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | |
|--------|---|---|-----------------------|---|-----------------------|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent |
| | Route on surface | | Adverse, temporary | | Adverse, temporary |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent |
| | Community area boundary | | | | |
| | County boundary | | | | |
| | District/Borough boundary | | | | |
| | Watercourse | | | | |
| | Water body | | | | |
| | Woodland | | | | |
| | Construction traffic routes | | | | |

For full legend please refer to TR-03 legend page.

| | |
|--|--|
| Map Number | TR-03-317 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area MA05: Risley to Bamfurlong | |

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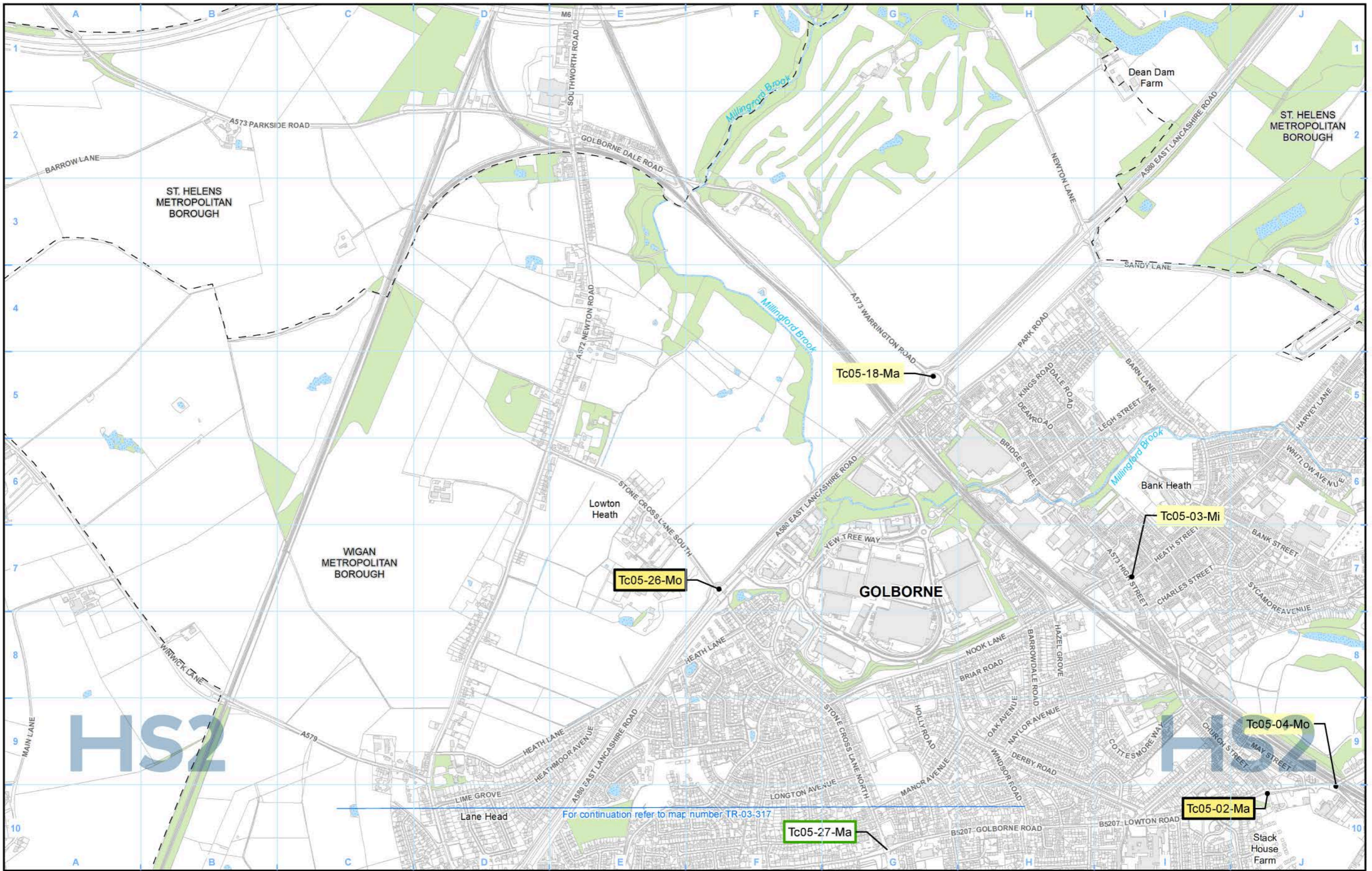
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Scale at A3: 1:10,000

Metres

Date: 03/05/23



| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | |
|--------|---|---|-----------------------|---|-----------------------|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent |
| | Route on surface | | Adverse, temporary | | Adverse, temporary |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent |
| | Community area boundary | | | | |
| | County boundary | | | | |
| | District/Borough boundary | | | | |
| | Watercourse | | | | |
| | Water body | | | | |
| | Woodland | | | | |
| | Construction traffic routes | | | | |

Map Number: TR-03-317-L1

Map Name: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES

Community Area MA05: Risley to Bamfurlong

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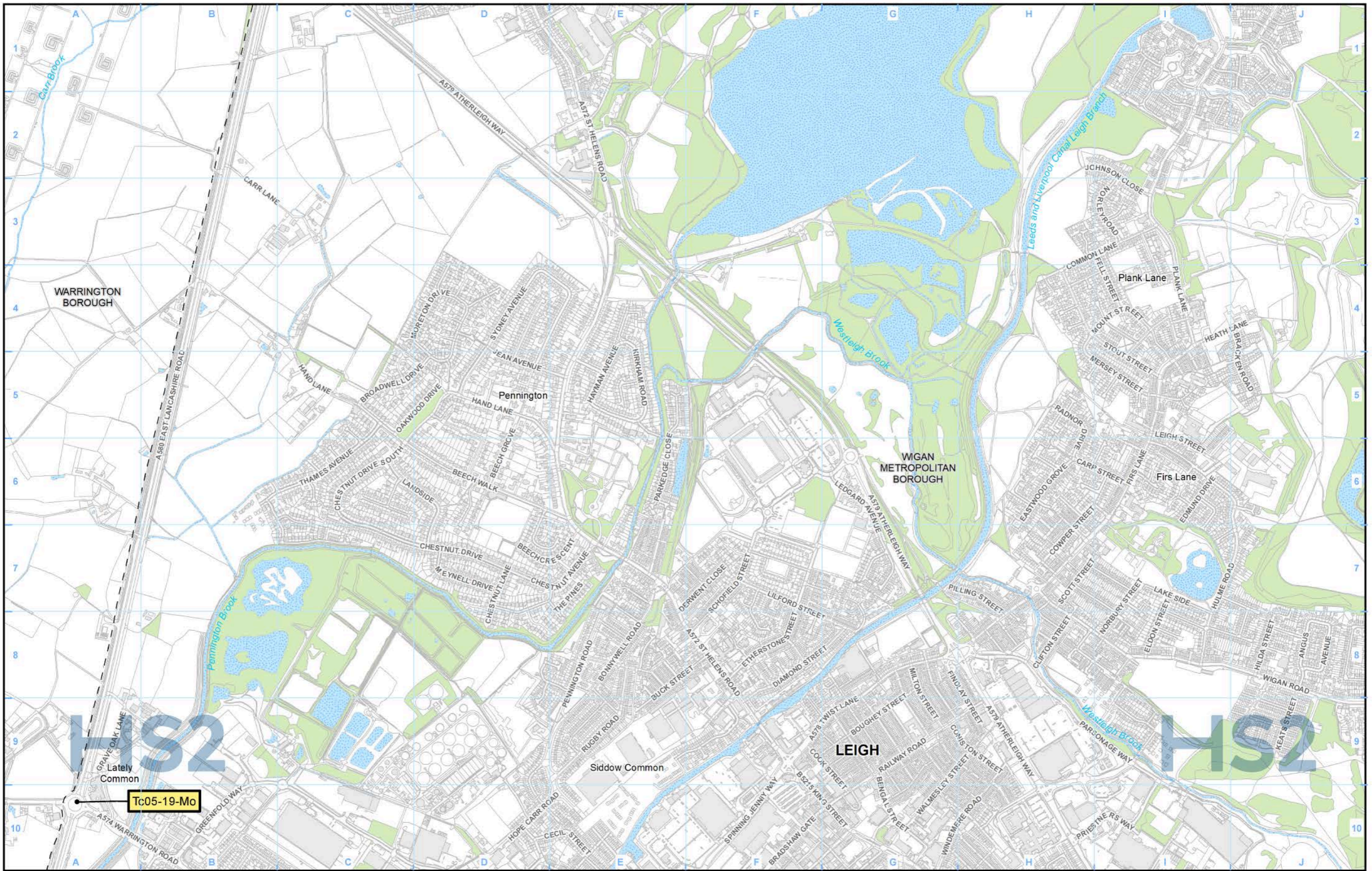
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Date: 03/05/23

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Metres



| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | |
|--------|---|---|-----------------------|---|-----------------------|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent |
| | Route on surface | | Adverse, temporary | | Adverse, temporary |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent |
| | Community area boundary | | | | |
| | County boundary | | | | |
| | District/Borough boundary | | | | |
| | Watercourse | | | | |
| | Water body | | | | |
| | Woodland | | | | |
| | Construction traffic routes | | | | |

For full legend please refer to TR-03 legend page.

| | |
|----------------|--|
| Map Number | TR-03-317-R1 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area | MA05: Risley to Bamfurlong |

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| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | |
|--------|---|---|-----------------------|---|-----------------------|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent |
| | Route on surface | | Adverse, temporary | | Adverse, temporary |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent |
| | Community area boundary | | | | |
| | County boundary | | | | |
| | District/Borough boundary | | | | |
| | Watercourse | | | | |
| | Water body | | | | |
| | Woodland | | | | |
| | Construction traffic routes | | | | |

Map Number: TR-03-317-R2

Map Name: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES

Community Area MA05: Risley to Bamfurlong

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Date: 03/05/23

For full legend please refer to TR-03 legend page.



| Legend | | Construction significant effects arising as a result of the current SES/AP: | | For full legend please refer to TR-03 legend page. |
|--------|---|---|-----------------------------|--|
| | Route in tunnel | | Adverse, permanent | |
| | Route on surface | | Adverse, temporary | |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | |
| | Land potentially required during construction | | Beneficial, permanent | |
| | Community area boundary | | Beneficial, permanent | |
| | County boundary | | | |
| | District/Borough boundary | | Watercourse | |
| | | | Water body | |
| | | | Woodland | |
| | | | Construction traffic routes | |

Map Number: TR-03-317-R3

Map Name: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES

Community Area MA05: Risley to Bamfurlong

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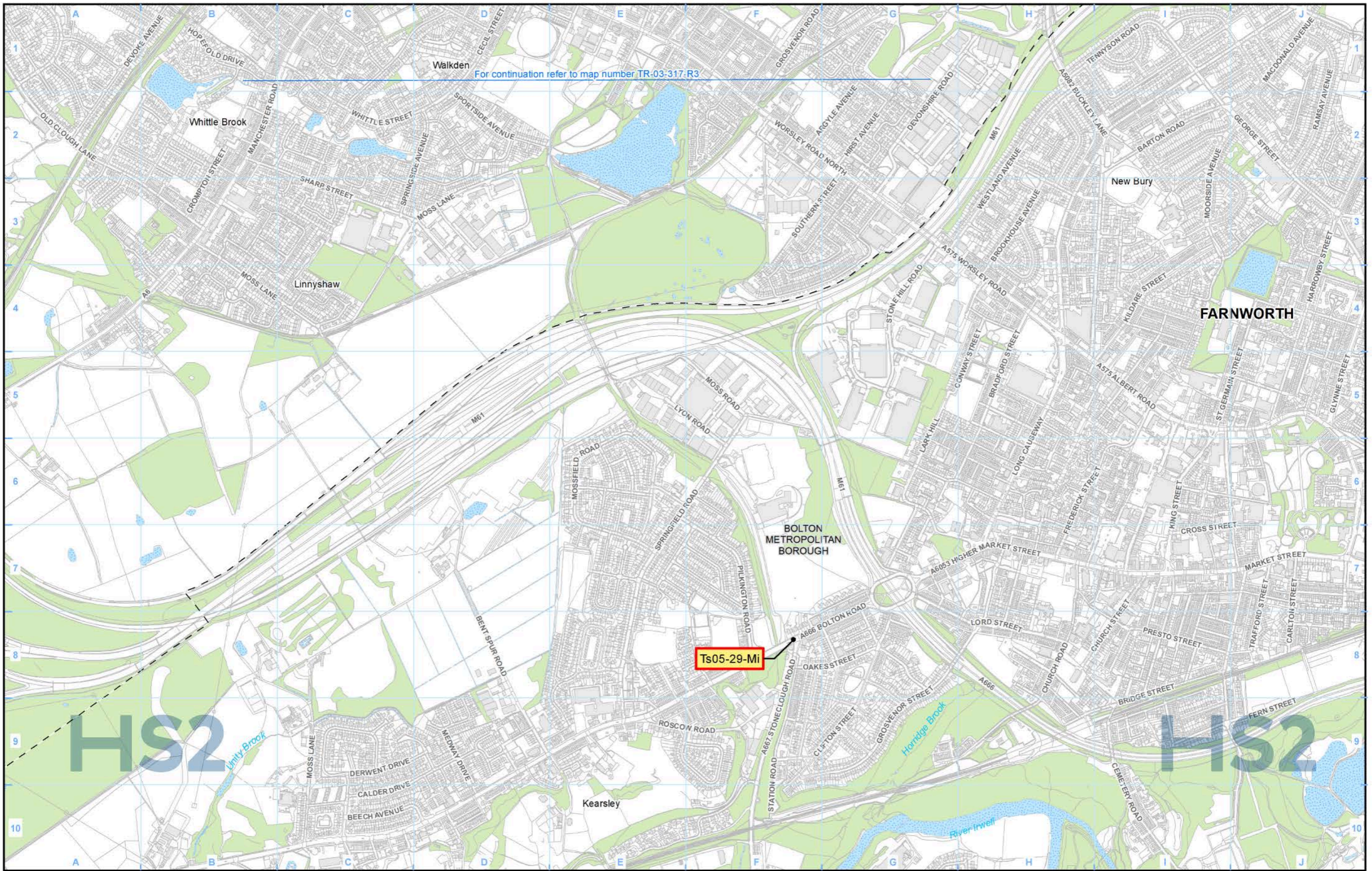
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Metres



| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | |
|--------|---|---|-----------------------|---|-----------------------|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent |
| | Route on surface | | Adverse, temporary | | Adverse, temporary |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent |
| | Community area boundary | | | | |
| | County boundary | | | | |
| | District/Borough boundary | | | | |
| | Watercourse | | | | |
| | Water body | | | | |
| | Woodland | | | | |
| | Construction traffic routes | | | | |

For full legend please refer to TR-03 legend page.

Map Number: TR-03-317-R4

Map Name: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES

Community Area MA05: Risley to Bamfurlong

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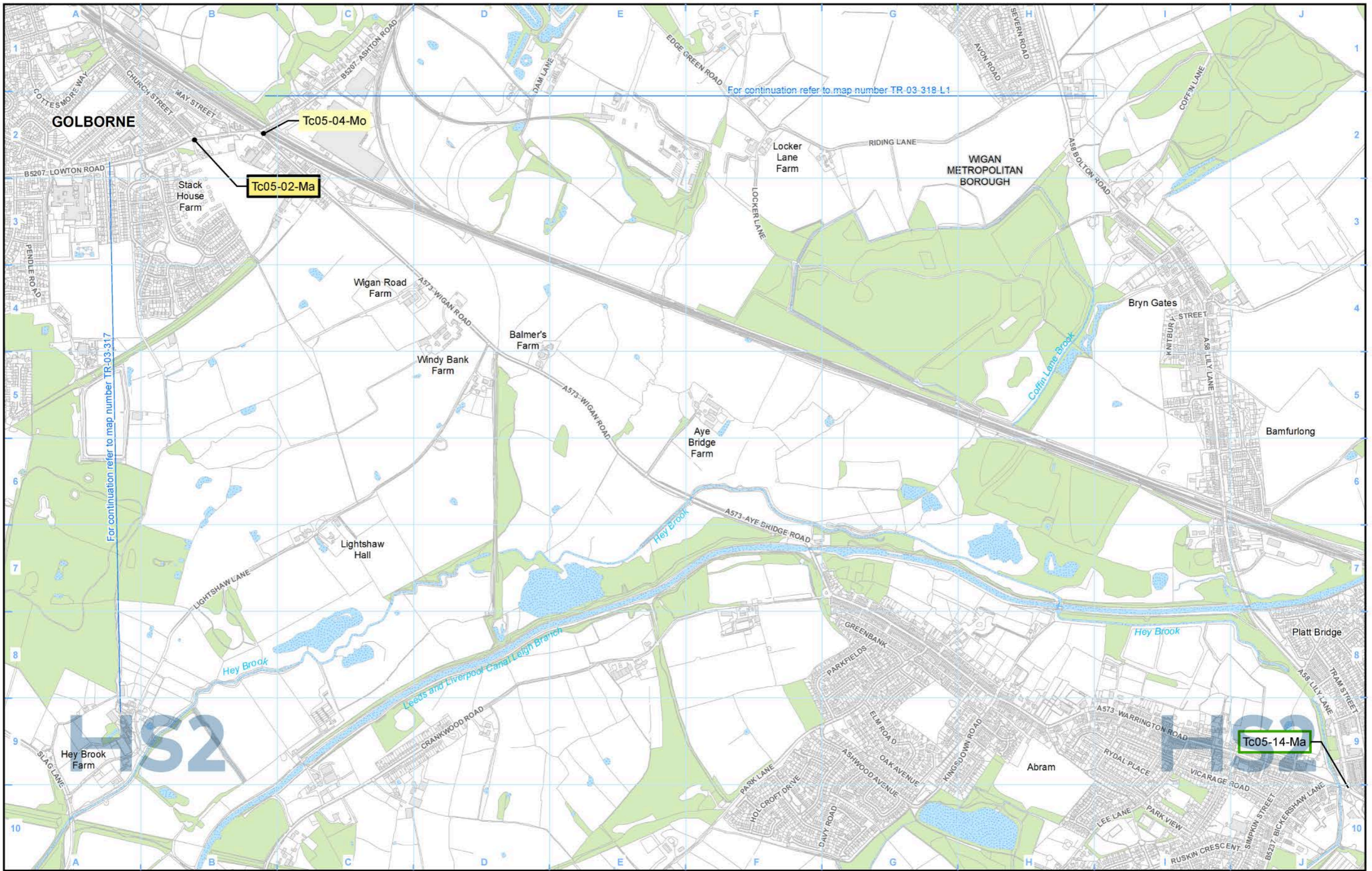
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Date: 03/05/23

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Metres



For continuation refer to map number TR-03-318 L1

For continuation refer to map number TR-03-317

| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | | For full legend please refer to TR-03 legend page. |
|--------|---|---|-----------------------|---|-----------------------|--|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent | |
| | Route on surface | | Adverse, temporary | | Adverse, temporary | |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary | |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent | |
| | Community area boundary | | | | | |
| | County boundary | | | | | |
| | District/Borough boundary | | | | | |
| | Watercourse | | | | | |
| | Water body | | | | | |
| | Woodland | | | | | |
| | Construction traffic routes | | | | | |

| | |
|---|--|
| Map Number | TR-03-318 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area MA05: Risley to Bamfurlong | |

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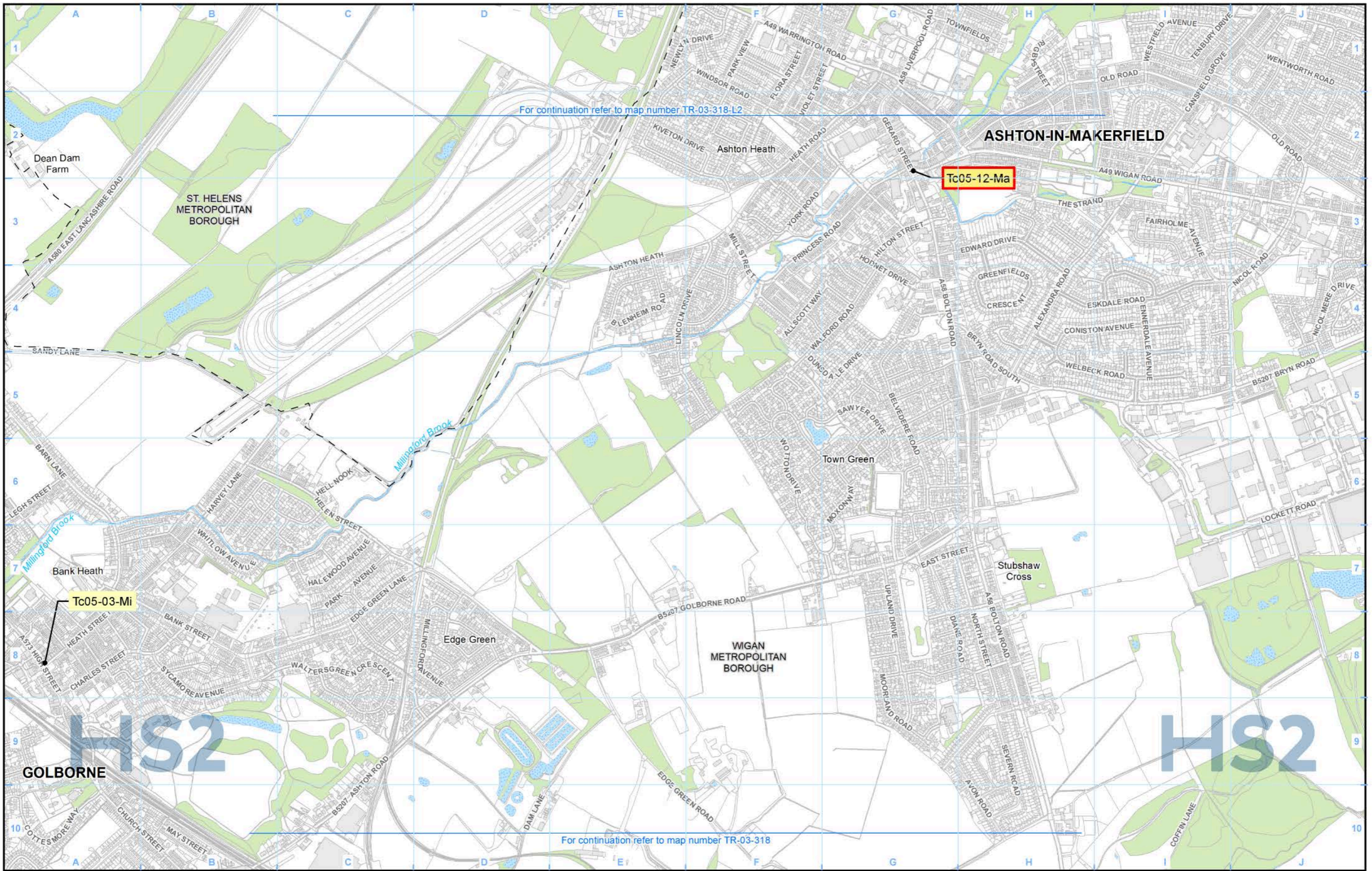
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For continuation refer to map number TR-03-318-L2

For continuation refer to map number TR-03-318

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
- Construction traffic routes

Construction significant effects arising as a result of the current SES/AP:

- Adverse, permanent
- Adverse, temporary
- Beneficial, temporary
- Beneficial, permanent

Construction significant effects unchanged as a result of the current SES/AP:

- Adverse, permanent
- Adverse, temporary
- Beneficial, temporary
- Beneficial, permanent

For full legend please refer to TR-03 legend page.

Map Number: TR-03-318-L1

Map Name: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES

Community Area MA05: Risley to Bamfurlong

HS2

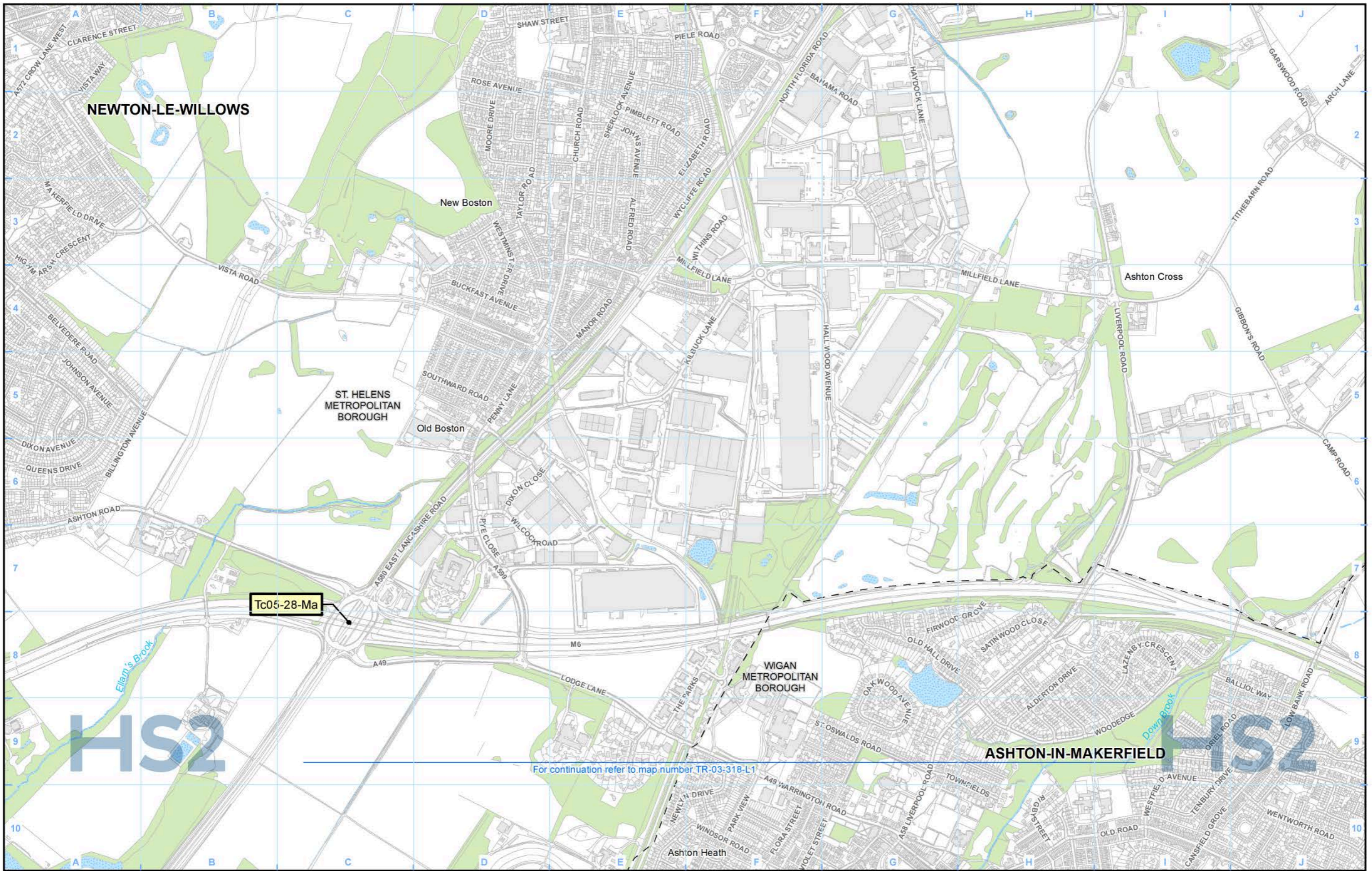
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Date: 03/05/23



| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | | For full legend please refer to TR-03 legend page. |
|--------|---|---|-----------------------|---|-----------------------|--|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent | |
| | Route on surface | | Adverse, temporary | | Adverse, temporary | |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary | |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent | |
| | Community area boundary | | | | | |
| | County boundary | | | | | |
| | District/Borough boundary | | | | | |
| | Watercourse | | | | | |
| | Water body | | | | | |
| | Woodland | | | | | |
| | Construction traffic routes | | | | | |

| | |
|---|--|
| Map Number | TR-03-318-L2 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area MA05: Risley to Bamfurlong | |

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Doc Number: 2PT27-MWJ-EV-MAP-M000-002907-P01

Scale at A3: 1:10,000

Metres

Date: 03/05/23

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High Speed Rail (Crewe – Manchester)

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

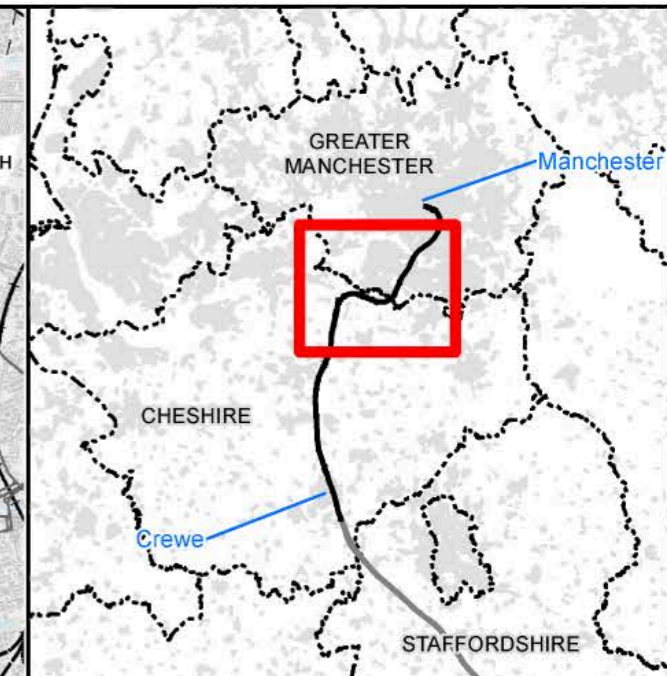
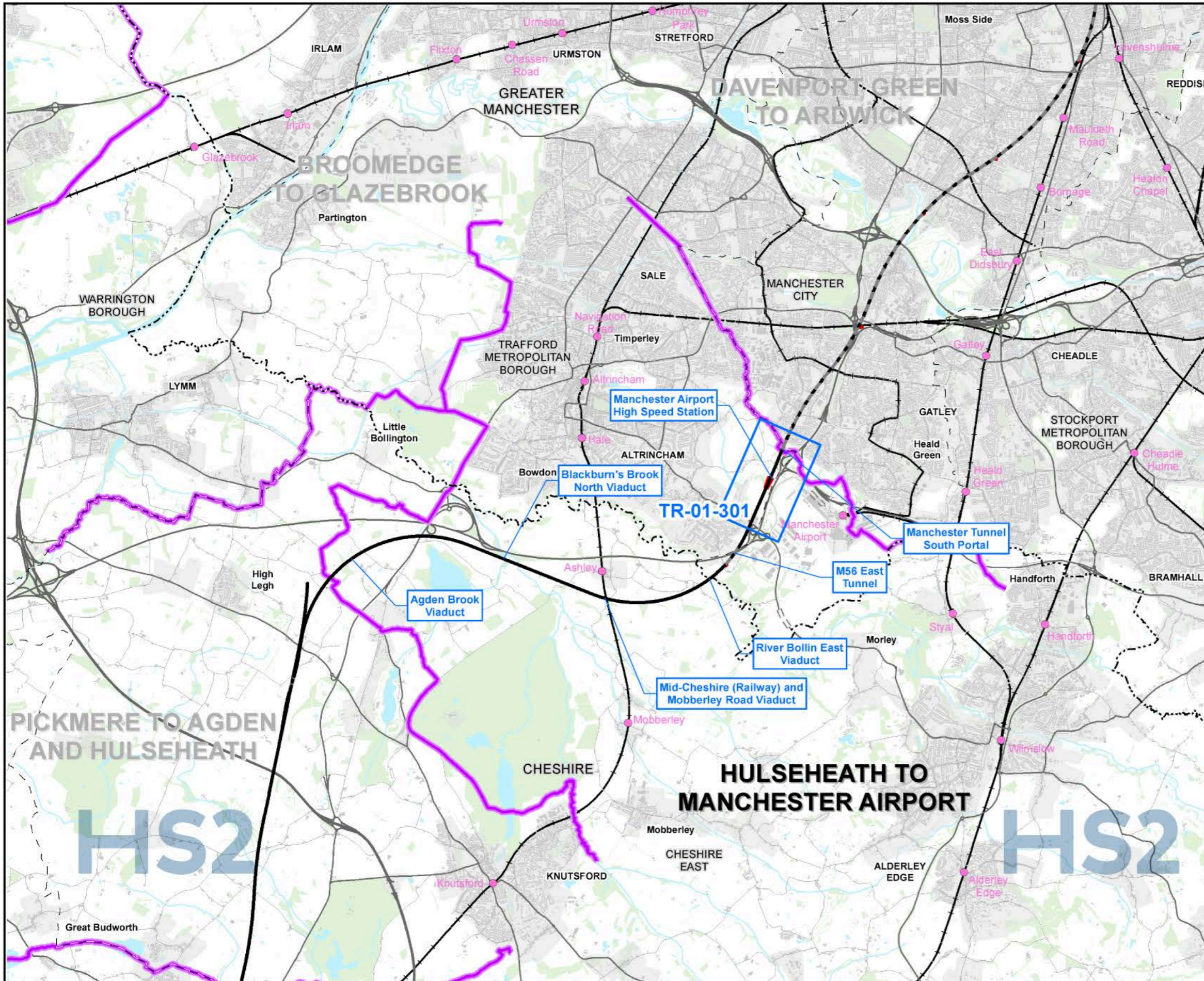
MA06: Hulseheath to Manchester Airport

TR-01 - Station Impacts (Operational)

TR-03 - Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes

TR-04 - Significant Residual Transport Effects Arising from Operation

TR-08 - Construction Routes to the Strategic Network



Map Series Information:

These maps identify the station impacts and modal station access and facilities at HS2 station buildings once the new/enhanced stations are operational. This includes station building access, pedestrian links, cycle links and parking, bus links (including bus stops), links to conventional rail and Local Underground, taxi access and ranks, and car parking.

- 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: TR-01-INDEX-MA06

Map Name: Index Map of: Station Impacts (Operational) SES2 and AP2 ES

Community Area MA06: Hulseheath to Manchester Airport

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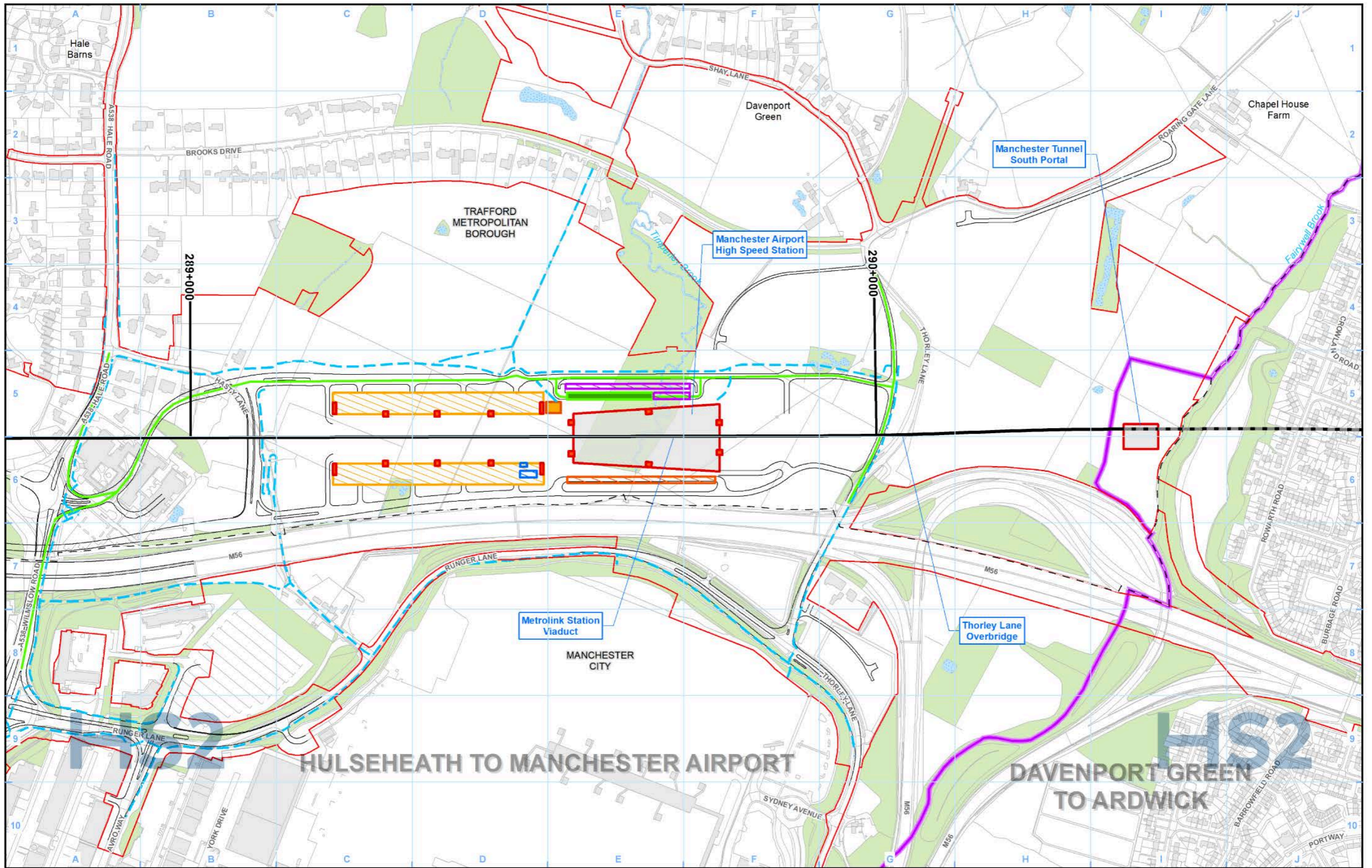
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Doc Number: 2PT27-MWJ-EV-MAP-M000-002413-P01

Date: 24/03/23

Scale at A3: 1:75,000

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



| Legend | | | |
|--------|---|--|----------------------------|
| | Route in tunnel | | Watercourse |
| | Route on surface | | Water body |
| | Depot, station, headhouse or portal building | | Woodland |
| | Land potentially required during construction | | Station access points |
| | Community area boundary | | Potential bus links |
| | County boundary | | Private hire |
| | District/Borough boundary | | Cycle parking |
| | | | Bus and or coach stops |
| | | | Link to classic rail |
| | | | Pedestrian and cycle links |
| | | | Taxi ranks |
| | | | Kiss and ride |
| | | | Car parks |

| | |
|------------|--|
| Map Number | TR-01-301 |
| Map Name | Station Impacts (Operational) SES2 and AP2 ES |
| | Community Area MA06: Hulseheath to Manchester Airport |

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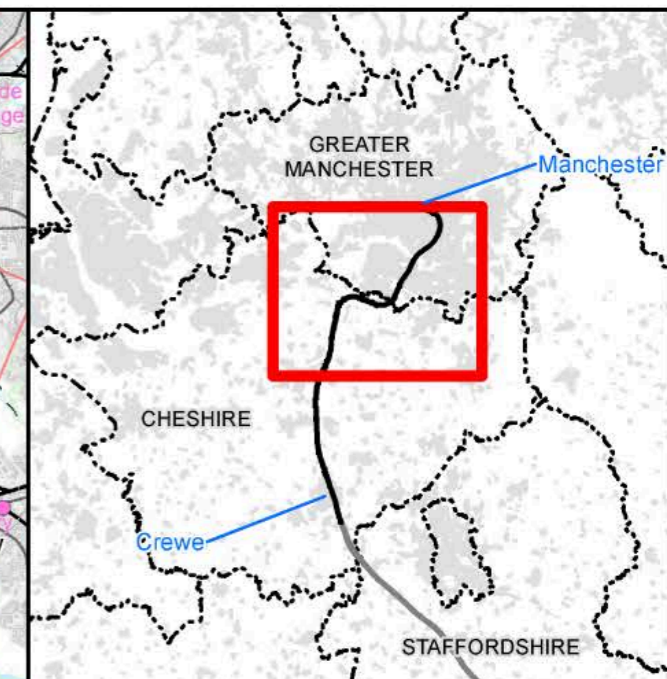
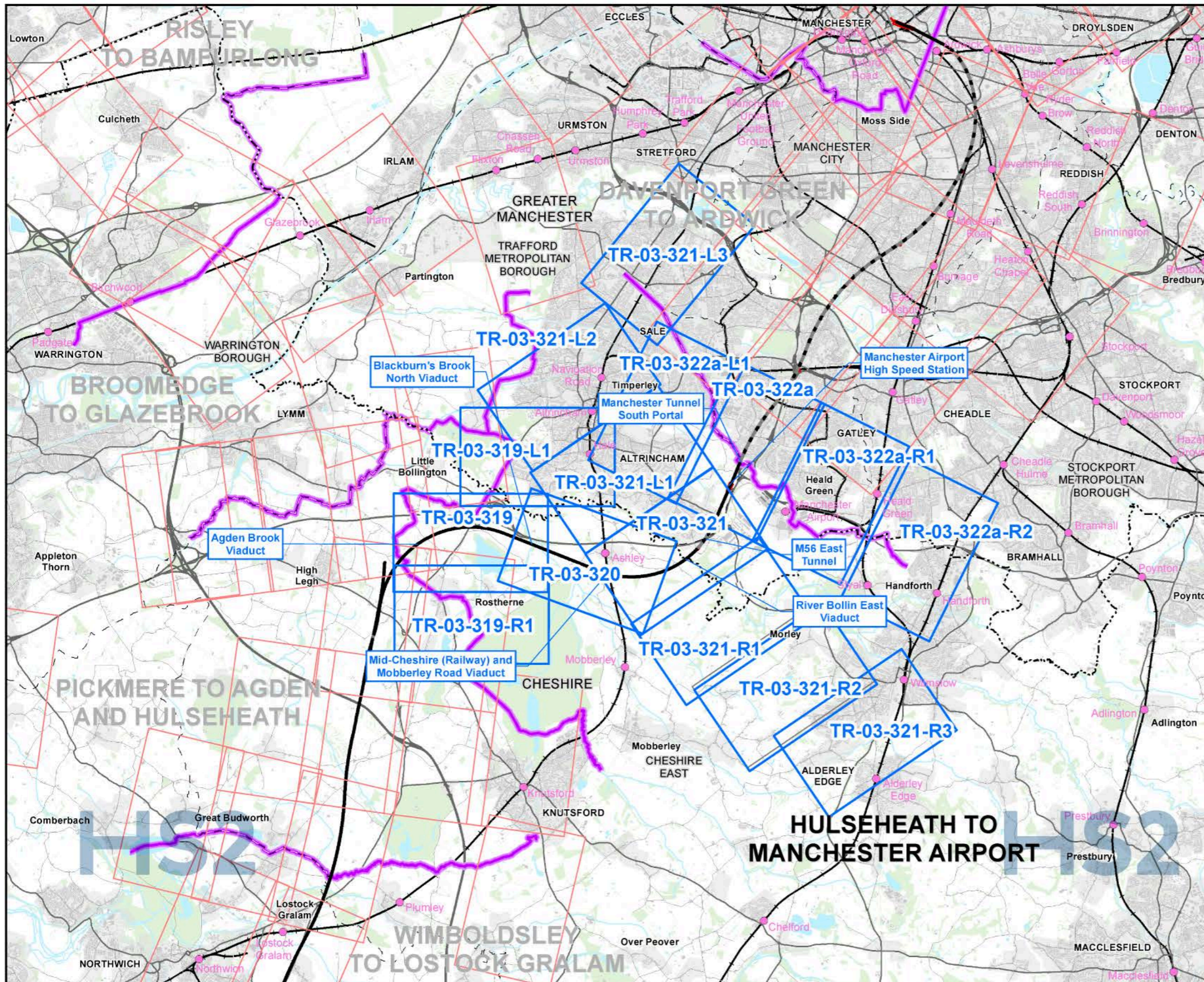
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Doc Number: 2PT27-MWJ-EV-MAP-M000-002141-P01

Date: 24/03/23

Scale at A3: 1:5,000

Metres



Map Series Information:

This map series identifies the significant residual transport effects arising from construction of the Proposed Scheme and the construction traffic routes. Traffic routes are the identified routes which Heavy Goods Vehicles (HGVs) will use between compounds and the main A road/ strategic road network within each CA. The effects include those that are temporary (adverse/beneficial) from transport related impacts as a result of the Proposed Scheme on the transport network and the level of significance of those effects (minor, moderate or major).

- 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 | TR-03-INDEX-MA06 |
| Map Name | Index Map of: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA06: Hulseheath to Manchester Airport |

HS2

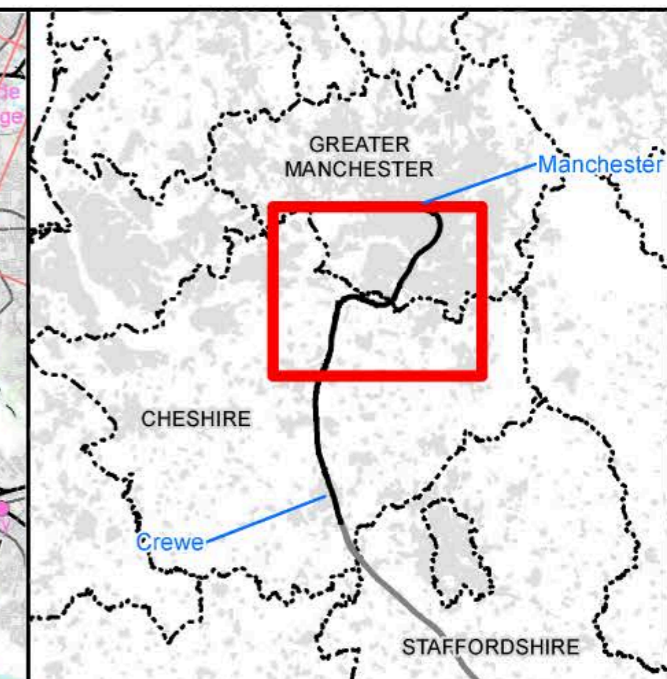
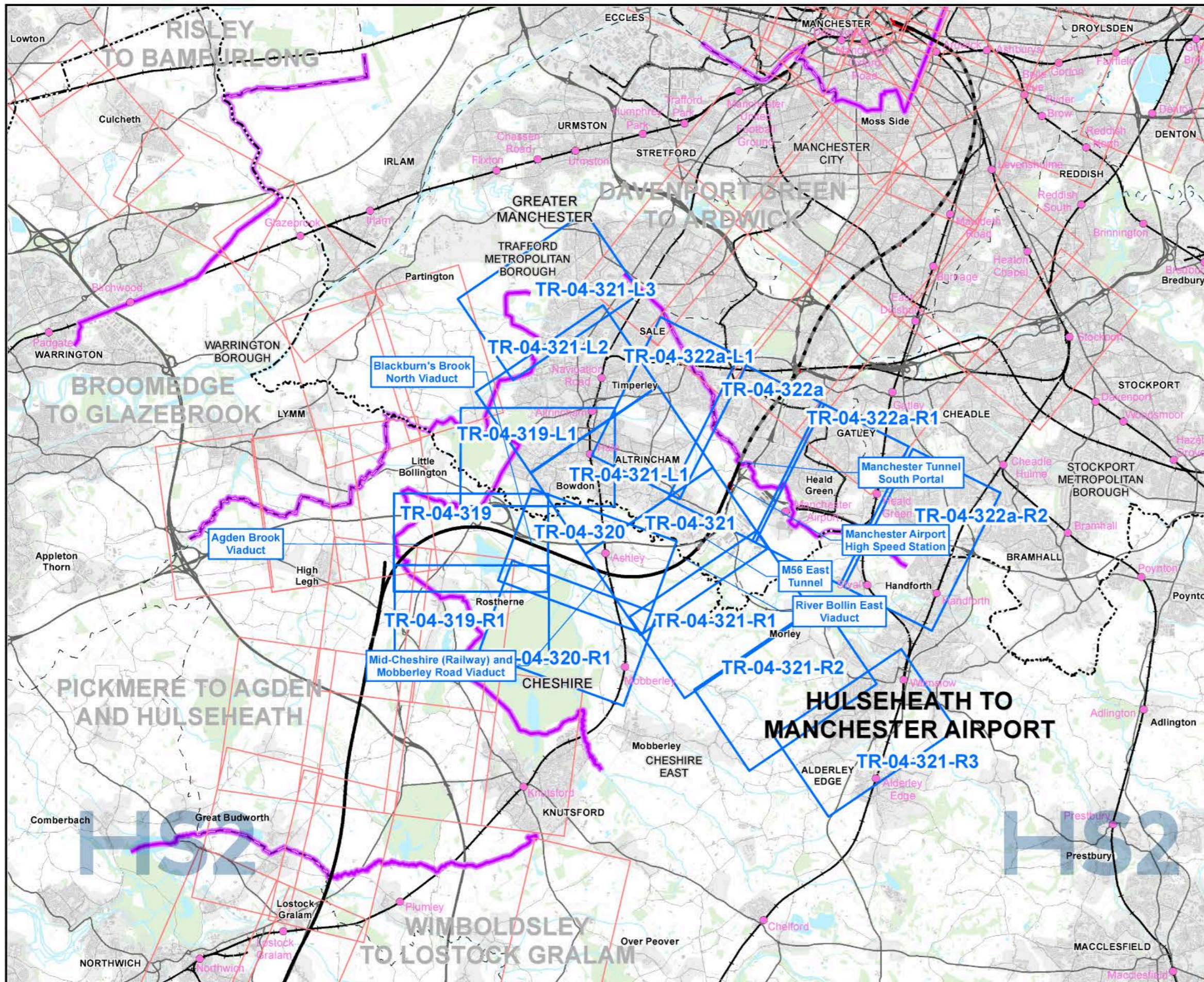
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Scale at A3: 1:100,000

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

Doc Number: 2PT27-MWJ-EV-MAP-M000-002183-P01 Date: 03/05/23

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



Map Series Information:

This map series identifies the significant residual transport effects during the operation of HS2 for each CA. The effects include those that are permanent (adverse/beneficial) from transport-related impacts as a result of the AP2 revised scheme (and mitigation) on the existing transport network and the level of significance of those effects (minor, moderate or major) for the two forecast years 2039 (Opening Year) and 2051 (Design Year).

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 | TR-04-INDEX-MA06 |
| Map Name | Index Map of: Significant Residual Transport Effects Arising from Operation SES2 and AP2 ES Community Area MA06: Hulseheath to Manchester Airport |

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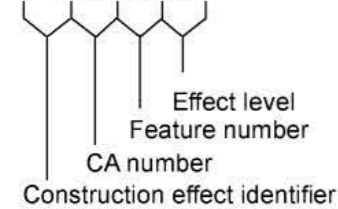
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Doc Number: 2PT27-MWJ-EV-MAP-M000-002229-P01 Date: 12/04/23

Significant effect label:

Significant effect reference:

PT01-01-Mi



Construction effect identifier:

- PT - Public transport delay
- D - Disruption at stations / interchanges
- Tc - Traffic congestion and delays to vehicle occupants
- Td - Traffic diversion
- Ts - Traffic severance - non-motorised users
- P - Parking and loading
- V - Vulnerable road user delays, amenity and ambience
- A - Accidents and safety
- S - Severance
- W - Waterways

Effect level:

- Mi - Minor
- Mo - Moderate
- Ma - Major

Where a significant effect has been changed due to a correction to mapping produced in the main ES or previous SES/AP, the significant effect reference is suffixed with a double asterisk (**). The map now shows the correct effect.

The colour of the border around each significant effect arising from the current SES/AP and the significant effect descriptor denotes whether the effect is added or removed or there is a change to the type (i.e. adverse/beneficial) or level of effect (i.e. major/moderate/minor) in a given forecast year at the current SES/AP.

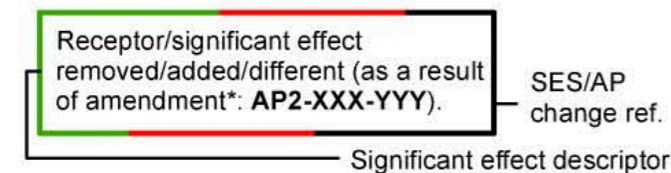
Where the colour of the border is black but the type and level of the significant effect are unchanged from those shown in the MA06-08 and ORW Community Area Map Books in the main ES or the MA01-05 Community Area Map Books in the previous SES/AP, this denotes that the current SES/AP will give rise to a different (increased/decreased) significant effect but will not change the level of significance of the effect.

 Removed effect  Added effect  Different effect

Where there is no colour border around a label with a white background, this denotes a correction to a significant effect that was previously mapped but did not represent a significant effect within the assessment.

Significant effect descriptor:

Where the change in effect is directly attributable to a specific SES/AP change, this is denoted by the following significant effect descriptor:



Where the change in effect is caused by a combination of SES/AP changes, no significant effect descriptor is provided.

| | |
|------------|--|
| Map Number | TR-03 - Legend |
| Map Name | TR-03 - Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes - SES2 and AP2 ES |

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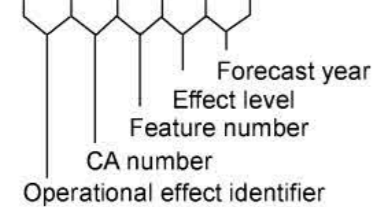
Doc Number: 2PT27-MWJ-EV-MAP-M000-004135-P01

Date: 03/05/23

Significant effect label:

Significant effect reference:

PT01-01-Mi-39



Operational effect identifier:

- PT - Public transport delay
- D - Disruption at stations / interchanges
- Tc - Traffic congestion and delays to vehicle occupants
- Td - Traffic diversion
- Ts - Traffic severance - non-motorised users
- P - Parking and loading
- V - Vulnerable road user delays, amenity and ambience
- A - Accidents and safety
- S - Severance
- W - Waterways

Effect level:

- Mi - Minor
- Mo - Moderate
- Ma - Major

Forecast year:

- 39 - Significant effect in 2039
- 51 - Significant effect in 2051
- Missing - Significant effect in both forecast years

Significant effects identified in the main ES or previous SES/AP for 2038 that are unchanged in the current SES/AP assessments are now relabelled as 2039 to reflect the change in forecast year.

Significant effects identified in the main ES for 2046 that are unchanged in the current SES/AP assessments are now relabelled as 2051 to reflect the change in forecast year.

Where a significant effect is added or changed in one or both forecast years resulting in effects of the same type (i.e. adverse/beneficial) and level (i.e. minor/moderate/major) in the same location in both forecast years in the current SES/AP, the effects are labelled separately for each forecast year but have the same feature number.

Where a significant effect has been changed due to a correction to mapping produced in the main ES or previous SES/AP, the significant effect reference is suffixed with a double asterisk (**). The map now shows the correct effect.

The colour of the border around each significant effect arising from the current SES/AP and the significant effect descriptor denotes whether the effect is added or removed or there is a change to the type (i.e. adverse/beneficial) or level of effect (i.e. major/moderate/minor) in a given forecast year at the current SES/AP.

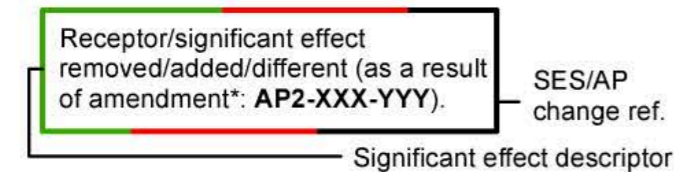
Where the colour of the border is black but the type and level of the significant effect are unchanged from those shown in the MA06-08 and ORW Community Area Map Books in the main ES or the MA01-05 Community Area Map Books in the previous SES/AP, this denotes that the current SES/AP will give rise to a different (increased/decreased) significant effect but will not change the level of significance of the effect.

Removed effect Added effect Different effect

Where there is no colour border around a label with a white background, this denotes a feature that was previously mapped but did not represent a significant effect within the assessment.

Significant effect descriptor:

Where the change in effect is directly attributable to a specific SES/AP change, this is denoted by the following significant effect descriptor:



Where the change in effect is caused by a combination of SES/AP changes, no significant effect descriptor is provided.

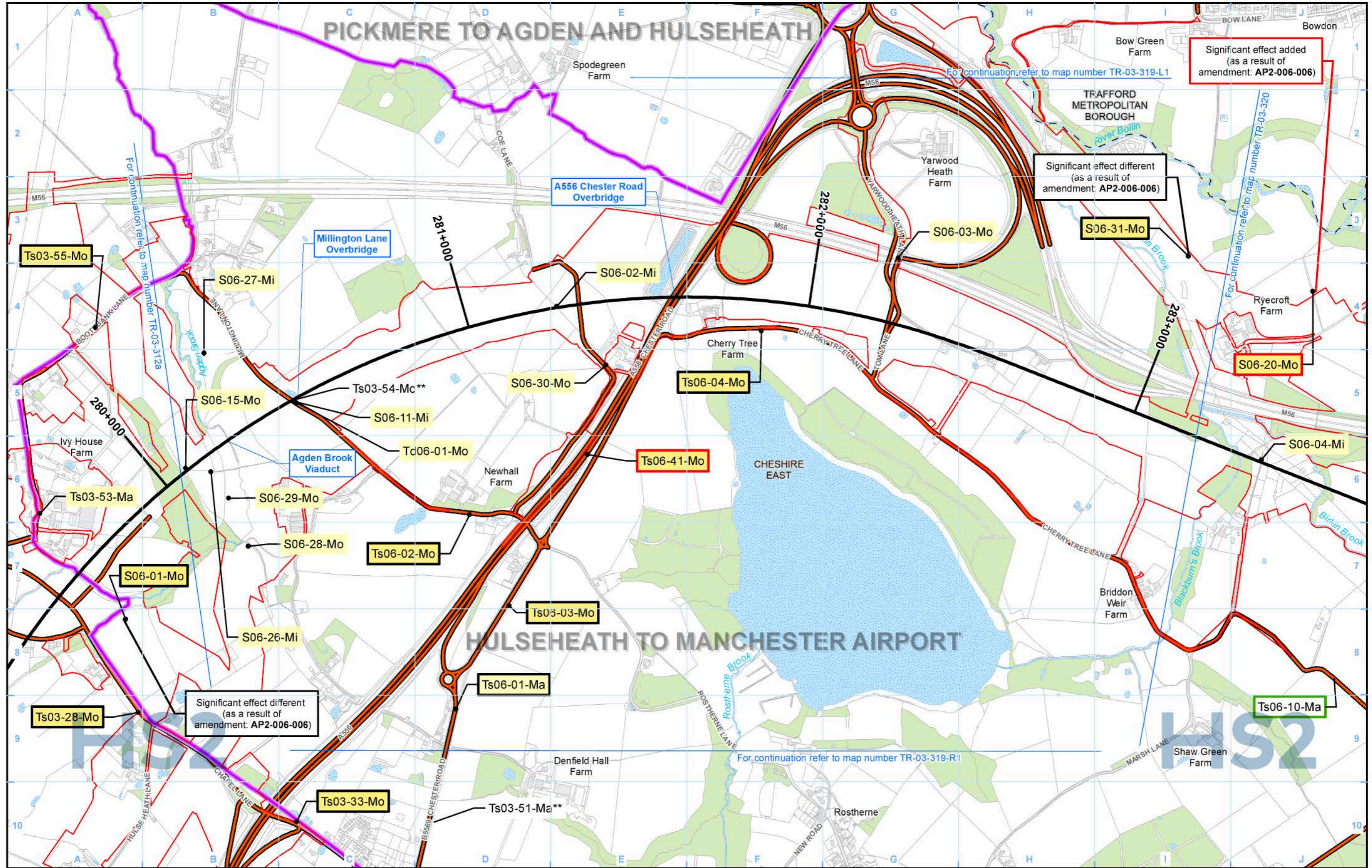


| | |
|------------|---|
| Map Number | TR-04 - Legend |
| Map Name | Significant Residual Transport Effects Arising from Operation SES2 and AP2 ES |

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| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | |
|--------|---|---|-----------------------|---|-----------------------|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent |
| | Route on surface | | Adverse, temporary | | Adverse, temporary |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent |
| | Community area boundary | | | | |
| | County boundary | | | | |
| | District/Borough boundary | | | | |
| | Watercourse | | | | |
| | Water body | | | | |
| | Woodland | | | | |
| | Construction traffic routes | | | | |

For full legend please refer to TR-03 legend page.

| | |
|--|--|
| Map Number | TR-03-319 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area MA06: Hulseheath to Manchester Airport | |

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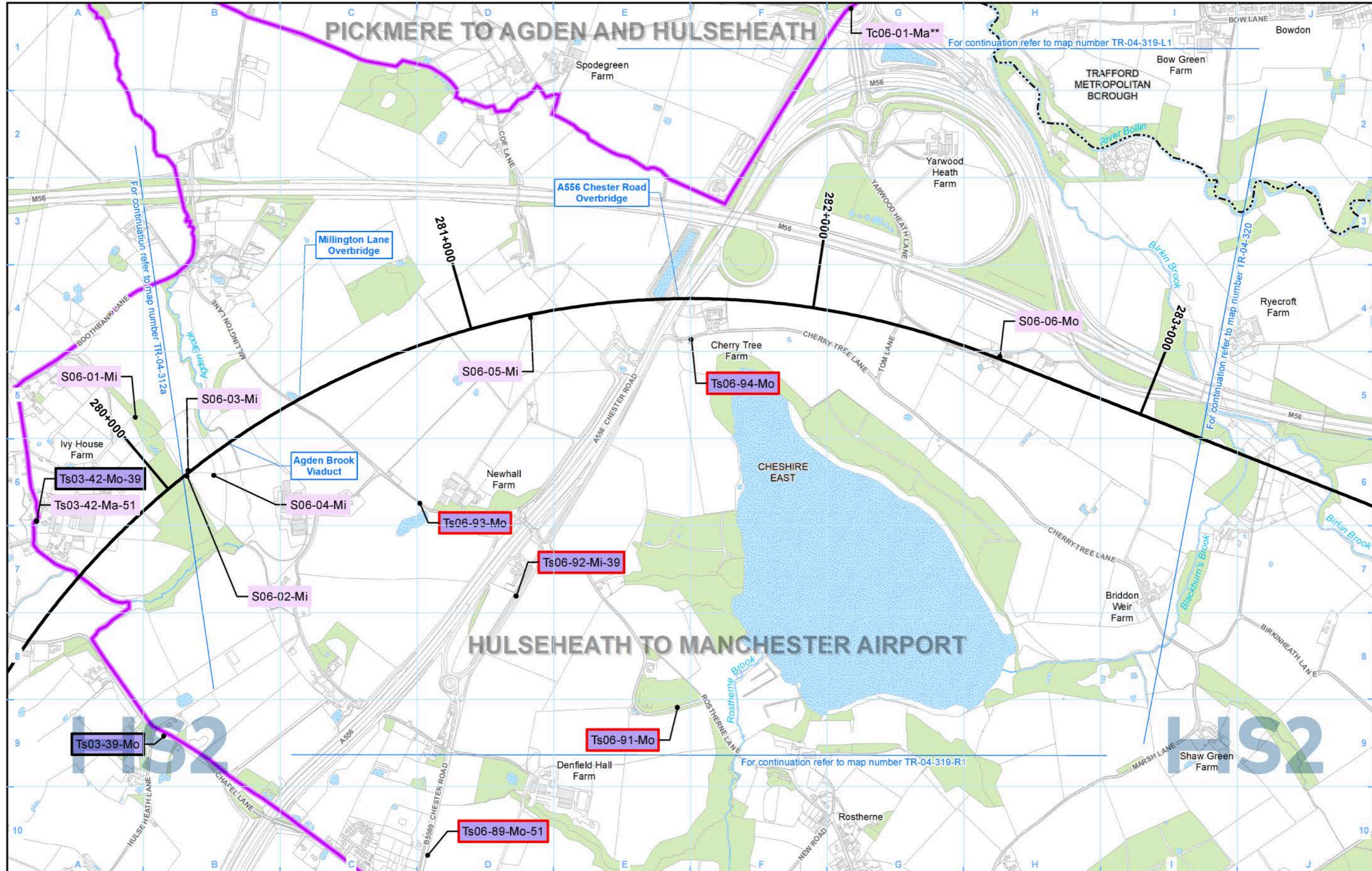
Doc Number: 2PT27-MWJ-EV-MAP-M000-002165-P01

Scale at A3: 1:10,000

Metres

Date: 03/05/23

PICKMERE TO AGDEN AND HULSEHEATH



- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary
 - Watercourse
 - Water body
 - Woodland

- Operational significant effects arising as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-319

Map Name: Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES

Community Area MA06: Hulseheath to Manchester Airport

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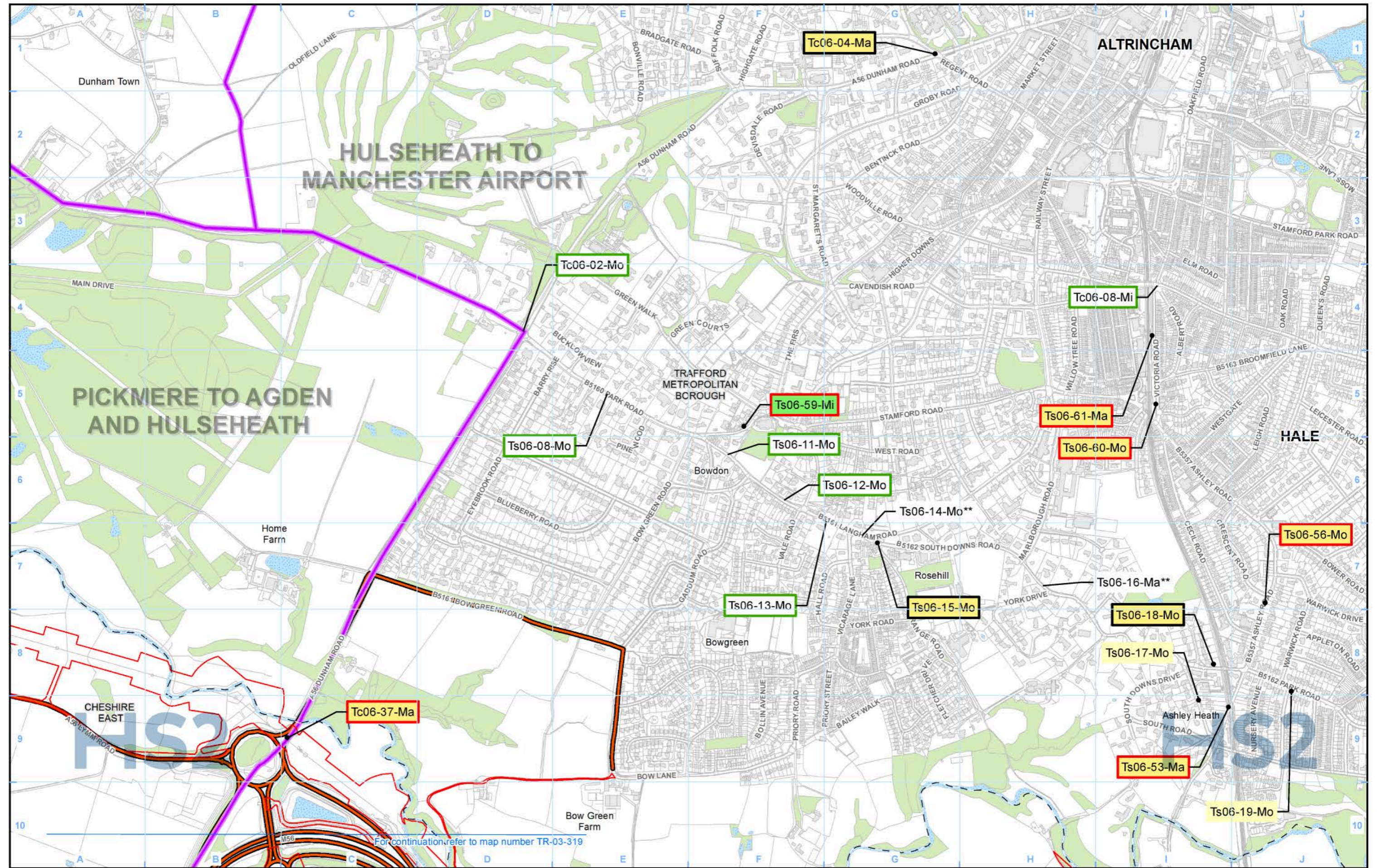
Date: 13/04/23

Scale at A3: 1:10,000

For continuation refer to map number TR-04-319-L1

For continuation refer to map number TR-04-320

For continuation refer to map number TR-04-319-R1



Legend

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For full legend please refer to TR-03 legend page.

For continuation refer to map number TR-03-319

| | |
|------------|--|
| Map Number | TR-03-319-L1 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA06: Hulseheath to Manchester Airport |

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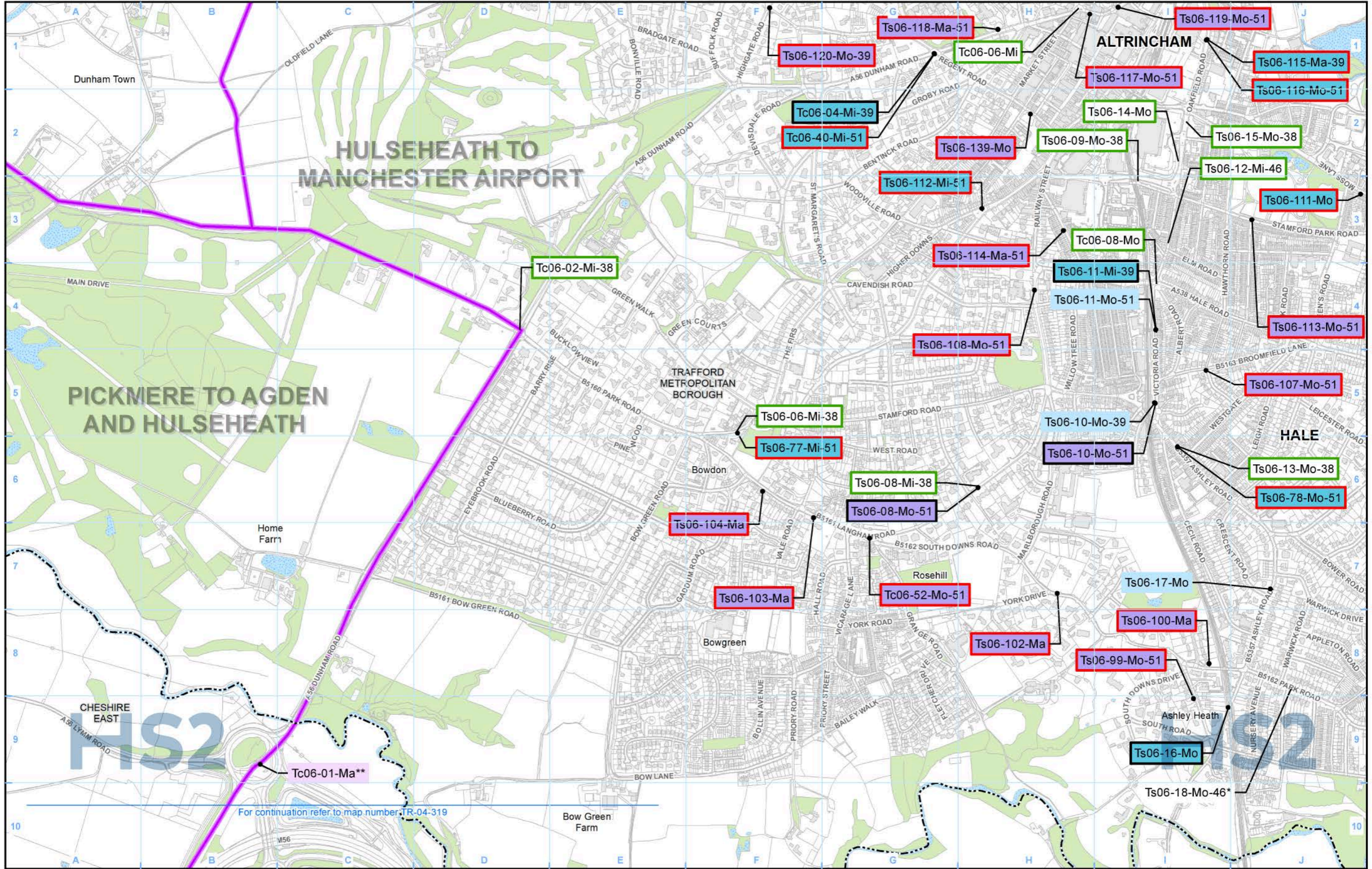
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Doc Number: 2PT27-MWJ-EV-MAP-M000-004069-P01

Date: 03/05/23

Scale at A3: 1:10,000

Metres



Legend

| | | | |
|--|---------------------------|--|-------------|
| | Route in tunnel | | Watercourse |
| | Route on surface | | Water body |
| | Community area boundary | | Woodland |
| | County boundary | | |
| | District/Borough boundary | | |

| | |
|---|---|
| Operational significant effects arising as a result of the current SES/AP: | Operational significant effects unchanged as a result of the current SES/AP: |
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For full legend please refer to TR-04 legend page.

| | |
|------------|---|
| Map Number | TR-04-319-L1 |
| Map Name | Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES |
| | Community Area MA06: Hulseheath to Manchester Airport |

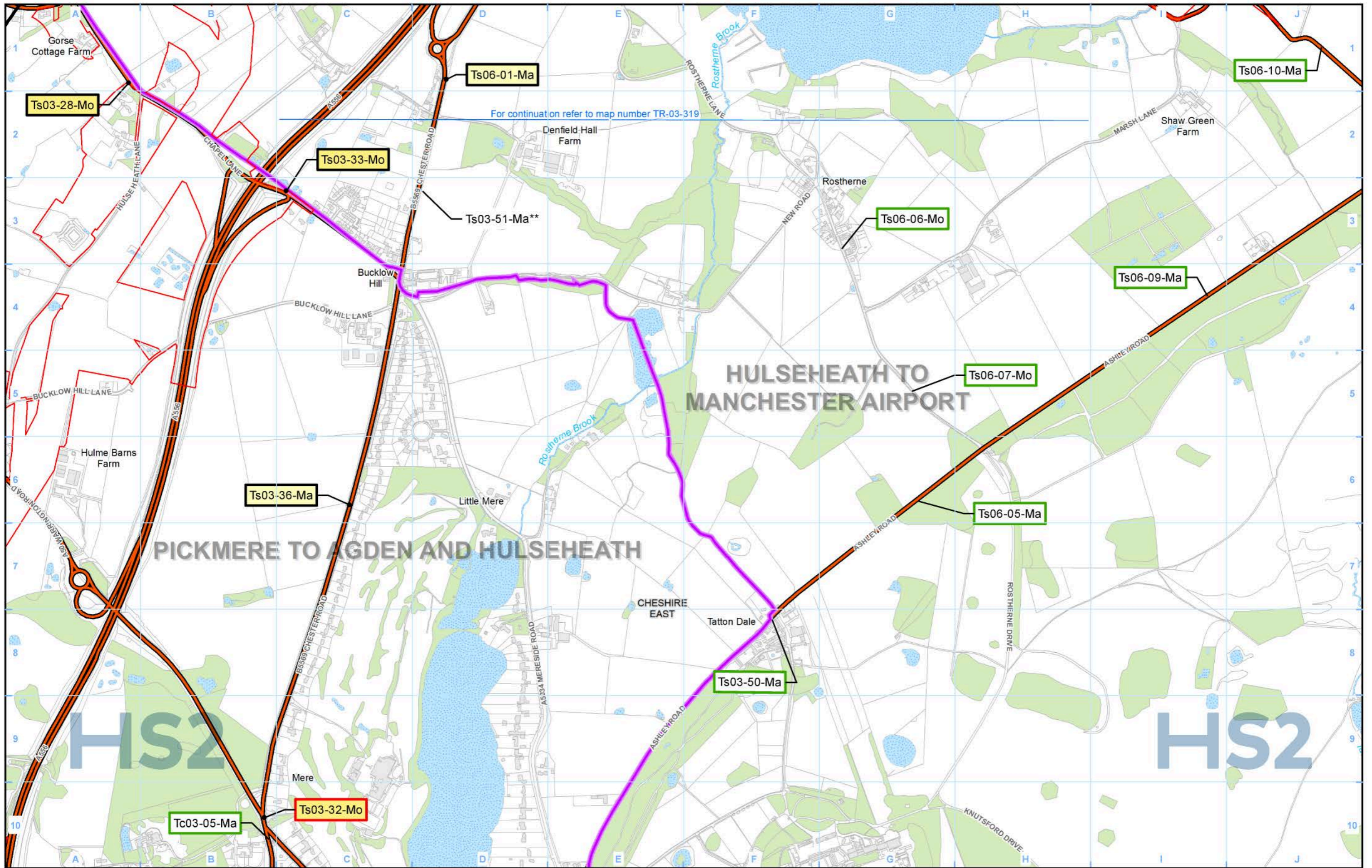
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Date: 13/04/23



| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | |
|--------|---|---|-----------------------|---|-----------------------|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent |
| | Route on surface | | Adverse, temporary | | Adverse, temporary |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent |
| | Community area boundary | | | | |
| | County boundary | | | | |
| | District/Borough boundary | | | | |
| | Watercourse | | | | |
| | Water body | | | | |
| | Woodland | | | | |
| | Construction traffic routes | | | | |

For full legend please refer to TR-03 legend page.

| | |
|------------|--|
| Map Number | TR-03-319-R1 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA06: Hulseheath to Manchester Airport |

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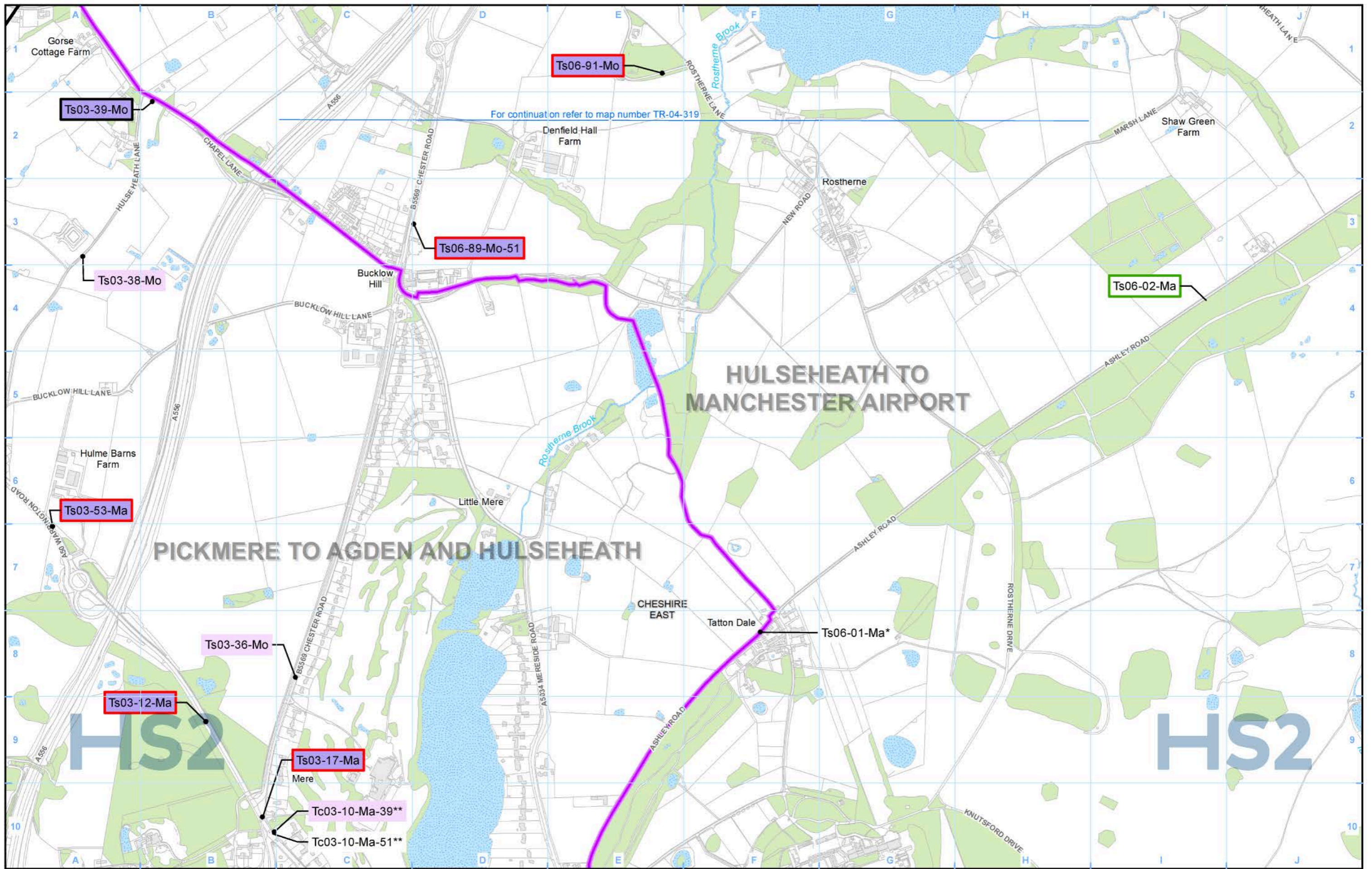
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Scale at A3: 1:10,000

