

LONDON-WEST MIDLANDS ENVIRONMENTAL STATEMENT

Volume 2 | Map books

CFA19 | Coleshill Junction

November 2013

ES 3.2.2.19



Department
for Transport

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

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| Map series name | Map series description |
|---|---|
| CT-05 – Construction Phase | These maps show the land potentially required during construction, the construction features, access requirements and infrastructure associated with construction of the Proposed Scheme. The maps also show the construction phase arrangements for public access using Public Rights of Way. The base mapping is reflective of 2013 Ordnance Survey (OS) data. |
| CT-06 – Proposed Scheme | These maps show permanent features, infrastructure, restored land, and areas for landscaping, screening and ecological mitigation associated with the Proposed Scheme. The base mapping is reflective of 2013 Ordnance Survey (OS) data. |
| CT-10 – Environmental Baseline | The Environmental Baseline maps display a range of environmental data layers. |
| LV-01 – Photomontages | Photomontages illustrating the Proposed Scheme during construction and operation. |
| LV-03 – Construction Phase Significantly Affected Viewpoints | Maps showing the viewpoint locations from which the Proposed Scheme has been assessed to give rise to significant effects during the construction phase. |
| LV-04 – Operational Phase Significantly Affected Viewpoints | Maps showing the viewpoint locations from which the Proposed Scheme has been assessed to give rise to significant effects during the operational phase. |
| SV-05 – Operational Airborne Noise and Vibration Impacts and Likely Significant Effects | SV-05 presents the direct operational noise impacts and likely significant effects of the scheme. The SV-05 figure series contains a large amount of information relating to the operational noise and vibration assessment. It is designed to communicate visually the assessment process from the prediction of impacts to the determination of likely residual significant effects. The corresponding text is included in Vol2. |

Mapping explanatory notes

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 London-West Midlands Environmental Statement (ES) contain Ordnance Survey (OS) data. HS2 Ltd uses the most up-to-date mapping available, where possible, supplied by the OS. As such, we cannot be held responsible for any inaccuracies within this data.

As part of our licence conditions, all digital maps carry a watermark.

Chainage

Most of the maps presented as part of the ES have a chainage value shown next to the alignment. Chainage is presented on the maps in black font, in the form of XX+YYY, for example: 77+000.

Chainage (known as reference chainage) is referenced from Euston station, which is 0+000, and the value presented is in metres. For example, 77+000 refers to the point 77,000m, or 77km, from Euston station. Chainage values increase in intervals dependant on the map scale. For maps at 1:50,000, scale chainage is shown at 5km intervals. For maps at 1:25,000, scale chainage is shown at 2km intervals. For maps at 1:10,000, 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 map sets showing the different environmental themes or engineering plans, due to map sets having different scales and therefore showing differing amounts of alignment on the map.

Map orientation

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

The exceptions to this are map series LV-02, LV-03, LV-04, LV-07 and LV-08, which present the alignment running from the bottom to the 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 the West Midlands to the top.

Map books

There are a total of 76 map books in the ES, spread across Volumes 2, 4 and 5. A list of the titles is provided in the table below for reference.