0 100 200 300 400 Metres

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Legend

| | |
|--|--|
| | Route in tunnel |
| | Route on surface |
| | Depot, station, headhouse or portal building |
| | Community area boundary |
| | County boundary |
| | District/Borough boundary |
| | Watercourse |
| | Water body |
| | Woodland |

| | |
|---|---|
| Operational significant effects arising as a result of the current SES/AP: | Operational significant effects unchanged as a result of the current SES/AP: |
| | |
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For full legend please refer to TR-04 legend page.

| | |
|------------|---|
| Map Number | TR-04-319-R1 |
| Map Name | Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES |
| | Community Area MA06: Hulseheath to Manchester Airport |

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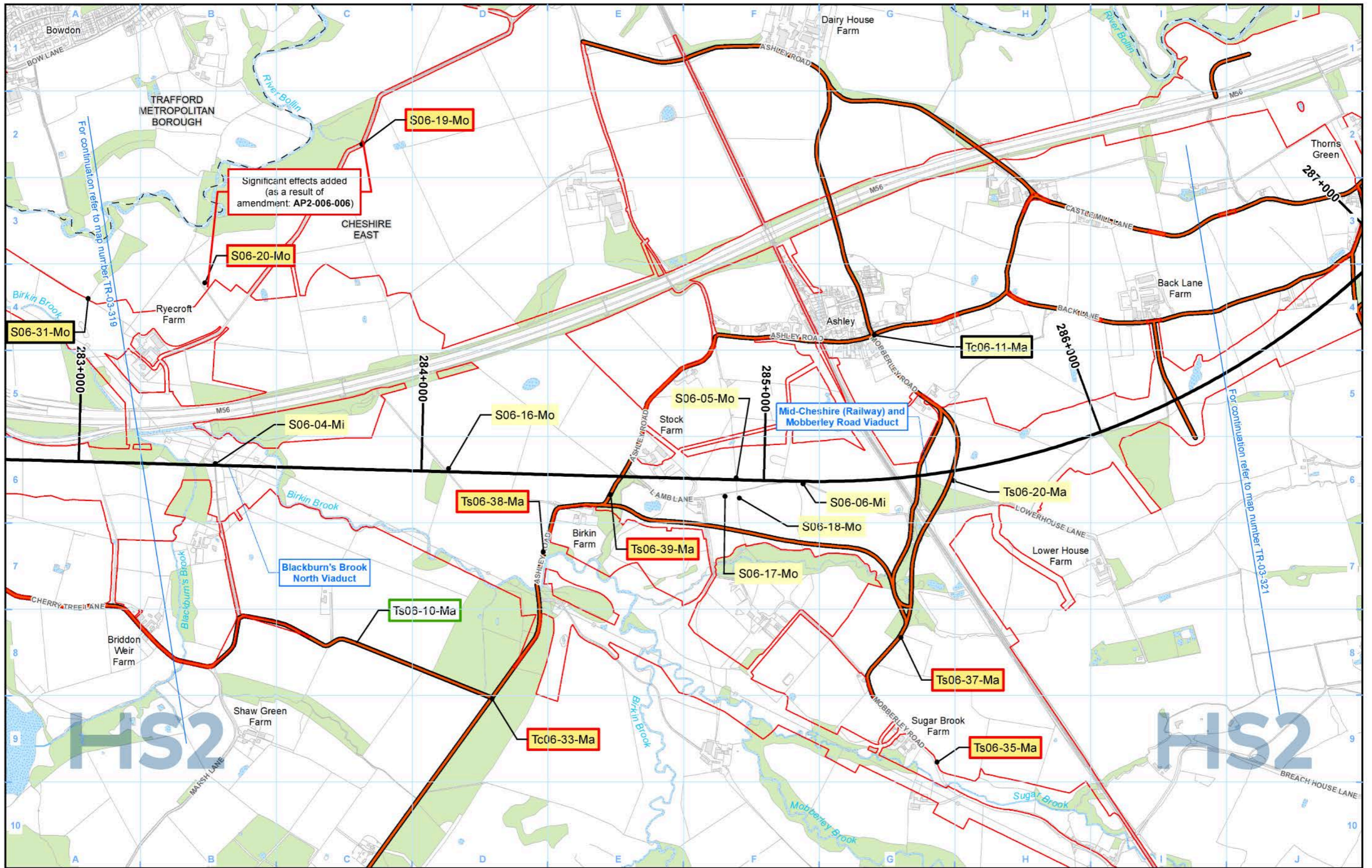
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Date: 13/04/23

Scale at A3: 1:10,000

Metres



Legend

| | | | | |
|---|-----------------------------|---|---|--|
| Route in tunnel | Watercourse | Construction significant effects arising as a result of the current SES/AP: | Construction significant effects unchanged as a result of the current SES/AP: | For full legend please refer to TR-03 legend page. |
| Route on surface | Water body | | | |
| Depot, station, headhouse or portal building | Woodland | Adverse, permanent | Adverse, permanent | |
| Land potentially required during construction | Construction traffic routes | Adverse, temporary | Adverse, temporary | |
| Community area boundary | | Beneficial, temporary | Beneficial, temporary | |
| County boundary | | Beneficial, permanent | Beneficial, permanent | |
| District/Borough boundary | | | | |

Map Number: TR-03-320

Map Name: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES

Community Area MA06: Hulseheath to Manchester Airport

HS2

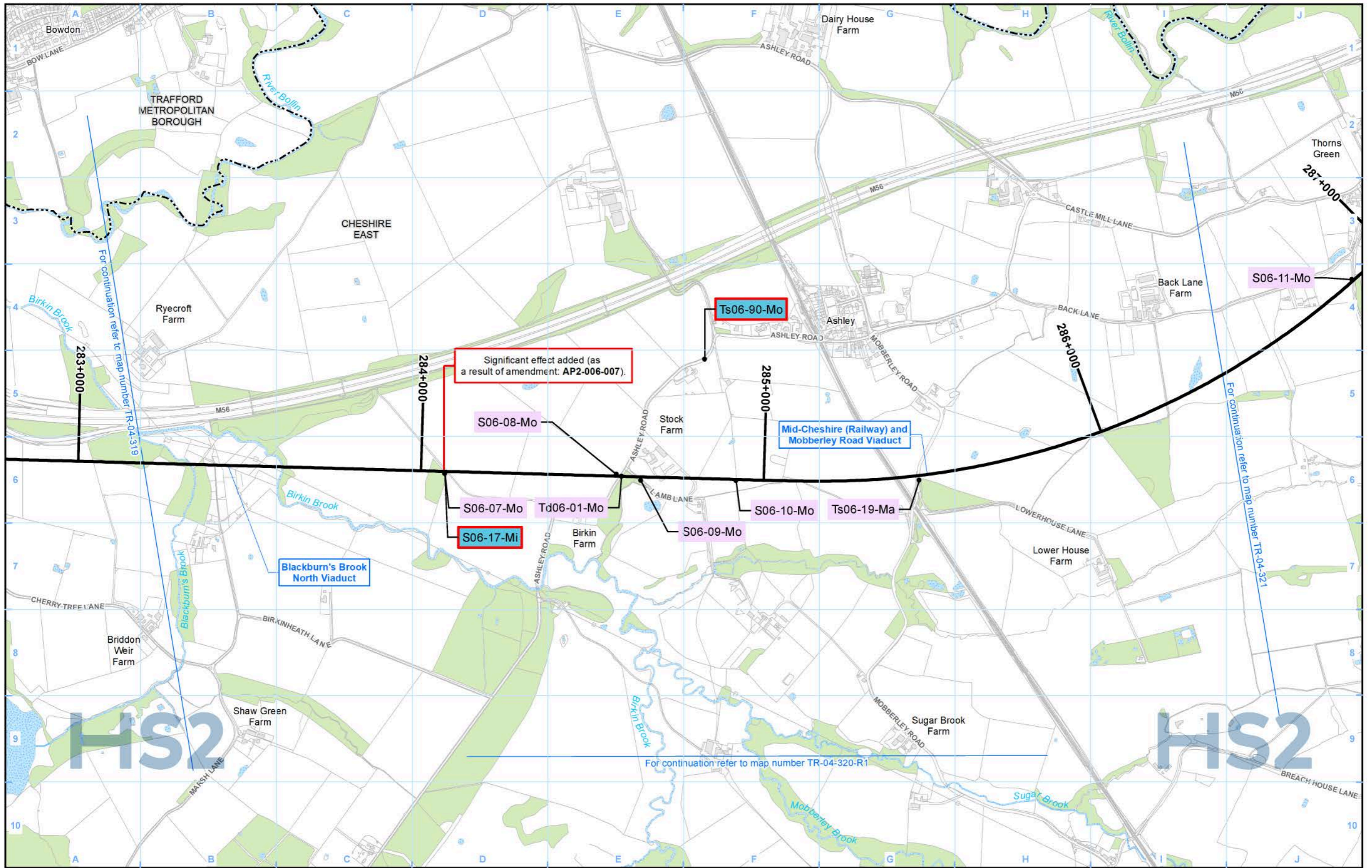
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Scale at A3: 1:10,000

Date: 03/05/23



- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary
 - Watercourse
 - Water body
 - Woodland

- Operational significant effects arising as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-320

Map Name: Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES

Community Area MA06: Hulseheath to Manchester Airport

HS2

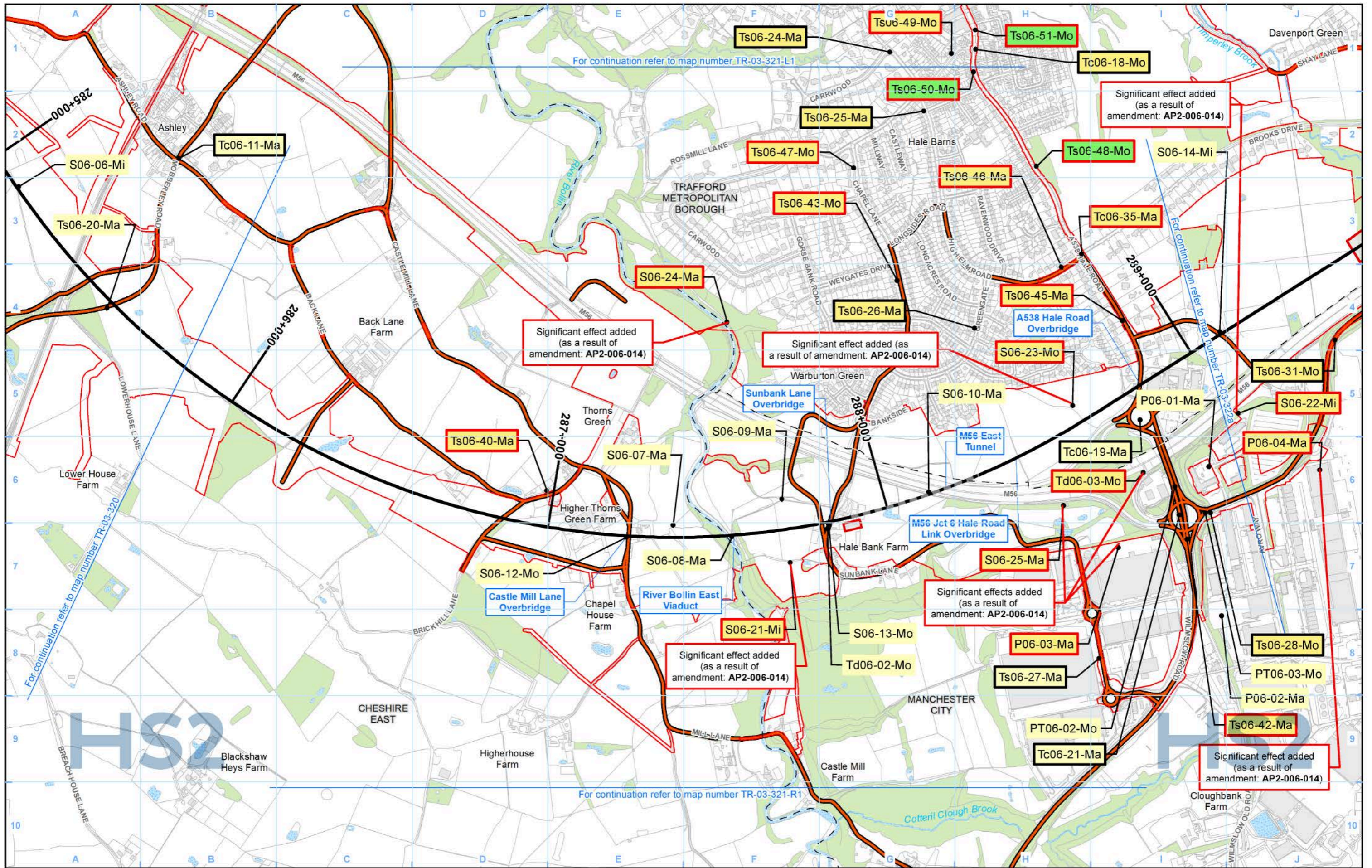
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Legend

- 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
- Woodland
- Construction traffic routes

Construction significant effects arising as a result of the current SES/AP:

- Adverse, permanent
- Adverse, temporary
- Beneficial, temporary
- Beneficial, permanent

Construction significant effects unchanged as a result of the current SES/AP:

- Adverse, permanent
- Adverse, temporary
- Beneficial, temporary
- Beneficial, permanent

For full legend please refer to TR-03 legend page.

Map Number: TR-03-321
 Map Name: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES
 Community Area MA06: Hulseheath to Manchester Airport

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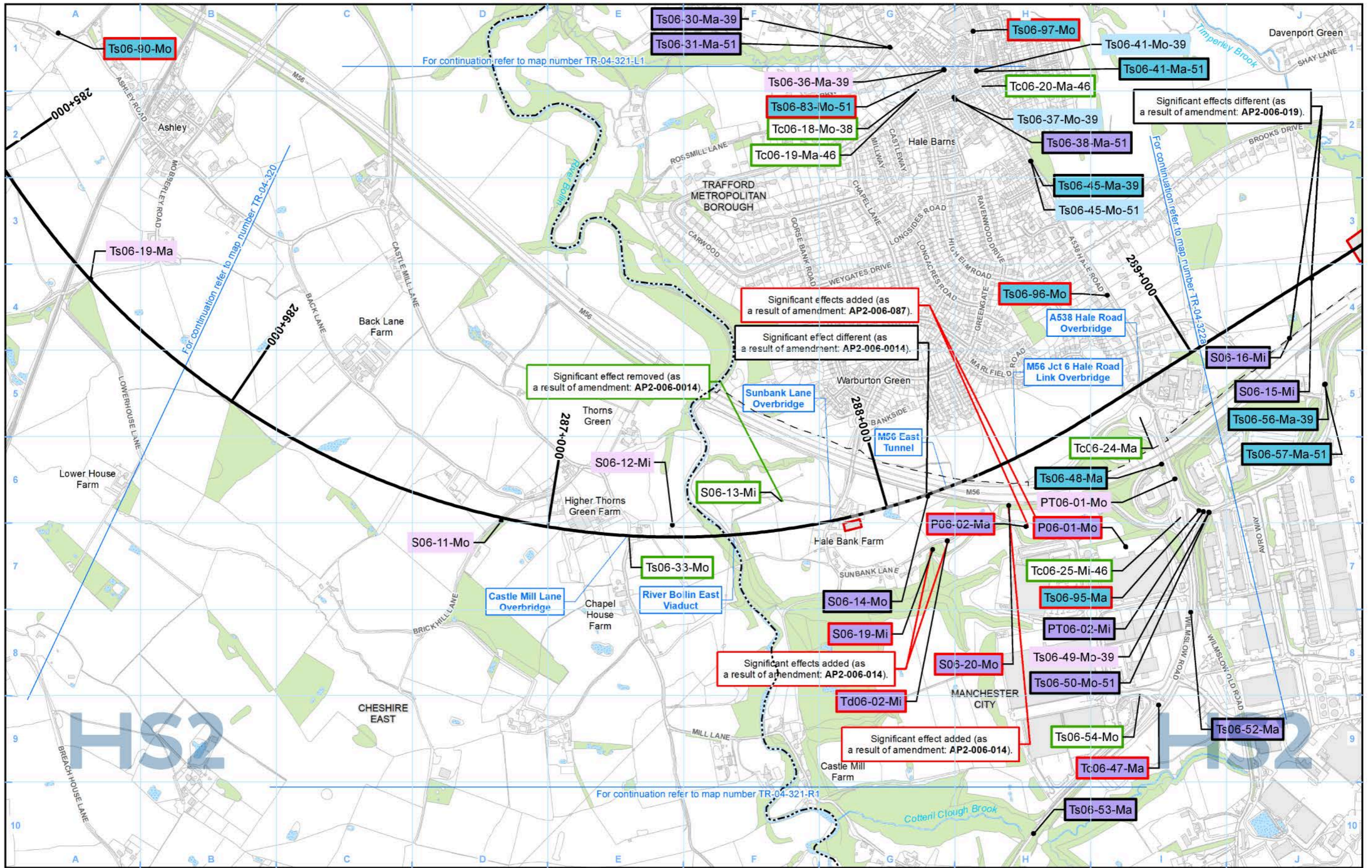
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Doc Number: 2PT27-MWJ-EV-MAP-M000-002167-P01

Date: 03/05/23

Scale at A3: 1:10,000

Meters



Legend

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Community area boundary
- County boundary
- District/Borough boundary
- Watercourse
- Water body
- Woodland

Operational significant effects arising as a result of the current SES/AP:

- Adverse, permanent
- Adverse, temporary
- Beneficial, temporary
- Beneficial, permanent

Operational significant effects unchanged as a result of the current SES/AP:

- Adverse, permanent
- Adverse, temporary
- Beneficial, temporary
- Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-321

Map Name: Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES

Community Area MA06: Hulseheath to Manchester Airport

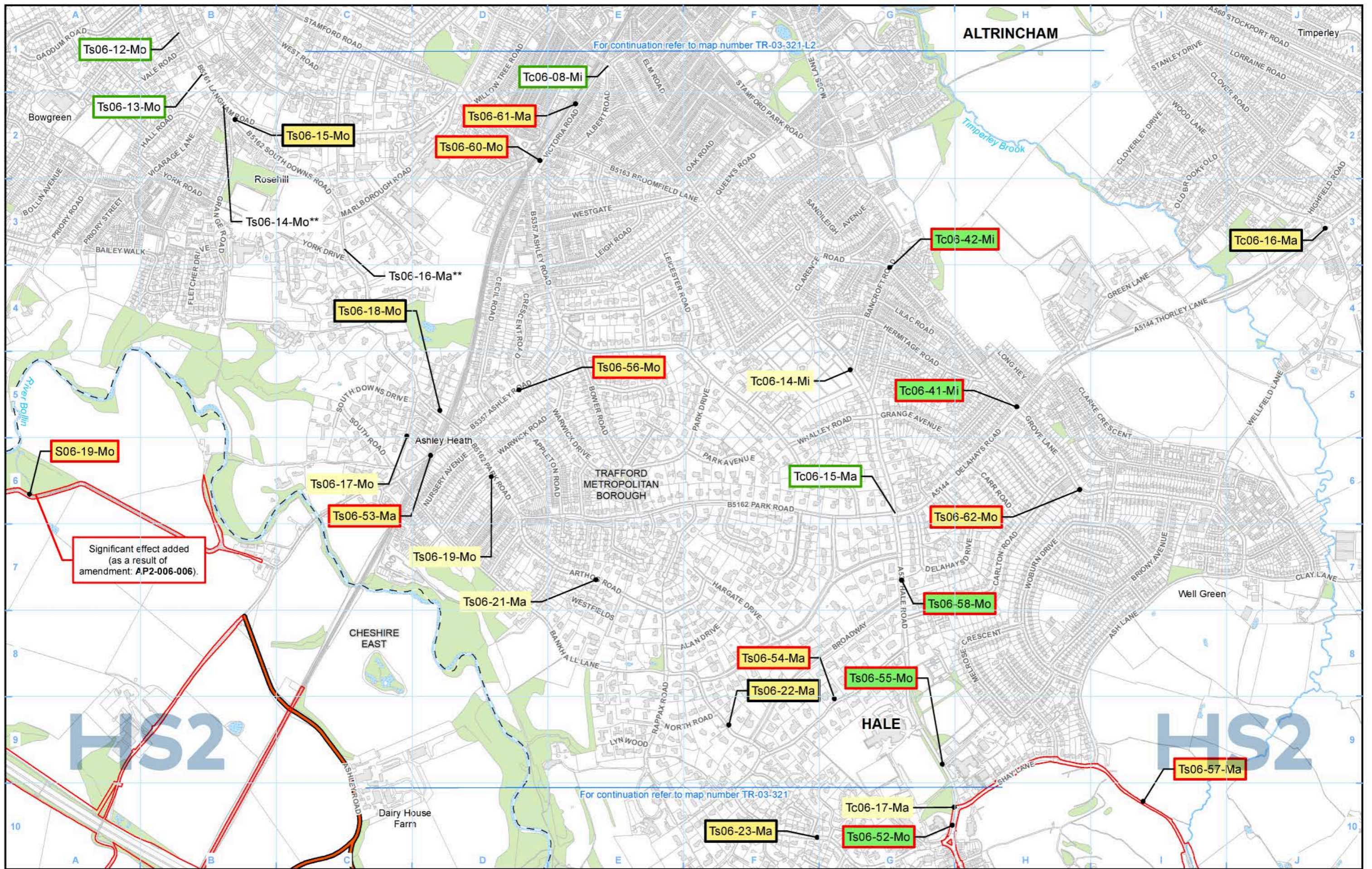
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Date: 13/04/23



For continuation refer to map number TR-03-321-L2

For continuation refer to map number TR-03-321

- 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
 - Construction traffic routes

- Construction significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

- Construction significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-03 legend page.

Map Number: TR-03-321-L1

Map Name: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES

Community Area MA06: Hulseheath to Manchester Airport

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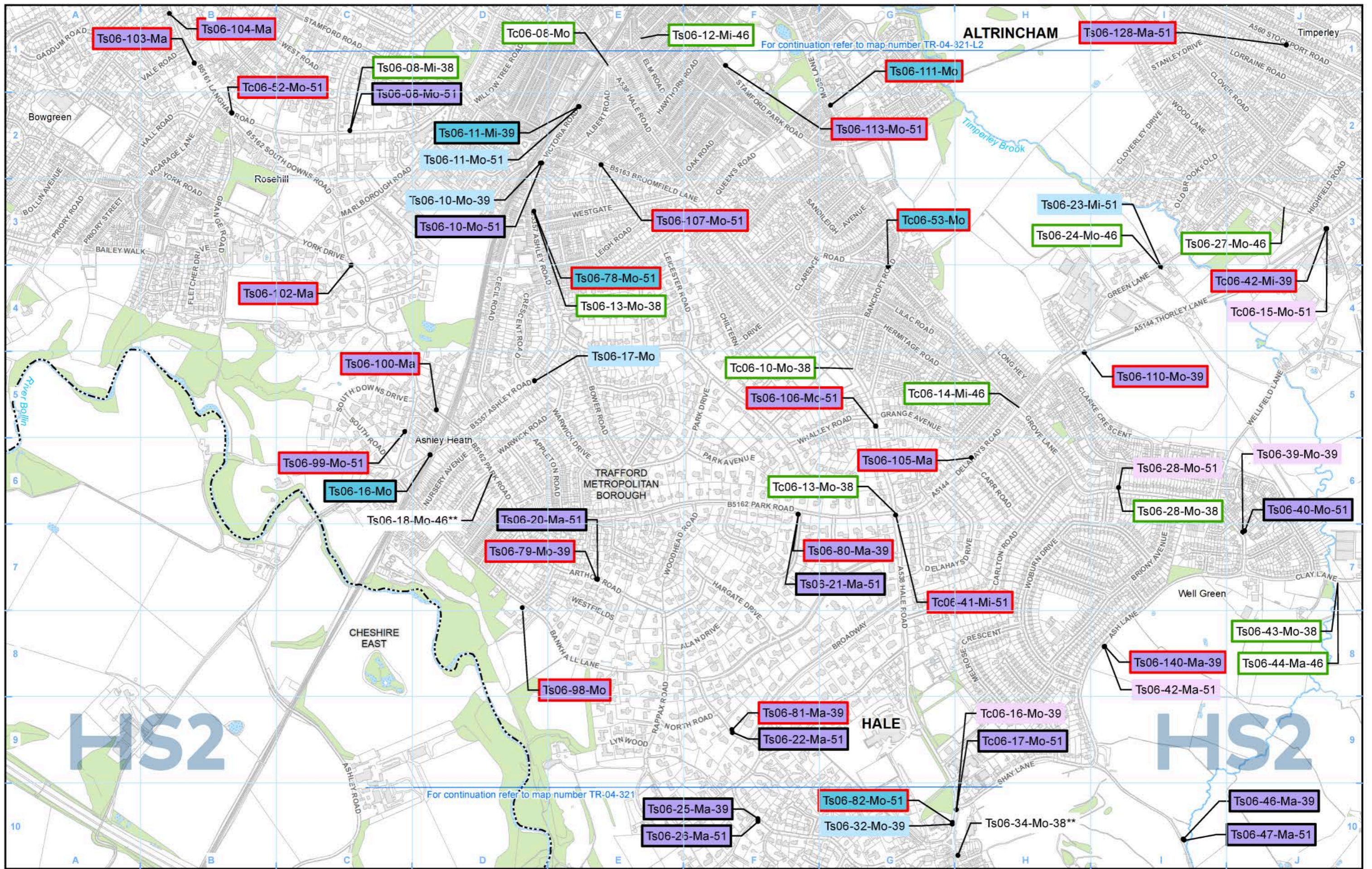
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Date: 03/05/23

Scale at A3: 1:10,000

Metres



Legend

| | | | |
|--|--|--|-------------|
| | Route in tunnel | | Watercourse |
| | Route on surface | | Water body |
| | Depot, station, headhouse or portal building | | Woodland |
| | Community area boundary | | |
| | County boundary | | |
| | District/Borough boundary | | |

Operational significant effects arising as a result of the current SES/AP:

| | | | |
|--|-----------------------|--|-----------------------|
| | Adverse, permanent | | Adverse, permanent |
| | Adverse, temporary | | Adverse, temporary |
| | Beneficial, temporary | | Beneficial, temporary |
| | Beneficial, permanent | | Beneficial, permanent |

For full legend please refer to TR-04 legend page.

| | |
|------------|---|
| Map Number | TR-04-321-L1 |
| Map Name | Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES |
| | Community Area MA06: Hulseheath to Manchester Airport |

HS2

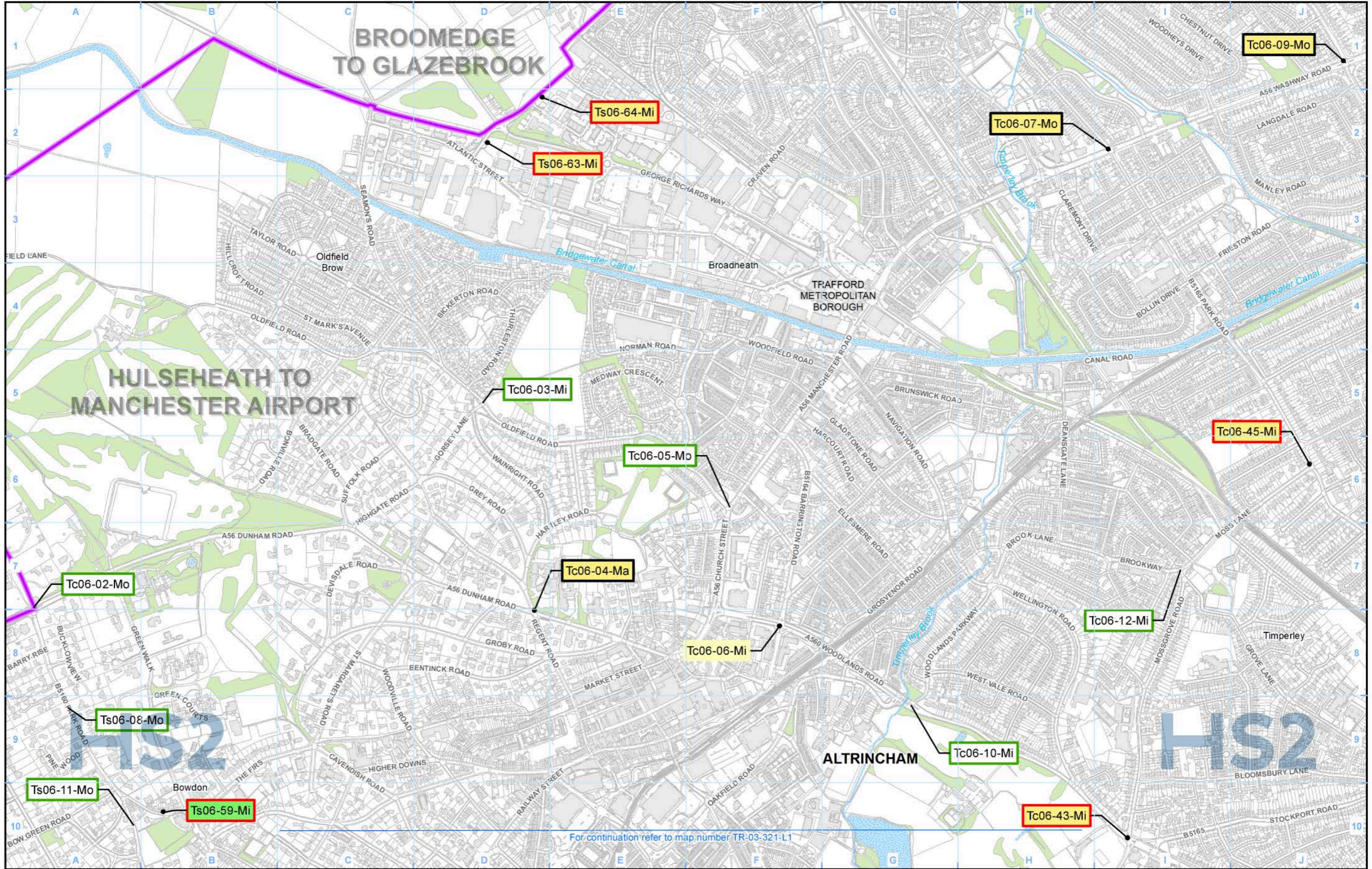
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For continuation refer to map number TR-03-321-L1

| 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 |
| | Construction traffic routes |

| Construction significant effects arising as a result of the current SES/AP: | |
|---|-----------------------|
| | Adverse, permanent |
| | Adverse, temporary |
| | Beneficial, temporary |
| | Beneficial, permanent |

| Construction significant effects unchanged as a result of the current SES/AP: | |
|---|-----------------------|
| | Adverse, permanent |
| | Adverse, temporary |
| | Beneficial, temporary |
| | Beneficial, permanent |

For full legend please refer to TR-03 legend page.

| | |
|------------|--|
| Map Number | TR-03-321-L2 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA06: Hulseheath to Manchester Airport |

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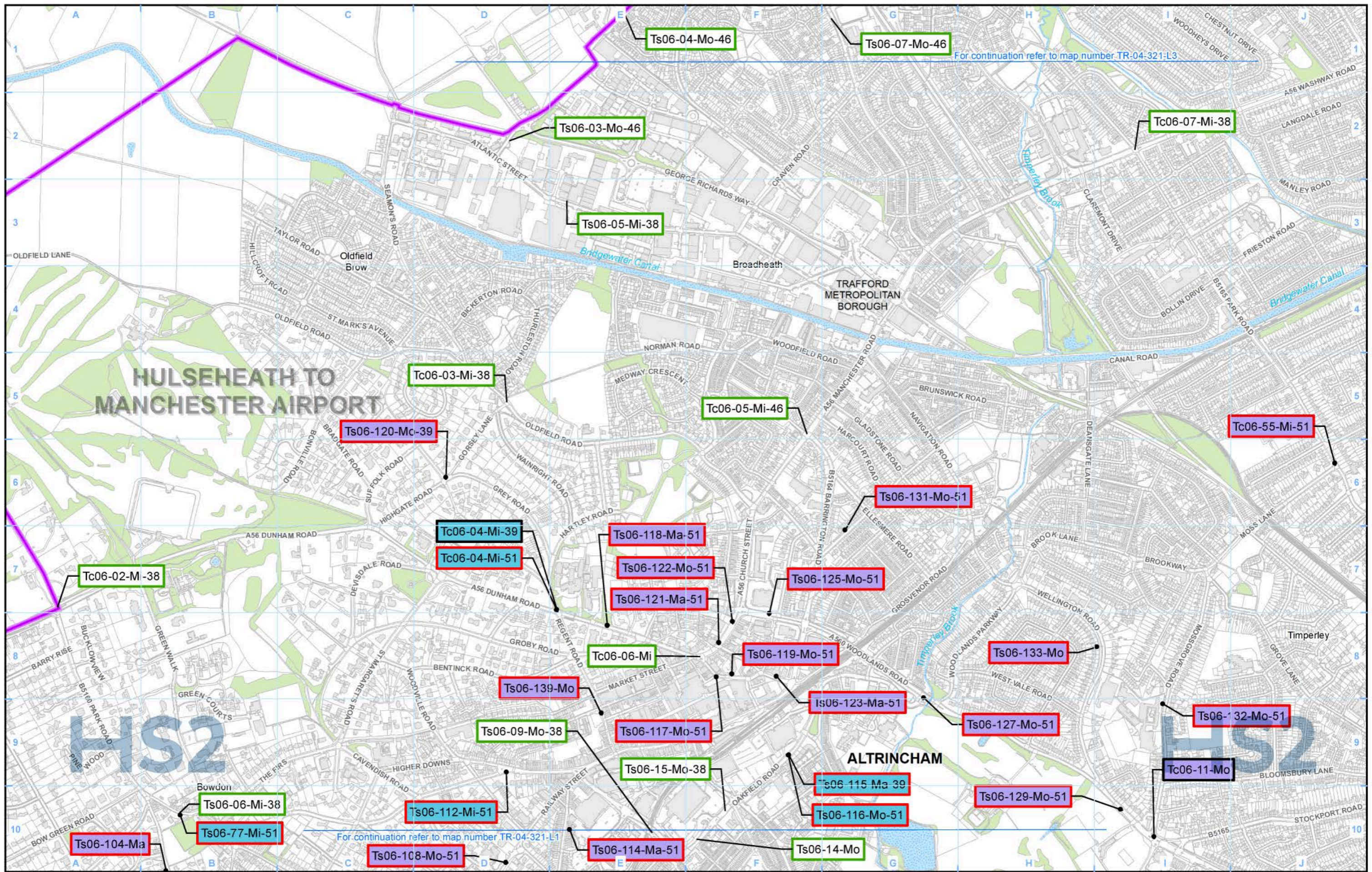
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Metres

Date: 03/05/23



For continuation refer to map number TR-04-321-L3

For continuation refer to map number TR-04-321-L1

Legend

| | | | |
|--|--|--|-------------|
| | Route in tunnel | | Watercourse |
| | Route on surface | | Water body |
| | Depot, station, headhouse or portal building | | Woodland |
| | Community area boundary | | |
| | County boundary | | |
| | District/Borough boundary | | |

| | |
|---|---|
| Operational significant effects arising as a result of the current SES/AP: | Operational significant effects unchanged as a result of the current SES/AP: |
| Adverse, permanent | Adverse, permanent |
| Adverse, temporary | Adverse, temporary |
| Beneficial, temporary | Beneficial, temporary |
| Beneficial, permanent | Beneficial, permanent |

For full legend please refer to TR-04 legend page.

| | |
|------------|---|
| Map Number | TR-04-321-L2 |
| Map Name | Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES |
| | Community Area MA06: Hulseheath to Manchester Airport |

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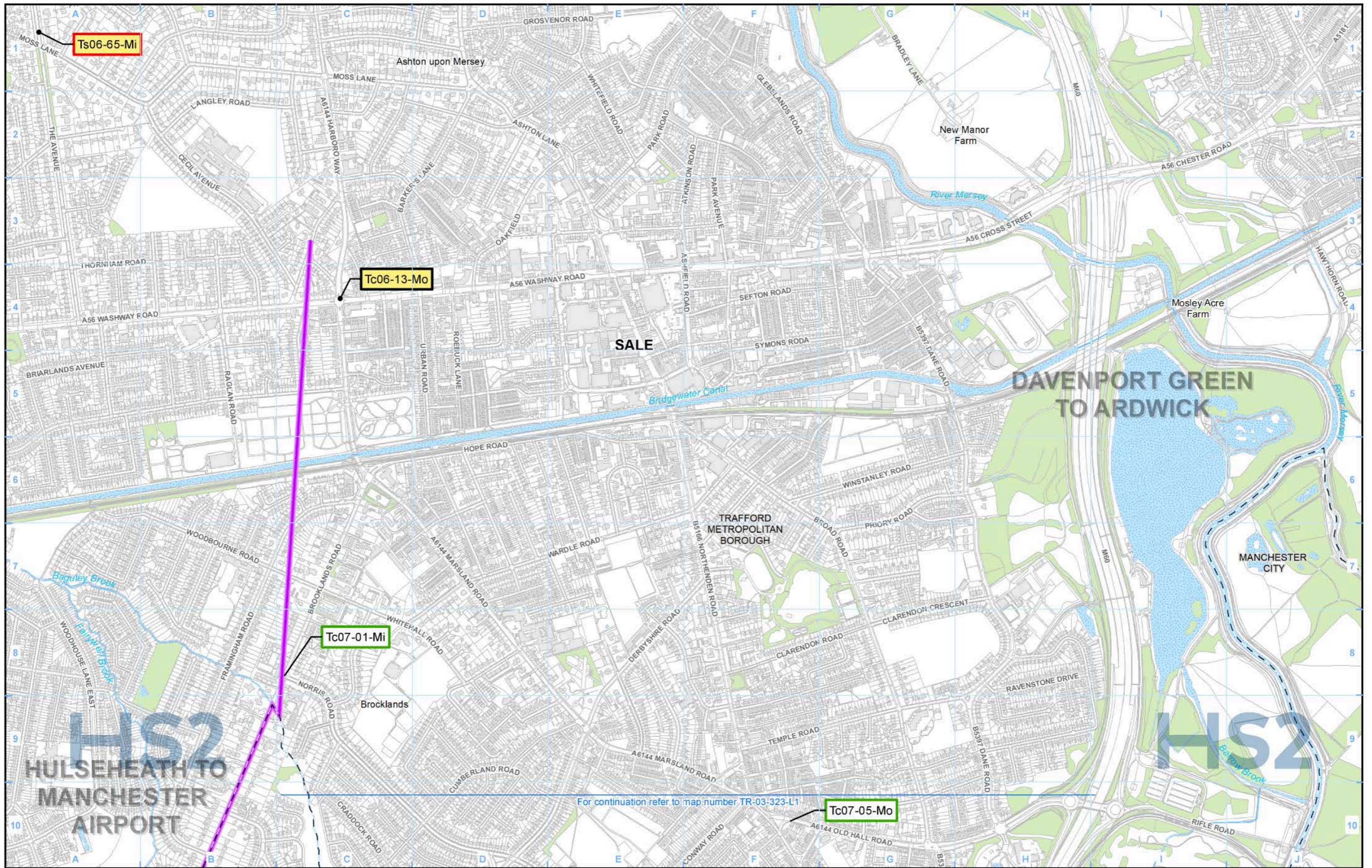
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Date: 13/04/23



| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | | For full legend please refer to TR-03 legend page. |
|--------|---|---|-----------------------|---|-----------------------|--|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent | |
| | Route on surface | | Adverse, temporary | | Adverse, temporary | |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary | |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent | |
| | Community area boundary | | | | | |
| | County boundary | | | | | |
| | District/Borough boundary | | | | | |
| | Watercourse | | | | | |
| | Water body | | | | | |
| | Woodland | | | | | |
| | Construction traffic routes | | | | | |

| | |
|------------|--|
| Map Number | TR-03-321-L3 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA06: Hulseheath to Manchester Airport |

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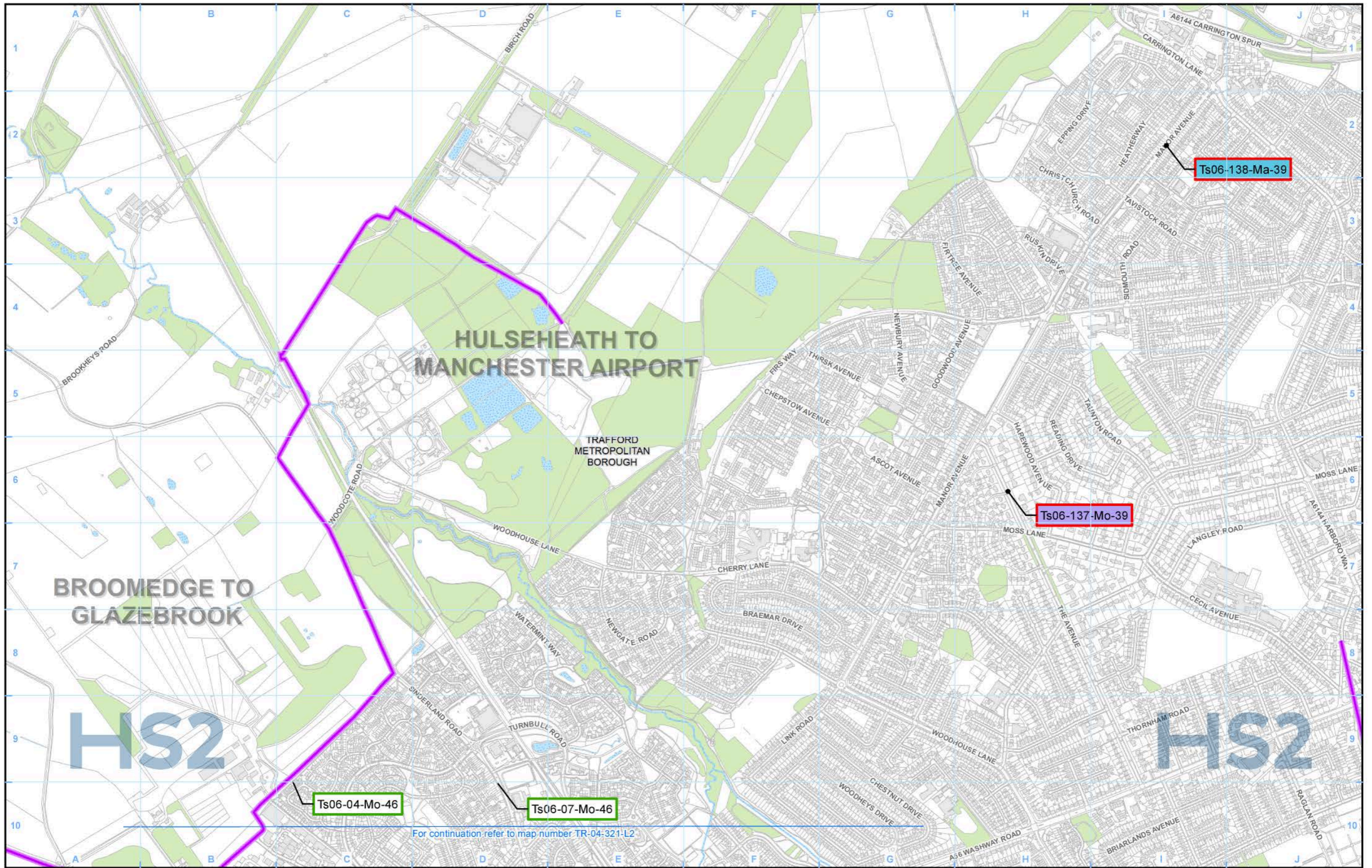
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Metres

Date: 03/05/23

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HULSEHEATH TO MANCHESTER AIRPORT

BROOMEDGE TO GLAZEBROOK

Hs2

Hs2

Ts06-04-Mo-46

Ts06-07-Mo-46

Ts06-138-Ma-39

Ts06-137-Mo-39

For continuation refer to map number TR-04-321-L2

- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland

- Operational significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-321-L3

Map Name: Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES

Community Area MA06: Hulseheath to Manchester Airport

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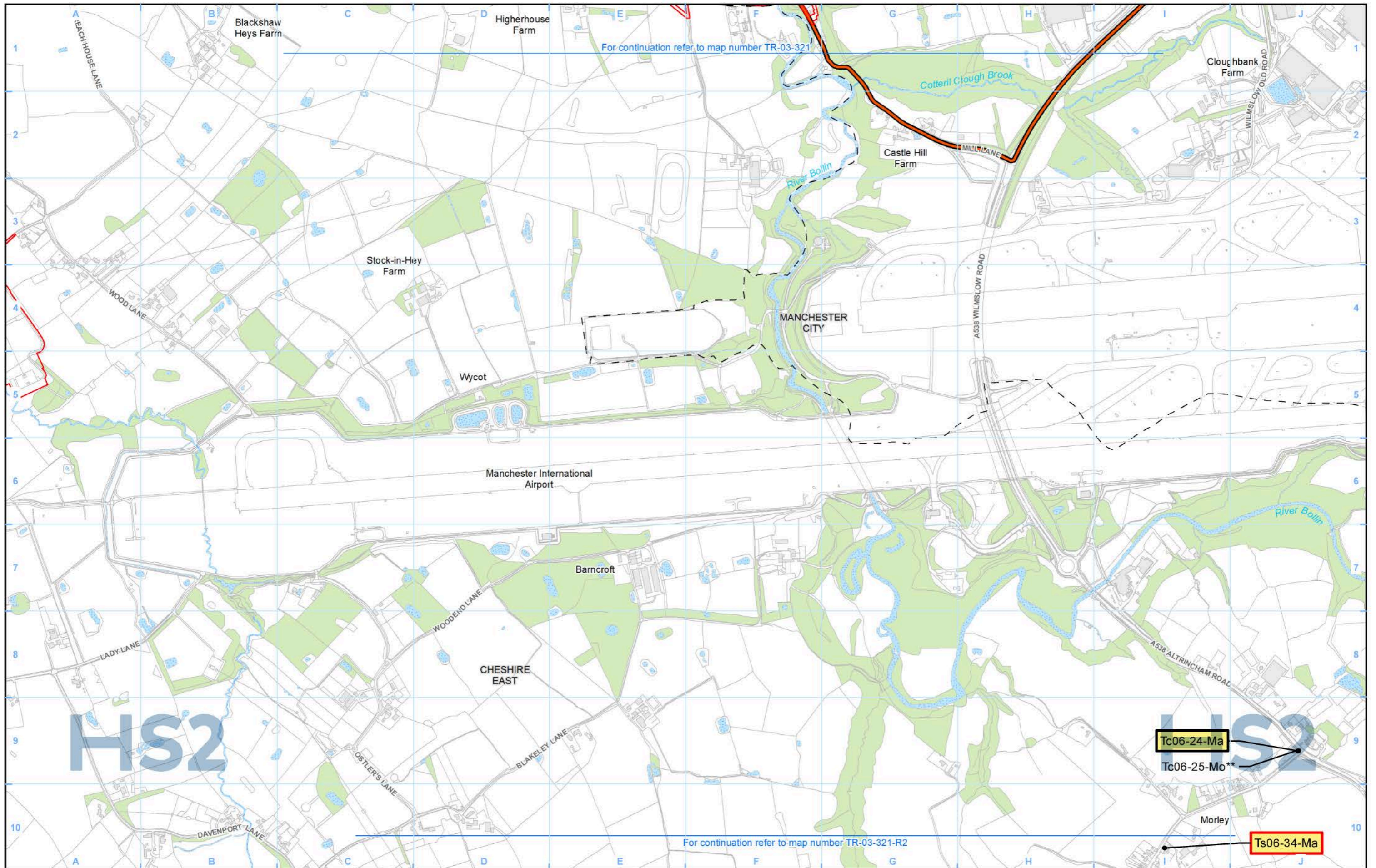
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Metres



For continuation refer to map number TR-03-321

For continuation refer to map number TR-03-321-R2

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
- Construction traffic routes

- Construction significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Construction significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-03 legend page.

Map Number: **TR-03-321-R1**

Map Name: **Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES**

Community Area MA06: **Hulseheath to Manchester Airport**

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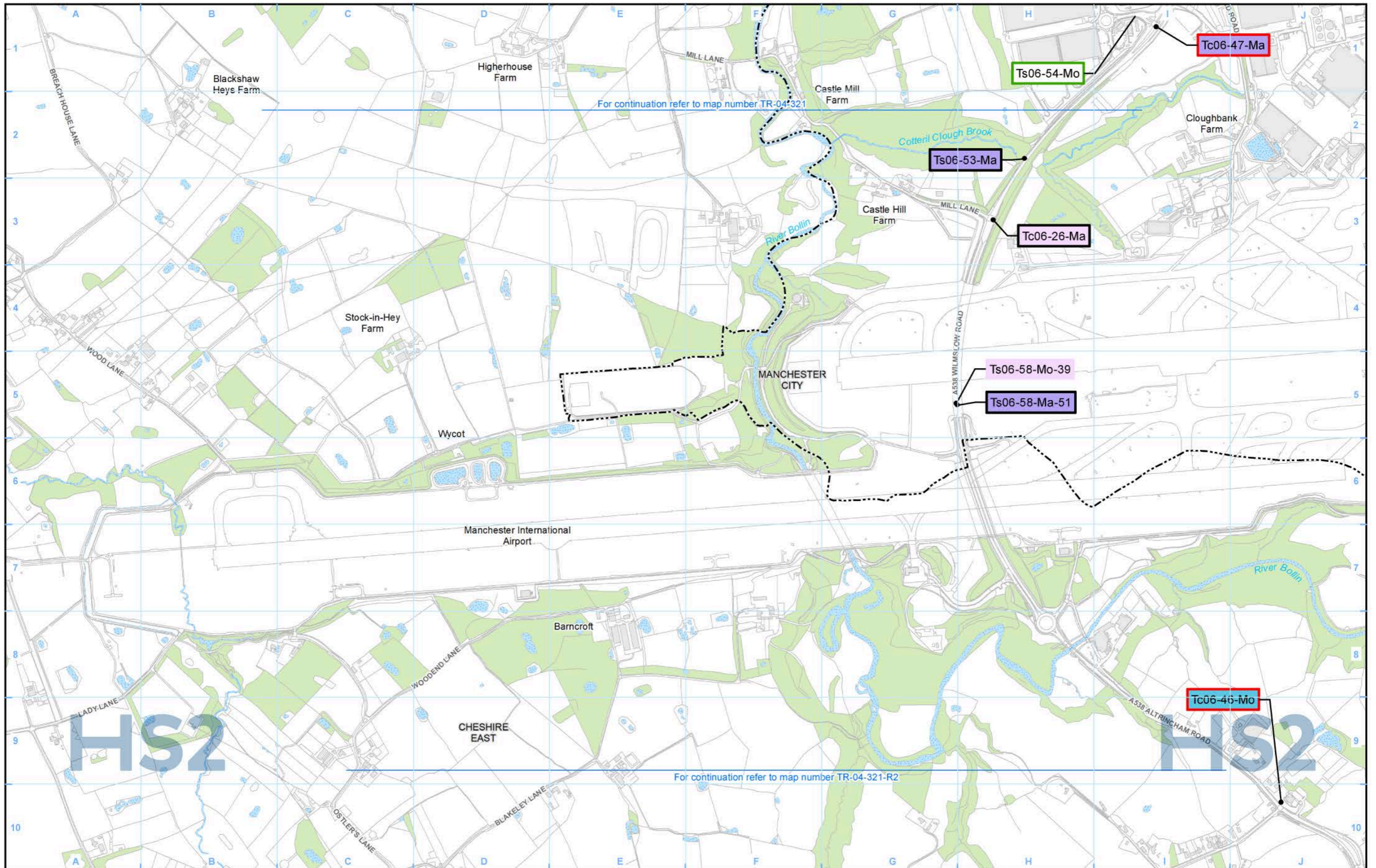
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Date: 03/05/23

Scale at A3: 1:10,000

Metres

- Tc06-24-Ma
- Tc06-25-Mo**
- Ts06-34-Ma



Legend

| | | | |
|--|-------------|--|--|
| | Watercourse | Operational significant effects arising as a result of the current SES/AP: | Operational significant effects unchanged as a result of the current SES/AP: |
| | Water body | | |
| | Woodland | | |
| | | | |
| | | | |
| | | | |

For full legend please refer to TR-04 legend page.

| | |
|------------|---|
| Map Number | TR-04-321-R1 |
| Map Name | Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES |
| | Community Area MA06: Hulseheath to Manchester Airport |

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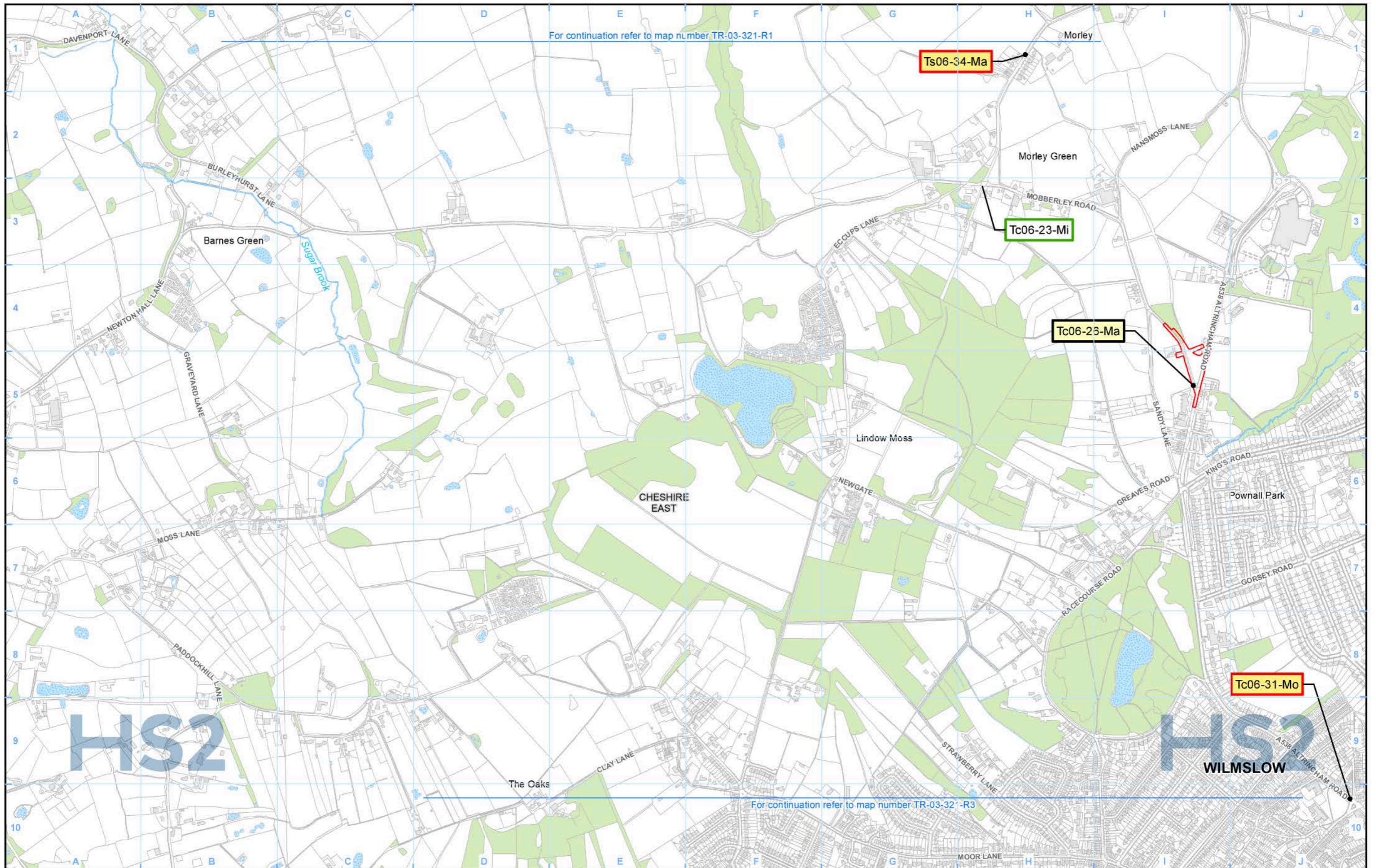
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Date: 13/04/23

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Metres



For continuation refer to map number TR-03-321-R1

For continuation refer to map number TR-03-321-R3

| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | | For full legend please refer to TR-03 legend page. | |
|--------|---|---|-----------------------|---|-----------------------|--|--|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent | | |
| | Route on surface | | Adverse, temporary | | Adverse, temporary | | |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary | | |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent | | |
| | Community area boundary | | | | | | |
| | County boundary | | | | | | |
| | District/Borough boundary | | | | | | |
| | Watercourse | | | | | | |
| | Water body | | | | | | |
| | Woodland | | | | | | |
| | Construction traffic routes | | | | | | |

| | |
|------------|--|
| Map Number | TR-03-321-R2 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA06: Hulseheath to Manchester Airport |

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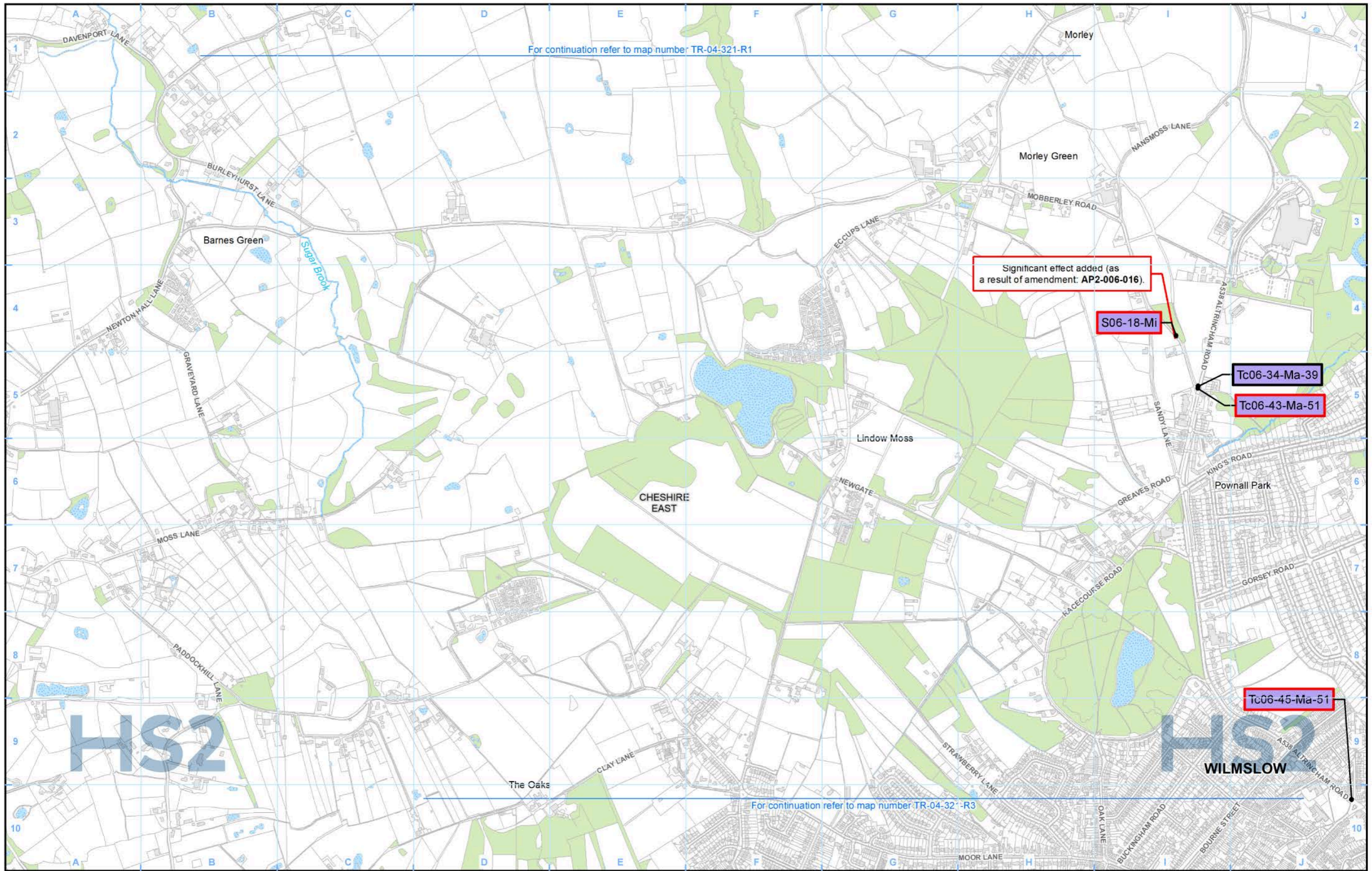
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For continuation refer to map number TR-04-321-R1

For continuation refer to map number TR-04-321-R3

- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary
 - Watercourse
 - Water body
 - Woodland

- Operational significant effects arising as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number **TR-04-321-R2**

Map Name **Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES**

Community Area MA06: Hulseheath to Manchester Airport

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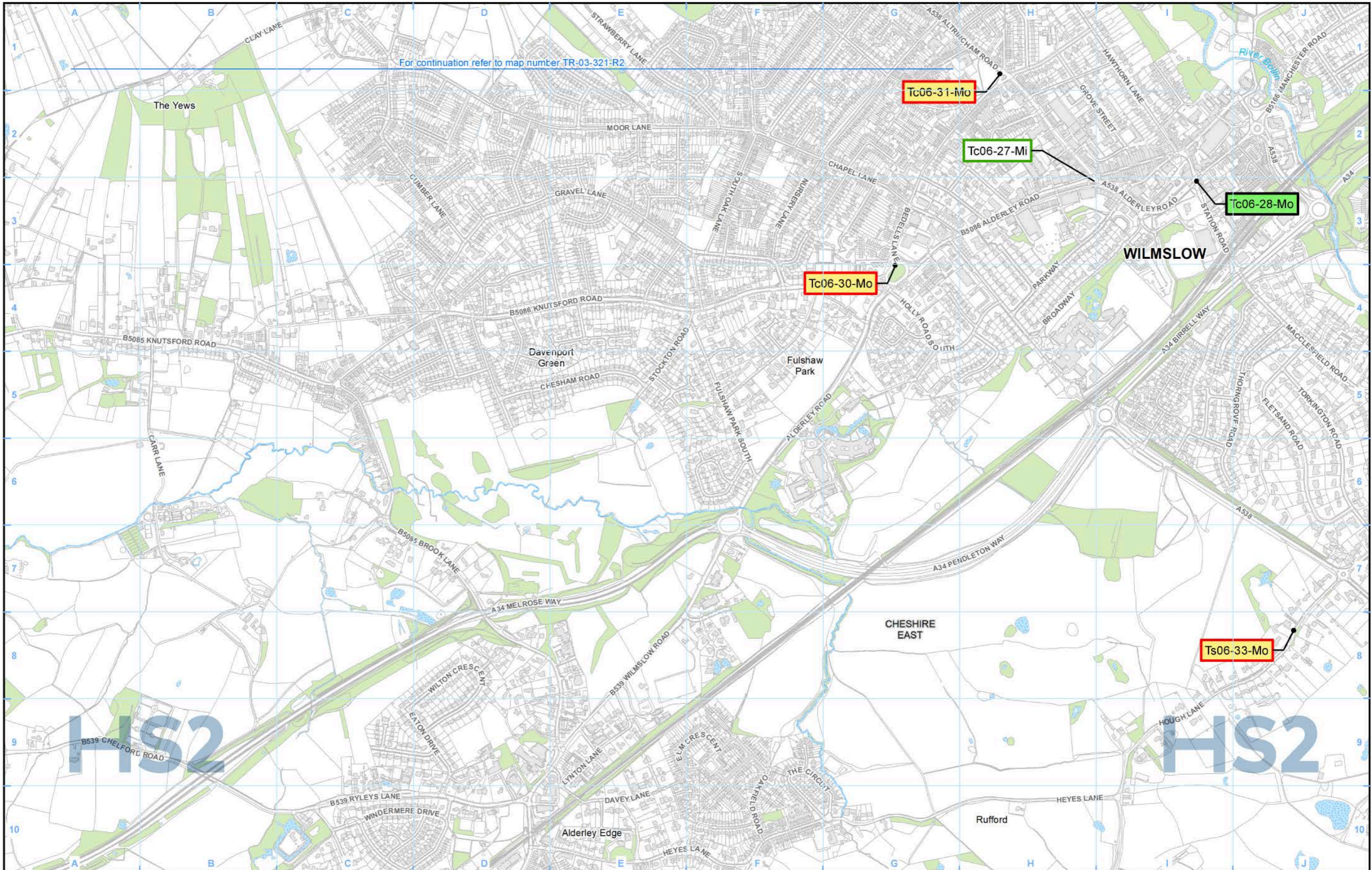
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For continuation refer to map number TR-03-321-R2



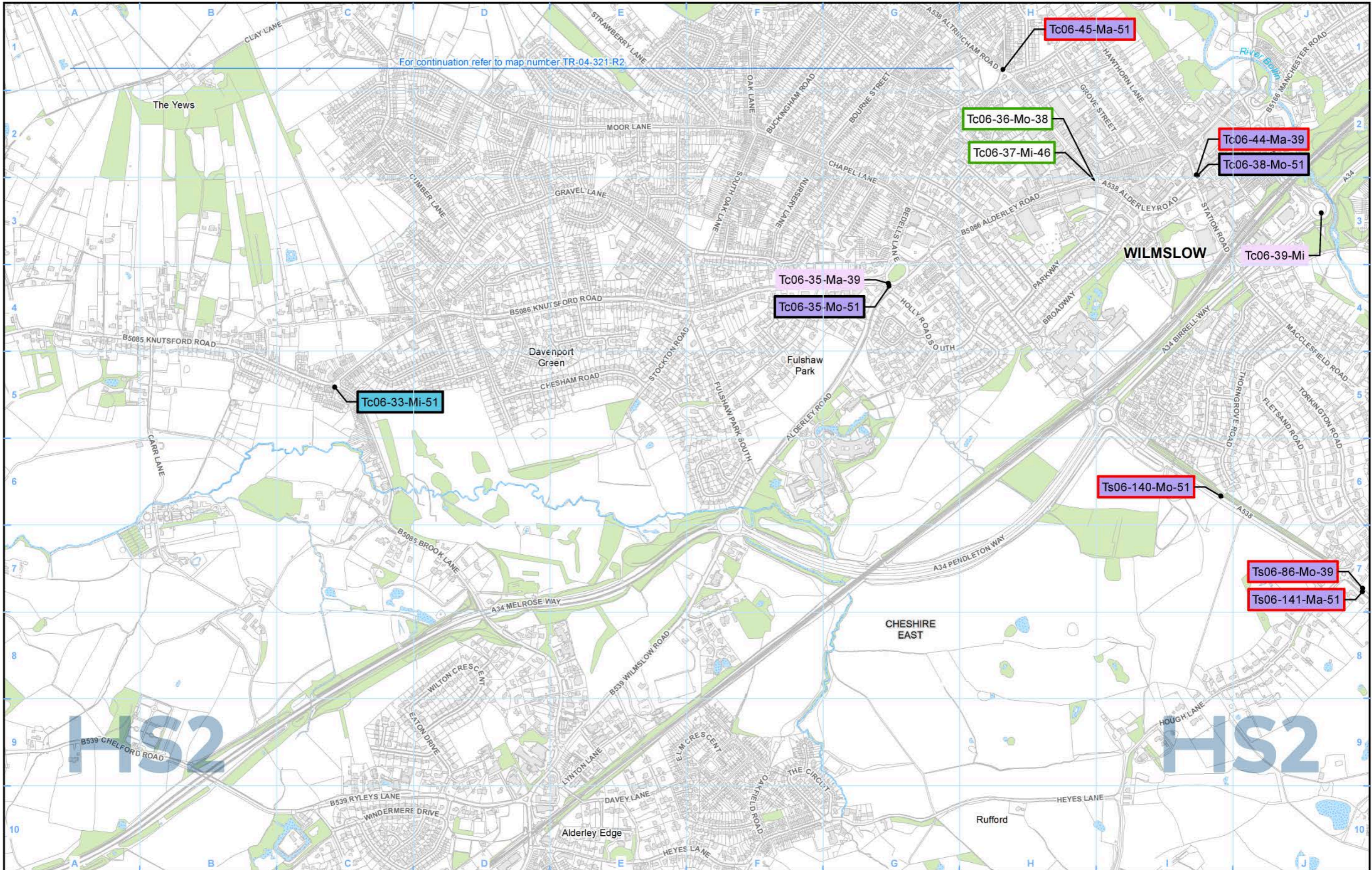
Legend

- | | | | | |
|--|--|---|---|---|
| <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 Construction traffic routes | <p>Construction significant effects arising as a result of the current SES/AP:</p> <ul style="list-style-type: none"> Adverse, permanent Adverse, temporary Beneficial, temporary Beneficial, permanent | <p>Construction significant effects unchanged as a result of the current SES/AP:</p> <ul style="list-style-type: none"> Adverse, permanent Adverse, temporary Beneficial, temporary Beneficial, permanent | <p>For full legend please refer to TR-03 legend page.</p> |
|--|--|---|---|---|

| | |
|------------|--|
| Map Number | TR-03-321-R3 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA06: Hulseheath to Manchester Airport |

| | |
|---|--|
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| <p>Doc Number: 2PT27-MWJ-EV-MAP-M000-003745-P01</p> | <p>Date: 03/05/23</p> |

For continuation refer to map number TR-04-321-R2



Legend

| | | | |
|--|--|--|-------------|
| | Route in tunnel | | Watercourse |
| | Route on surface | | Water body |
| | Depot, station, headhouse or portal building | | Woodland |
| | Community area boundary | | |
| | County boundary | | |
| | District/Borough boundary | | |

| | |
|---|---|
| Operational significant effects arising as a result of the current SES/AP: | Operational significant effects unchanged as a result of the current SES/AP: |
| | |
| | |
| | |
| | |

For full legend please refer to TR-04 legend page.

| | |
|------------|---|
| Map Number | TR-04-321-R3 |
| Map Name | Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES |
| | Community Area MA06: Hulseheath to Manchester Airport |

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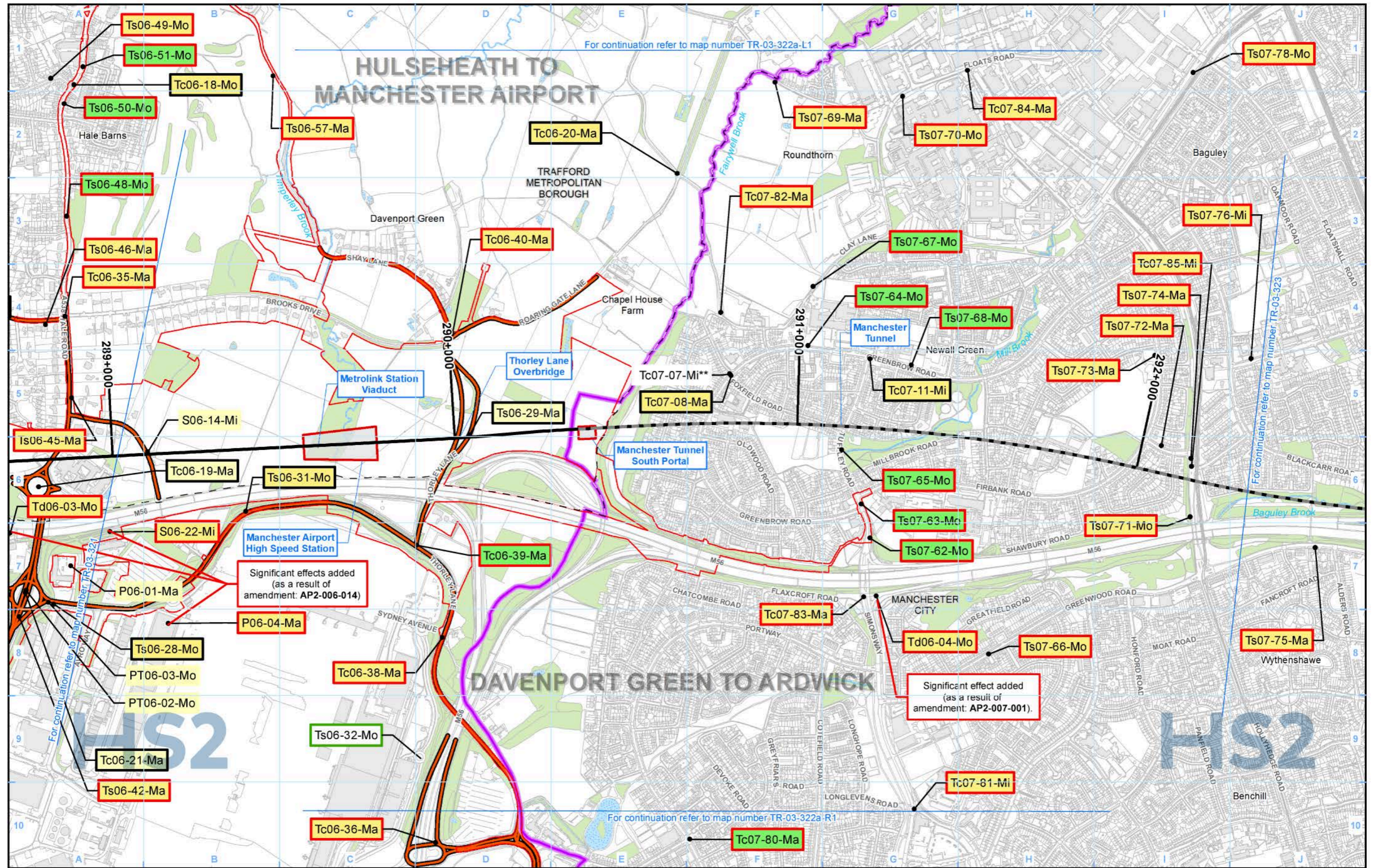
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Date: 13/04/23



| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | |
|--------|---|---|-----------------------|---|-----------------------|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent |
| | Route on surface | | Adverse, temporary | | Adverse, temporary |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent |
| | Community area boundary | | | | |
| | County boundary | | | | |
| | District/Borough boundary | | | | |
| | Watercourse | | | | |
| | Water body | | | | |
| | Woodland | | | | |
| | Construction traffic routes | | | | |

For full legend please refer to TR-03 legend page.

| | |
|------------|--|
| Map Number | TR-03-322a |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA06: Hulseheath to Manchester Airport |

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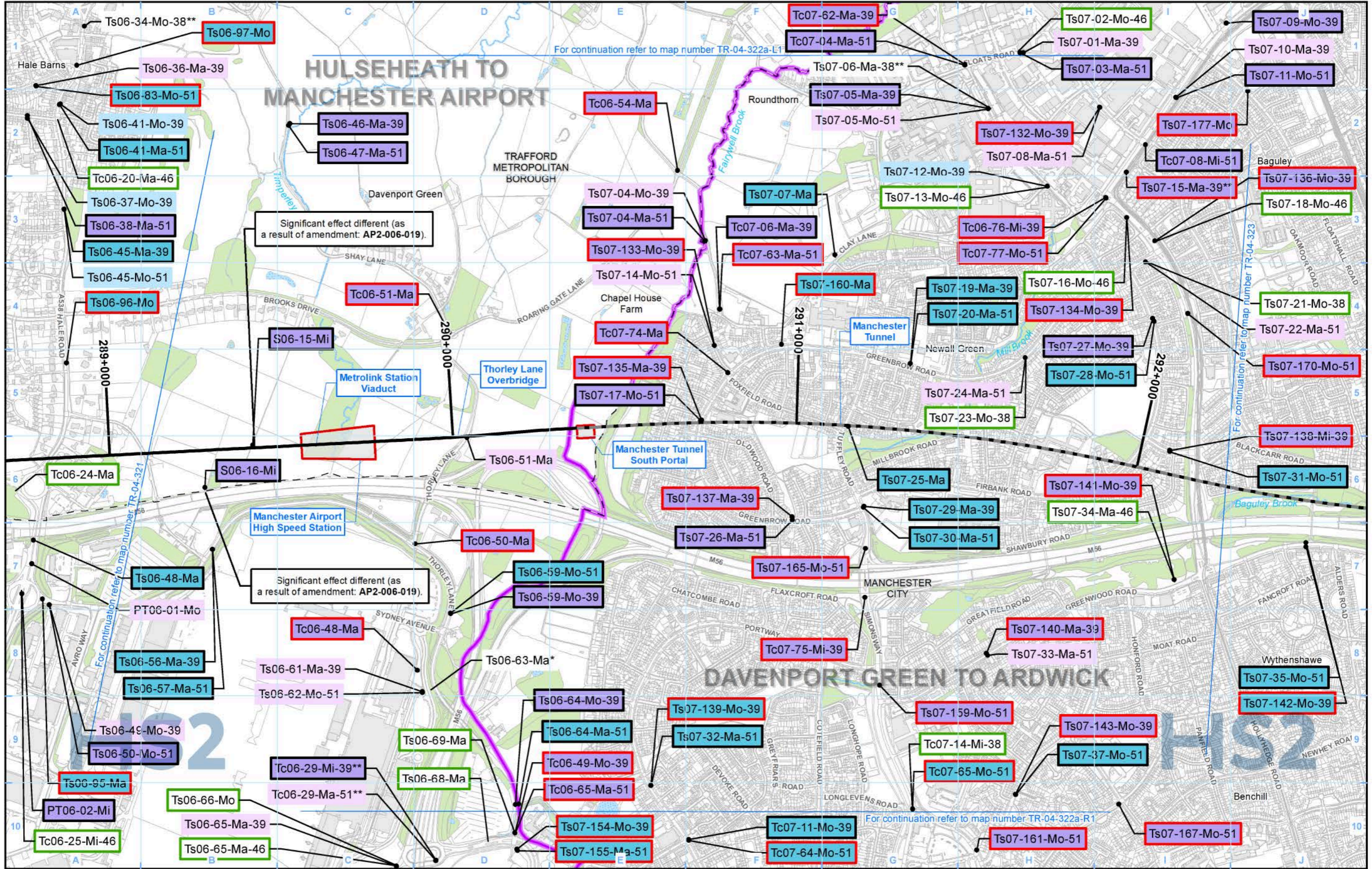
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Date: 03/05/23

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HULSEHEATH TO MANCHESTER AIRPORT



- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary
 - Watercourse
 - Water body
 - Woodland

- Operational significant effects arising as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-322a

Map Name: Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES

Community Area MA06: Hulseheath to Manchester Airport

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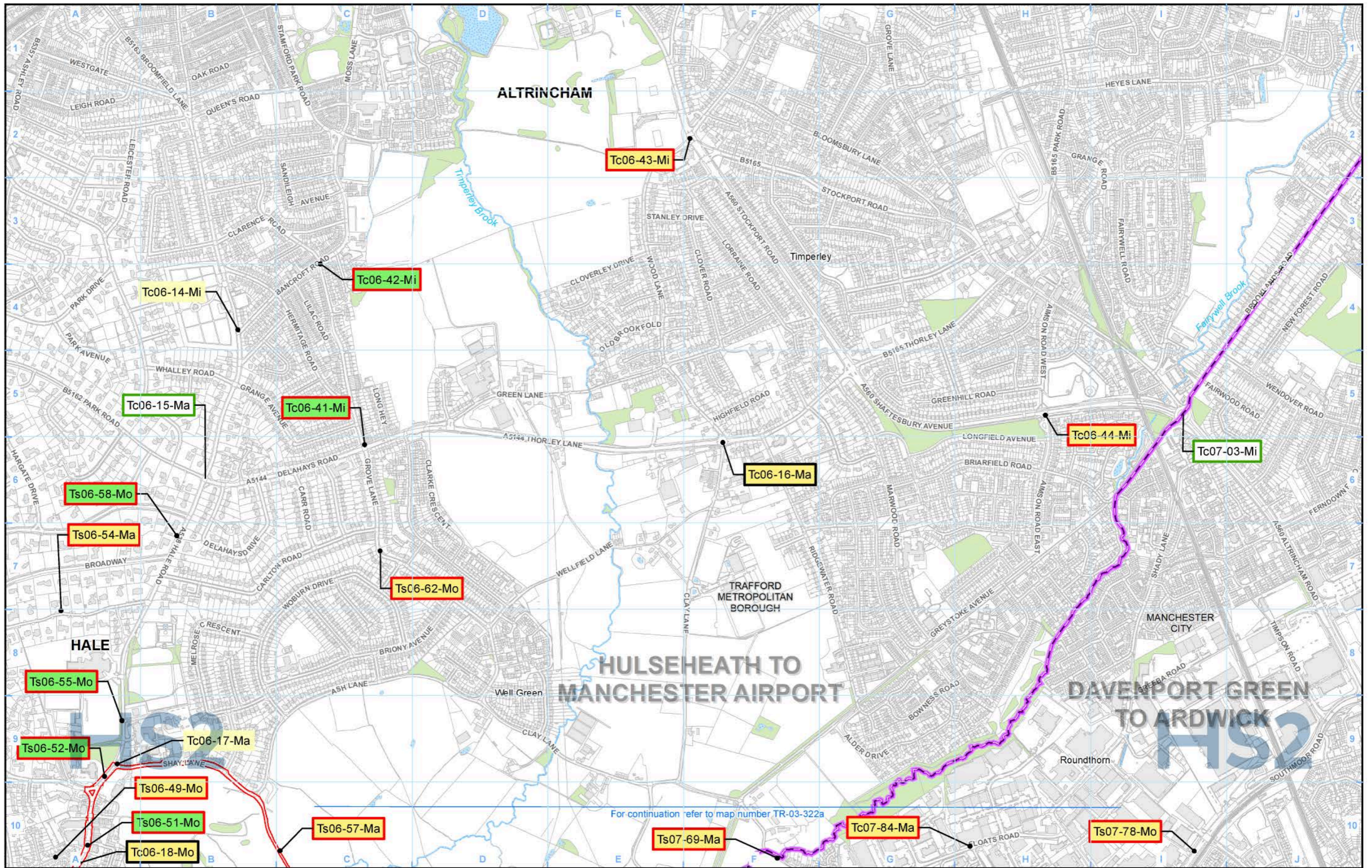
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Date: 13/04/23



- 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
 - Construction traffic routes

- Construction significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

- Construction significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

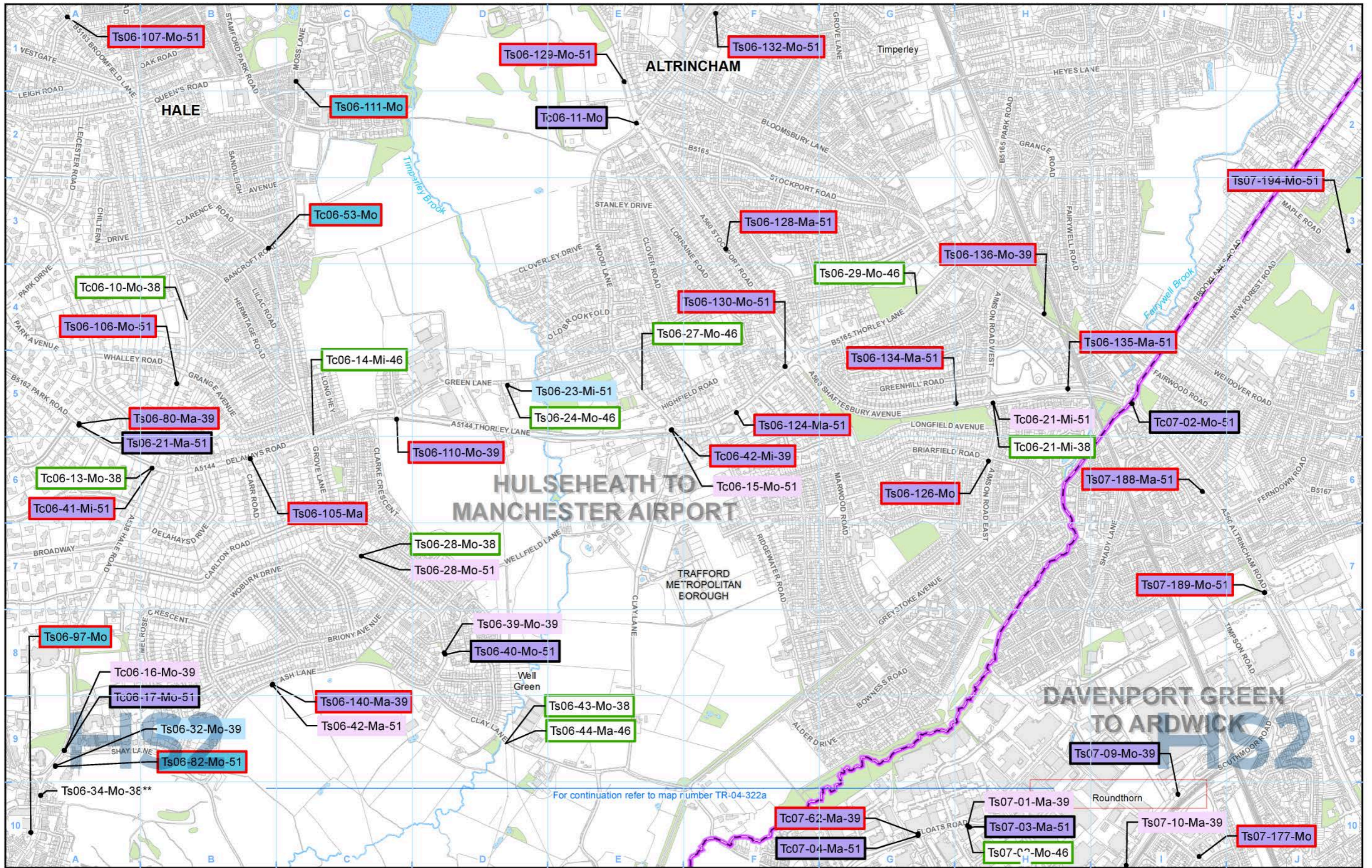
For full legend please refer to TR-03 legend page.