| Name | Name |
|--|---|
| Volume 2 Map Books Community Forum Area: 01 Euston – Station and Approach | Volume 5 Map Books: Ecology – Community Forum Area: 05 Northolt Corridor |
| Volume 2 Map Book s Community Forum Area: 02 Camden Town and HS1 Link | Volume 5 Map Books: Ecology – Community Forum Area: 06 South Ruislip to Ickenham |
| Volume 2 Map Books Community Forum Area: 03 Primrose Hill to Kilburn (Camden) | Volume 5 Map Books: Ecology – Community Forum Area: 07 Colne Valley |
| Volume 2 Map Books Community Forum Area: 04 Kilburn (Brent) to Old Oak Common | Volume 5 Map Books: Ecology – Community Forum Area: 08 The Chalfonts and Amersham |
| Volume 2 Map Books Community Forum Area: 05 Northolt Corridor | Volume 5 Map Books: Ecology – Community Forum Area: 09 Central Chilterns |
| Volume 2 Map Books Community Forum Area: 06 South Ruislip to Ickenham | Volume 5 Map Books: Ecology – Community Forum Area: 10 Dunsmore, Wendover and Halton |
| Volume 2 Map Books Community Forum Area: 07 Colne Valley | Volume 5 Map Books: Ecology – Community Forum Area: 11 Stoke Mandeville and Aylesbury |
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| Volume 2 Map Books Community Forum Area: 11 Stoke Mandeville and Aylesbury | Volume 5 Map Books: Ecology – Community Forum Area: 15 Greatworth to Lower Boddington |
| Volume 2 Map Books Community Forum Area: 12 Waddesdon and Quainton | Volume 5 Map Books: Ecology – Community Forum Area: 16 Ladbroke and Southam |
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| Volume 2 Map Books Community Forum Area: 18 Stoneleigh, Kenilworth and Burton Green | Volume 5 Map Books: Ecology – Community Forum Area: 22 Whittington to Handsacre |
| Volume 2 Map Books Community Forum Area: 19 Coleshill Junction | Volume 5 Map Books: Ecology – Community Forum Area: 23 Balsall Common and Hampton-in-Arden |
| Volume 2 Map Books Community Forum Area: 20 Curdworth to Middleton | Volume 5 Map Books: Ecology – Community Forum Area: 24 Birmingham Interchange and Chelmsley Wood |
| Volume 2 Map Books Community Forum Area: 21 Drayton Bassett, Hints and Weeford | Volume 5 Map Books: Ecology – Community Forum Area: 25 Castle Bromwich and Bromford |
| Volume 2 Map Books Community Forum Area: 22 Whittington to Handsacre | Volume 5 Map Books: Ecology – Community Forum Area: 26 Washwood Heath to Curzon Street |
| Volume 2 Map Books Community Forum Area: 23 Balsall Common and Hampton-in-Arden | Volume 5 Map Books: Land Quality |
| Volume 2 Map Books Community Forum Area: 24 Birmingham Interchange and Chelmsley Wood | Volume 5 Map Books: Landscape and Visual – Euston and London Metropolitan |
| Volume 2 Map Books Community Forum Area: 25 Castle Bromwich and Bromford | Volume 5 Map Books: Landscape and Visual – Country South |
| Volume 2 Map Books Community Forum Area: 26 Washwood Heath to Curzon Street | Volume 5 Map Books: Landscape and Visual – Country North |
| Volume 4 Map Books Off Route Effects | Volume 5 Map Books: Landscape and Visual – West Midlands Metropolitan |
| Volume 5 Map Books: Agriculture, Forestry and Soils | Volume 5 Map Books: Socio-Economic |
| Volume 5 Map Books: Air Quality | Volume 5 Map Books: Sound, Noise and Vibration – Euston and London Metropolitan |
| Volume 5 Map Books: Community | Volume 5 Map Books: Sound, Noise and Vibration – Country South |
| Volume 5 Map Books: Cultural Heritage – Euston and London Metropolitan | Volume 5 Map Books: Sound, Noise and Vibration – Country North |
| Volume 5 Map Books: Cultural Heritage – Country South | Volume 5 Map Books: Sound, Noise and Vibration – West Midlands Metropolitan |
| Volume 5 Map Books: Cultural Heritage – Country North | Volume 5 Map Books: Traffic and Transport |
| Volume 5 Map Books: Cultural Heritage – West Midlands Metropolitan | Volume 5 Map Books: Water Resources – Euston and London Metropolitan |
| Volume 5 Map Books: Ecology – Community Forum Area: 01 Euston - Station and Approach | Volume 5 Map Books: Water Resources – Country South |
| Volume 5 Map Books: Ecology – Community Forum Area: 02 Camden Town and HS1 Link | Volume 5 Map Books: Water Resources – Country North |
| Volume 5 Map Books: Ecology – Community Forum Area: 03 Primrose Hill to Kilburn (Camden) | Volume 5 Map Books: Water Resources – West Midlands Metropolitan |
| Volume 5 Map Books: Ecology – Community Forum Area: 04 Kilburn (Brent) to Old Oak Common | Volume 5 Map Books: Cross Topic Appendix 1: Committed Developments |