Map Number: TR-03-322a-L1
 Map Name: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES
 Community Area MA06: Hulseheath to Manchester Airport

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- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary
 - Watercourse
 - Water body
 - Woodland

- Operational significant effects arising as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

For continuation refer to map number TR-04-322a

Map Number: TR-04-322a-L1
 Map Name: Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES
 Community Area MA06: Hulseheath to Manchester Airport

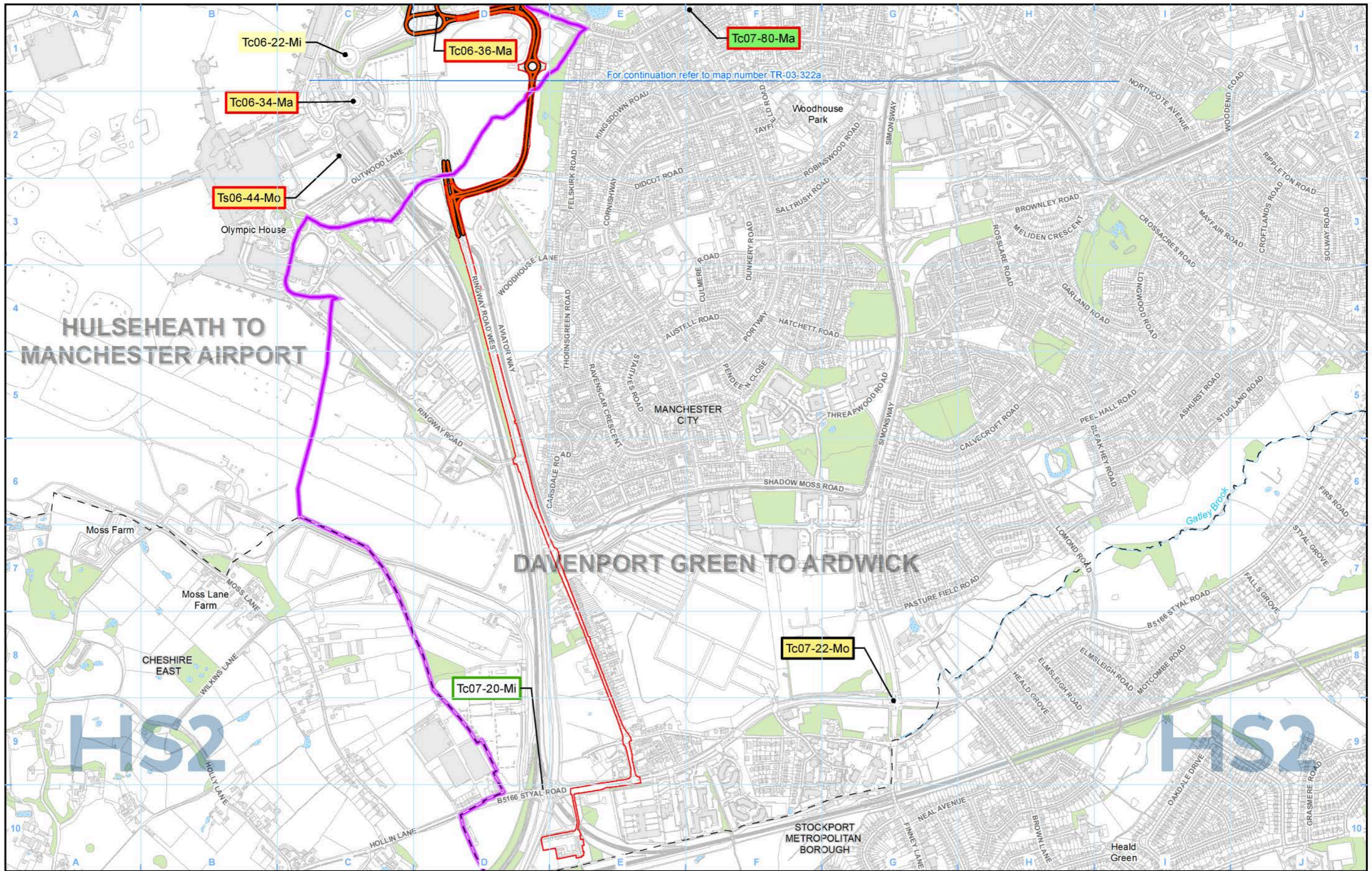
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Doc Number: 2PT27-MWJ-EV-MAP-M000-003752-P01 Date: 13/04/23



For continuation refer to map number TR-03-322a

| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | | For full legend please refer to TR-03 legend page. | |
|--------|---|---|-----------------------|---|-----------------------|--|--|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent | | |
| | Route on surface | | Adverse, temporary | | Adverse, temporary | | |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary | | |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent | | |
| | Community area boundary | | | | | | |
| | County boundary | | | | | | |
| | District/Borough boundary | | | | | | |
| | Watercourse | | | | | | |
| | Water body | | | | | | |
| | Woodland | | | | | | |
| | Construction traffic routes | | | | | | |

| | |
|------------|--|
| Map Number | TR-03-322a-R1 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA06: Hulseheath to Manchester Airport |

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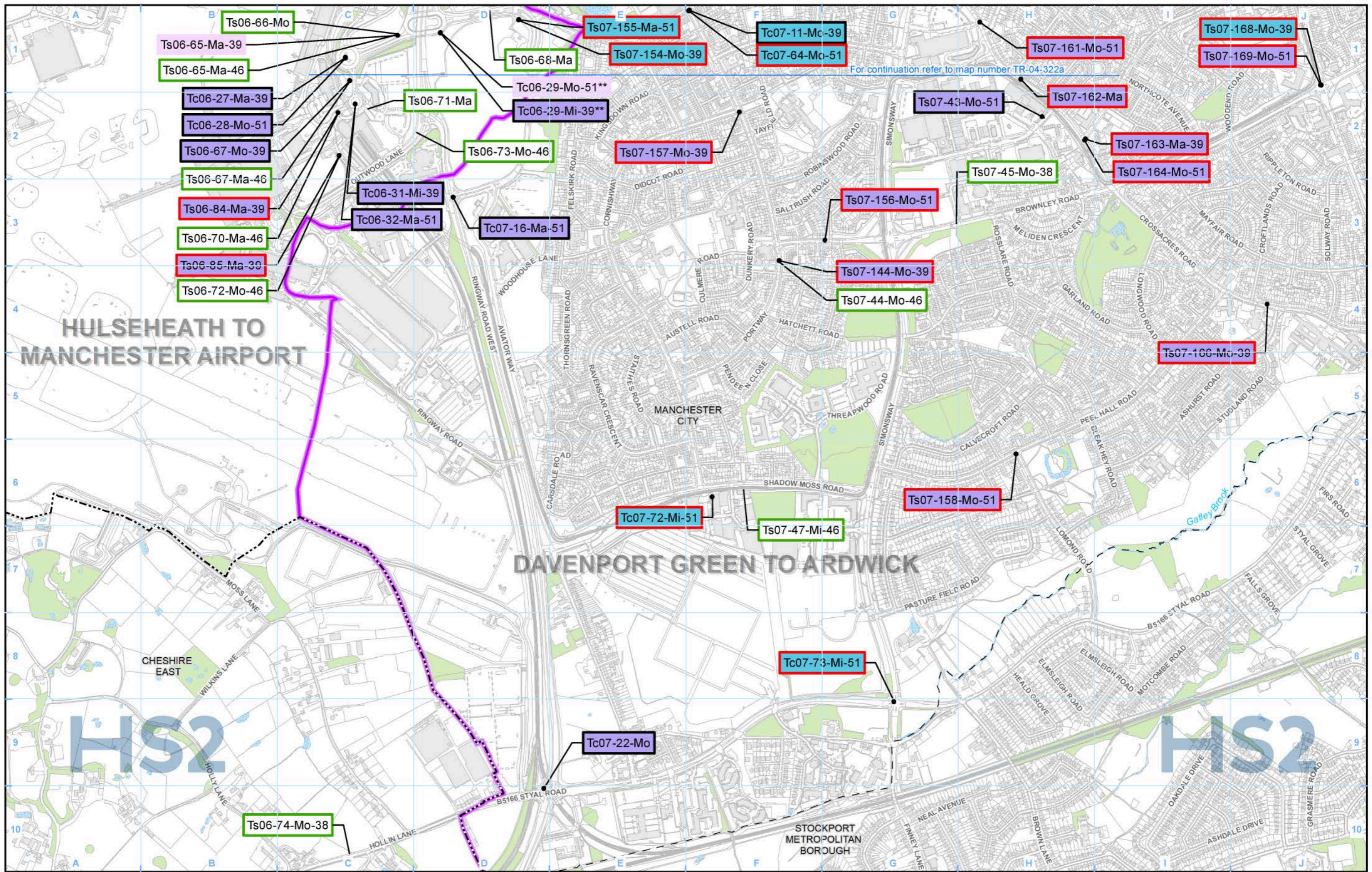
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Date: 03/05/23

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Legend

| | | | |
|--|--|--|-------------|
| | Route in tunnel | | Watercourse |
| | Route on surface | | Water body |
| | Depot, station, headhouse or portal building | | Woodland |
| | Community area boundary | | |
| | County boundary | | |
| | District/Borough boundary | | |

| | |
|---|---|
| Operational significant effects arising as a result of the current SES/AP: | Operational significant effects unchanged as a result of the current SES/AP: |
| Adverse, permanent | Adverse, permanent |
| Adverse, temporary | Adverse, temporary |
| Beneficial, temporary | Beneficial, temporary |
| Beneficial, permanent | Beneficial, permanent |

For full legend please refer to TR-04 legend page.

| | |
|------------|---|
| Map Number | TR-04-322a-R1 |
| Map Name | Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES |
| | Community Area MA06: Hulseheath to Manchester Airport |

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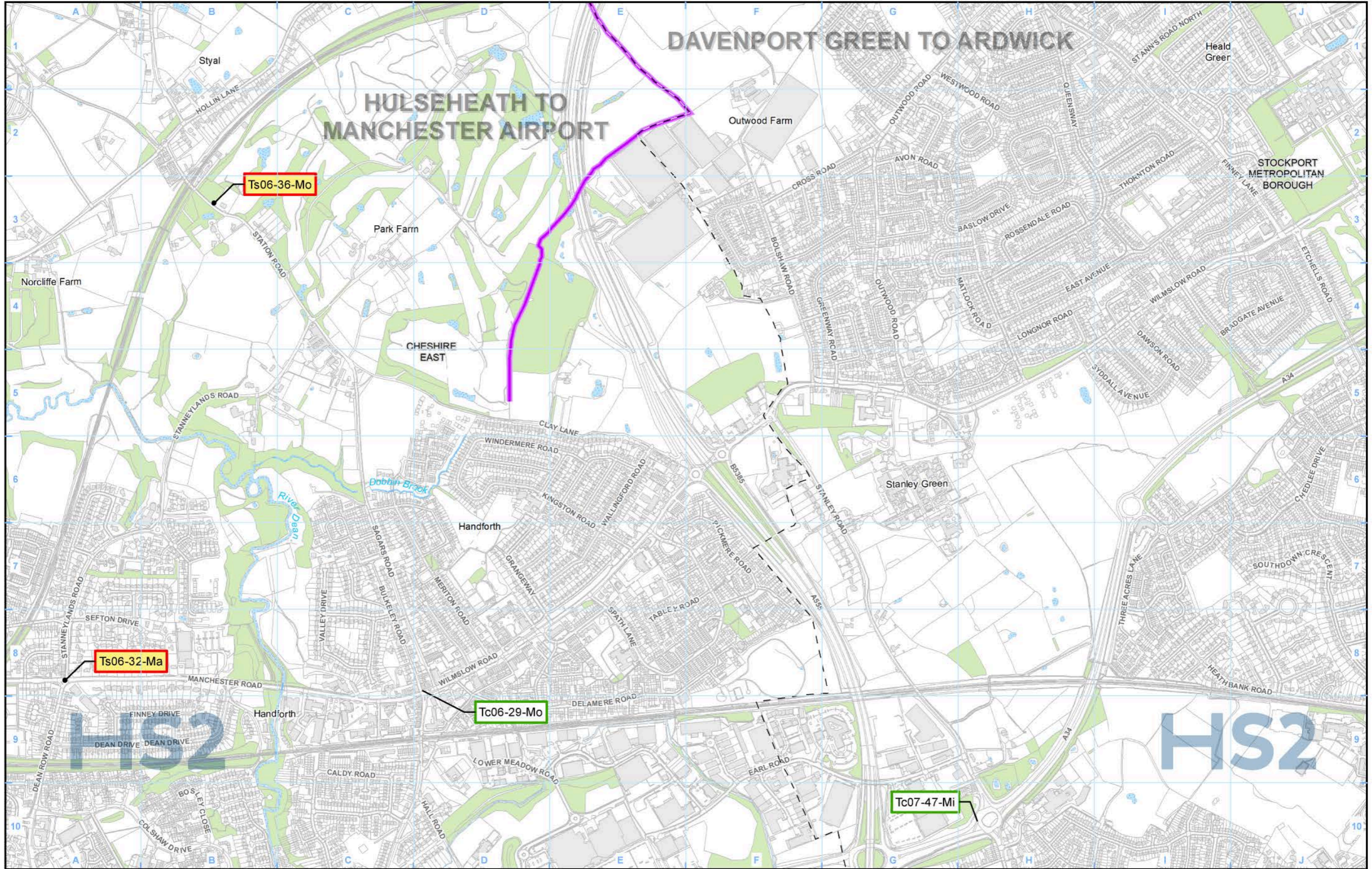
Doc Number: 2PT27-MWJ-EV-MAP-M000-003753-P01

Scale at A3: 1:10,000

Date: 13/04/23

DAVENPORT GREEN TO ARDWICK

HULSEHEATH TO MANCHESTER AIRPORT



Legend

| | | | | |
|---|-----------------------------|---|---|--|
| Route in tunnel | Watercourse | Construction significant effects arising as a result of the current SES/AP: | Construction significant effects unchanged as a result of the current SES/AP: | For full legend please refer to TR-03 legend page. |
| Route on surface | Water body | | | |
| Depot, station, headhouse or portal building | Woodland | Adverse, permanent | Adverse, permanent | |
| Land potentially required during construction | Construction traffic routes | Adverse, temporary | Adverse, temporary | |
| Community area boundary | | Beneficial, temporary | Beneficial, temporary | |
| County boundary | | Beneficial, permanent | Beneficial, permanent | |
| District/Borough boundary | | | | |

Map Number: **TR-03-322a-R2**

Map Name: **Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES**

Community Area MA06:
Hulseheath to Manchester Airport

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Doc Number: 2PT27-MWJ-EV-MAP-M000-003729-P01

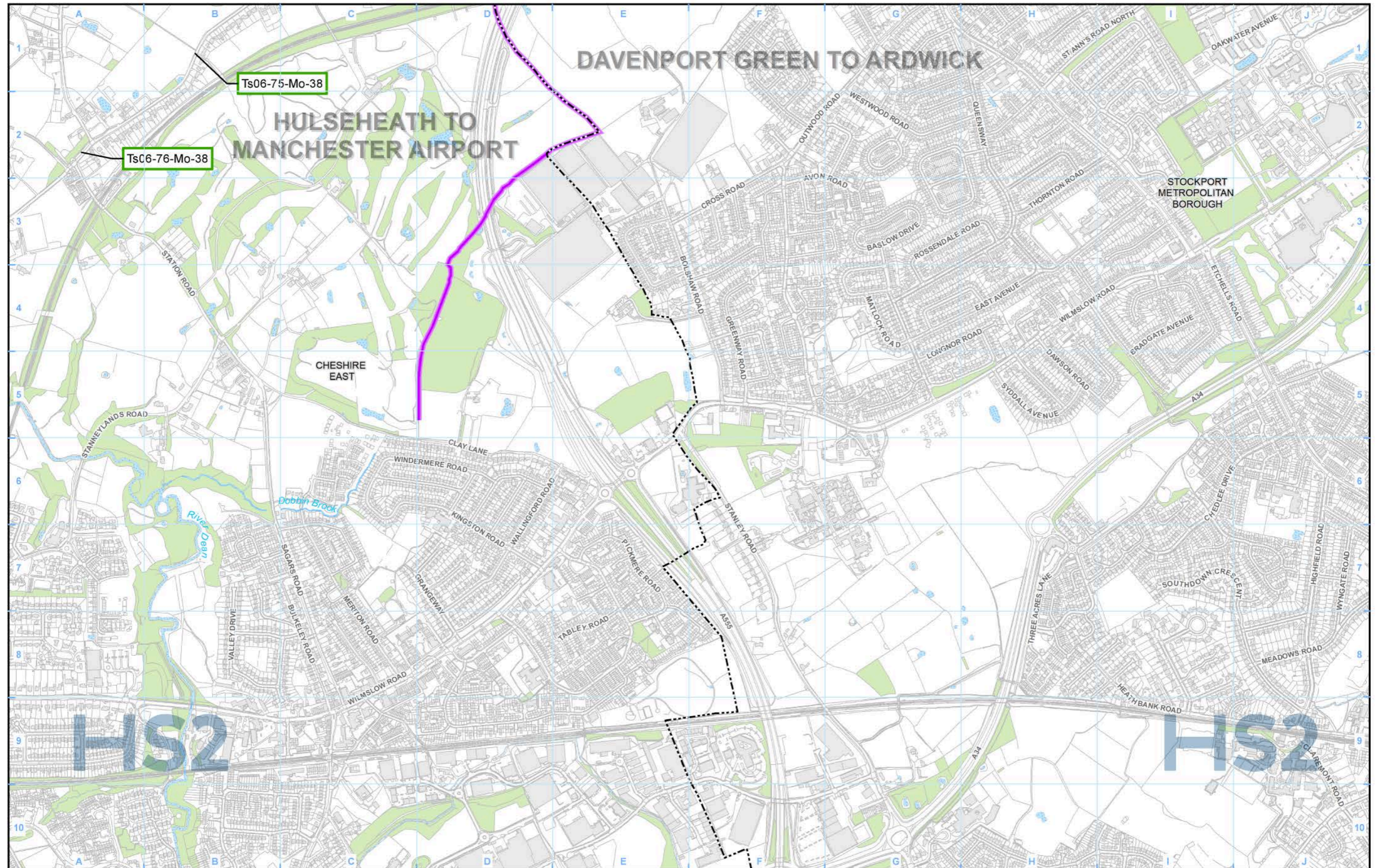
Date: 03/05/23

DAVENPORT GREEN TO ARDWICK

HULSEHEATH TO MANCHESTER AIRPORT

Ts06-75-Mo-38

TsC6-76-Mo-38



Legend

| | | | |
|--|--|---|---|
| | | Operational significant effects arising as a result of the current SES/AP: | Operational significant effects unchanged as a result of the current SES/AP: |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

For full legend please refer to TR-04 legend page.

Map Number TR-04-322a-R2

Map Name
Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES

Community Area MA06:
Hulseheath to Manchester Airport

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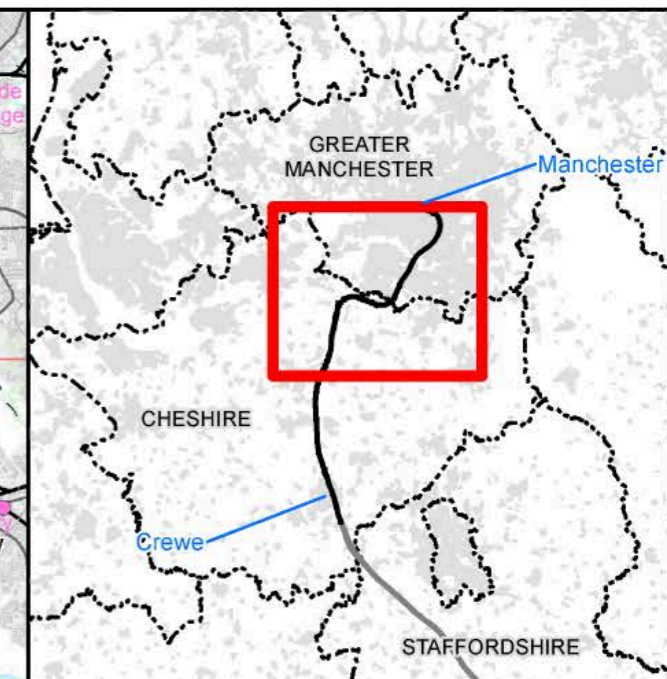
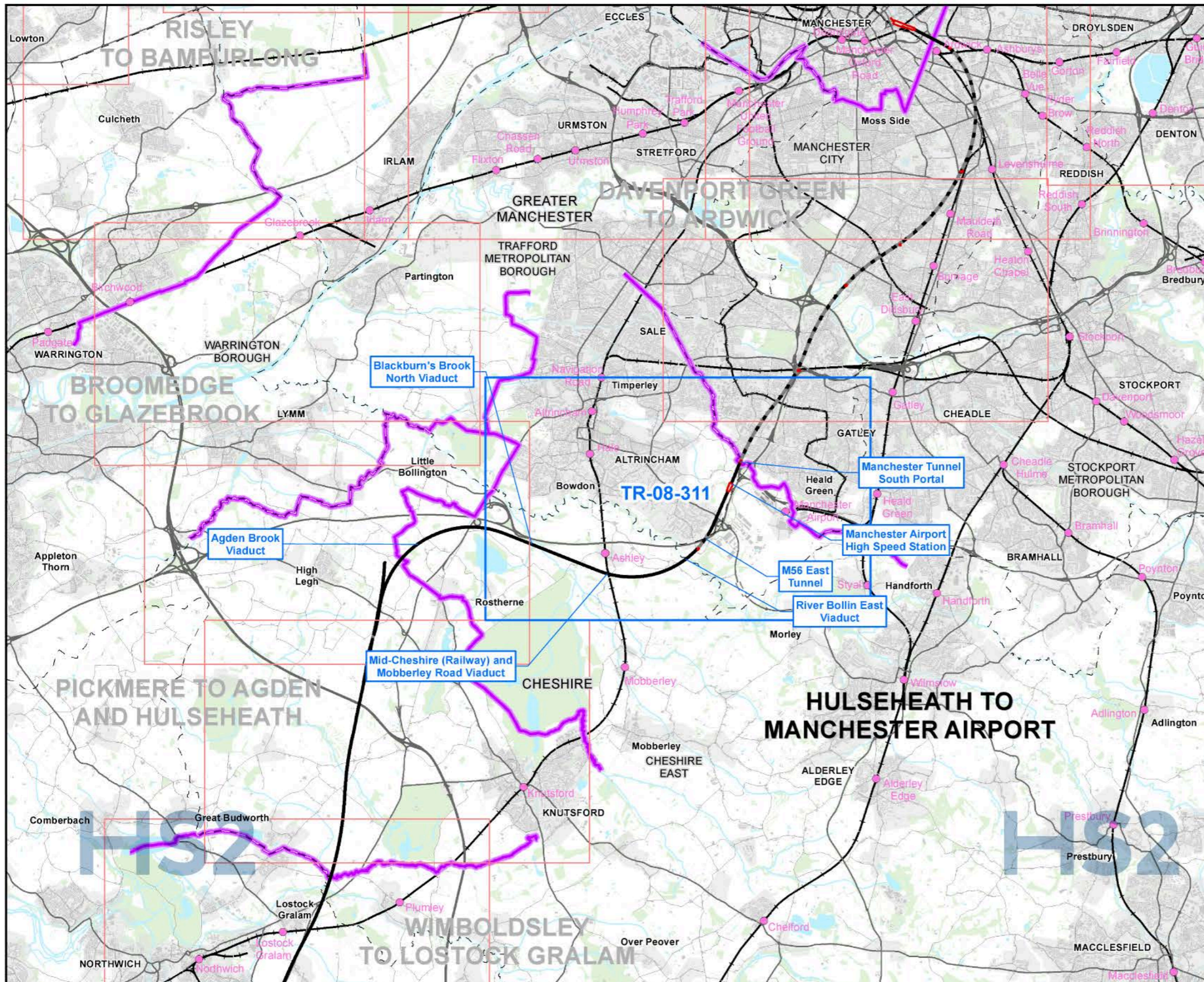
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Doc Number: 2PT27-MWJ-EV-MAP-M000-003754-P01

Date: 13/04/23



Map Series Information:

This map series identifies the construction routes to the strategic network for each CA. This shows the construction and site-haul routes from each compound and the through routes for both construction and site-haul. The maps also show the locations of the construction compound.

- Main Map Legend**
- Route in tunnel; Underground Box
 - 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: TR-08-INDEX-MA06

Map Name: Index Map of: Construction Routes to the Strategic Network SES2 and AP2 ES

Community Area MA06: Hulseheath to Manchester Airport

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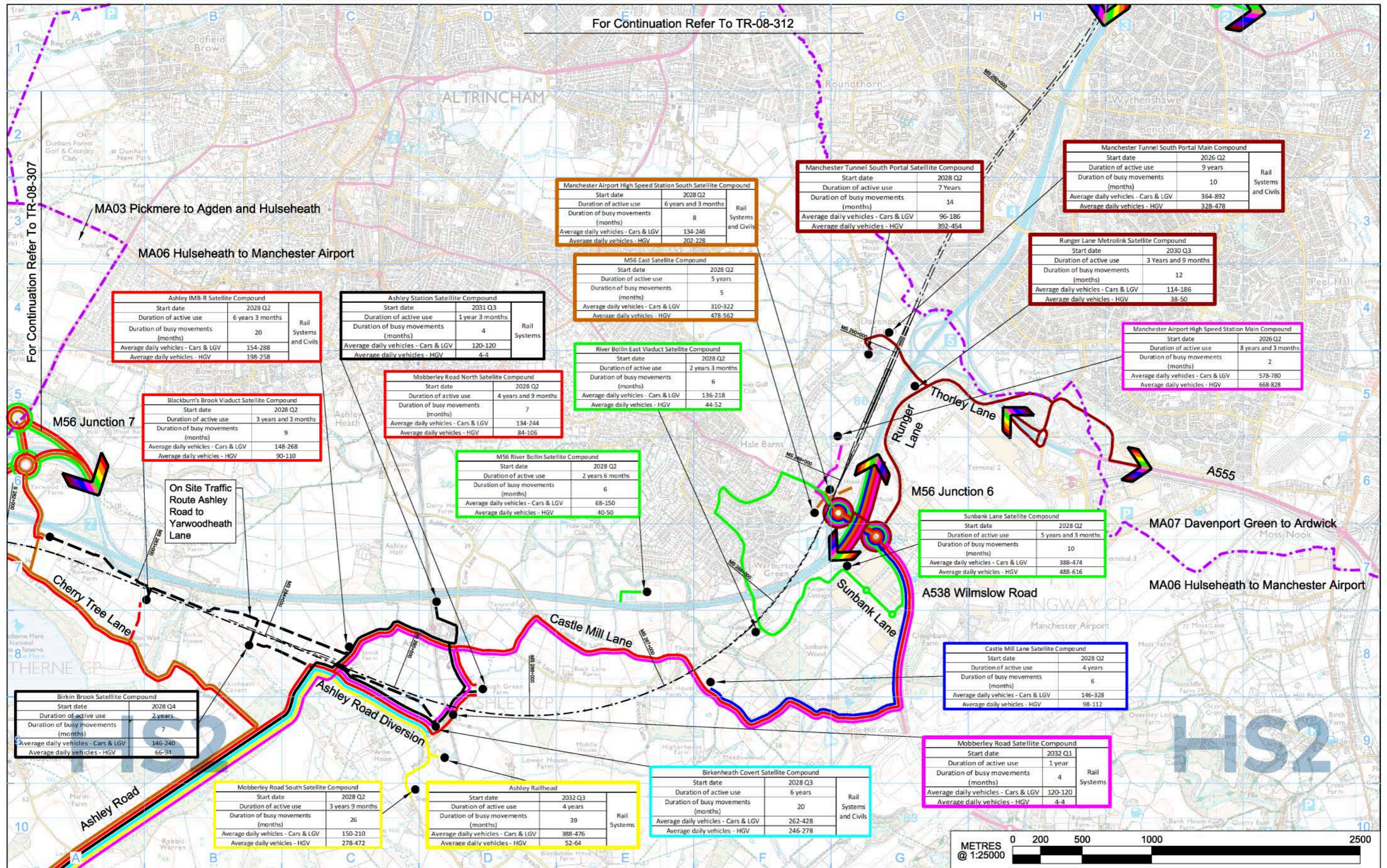
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Doc Number: 2PT27-MWJ-EV-MAP-M000-002240-P01

Date: 29/03/23

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



| Ashley IMB-R Satellite Compound | | |
|-------------------------------------|------------------|-------------------------|
| Start date | 2028 Q2 | |
| Duration of active use | 6 years 3 months | Rail Systems and Civils |
| Duration of busy movements (months) | 20 | |
| Average daily vehicles - Cars & LGV | 154-288 | |
| Average daily vehicles - HGV | 198-258 | |

| Ashley Station Satellite Compound | | |
|-------------------------------------|-----------------|--------------|
| Start date | 2031 Q3 | |
| Duration of active use | 1 year 3 months | Rail Systems |
| Duration of busy movements (months) | 4 | |
| Average daily vehicles - Cars & LGV | 120-120 | |
| Average daily vehicles - HGV | 4-4 | |

| Manchester Airport High Speed Station South Satellite Compound | | |
|--|----------------------|-------------------------|
| Start date | 2028 Q2 | |
| Duration of active use | 6 years and 3 months | Rail Systems and Civils |
| Duration of busy movements (months) | 8 | |
| Average daily vehicles - Cars & LGV | 134-246 | |
| Average daily vehicles - HGV | 202-228 | |

| Manchester Tunnel South Portal Satellite Compound | | |
|---|---------|--|
| Start date | 2028 Q2 | |
| Duration of active use | 7 Years | |
| Duration of busy movements (months) | 14 | |
| Average daily vehicles - Cars & LGV | 96-186 | |
| Average daily vehicles - HGV | 392-454 | |

| Manchester Tunnel South Portal Main Compound | | |
|--|---------|-------------------------|
| Start date | 2026 Q2 | |
| Duration of active use | 9 years | Rail Systems and Civils |
| Duration of busy movements (months) | 10 | |
| Average daily vehicles - Cars & LGV | 364-892 | |
| Average daily vehicles - HGV | 328-478 | |

| Runger Lane Metrolink Satellite Compound | | |
|--|----------------------|--|
| Start date | 2030 Q3 | |
| Duration of active use | 3 Years and 9 months | |
| Duration of busy movements (months) | 12 | |
| Average daily vehicles - Cars & LGV | 114-186 | |
| Average daily vehicles - HGV | 38-50 | |

| Manchester Airport High Speed Station Main Compound | | |
|---|----------------------|--|
| Start date | 2026 Q2 | |
| Duration of active use | 8 years and 3 months | |
| Duration of busy movements (months) | 2 | |
| Average daily vehicles - Cars & LGV | 578-780 | |
| Average daily vehicles - HGV | 668-828 | |

| Blackburn's Brook Viaduct Satellite Compound | | |
|--|----------------------|--|
| Start date | 2028 Q2 | |
| Duration of active use | 3 years and 3 months | |
| Duration of busy movements (months) | 9 | |
| Average daily vehicles - Cars & LGV | 148-268 | |
| Average daily vehicles - HGV | 90-110 | |

| Moberley Road North Satellite Compound | | |
|--|----------------------|--|
| Start date | 2028 Q2 | |
| Duration of active use | 4 years and 9 months | |
| Duration of busy movements (months) | 7 | |
| Average daily vehicles - Cars & LGV | 134-244 | |
| Average daily vehicles - HGV | 84-106 | |

| M56 East Satellite Compound | | |
|-------------------------------------|---------|--|
| Start date | 2028 Q2 | |
| Duration of active use | 5 years | |
| Duration of busy movements (months) | 5 | |
| Average daily vehicles - Cars & LGV | 310-322 | |
| Average daily vehicles - HGV | 478-562 | |

| River Bollin East Viaduct Satellite Compound | | |
|--|------------------|--|
| Start date | 2028 Q2 | |
| Duration of active use | 2 years 3 months | |
| Duration of busy movements (months) | 6 | |
| Average daily vehicles - Cars & LGV | 136-218 | |
| Average daily vehicles - HGV | 44-52 | |

| M56 River Bollin Satellite Compound | | |
|-------------------------------------|------------------|--|
| Start date | 2028 Q2 | |
| Duration of active use | 2 years 6 months | |
| Duration of busy movements (months) | 6 | |
| Average daily vehicles - Cars & LGV | 68-150 | |
| Average daily vehicles - HGV | 40-50 | |

| Sunbank Lane Satellite Compound | | |
|-------------------------------------|----------------------|--|
| Start date | 2028 Q2 | |
| Duration of active use | 5 years and 3 months | |
| Duration of busy movements (months) | 10 | |
| Average daily vehicles - Cars & LGV | 388-474 | |
| Average daily vehicles - HGV | 488-616 | |

| Castle Mill Lane Satellite Compound | | |
|-------------------------------------|---------|--|
| Start date | 2028 Q2 | |
| Duration of active use | 4 years | |
| Duration of busy movements (months) | 6 | |
| Average daily vehicles - Cars & LGV | 146-328 | |
| Average daily vehicles - HGV | 98-112 | |

| Birkin Brook Satellite Compound | | |
|-------------------------------------|---------|--|
| Start date | 2028 Q4 | |
| Duration of active use | 2 years | |
| Duration of busy movements (months) | 7 | |
| Average daily vehicles - Cars & LGV | 146-240 | |
| Average daily vehicles - HGV | 66-94 | |

| Moberley Road South Satellite Compound | | |
|--|------------------|--|
| Start date | 2028 Q2 | |
| Duration of active use | 3 years 9 months | |
| Duration of busy movements (months) | 26 | |
| Average daily vehicles - Cars & LGV | 150-210 | |
| Average daily vehicles - HGV | 278-472 | |

| Ashley Railhead | | |
|-------------------------------------|---------|--------------|
| Start date | 2032 Q3 | |
| Duration of active use | 4 years | Rail Systems |
| Duration of busy movements (months) | 39 | |
| Average daily vehicles - Cars & LGV | 388-476 | |
| Average daily vehicles - HGV | 52-64 | |

| Birkenhead Covert Satellite Compound | | |
|--------------------------------------|---------|-------------------------|
| Start date | 2028 Q3 | |
| Duration of active use | 6 years | Rail Systems and Civils |
| Duration of busy movements (months) | 20 | |
| Average daily vehicles - Cars & LGV | 262-428 | |
| Average daily vehicles - HGV | 246-278 | |

| Moberley Road Satellite Compound | | |
|-------------------------------------|---------|--------------|
| Start date | 2032 Q1 | |
| Duration of active use | 1 year | Rail Systems |
| Duration of busy movements (months) | 4 | |
| Average daily vehicles - Cars & LGV | 120-120 | |
| Average daily vehicles - HGV | 4-4 | |



Legend

- Compound Traffic Routes
- Site Haul to Compound
- Through Construction Traffic Routes (To/From Other Scheme Compounds)
- HS2 Route
- Onward Construction Routes
- Community Area boundary
- Through Site Haul to Compound (To/From Other Scheme Compounds)
- Movement of Excavated Material
- Construction Compounds

The compound start dates and estimated duration of active use are based on the Indicative Construction Programme included in the volume 2 Community Area reports. Traffic figures represent two way trips.

Rail system compounds are shown where they are likely to generate more than 24 HGV movements a day in the peak month (average two-way) or are associated with a construction civil engineering works compound
For TR08 drawing route see 2D301-MWJ-TM-DPL-M002-300000

Map Number: **TR-08-311**

Map Name: **Construction Routes to the Strategic Road Network**

Community Area: **MA06 Hulseheath to Manchester Airport**

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High Speed Rail (Crewe – Manchester)

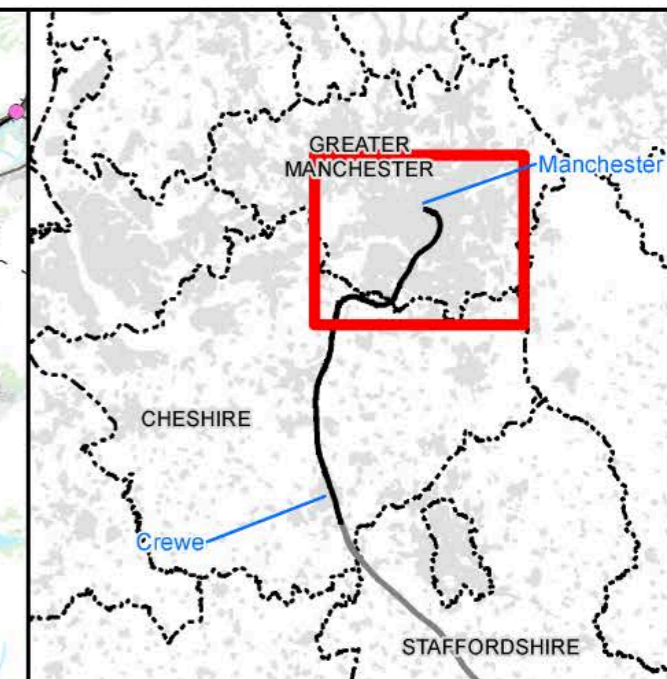
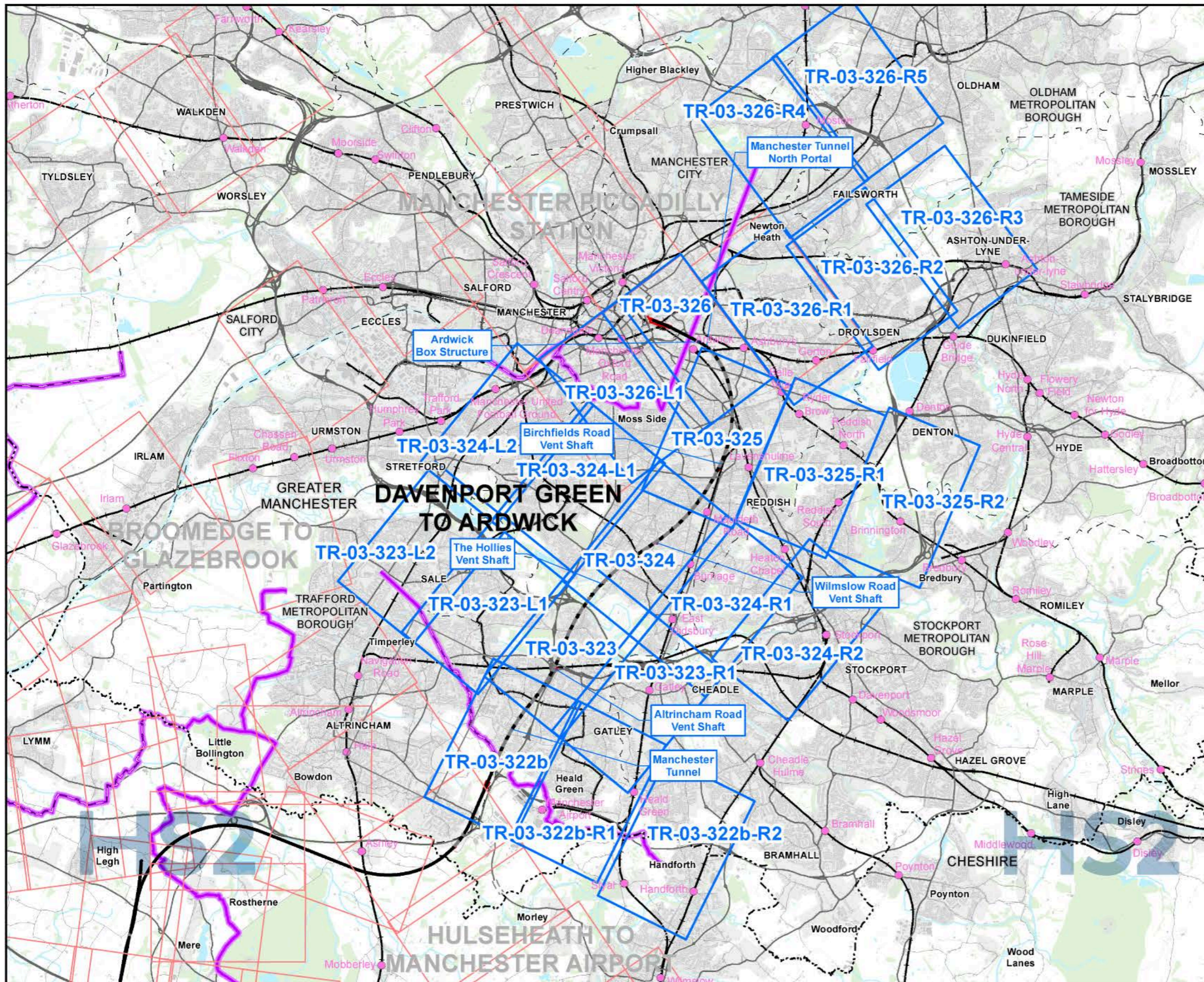
Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

MA07: Davenport Green to Ardwick

TR-03 - Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes

TR-04 - Significant Residual Transport Effects Arising from Operation

TR-08 - Construction Routes to the Strategic Network



Map Series Information:

This map series identifies the significant residual transport effects arising from construction of the Proposed Scheme and the construction traffic routes. Traffic routes are the identified routes which Heavy Goods Vehicles (HGVs) will use between compounds and the main A road/ strategic road network within each CA. The effects include those that are temporary (adverse/beneficial) from transport related impacts as a result of the Proposed Scheme on the transport network and the level of significance of those effects (minor, moderate or major).

- 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 | TR-03-INDEX-MA07 |
| Map Name | Index Map of: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA07: Davenport Green to Ardwick |

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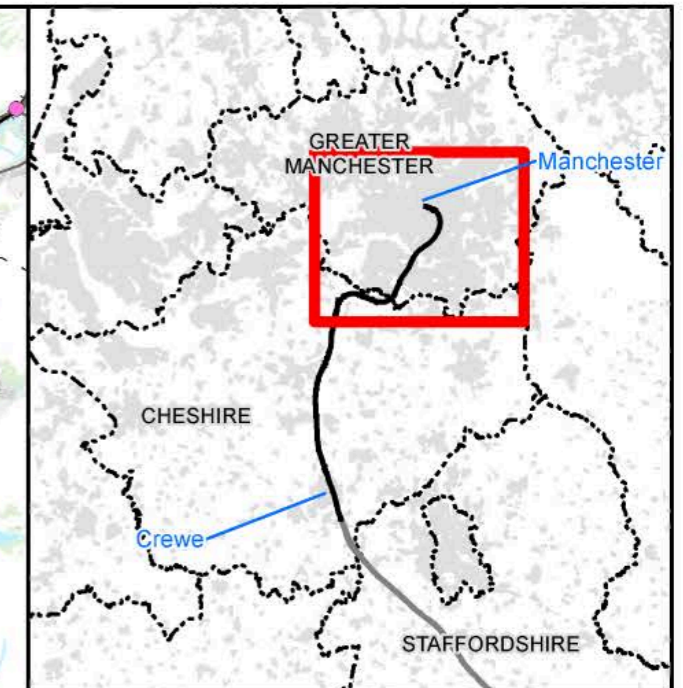
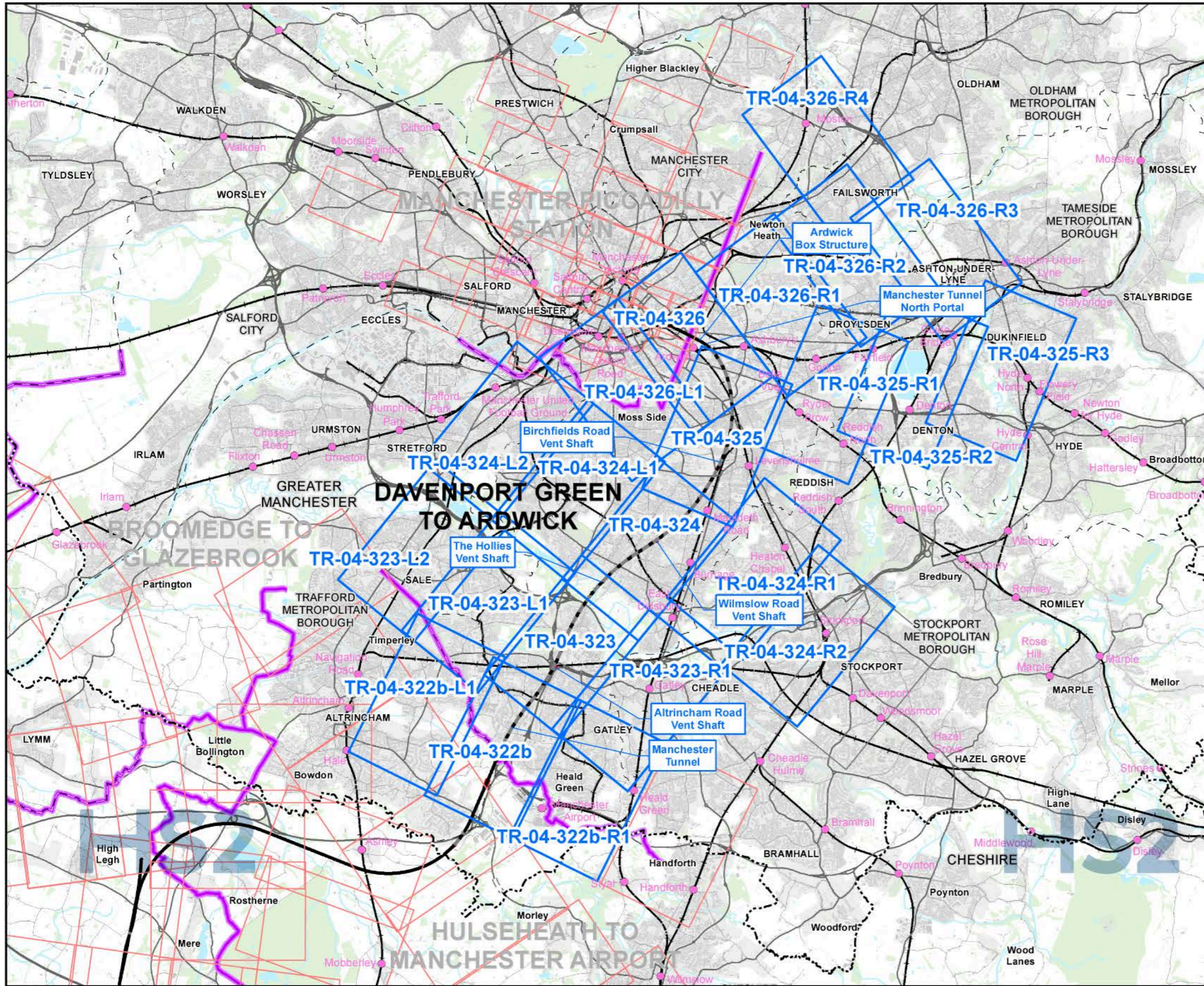
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Doc Number: 2PT27-MWJ-EV-MAP-M000-002184-P01 Date: 03/05/23

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



Map Series Information:

This map series identifies the significant residual transport effects during the operation of HS2 for each CA. The effects include those that are permanent (adverse/beneficial) from transport-related impacts as a result of the AP2 revised scheme (and mitigation) on the existing transport network and the level of significance of those effects (minor, moderate or major) for the two forecast years 2039 (Opening Year) and 2051 (Design Year).

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 | TR-04-INDEX-MA07 |
| Map Name | Index Map of: Significant Residual Transport Effects Arising from Operation SES2 and AP2 ES Community Area MA07: Davenport Green to Ardwick |

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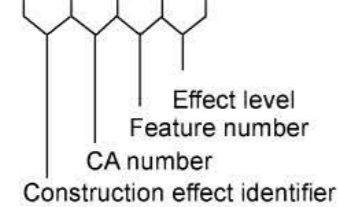
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Doc Number: 2PT27-MWJ-EV-MAP-M000-002230-P01 **Date:** 12/04/23

Significant effect label:

Significant effect reference:

PT01-01-Mi



Construction effect identifier:

- PT - Public transport delay
- D - Disruption at stations / interchanges
- Tc - Traffic congestion and delays to vehicle occupants
- Td - Traffic diversion
- Ts - Traffic severance - non-motorised users
- P - Parking and loading
- V - Vulnerable road user delays, amenity and ambience
- A - Accidents and safety
- S - Severance
- W - Waterways

Effect level:

- Mi - Minor
- Mo - Moderate
- Ma - Major

Where a significant effect has been changed due to a correction to mapping produced in the main ES or previous SES/AP, the significant effect reference is suffixed with a double asterisk (**). The map now shows the correct effect.

The colour of the border around each significant effect arising from the current SES/AP and the significant effect descriptor denotes whether the effect is added or removed or there is a change to the type (i.e. adverse/beneficial) or level of effect (i.e. major/moderate/minor) in a given forecast year at the current SES/AP.

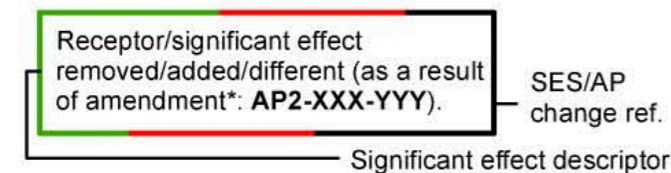
Where the colour of the border is black but the type and level of the significant effect are unchanged from those shown in the MA06-08 and ORW Community Area Map Books in the main ES or the MA01-05 Community Area Map Books in the previous SES/AP, this denotes that the current SES/AP will give rise to a different (increased/decreased) significant effect but will not change the level of significance of the effect.

Removed effect Added effect Different effect

Where there is no colour border around a label with a white background, this denotes a correction to a significant effect that was previously mapped but did not represent a significant effect within the assessment.

Significant effect descriptor:

Where the change in effect is directly attributable to a specific SES/AP change, this is denoted by the following significant effect descriptor:



Where the change in effect is caused by a combination of SES/AP changes, no significant effect descriptor is provided.

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|------------|--|
| Map Number | TR-03 - Legend |
| Map Name | TR-03 - Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes - SES2 and AP2 ES |

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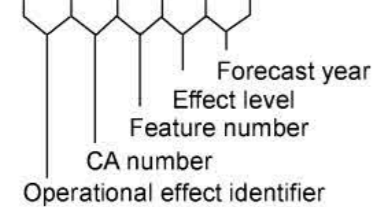
Doc Number: 2PT27-MWJ-EV-MAP-M000-004135-P01

Date: 03/05/23

Significant effect label:

Significant effect reference:

PT01-01-Mi-39



Operational effect identifier:

- PT - Public transport delay
- D - Disruption at stations / interchanges
- Tc - Traffic congestion and delays to vehicle occupants
- Td - Traffic diversion
- Ts - Traffic severance - non-motorised users
- P - Parking and loading
- V - Vulnerable road user delays, amenity and ambience
- A - Accidents and safety
- S - Severance
- W - Waterways

Effect level:

- Mi - Minor
- Mo - Moderate
- Ma - Major

Forecast year:

- 39 - Significant effect in 2039
- 51 - Significant effect in 2051
- Missing - Significant effect in both forecast years

Significant effects identified in the main ES or previous SES/AP for 2038 that are unchanged in the current SES/AP assessments are now relabelled as 2039 to reflect the change in forecast year.

Significant effects identified in the main ES for 2046 that are unchanged in the current SES/AP assessments are now relabelled as 2051 to reflect the change in forecast year.

Where a significant effect is added or changed in one or both forecast years resulting in effects of the same type (i.e. adverse/beneficial) and level (i.e. minor/moderate/major) in the same location in both forecast years in the current SES/AP, the effects are labelled separately for each forecast year but have the same feature number.

Where a significant effect has been changed due to a correction to mapping produced in the main ES or previous SES/AP, the significant effect reference is suffixed with a double asterisk (**). The map now shows the correct effect.

The colour of the border around each significant effect arising from the current SES/AP and the significant effect descriptor denotes whether the effect is added or removed or there is a change to the type (i.e. adverse/beneficial) or level of effect (i.e. major/moderate/minor) in a given forecast year at the current SES/AP.

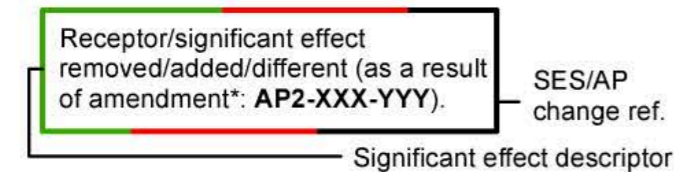
Where the colour of the border is black but the type and level of the significant effect are unchanged from those shown in the MA06-08 and ORW Community Area Map Books in the main ES or the MA01-05 Community Area Map Books in the previous SES/AP, this denotes that the current SES/AP will give rise to a different (increased/decreased) significant effect but will not change the level of significance of the effect.

- Removed effect
- Added effect
- Different effect

Where there is no colour border around a label with a white background, this denotes a feature that was previously mapped but did not represent a significant effect within the assessment.

Significant effect descriptor:

Where the change in effect is directly attributable to a specific SES/AP change, this is denoted by the following significant effect descriptor:



Where the change in effect is caused by a combination of SES/AP changes, no significant effect descriptor is provided.



| | |
|------------|---|
| Map Number | TR-04 - Legend |
| Map Name | Significant Residual Transport Effects Arising from Operation SES2 and AP2 ES |

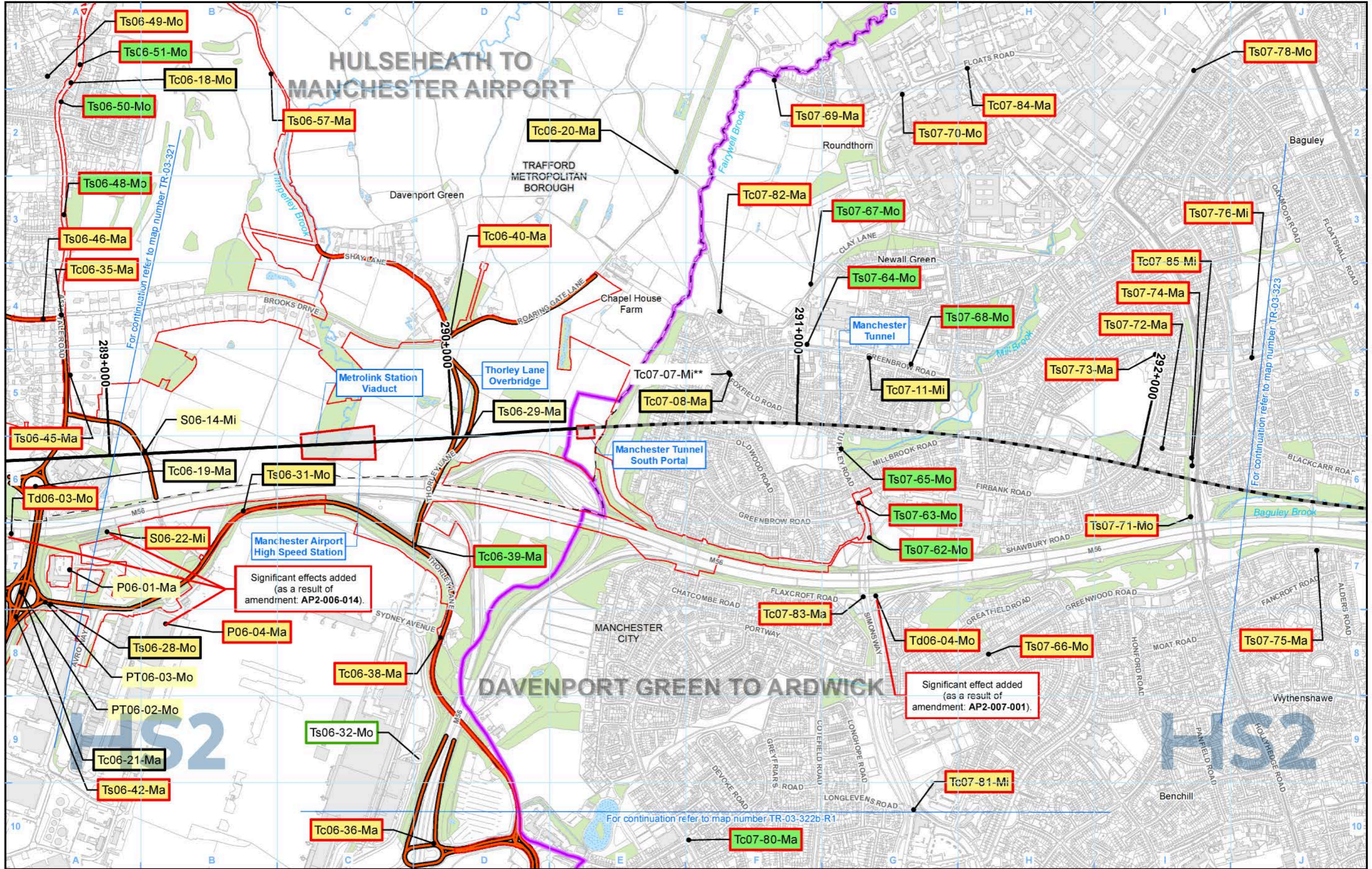
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HULSEHEATH TO MANCHESTER AIRPORT

DAVENPORT GREEN TO ARDWICK



Significant effects added (as a result of amendment: AP2-006-014).

Significant effect added (as a result of amendment: AP2-007-001).

- 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
- Construction traffic routes

- Construction significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

- Construction significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-03 legend page.

Map Number: TR-03-322b

Map Name: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES

Community Area MA07: Davenport Green to Ardwick

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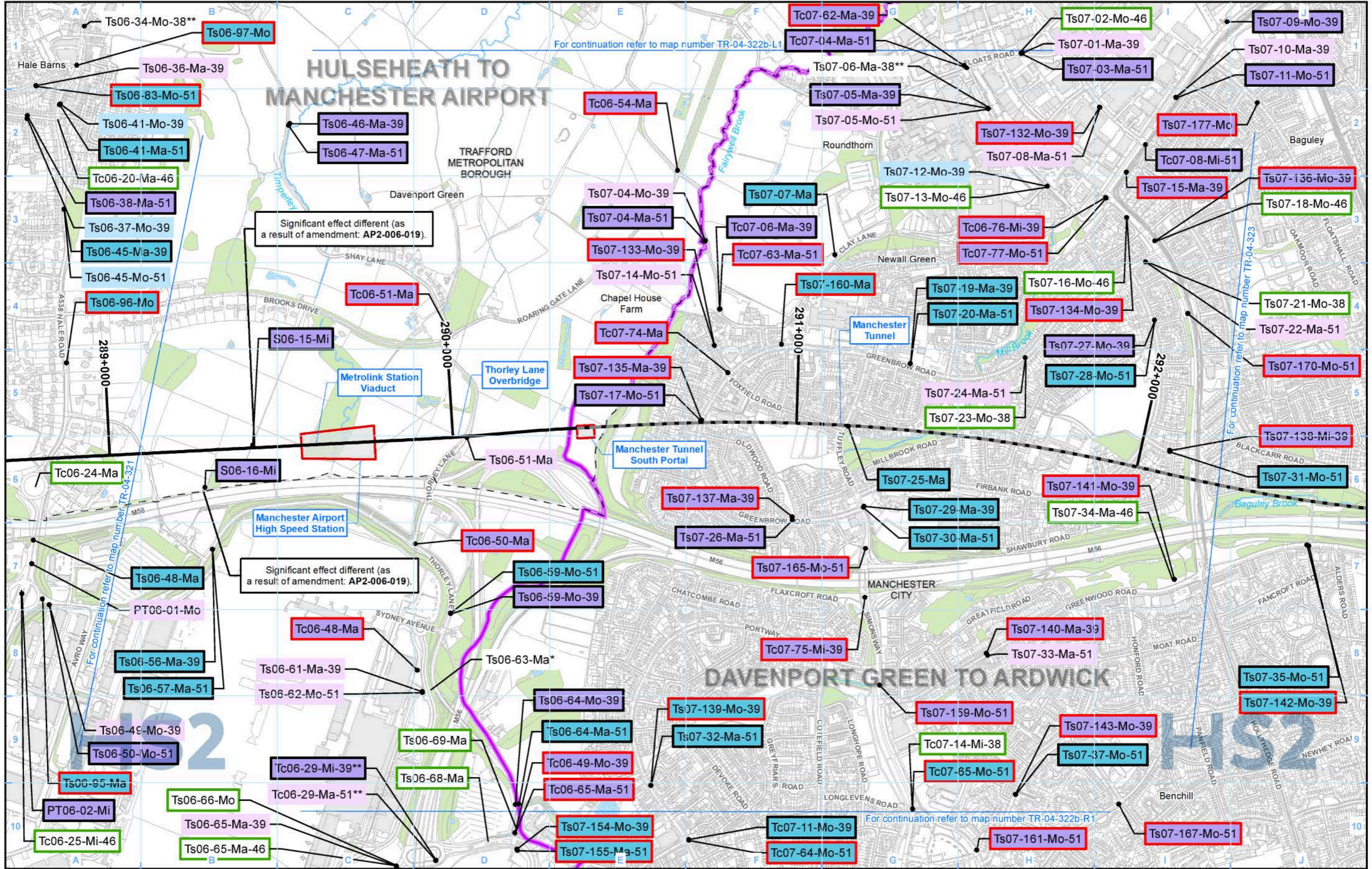
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Doc Number: 2PT27-MWJ-EV-MAP-M000-002169-P01

Date: 03/05/23

HULSEHEATH TO MANCHESTER AIRPORT

DAVENPORT GREEN TO ARDWICK



- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary
 - Watercourse
 - Water body
 - Woodland

- Operational significant effects arising as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-322b

Map Name: Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES

Community Area MA07: Davenport Green to Ardwick

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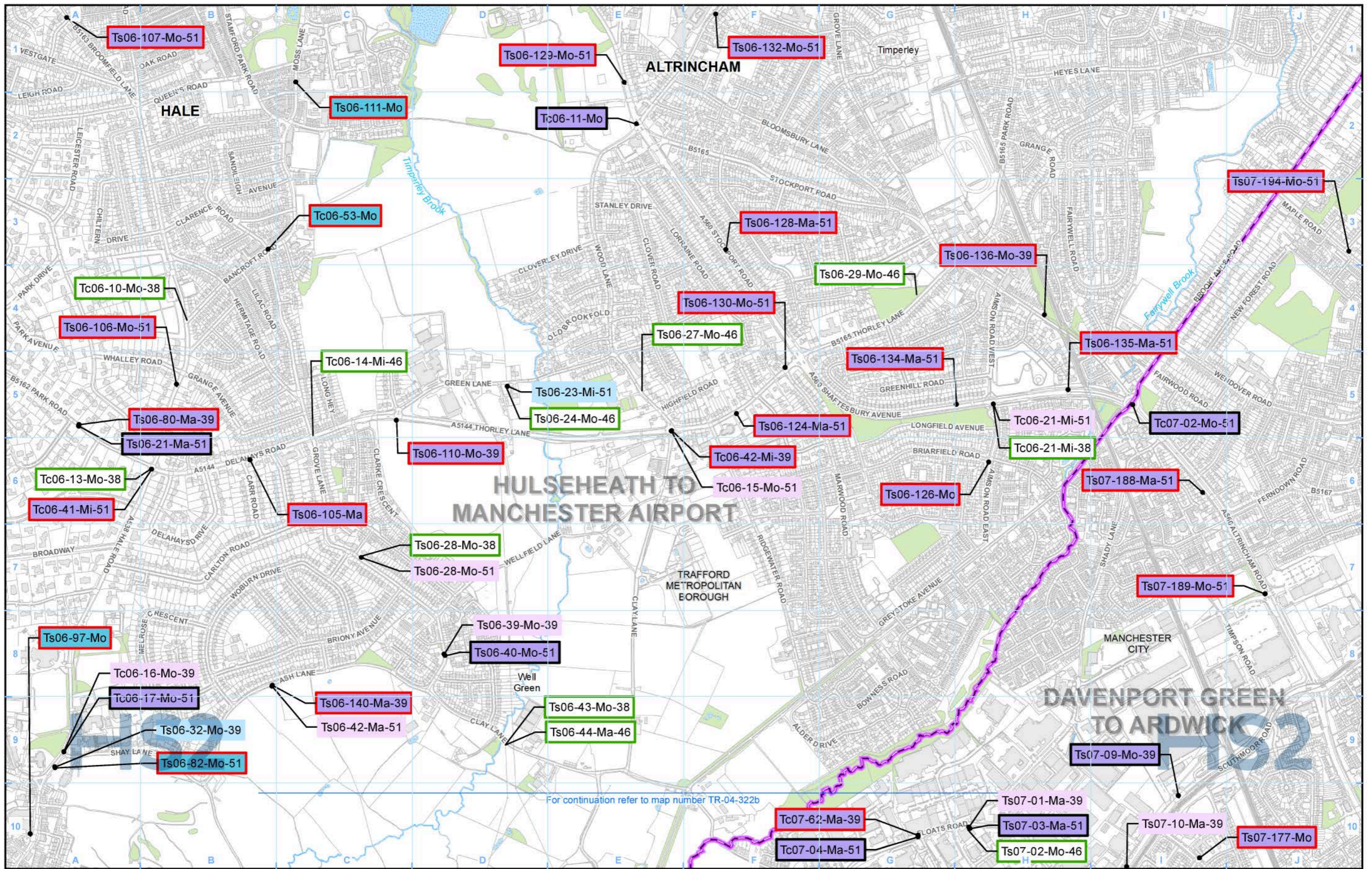
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Doc Number: 2PT27-MWJ-EV-MAP-M000-002215-P01

Date: 13/04/23

Scale at A3: 1:10,000

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- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary
 - Watercourse
 - Water body
 - Woodland

- Operational significant effects arising as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

For continuation refer to map number TR-04-322b

Map Number: TR-04-322b-L1

Map Name: Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES

Community Area MA07: Davenport Green to Ardwick

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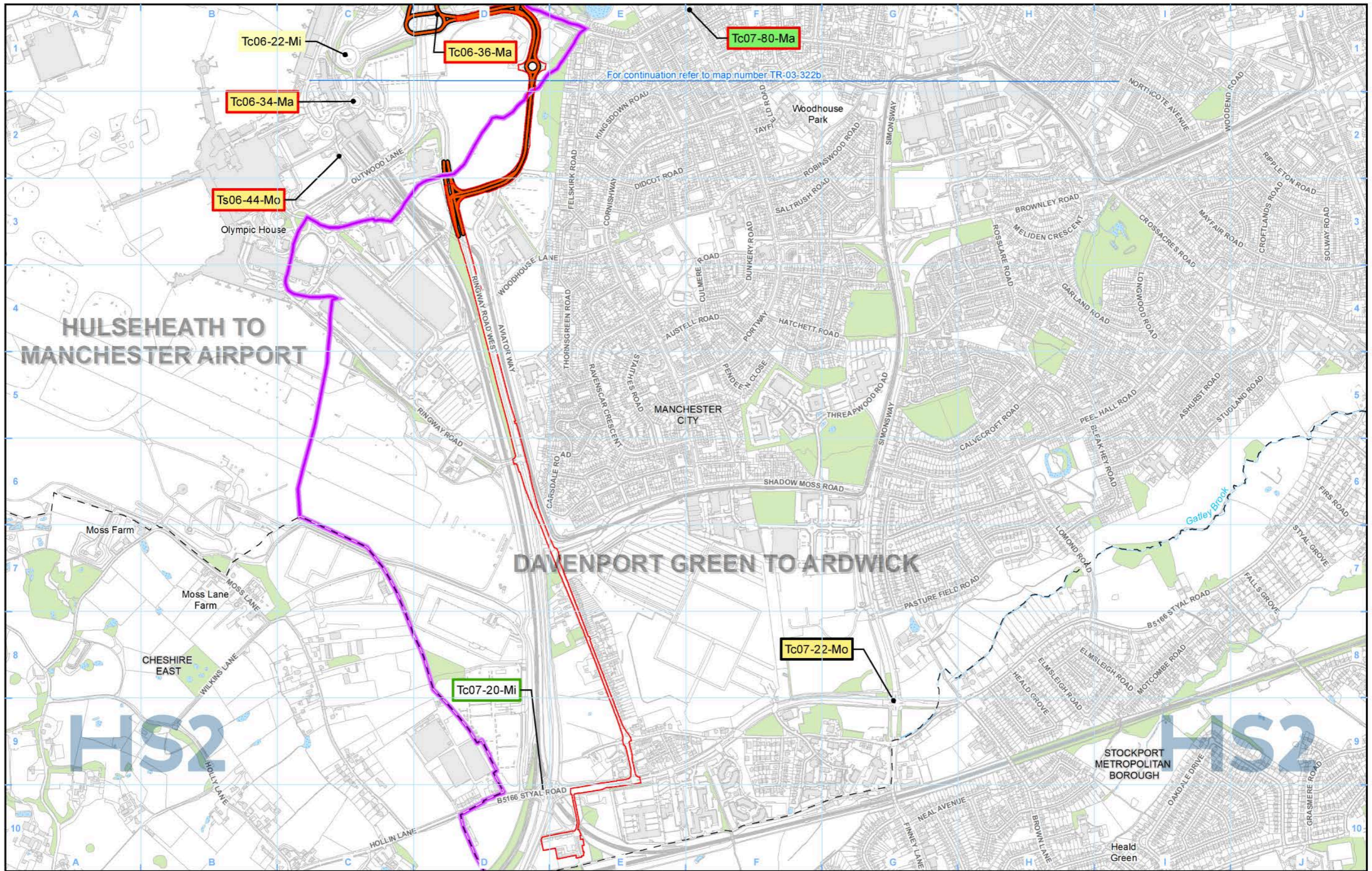
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Date: 13/04/23



For continuation refer to map number TR-03-322b

HULSEHEATH TO MANCHESTER AIRPORT

DAVENPORT GREEN TO ARDWICK

Legend

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

| | | | |
|--|-----------------------|--|-----------------------|
| | Adverse, permanent | | Adverse, permanent |
| | Adverse, temporary | | Adverse, temporary |
| | Beneficial, temporary | | Beneficial, temporary |
| | Beneficial, permanent | | Beneficial, permanent |

For full legend please refer to TR-03 legend page.

| | |
|----------------|--|
| Map Number | TR-03-322b-R1 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area | Community Area MA07: Davenport Green to Ardwick |

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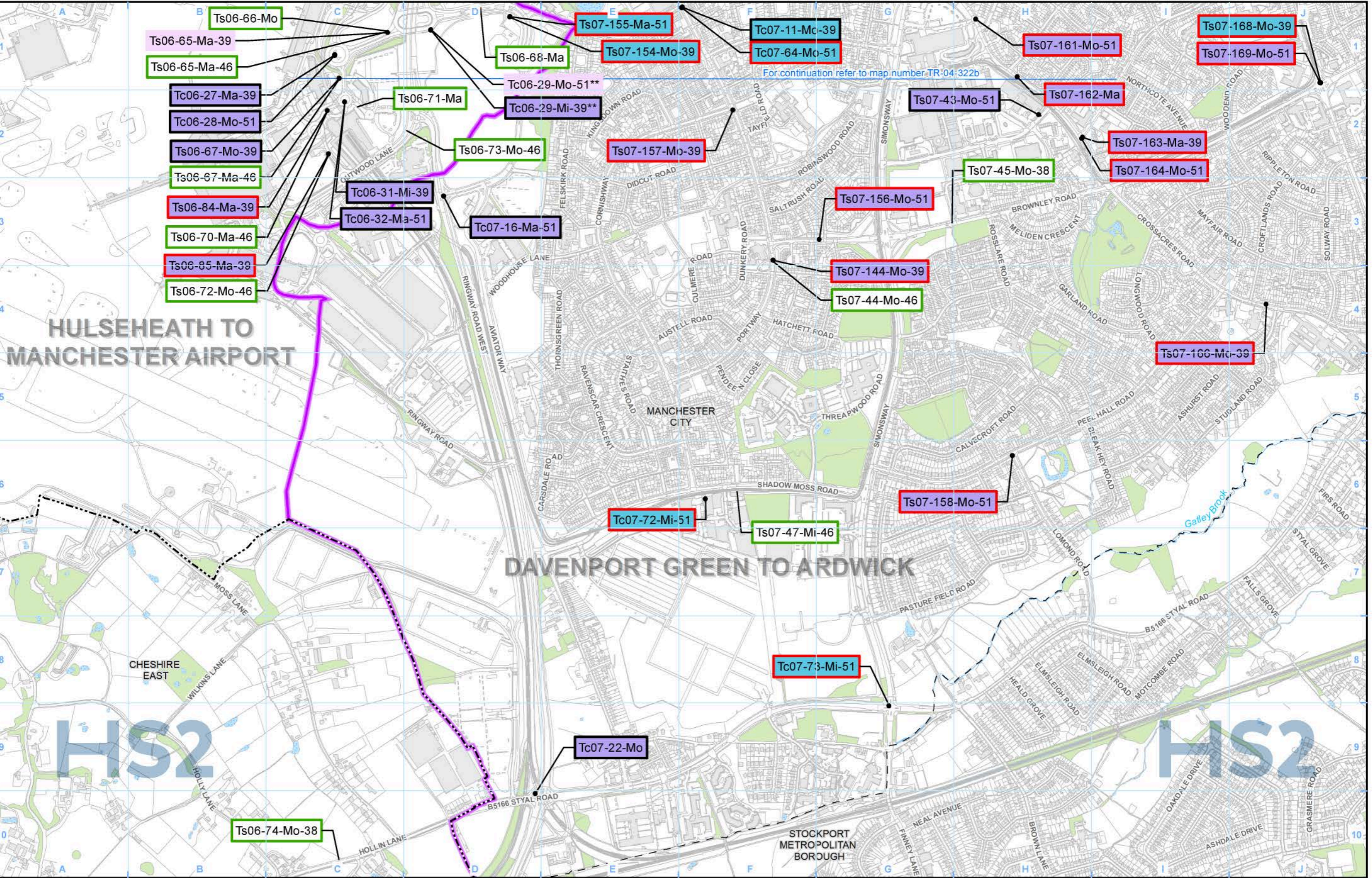
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Date: 03/05/23

Scale at A3: 1:10,000

Metres





- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland

- Operational significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-322b-R1

Map Name: Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES

Community Area MA07: Davenport Green to Ardwick

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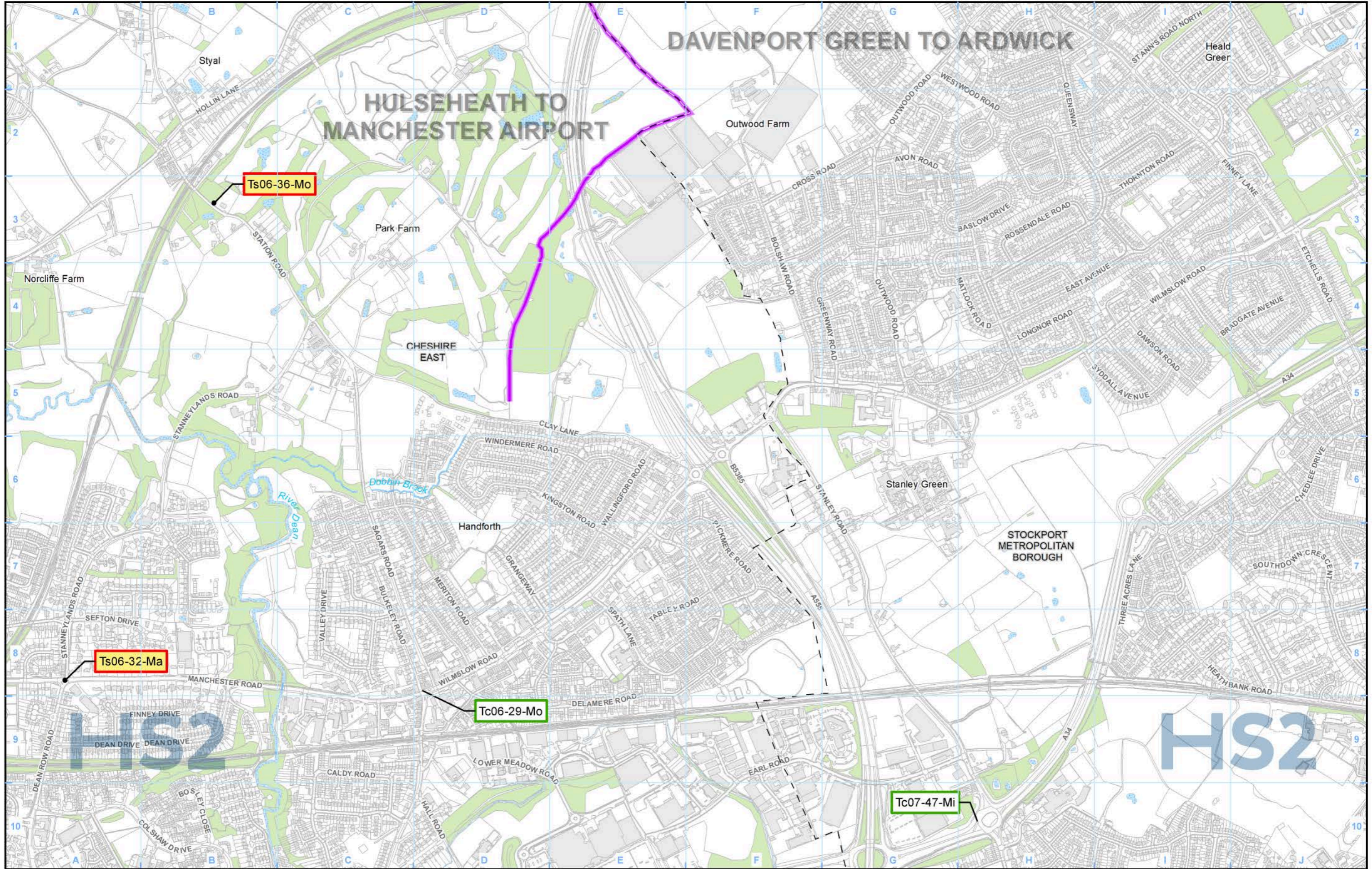
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Scale at A3: 1:10,000

Date: 13/04/23

DAVENPORT GREEN TO ARDWICK

HULSEHEATH TO MANCHESTER AIRPORT



- 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
- Construction traffic routes

- Construction significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Construction significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-03 legend page.

Map Number: **TR-03-322b-R2**

Map Name: **Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES**

Community Area MA07: **Davenport Green to Ardwick**

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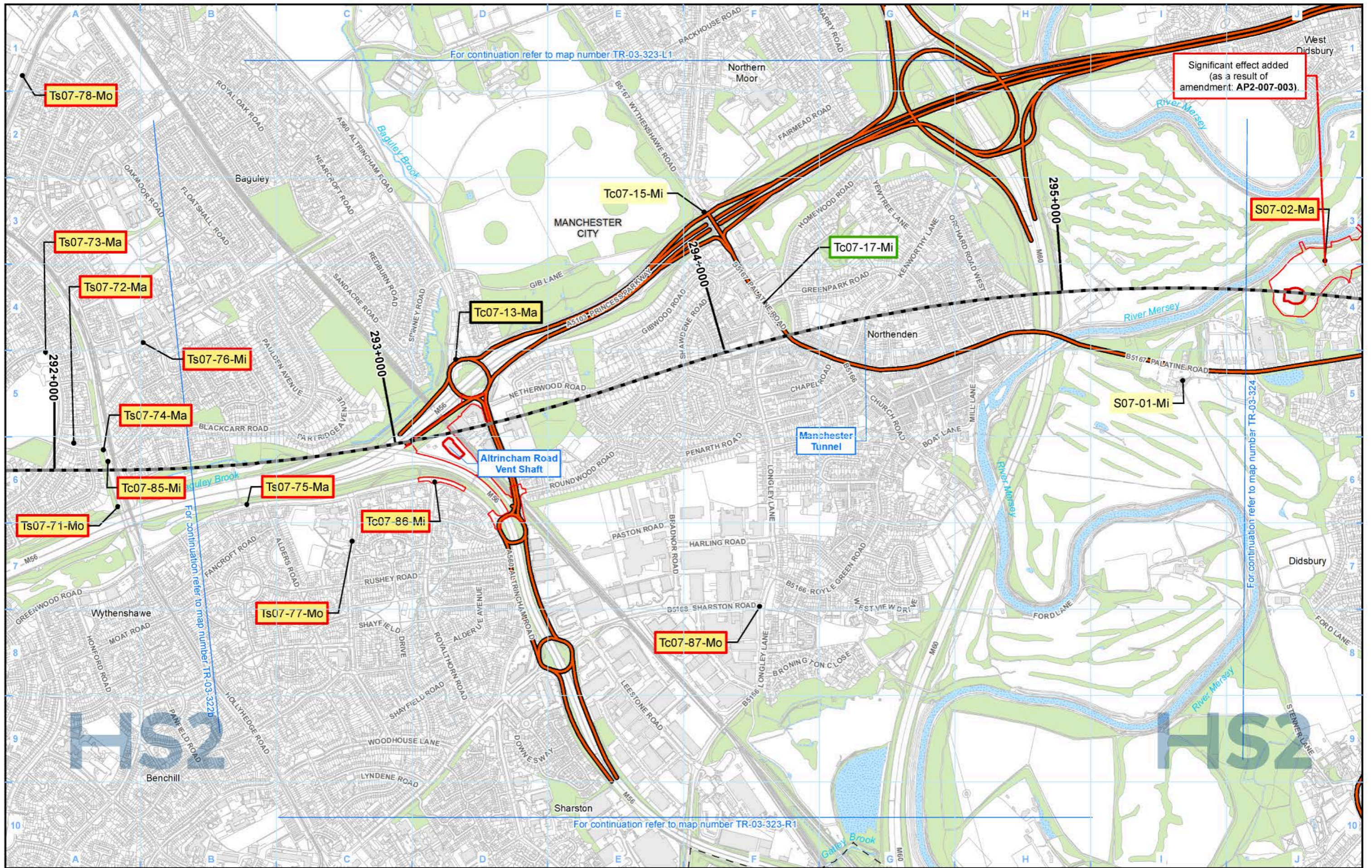
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Date: 03/05/23

Scale at A3: 1:10,000

Metres

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For continuation refer to map number TR-03-323-L1

Significant effect added (as a result of amendment: AP2-007-003).

For continuation refer to map number TR-03-324

For continuation refer to map number TR-03-323-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
- Construction traffic routes

- Construction significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Construction significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-03 legend page.

| | |
|------------|--|
| Map Number | TR-03-323 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA07: Davenport Green to Ardwick |

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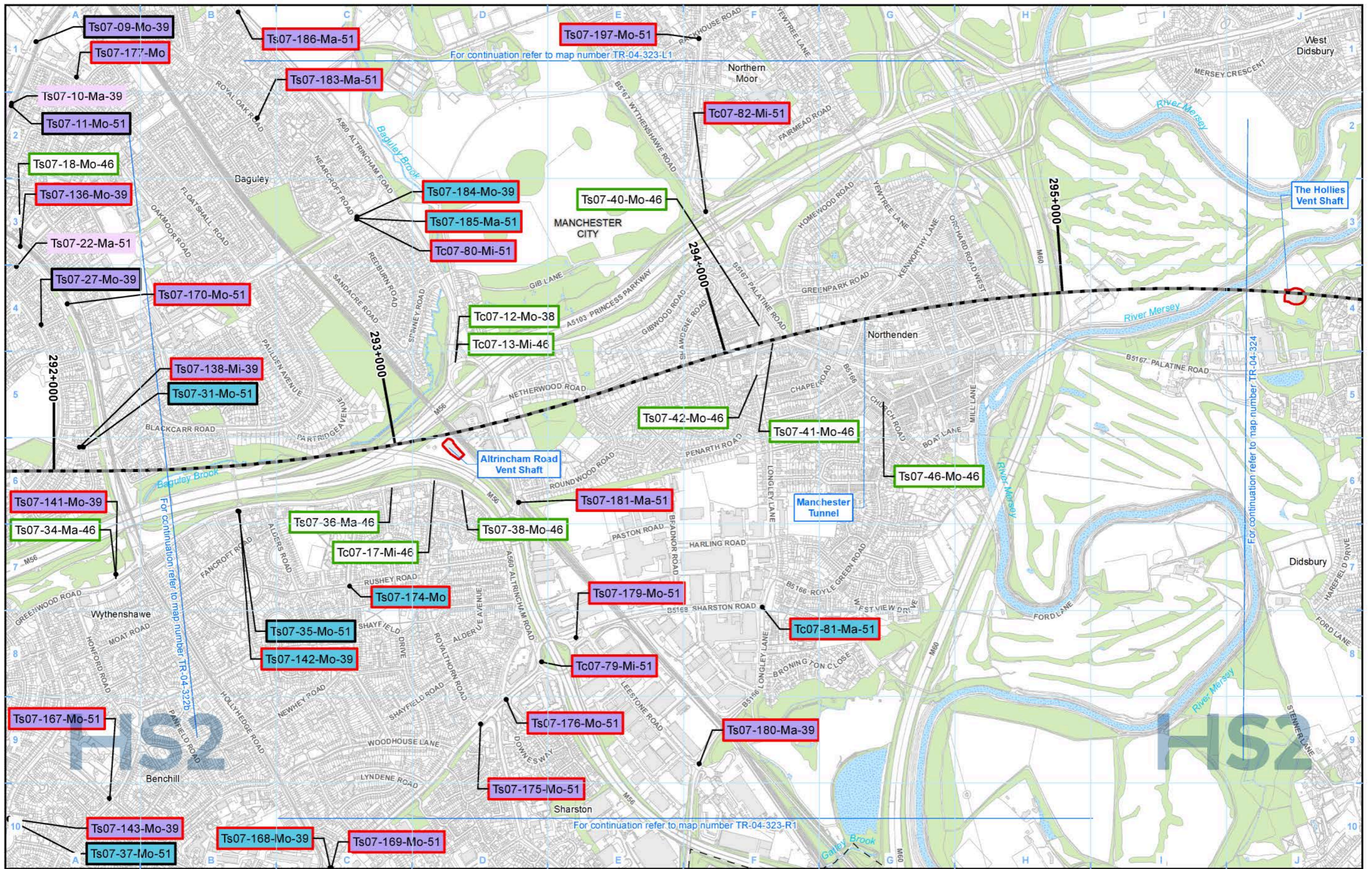
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Date: 03/05/23

Scale at A3: 1:10,000

Meters





- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary
 - Watercourse
 - Water body
 - Woodland

- Operational significant effects arising as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-323

Map Name: Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES

Community Area MA07: Davenport Green to Ardwick

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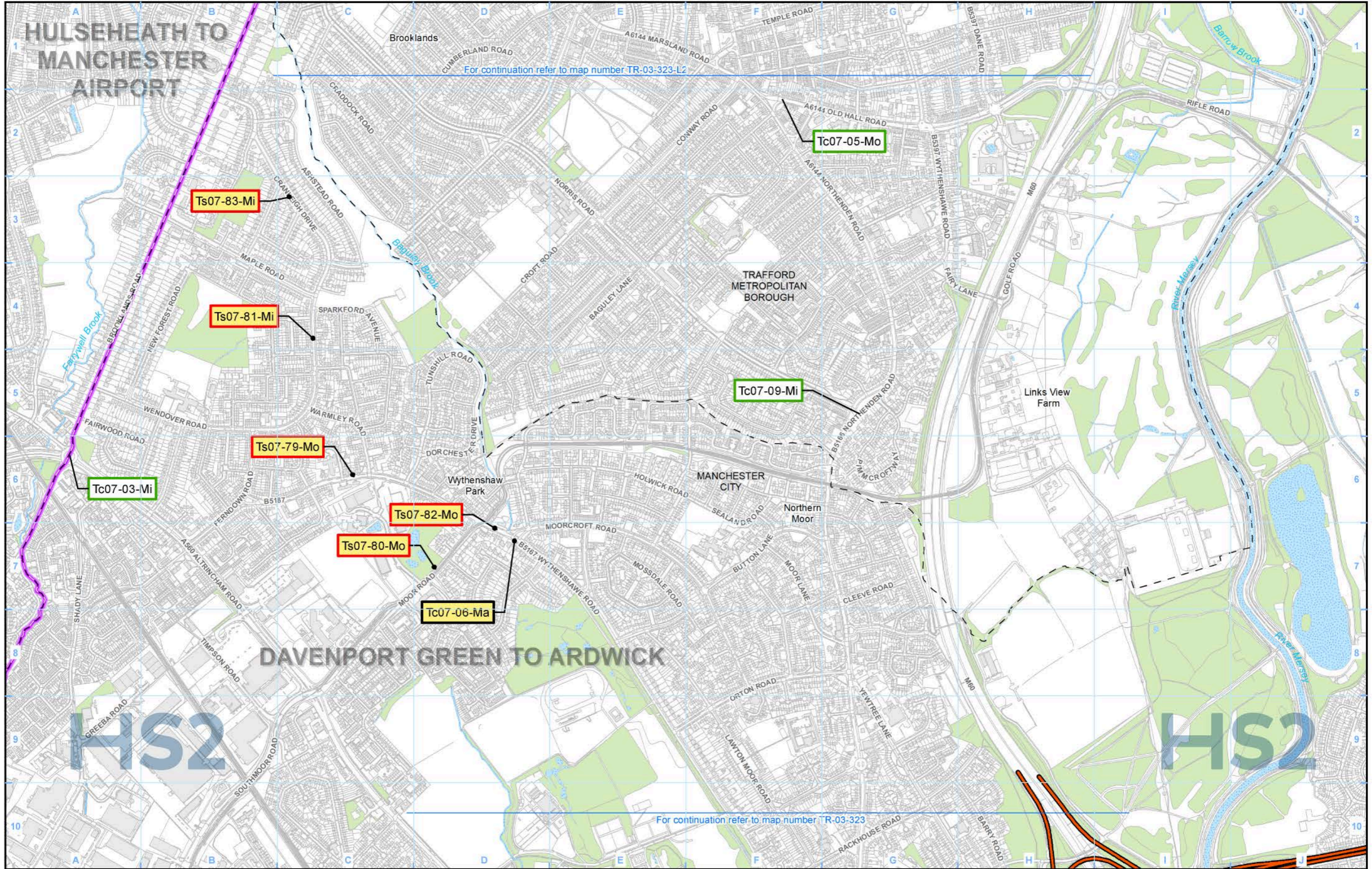
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Scale at A3: 1:10,000

Date: 13/04/23

HULSEHEATH TO MANCHESTER AIRPORT

DAVENPORT GREEN TO ARDWICK



For continuation refer to map number TR-03-323

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 |
| | Construction traffic routes |

| | | | |
|---|-----------------------|---|-----------------------|
| Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | |
| | Adverse, permanent | | Adverse, permanent |
| | Adverse, temporary | | Adverse, temporary |
| | Beneficial, temporary | | Beneficial, temporary |
| | Beneficial, permanent | | Beneficial, permanent |

For full legend please refer to TR-03 legend page.

| | |
|--|--|
| Map Number | TR-03-323-L1 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area MA07: Davenport Green to Ardwick | |

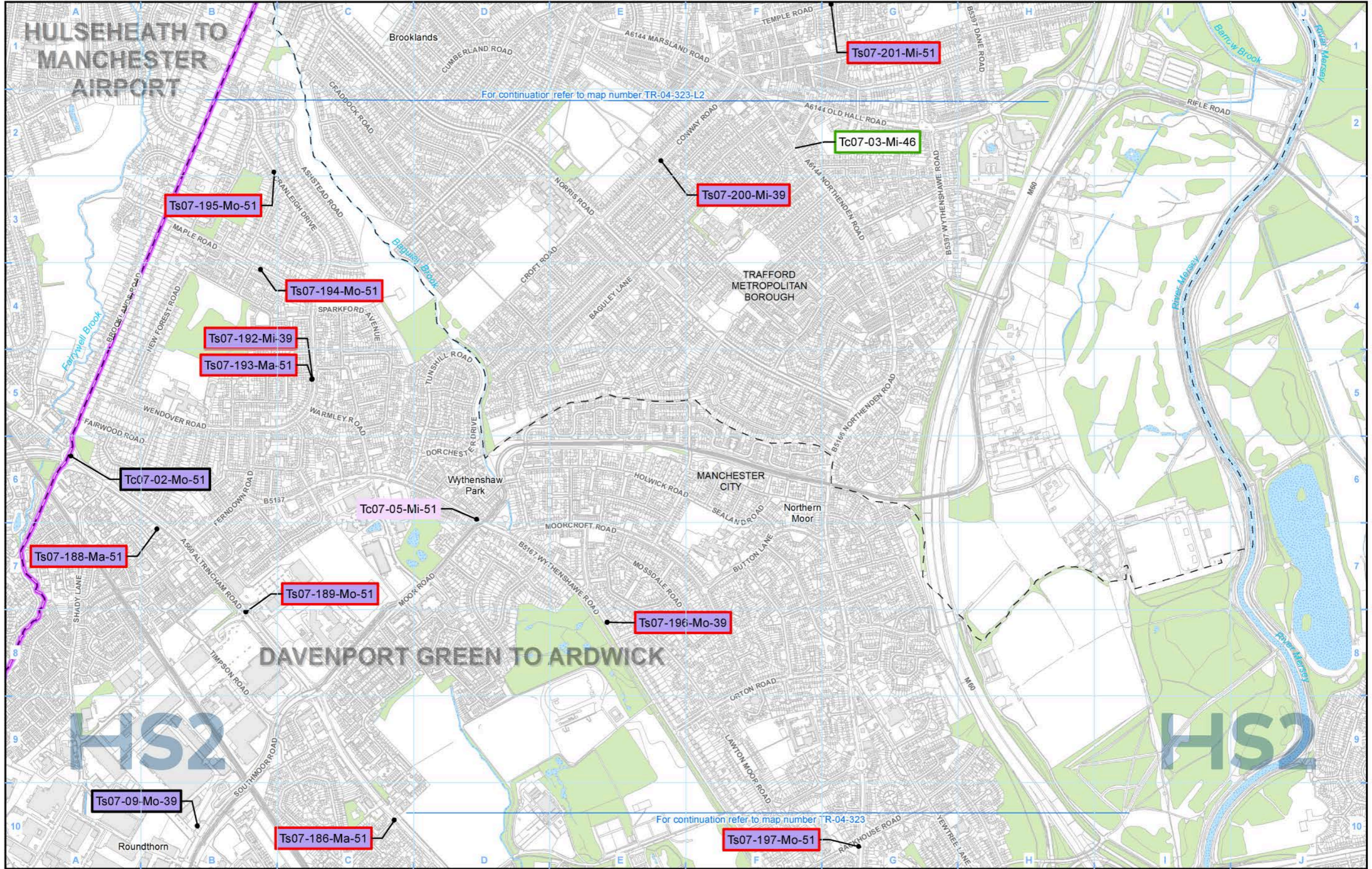
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HULSEHEATH TO MANCHESTER AIRPORT

DAVENPORT GREEN TO ARDWICK

For continuation refer to map number TR-04-323-L2

For continuation refer to map number TR-04-323



Legend

| | | | |
|--|--|--|-------------|
| | Route in tunnel | | Watercourse |
| | Route on surface | | Water body |
| | Depot, station, headhouse or portal building | | Woodland |
| | Community area boundary | | |
| | County boundary | | |
| | District/Borough boundary | | |

| Operational significant effects arising as a result of the current SES/AP: | | Operational significant effects unchanged as a result of the current SES/AP: | |
|--|-----------------------|--|-----------------------|
| | Adverse, permanent | | Adverse, permanent |
| | Adverse, temporary | | Adverse, temporary |
| | Beneficial, temporary | | Beneficial, temporary |
| | Beneficial, permanent | | Beneficial, permanent |

For full legend please refer to TR-04 legend page.

| | |
|------------|---|
| Map Number | TR-04-323-L1 |
| Map Name | Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES |
| | Community Area MA07: Davenport Green to Ardwick |

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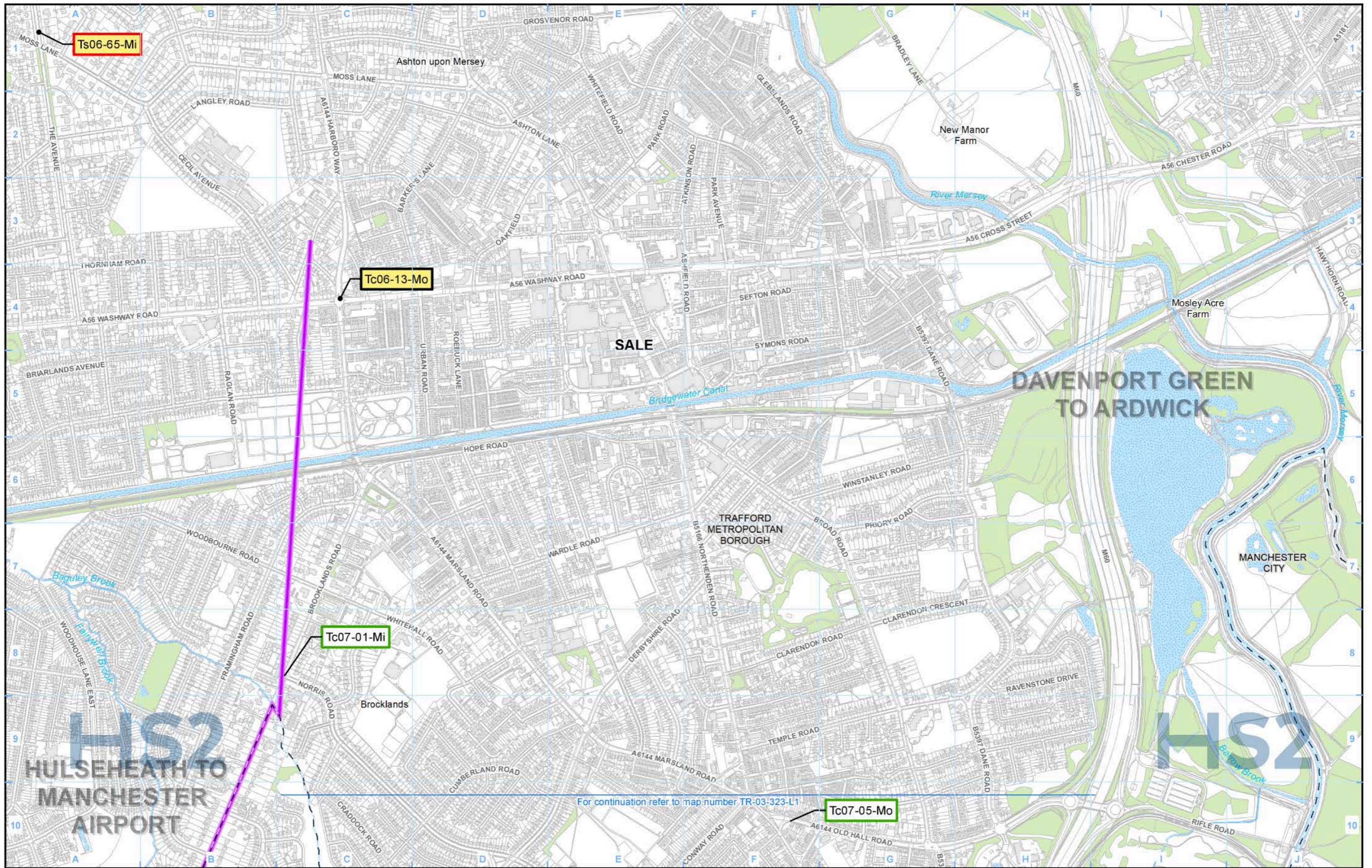
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Date: 13/04/23



| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | | For full legend please refer to TR-03 legend page. |
|--------|---|---|-----------------------|---|-----------------------|--|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent | |
| | Route on surface | | Adverse, temporary | | Adverse, temporary | |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary | |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent | |
| | Community area boundary | | | | | |
| | County boundary | | | | | |
| | District/Borough boundary | | | | | |
| | Watercourse | | | | | |
| | Water body | | | | | |
| | Woodland | | | | | |
| | Construction traffic routes | | | | | |

| | |
|--|--|
| Map Number | TR-03-323-L2 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area MA07: Davenport Green to Ardwick | |

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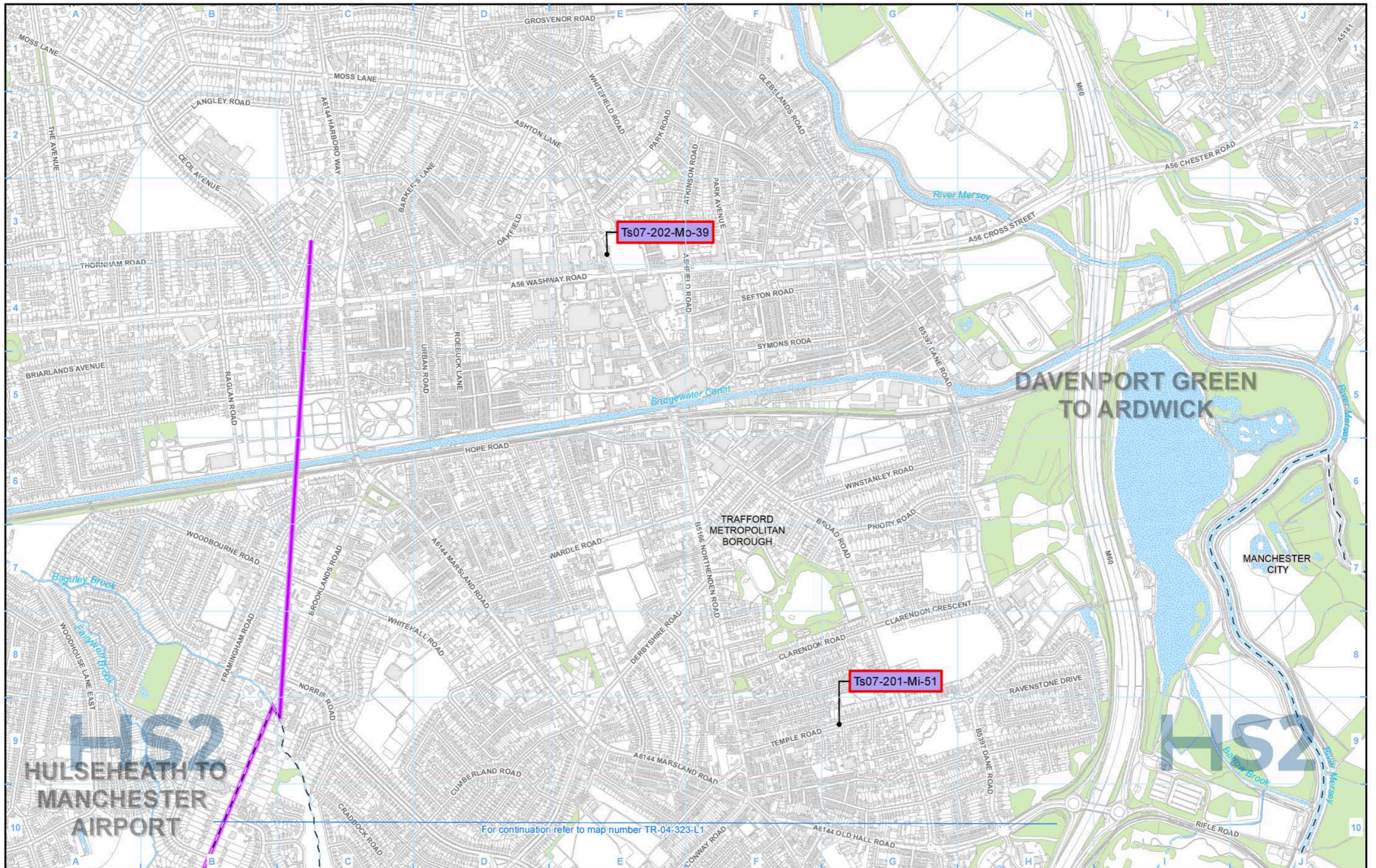
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Metres

Date: 03/05/23

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Legend

| | | | |
|--|--|--|-------------|
| | Route in tunnel | | Watercourse |
| | Route on surface | | Water body |
| | Depot, station, headhouse or portal building | | Woodland |
| | Community area boundary | | |
| | County boundary | | |
| | District/Borough boundary | | |

| | |
|---|---|
| Operational significant effects arising as a result of the current SES/AP: | Operational significant effects unchanged as a result of the current SES/AP: |
| | |
| | |
| | |
| | |

For full legend please refer to TR-04 legend page.

| | |
|------------|---|
| Map Number | TR-04-323-L2 |
| Map Name | Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES |
| | Community Area MA07: Davenport Green to Ardwick |

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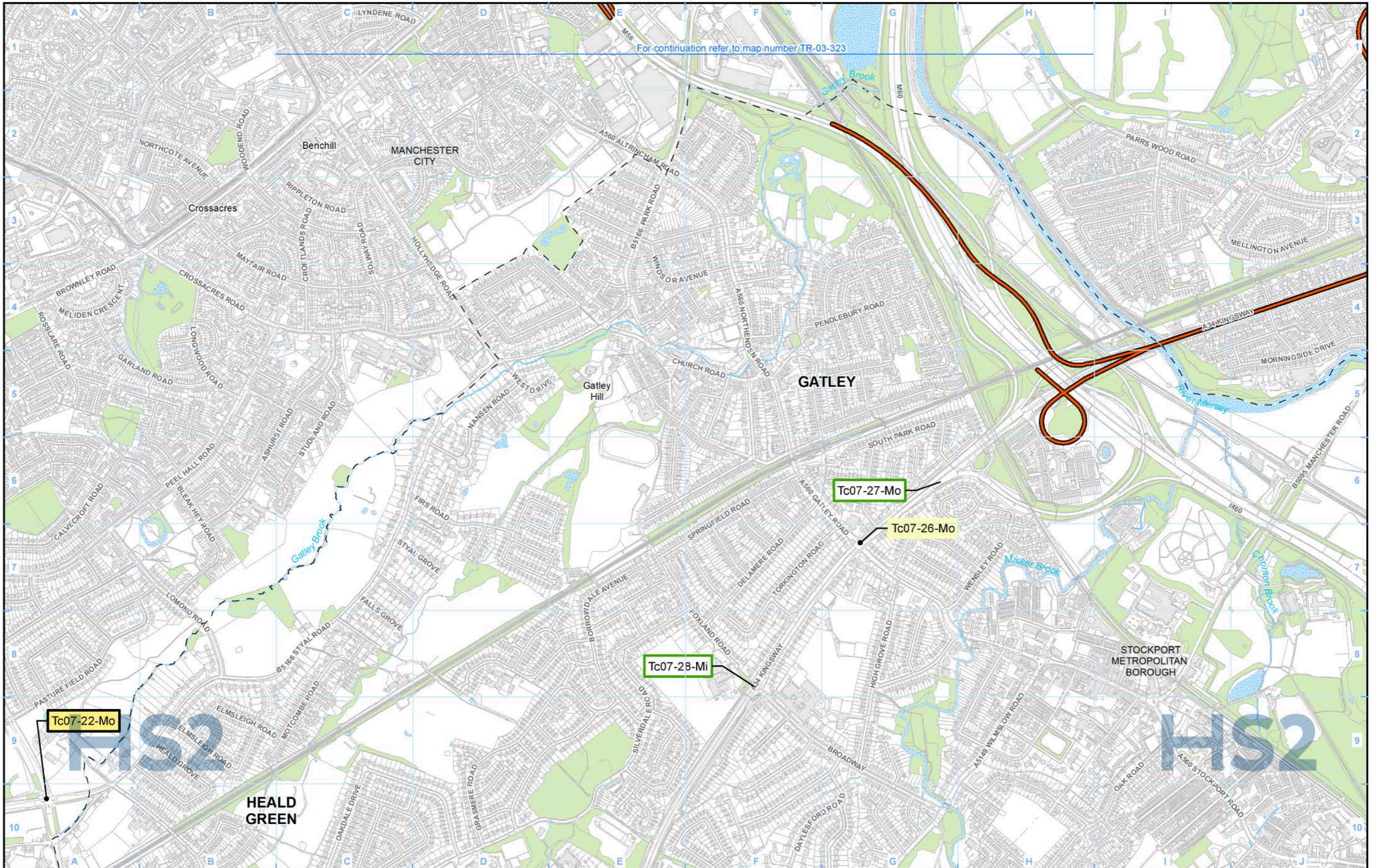
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Date: 13/04/23


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For continuation refer to map number TR-03-323



| Legend | | Construction significant effects arising as a result of the current SES/AP: | | For full legend please refer to TR-03 legend page. |
|--------|---|---|-----------------------|--|
| | Route in tunnel | | Adverse, permanent | |
| | Route on surface | | Adverse, temporary | |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | |
| | Land potentially required during construction | | Beneficial, permanent | |
| | Community area boundary | | Adverse, permanent | |
| | County boundary | | Adverse, temporary | |
| | District/Borough boundary | | Beneficial, temporary | |
| | Watercourse | | Beneficial, permanent | |
| | Water body | | | |
| | Woodland | | | |
| | Construction traffic routes | | | |

| | |
|------------|--|
| Map Number | TR-03-323-R1 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA07: Davenport Green to Ardwick |

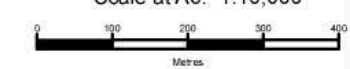


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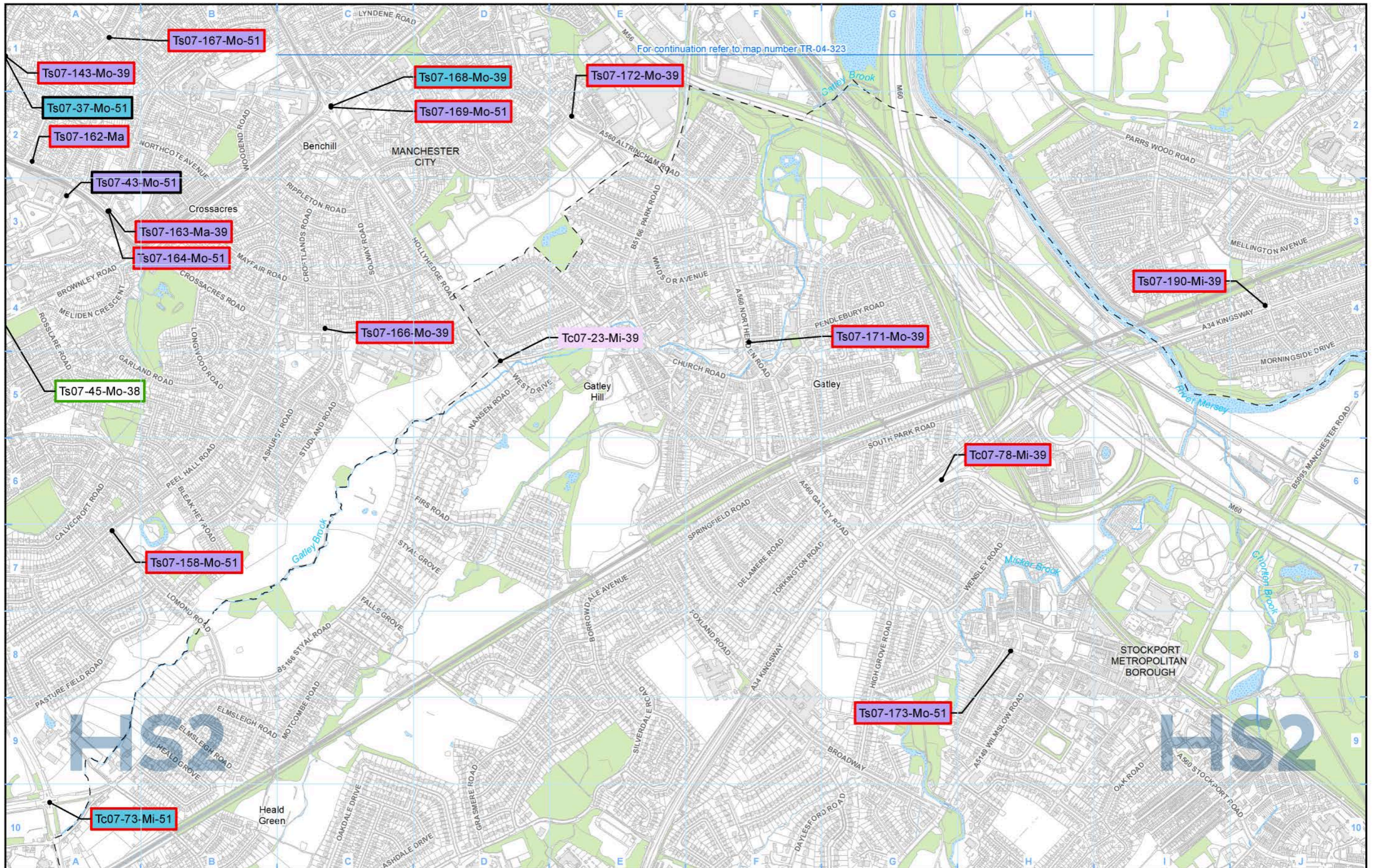


Metres



Date: 03/05/23

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For continuation refer to map number TR-04-323

- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary
 - Watercourse
 - Water body
 - Woodland

- Operational significant effects arising as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: **TR-04-323-R1**

Map Name: **Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES**

Community Area MA07: **Davenport Green to Willwick**

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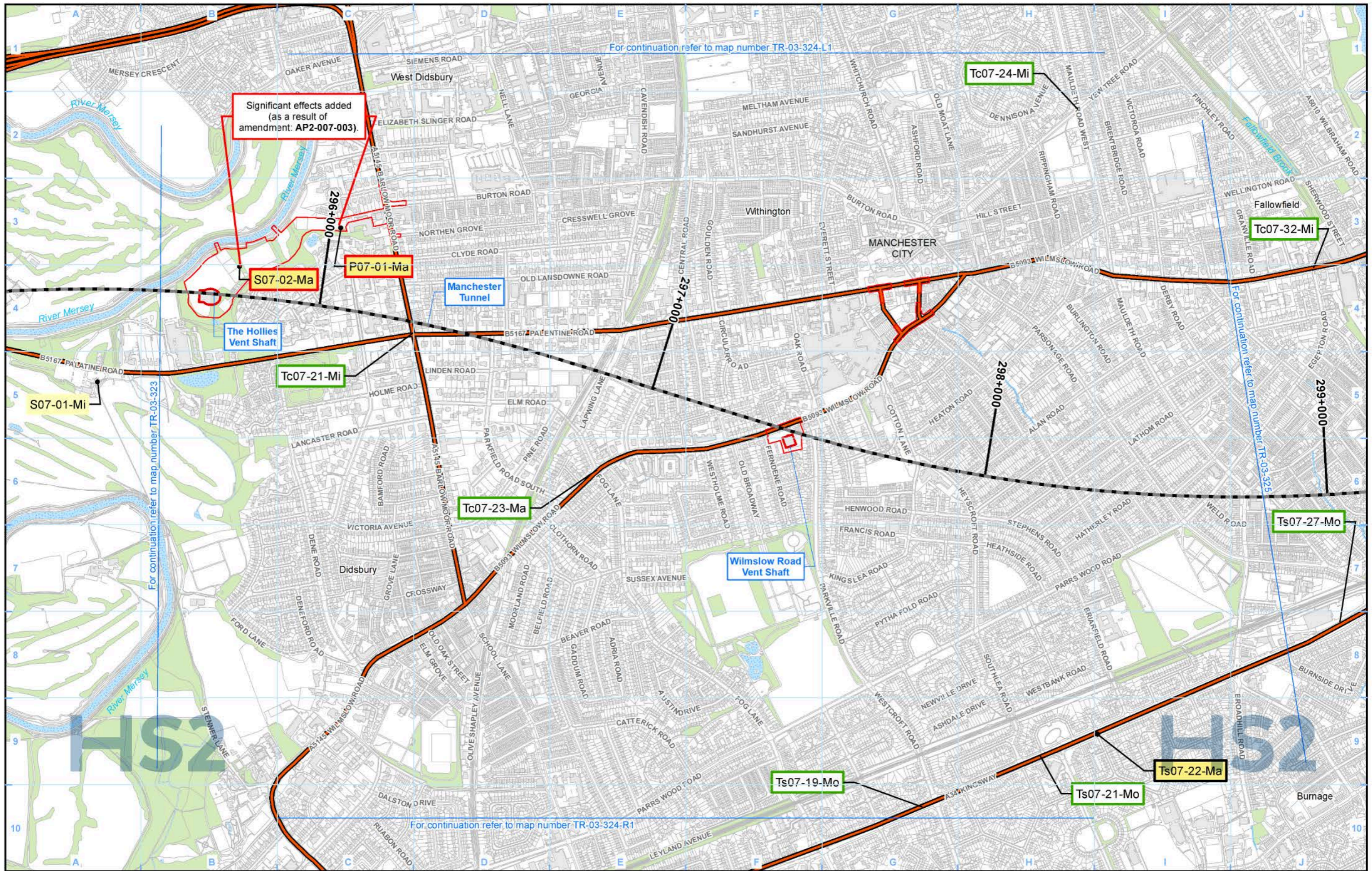
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| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | | For full legend please refer to TR-03 legend page. | |
|--------|---|---|-----------------------|---|-----------------------|--|--|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent | | |
| | Route on surface | | Adverse, temporary | | Adverse, temporary | | |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary | | |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent | | |
| | Community area boundary | | | | | | |
| | County boundary | | | | | | |
| | District/Borough boundary | | | | | | |
| | Watercourse | | | | | | |
| | Water body | | | | | | |
| | Woodland | | | | | | |
| | Construction traffic routes | | | | | | |

| | |
|------------|--|
| Map Number | TR-03-324 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA07: Davenport Green to Ardwick |

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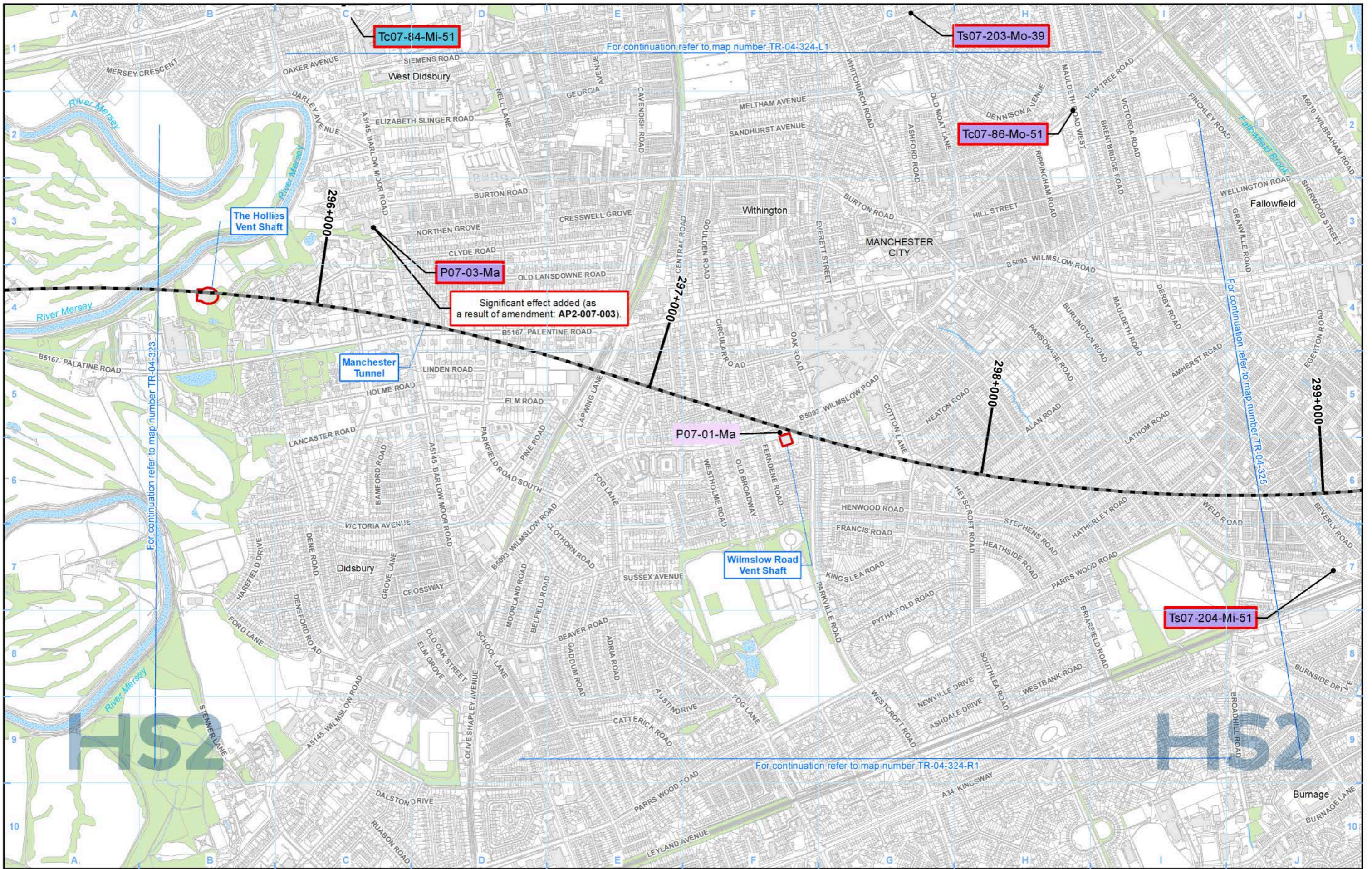
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Scale at A3: 1:10,000

Metres

Date: 03/05/23

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- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary
 - Watercourse
 - Water body
 - Woodland

- Operational significant effects arising as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-324

Map Name: Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES

Community Area MA07: Davenport Green to Ardwick

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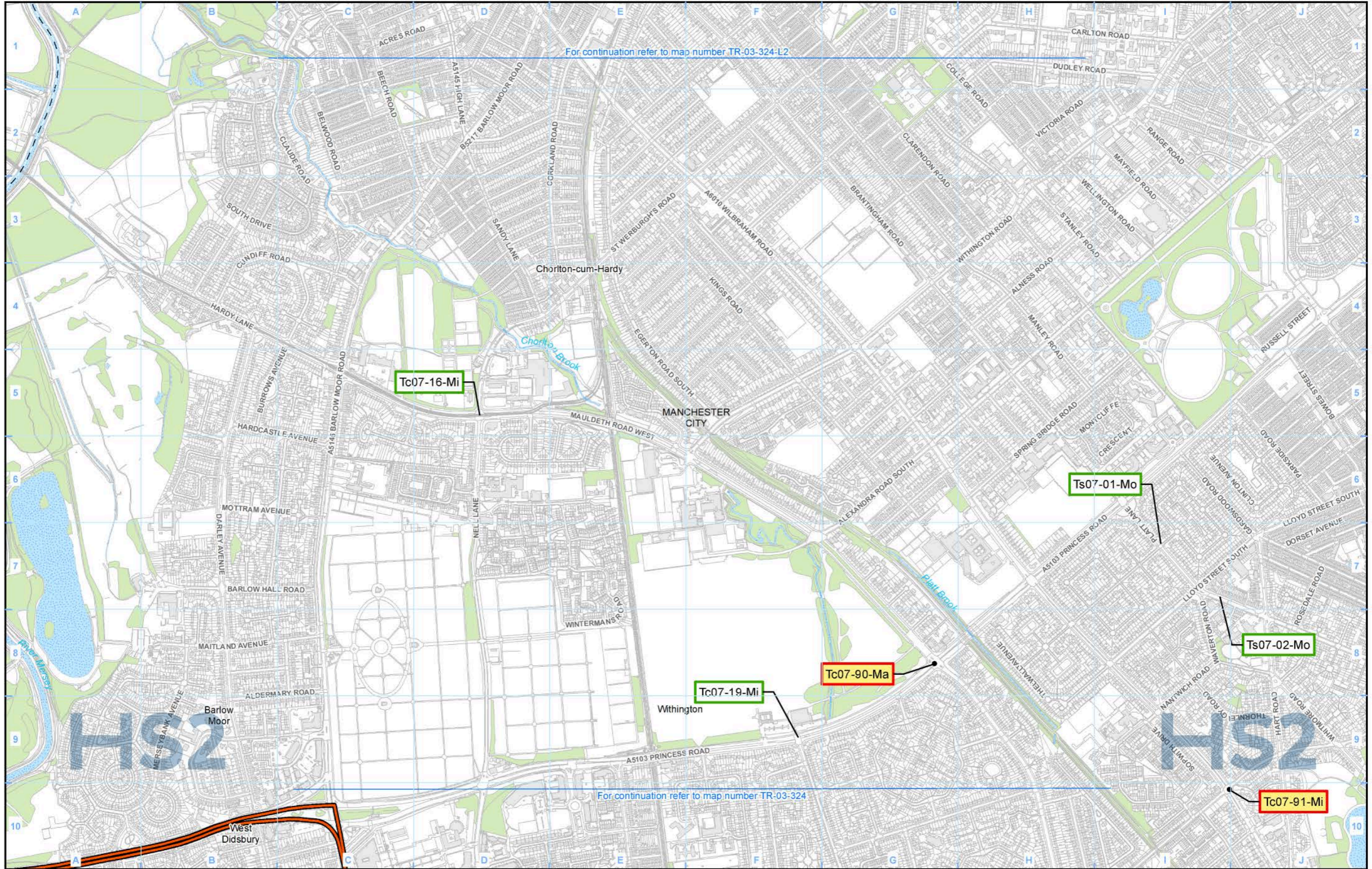
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Date: 13/04/23

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Metres



For continuation refer to map number TR-03-324-L2

For continuation refer to map number TR-03-324

Legend

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

| | |
|--|--|
| Construction significant effects arising as a result of the current SES/AP: | Construction significant effects unchanged as a result of the current SES/AP: |
| Adverse, permanent | Adverse, permanent |
| Adverse, temporary | Adverse, temporary |
| Beneficial, temporary | Beneficial, temporary |
| Beneficial, permanent | Beneficial, permanent |

For full legend please refer to TR-03 legend page.

| | |
|--|--|
| Map Number | TR-03-324-L1 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area MA07: Davenport Green to Ardwick | |

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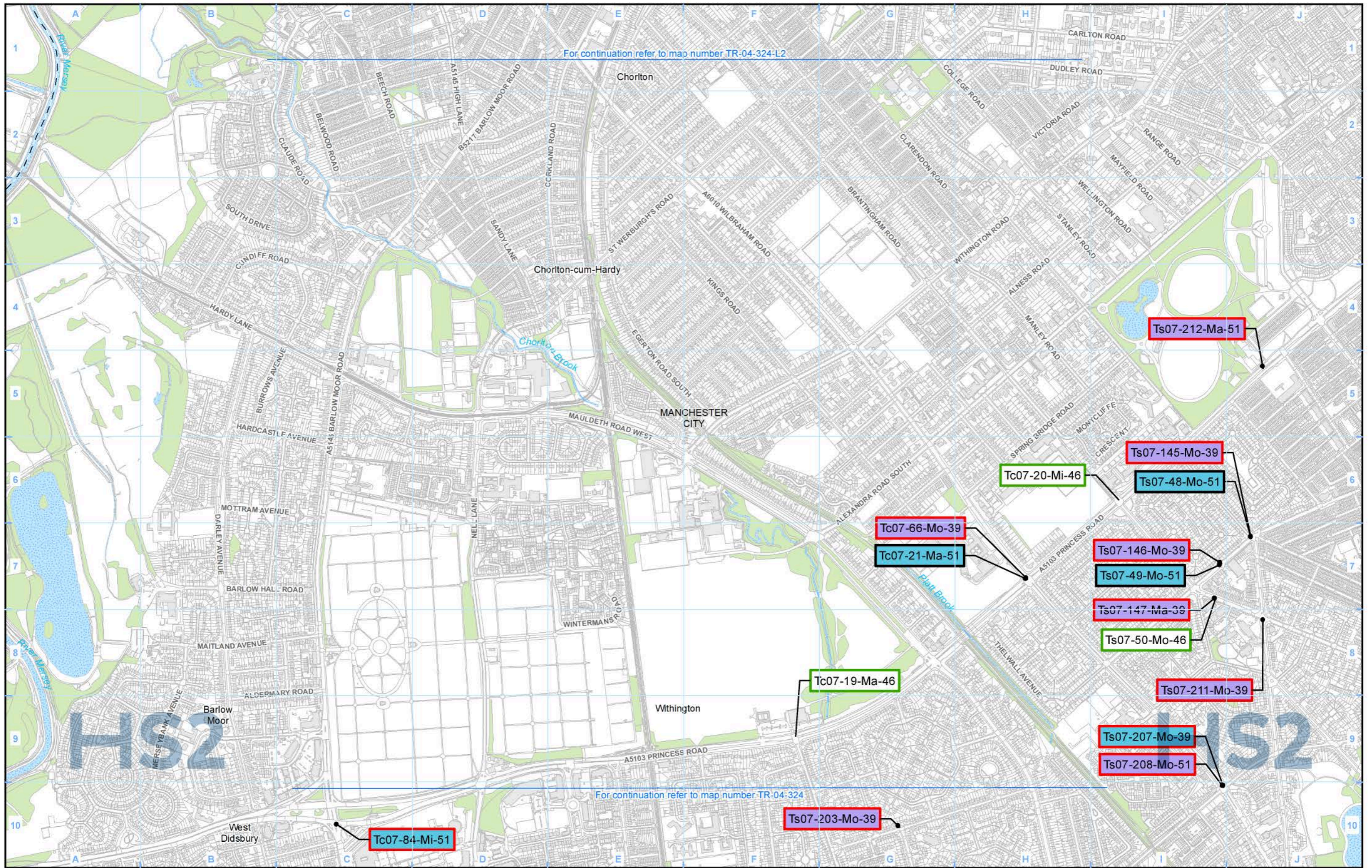
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Metres

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For continuation refer to map number TR-04-324-L2

For continuation refer to map number TR-04-324

Legend

| | | | |
|--|--|--|-------------|
| | Route in tunnel | | Watercourse |
| | Route on surface | | Water body |
| | Depot, station, headhouse or portal building | | Woodland |
| | Community area boundary | | |
| | County boundary | | |
| | District/Borough boundary | | |

| | |
|---|---|
| Operational significant effects arising as a result of the current SES/AP: | Operational significant effects unchanged as a result of the current SES/AP: |
| | |
| | |
| | |
| | |

For full legend please refer to TR-04 legend page.

| | |
|------------|---|
| Map Number | TR-04-324-L1 |
| Map Name | Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES |
| | Community Area MA07: Davenport Green to Ardwick |

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Doc Number: 2PT27-MWJ-EV-MAP-M000-003759-P01

Date: 13/04/23



For continuation refer to map number TR-03-324-L1

| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | | For full legend please refer to TR-03 legend page. | |
|--------|---|---|-----------------------------|---|-----------------------|--|--|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent | | |
| | Route on surface | | Adverse, temporary | | Adverse, temporary | | |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary | | |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent | | |
| | Community area boundary | | Watercourse | | | | |
| | County boundary | | Water body | | | | |
| | District/Borough boundary | | Woodland | | | | |
| | | | Construction traffic routes | | | | |

| | |
|--|--|
| Map Number | TR-03-324-L2 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area MA07: Davenport Green to Ardwick | |

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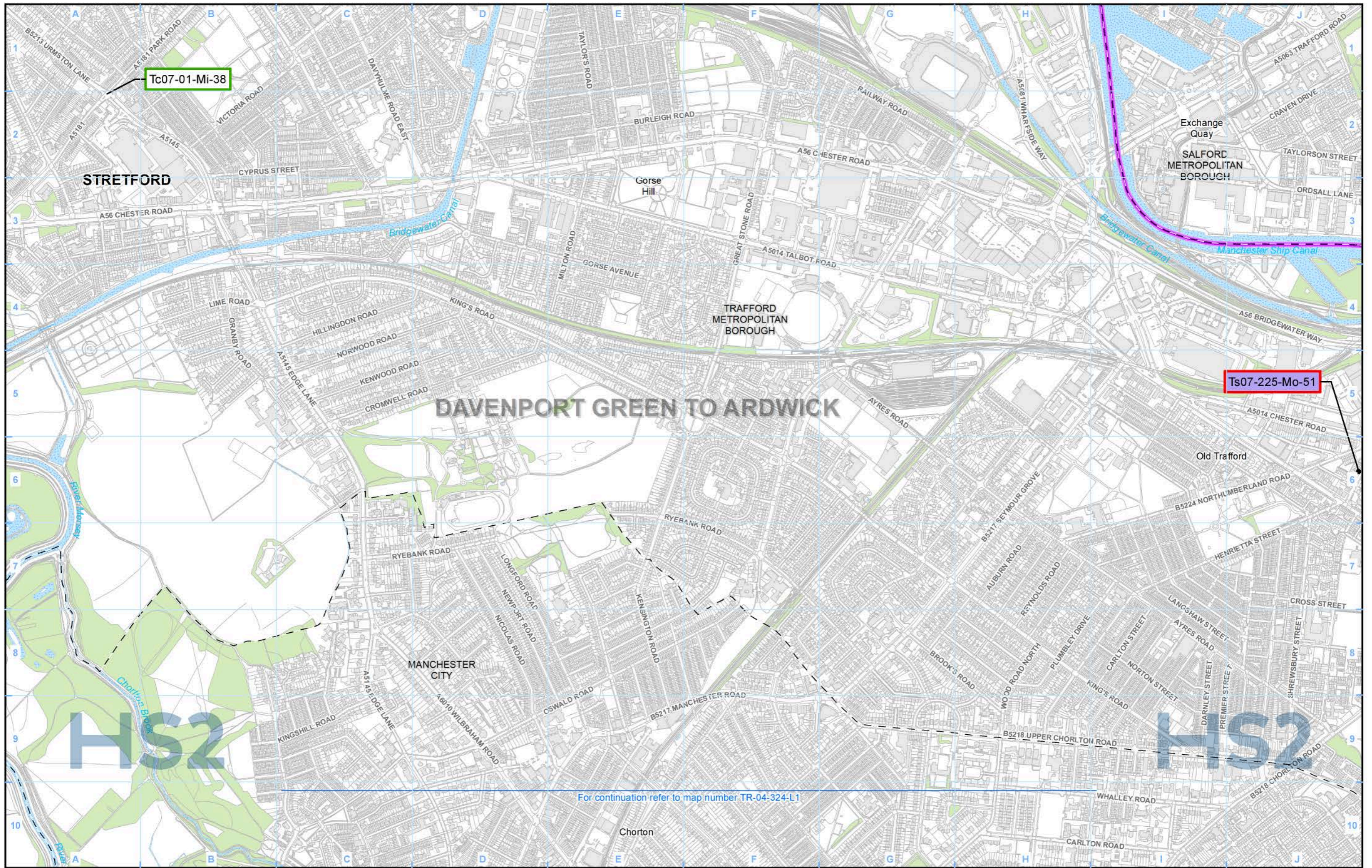
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DAVENPORT GREEN TO ARDWICK

For continuation refer to map number TR-04-324-L1

- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland

- Operational significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: **TR-04-324-L2**

Map Name: **Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES**

Community Area MA07: **Davenport Green to Ardwick**

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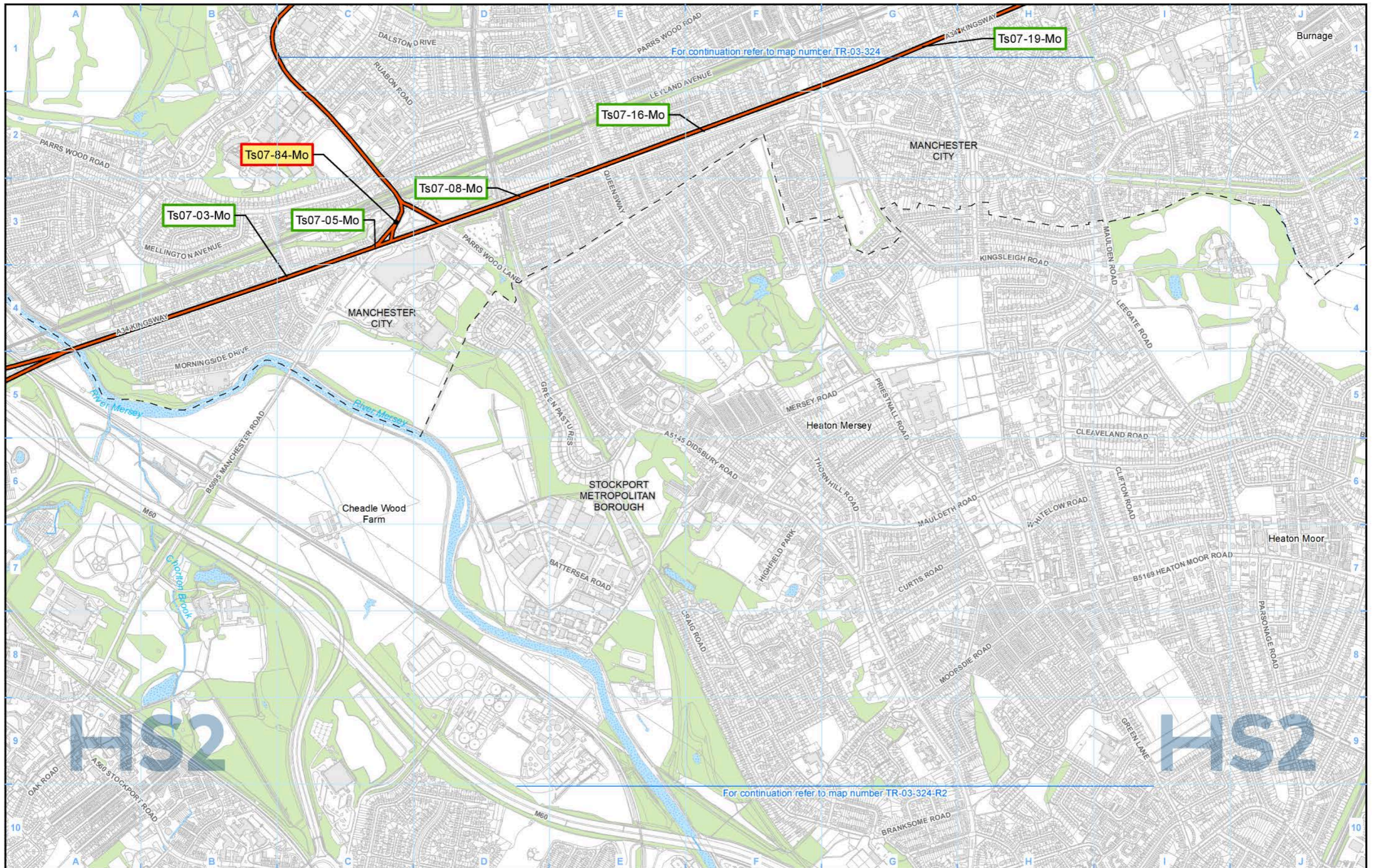
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For continuation refer to map number TR-03-324

For continuation refer to map number TR-03-324-R2

| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | |
|--------|---|---|-----------------------|---|-----------------------|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent |
| | Route on surface | | Adverse, temporary | | Adverse, temporary |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent |
| | Community area boundary | | | | |
| | County boundary | | | | |
| | District/Borough boundary | | | | |
| | Watercourse | | | | |
| | Water body | | | | |
| | Woodland | | | | |
| | Construction traffic routes | | | | |

For full legend please refer to TR-03 legend page.

| | |
|------------|--|
| Map Number | TR-03-324-R1 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA07: Davenport Green to Ardwick |

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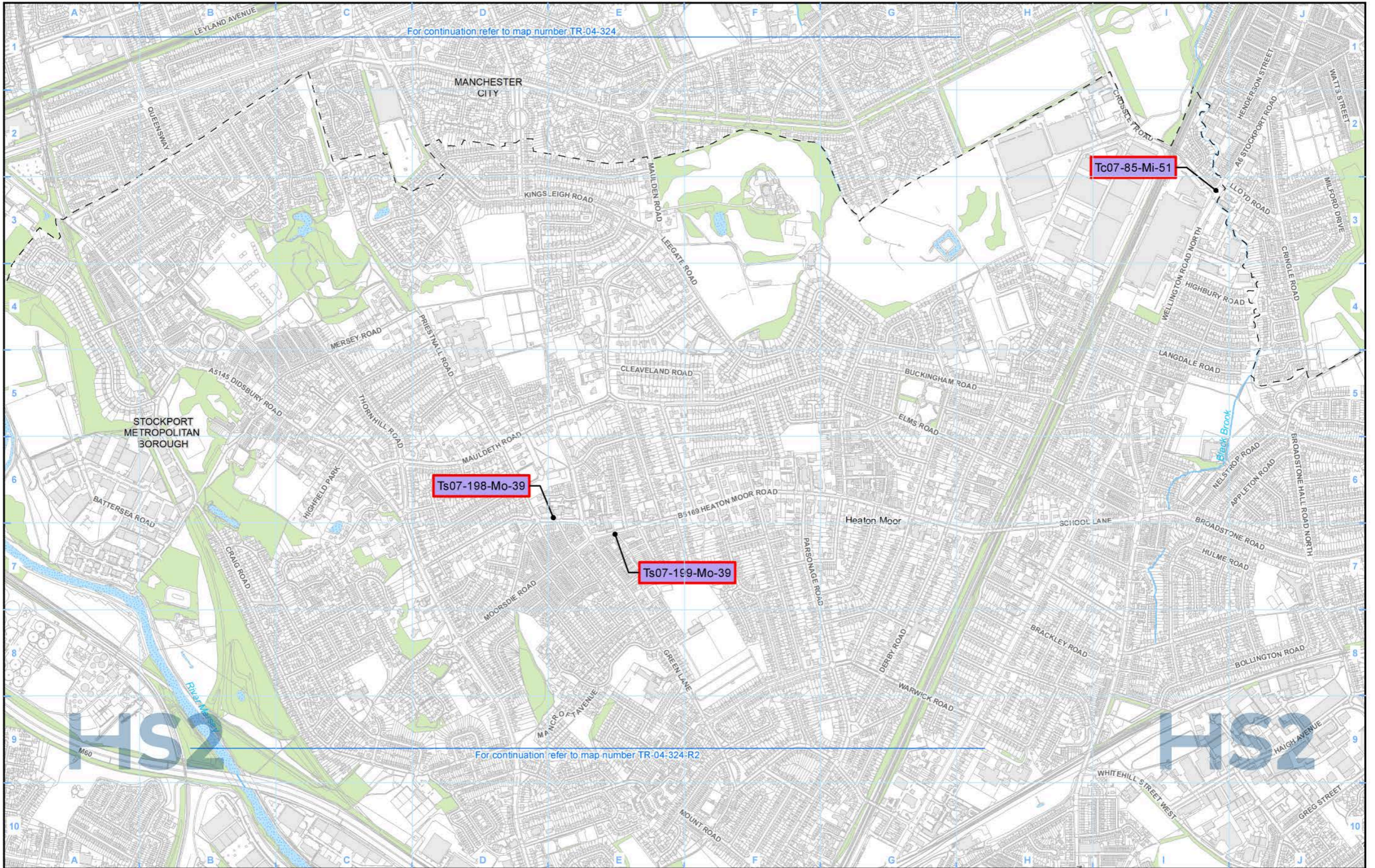
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For continuation refer to map number TR-04-324



For continuation refer to map number TR-04-324-R2

- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland

- Operational significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: **TR-04-324-R1**

Map Name: **Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES**

Community Area MA07: **Davenport Green to Ardwick**

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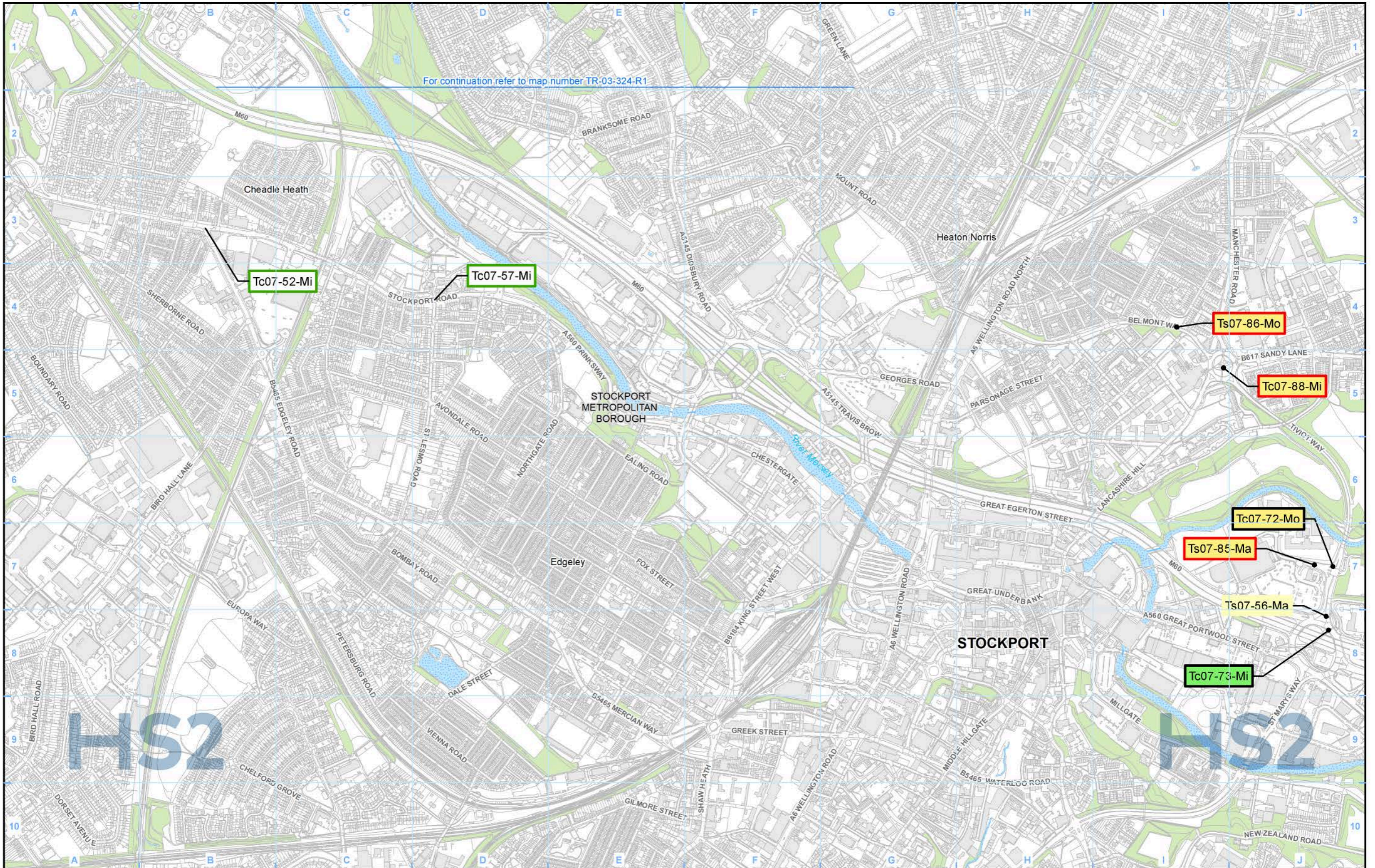
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Metres

For continuation refer to map number TR-03-324-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
 - Construction traffic routes
- | | |
|---|---|
| <p>Construction significant effects arising as a result of the current SES/AP:</p> <ul style="list-style-type: none"> Adverse, permanent Adverse, temporary Beneficial, temporary Beneficial, permanent | <p>Construction significant effects unchanged as a result of the current SES/AP:</p> <ul style="list-style-type: none"> Adverse, permanent Adverse, temporary Beneficial, temporary Beneficial, permanent |
|---|---|
- For full legend please refer to TR-03 legend page.

| | |
|----------------|--|
| Map Number | TR-03-324-R2 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area | Community Area MA07: Davenport Green to Ardwick |

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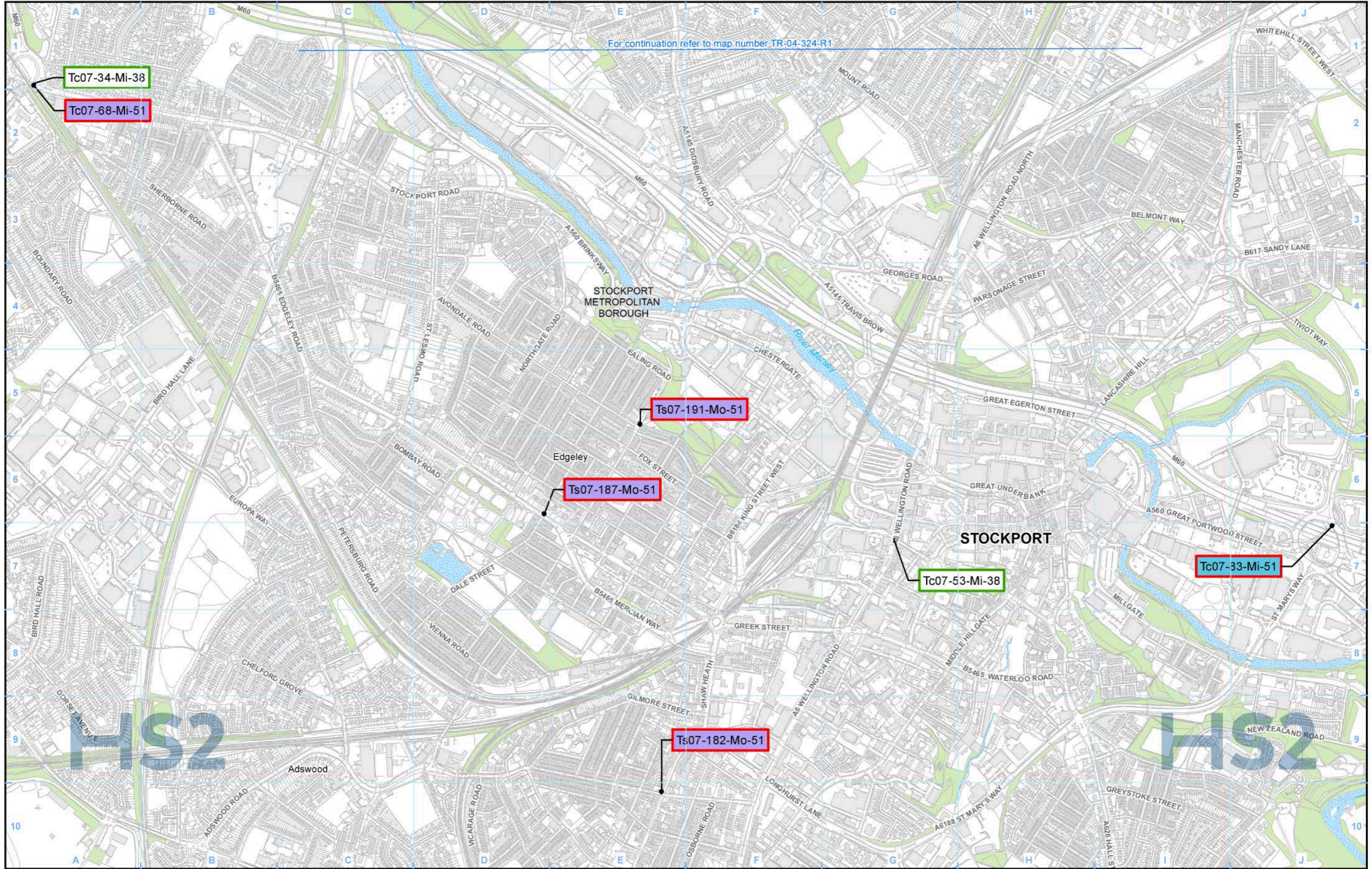
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For continuation refer to map number TR-04-324-R1



Legend

| | | | |
|--|--|--|-------------|
| | Route in tunnel | | Watercourse |
| | Route on surface | | Water body |
| | Depot, station, headhouse or portal building | | Woodland |
| | Community area boundary | | |
| | County boundary | | |
| | District/Borough boundary | | |

| | |
|---|---|
| Operational significant effects arising as a result of the current SES/AP: | Operational significant effects unchanged as a result of the current SES/AP: |
| Adverse, permanent | Adverse, permanent |
| Adverse, temporary | Adverse, temporary |
| Beneficial, temporary | Beneficial, temporary |
| Beneficial, permanent | Beneficial, permanent |

For full legend please refer to TR-04 legend page.

| | |
|------------|---|
| Map Number | TR-04-324-R2 |
| Map Name | Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES |
| | Community Area MA07: Davenport Green to Ardwick |

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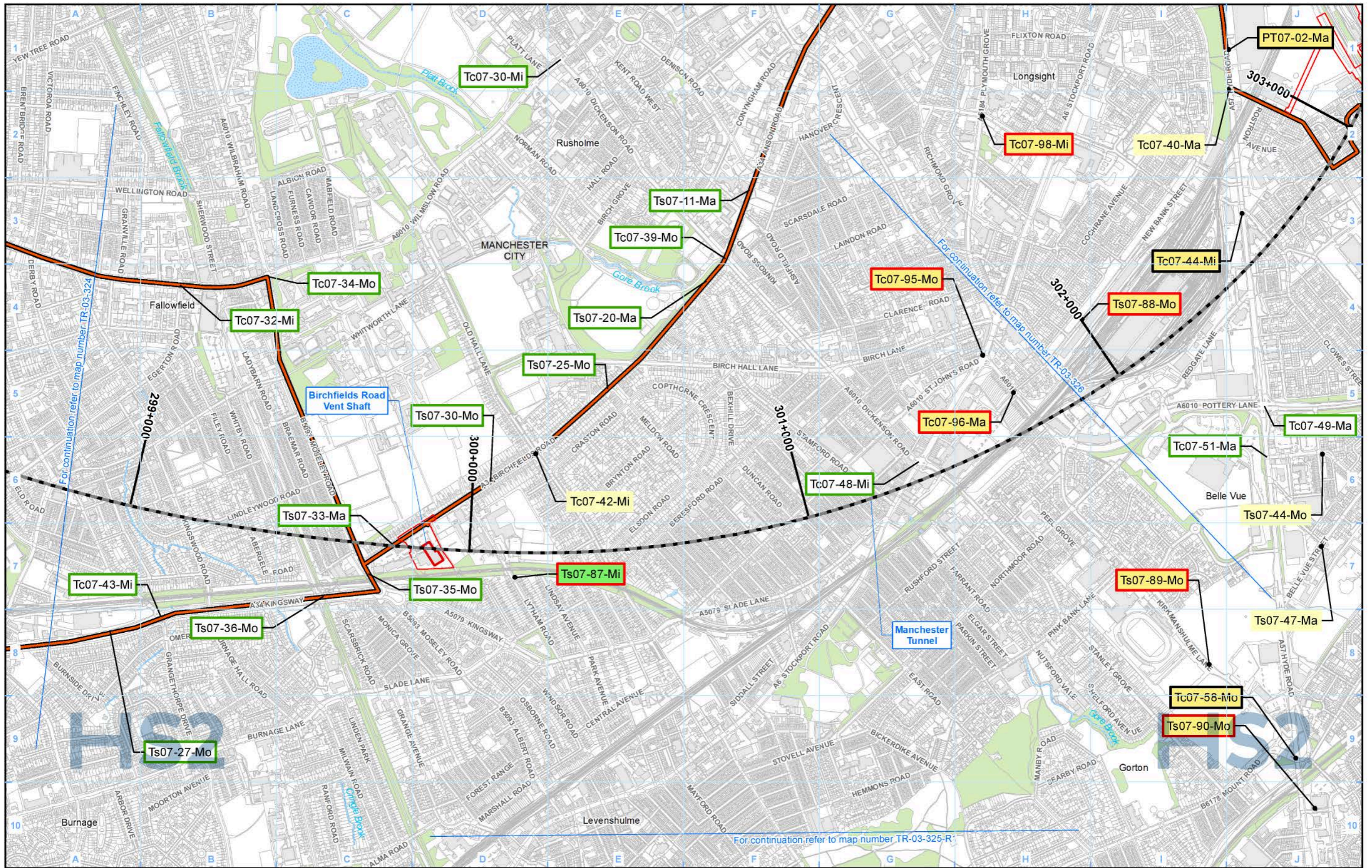
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| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | |
|--------|---|---|-----------------------|---|-----------------------|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent |
| | Route on surface | | Adverse, temporary | | Adverse, temporary |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent |
| | Community area boundary | | | | |
| | County boundary | | | | |
| | District/Borough boundary | | | | |
| | Watercourse | | | | |
| | Water body | | | | |
| | Woodland | | | | |
| | Construction traffic routes | | | | |

For full legend please refer to TR-03 legend page.

| | |
|---|--|
| Map Number | TR-03-325 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area MA07: Davenport Green to Ardwick | |

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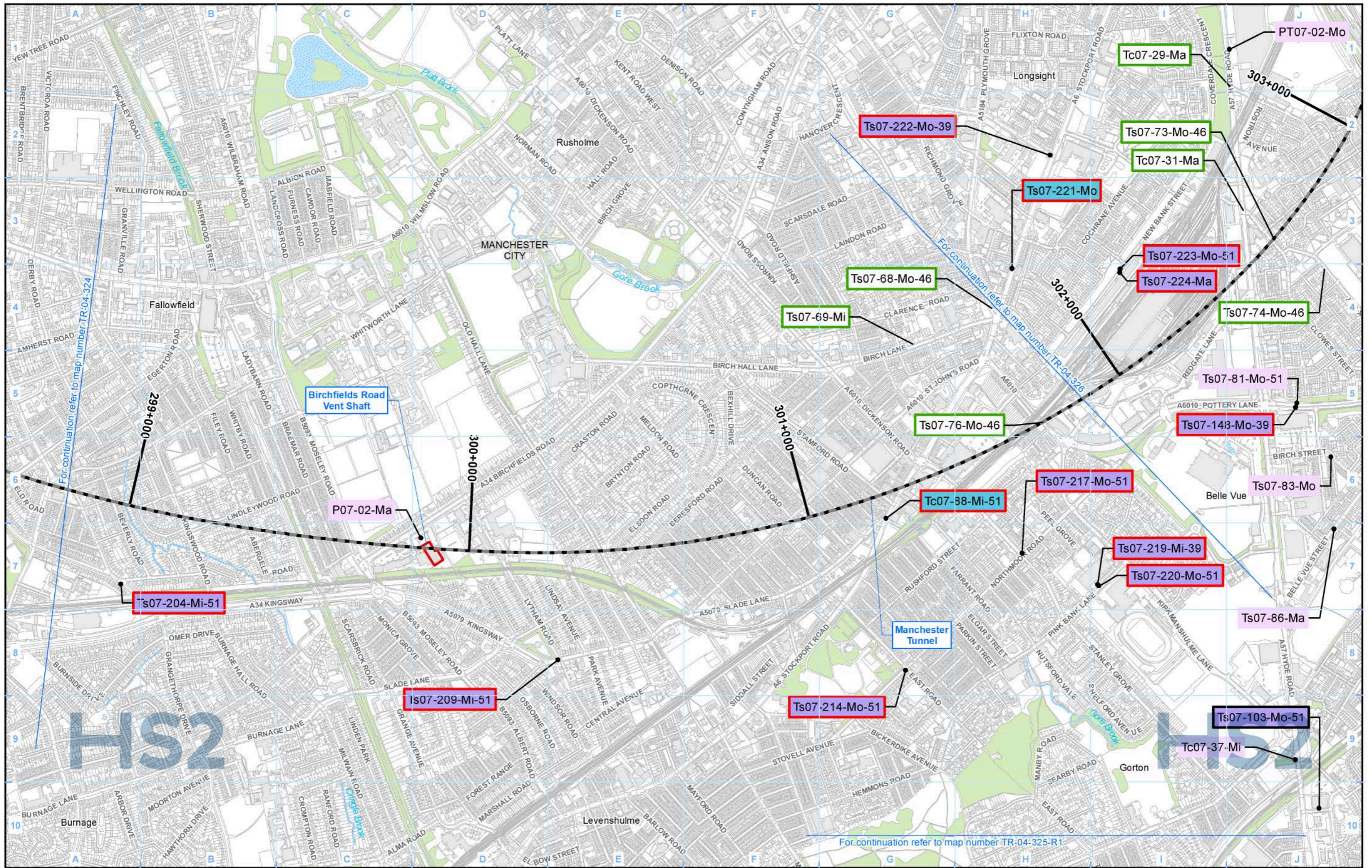
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Metres

Date: 03/05/23



- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary
 - Watercourse
 - Water body
 - Woodland

- Operational significant effects arising as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: **TR-04-325**

Map Name: **Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES**

Community Area MA07: **Davenport Green to Ardwick**

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For continuation refer to map number TR-03-325



For continuation refer to map number TR-03-325-R2

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
- Construction traffic routes

- Construction significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

- Construction significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-03 legend page.