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LONDON-WEST MIDLANDS ENVIRONMENTAL STATEMENT

Data dictionary and definitions

Data dictionary and definitions

| Legend features | Definition | Source | Copyright |
|---------------------------|--|--------------------------|---|
| 5m contours | A contour line showing points of equal elevation (height) above a reference level, such as mean sea level, and therefore giving an indication of the topography, showing valleys and hills, and the steepness of slopes. Spaced at intervals of 5m. | High Speed Two (HS2) Ltd | |
| Airborne sound study area | This defines the area within which operational airborne sound impacts of the scheme have been quantitatively assessed. This area is defined as within 1km of surface sections of the route in rural areas and within 500m of surface sections of the route in urban areas. | High Speed Two (HS2) Ltd | |
| Ancient Woodland | Ancient Woodland Inventory. Ancient Woodland is land that has had continuous woodland cover since at least AD1600. | Natural England | © Natural England copyright 2013 Contains Ordnance Survey data © Crown copyright and database right 2013. All rights reserved. Ordnance Survey Licence number 100022021. http://www.naturalengland.org.uk/Images/open-government-licence-NE-OS_tcm6-30743.pdf |
| Balancing pond | The proposed location and extent of balancing ponds for drainage attenuation and infiltration. Outer boundary represents the perimeter. | High Speed Two (HS2) Ltd | |
| Chainage | <p>Chainage (known as reference chainage) is referenced from Euston Station, which is 0+000, and the value presented is in metres. E.g. 77+000 refers to the point, 77,000m, or 77km, from Euston Station. Chainage values increase in intervals dependant on the map scale. For maps at 1:50,000 scale chainage is shown at 5km intervals. For maps at 1:25,000 scale, chainage is shown at 2km intervals. For maps at 1:10,000, 1:5,000 and 1:2,500 scale, chainage is shown at 1km intervals.</p> <p>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.</p> | High Speed Two (HS2) Ltd | |
| Committed developments | <p>This informs the assessment of the future baseline.</p> <p>Committed consents are unimplemented but committed developments or Local Plan development allocations that are likely to be largely built out prior to commencement of the Proposed Scheme.</p> <p>Cumulative development is unimplemented but committed developments or Local Plan development allocations that are likely to be largely built out during implementation of the Proposed Scheme and give rise to potential cumulative effects, when considered alongside the Proposed Scheme.</p> | High Speed Two (HS2) Ltd | © Crown Copyright and database rights 2013 Ordnance Survey Licence Number 100049190. |