Map Number: **TR-03-325-R1**

Map Name: **Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES**

Community Area MA07: **Davenport Green to Ardwick**

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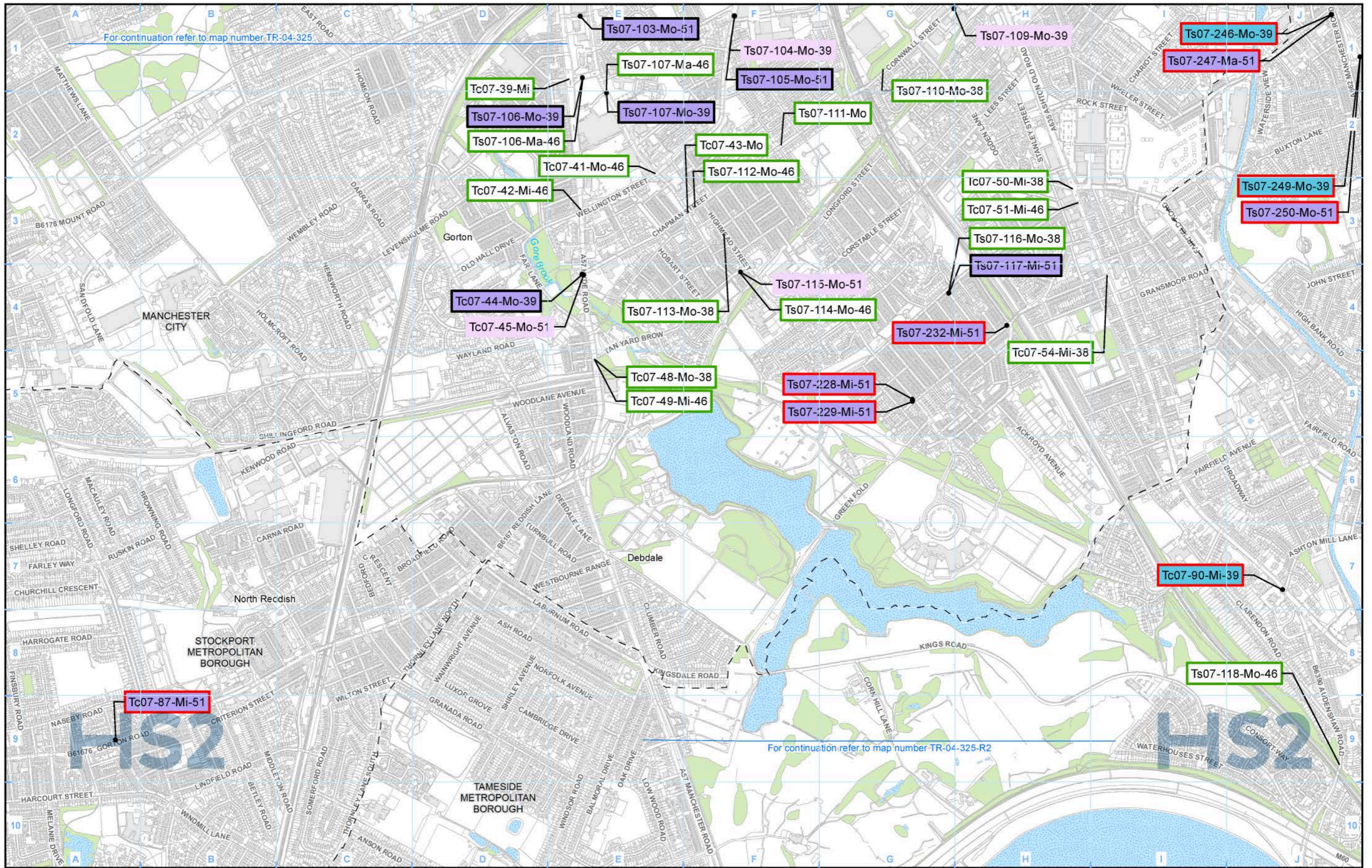
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Date: 03/05/23

Scale at A3: 1:10,000

Metres



For continuation refer to map number TR-04-325

For continuation refer to map number TR-04-325-R2

| Legend | | Operational significant effects arising as a result of the current SES/AP: | | Operational significant effects unchanged as a result of the current SES/AP: | | For full legend please refer to TR-04 legend page. | |
|--------|--|--|-----------------------|--|-----------------------|--|--|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent | | |
| | Route on surface | | Adverse, temporary | | Adverse, temporary | | |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary | | |
| | Community area boundary | | Beneficial, permanent | | Beneficial, permanent | | |
| | County boundary | | Watercourse | | | | |
| | District/Borough boundary | | Water body | | | | |
| | | | Woodland | | | | |

| | |
|------------|---|
| Map Number | TR-04-325-R1 |
| Map Name | Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES |
| | Community Area MA07: Davenport Green to Ardwick |

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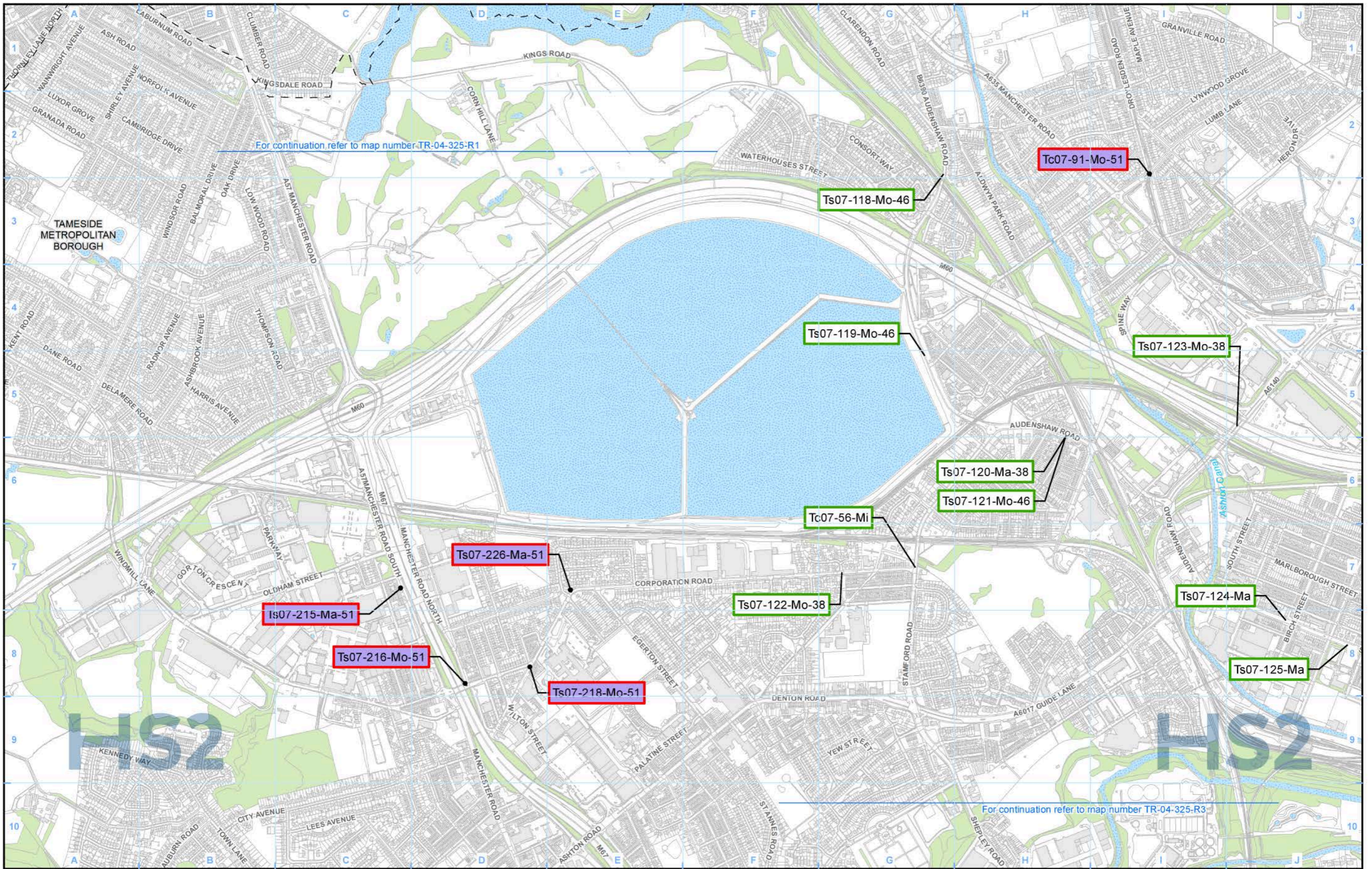
Date: 13/04/23



For continuation refer to map number TR-03-325-R1

Tc07-75-Mo

| | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|
| 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 Construction traffic routes | | Construction significant effects arising as a result of the current SES/AP: <ul style="list-style-type: none"> Adverse, permanent Adverse, temporary Beneficial, temporary Beneficial, permanent | | Construction significant effects unchanged as a result of the current SES/AP: <ul style="list-style-type: none"> Adverse, permanent Adverse, temporary Beneficial, temporary Beneficial, permanent | | For full legend please refer to TR-03 legend page. | |
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| Map Name Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES | | Doc Number: 2PT27-MWJ-EV-MAP-M000-002588-P01 | | Date: 03/05/23 | | © Crown copyright and database rights 2022. OS 100049190 | | Community Area MA07: Davenport Green to Ardwick | |



For continuation refer to map number TR-04-325-R1

For continuation refer to map number TR-04-325-R3

- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland

- Operational significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-325-R2

Map Name: Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES

Community Area MA07: Davenport Green to Ardwick

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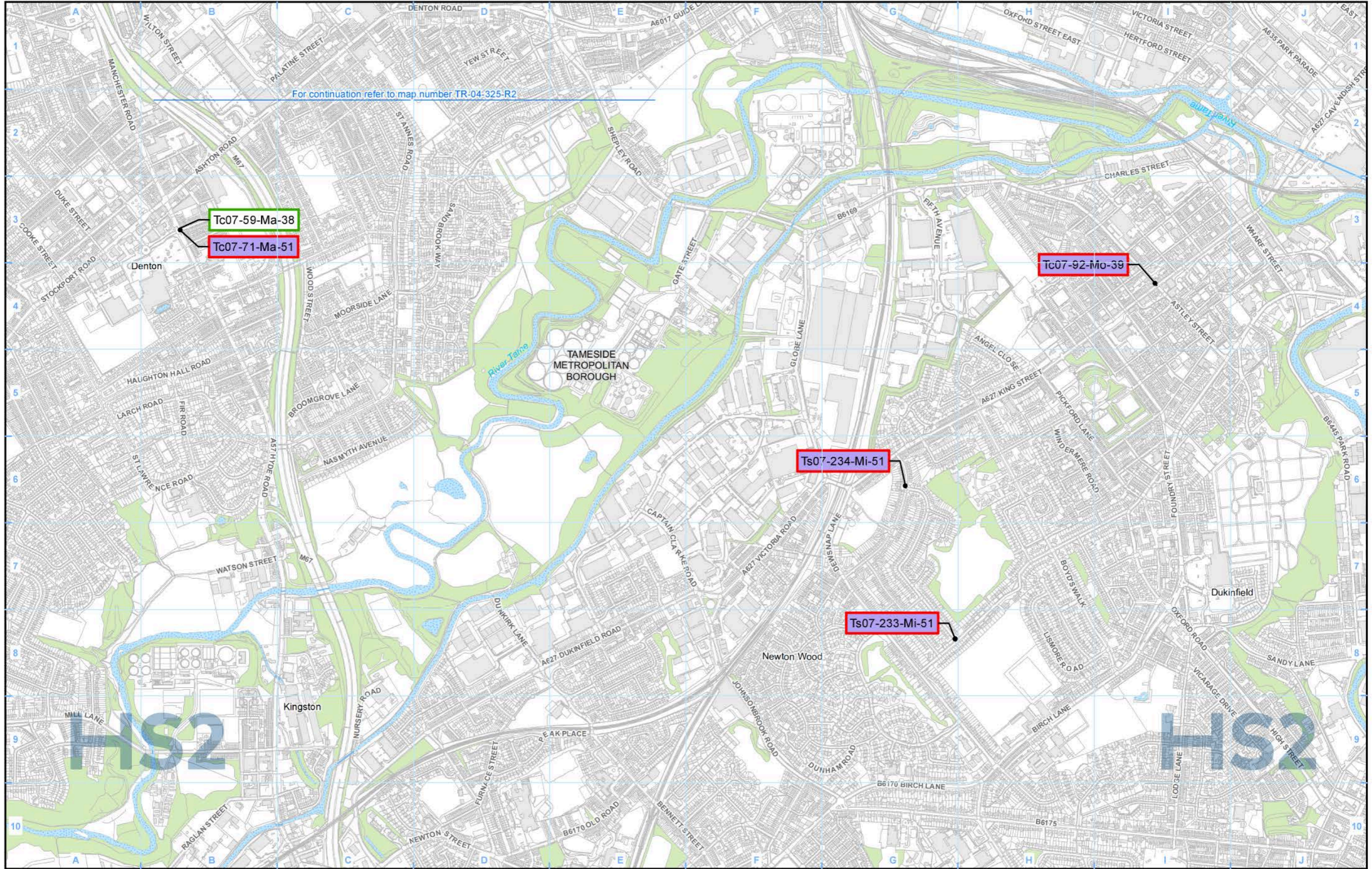
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Scale at A3: 1:10,000

Date: 13/04/23

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For continuation refer to map number TR-04-325-R2



- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland

- Operational significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-325-R3

Map Name: Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES

Community Area MA07: Davenport Green to Ardwick

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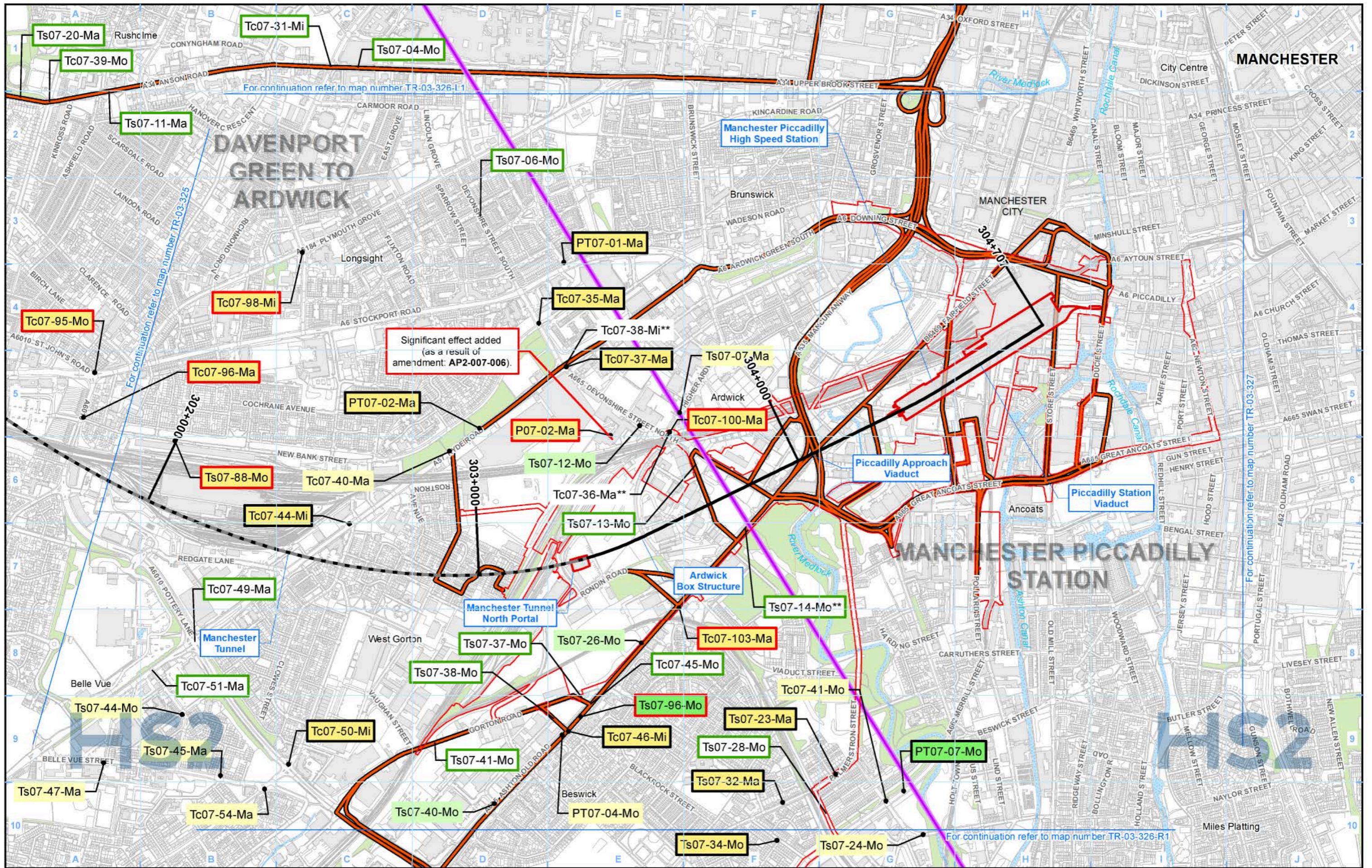
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| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | |
|---|-----------------------------|---|-----------------------|---|-----------------------|
| Route in tunnel | Watercourse | Adverse, permanent | Adverse, permanent | Adverse, permanent | Adverse, permanent |
| Route on surface | Water body | Adverse, temporary | Adverse, temporary | Adverse, temporary | Adverse, temporary |
| Depot, station, headhouse or portal building | Woodland | Beneficial, temporary | Beneficial, temporary | Beneficial, temporary | Beneficial, temporary |
| Land potentially required during construction | Construction traffic routes | Beneficial, permanent | Beneficial, permanent | Beneficial, permanent | Beneficial, permanent |
| Community area boundary | | | | | |
| County boundary | | | | | |
| District/Borough boundary | | | | | |

For full legend please refer to TR-03 legend page.

| | |
|------------|--|
| Map Number | TR-03-326 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA07: Davenport Green to Ardwick |

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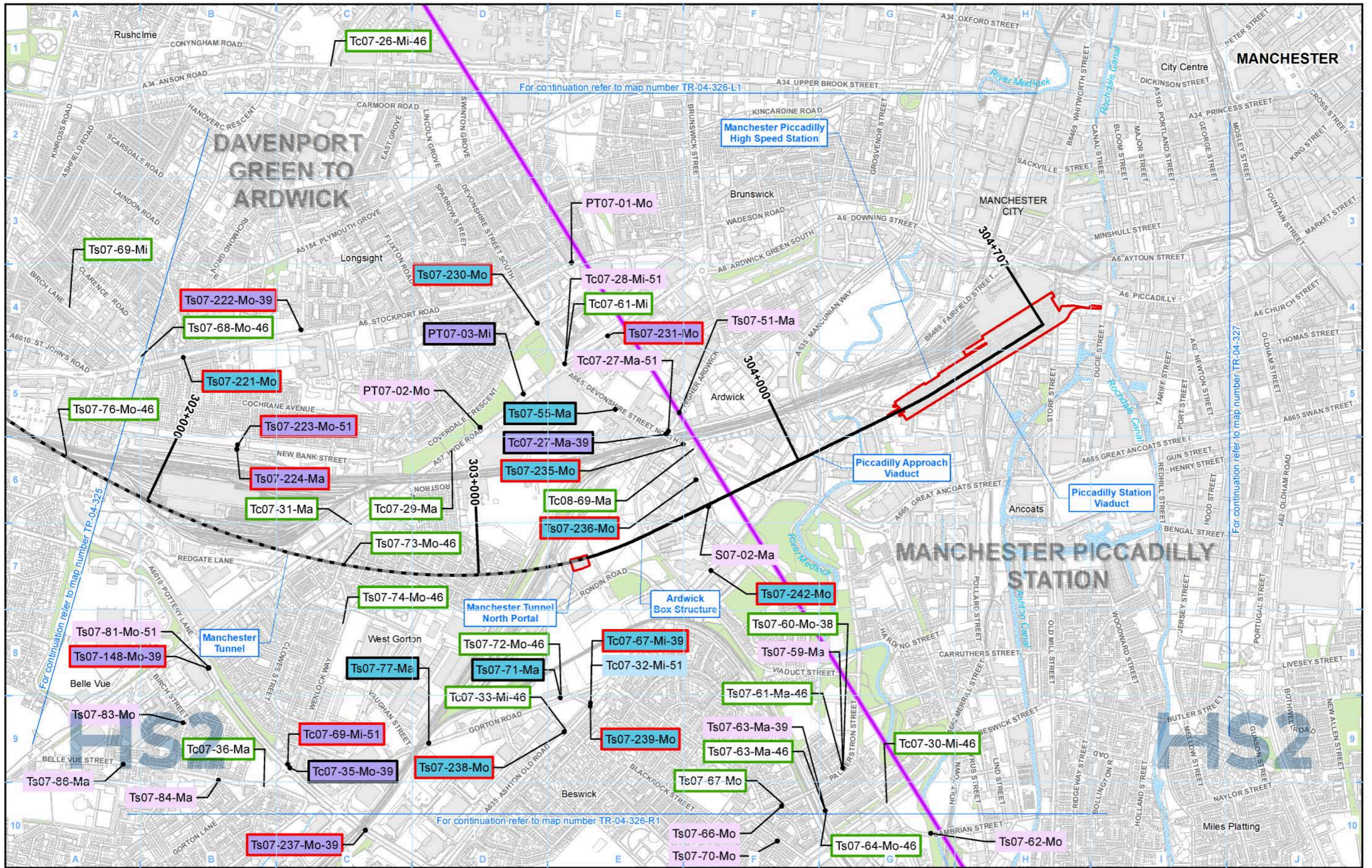
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Legend

| | | | |
|--|--|--|--|
| | | Operational significant effects arising as a result of the current SES/AP: | Operational significant effects unchanged as a result of the current SES/AP: |
| | | | |
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| | | | |
| | | | |
| | | | |

For full legend please refer to TR-04 legend page.

Map Number: TR-04-326

Map Name: Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES

Community Area MA07: Davenport Green to Ardwick

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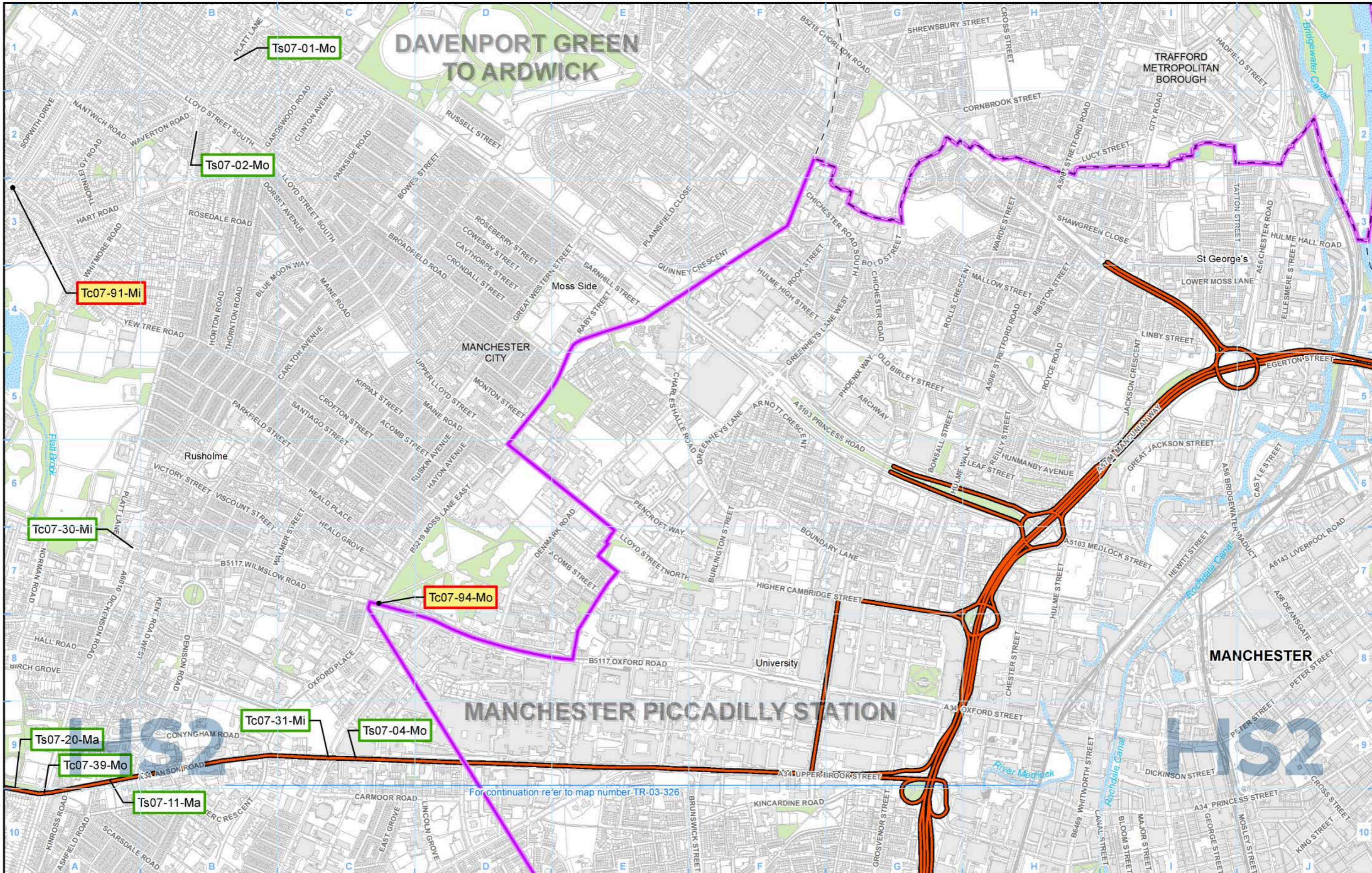
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Date: 13/04/23

DAVENPORT GREEN TO ARDWICK



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
- Construction traffic routes

Construction significant effects arising as a result of the current SES/AP:

- Adverse, permanent
- Adverse, temporary
- Beneficial, temporary
- Beneficial, permanent

Construction significant effects unchanged as a result of the current SES/AP:

- Adverse, permanent
- Adverse, temporary
- Beneficial, temporary
- Beneficial, permanent

For full legend please refer to TR-03 legend page.

Map Number: **TR-03-326-L1**

Map Name: **Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES**

Community Area MA07: **Davenport Green to Ardwick**

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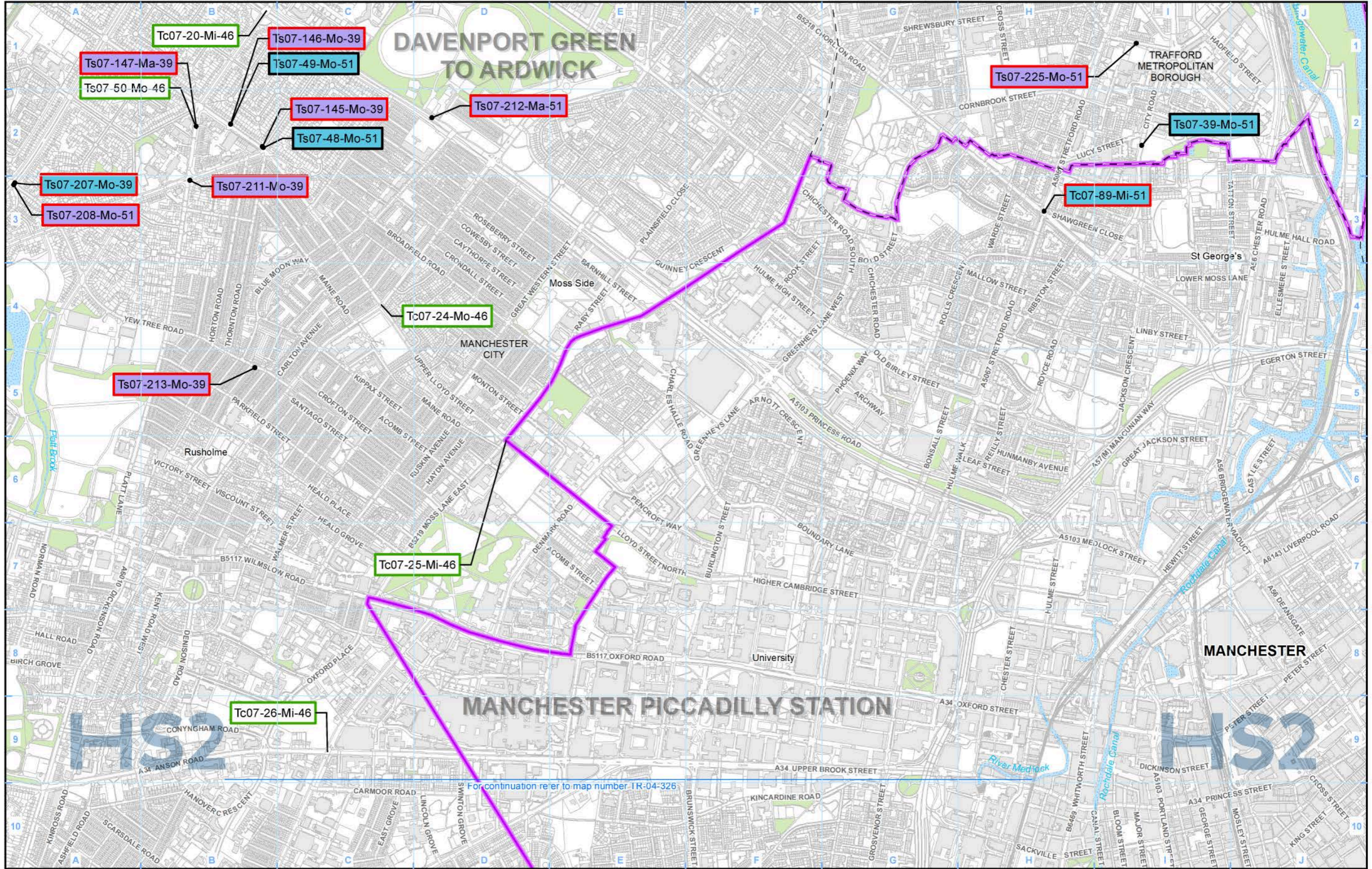
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Date: 03/05/23

Scale at A3: 1:10,000

Metres

DAVENPORT GREEN TO ARDWICK



For continuation refer to map number TR-04-326

- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland

- Operational significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: **TR-04-326-L1**

Map Name: **Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES**

Community Area MA07: **Davenport Green to Ardwick**

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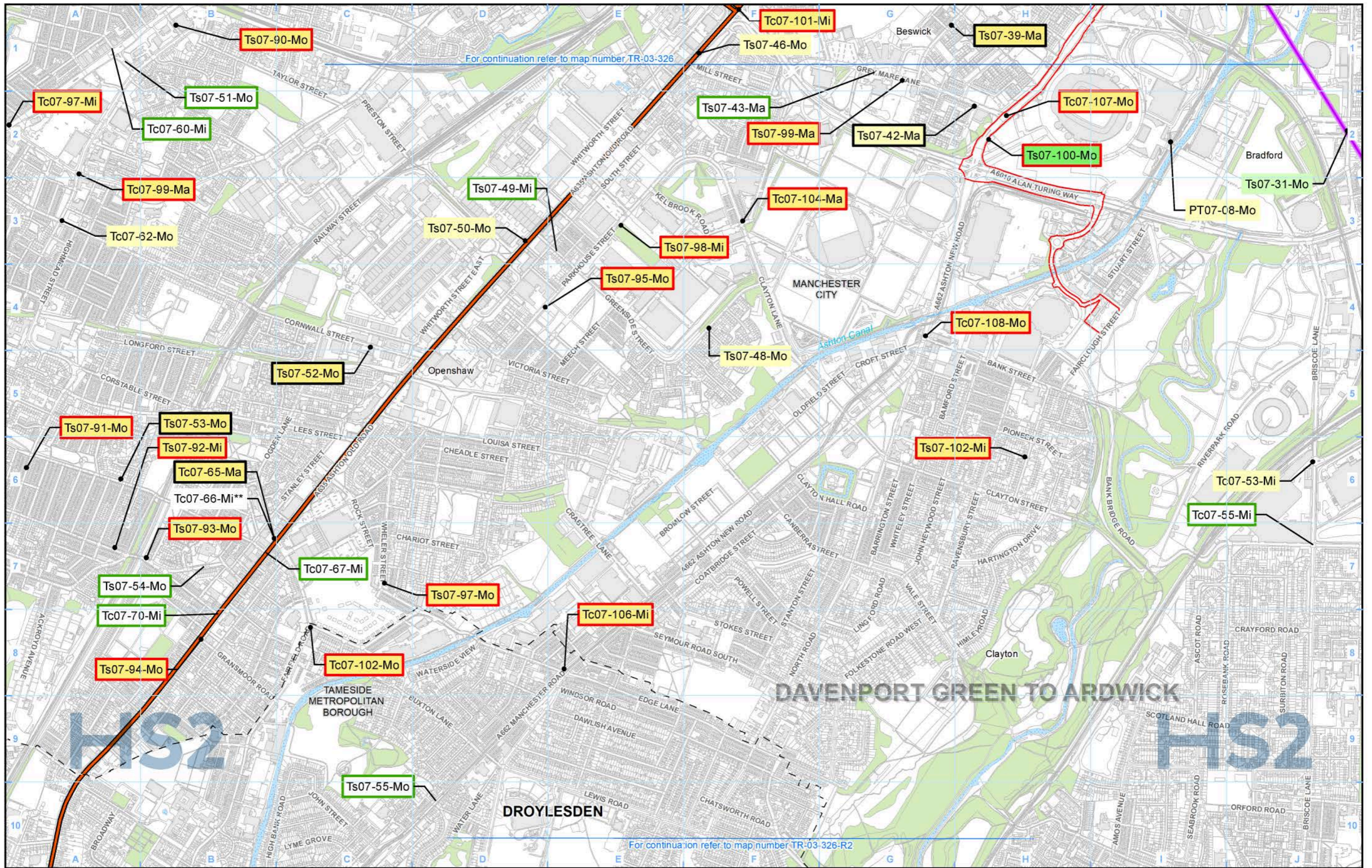
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Doc Number: 2PT27-MWJ-EV-MAP-M000-003764-P01

Date: 13/04/23



| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | |
|--------|---|---|-----------------------|---|-----------------------|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent |
| | Route on surface | | Adverse, temporary | | Adverse, temporary |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent |
| | Community area boundary | | | | |
| | County boundary | | | | |
| | District/Borough boundary | | | | |
| | Watercourse | | | | |
| | Water body | | | | |
| | Woodland | | | | |
| | Construction traffic routes | | | | |

For full legend please refer to TR-03 legend page.

| | |
|------------|--|
| Map Number | TR-03-326-R1 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA07: Davenport Green to Ardwick |

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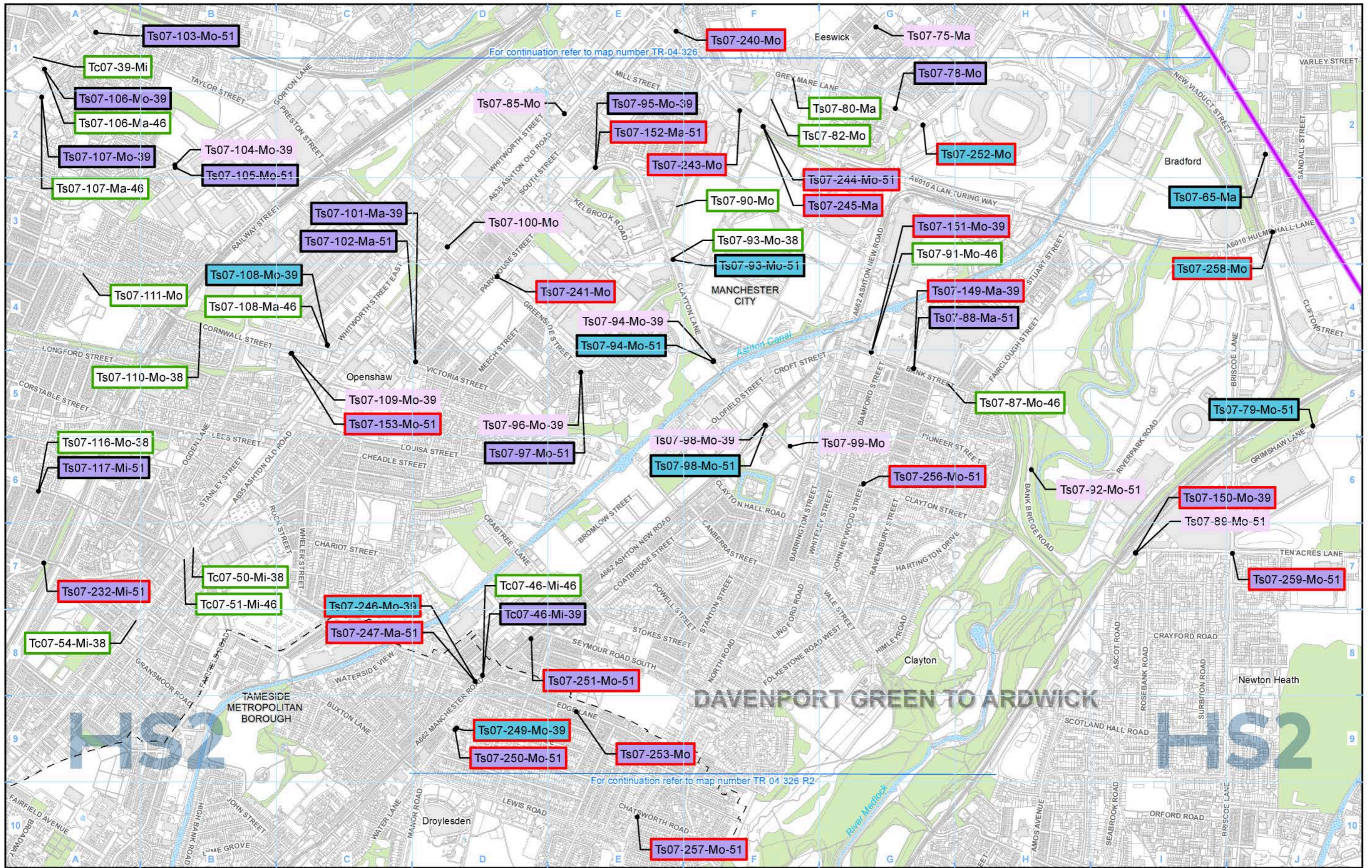
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Doc Number: 2PT27-MWJ-EV-MAP-M000-002912-P01

Scale at A3: 1:10,000

Metres

Date: 03/05/23



For continuation refer to map number TR-04-326

For continuation refer to map number TR 04 326 R2

Legend

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

- Watercourse
- Water body
- Woodland

| | |
|--|--|
| Operational significant effects arising as a result of the current SES/AP: | Operational significant effects unchanged as a result of the current SES/AP: |
| Adverse, permanent | Adverse, permanent |
| Adverse, temporary | Adverse, temporary |
| Beneficial, temporary | Beneficial, temporary |
| Beneficial, permanent | Beneficial, permanent |

For full legend please refer to TR-04 legend page.

| | |
|------------|---|
| Map Number | TR-04-326-R1 |
| Map Name | Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES |
| | Community Area MA07: Davenport Green to Ardwick |

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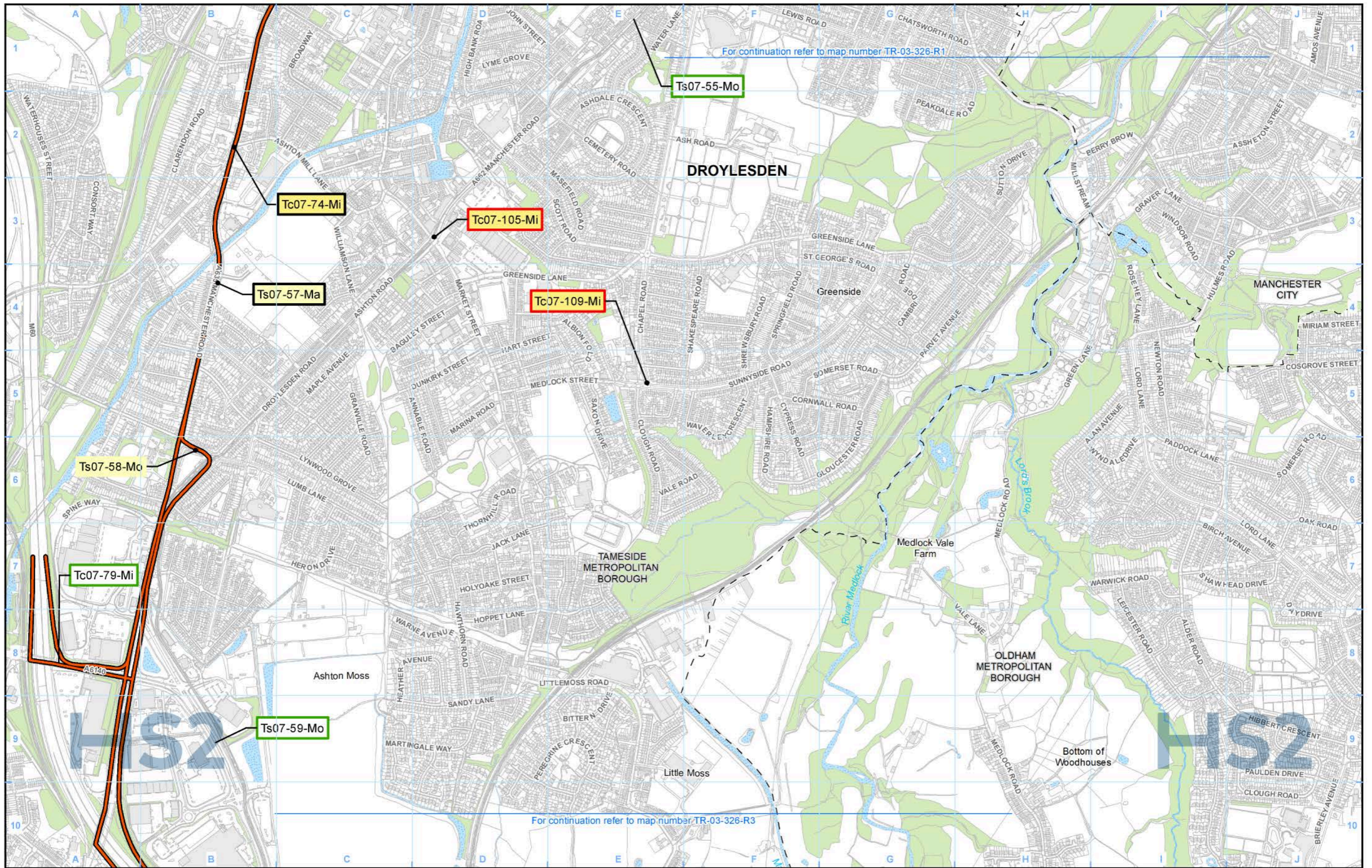
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Doc Number: 2PT27-MWJ-EV-MAP-M000-003765-P01

Scale at A3: 1:10,000

Metres

Date: 13/04/23



For continuation refer to map number TR-03-326-R1

For continuation refer to map number TR-03-326-R3

| 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 |
| | Construction traffic routes |

| Construction significant effects arising as a result of the current SES/AP: | |
|---|-----------------------|
| | Adverse, permanent |
| | Adverse, temporary |
| | Beneficial, temporary |
| | Beneficial, permanent |

| Construction significant effects unchanged as a result of the current SES/AP: | |
|---|-----------------------|
| | Adverse, permanent |
| | Adverse, temporary |
| | Beneficial, temporary |
| | Beneficial, permanent |

For full legend please refer to TR-03 legend page.

| | |
|---|--|
| Map Number | TR-03-326-R2 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area MA07: Davenport Green to Ardwick | |

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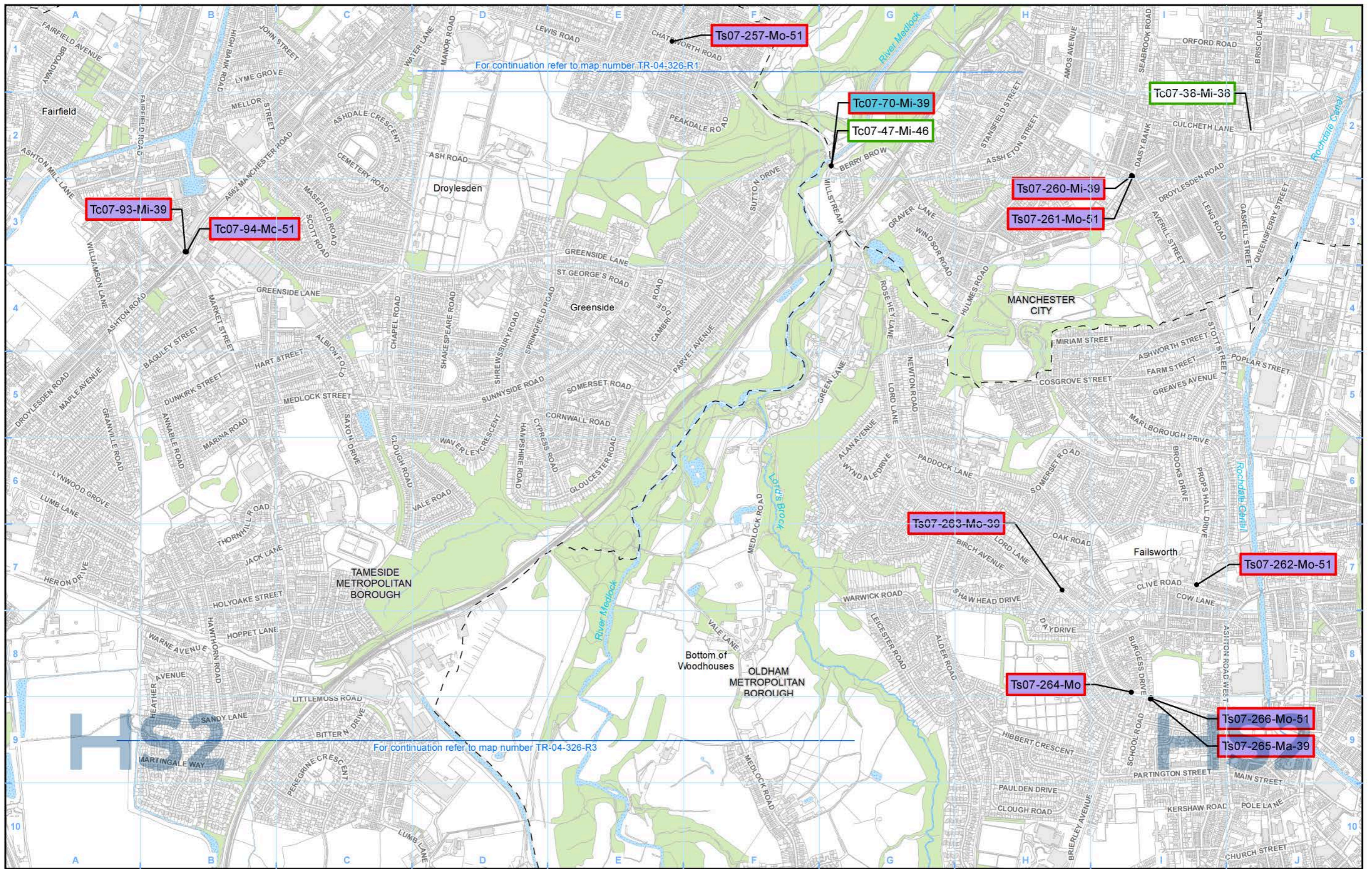
Doc Number: 2PT27-MWJ-EV-MAP-M000-002913-P01

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Metres

Date: 03/05/23

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For continuation refer to map number TR-04-326-R1

For continuation refer to map number TR-04-326-R3

Legend

| | | | |
|--|--|--|-------------|
| | Route in tunnel | | Watercourse |
| | Route on surface | | Water body |
| | Depot, station, headhouse or portal building | | Woodland |
| | Community area boundary | | |
| | County boundary | | |
| | District/Borough boundary | | |

| | |
|---|---|
| Operational significant effects arising as a result of the current SES/AP: | Operational significant effects unchanged as a result of the current SES/AP: |
| | |
| | |
| | |
| | |

For full legend please refer to TR-04 legend page.

Map Number: **TR-04-326-R2**

Map Name: **Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES**

Community Area MA07: **Davenport Green to Ardwick**

HS2

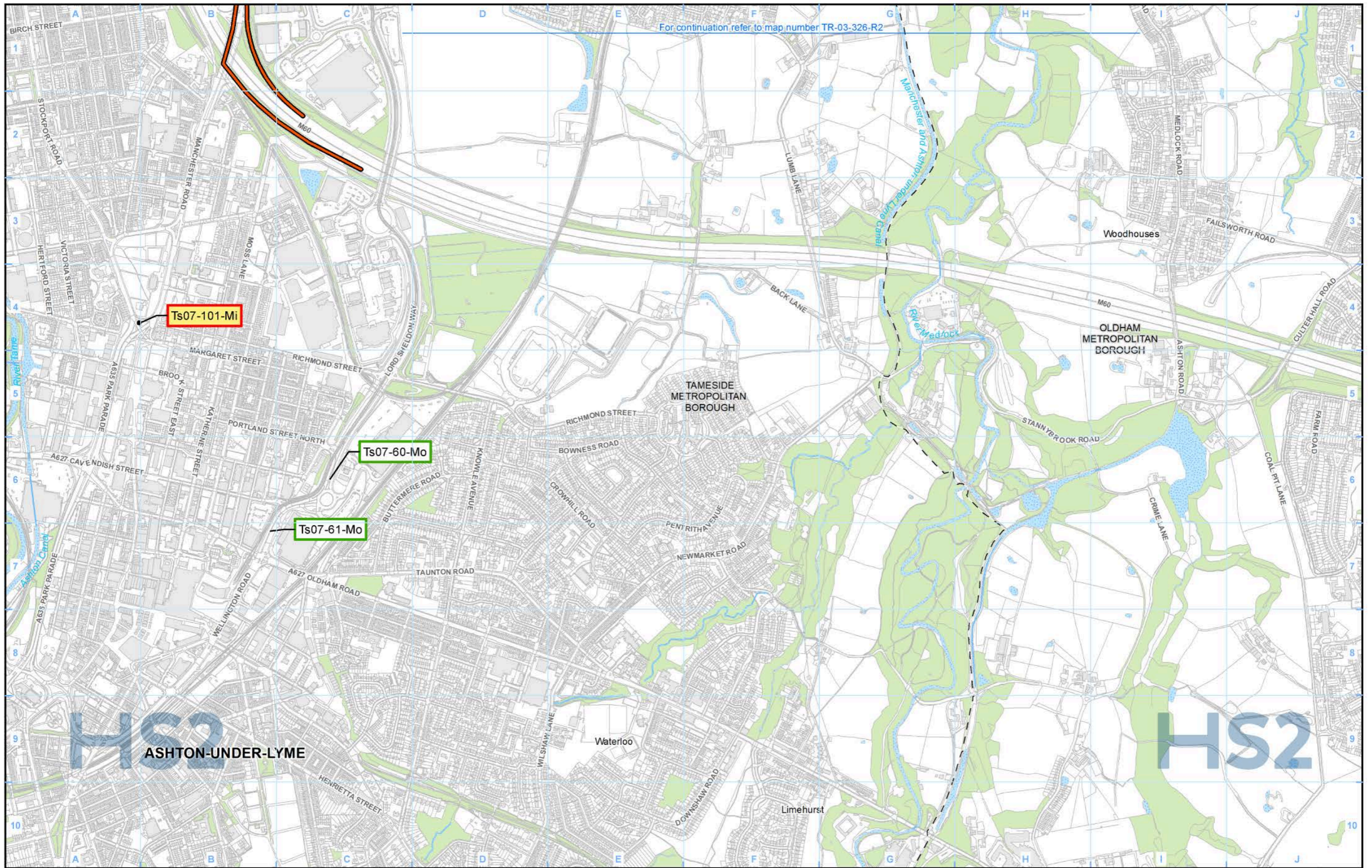
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Date: 13/04/23



For continuation refer to map number TR-03-326-R2

| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | | For full legend please refer to TR-03 legend page. | |
|--------|---|---|-----------------------------|---|-----------------------|--|-----------------------|
| | Route in tunnel | | Watercourse | | Adverse, permanent | | Adverse, permanent |
| | Route on surface | | Water body | | Adverse, temporary | | Adverse, temporary |
| | Depot, station, headhouse or portal building | | Woodland | | Beneficial, temporary | | Beneficial, temporary |
| | Land potentially required during construction | | Construction traffic routes | | Beneficial, permanent | | Beneficial, permanent |
| | Community area boundary | | | | | | |
| | County boundary | | | | | | |
| | District/Borough boundary | | | | | | |

| | |
|------------|--|
| Map Number | TR-03-326-R3 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA07: Davenport Green to Ardwick |

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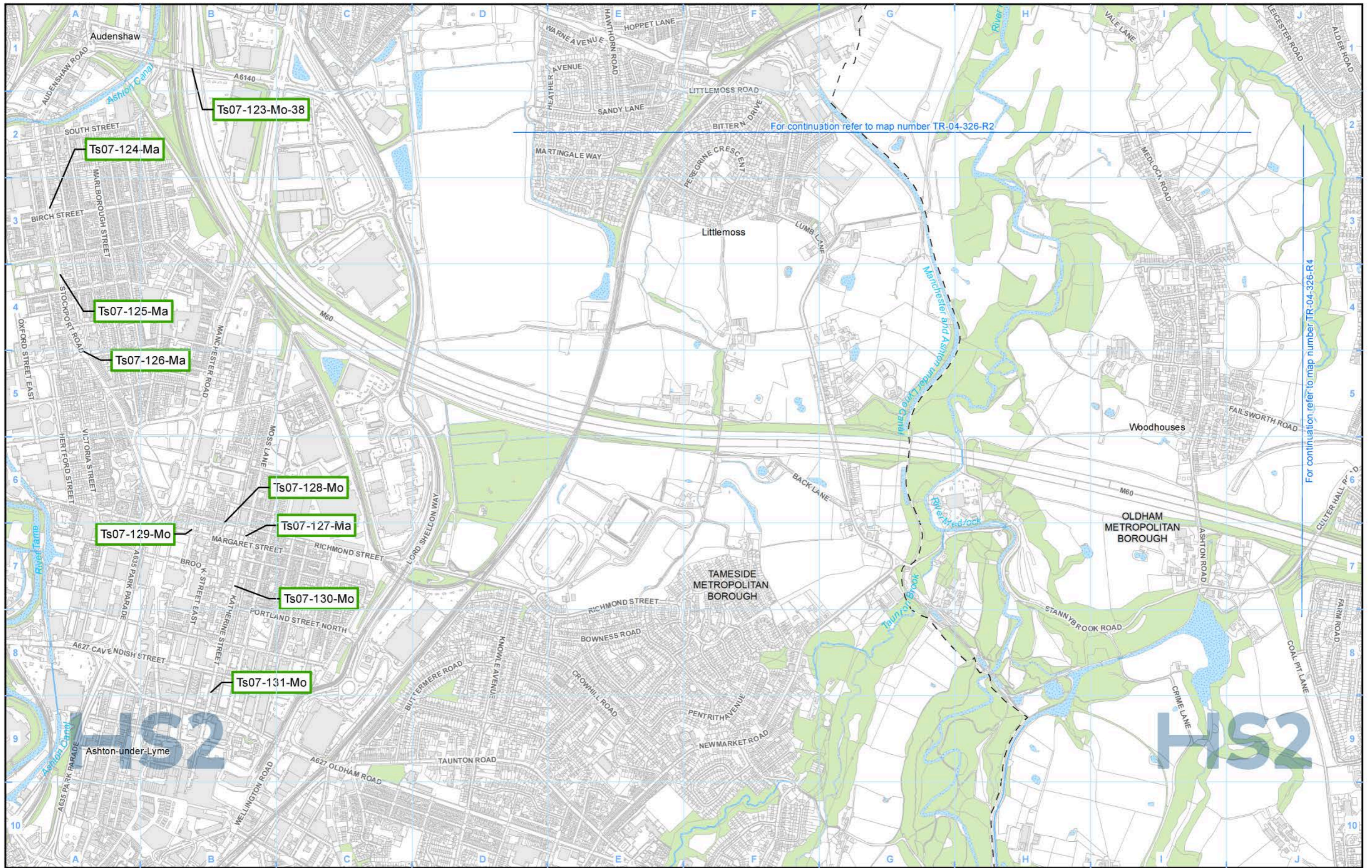
Doc Number: 2PT27-MWJ-EV-MAP-M000-003739-P01

Scale at A3: 1:10,000

Metres

Date: 03/05/23

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For continuation refer to map number TR-04-326-R2

For continuation refer to map number TR-04-326-R4

- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary
 - Watercourse
 - Water body
 - Woodland

- Operational significant effects arising as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: **TR-04-326-R3**

Map Name: **Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES**

Community Area MA07: **Davenport Green to Ardwick**

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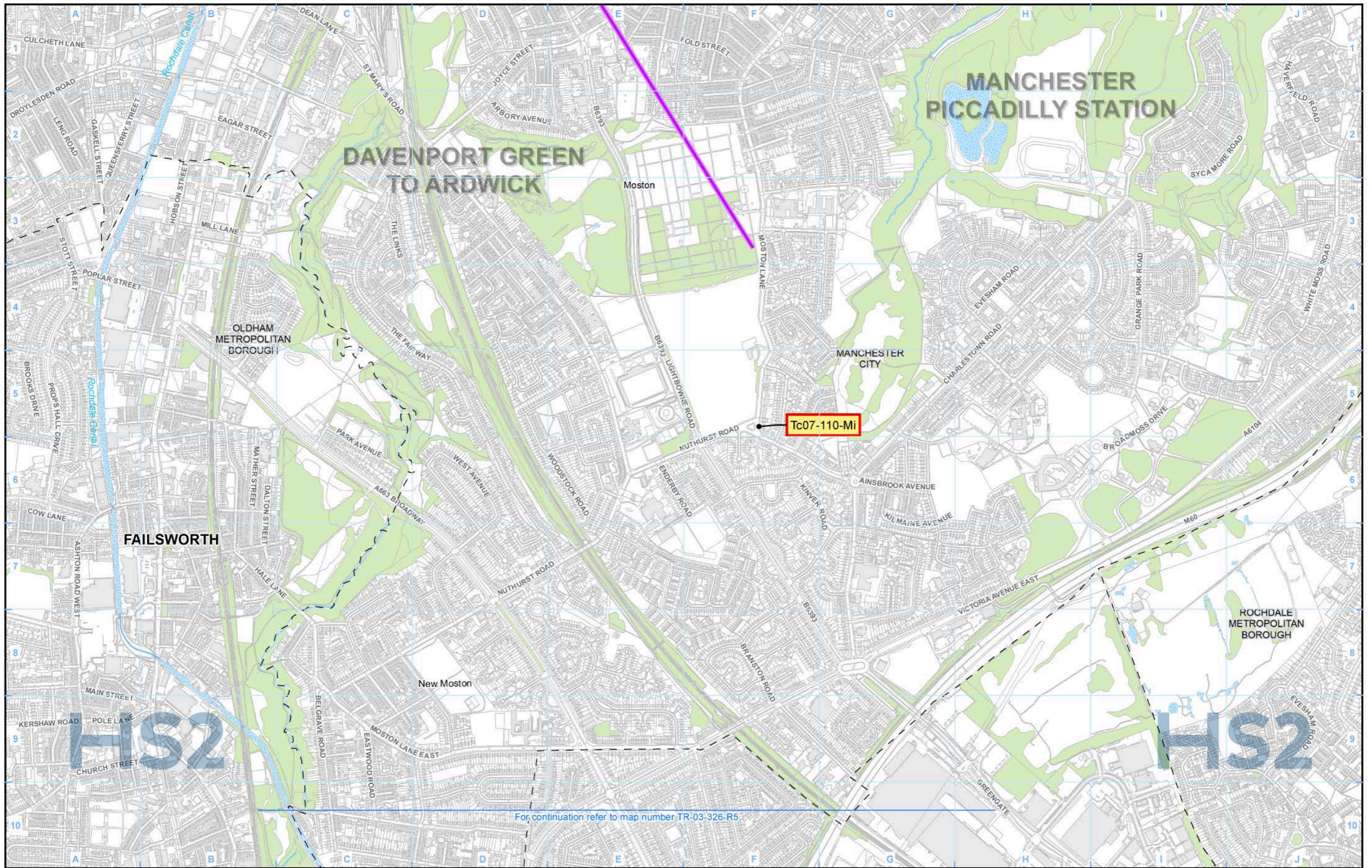
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Date: 13/04/23

Scale at A3: 1:10,000

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| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | | For full legend please refer to TR-03 legend page. | |
|--------|---|---|-----------------------|---|-----------------------|--|--|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent | | |
| | Route on surface | | Adverse, temporary | | Adverse, temporary | | |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary | | |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent | | |
| | Community area boundary | | | | | | |
| | County boundary | | | | | | |
| | District/Borough boundary | | | | | | |
| | Watercourse | | | | | | |
| | Water body | | | | | | |
| | Woodland | | | | | | |
| | Construction traffic routes | | | | | | |

Map Number: TR-03-326-R4

Map Name: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES

Community Area MA07: Davenport Green to Ardwick

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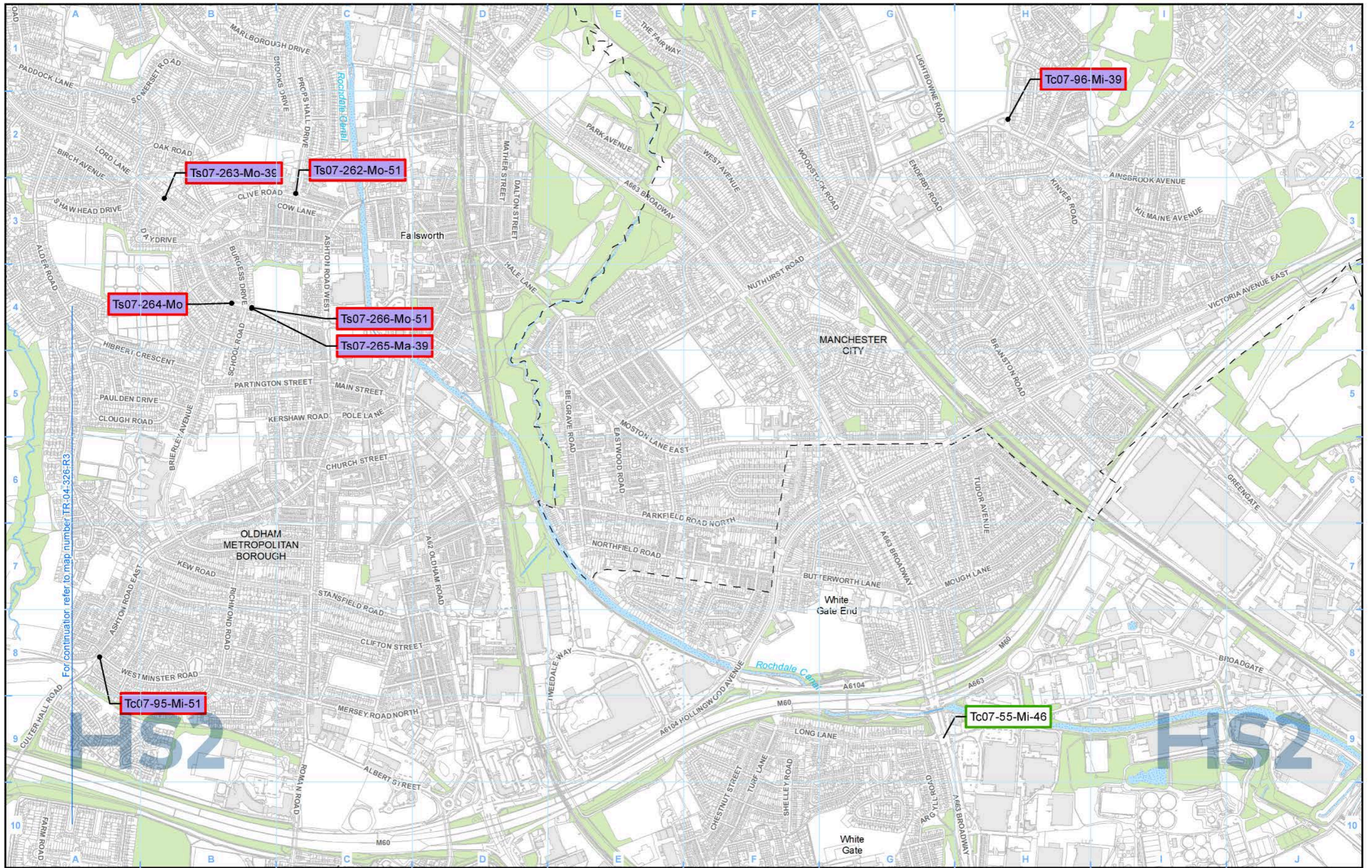
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Date: 03/05/23

Scale at A3: 1:10,000

Metres



For continuation, refer to map number TR-04-326-R3

| Legend | | Operational significant effects arising as a result of the current SES/AP: | |
|--------|--|--|-----------------------|
| | Route in tunnel | | Adverse, permanent |
| | Route on surface | | Adverse, temporary |
| | Depot, station, headhouse or portal building | | Beneficial, temporary |
| | Community area boundary | | Beneficial, permanent |
| | County boundary | | |
| | District/Borough boundary | | |
| | Watercourse | | |
| | Water body | | |
| | Woodland | | |

For full legend please refer to TR-04 legend page.

| | |
|------------|---|
| Map Number | TR-04-326-R4 |
| Map Name | Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES |
| | Community Area MA07: Davenport Green to Ardwick |

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Scale at A3: 1:10,000

Metres

Date: 13/04/23

For continuation refer to map number TR-03-326-R4



| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | | For full legend please refer to TR-03 legend page. |
|--------|---|---|-----------------------|---|-----------------------|--|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent | |
| | Route on surface | | Adverse, temporary | | Adverse, temporary | |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary | |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent | |
| | Community area boundary | | | | | |
| | County boundary | | | | | |
| | District/Borough boundary | | | | | |
| | Watercourse | | | | | |
| | Water body | | | | | |
| | Woodland | | | | | |
| | Construction traffic routes | | | | | |

| | |
|---|--|
| Map Number | TR-03-326-R5 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area MA07: Davenport Green to Ardwick | |

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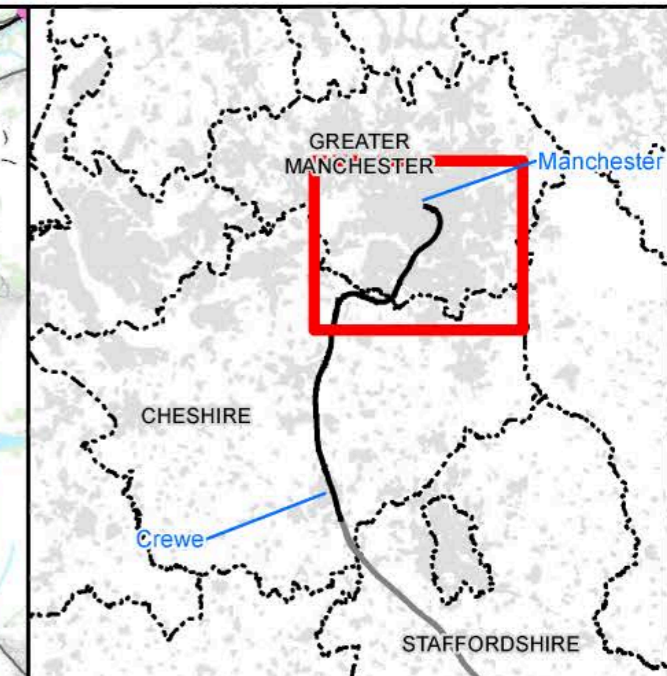
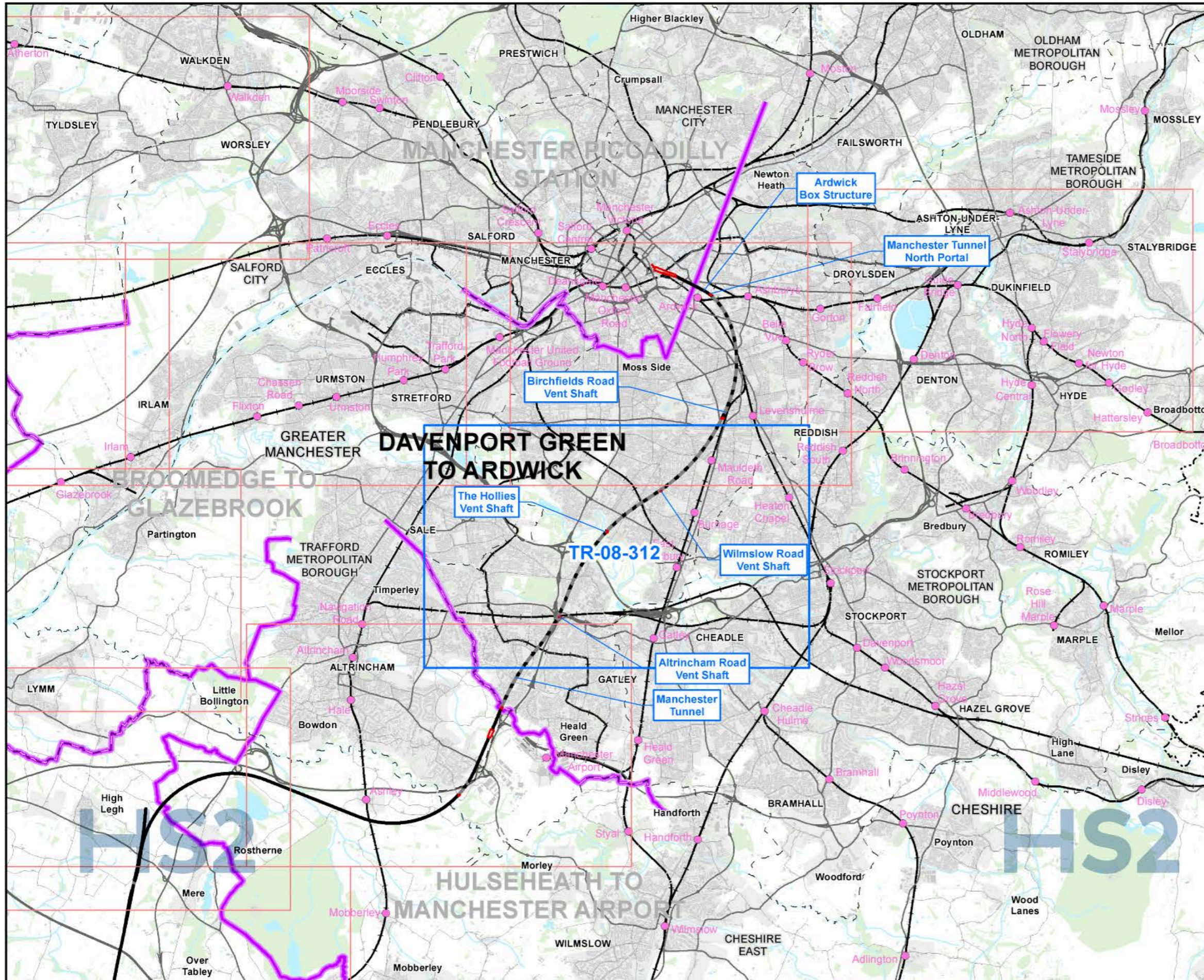
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Date: 03/05/23

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Map Series Information:

This map series identifies the construction routes to the strategic network for each CA. This shows the construction and site-haul routes from each compound and the through routes for both construction and site-haul. The maps also show the locations of the construction compound.

- Main Map Legend**
- Route in tunnel; Underground Box
 - 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: TR-08-INDEX-MA07

Map Name: Index Map of: Construction Routes to the Strategic Network SES2 and AP2 ES

Community Area MA07: Davenport Green to Ardwick

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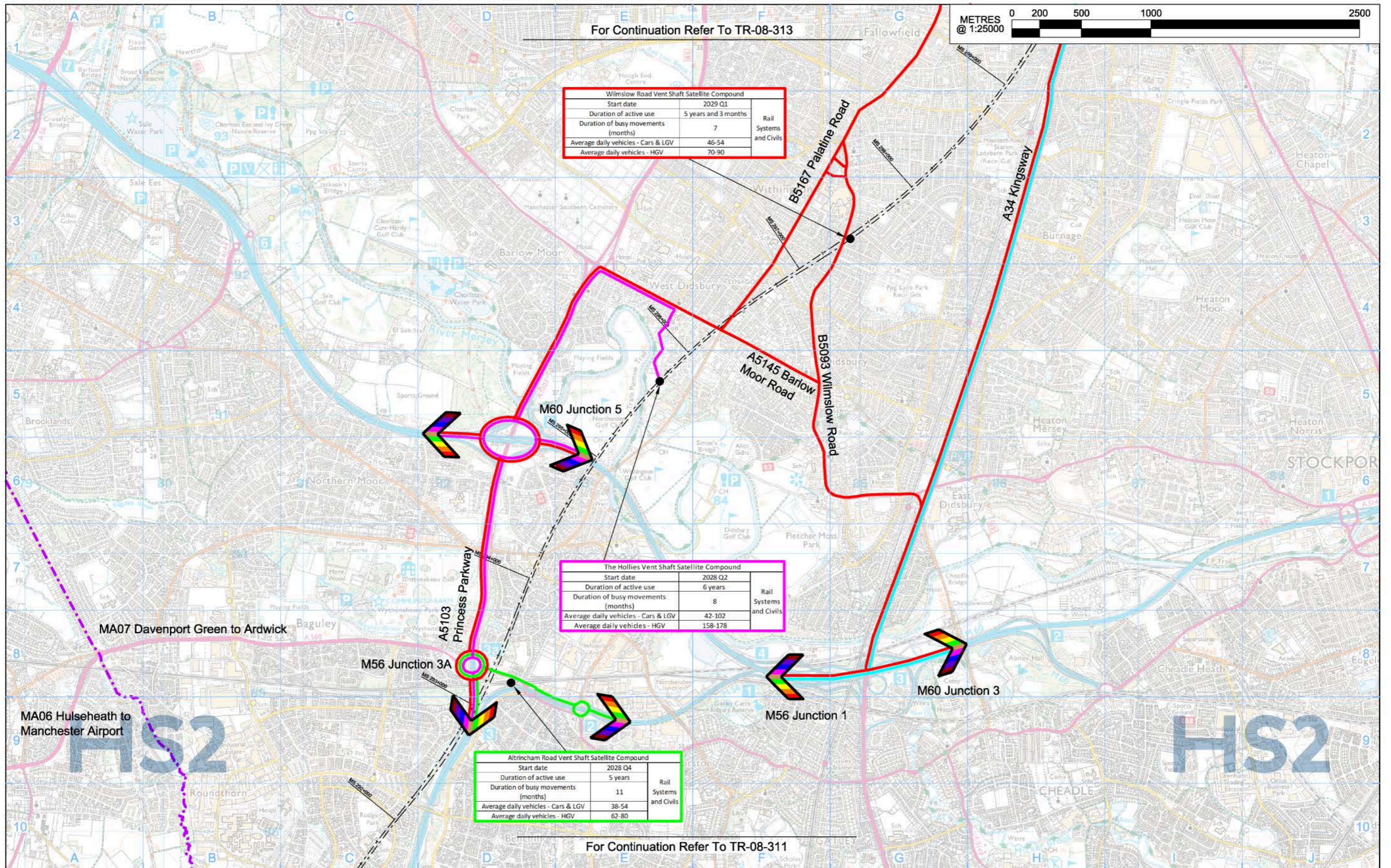
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Doc Number: 2PT27-MWJ-EV-MAP-M000-002241-P01

Date: 29/03/23



For Continuation Refer To TR-08-313



| Wilmslow Road Vent Shaft Satellite Compound | | |
|---|----------------------|-------------------------|
| Start date | 2029 Q1 | Rail Systems and Civils |
| Duration of active use | 5 years and 3 months | |
| Duration of busy movements (months) | 7 | |
| Average daily vehicles - Cars & LGV | 46-54 | |
| Average daily vehicles - HGV | 70-90 | |

| The Hollies Vent Shaft Satellite Compound | | |
|---|---------|-------------------------|
| Start date | 2028 Q2 | Rail Systems and Civils |
| Duration of active use | 6 years | |
| Duration of busy movements (months) | 8 | |
| Average daily vehicles - Cars & LGV | 42-102 | |
| Average daily vehicles - HGV | 158-178 | |

| Altrincham Road Vent Shaft Satellite Compound | | |
|---|---------|-------------------------|
| Start date | 2028 Q4 | Rail Systems and Civils |
| Duration of active use | 5 years | |
| Duration of busy movements (months) | 11 | |
| Average daily vehicles - Cars & LGV | 38-54 | |
| Average daily vehicles - HGV | 62-80 | |

For Continuation Refer To TR-08-311

| | | | | |
|---|--|---|---|--|
| Legend Compound Traffic Routes Site Haul to Compound Through Construction Traffic Routes (To/From Other Scheme Compounds) HS2 Route Onward Construction Routes Community Area boundary Through Site Haul to Compound (To/From Other Scheme Compounds) Movement of Excavated Material Construction Compounds | | The compound start dates and estimated duration of active use are based on the Indicative Construction Programme included in the volume 2 Community Area reports. Traffic figures represent two way trips. | Map Number TR-08-312 Map Name Construction Routes to the Strategic Road Network Community Area MA07 Davenport Green to Ardwick | Registered in England Registration No. 06791886 Registered office 2 Snow Hill, Queensway, Birmingham, B4 6QA © Crown copyright and database rights 2022. Ordnance Survey Licence Number 100049190. Doc Number: 2PT27-MWJ-TM-DPL-M003-312000 P02 Date: 08/02/23 |
|---|--|---|---|--|

Rail system compounds are shown where they are likely to generate more than 24 HGV movements a day in the peak month (average two-way) or are associated with a construction civil engineering works compound
 For TR08 drawing route see 2D301-MWJ-TM-DPL-M002-300000

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High Speed Rail (Crewe – Manchester)

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

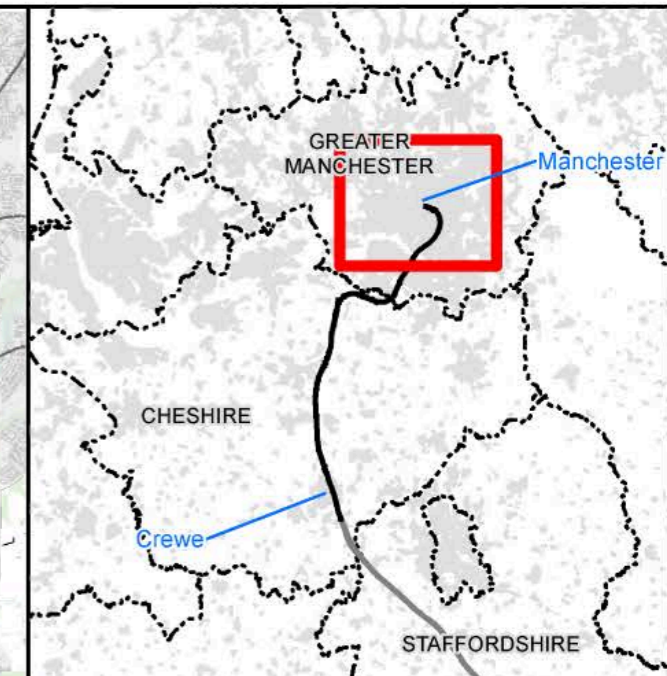
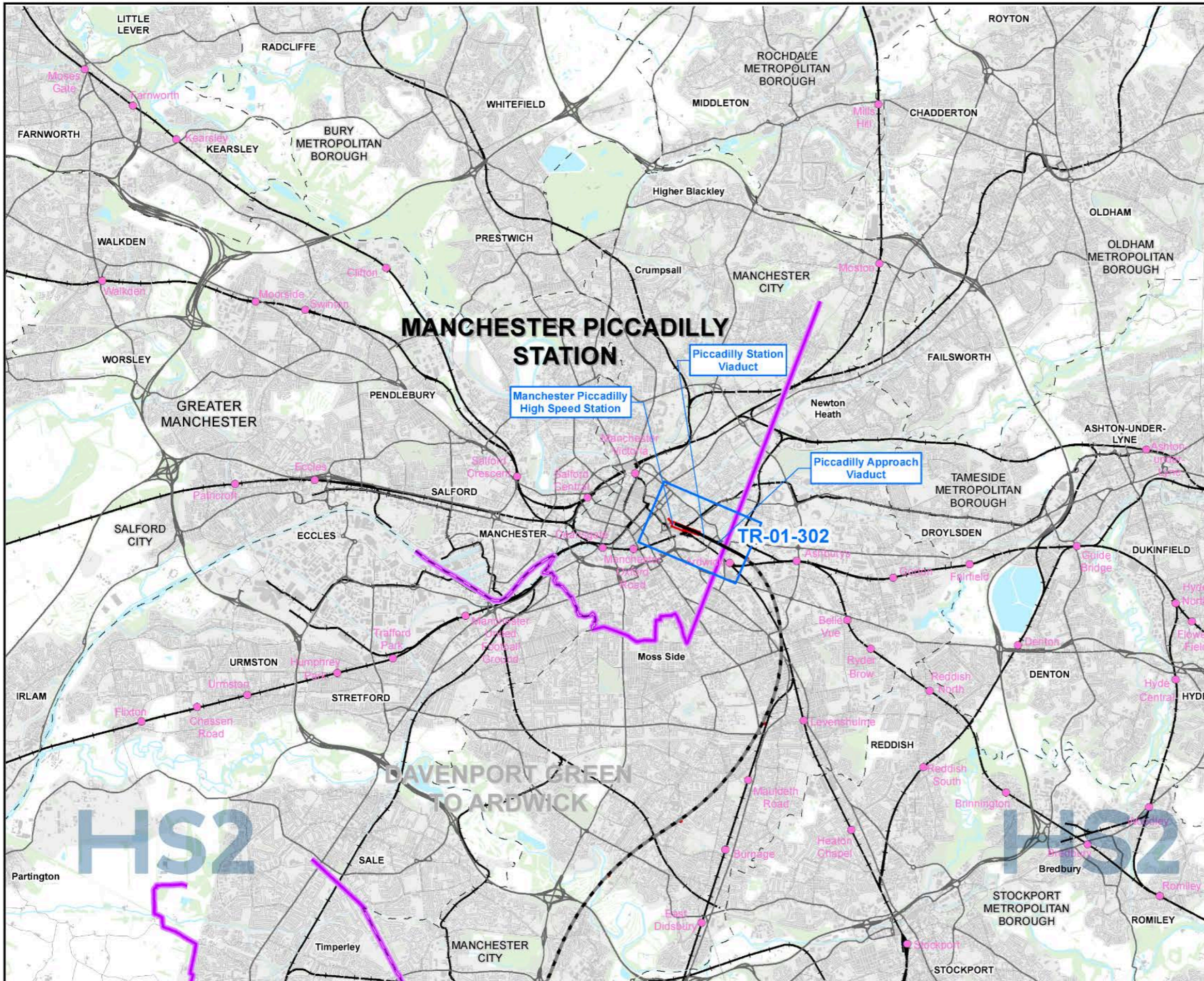
MA08: Manchester Piccadilly Station

TR-01 - Station Impacts (Operational)

TR-03 - Significant Residual Transport Effects Arising during Construction
and Construction Traffic Routes

TR-04 - Significant Residual Transport Effects Arising from Operation

TR-08 - Construction Routes to the Strategic Network



Map Series Information:

These maps identify the station impacts and modal station access and facilities at HS2 station buildings once the new/enhanced stations are operational. This includes station building access, pedestrian links, cycle links and parking, bus links (including bus stops), links to conventional rail and Local Underground, taxi access and ranks, and car parking.

- 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
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Map Number: TR-01-INDEX-MA08

Map Name: Index Map of: Station Impacts (Operational) SES2 and AP2 ES

Community Area MA08: Manchester Piccadilly Station

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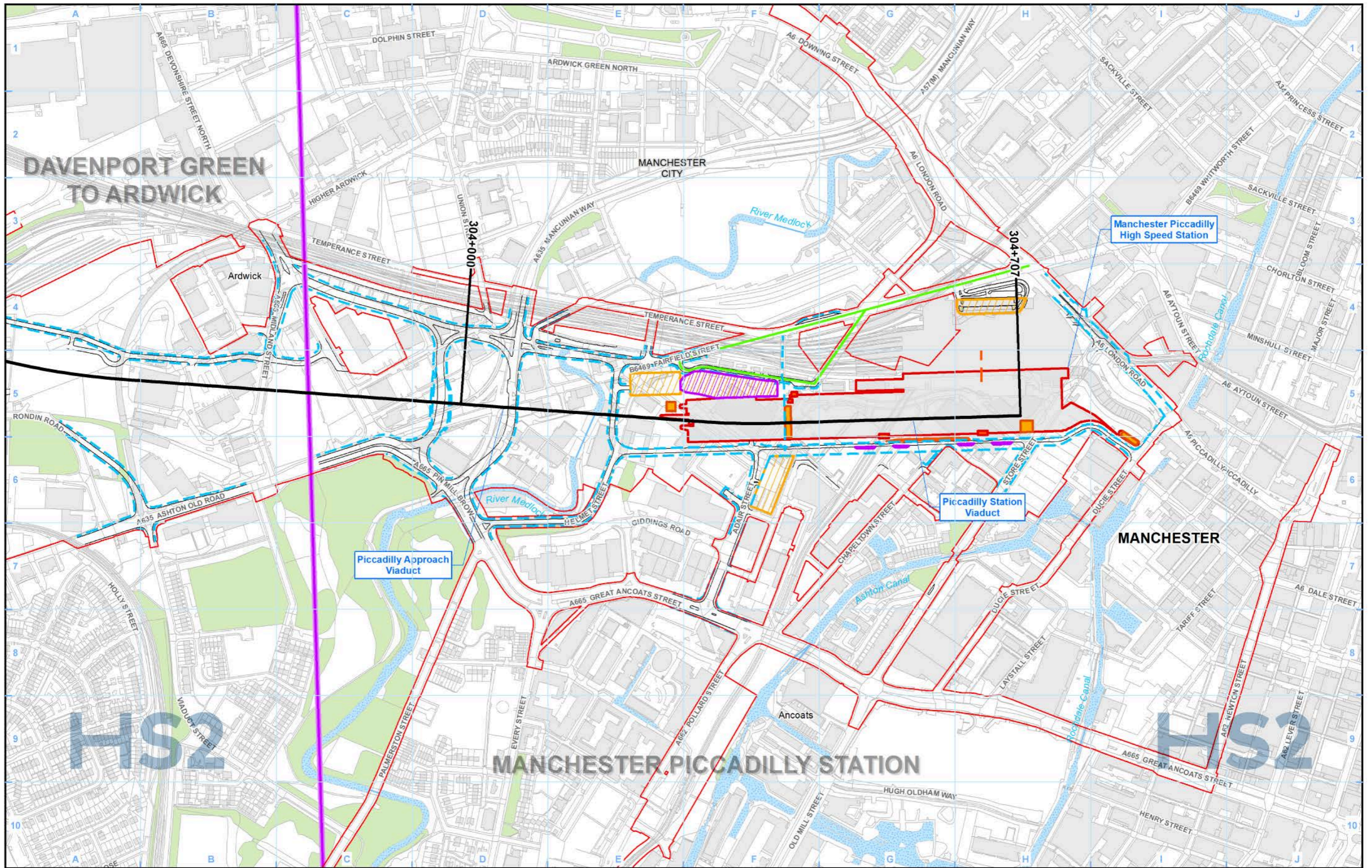
Doc Number: 2PT27-MWJ-EV-MAP-M000-002414-P01

Date: 24/03/23

Scale at A3: 1:75,000

0 750 1 500 2 250 3 000 Metres

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



| Legend | | | |
|--------|---|--|----------------------------|
| | Route in tunnel | | Watercourse |
| | Route on surface | | Water body |
| | Depot, station, headhouse or portal building | | Woodland |
| | Land potentially required during construction | | Station access points |
| | Community area boundary | | Potential bus links |
| | County boundary | | Kiss and ride |
| | District/Borough boundary | | Car parks |
| | | | Private hire |
| | | | Link to classic rail |
| | | | Pedestrian and cycle links |
| | | | Taxi ranks |
| | | | Bus and or coach stops |

| | |
|------------|---|
| Map Number | TR-01-302 |
| Map Name | Station Impacts (Operational) SES2 and AP2 ES |
| | Community Area MA08: Manchester Piccadilly Station |

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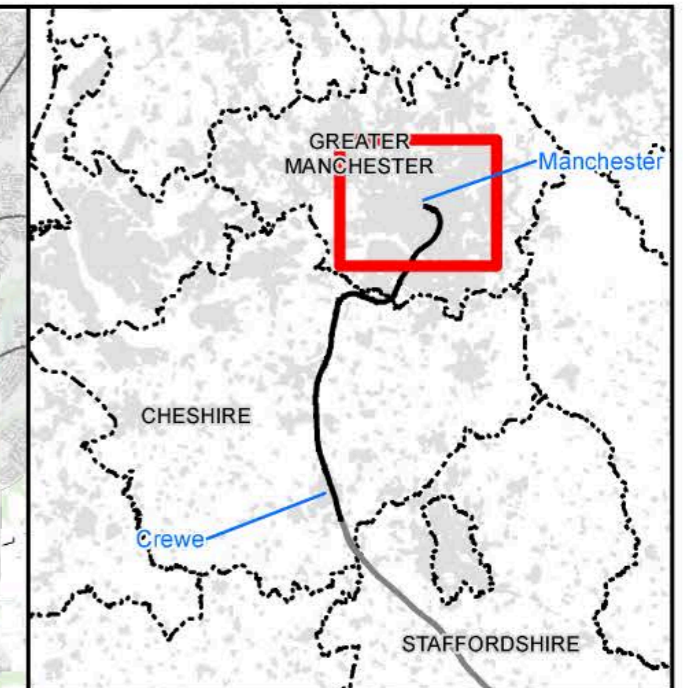
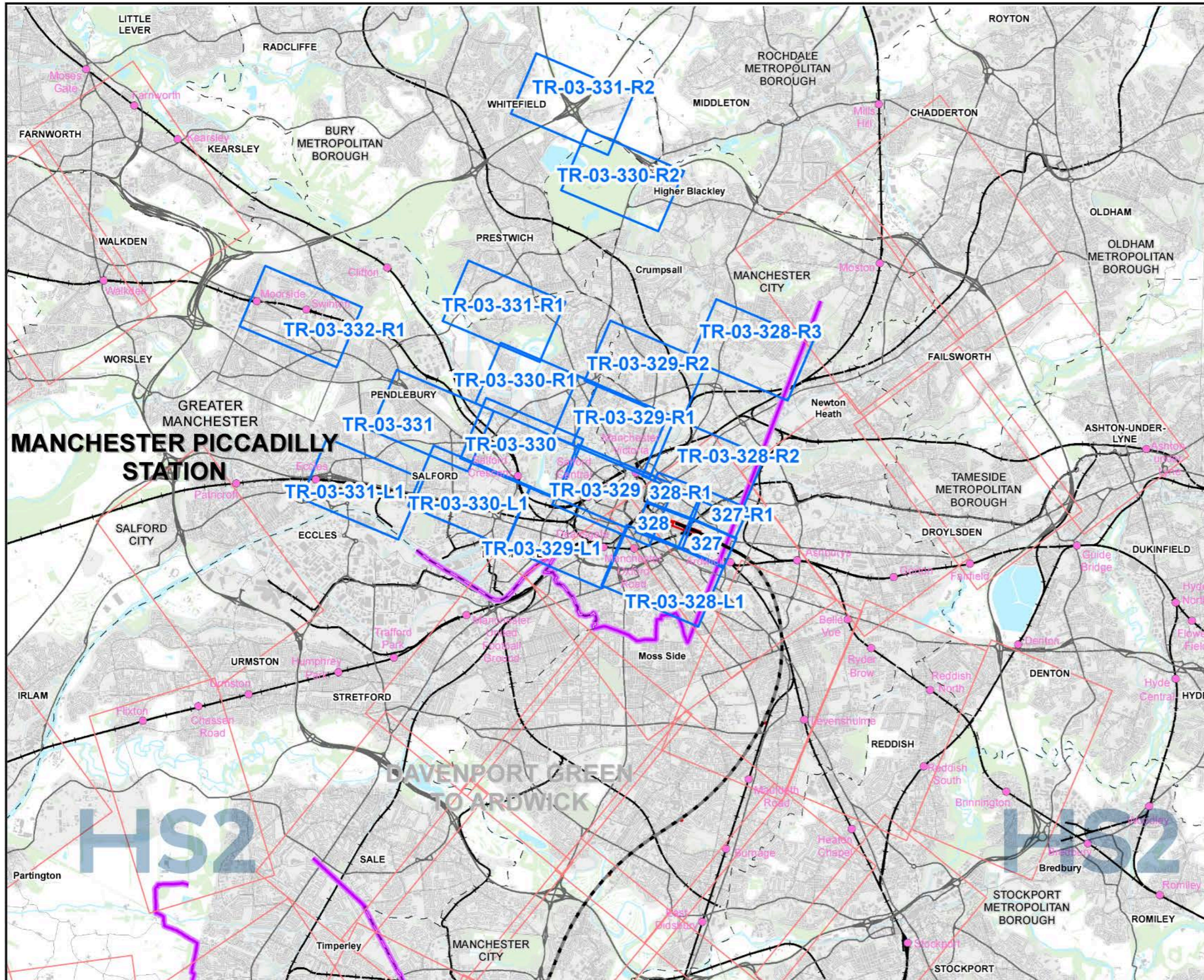
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Doc Number: 2PT27-MWJ-EV-MAP-M000-002142-P01

Scale at A3: 1:5,000

Metres

Date: 24/03/23



Map Series Information:

This map series identifies the significant residual transport effects arising from construction of the Proposed Scheme and the construction traffic routes. Traffic routes are the identified routes which Heavy Goods Vehicles (HGVs) will use between compounds and the main A road/ strategic road network within each CA. The effects include those that are temporary (adverse/beneficial) from transport related impacts as a result of the Proposed Scheme on the transport network and the level of significance of those effects (minor, moderate or major).

- 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 | TR-03-INDEX-MA08 |
| Map Name | Index Map of: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| Community Area MA08: Manchester Piccadilly Station | |

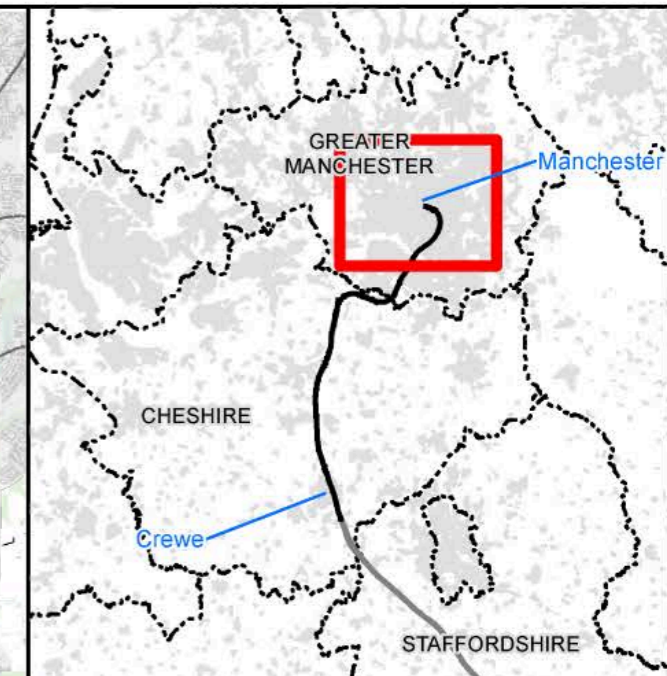
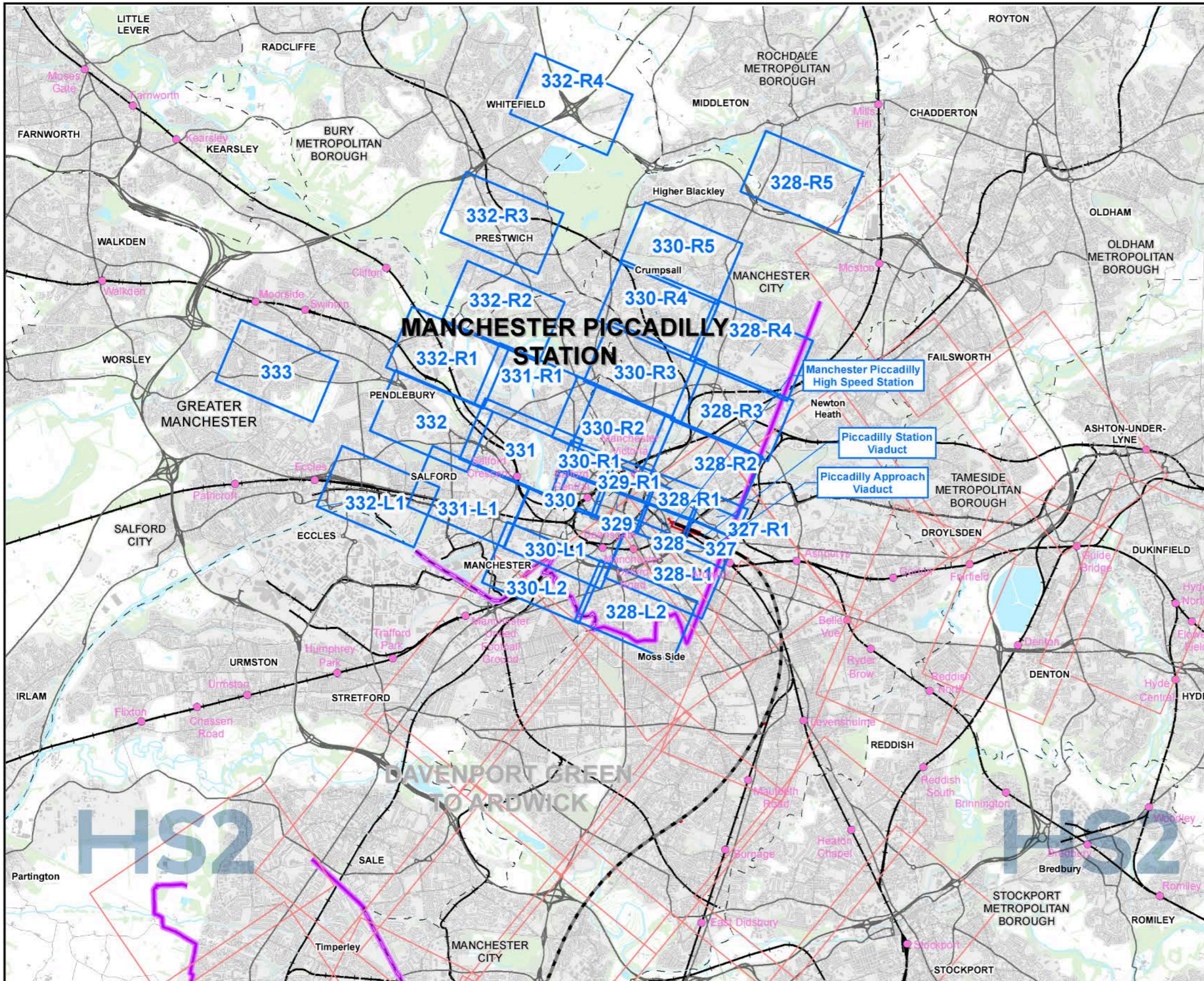
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Doc Number: 2PT27-MWJ-EV-MAP-M000-002185-P01 Date: 03/05/23



Map Series Information:

Identifies the significant residual transport effects during the operation of HS2 for each CA. The effects include those that are permanent (adverse/beneficial) from transport-related impacts as a result of the Proposed Scheme (and mitigation) on the existing transport network and the level of significance of those effects (minor, moderate or major) for the two forecast years 2039 (Opening Year) and 2051 (Design Year).

- 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: TR-04-INDEX-MA08

Map Name: Index Map of:
Significant Residual Transport
Effects Arising from Operation
SES2 and AP2 ES
Community Area MA08:
Manchester Piccadilly Station

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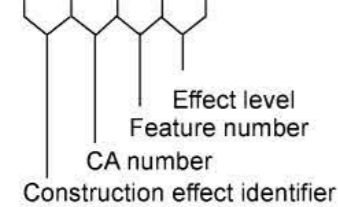
Date: 13/04/23

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

Significant effect label:

Significant effect reference:

PT01-01-Mi



Construction effect identifier:

- PT - Public transport delay
- D - Disruption at stations / interchanges
- Tc - Traffic congestion and delays to vehicle occupants
- Td - Traffic diversion
- Ts - Traffic severance - non-motorised users
- P - Parking and loading
- V - Vulnerable road user delays, amenity and ambience
- A - Accidents and safety
- S - Severance
- W - Waterways

Effect level:

- Mi - Minor
- Mo - Moderate
- Ma - Major

Where a significant effect has been changed due to a correction to mapping produced in the main ES or previous SES/AP, the significant effect reference is suffixed with a double asterisk (**). The map now shows the correct effect.

The colour of the border around each significant effect arising from the current SES/AP and the significant effect descriptor denotes whether the effect is added or removed or there is a change to the type (i.e. adverse/beneficial) or level of effect (i.e. major/moderate/minor) in a given forecast year at the current SES/AP.

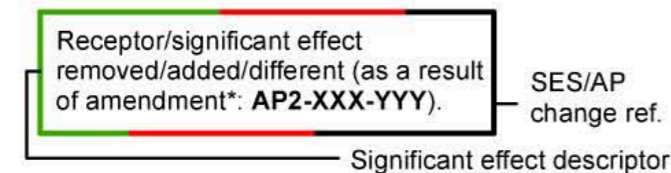
Where the colour of the border is black but the type and level of the significant effect are unchanged from those shown in the MA06-08 and ORW Community Area Map Books in the main ES or the MA01-05 Community Area Map Books in the previous SES/AP, this denotes that the current SES/AP will give rise to a different (increased/decreased) significant effect but will not change the level of significance of the effect.

Removed effect Added effect Different effect

Where there is no colour border around a label with a white background, this denotes a correction to a significant effect that was previously mapped but did not represent a significant effect within the assessment.

Significant effect descriptor:

Where the change in effect is directly attributable to a specific SES/AP change, this is denoted by the following significant effect descriptor:



Where the change in effect is caused by a combination of SES/AP changes, no significant effect descriptor is provided.

HS2

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| | |
|------------|--|
| Map Number | TR-03 - Legend |
| Map Name | TR-03 - Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes - SES2 and AP2 ES |

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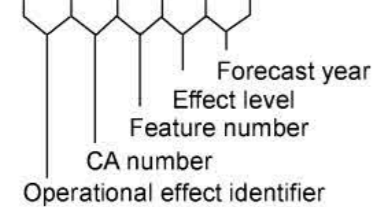
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Doc Number: 2PT27-MWJ-EV-MAP-M000-004135-P01 Date: 03/05/23

Significant effect label:

Significant effect reference:

PT01-01-Mi-39



Operational effect identifier:

- PT - Public transport delay
- D - Disruption at stations / interchanges
- Tc - Traffic congestion and delays to vehicle occupants
- Td - Traffic diversion
- Ts - Traffic severance - non-motorised users
- P - Parking and loading
- V - Vulnerable road user delays, amenity and ambience
- A - Accidents and safety
- S - Severance
- W - Waterways

Effect level:

- Mi - Minor
- Mo - Moderate
- Ma - Major

Forecast year:

- 39 - Significant effect in 2039
- 51 - Significant effect in 2051
- Missing - Significant effect in both forecast years

Significant effects identified in the main ES or previous SES/AP for 2038 that are unchanged in the current SES/AP assessments are now relabelled as 2039 to reflect the change in forecast year.

Significant effects identified in the main ES for 2046 that are unchanged in the current SES/AP assessments are now relabelled as 2051 to reflect the change in forecast year.

Where a significant effect is added or changed in one or both forecast years resulting in effects of the same type (i.e. adverse/beneficial) and level (i.e. minor/moderate/major) in the same location in both forecast years in the current SES/AP, the effects are labelled separately for each forecast year but have the same feature number.

Where a significant effect has been changed due to a correction to mapping produced in the main ES or previous SES/AP, the significant effect reference is suffixed with a double asterisk (**). The map now shows the correct effect.

The colour of the border around each significant effect arising from the current SES/AP and the significant effect descriptor denotes whether the effect is added or removed or there is a change to the type (i.e. adverse/beneficial) or level of effect (i.e. major/moderate/minor) in a given forecast year at the current SES/AP.

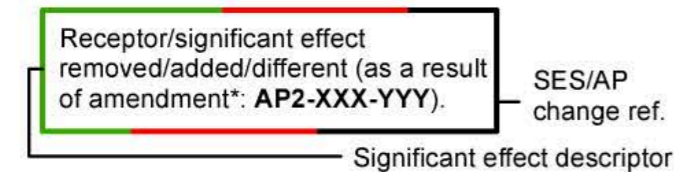
Where the colour of the border is black but the type and level of the significant effect are unchanged from those shown in the MA06-08 and ORW Community Area Map Books in the main ES or the MA01-05 Community Area Map Books in the previous SES/AP, this denotes that the current SES/AP will give rise to a different (increased/decreased) significant effect but will not change the level of significance of the effect.

Removed effect Added effect Different effect

Where there is no colour border around a label with a white background, this denotes a feature that was previously mapped but did not represent a significant effect within the assessment.

Significant effect descriptor:

Where the change in effect is directly attributable to a specific SES/AP change, this is denoted by the following significant effect descriptor:



Where the change in effect is caused by a combination of SES/AP changes, no significant effect descriptor is provided.

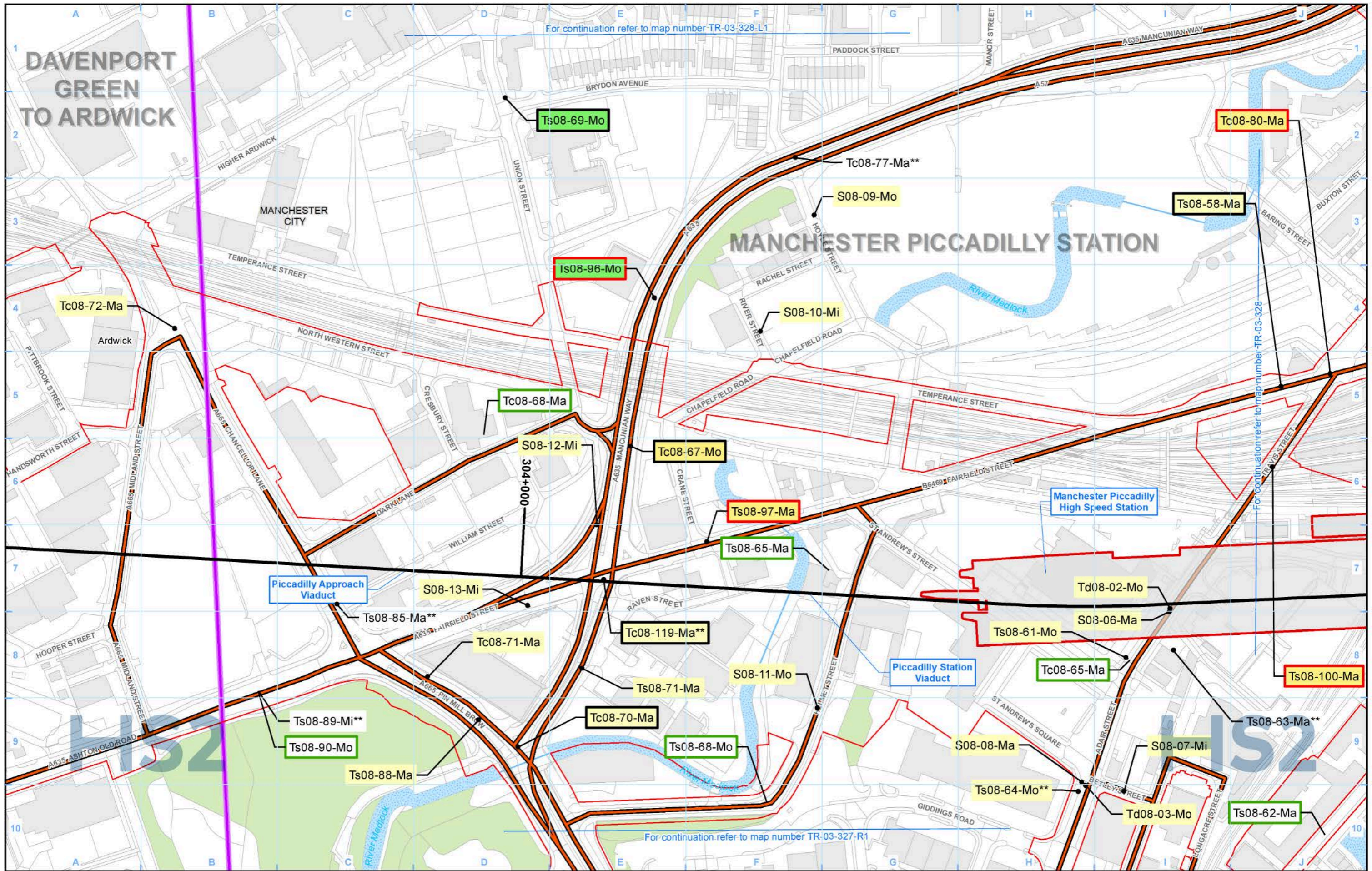


| | |
|------------|---|
| Map Number | TR-04 - Legend |
| Map Name | Significant Residual Transport Effects Arising from Operation SES2 and AP2 ES |

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| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | |
|--------|---|---|-----------------------|---|-----------------------|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent |
| | Route on surface | | Adverse, temporary | | Adverse, temporary |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent |
| | Community area boundary | | | | |
| | County boundary | | | | |
| | District/Borough boundary | | | | |
| | Watercourse | | | | |
| | Water body | | | | |
| | Woodland | | | | |
| | Construction traffic routes | | | | |

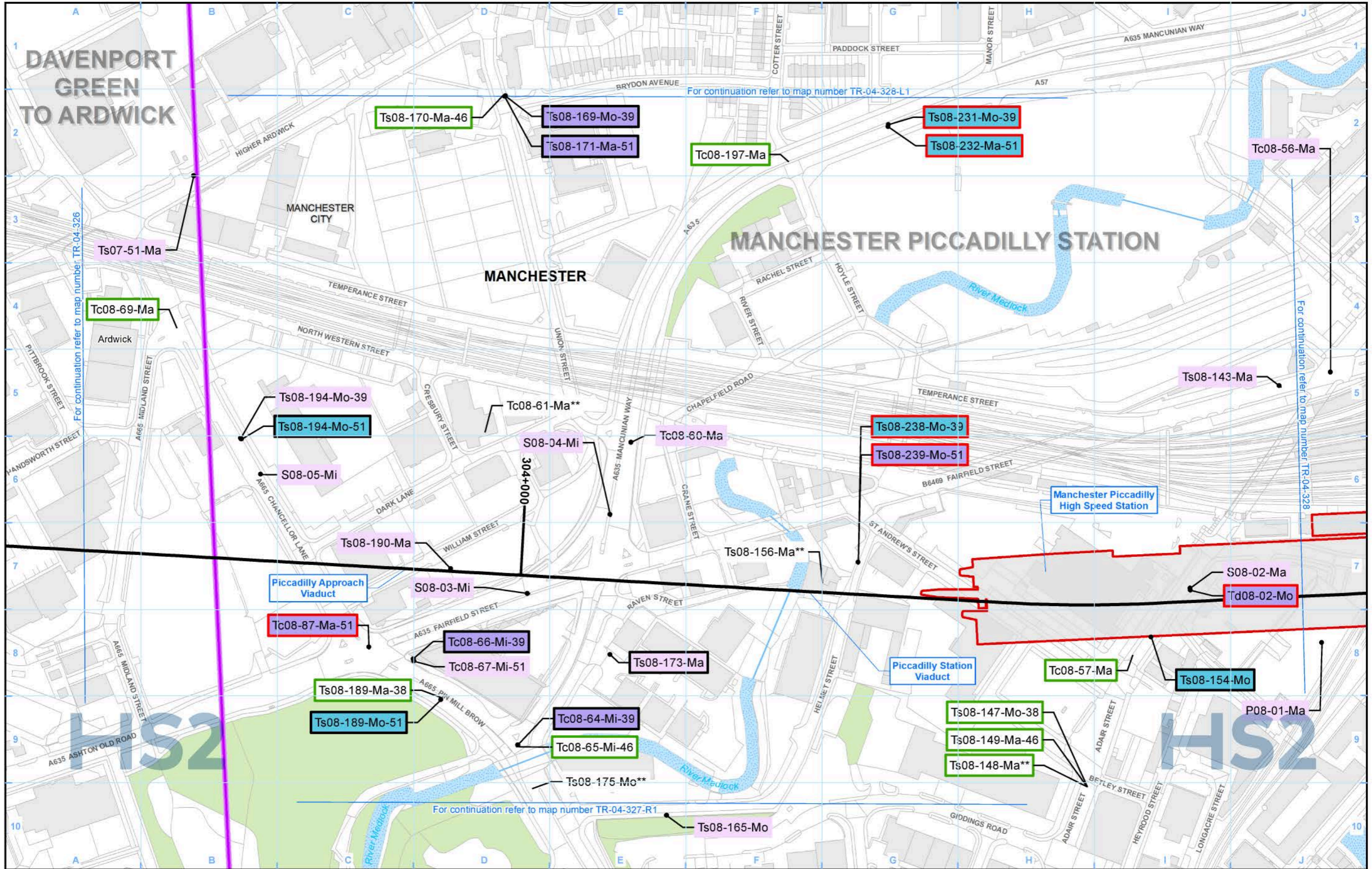
For full legend please refer to TR-03 legend page.

Map Number: TR-03-327
 Map Name: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES
 Community Area MA08: Manchester Piccadilly Station

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 Doc Number: 2PT27-MWJ-EV-MAP-M000-004677-P01 Date: 03/05/23

Scale at A3: 1:2,500



- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary
 - Watercourse
 - Water body
 - Woodland

- Operational significant effects arising as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-327

Map Name: Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES

Community Area MA08: Manchester Piccadilly Station

HS2

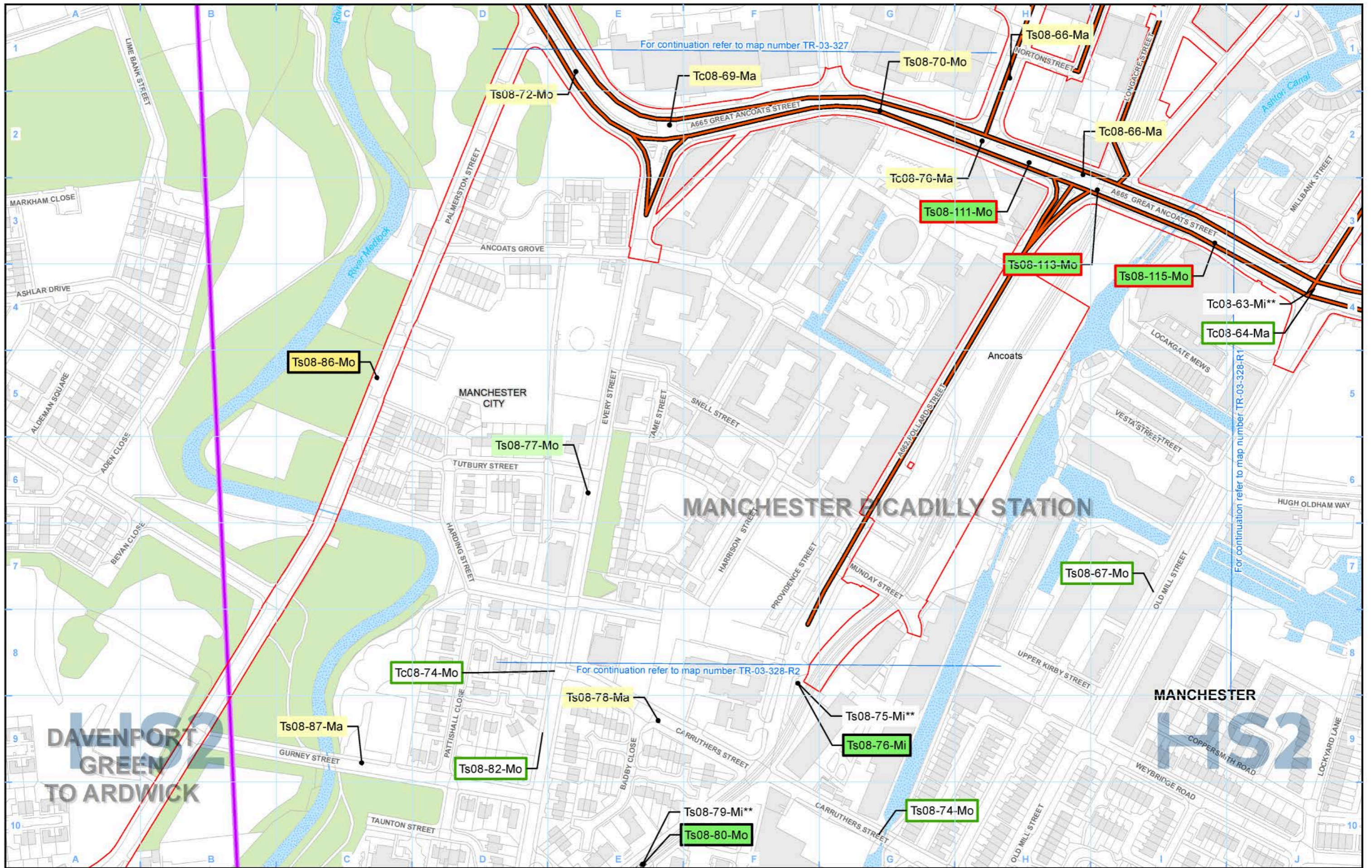
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Date: 13/04/23



For continuation refer to map number TR-03-327

For continuation refer to map number TR-03-328-R2

For continuation refer to map number TR-03-328-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
- Construction traffic routes

- Construction significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

- Construction significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-03 legend page.

Map Number: TR-03-327-R1

Map Name: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES

Community Area MA08: Manchester Piccadilly Station

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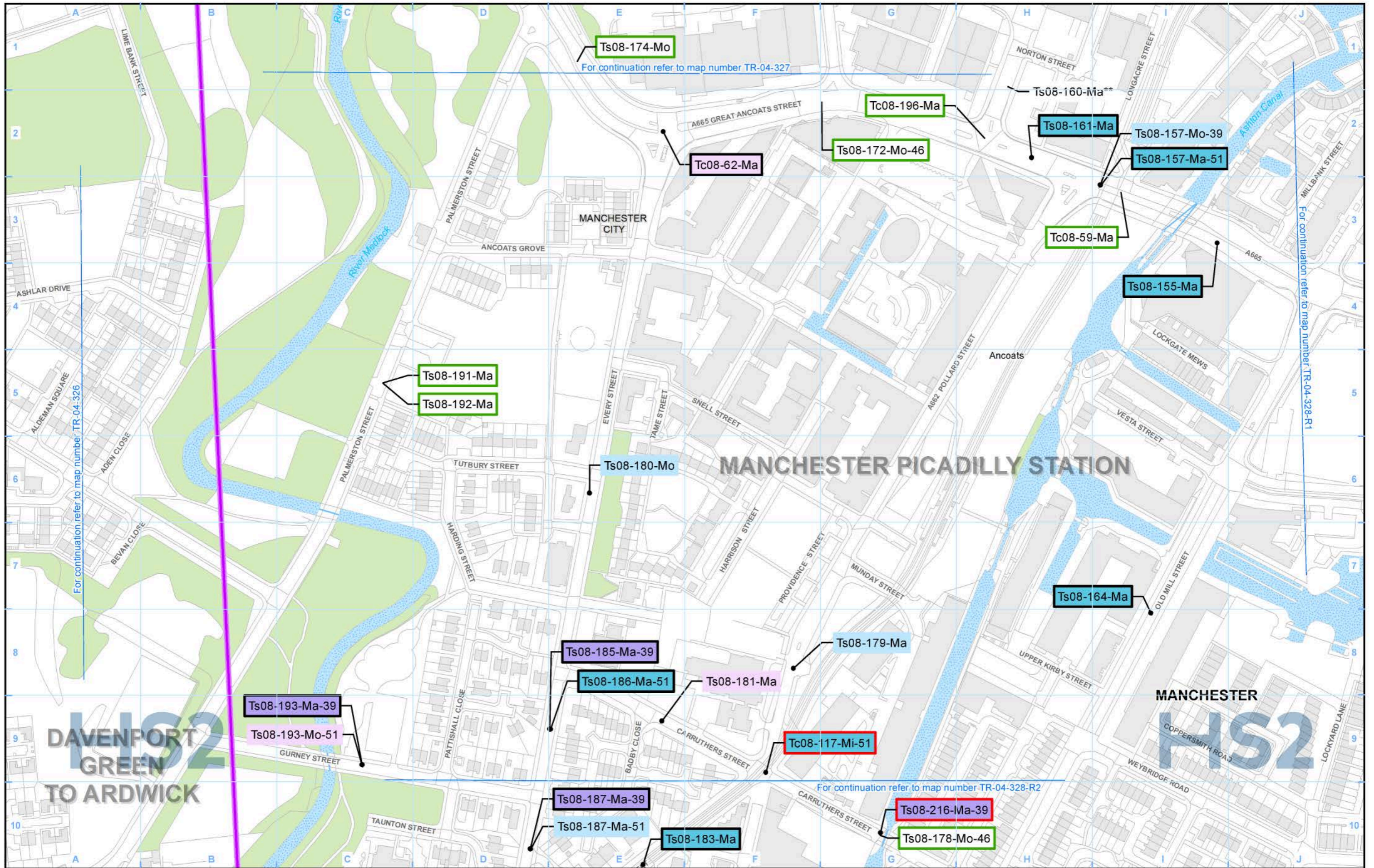
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Ts08-174-Mo
For continuation refer to map number TR-04-327

For continuation refer to map number TR-04-326

For continuation refer to map number TR-04-328-R1

For continuation refer to map number TR-04-328-R2

- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland

- Operational significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-327-R1

Map Name: Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES

Community Area MA08: Manchester Piccadilly Station

HS2

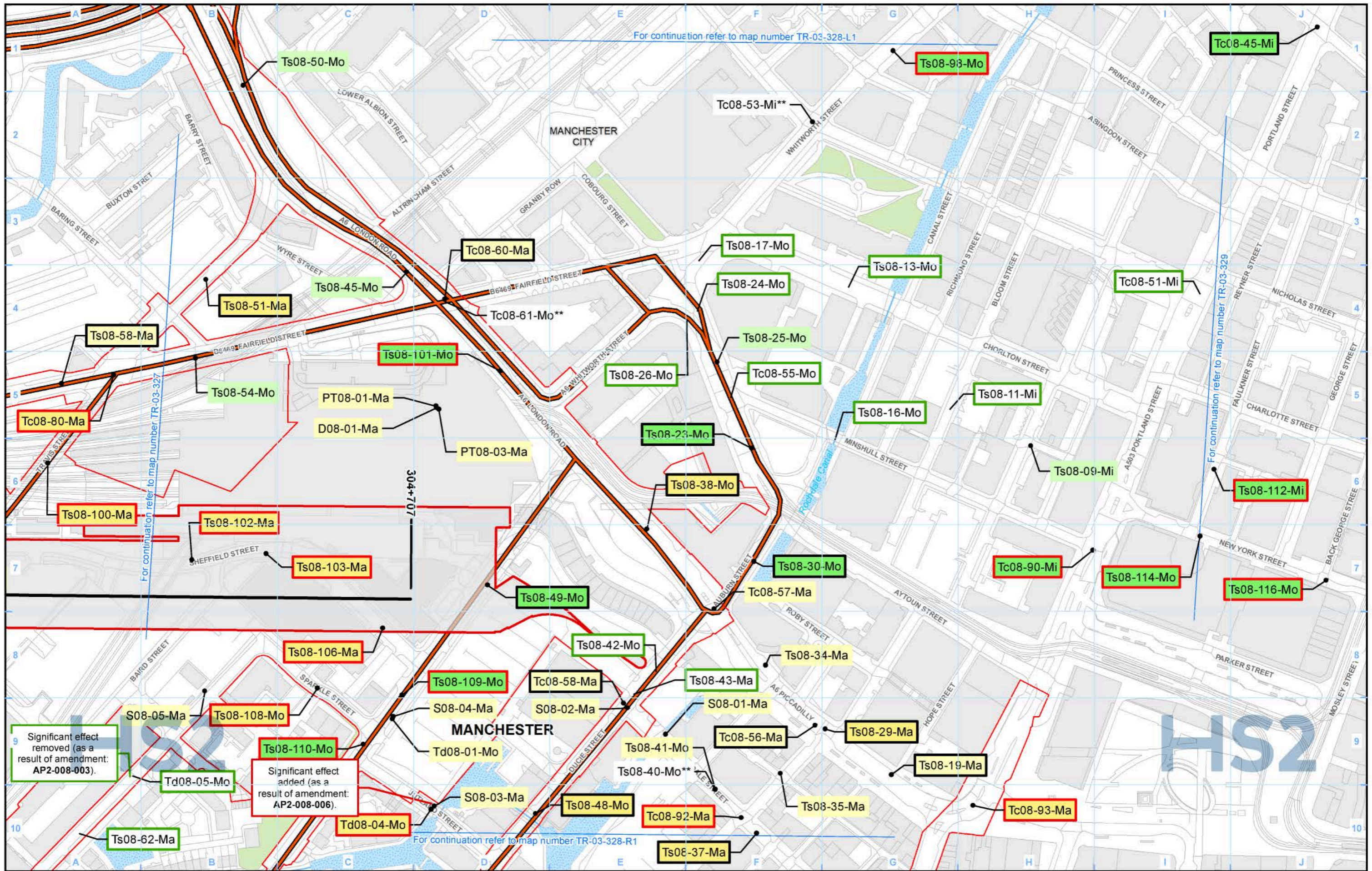
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For continuation refer to map number TR-03-328-L1

For continuation refer to map number TR-03-329

For continuation refer to map number TR-03-327

For continuation refer to map number TR-03-328-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
- Construction traffic routes

- Construction significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

- Construction significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-03 legend page.

Map Number: TR-03-328

Map Name: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES

Community Area MA08: Manchester Piccadilly Station

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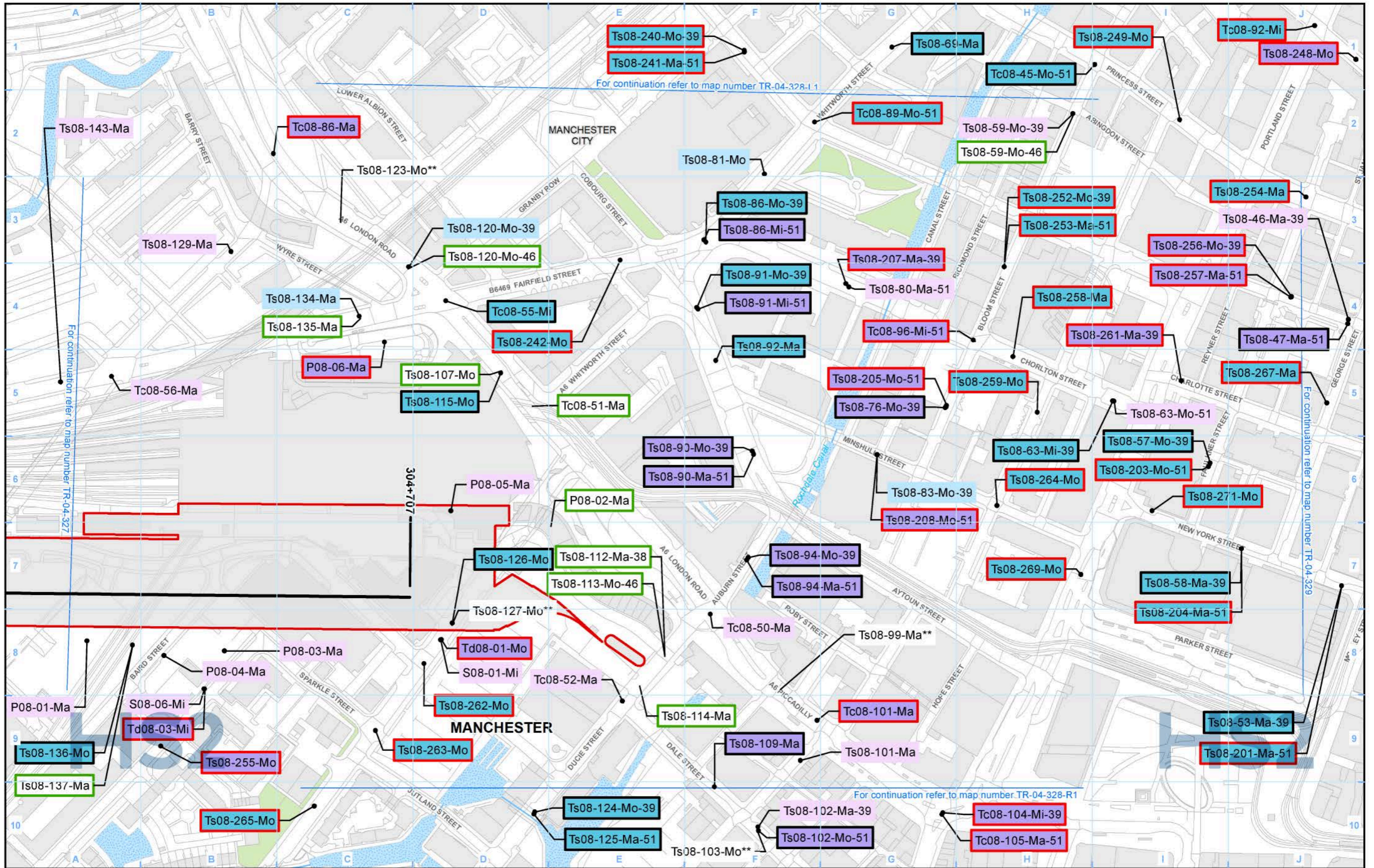
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- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary
 - Watercourse
 - Water body
 - Woodland

- Operational significant effects arising as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-328

Map Name: Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES

Community Area MA08: Manchester Piccadilly Station

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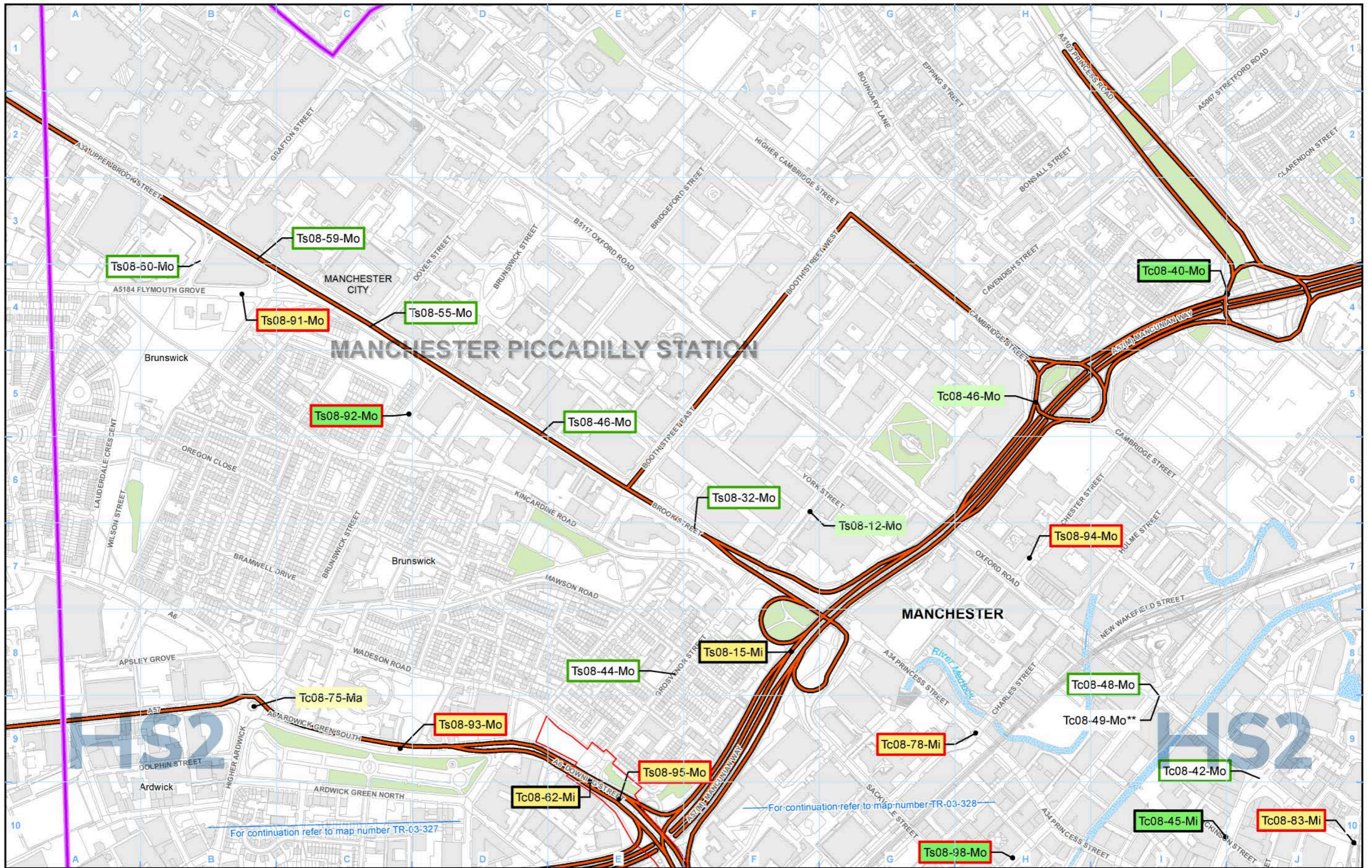
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| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | |
|--------|---|---|-----------------------|---|-----------------------|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent |
| | Route on surface | | Adverse, temporary | | Adverse, temporary |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent |
| | Community area boundary | | | | |
| | County boundary | | | | |
| | District/Borough boundary | | | | |
| | Watercourse | | | | |
| | Water body | | | | |
| | Woodland | | | | |
| | Construction traffic routes | | | | |

For full legend please refer to TR-03 legend page.

| | |
|------------|--|
| Map Number | TR-03-328-L1 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA08: Manchester Piccadilly Station |

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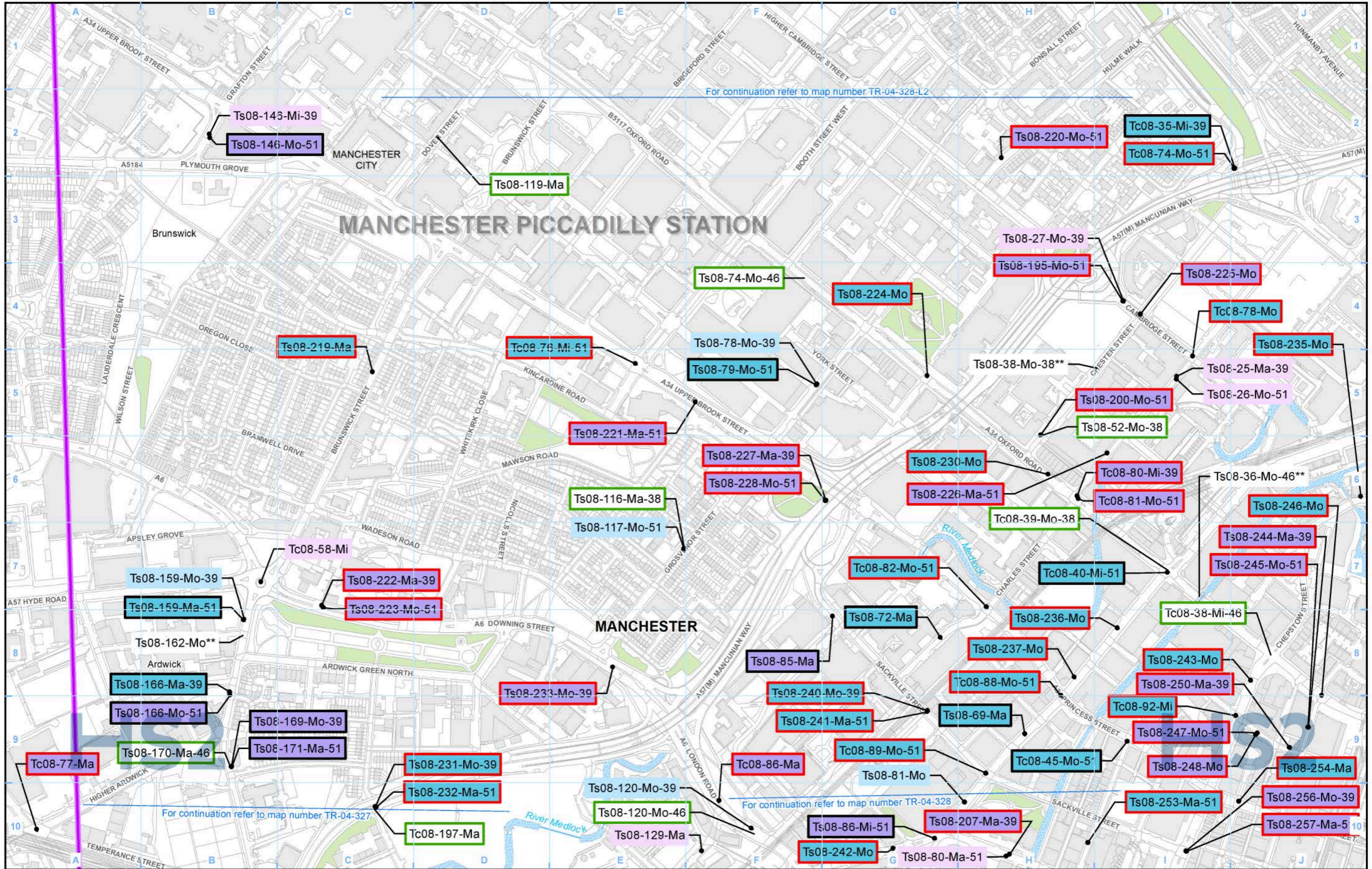
Doc Number: 2PT27-MWJ-EV-MAP-M000-003971-P01

Scale at A3: 1:5,000

Metres

Date: 03/05/23

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For continuation refer to map number TR-04-328-L2

For continuation refer to map number TR-04-327

For continuation refer to map number TR-04-328

- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland

- Operational significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-328-L1

Map Name: Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES

Community Area MA08: Manchester Piccadilly Station

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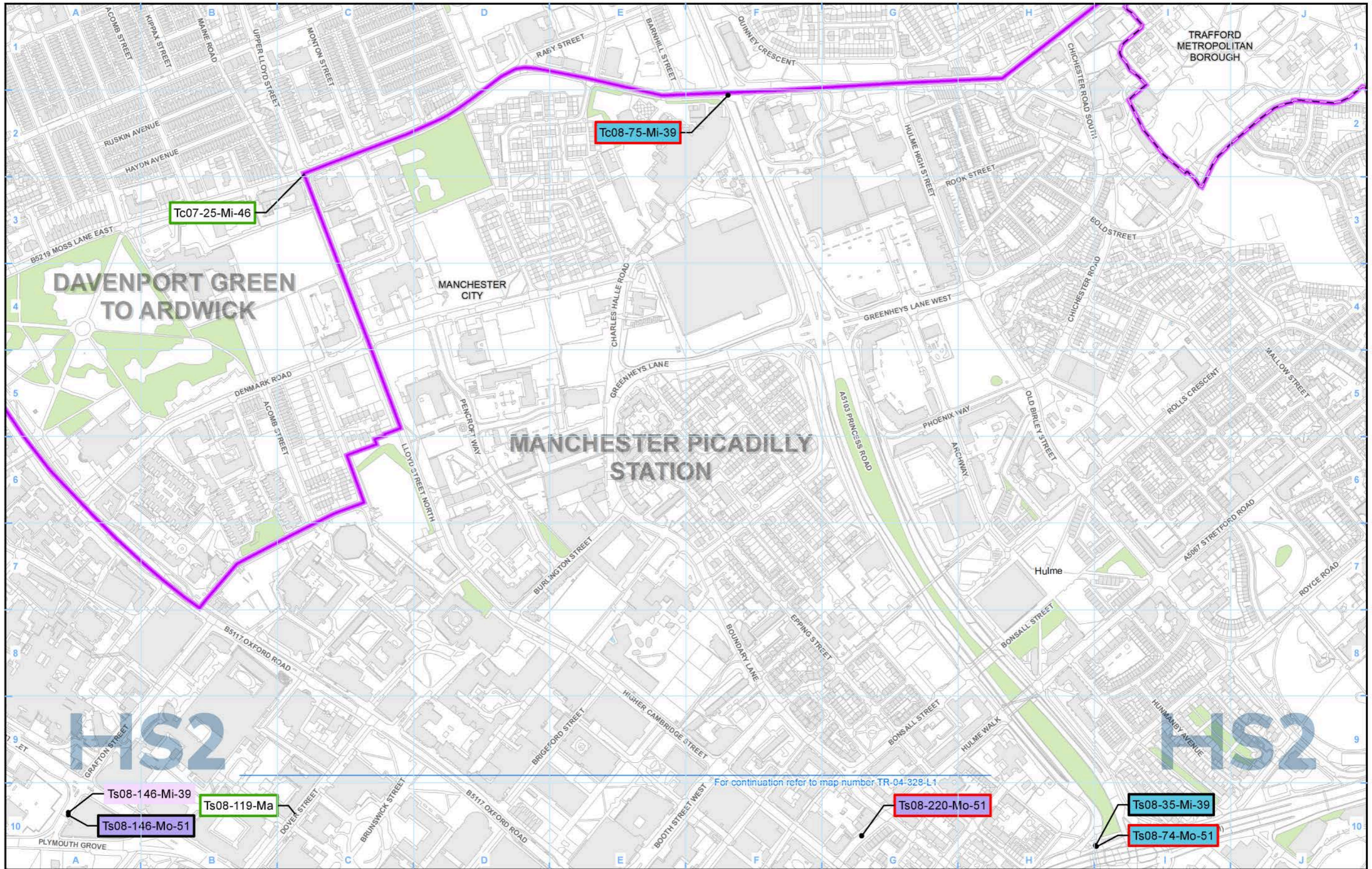
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Doc Number: 2PT27-MWJ-EV-MAP-M000-004551-P01

Date: 13/04/23

Scale at A3: 1:5,000

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Legend

| | | | |
|--|-------------|-----------------------|-----------------------|
| Route in tunnel | Watercourse | Adverse, permanent | Adverse, permanent |
| Route on surface | Water body | Adverse, temporary | Adverse, temporary |
| Depot, station, headhouse or portal building | Woodland | Beneficial, temporary | Beneficial, temporary |
| Community area boundary | | Beneficial, permanent | Beneficial, permanent |
| County boundary | | | |
| District/Borough boundary | | | |

Operational significant effects arising as a result of the current SES/AP:

Operational significant effects unchanged as a result of the current SES/AP:

For full legend please refer to TR-04 legend page.

| | |
|------------|---|
| Map Number | TR-04-328-L2 |
| Map Name | Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES |
| | Community Area MA08: Manchester Piccadilly Station |

HS2

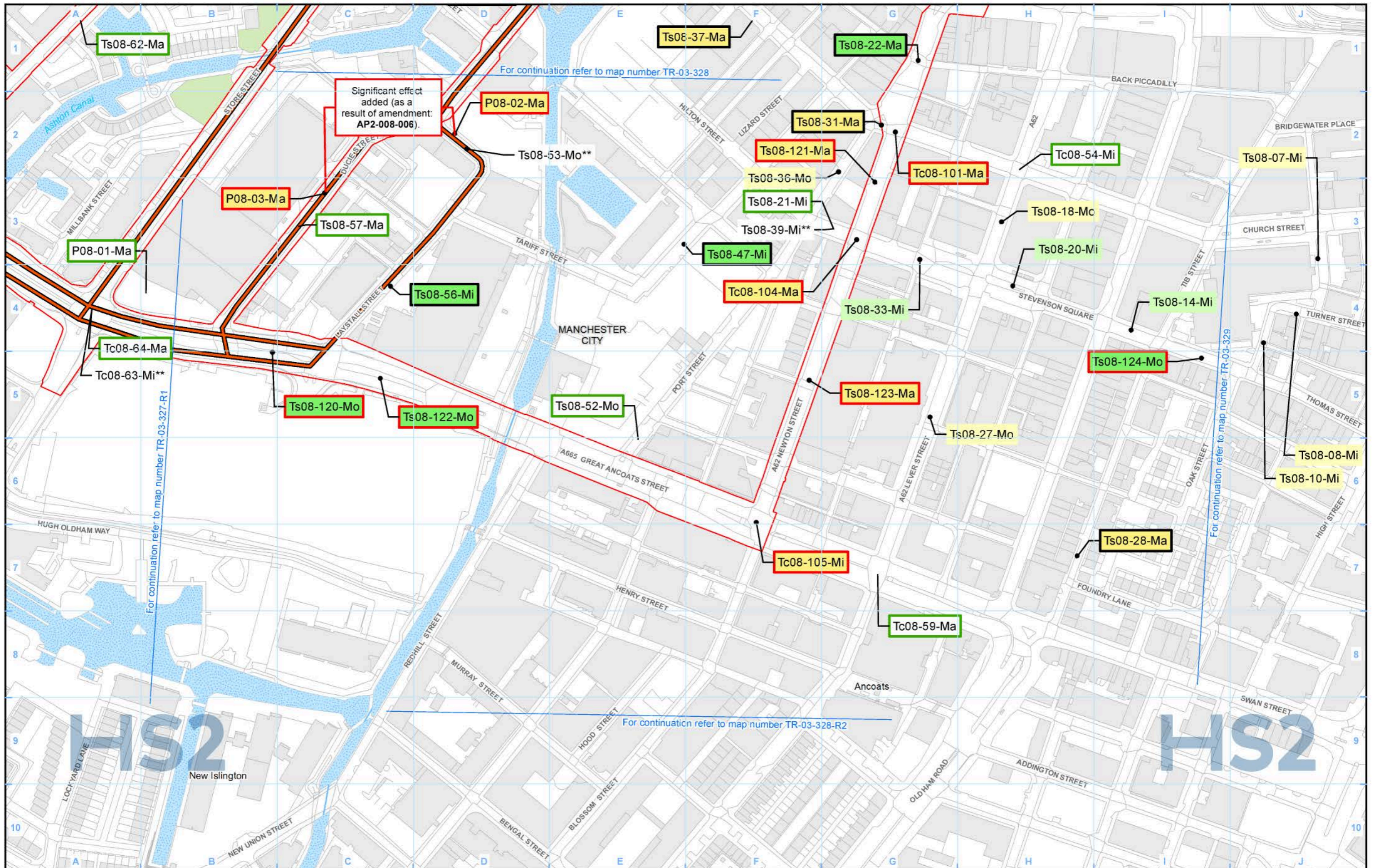
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Date: 13/04/23



| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | |
|--------|---|---|-----------------------|---|-----------------------|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent |
| | Route on surface | | Adverse, temporary | | Adverse, temporary |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent |
| | Community area boundary | | | | |
| | County boundary | | | | |
| | District/Borough boundary | | | | |
| | Watercourse | | | | |
| | Water body | | | | |
| | Woodland | | | | |
| | Construction traffic routes | | | | |

For full legend please refer to TR-03 legend page.

| | |
|------------|--|
| Map Number | TR-03-328-R1 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA08: Manchester Piccadilly Station |

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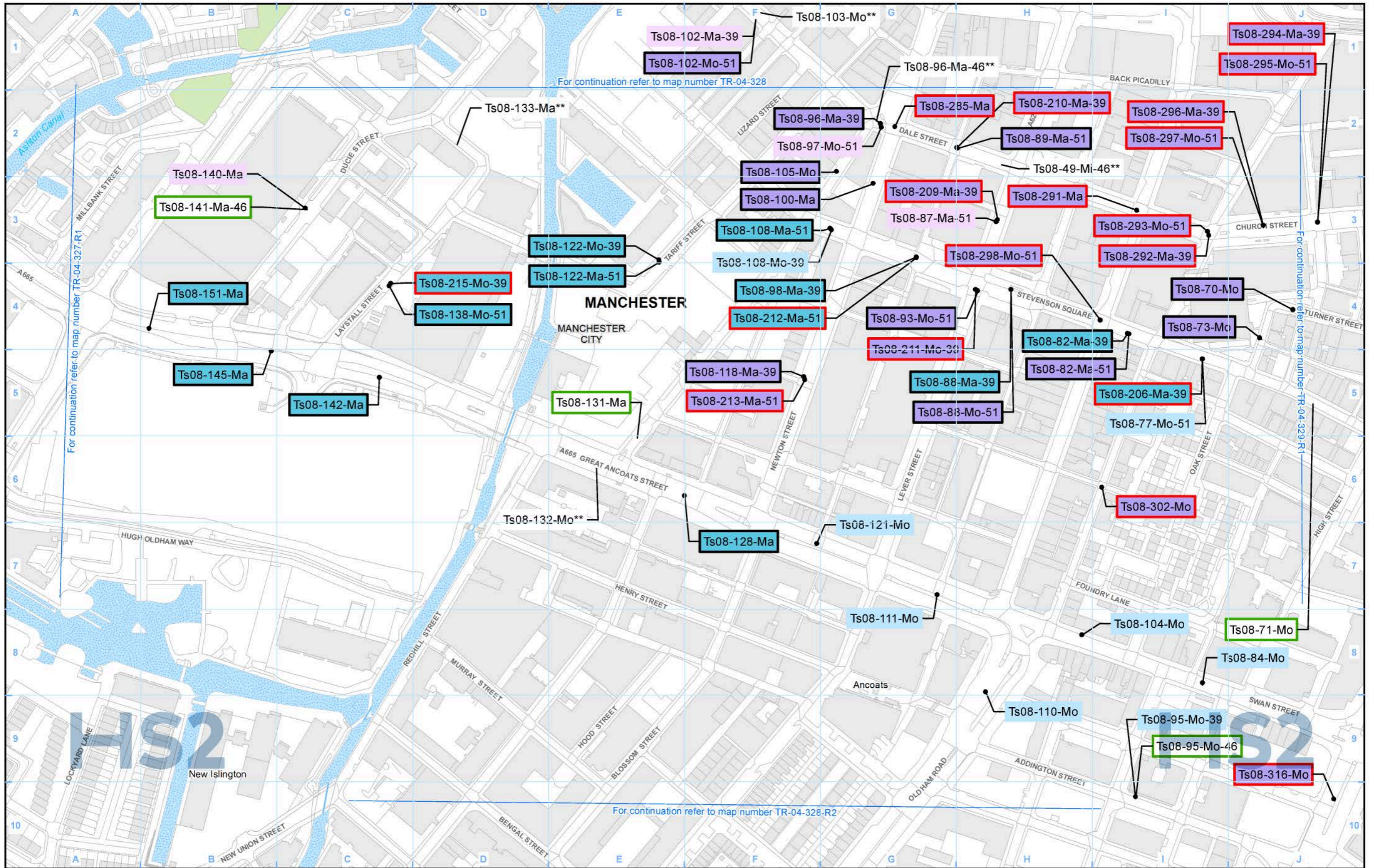
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Scale at A3: 1:2,500

Metres

Date: 03/05/23



For continuation refer to map number TR-04-328

For continuation refer to map number TR-04-329-R1

For continuation refer to map number TR-04-328-R2

- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland

- Operational significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-328-R1

Map Name: Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES

Community Area MA08: Manchester Piccadilly Station

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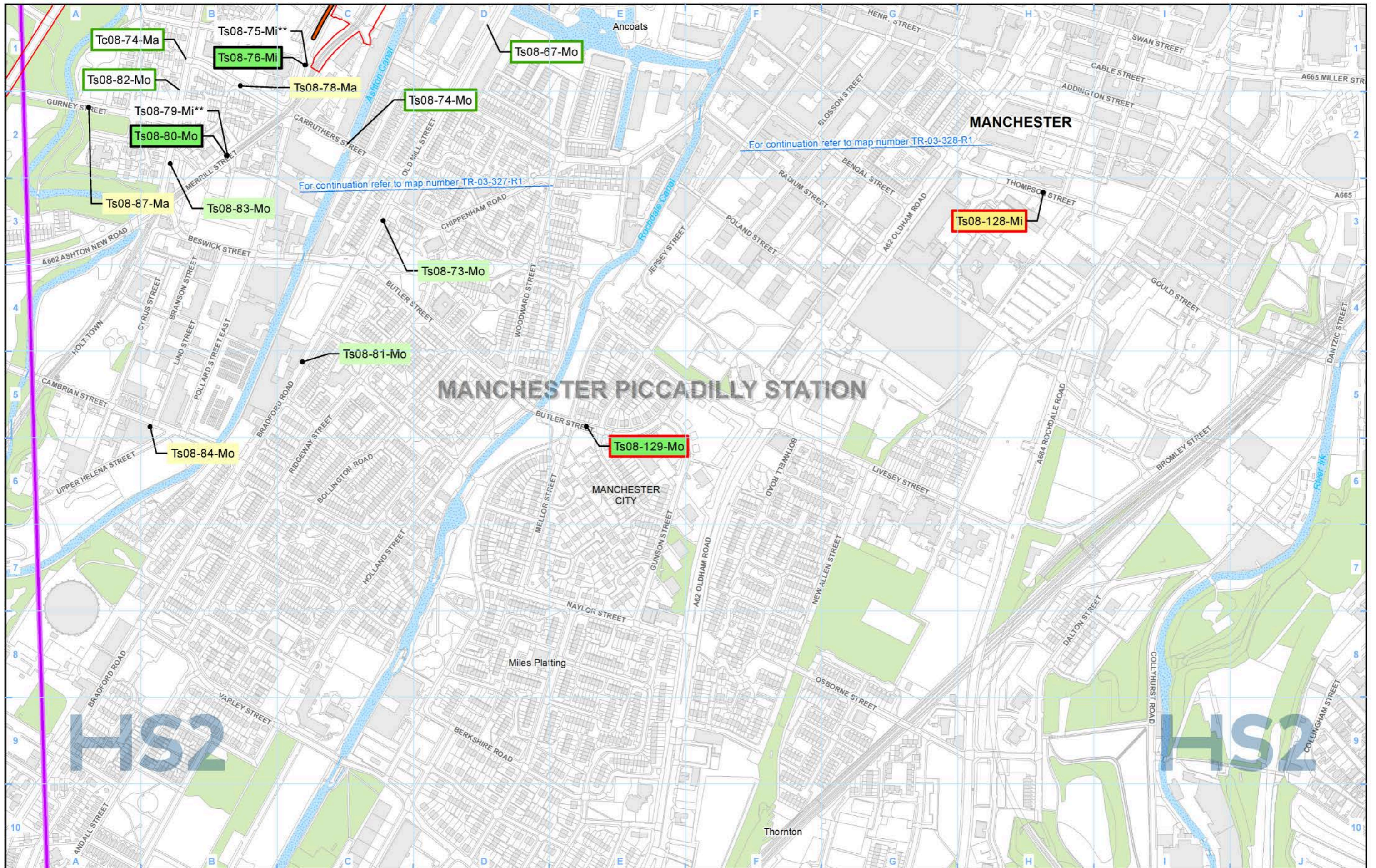
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Doc Number: 2PT27-MWJ-EV-MAP-M000-004647-P01

Date: 13/04/23

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Metres



| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | | For full legend please refer to TR-03 legend page. |
|--------|---|---|-----------------------|---|-----------------------|--|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent | |
| | Route on surface | | Adverse, temporary | | Adverse, temporary | |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary | |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent | |
| | Community area boundary | | | | | |
| | County boundary | | | | | |
| | District/Borough boundary | | | | | |
| | Watercourse | | | | | |
| | Water body | | | | | |
| | Woodland | | | | | |
| | Construction traffic routes | | | | | |

| | |
|------------|--|
| Map Number | TR-03-328-R2 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA08: Manchester Piccadilly Station |

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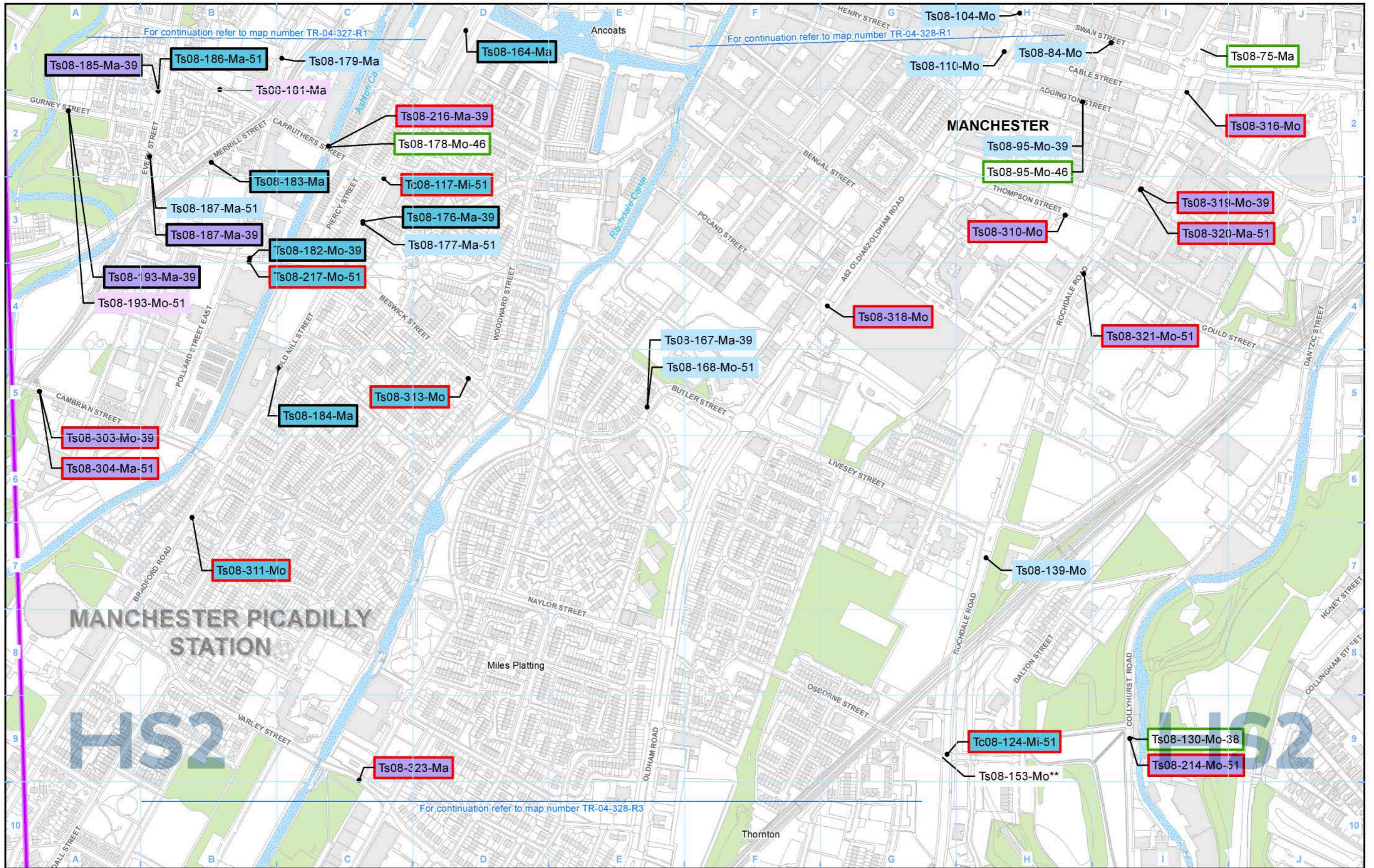
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Doc Number: 2PT27-MWJ-EV-MAP-M000-003972-P01