| Legend features | Definition | Source | Copyright |
|--|---|--------------------------|--|
| Community Forum boundary | The Environmental Statement has been split into 26 sections called Community Forum Areas. | High Speed Two (HS2) Ltd | © Crown Copyright and database rights 2013 Ordnance Survey Licence Number 100049190. |
| Conservation area | Areas considered worthy of preservation or enhancement because of their special architectural or historic interest. Conservation Areas have been captured and digitised from desktop based studies using publically available local authority information. Accuracy of the data is dependent upon that of the individual data source and areas are provided as indicative site boundaries only. | Local Authorities | © Crown Copyright and database rights 2013 Ordnance Survey Licence Number 100049190. |
| Construction compounds | See main construction compounds. | High Speed Two (HS2) Ltd | |
| Construction traffic route | 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 and database rights 2013 Ordnance Survey Licence Number 100049190. |
| Depot, station, headhouse or portal building | Extends to cover operational footprint of each depot and station and the footprint of each tunnel vent shaft and headhouse at surface level. Excludes any ancillary buildings associated with these structures. | High Speed Two (HS2) Ltd | |
| District/Borough boundary | Ordnance Survey local authority boundary mapping. | Ordnance Survey | © Crown Copyright and database rights 2013 Ordnance Survey Licence Number 100049190. |
| Ditches – new | The proposed location and extent of drainage ditches. | High Speed Two (HS2) Ltd | |
| Ecological mitigation pond | Ponds whose primary function is to provide ecological mitigation. This could be a standalone pond or part of a wider wetland habitat creation plan. | High Speed Two (HS2) Ltd | |
| Electricity substation | Includes all auto-transformers and feeder stations. | High Speed Two (HS2) Ltd | |
| Engineering earthworks | Engineering (structural) earthworks which include railway slopes and crossings (roads etc). | High Speed Two (HS2) Ltd | |
| Engineering earthworks: cutting | Cuttings created in the construction of the railway and associated works such as highways. | High Speed Two (HS2) Ltd | |
| Engineering earthworks: embankment | Embankments created in the construction of the railway and associated works such as highways. | High Speed Two (HS2) Ltd | |
| Envisaged mitigation to avoid/reduce significant noise effects | <p>Landscaping and/or fence barriers: These lines represent the envisaged mitigation provided specifically to reduce sound levels from the Proposed Scheme at sensitive receptors in order to reduce or remove likely operational significant noise effects. Examples include noise fence barriers or earth bunds (non-engineering earthworks) acting as noise barriers. These features are labelled with the height of the top of the barrier/bund above rail level.</p> <p>Engineering e.g. cuttings (green tunnels marked separately): These lines represent engineering features of the route which reduce sound levels from the Proposed Scheme at potentially significant sensitive receptors. These features, therefore, serve a material purpose in reducing or avoiding likely significant noise effects. Examples include engineering cuttings near to sensitive receptors. These features are labelled with the height of the top of the feature above rail level.</p> | High Speed Two (HS2) Ltd | |
| Envisaged mitigation further reducing noise effects | Other environmental features e.g. landscaping: These lines represent environmental mitigation features provided for reasons | High Speed Two (HS2) Ltd | |

| Legend features | Definition | Source | Copyright |
|--|--|---------------------------|---------------------------|
| | <p>other than noise mitigation which also reduce sound levels from the Proposed Scheme to the surrounding environment. These features are not placed specifically to reduce or remove a likely significant noise effect. Examples include landscaping and visual mitigation earthworks (non-engineering earthworks).</p> <p>Engineering e.g. cuttings: These lines represent engineering features which reduce sound levels from the Proposed Scheme to the surrounding environment but are not placed specifically to reduce or remove a likely significant noise effect. Examples include cuttings and safety barriers on viaducts which are not close to sensitive receptors.</p> | | |
| Existing public right of way (PRoW) | See Public Rights of Way. | See Public Rights of Way. | See Public Rights of Way. |
| Existing watercourse | See Watercourse. | See Watercourse. | See Watercourse. |
| Existing woodland and tree belts | A dataset showing large areas of trees that are likely to have an impact on whether the scheme is visible during construction and vegetation. It was used in the ZTV as part of the base models. | High Speed Two (HS2) Ltd | |
| Grassed areas | Any other area grassed not included in landscaped earthworks or ecological habitat. | High Speed Two (HS2) Ltd | |
| Grassland habitat creation | Soft landscape design that can include any seeded areas for the purpose of creating grassland except for the engineering earthworks. | High Speed Two (HS2) Ltd | |
| Ground-borne sound & vibration study area (highly sensitive non-residential) | This defines the area within which direct operational ground-borne sound and vibration impacts of the scheme at highly sensitive non-residential receptors have been quantitatively assessed. This area is defined as within 200m of the route. | High Speed Two (HS2) Ltd | |
| Ground-borne sound & vibration study area (residential and non-residential) | This defines the area within which direct operational ground-borne sound and vibration impacts of the scheme at residential and non-residential receptors have been quantitatively assessed. This area is defined as within 85m of the route. | High Speed Two (HS2) Ltd | |
| Hedgerow habitat creation | Ecological mitigation to provide new hedgerow planting, connectivity enhancements to existing areas and areas for ecological management. This level does not include screening planting for visual mitigation purposes. | High Speed Two (HS2) Ltd | |
| HS2 access road | Access road to HS2 infrastructure such as electricity substations, balancing ponds and maintenance access points to the railway. | High Speed Two (HS2) Ltd | |
| Land drainage area | Provision of land to attenuate or infiltrate overland flows at or beyond the HS2 railway boundaries; for example, where existing land drainage systems are altered by the HS2 works, where the existing landform is reshaped by landscape earthworks or where surface water from third party land is intercepted by the HS2 perimeter drainage system. | 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 | |