Scale at A3: 1:5,000

Metres

Date: 03/05/23



For continuation refer to map number TR-04-327-R1

For continuation refer to map number TR-04-328-R1

For continuation refer to map number TR-04-328-R3

- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland

- Operational significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: **TR-04-328-R2**

Map Name: **Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES**

Community Area MA08: Manchester Piccadilly Station

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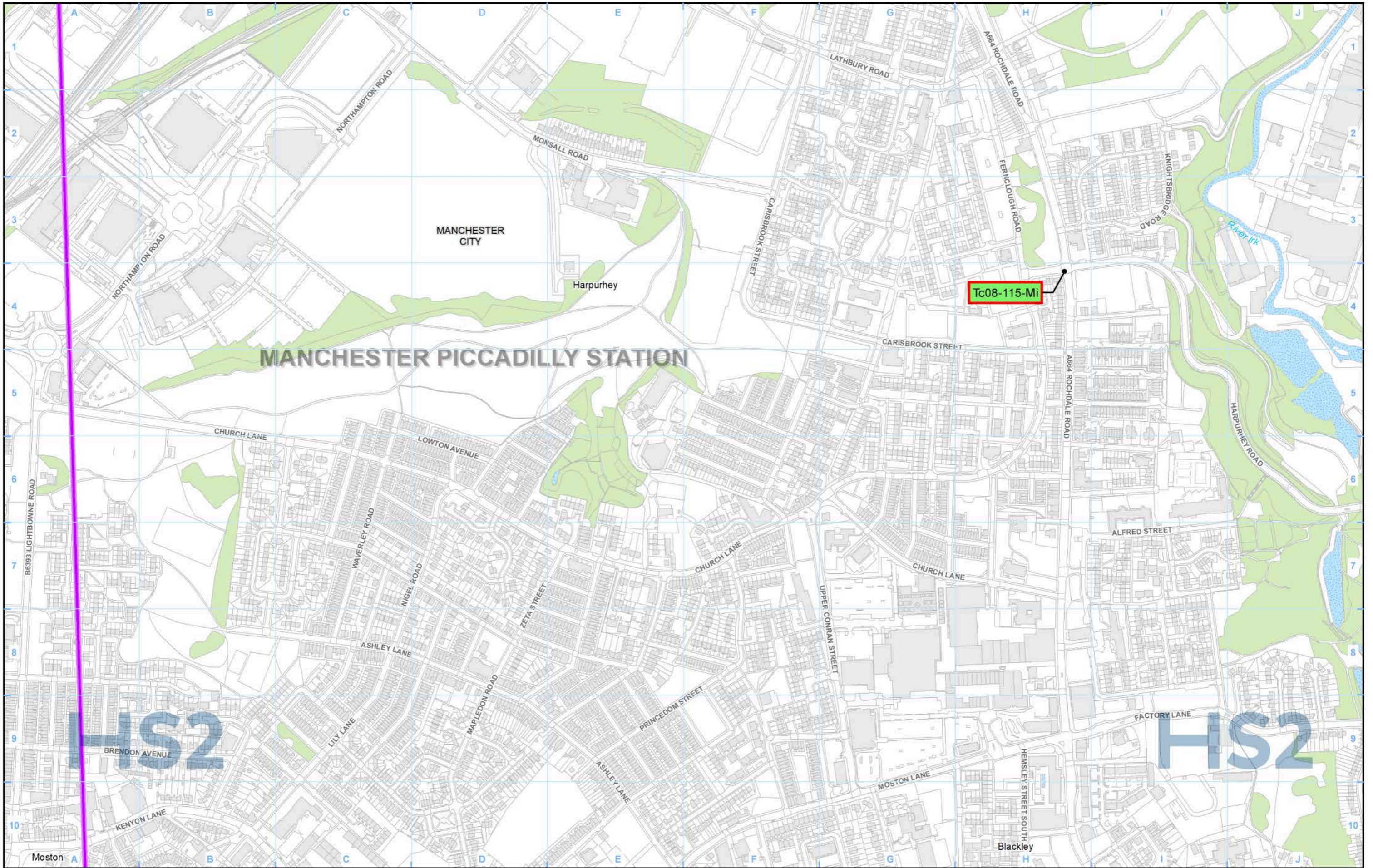
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Doc Number: 2PT27-MWJ-EV-MAP-M000-003989-P01

Date: 13/04/23



| Legend | | Construction significant effects arising as a result of the current SES/AP: | | For full legend please refer to TR-03 legend page. |
|--------|---|---|-----------------------------|--|
| | Route in tunnel | | Adverse, permanent | |
| | Route on surface | | Adverse, temporary | |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | |
| | Land potentially required during construction | | Beneficial, permanent | |
| | Community area boundary | | Watercourse | |
| | County boundary | | Water body | |
| | District/Borough boundary | | Woodland | |
| | | | Construction traffic routes | |

| | |
|------------|--|
| Map Number | TR-03-328-R3 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA08: Manchester Piccadilly Station |

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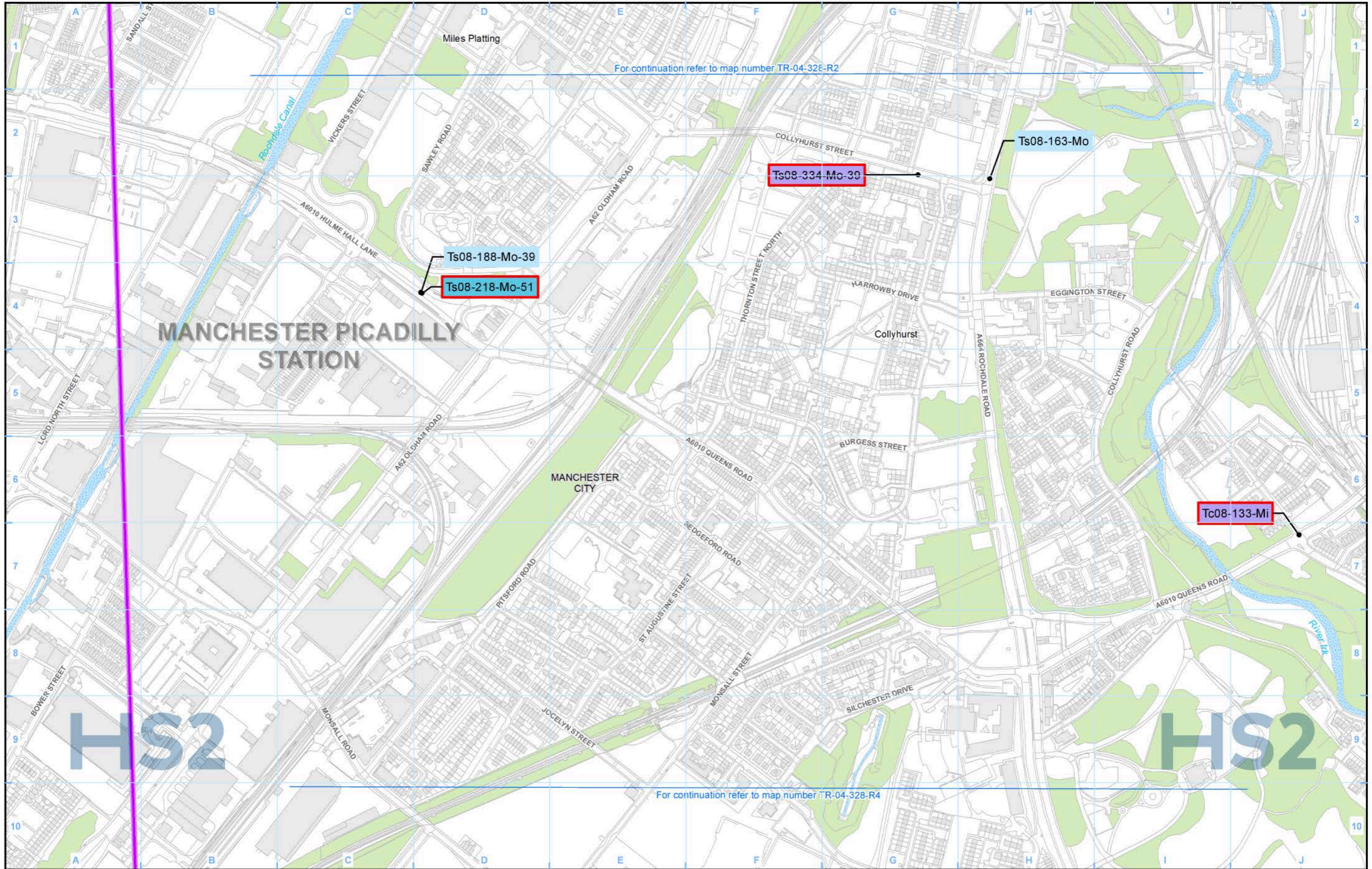
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Scale at A3: 1:5,000

Metres

Date: 03/05/23



- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary
 - Watercourse
 - Water body
 - Woodland

- Operational significant effects arising as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: **TR-04-328-R3**

Map Name: **Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES**

Community Area MA08: **Manchester Piccadilly Station**

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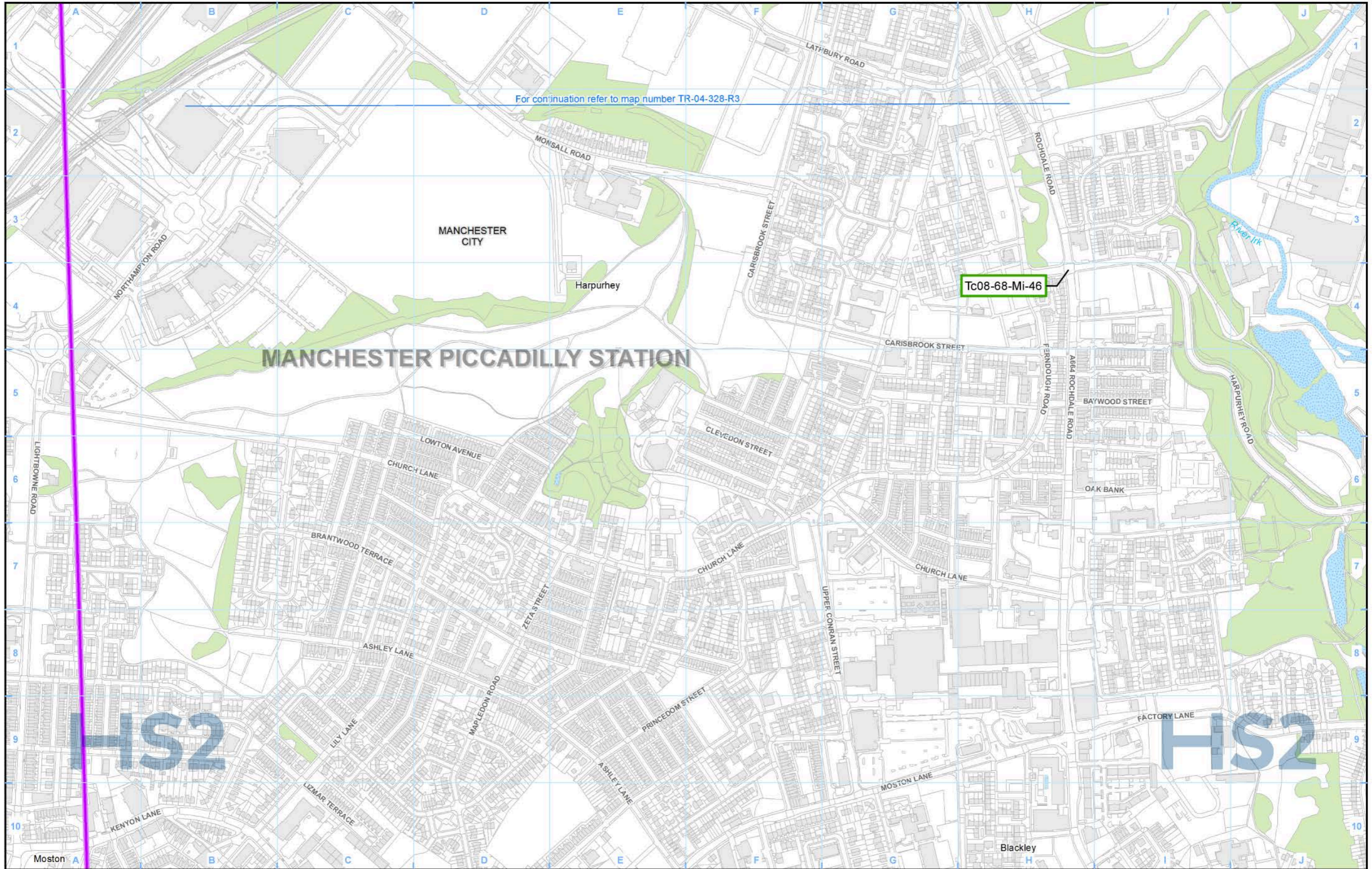
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For continuation refer to map number TR-04-328-R3

Tc08-68-Mi-46

MANCHESTER PICCADILLY STATION

HS2

HS2

- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland

- Operational significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-328-R4

Map Name: Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES

Community Area MA08: Manchester Piccadilly Station

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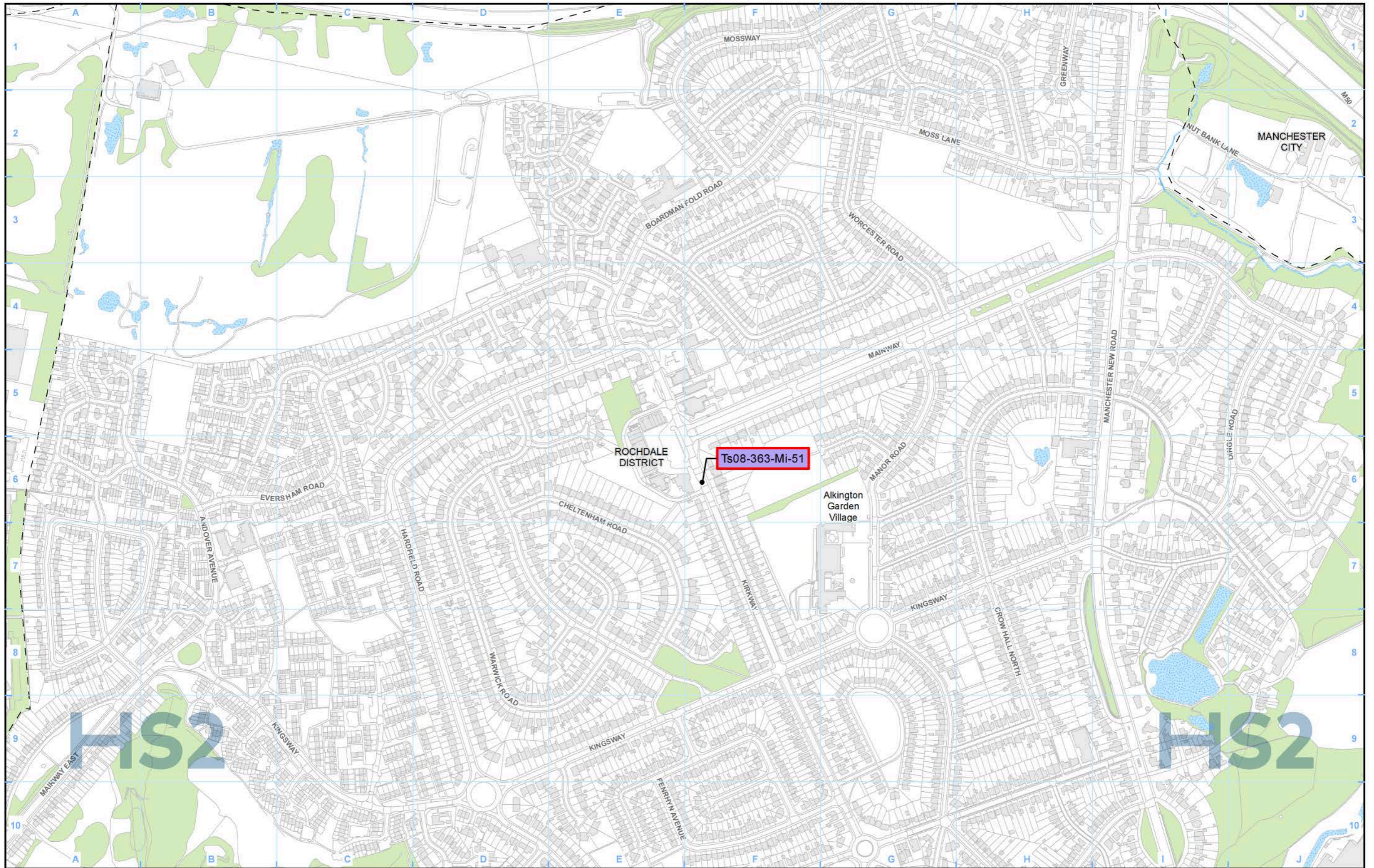
Date: 13/04/23

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Metres



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Legend

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

- Watercourse
- Water body
- Woodland

Operational significant effects arising as a result of the current SES/AP:

- Adverse, permanent
- Adverse, temporary
- Beneficial, temporary
- Beneficial, permanent

Operational significant effects unchanged as a result of the current SES/AP:

- Adverse, permanent
- Adverse, temporary
- Beneficial, temporary
- Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: **TR-04-328-R5**

Map Name: **Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES**

Community Area MA08: **Manchester Piccadilly Station**

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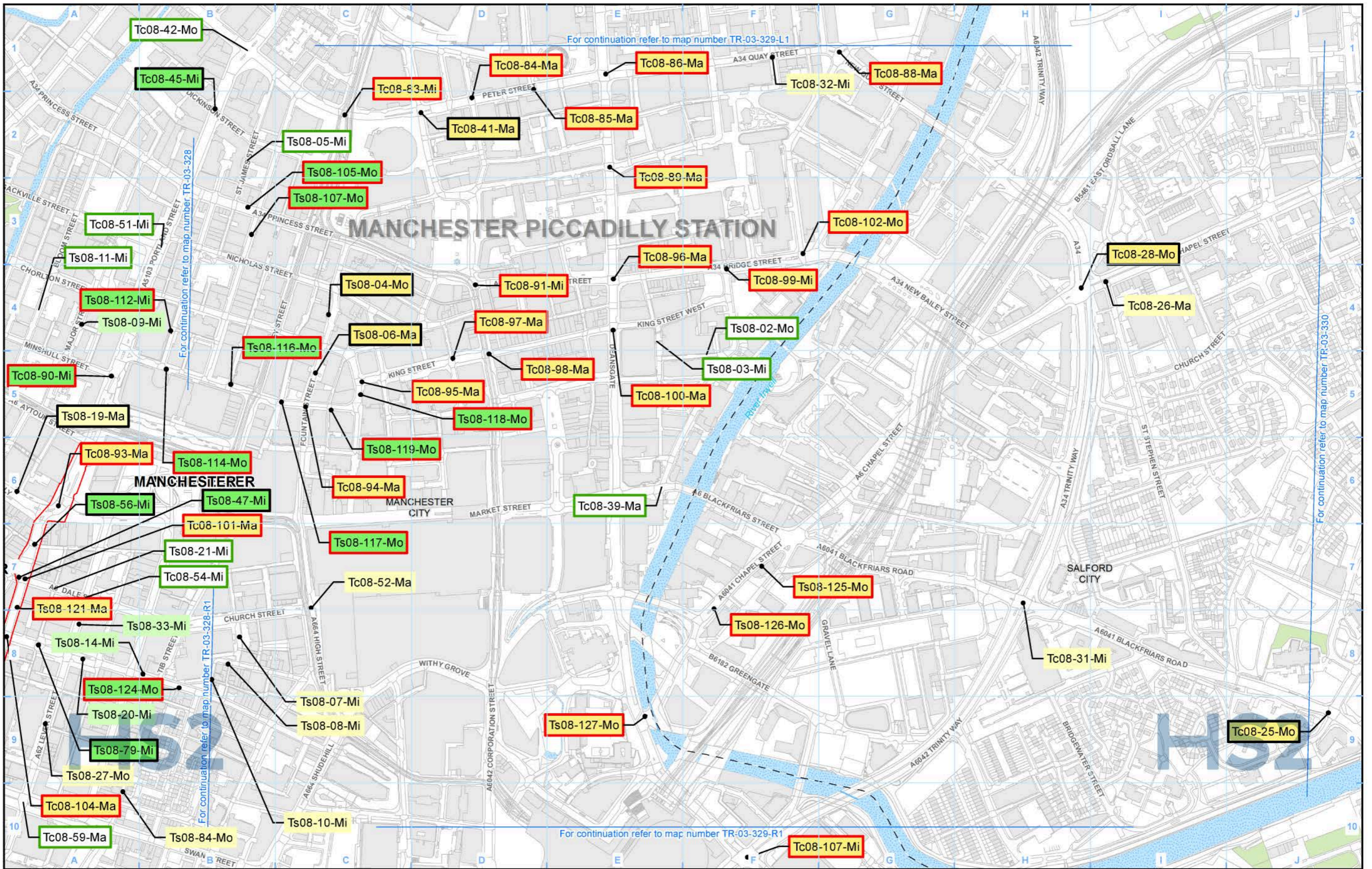
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For continuation refer to map number TR-03-329-L1

For continuation refer to map number TR-03-328

For continuation refer to map number TR-03-328-R1

For continuation refer to map number TR-03-329-R1

For continuation refer to map number TR-03-330

- 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
- Construction traffic routes

- Construction significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

- Construction significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-03 legend page.

Map Number: TR-03-329

Map Name: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES

Community Area MA08: Manchester Piccadilly Station

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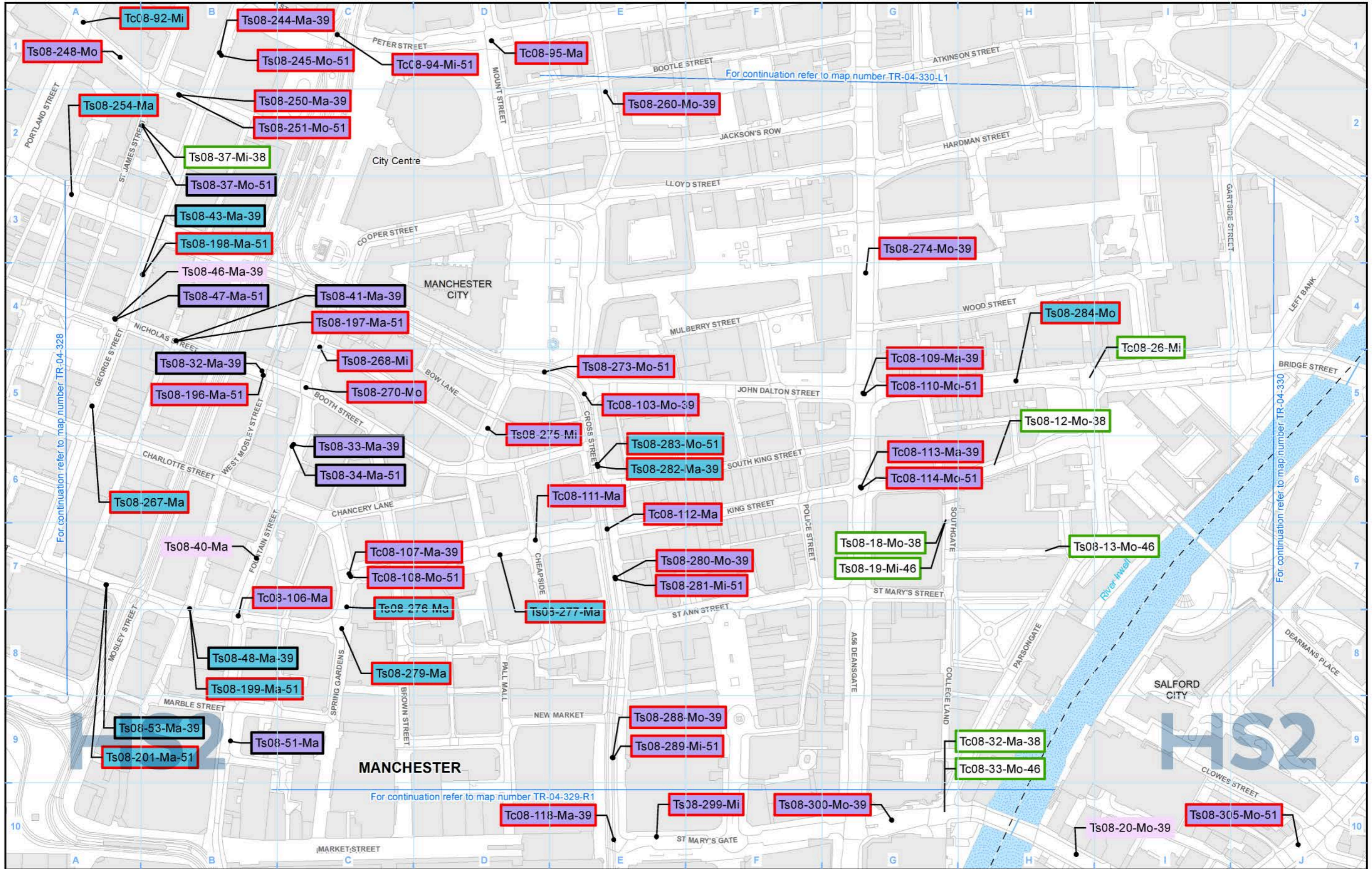
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Metres



For continuation refer to map number TR-04-330-L1

For continuation refer to map number TR-04-328

For continuation refer to map number TR-04-330

For continuation refer to map number TR-04-329-R1

- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland

- Operational significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-329

Map Name: Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES

Community Area MA08: Manchester Piccadilly Station

HS2

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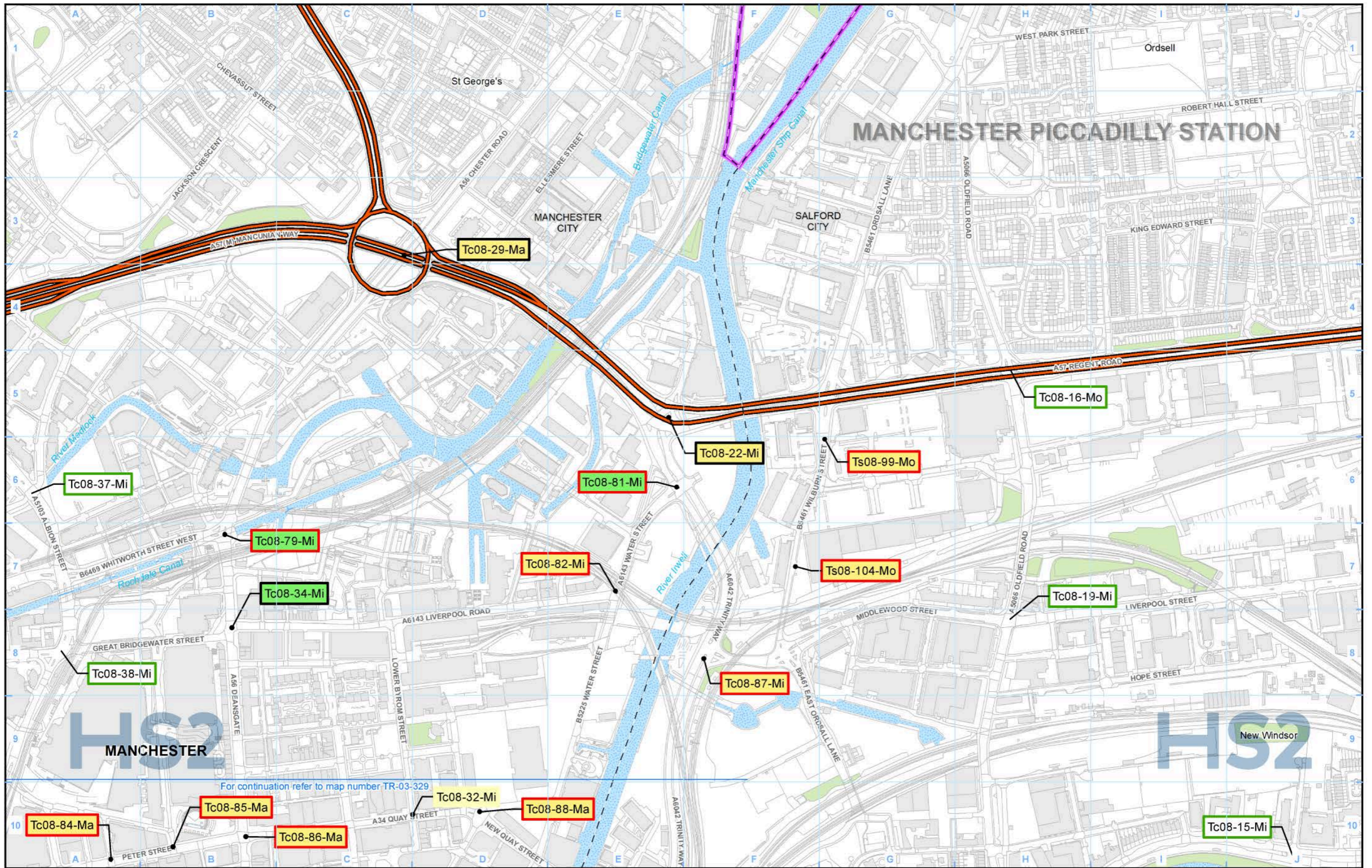
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Date: 13/04/23



| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | |
|--------|---|---|-----------------------|---|-----------------------|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent |
| | Route on surface | | Adverse, temporary | | Adverse, temporary |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent |
| | Community area boundary | | | | |
| | County boundary | | | | |
| | District/Borough boundary | | | | |
| | Watercourse | | | | |
| | Water body | | | | |
| | Woodland | | | | |
| | Construction traffic routes | | | | |

Map Number: TR-03-329-L1

Map Name: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES

Community Area MA08: Manchester Piccadilly Station

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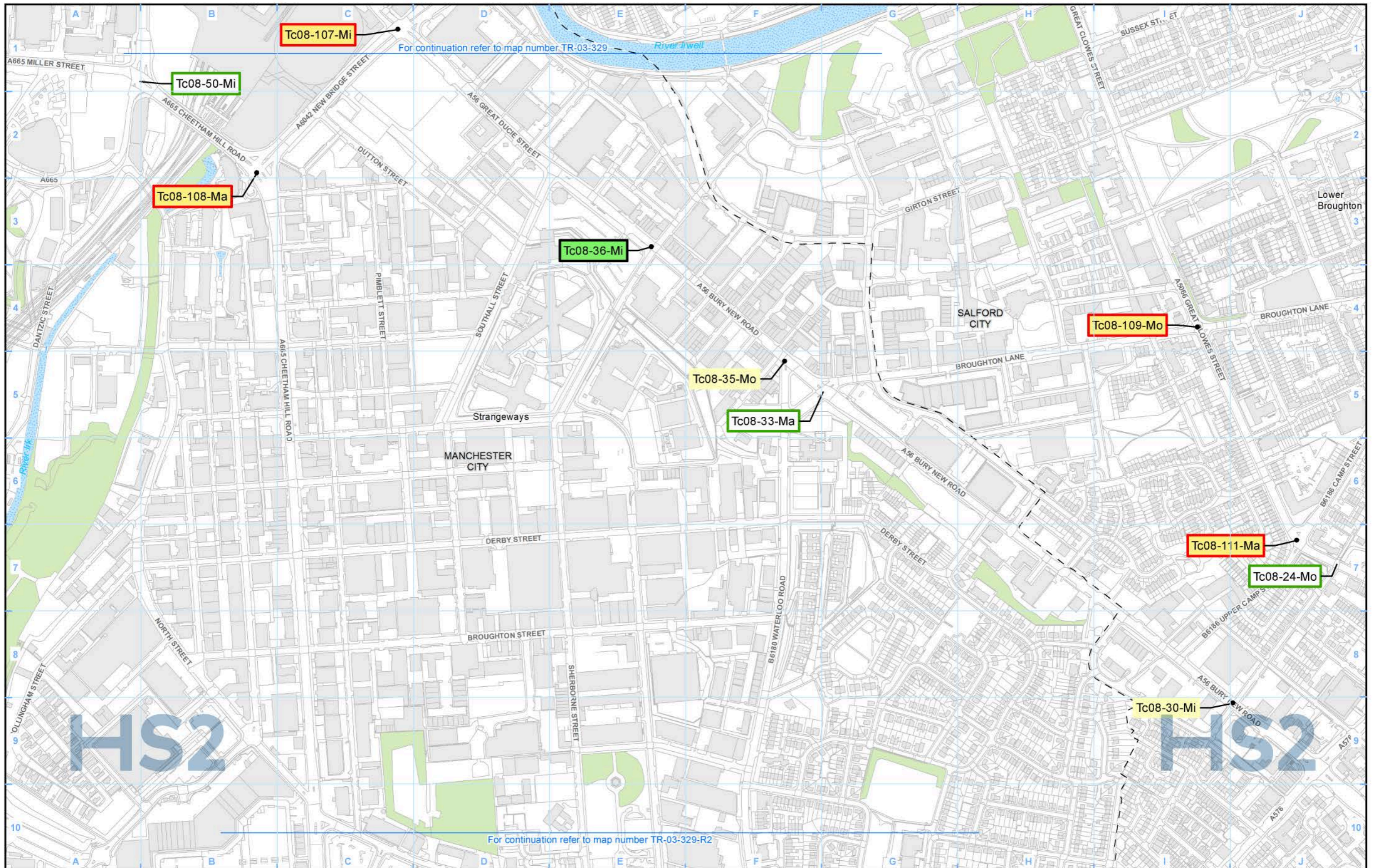
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| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | |
|--------|---|---|-----------------------|---|-----------------------|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent |
| | Route on surface | | Adverse, temporary | | Adverse, temporary |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent |
| | Community area boundary | | | | |
| | County boundary | | | | |
| | District/Borough boundary | | | | |
| | Watercourse | | | | |
| | Water body | | | | |
| | Woodland | | | | |
| | Construction traffic routes | | | | |

For full legend please refer to TR-03 legend page.

| | |
|------------|--|
| Map Number | TR-03-329-R1 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA08: Manchester Piccadilly Station |

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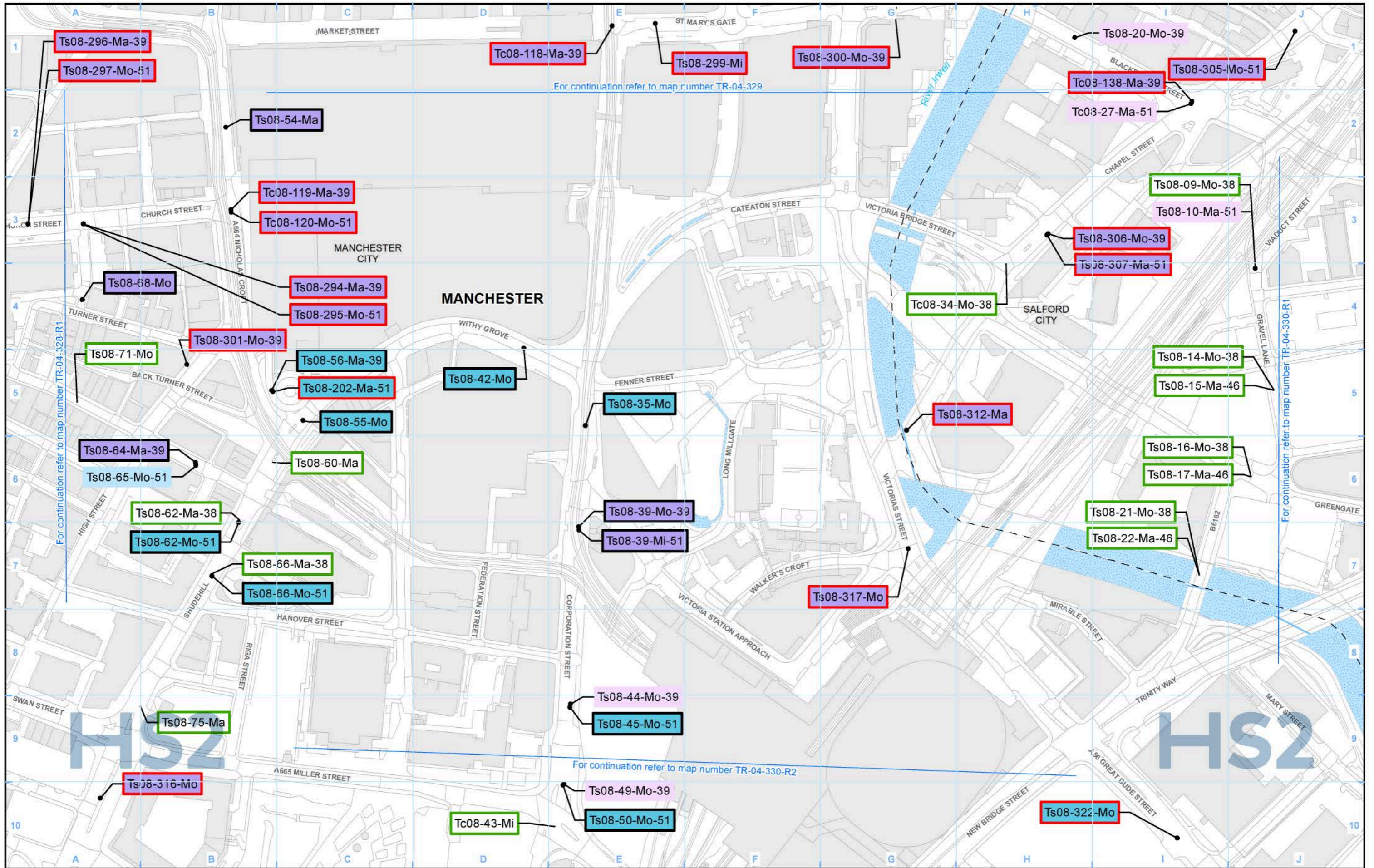
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Metres

Date: 03/05/23



For continuation refer to map number TR-04-329

For continuation refer to map number TR-04-330-R1

For continuation refer to map number TR-04-330-R2

- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland

- Operational significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-329-R1

Map Name: Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES

Community Area MA08: Manchester Piccadilly Station

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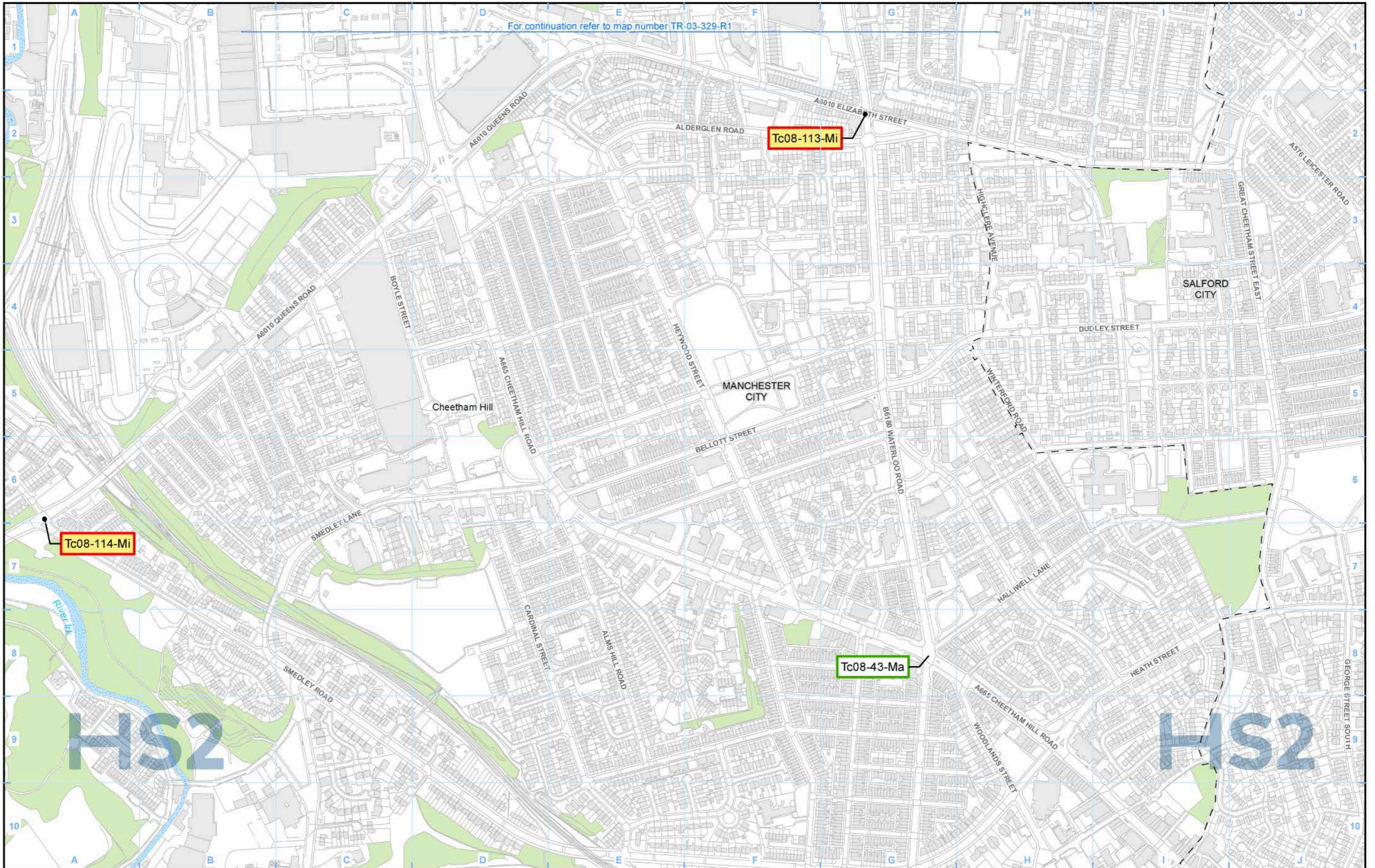
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Meters



| Legend | | Construction significant effects arising as a result of the current SES/AP: | | For full legend please refer to TR-03 legend page. |
|--------|---|---|-----------------------------|--|
| | Route in tunnel | | Adverse, permanent | |
| | Route on surface | | Adverse, temporary | |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | |
| | Land potentially required during construction | | Beneficial, permanent | |
| | Community area boundary | | Watercourse | |
| | County boundary | | Water body | |
| | District/Borough boundary | | Woodland | |
| | | | Construction traffic routes | |

| | |
|------------|--|
| Map Number | TR-03-329-R2 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA08: Manchester Piccadilly Station |

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| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | |
|--------|---|---|-----------------------|---|-----------------------|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent |
| | Route on surface | | Adverse, temporary | | Adverse, temporary |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent |
| | Community area boundary | | | | |
| | County boundary | | | | |
| | District/Borough boundary | | | | |
| | Watercourse | | | | |
| | Water body | | | | |
| | Woodland | | | | |
| | Construction traffic routes | | | | |

For full legend please refer to TR-03 legend page.

| | |
|------------|--|
| Map Number | TR-03-330 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA08: Manchester Piccadilly Station |

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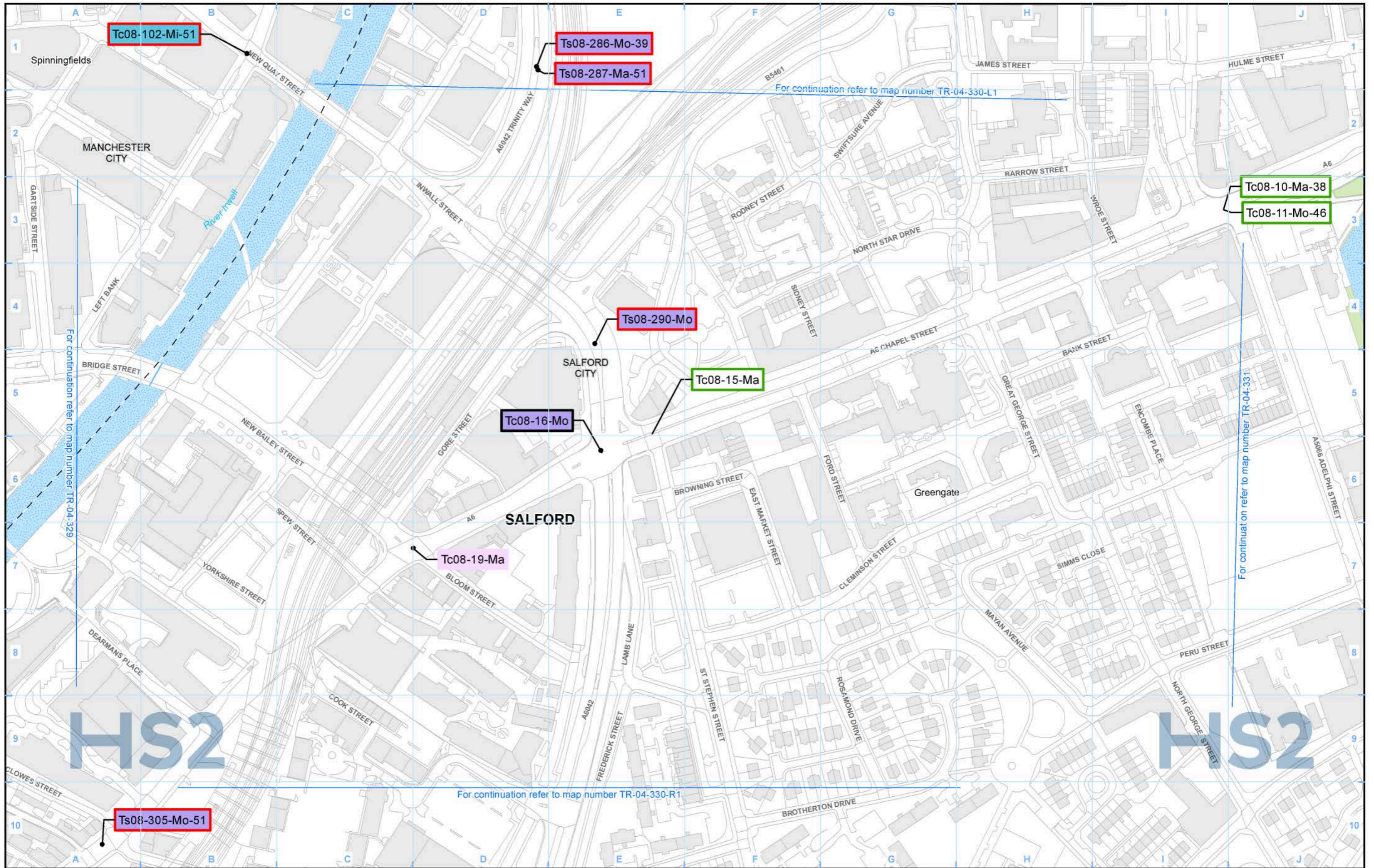
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Date: 03/05/23

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- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland

- Operational significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: **TR-04-330**

Map Name: **Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES**

Community Area MA08: Manchester Piccadilly Station

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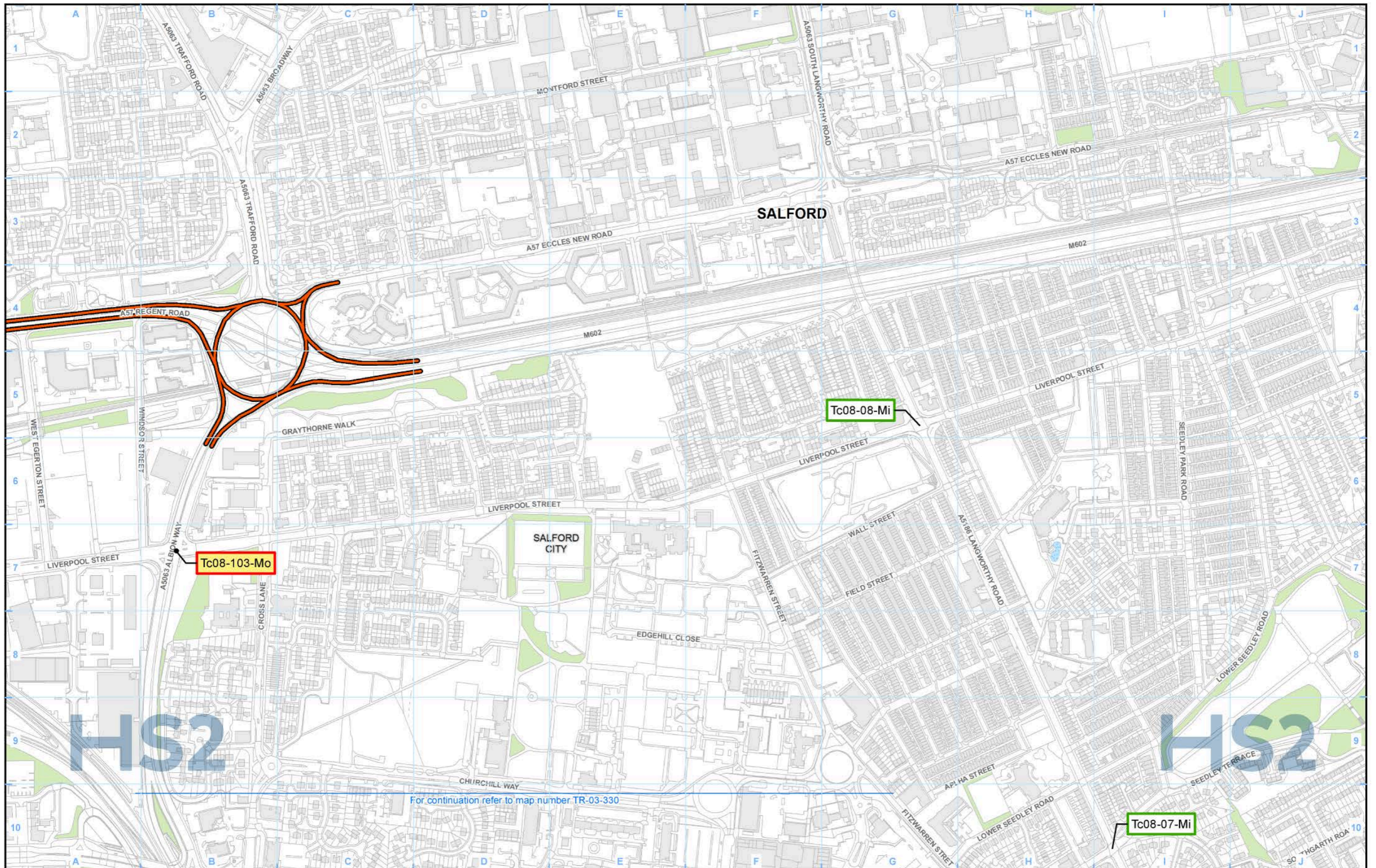
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Metres



For continuation refer to map number TR-03-330

| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | | For full legend please refer to TR-03 legend page. |
|--------|---|---|-----------------------------|---|-----------------------|--|
| | Route in tunnel | | Watercourse | | Adverse, permanent | |
| | Route on surface | | Water body | | Adverse, temporary | |
| | Depot, station, headhouse or portal building | | Woodland | | Beneficial, temporary | |
| | Land potentially required during construction | | Construction traffic routes | | Beneficial, permanent | |
| | Community area boundary | | | | | |
| | County boundary | | | | | |
| | District/Borough boundary | | | | | |

| | |
|------------|--|
| Map Number | TR-03-330-L1 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA08: Manchester Piccadilly Station |

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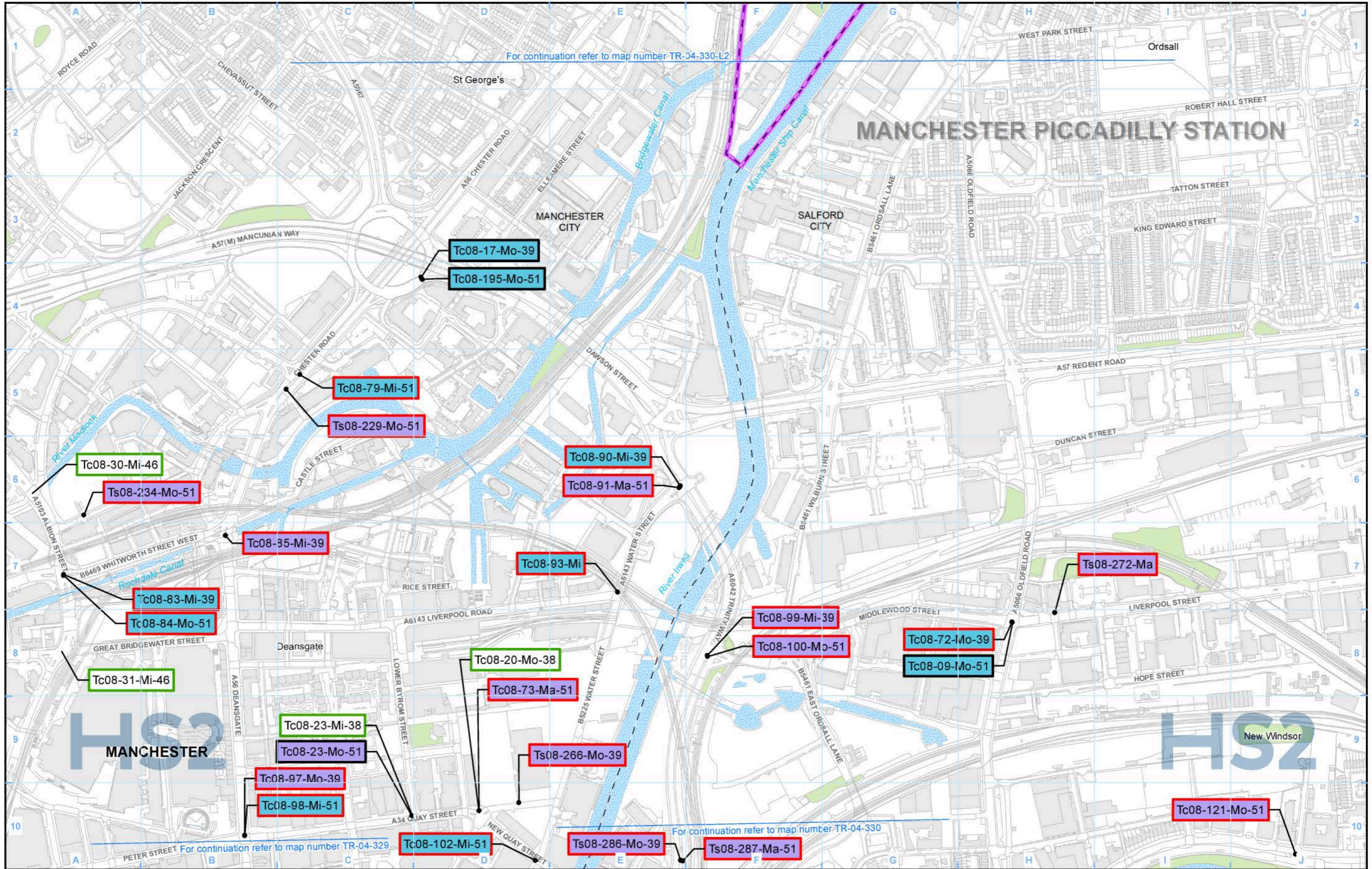
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For continuation refer to map number TR-04-330-L2

For continuation refer to map number TR-04-330

For continuation refer to map number TR-04-329

- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland

- Operational significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-330-L1

Map Name: Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES

Community Area MA08: Manchester Piccadilly Station

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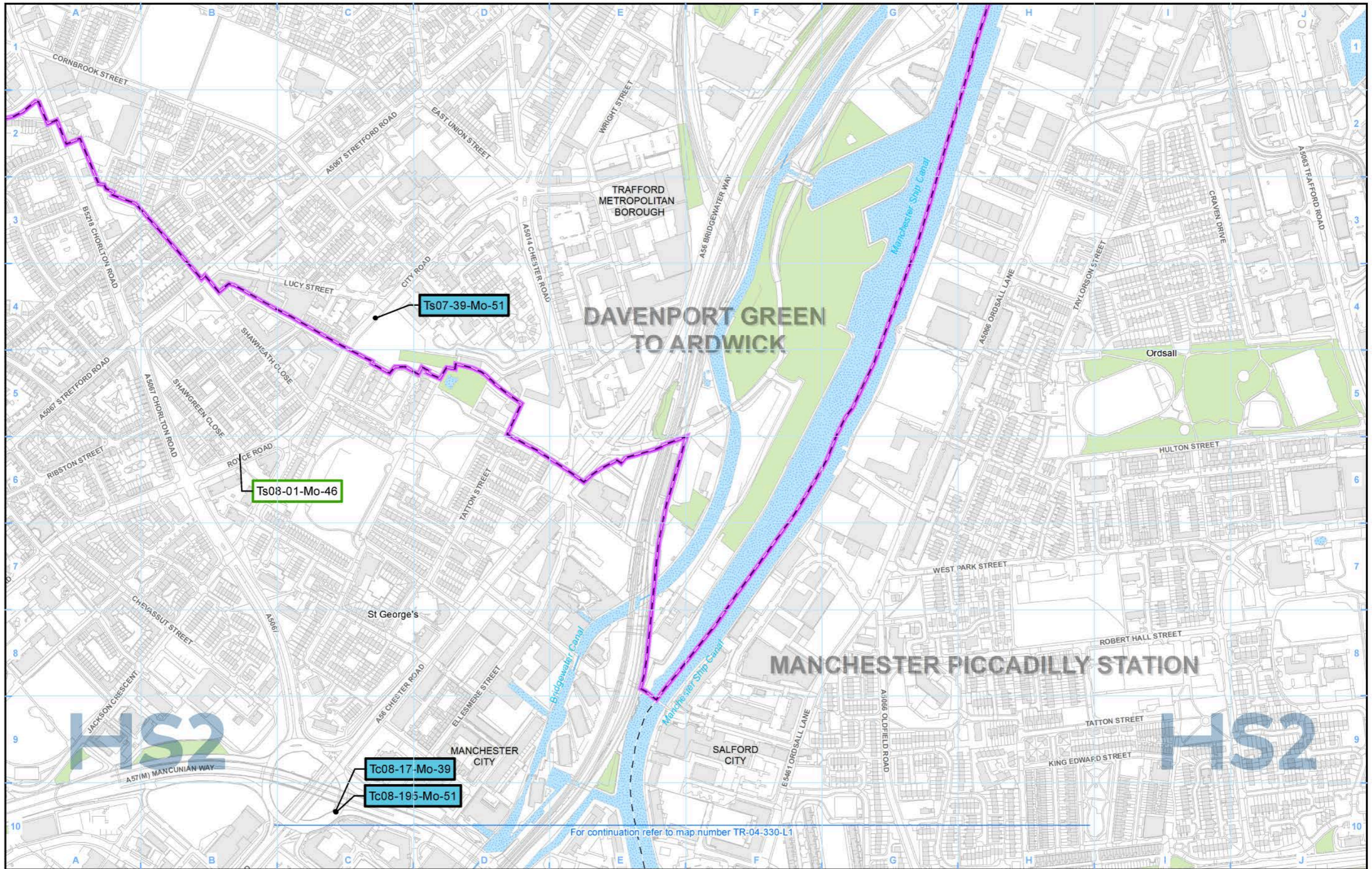
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DAVENPORT GREEN TO ARDWICK

MANCHESTER PICCADILLY STATION

- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland

- Operational significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-330-L2

Map Name: Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES

Community Area MA08: Manchester Piccadilly Station

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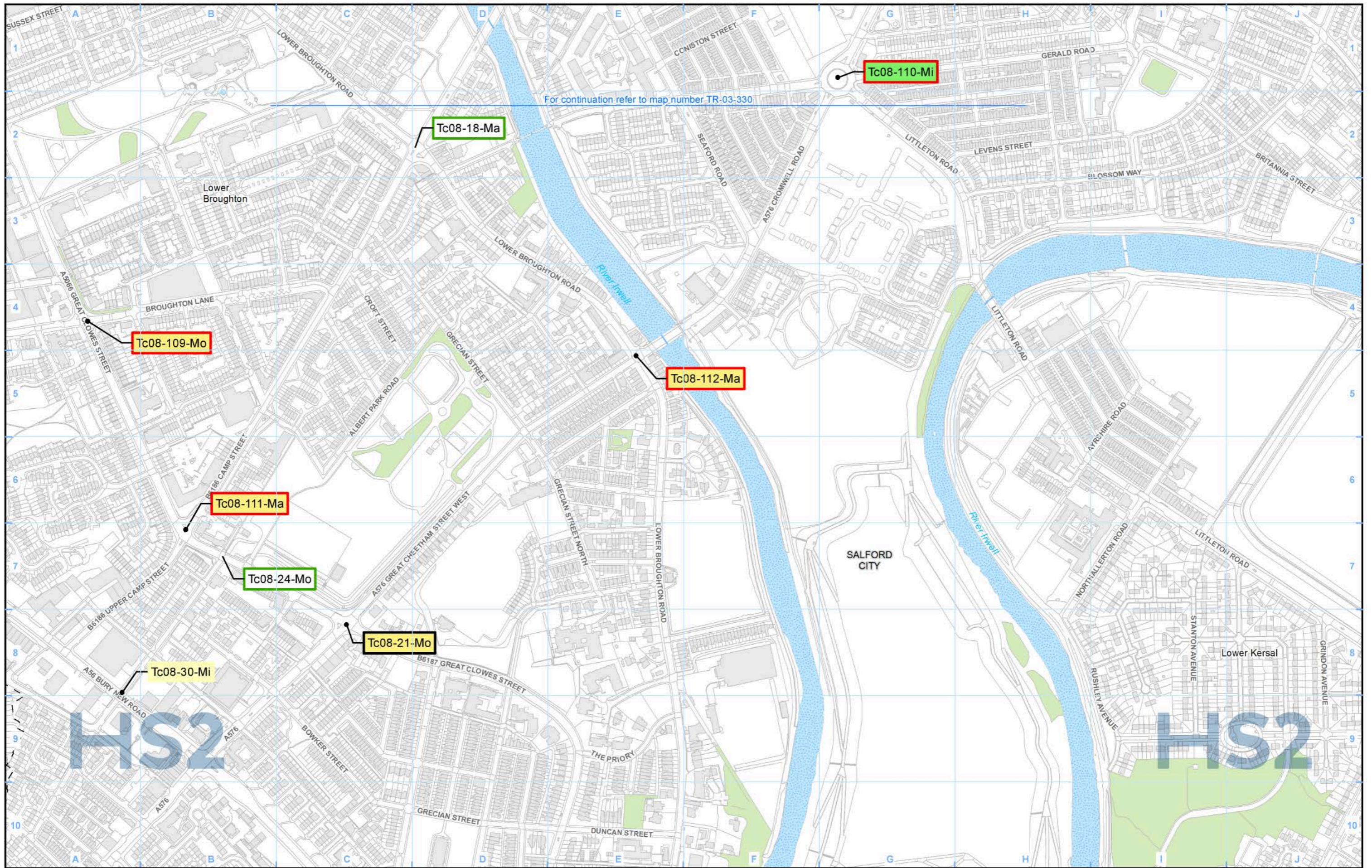
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For continuation refer to map number TR-03-330

| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | |
|--------|---|---|-----------------------|---|-----------------------|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent |
| | Route on surface | | Adverse, temporary | | Adverse, temporary |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent |
| | Community area boundary | | | | |
| | County boundary | | | | |
| | District/Borough boundary | | | | |
| | Watercourse | | | | |
| | Water body | | | | |
| | Woodland | | | | |
| | Construction traffic routes | | | | |

For full legend please refer to TR-03 legend page.

| | |
|------------|--|
| Map Number | TR-03-330-R1 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA08: Manchester Piccadilly Station |

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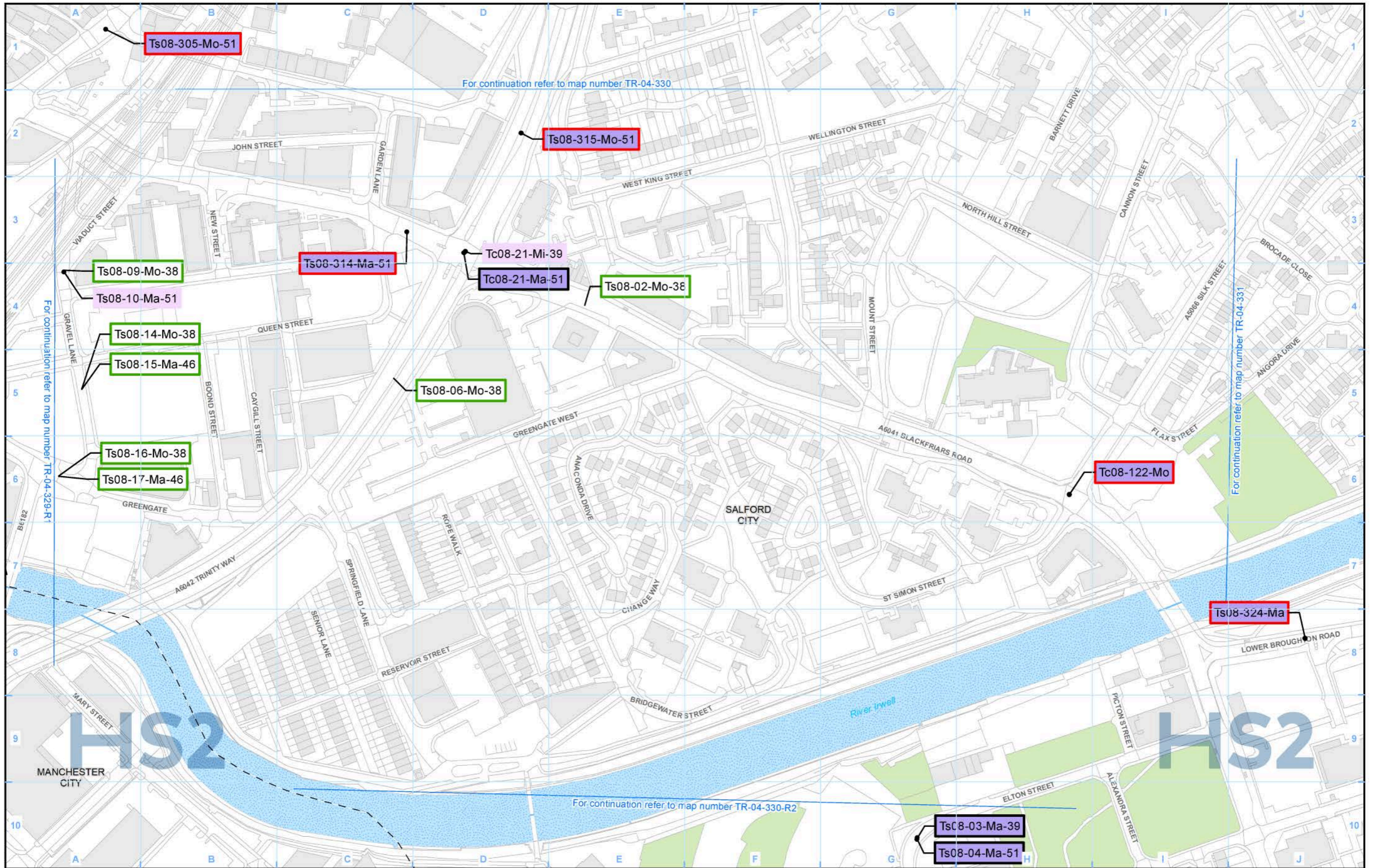
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Scale at A3: 1:5,000

Metres

Date: 03/05/23



For continuation refer to map number TR-04-330

For continuation refer to map number TR-04-329-R1

For continuation refer to map number TR-04-331

For continuation refer to map number TR-04-330-R2

- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland

- Operational significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-330-R1

Map Name: Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES

Community Area MA08: Manchester Piccadilly Station

HS2

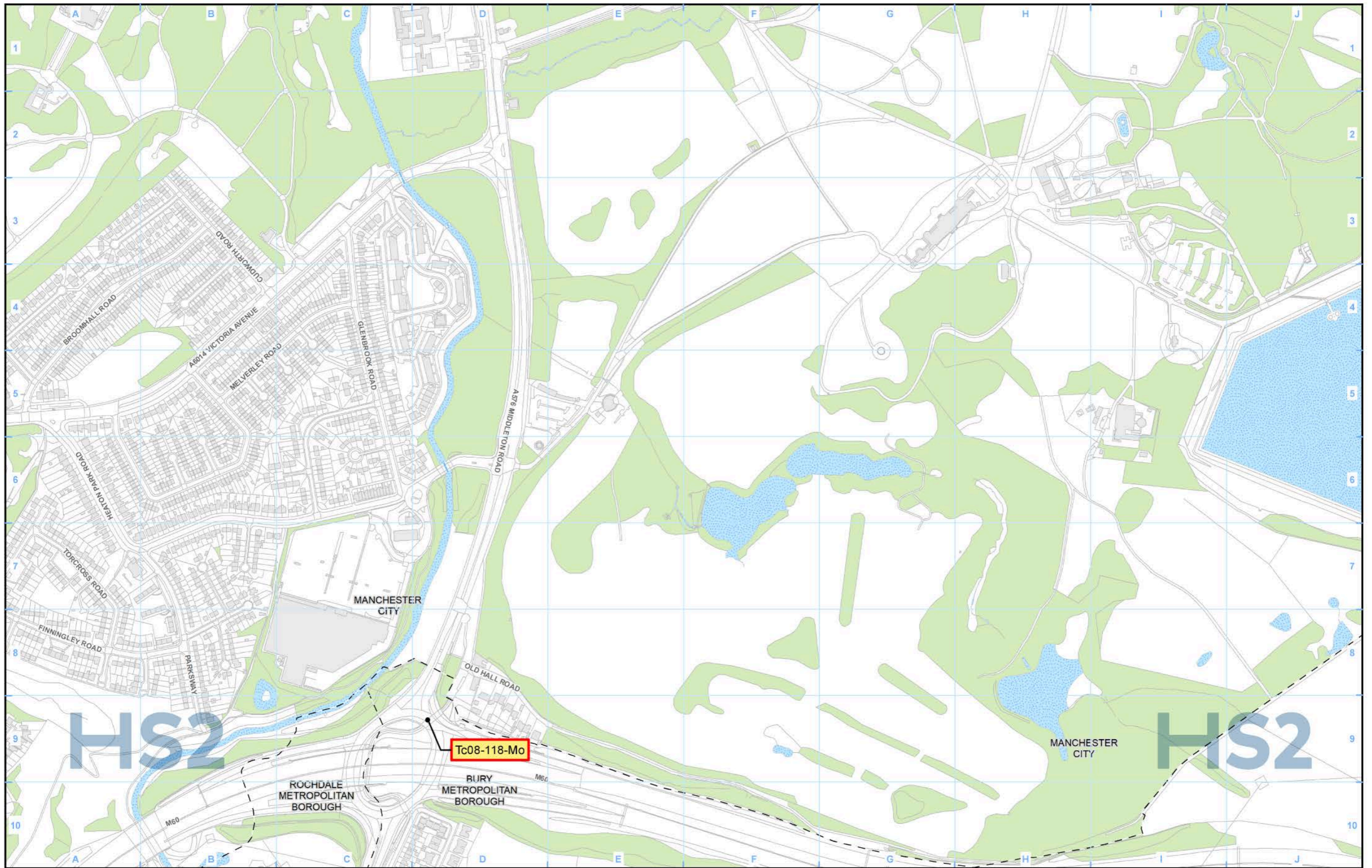
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| Legend | | Construction significant effects arising as a result of the current SES/AP: | | For full legend please refer to TR-03 legend page. |
|--------|---|---|-----------------------------|--|
| | Route in tunnel | | Adverse, permanent | |
| | Route on surface | | Adverse, temporary | |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | |
| | Land potentially required during construction | | Beneficial, permanent | |
| | Community area boundary | | Watercourse | |
| | County boundary | | Water body | |
| | District/Borough boundary | | Woodland | |
| | | | Construction traffic routes | |

Map Number: TR-03-330-R2

Map Name: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES

Community Area MA08: Manchester Piccadilly Station

HS2

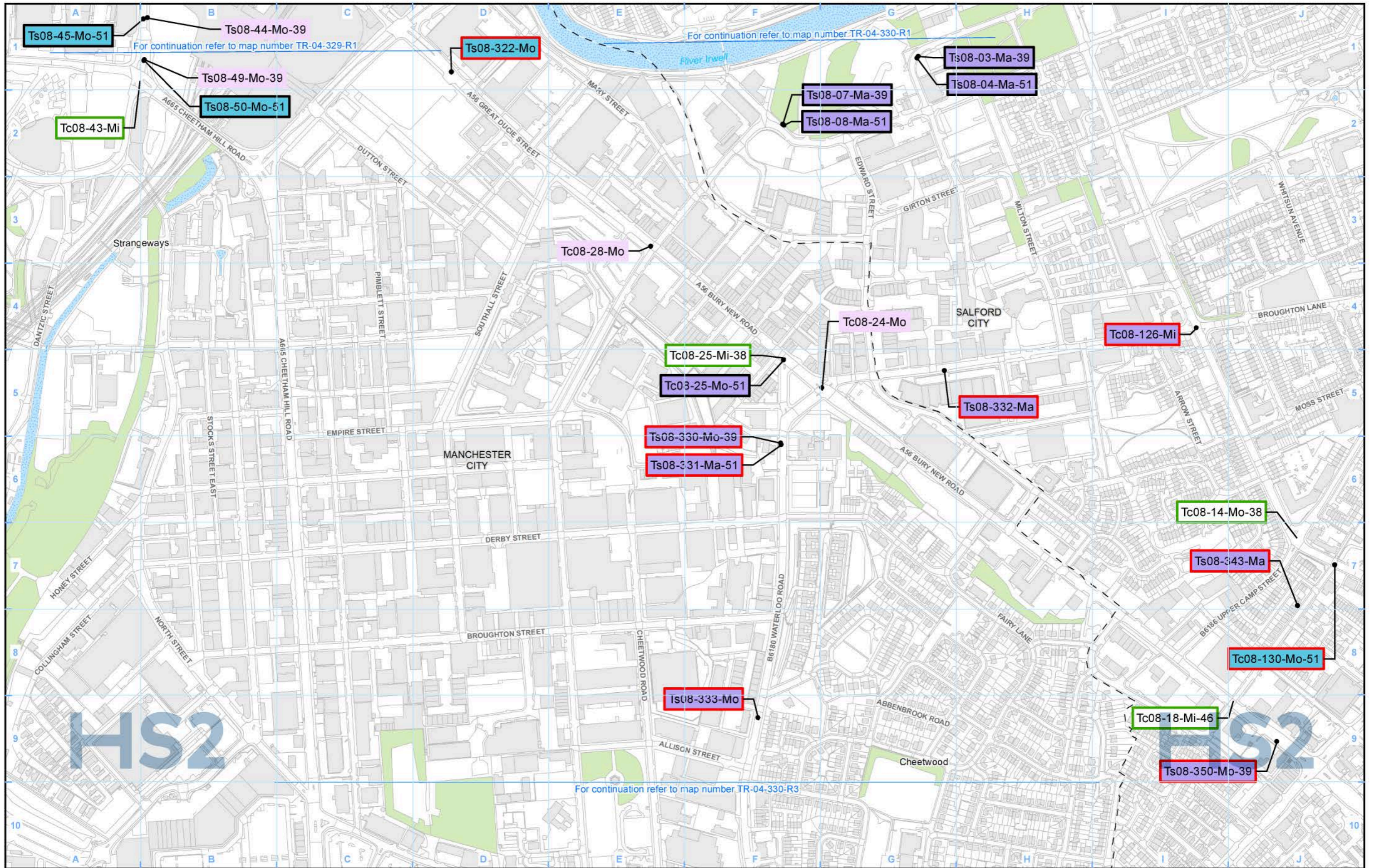
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Legend

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Community area boundary
- County boundary
- District/Borough boundary
- Watercourse
- Water body
- Woodland

Operational significant effects arising as a result of the current SES/AP:

- Adverse, permanent
- Adverse, temporary
- Beneficial, temporary
- Beneficial, permanent

Operational significant effects unchanged as a result of the current SES/AP:

- Adverse, permanent
- Adverse, temporary
- Beneficial, temporary
- Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-330-R2

Map Name: Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES

Community Area MA08: Manchester Piccadilly Station

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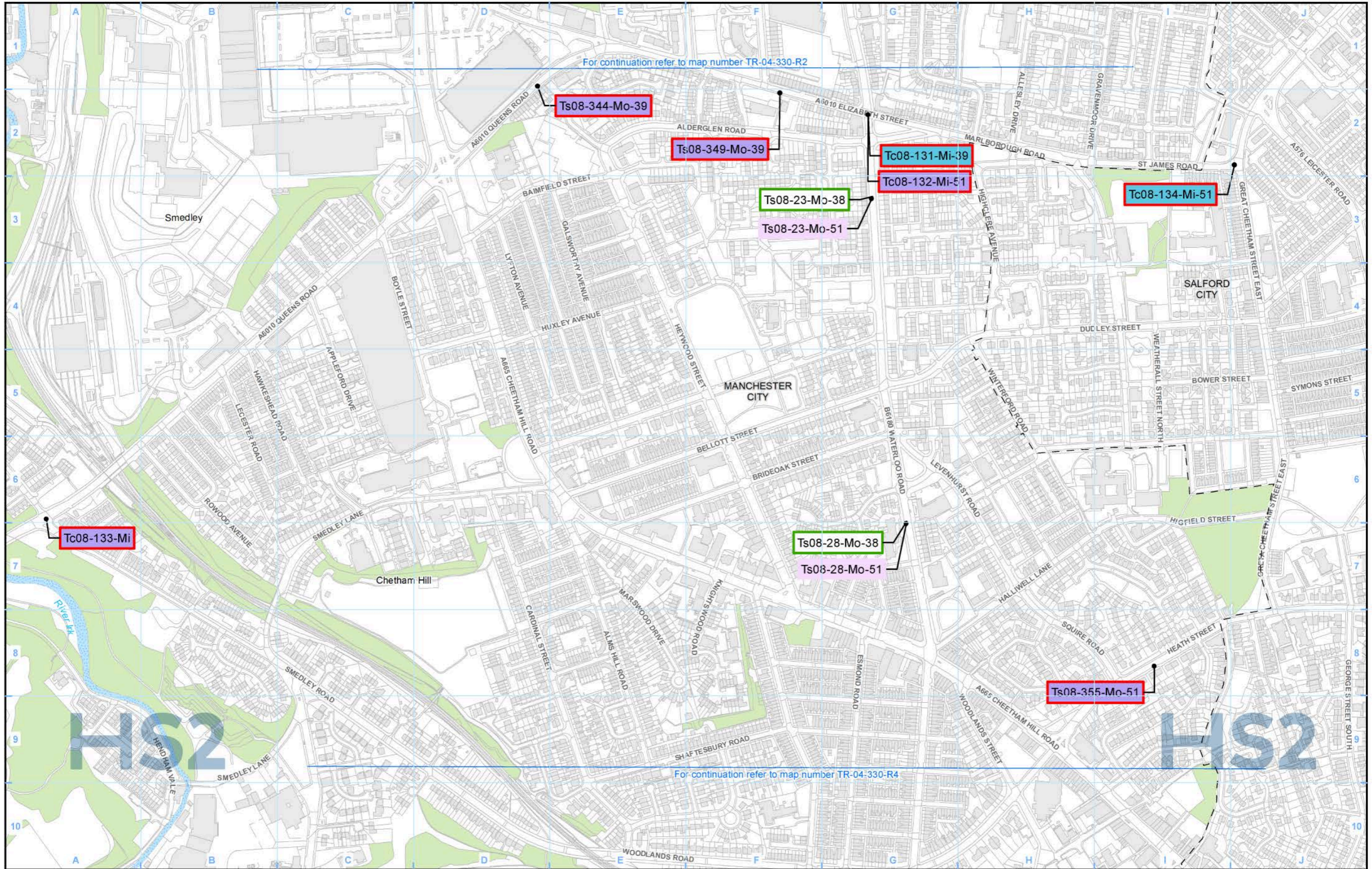
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Date: 13/04/23

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For continuation refer to map number TR-04-330-R2

For continuation refer to map number TR-04-330-R4

- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland

- Operational significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-330-R3