| Legend features | Definition | Source | Copyright |
|--|---|--------------------------|---|
| Landscape earthworks | Landscape earthworks to provide permanent landscape, visual or acoustic mitigation. | High Speed Two (HS2) Ltd | |
| Landscape mitigation planting (scrub / woodland) | Screening planting, using woodland, for visual mitigation and landscape integration purposes. | High Speed Two (HS2) Ltd | |
| Listed building Grade I | Buildings and structures in England of special architectural or historic interest. In some instances the source data for individual buildings is grouped under a single grid reference; in these instances the data may have been interrogated further to identify addresses of individual buildings with Listed Building status so that these can be displayed individually on the map. The Listed Building data consists of approximately 375,000 standing structures. The information has been converted from paper records georeferenced to digital mapping. A small percentage of the data was manually located. The data is subject to continuous review and regularly updated as new structures are designated and positional accuracy improves. | English Heritage | Contains, or is based upon, English Heritage's National Heritage List for England data © English Heritage. |
| Listed building Grade II* | Buildings and structures in England of special architectural or historic interest. In some instances the source data for individual buildings is grouped under a single grid reference; in these instances the data may have been interrogated further to identify addresses of individual buildings with Listed Building status so that these can be displayed individually on the map. The Listed Building data consists of approximately 375,000 standing structures. The information has been converted from paper records georeferenced to digital mapping. A small percentage of the data was manually located. The data is subject to continuous review and regularly updated as new structures are designated and positional accuracy improves. | English Heritage | Contains, or is based upon, English Heritage's National Heritage List for England data © English Heritage. |
| Listed building Grade II | Buildings and structures in England of special architectural or historic interest. In some instances the source data for individual buildings is grouped under a single grid reference; in these instances the data may have been interrogated further to identify addresses of individual buildings with Listed Building status so that these can be displayed individually on the map. The Listed Building data consists of approximately 375,000 standing structures. The information has been converted from paper records georeferenced to digital mapping. A small percentage of the data was manually located. The data is subject to continuous review and regularly updated as new structures are designated and positional accuracy improves. | English Heritage | Contains, or is based upon, English Heritage's National Heritage List for England data © English Heritage. |
| Local Nature Reserve (LNR) | An LNR is a statutory designation made under Section 21 of the National Parks and Access to the Countryside Act 1949 by principal local authorities. Data supplied has the status of Declared. The boundaries are interpreted from material gathered from the local authorities and does not currently cover all LNRs. This national dataset is indicative not definitive. Definitive information can only be provided by individual local authorities and you should refer directly to their information for all purposes that require the most up to date and complete dataset. | Natural England | © Natural England copyright 2013 Contains Ordnance Survey data © Crown copyright and database right 2013. All rights reserved. Ordnance Survey Licence number 100022021. http://www.naturalengland.org.uk/Images/open-government-licence-NE-OS_tcm6-30743.pdf |

| Legend features | Definition | Source | Copyright |
|---|---|--|---|
| Local Wildlife Site (LWS) - county/metropolitan value | | | Data supplied by Ecorecord, Warwickshire BRC & Birmingham use (© Crown Copyright and database rights 2013 Ordnance Survey Licence Number 100049190.) |
| | | Supplied by Ecorecord, Warwickshire County Council, Birmingham Council | Map derived from GiGL data 2013 (where a map shows information derived from GiGL data).This data incorporates biodiversity data supplied to HS2 by Northamptonshire Biodiversity Records Centre and The Wildlife Trust for Bedfordshire, Cambridgeshire and Northamptonshire (Wildlife Trust BCN), and is copyright to Wildlife Trust BCN and/or its partners. |
| | | Greenspace Information for Greater London (GiGL) | |
| | Local Wildlife Sites (LWS) are identified and selected for their local nature conservation value. They protect threatened species and habitats acting as buffers, stepping stones and corridors between nationally-designated wildlife sites. | Northamptonshire County Council | This map is based upon Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office © Crown Copyright. Unauthorised reproduction infringes Crown Copyright and may lead to prosecution or civil proceedings. Buckinghamshire County Council Licence No. 100021529, 2012. |
| | | Buckinghamshire County Council | Incorporates biodiversity data supplied by Thames Valley Environmental Records Centre (TVERC). This data are copyright to TVERC and/or its partners. |
| | Local Wildlife Sites (LWS) are local non-statutory nature conservation sites. They were formerly referred to as County Wildlife Sites. | | Incorporates biodiversity data supplied to High Speed Two (HS2) by Hertfordshire Biological Records Centre and is copyright to Hertfordshire County Council, Hertfordshire Biological Records Centre and/or its partners. |
| | In some cases Local Wildlife data is not shown as this is still being verified. | Thames Valley Ecological Records Centre c/o Oxfordshire County Council (TVERC) | |
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| | | Staffordshire Ecological Record (SER) | |