Map Name: Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES

Community Area MA08: Manchester Piccadilly Station

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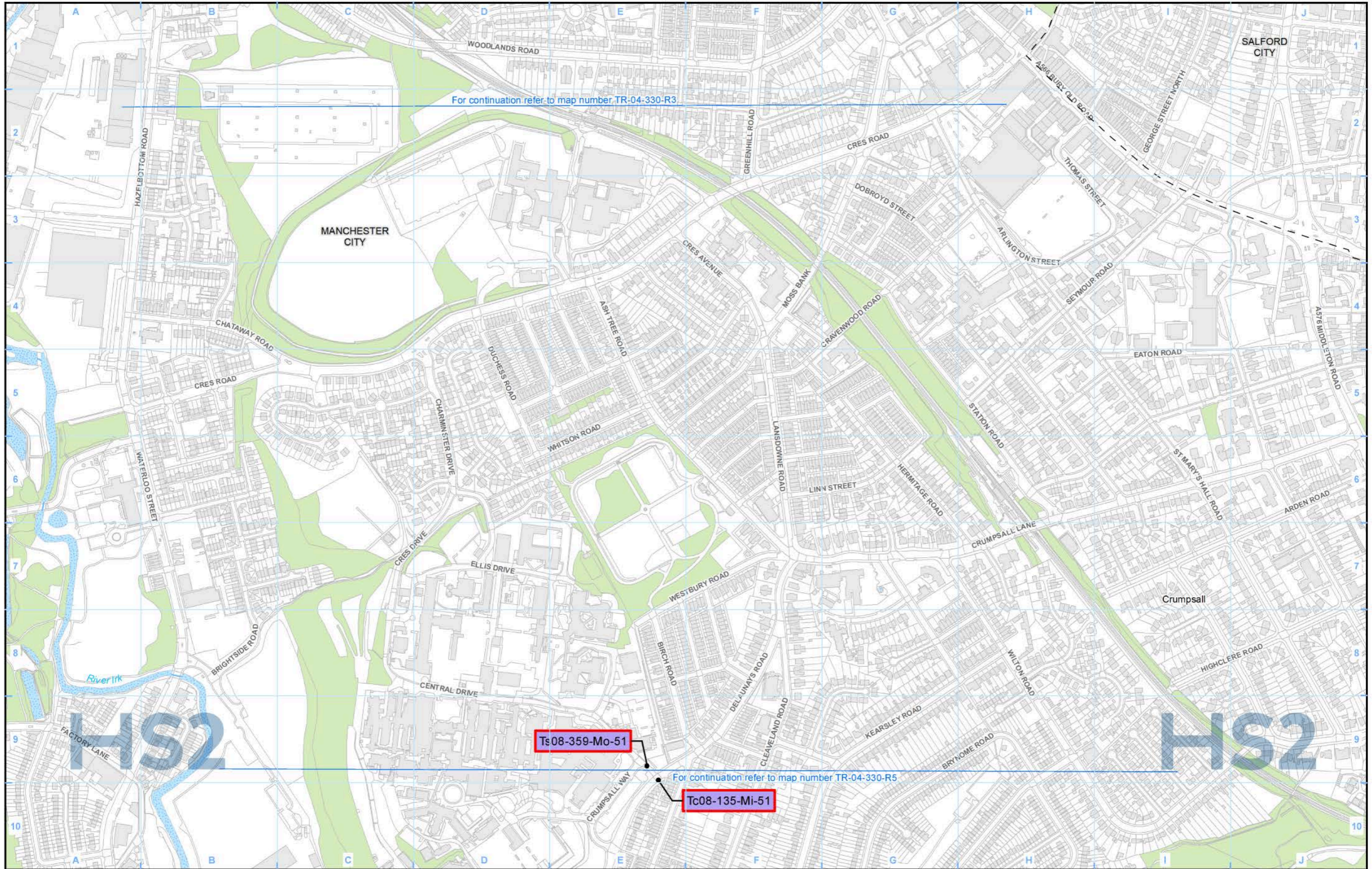
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Date: 13/04/23

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For continuation refer to map number TR-04-330-R3

For continuation refer to map number TR-04-330-R5

- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland

- Operational significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: **TR-04-330-R4**

Map Name: **Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES**

Community Area MA08: **Manchester Piccadilly Station**

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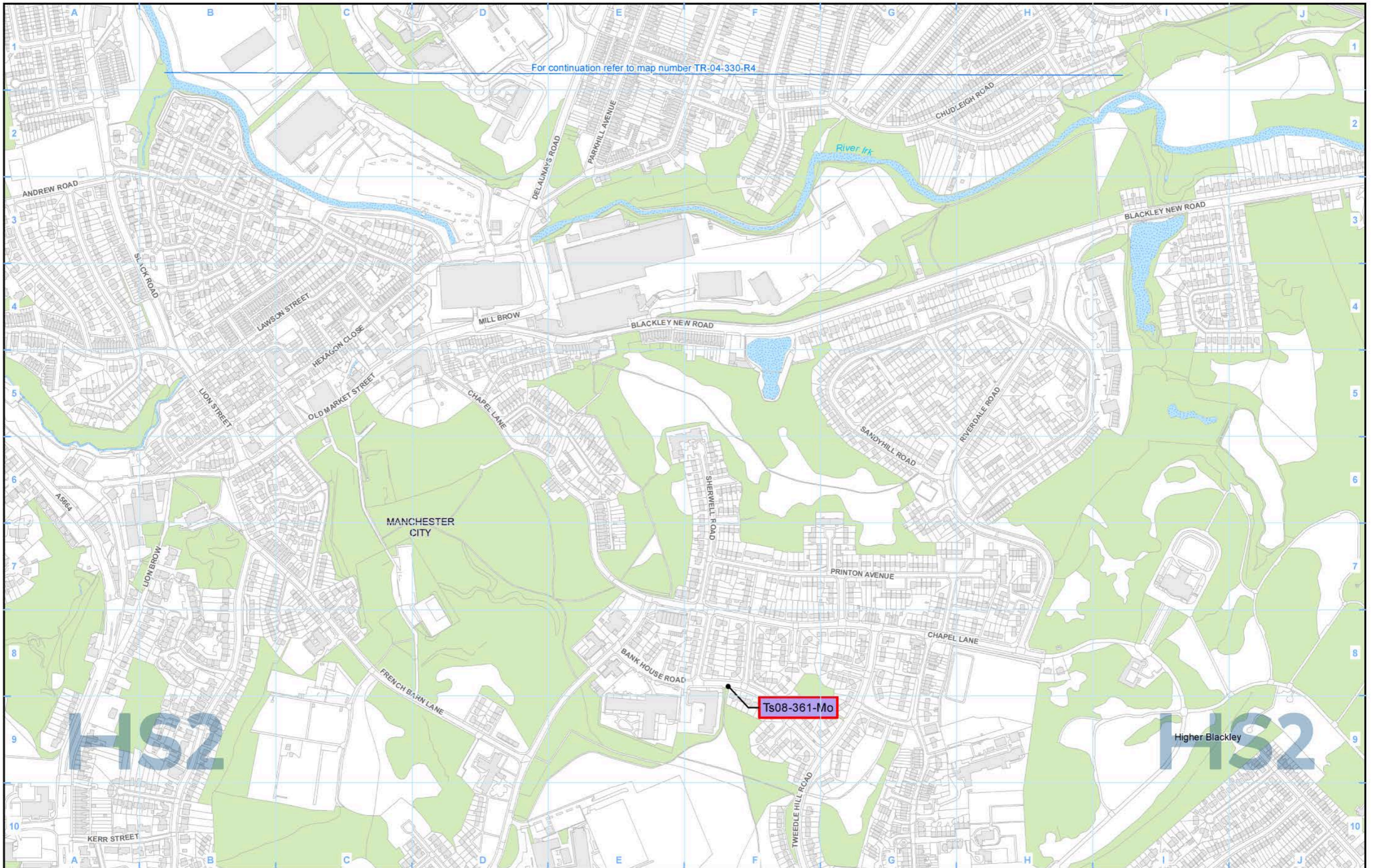
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For continuation refer to map number TR-04-330-R4



- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland

- Operational significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-330-R5

Map Name: Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES

Community Area MA08: Manchester Piccadilly Station

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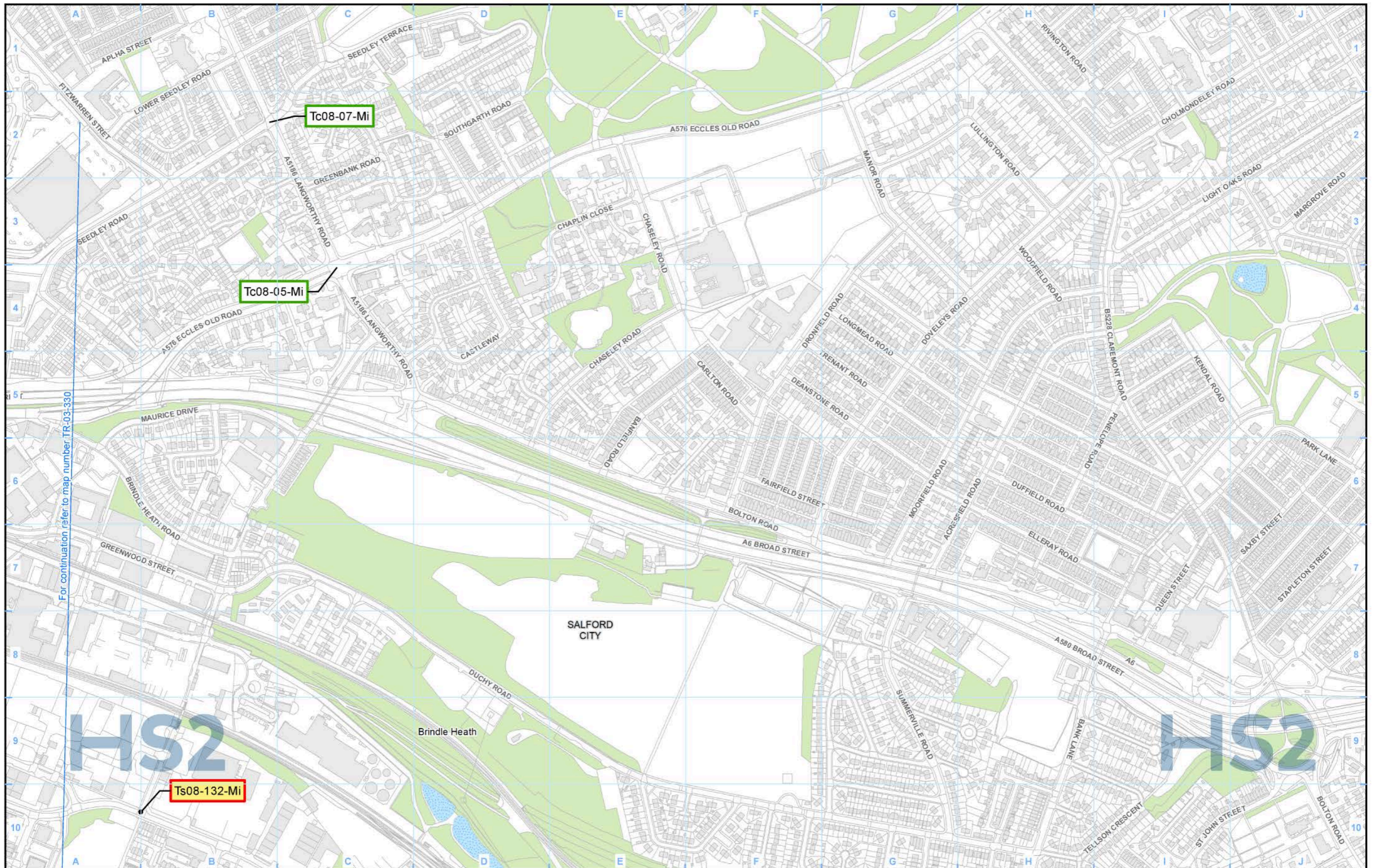
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For continuation refer to map number TR-03-330

| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | | For full legend please refer to TR-03 legend page. |
|--------|---|---|-----------------------|---|-----------------------|--|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent | |
| | Route on surface | | Adverse, temporary | | Adverse, temporary | |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary | |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent | |
| | Community area boundary | | | | | |
| | County boundary | | | | | |
| | District/Borough boundary | | | | | |
| | Watercourse | | | | | |
| | Water body | | | | | |
| | Woodland | | | | | |
| | Construction traffic routes | | | | | |

| | |
|------------|--|
| Map Number | TR-03-331 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA08: Manchester Piccadilly Station |

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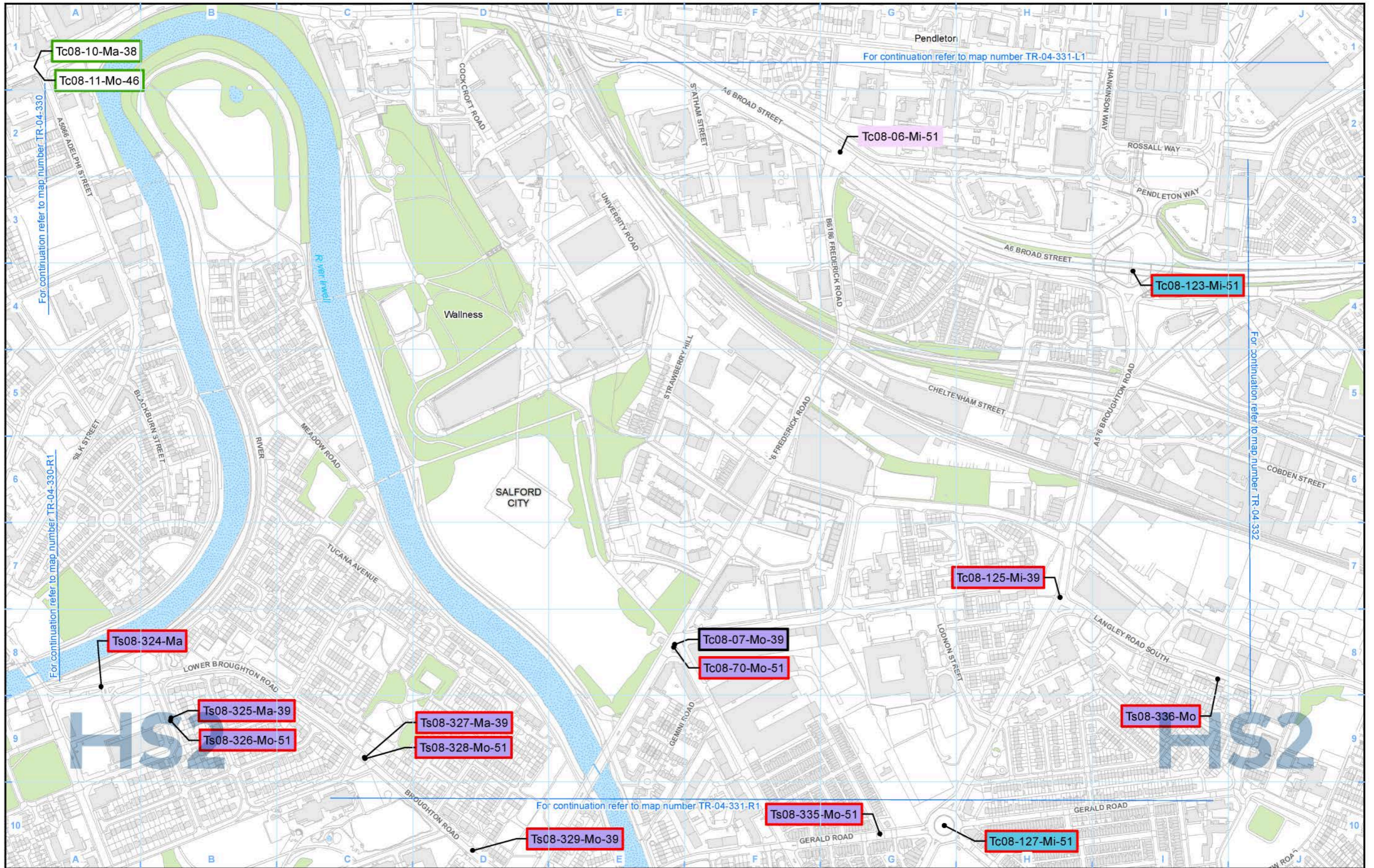
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Metres

Date: 03/05/23

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- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary
 - Watercourse
 - Water body
 - Woodland

- Operational significant effects arising as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:**
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-331

Map Name: Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES

Community Area MA08: Manchester Piccadilly Station

HS2

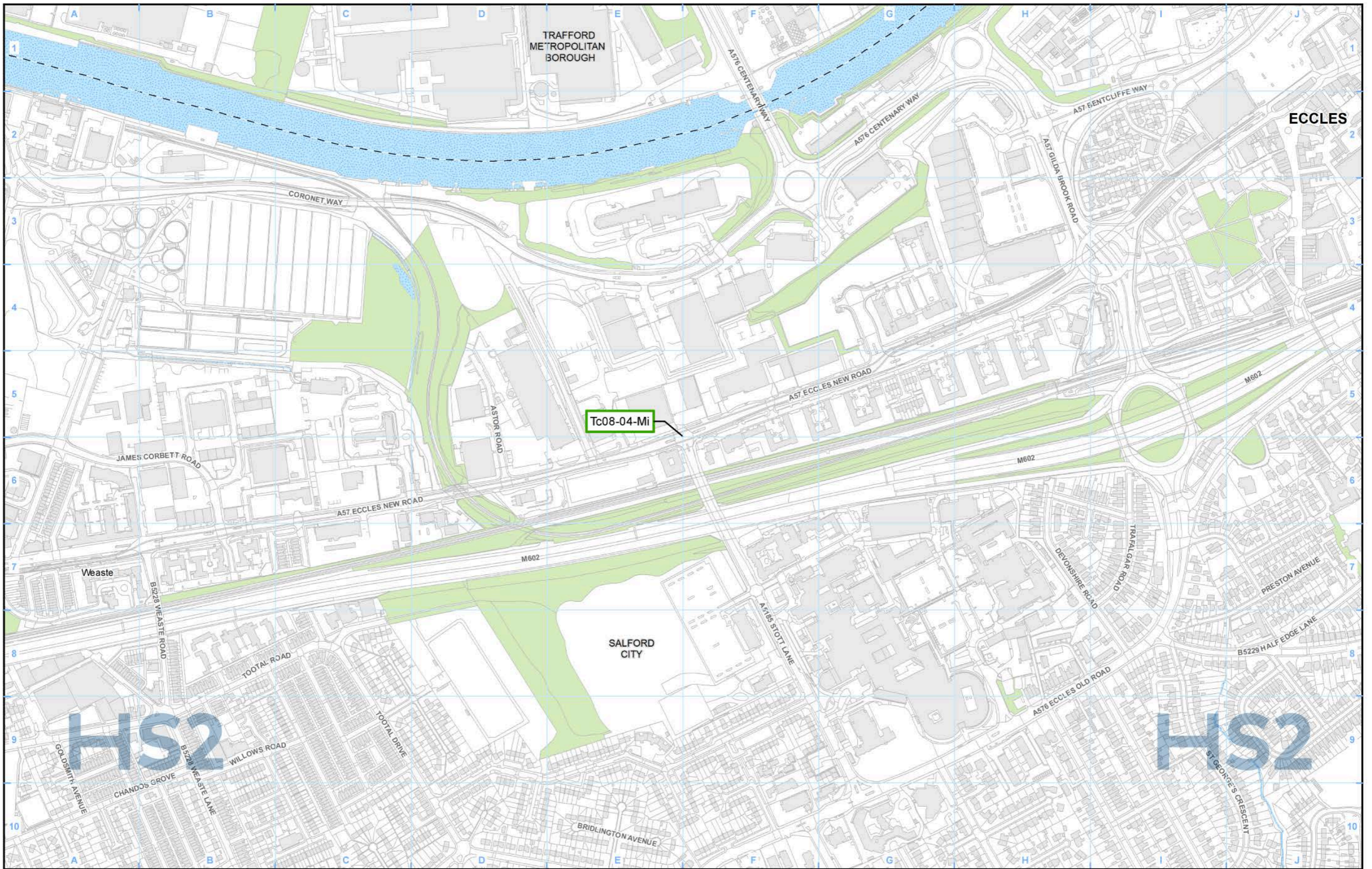
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| Legend | | Construction significant effects arising as a result of the current SES/AP: | | For full legend please refer to TR-03 legend page. | | | | | | | | | | | | | | | | |
|--------|---|---|-----------------------------|---|--|--------------------|--|--------------------|--|--------------------|--|--------------------|--|-----------------------|--|-----------------------|--|-----------------------|--|-----------------------|
| | Route in tunnel | | Watercourse | For full legend please refer to TR-03 legend page. | | | | | | | | | | | | | | | | |
| | Route on surface | | Water body | | | | | | | | | | | | | | | | | |
| | Depot, station, headhouse or portal building | | Woodland | <table border="1"> <tr> <td></td> <td>Adverse, permanent</td> <td></td> <td>Adverse, permanent</td> </tr> <tr> <td></td> <td>Adverse, temporary</td> <td></td> <td>Adverse, temporary</td> </tr> <tr> <td></td> <td>Beneficial, temporary</td> <td></td> <td>Beneficial, temporary</td> </tr> <tr> <td></td> <td>Beneficial, permanent</td> <td></td> <td>Beneficial, permanent</td> </tr> </table> | | Adverse, permanent | | Adverse, permanent | | Adverse, temporary | | Adverse, temporary | | Beneficial, temporary | | Beneficial, temporary | | Beneficial, permanent | | Beneficial, permanent |
| | Adverse, permanent | | Adverse, permanent | | | | | | | | | | | | | | | | | |
| | Adverse, temporary | | Adverse, temporary | | | | | | | | | | | | | | | | | |
| | Beneficial, temporary | | Beneficial, temporary | | | | | | | | | | | | | | | | | |
| | Beneficial, permanent | | Beneficial, permanent | | | | | | | | | | | | | | | | | |
| | Land potentially required during construction | | Construction traffic routes | | | | | | | | | | | | | | | | | |
| | Community area boundary | | | | | | | | | | | | | | | | | | | |
| | County boundary | | | | | | | | | | | | | | | | | | | |
| | District/Borough boundary | | | | | | | | | | | | | | | | | | | |

Map Number: TR-03-331-L1

Map Name: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES

Community Area MA08: Manchester Piccadilly Station

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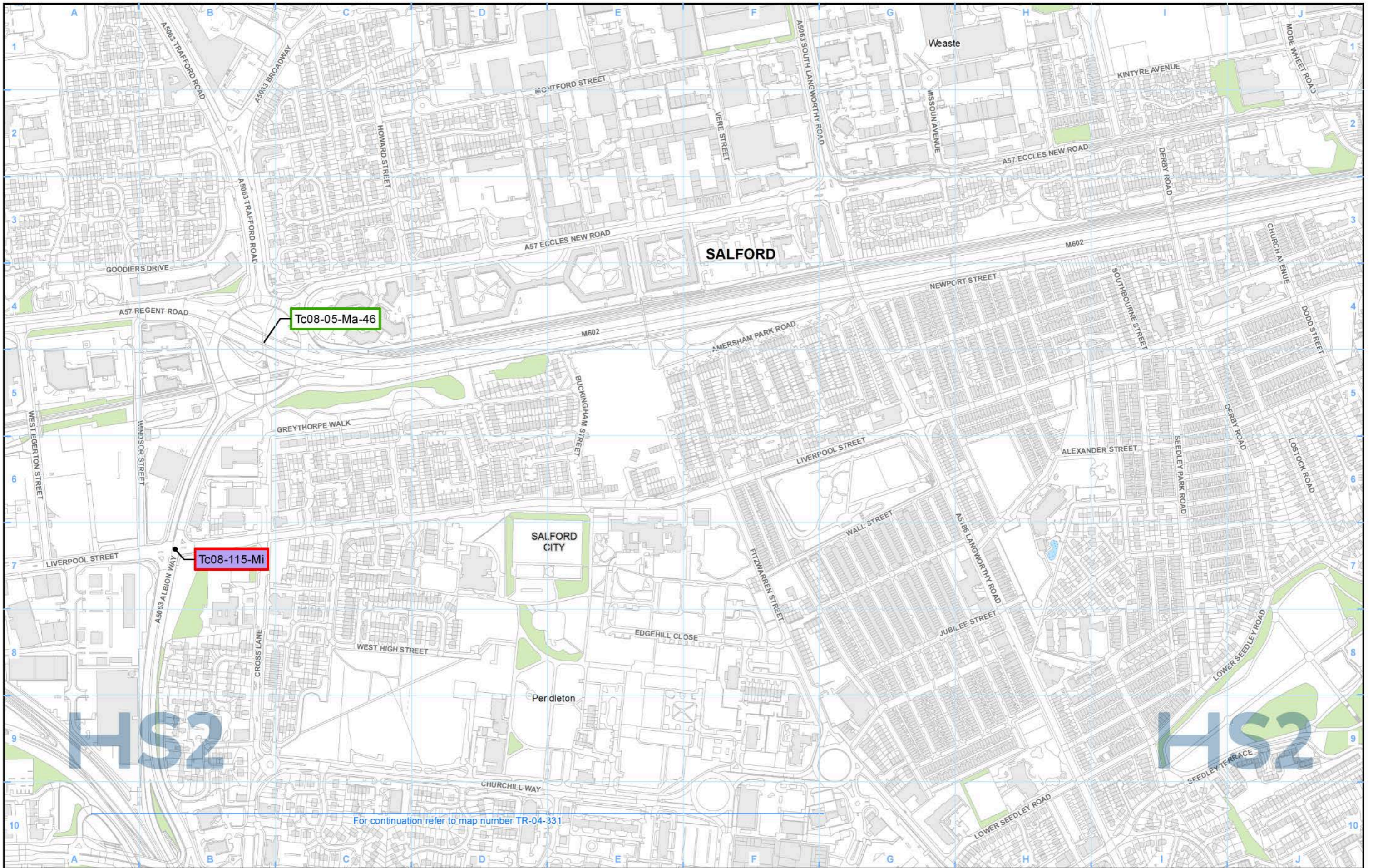
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Date: 03/05/23

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Metres



- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland

- Operational significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

For continuation refer to map number TR-04-331

Map Number: TR-04-331-L1

Map Name: Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES

Community Area MA08: Manchester Piccadilly Station

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| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | | For full legend please refer to TR-03 legend page. |
|--------|---|---|-----------------------|---|-----------------------|--|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent | |
| | Route on surface | | Adverse, temporary | | Adverse, temporary | |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary | |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent | |
| | Community area boundary | | | | | |
| | County boundary | | | | | |
| | District/Borough boundary | | | | | |
| | Watercourse | | | | | |
| | Water body | | | | | |
| | Woodland | | | | | |
| | Construction traffic routes | | | | | |

| | |
|------------|--|
| Map Number | TR-03-331-R1 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA08: Manchester Piccadilly Station |

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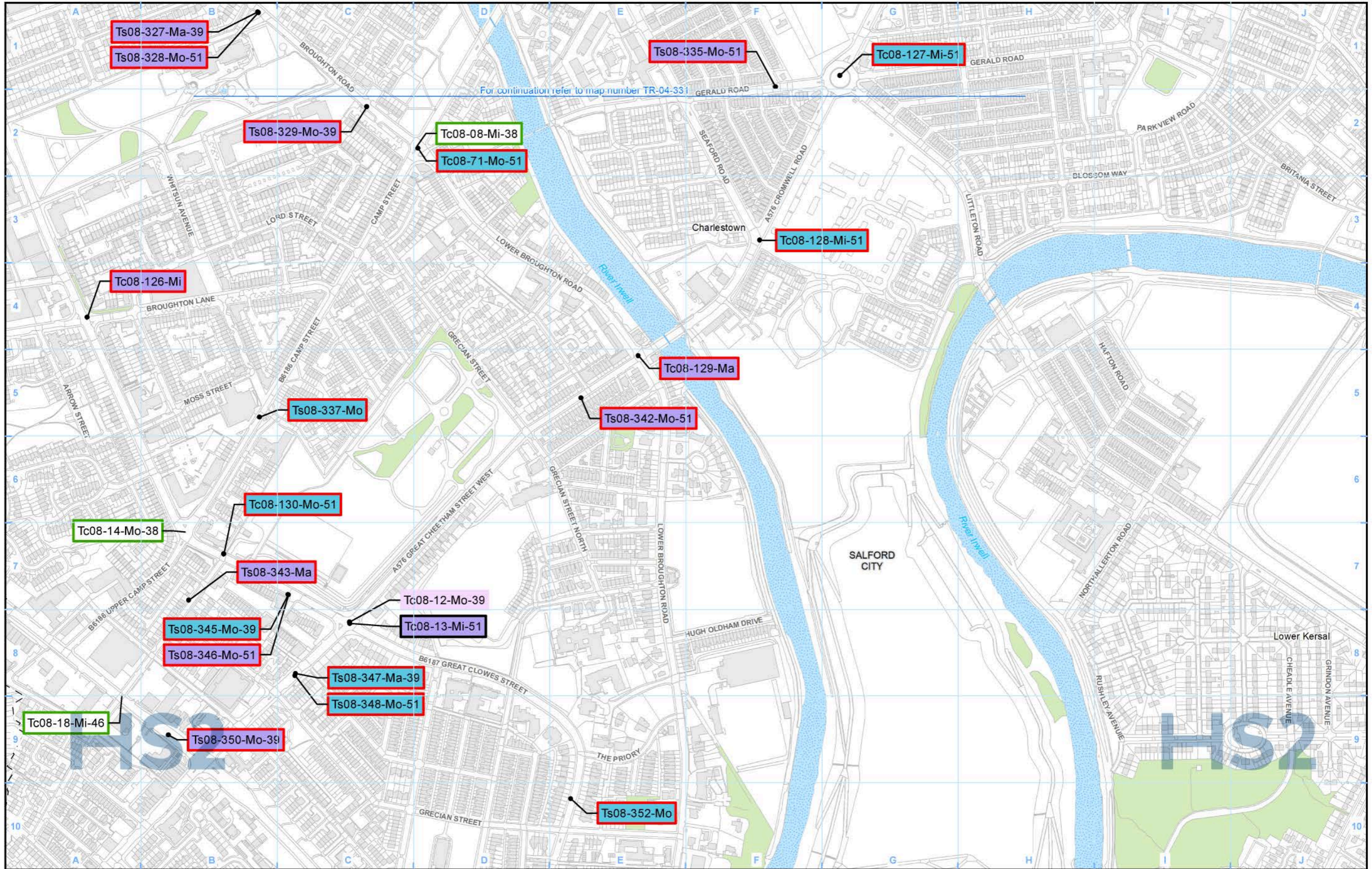
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Metres

Date: 03/05/23



For continuation refer to map number TR-04-331

Legend

| | | | |
|--|--|--|-------------|
| | Route in tunnel | | Watercourse |
| | Route on surface | | Water body |
| | Depot, station, headhouse or portal building | | Woodland |
| | Community area boundary | | |
| | County boundary | | |
| | District/Borough boundary | | |

| | |
|---|---|
| Operational significant effects arising as a result of the current SES/AP: | Operational significant effects unchanged as a result of the current SES/AP: |
| Adverse, permanent | Adverse, permanent |
| Adverse, temporary | Adverse, temporary |
| Beneficial, temporary | Beneficial, temporary |
| Beneficial, permanent | Beneficial, permanent |

For full legend please refer to TR-04 legend page.

| | |
|------------|---|
| Map Number | TR-04-331-R1 |
| Map Name | Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES |
| | Community Area MA08: Manchester Piccadilly Station |

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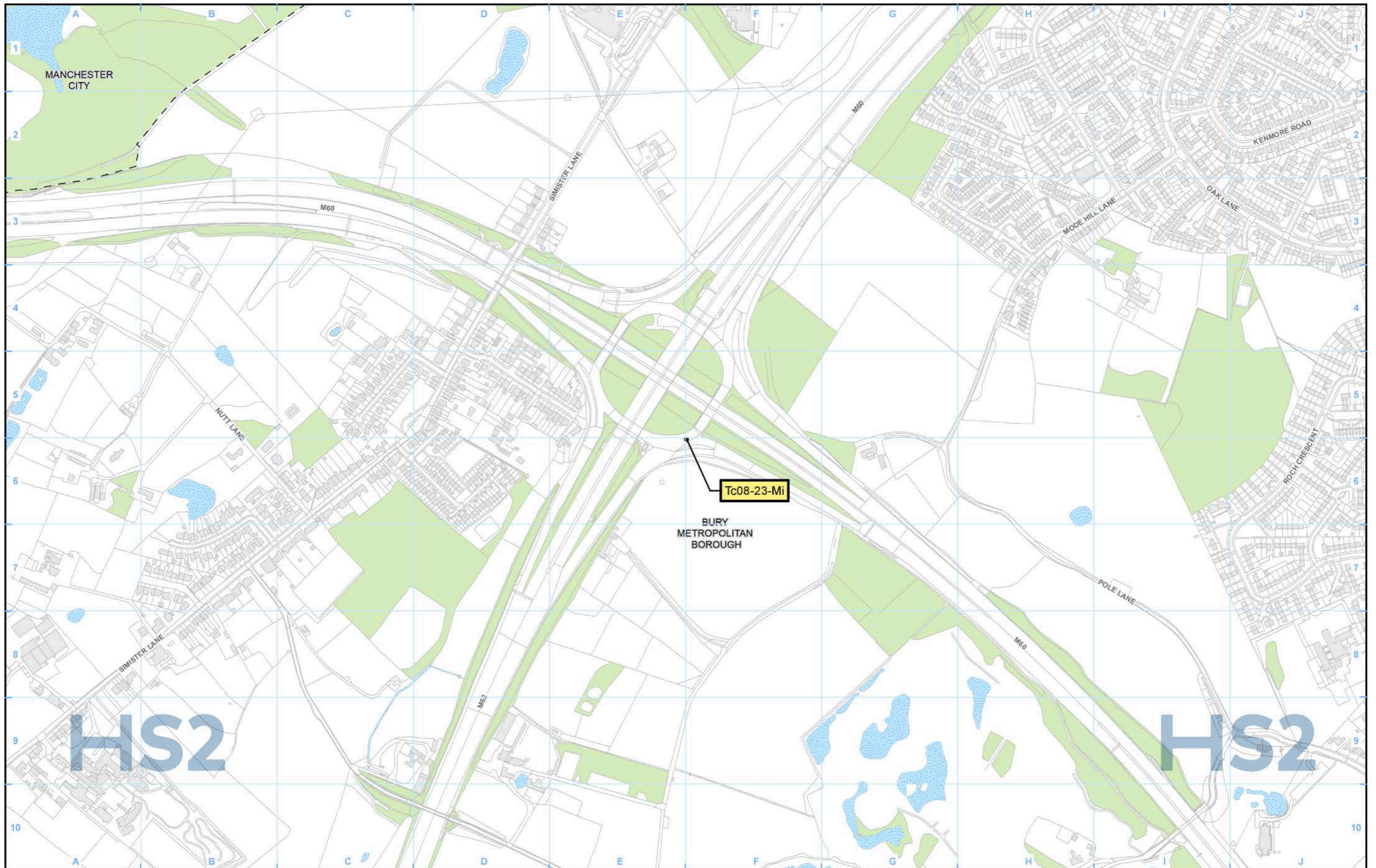
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| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | | For full legend please refer to TR-03 legend page. |
|--------|---|---|-----------------------|---|-----------------------|--|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent | |
| | Route on surface | | Adverse, temporary | | Adverse, temporary | |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary | |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent | |
| | Community area boundary | | | | | |
| | County boundary | | | | | |
| | District/Borough boundary | | | | | |
| | Watercourse | | | | | |
| | Water body | | | | | |
| | Woodland | | | | | |
| | Construction traffic routes | | | | | |

| | |
|------------|--|
| Map Number | TR-03-331-R2 |
| Map Name | Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Community Area MA08: Manchester Piccadilly Station |

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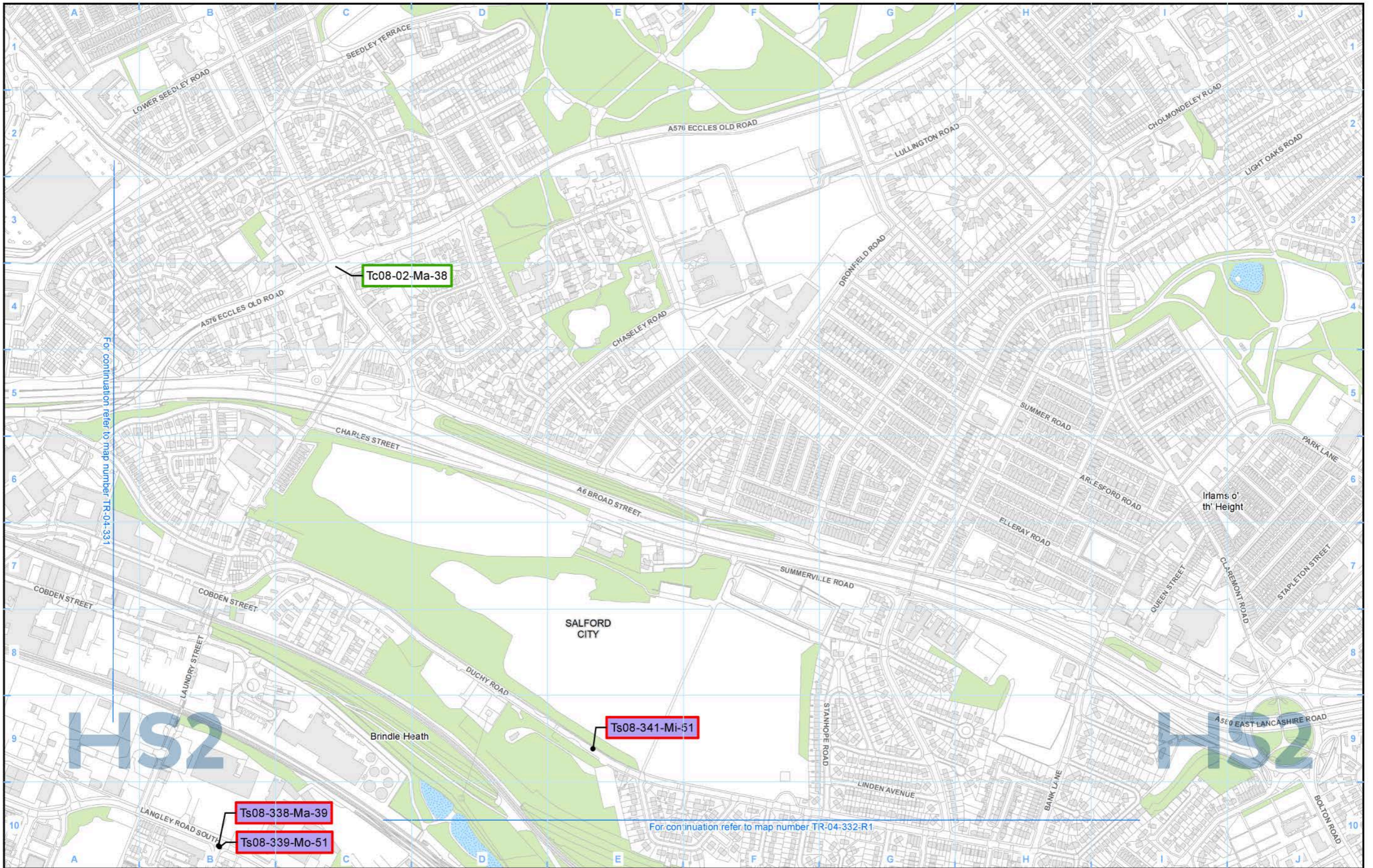
Metres

Date: 03/05/23

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- Legend**
- Route in tunnel
 - Route on surface
 - Depot, station, headhouse or portal building
 - Community area boundary
 - County boundary
 - District/Borough boundary

- Watercourse
- Water body
- Woodland

- Operational significant effects arising as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent
- Operational significant effects unchanged as a result of the current SES/AP:
- Adverse, permanent
 - Adverse, temporary
 - Beneficial, temporary
 - Beneficial, permanent

For full legend please refer to TR-04 legend page.

Map Number: TR-04-332

Map Name: Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES

Community Area MA08: Manchester Piccadilly Station

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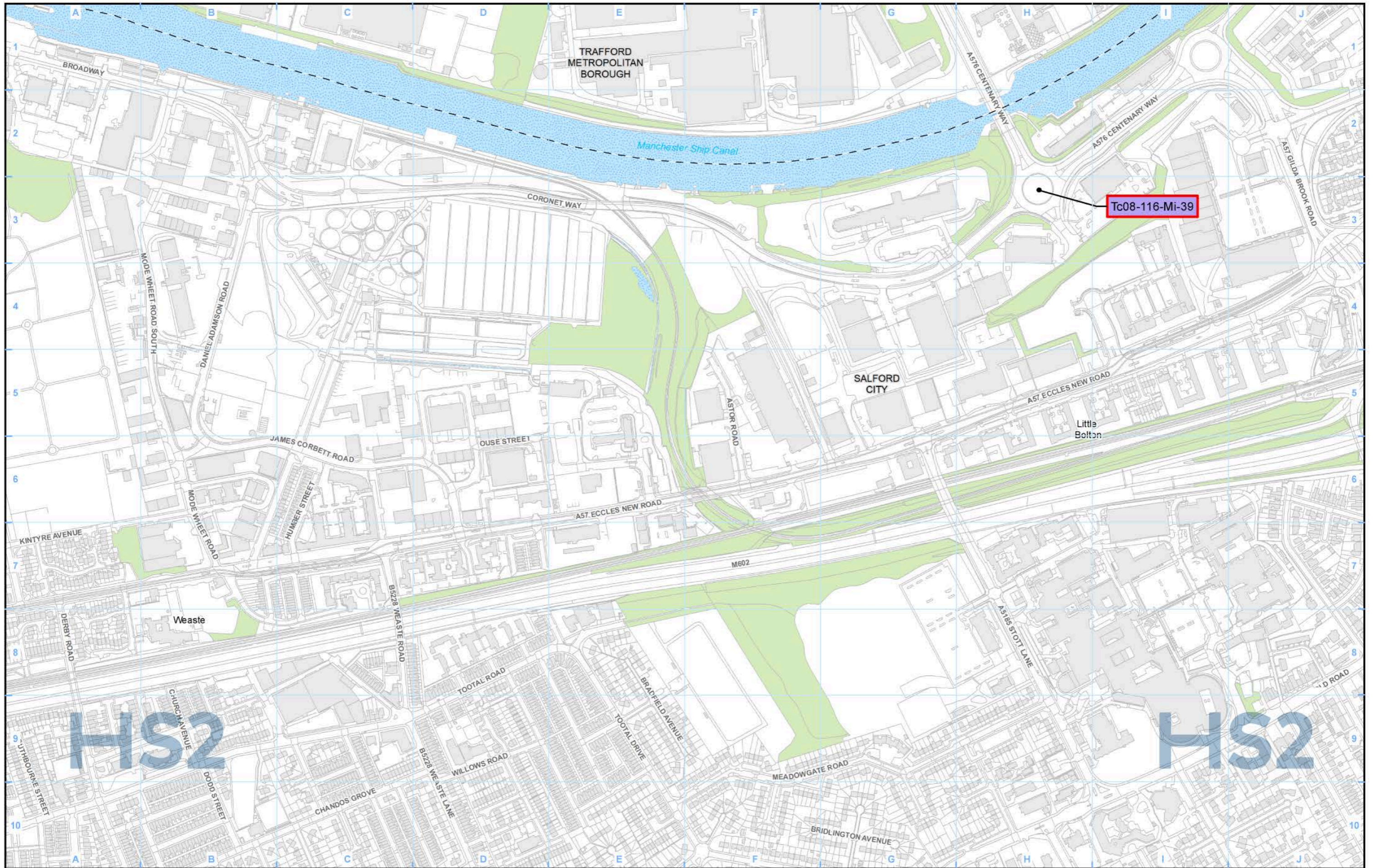
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Legend

| | |
|--|--|
| | Route in tunnel |
| | Route on surface |
| | Depot, station, headhouse or portal building |
| | Community area boundary |
| | County boundary |
| | District/Borough boundary |

| | |
|--|-------------|
| | Watercourse |
| | Water body |
| | Woodland |

| | | | |
|--|-----------------------|--|-----------------------|
| Operational significant effects arising as a result of the current SES/AP: | | Operational significant effects unchanged as a result of the current SES/AP: | |
| | Adverse, permanent | | Adverse, permanent |
| | Adverse, temporary | | Adverse, temporary |
| | Beneficial, temporary | | Beneficial, temporary |
| | Beneficial, permanent | | Beneficial, permanent |

For full legend please refer to TR-04 legend page.

| | |
|------------|---|
| Map Number | TR-04-332-L1 |
| Map Name | Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES |
| | Community Area MA08: Manchester Piccadilly Station |

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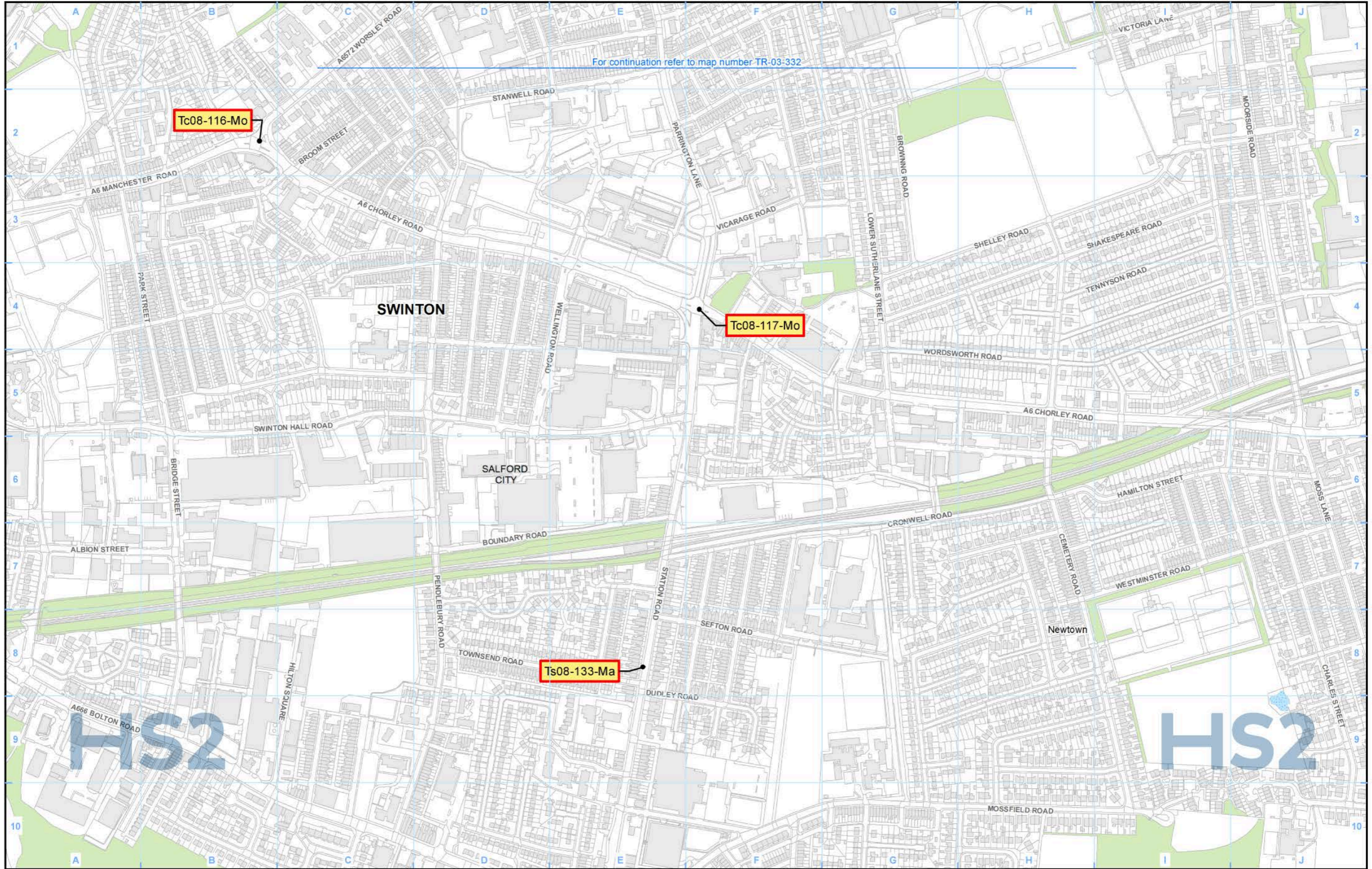
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For continuation refer to map number TR-03-332



| Legend | | Construction significant effects arising as a result of the current SES/AP: | | Construction significant effects unchanged as a result of the current SES/AP: | | For full legend please refer to TR-03 legend page. |
|--------|---|---|-----------------------|---|-----------------------|--|
| | Route in tunnel | | Adverse, permanent | | Adverse, permanent | |
| | Route on surface | | Adverse, temporary | | Adverse, temporary | |
| | Depot, station, headhouse or portal building | | Beneficial, temporary | | Beneficial, temporary | |
| | Land potentially required during construction | | Beneficial, permanent | | Beneficial, permanent | |
| | Community area boundary | | | | | |
| | County boundary | | | | | |
| | District/Borough boundary | | | | | |
| | Watercourse | | | | | |
| | Water body | | | | | |
| | Woodland | | | | | |
| | Construction traffic routes | | | | | |

Map Number: TR-03-332-R1

Map Name: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES

Community Area MA08: Manchester Piccadilly Station

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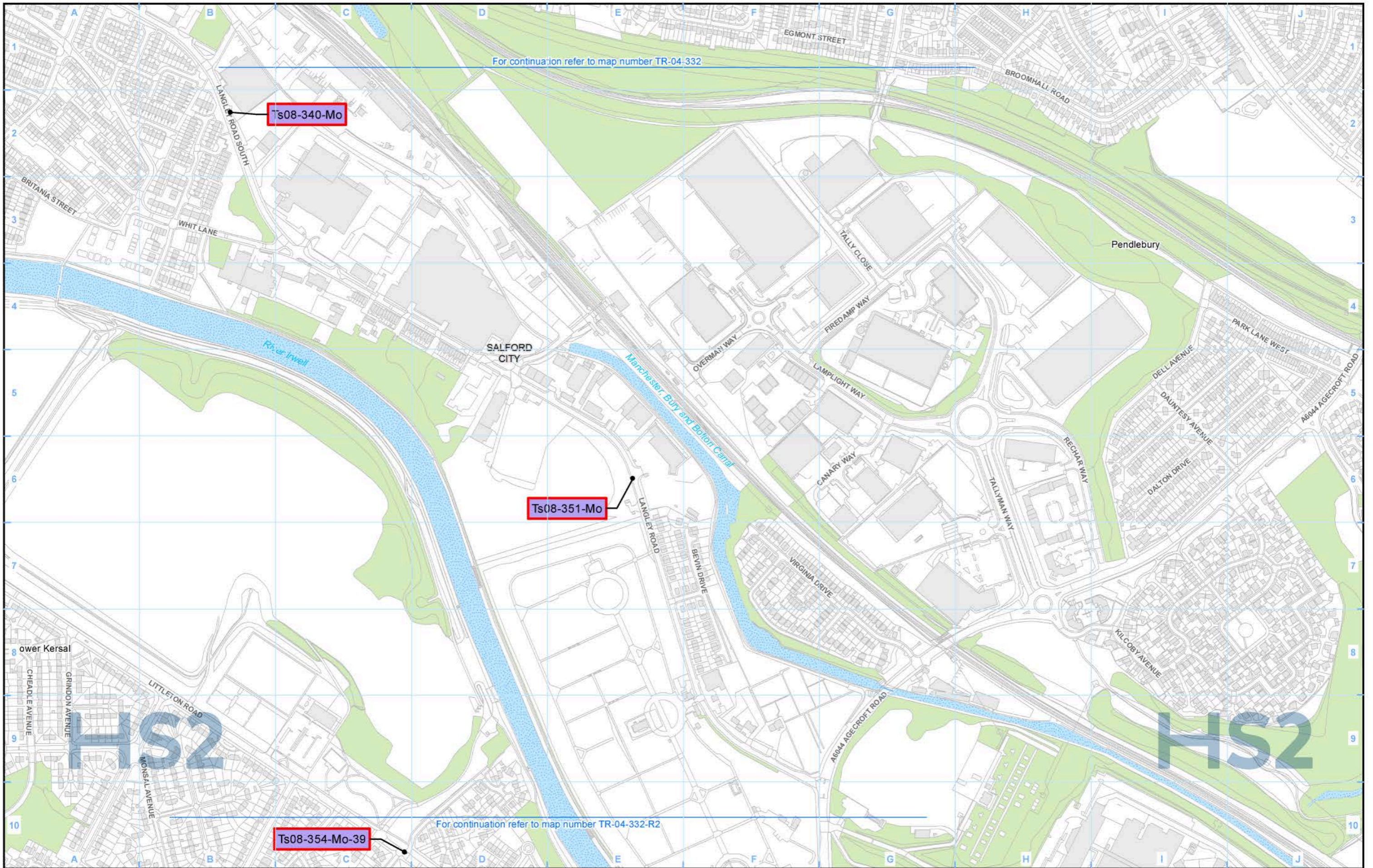
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Metres



For continuation refer to map number TR-04-332

For continuation refer to map number TR-04-332-R2

Legend

| | | | |
|--|--|--|-------------|
| | Route in tunnel | | Watercourse |
| | Route on surface | | Water body |
| | Depot, station, headhouse or portal building | | Woodland |
| | Community area boundary | | |
| | County boundary | | |
| | District/Borough boundary | | |

| | |
|---|---|
| Operational significant effects arising as a result of the current SES/AP: | Operational significant effects unchanged as a result of the current SES/AP: |
| Adverse, permanent | Adverse, permanent |
| Adverse, temporary | Adverse, temporary |
| Beneficial, temporary | Beneficial, temporary |
| Beneficial, permanent | Beneficial, permanent |

For full legend please refer to TR-04 legend page.

| | |
|------------|---|
| Map Number | TR-04-332-R1 |
| Map Name | Significant Residual Transport Effects Arising From Operation SES2 and AP2 ES |
| | Community Area MA08: Manchester Piccadilly Station |

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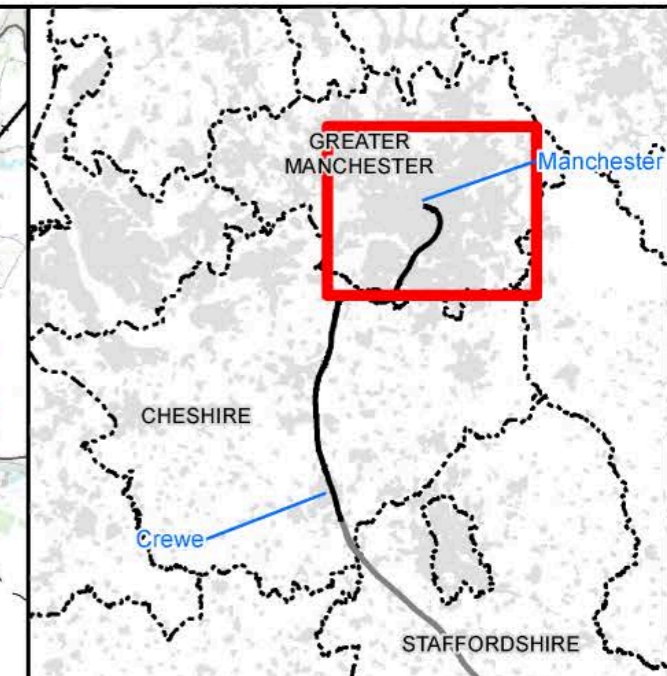
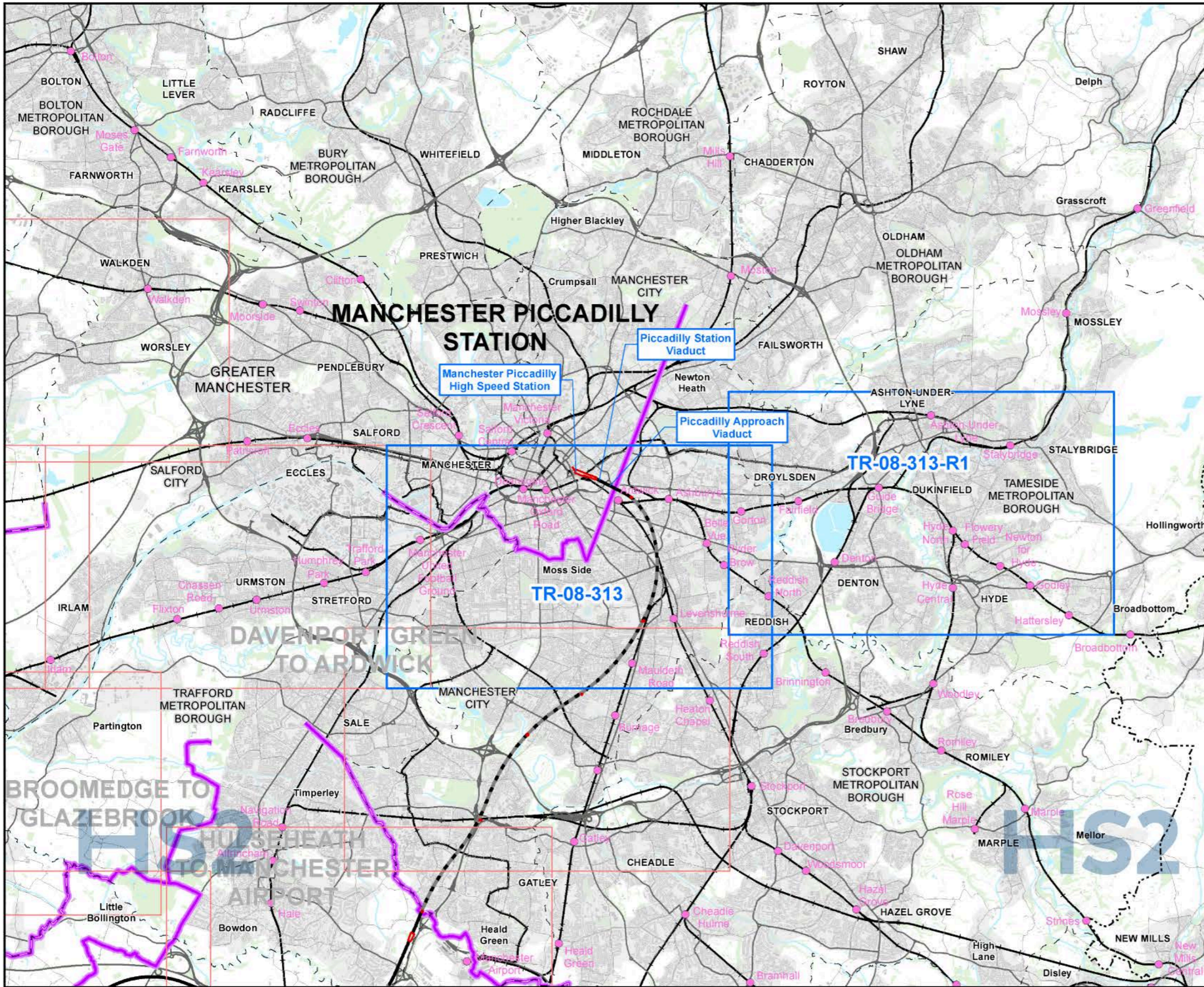
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Map Series Information:

This map series identifies the construction routes to the strategic network for each CA. This shows the construction and site-haul routes from each compound and the through routes for both construction and site-haul. The maps also show the locations of the construction compound.

- Main Map Legend**
- Route in tunnel; Underground Box
 - 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 | TR-08-INDEX-MA08 |
| Map Name | Index Map of: Construction Routes to the Strategic Network SES2 and AP2 ES Community Area MA08: Manchester Piccadilly Station |

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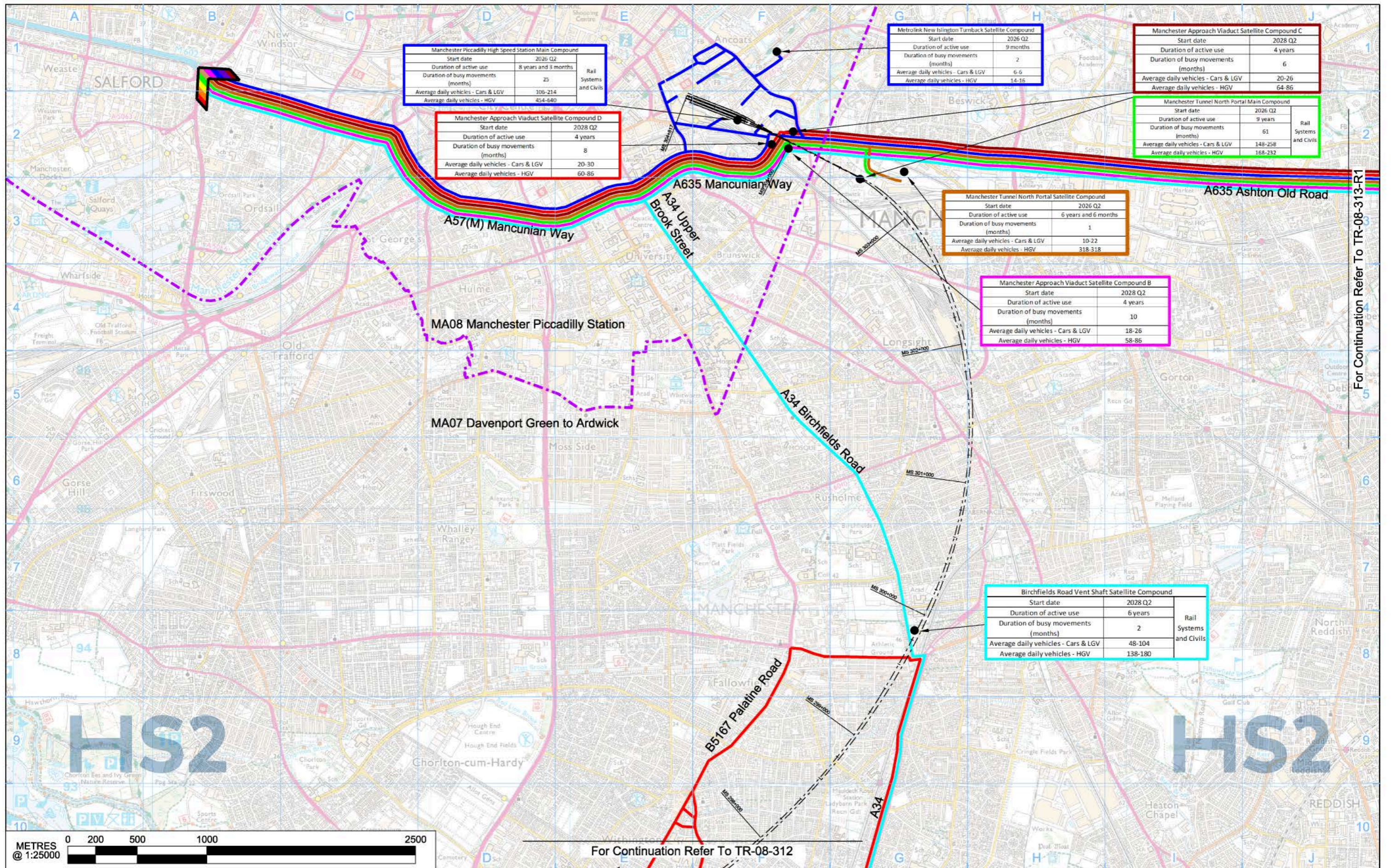
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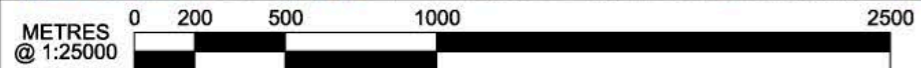
Date: 29/03/23

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



For Continuation Refer To TR-08-313-R1

For Continuation Refer To TR-08-312



- Legend**
- Compound Traffic Routes
 - Site Haul to Compound
 - Through Construction Traffic Routes (To/From Other Scheme Compounds)
 - HS2 Route
 - Onward Construction Routes
 - Community Area boundary
 - Through Site Haul to Compound (To/From Other Scheme Compounds)
 - Movement of Excavated Material
 - Construction Compounds


The compound start dates and estimated duration of active use are based on the Indicative Construction Programme included in the volume 2 Community Area reports.
Traffic figures represent two way trips.

Rail system compounds are shown where they are likely to generate more than 24 HGV movements a day in the peak month (average two-way) or are associated with a construction civil engineering works compound
For TR08 drawing route see 2D301-MWJ-TM-DPL-M002-300000

Map Number
TR-08-313

Map Name
Construction Routes to the Strategic Road Network

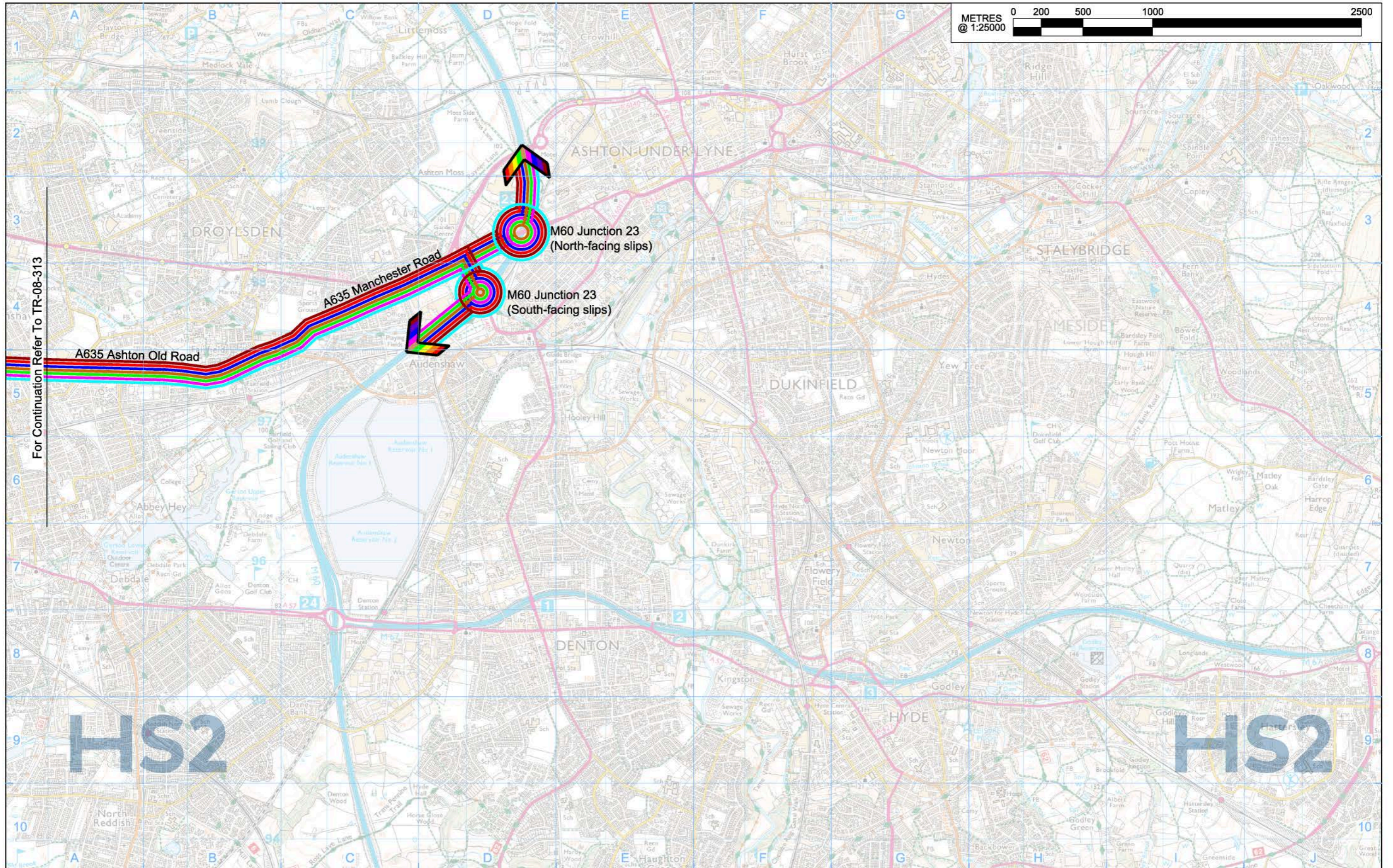
Community Area
MA08 Manchester Piccadilly Station



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For Continuation Refer To TR-08-313



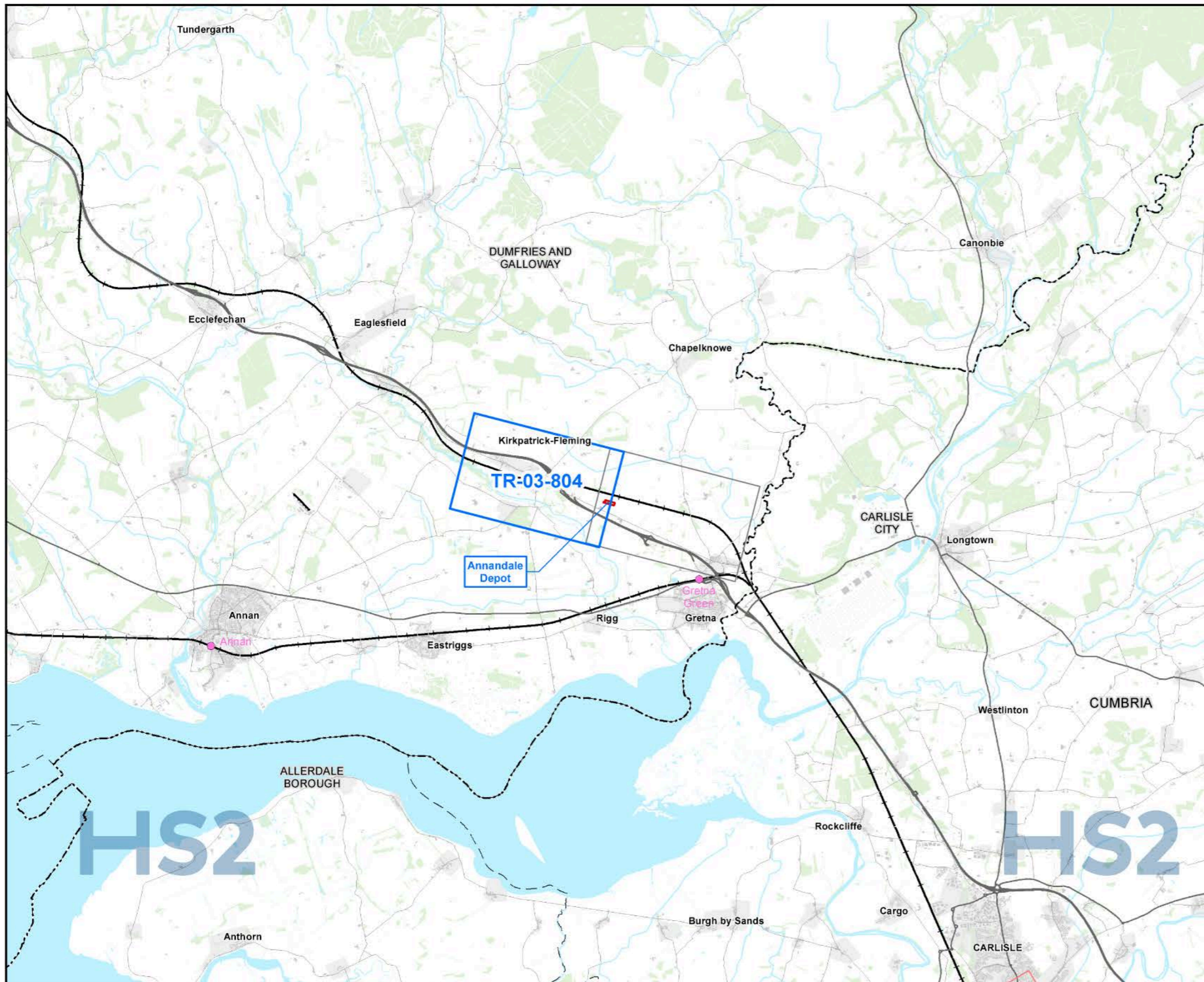
| | | | | |
|--|--|--|--|--|
| <p>Legend</p> <ul style="list-style-type: none"> Compound Traffic Routes Site Haul to Compound Through Construction Traffic Routes (To/From Other Scheme Compounds) HS2 Route Onward Construction Routes Community Area boundary Through Site Haul to Compound (To/From Other Scheme Compounds) Movement of Excavated Material Construction Compounds | | <p>The compound start dates and estimated duration of active use are based on the Indicative Construction Programme included in the volume 2 Community Area reports.</p> <p>Traffic figures represent two way trips.</p> | <p>Map Number TR-08-313-R1</p> <p>Map Name Construction Routes to the Strategic Road Network</p> <p>Community Area MA08 Manchester Piccadilly Station</p> | <p>HS2</p> <p>Registered in England Registration No. 06791886 Registered office 2 Snow Hill, Queensway, Birmingham, B4 6QA</p> <p>© Crown copyright and database rights 2022. Ordnance Survey Licence Number 100049190.</p> <p>Doc Number: 2PT27-MWJ-TM-DPL-M003-313201</p> <p>P01 Date: 17/11/22</p> |
| <p>Rail system compounds are shown where they are likely to generate more than 24 HGV movements a day in the peak month (average two-way) or are associated with a construction civil engineering works compound</p> <p>For TR08 drawing route see 2D301-MWJ-TM-DPL-M002-300000</p> | | | | |

High Speed Rail (Crewe – Manchester)

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

Annandale Depot

TR-03 - Significant Residual Transport Effects Arising during Construction
and Construction Traffic Routes



Map Series Information:

This map series identifies the significant residual transport effects arising from construction of the Proposed Scheme and the construction traffic routes. Traffic routes are the identified routes which Heavy Goods Vehicles (HGVs) will use between compounds and the main A road/ strategic road network within each CA. The effects include those that are temporary (adverse/beneficial) from transport related impacts as a result of the Proposed Scheme on the transport network and the level of significance of those effects (minor, moderate or major).

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 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 | |
| Railway Station | |
| County boundary | |
| District/Borough boundary | |

| | |
|------------|---|
| Map Number | TR-03-INDEX-ADEP |
| Map Name | Index Map of: Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES |
| | Off-route ADEP: Annandale Depot |

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Scale at A3: 1:100,000

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

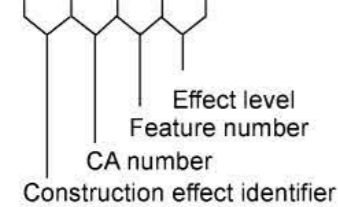
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Doc Number: 2PT27-MWJ-EV-MAP-M000-002187-P01 Date: 03/05/23

Significant effect label:

Significant effect reference:

PT01-01-Mi



Construction effect identifier:

- PT - Public transport delay
- D - Disruption at stations / interchanges
- Tc - Traffic congestion and delays to vehicle occupants
- Td - Traffic diversion
- Ts - Traffic severance - non-motorised users
- P - Parking and loading
- V - Vulnerable road user delays, amenity and ambience
- A - Accidents and safety
- S - Severance
- W - Waterways

Effect level:

- Mi - Minor
- Mo - Moderate
- Ma - Major

Where a significant effect has been changed due to a correction to mapping produced in the main ES or previous SES/AP, the significant effect reference is suffixed with a double asterisk (**). The map now shows the correct effect.

The colour of the border around each significant effect arising from the current SES/AP and the significant effect descriptor denotes whether the effect is added or removed or there is a change to the type (i.e. adverse/beneficial) or level of effect (i.e. major/moderate/minor) in a given forecast year at the current SES/AP.

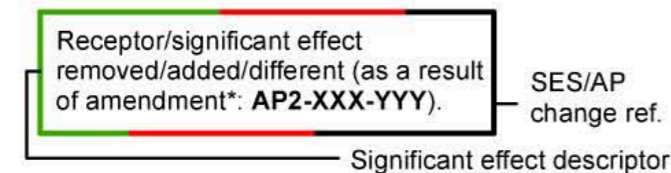
Where the colour of the border is black but the type and level of the significant effect are unchanged from those shown in the MA06-08 and ORW Community Area Map Books in the main ES or the MA01-05 Community Area Map Books in the previous SES/AP, this denotes that the current SES/AP will give rise to a different (increased/decreased) significant effect but will not change the level of significance of the effect.

 Removed effect  Added effect  Different effect

Where there is no colour border around a label with a white background, this denotes a correction to a significant effect that was previously mapped but did not represent a significant effect within the assessment.

Significant effect descriptor:

Where the change in effect is directly attributable to a specific SES/AP change, this is denoted by the following significant effect descriptor:



Where the change in effect is caused by a combination of SES/AP changes, no significant effect descriptor is provided.

Map Number TR-03 - Legend

Map Name TR-03 - Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes - SES2 and AP2 ES

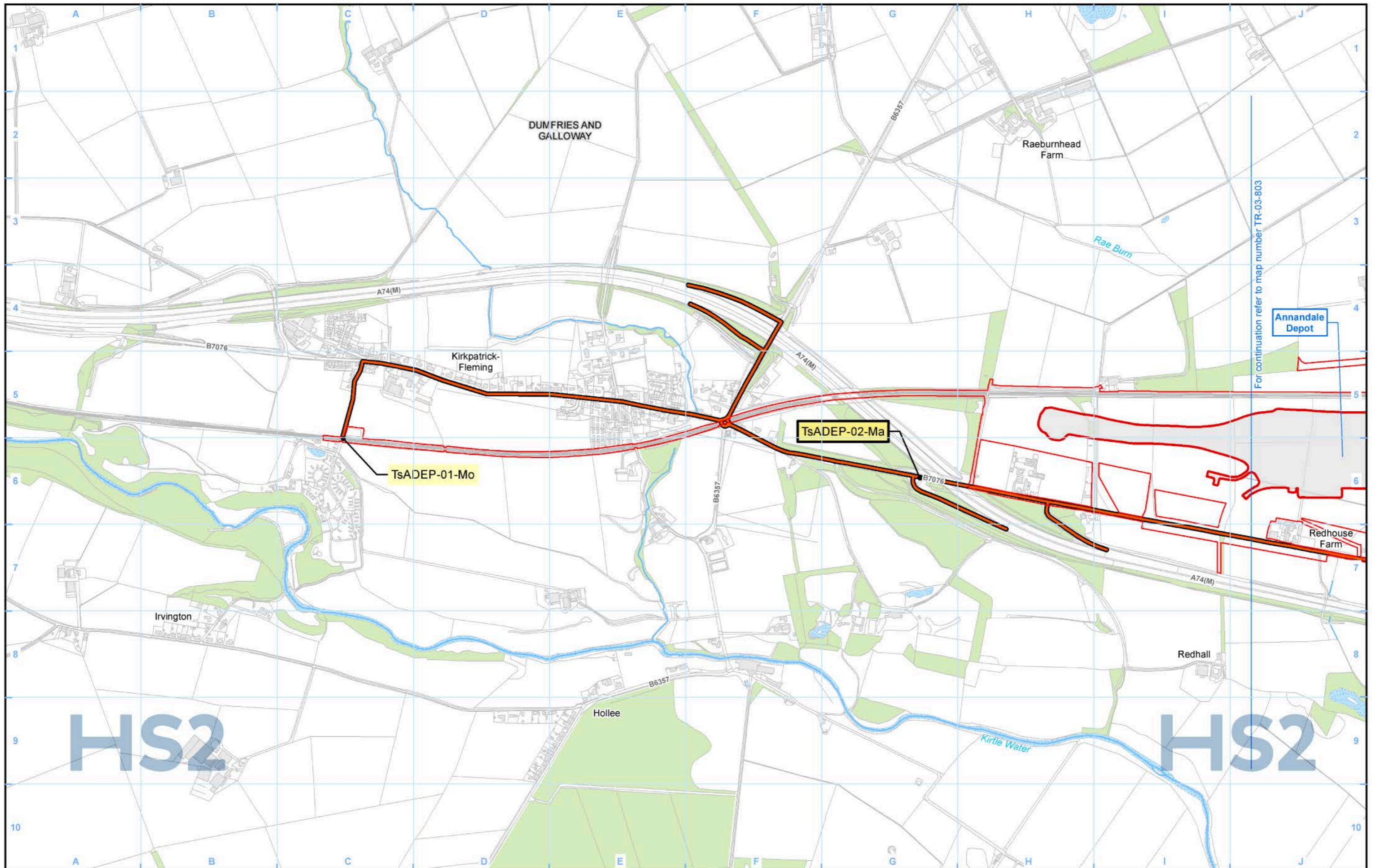
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Doc Number: 2PT27-MWJ-EV-MAP-M000-004135-P01

Date: 03/05/23



For continuation refer to map number TR-03-803

| | | | | | |
|---|--|--|--|--|--|
| Legend <ul style="list-style-type: none"> <li style="width: 50%;"> Route in tunnel <li style="width: 50%;"> Route on surface <li style="width: 50%;"> Watercourse <li style="width: 50%;"> Water body <li style="width: 50%;"> Depot, station, headhouse or portal building <li style="width: 50%;"> Land potentially required during construction <li style="width: 50%;"> Woodland <li style="width: 50%;"> Construction traffic routes <li style="width: 50%;"> County boundary <li style="width: 50%;"> District/Borough boundary | | Construction significant effects arising as a result of the current SES/AP: <ul style="list-style-type: none"> <li style="width: 50%;"> Adverse, permanent <li style="width: 50%;"> Adverse, temporary <li style="width: 50%;"> Beneficial, temporary <li style="width: 50%;"> Beneficial, permanent | | Construction significant effects unchanged as a result of the current SES/AP: <ul style="list-style-type: none"> <li style="width: 50%;"> Adverse, permanent <li style="width: 50%;"> Adverse, temporary <li style="width: 50%;"> Beneficial, temporary <li style="width: 50%;"> Beneficial, permanent | |
| For full legend please refer to TR-03 legend page. | | | | | |
| Map Number TR-03-804 | | | | | |
| Map Name Significant Residual Transport Effects Arising during Construction and Construction Traffic Routes SES2 and AP2 ES | | <small>Registered in England. Registration number 06791686. Registered office: Two Snowhill, Snow Hill, Queensway, Birmingham B4 6QA.</small> <small>© Crown copyright and database rights 2022. OS 100049190.</small> | | | |
| Off-route ADEP: Annandale Depot | | <small>Scale at A3: 1:10,000</small> | | | |
| Doc Number: 2PT27-MWJ-EV-MAP-M000-002684-P01 | | Date: 03/05/23 | | | |