| Legend features | Definition | Source | Copyright |
|---|---|---|---|
| | | | access. |
| Local Wildlife Site (LWS) - less than county/metropolitan value | | Supplied by Ecorecord, Warwickshire County Council, Birmingham Council. Greenspace Information for Greater London (GiGL) | Data supplied by Ecorecord, Warwickshire BRC & Birmingham use (© Crown Copyright and database rights 2013 Ordnance Survey Licence Number 100049190.) Map derived from GiGL data 2013 (where a map shows information derived from GiGL data). |
| | Local Wildlife Sites (LWS) are identified and selected for their local nature conservation value. They protect threatened species and habitats acting as buffers, stepping stones and corridors between nationally-designated wildlife sites. | Northamptonshire County Council | This data incorporates biodiversity data supplied to HS2 by Northamptonshire Biodiversity Records Centre and The Wildlife Trust for Bedfordshire, Cambridgeshire and Northamptonshire (Wildlife Trust BCN), and is copyright to Wildlife Trust BCN and/or its partners. |
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| | In some cases Local Wildlife data is not shown as this is still being verified. | Thames Valley Ecological Records Centre c/o Oxfordshire County Council (TVERC) | Incorporates biodiversity data supplied by Thames Valley Environmental Records Centre (TVERC). This data are copyright to TVERC and/or its partners. |
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| Legend features | Definition | Source | Copyright |
|---|--|---|---|
| | | | omissions. The presence of a marked boundary within SER information does not imply any rights of public access. |
| Main construction compound | Construction compounds in which main contractors offices and welfare facilities will be located. | High Speed Two (HS2) Ltd | |
| Main utility works | Represents all new major utility installations (included in the hybrid Bill) and also modifications to existing utilities required to construct the scheme. Includes water, electricity, telecommunications and gas. | High Speed Two (HS2) Ltd | |
| Minor ground-borne noise or vibration impact | Buildings at which a minor operational ground-borne sound or vibration impact is predicted from the Proposed Scheme. | High Speed Two (HS2) Ltd | |
| National Nature Reserve (NNR) | A National Nature Reserve (NNR) is the land declared under the National Parks and Access to the Countryside Act 1949 or Wildlife and Countryside Act (1981) as amended. | Natural England | © Natural England copyright 2013 Contains Ordnance Survey data © Crown copyright and database right 2013. All rights reserved. Ordnance Survey Licence number 100022021. http://www.naturalengland.org.uk/Images/open-government-licence-NE-OS_tcm6-30743.pdf |
| New, diverted or realigned PRoW | New, realigned or diverted Public Rights of Way (PRoW). | High Speed Two (HS2) Ltd | |
| Noise fence barrier | Denotes fence-style barriers provided as part of the noise mitigation measures. Note that other noise barriers have also been included in the form of landscaping and engineering cuttings - see the SV map series for more detail on noise mitigation. | High Speed Two (HS2) Ltd | |
| Non-engineering earthworks: cutting | Cuttings created in the construction of landscape features and mitigation measures. | High Speed Two (HS2) Ltd | |
| Non-engineering earthworks: embankment | Embankments created in the construction of landscape features and mitigation measures. | High Speed Two (HS2) Ltd | |
| Operational airborne sound impacts at buildings | The buildings shown on SV-02 and SV-05 are colour-coded according to the magnitude of the predicted noise impacts of the Proposed Scheme. Noise impacts are calculated by comparing the sound levels predicted if the Proposed Scheme did not go ahead with those if it did (details of this process can be found in Volume 5: Appendix SV001-000). Panel B on SV-02/SV-05 contains a key showing the colours used with the corresponding impact categories. The impacts presented are the greatest (i.e. worst-case) of the impacts predicted for daytime and night-time. | High Speed Two (HS2) Ltd | |
| Photomontage location | Shows the locations from which verifiable photomontages have been produced. The locations are based on a fully surveyed point. | High Speed Two (HS2) Ltd | |
| Proposed tree planting | A dataset showing proposed planting that may have an impact on whether the scheme is visible during construction and operation. It was used in the operation year 15 ZTV. | High Speed Two (HS2) Ltd | |
| Public realm | Specifically provided to show areas to be used for public realm. This layer is mainly associated with station sites and is to be used to indicate general areas for designed soft and hard landscaping. | High Speed Two (HS2) Ltd | |
| Public Rights of Way | Public rights of way are highways which can be used for the following purposes: | Buckinghamshire County Council Birmingham City Council | © Crown Copyright and database rights 2013 Ordnance Survey Licence Number 100049190. |

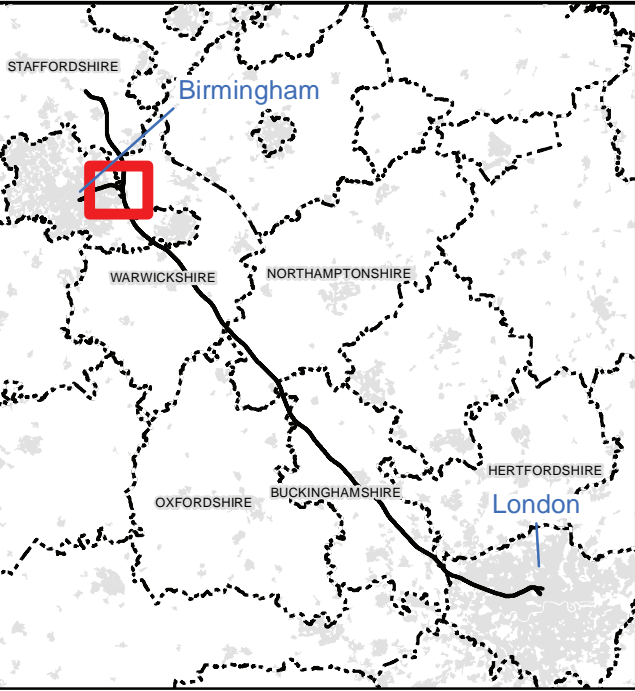
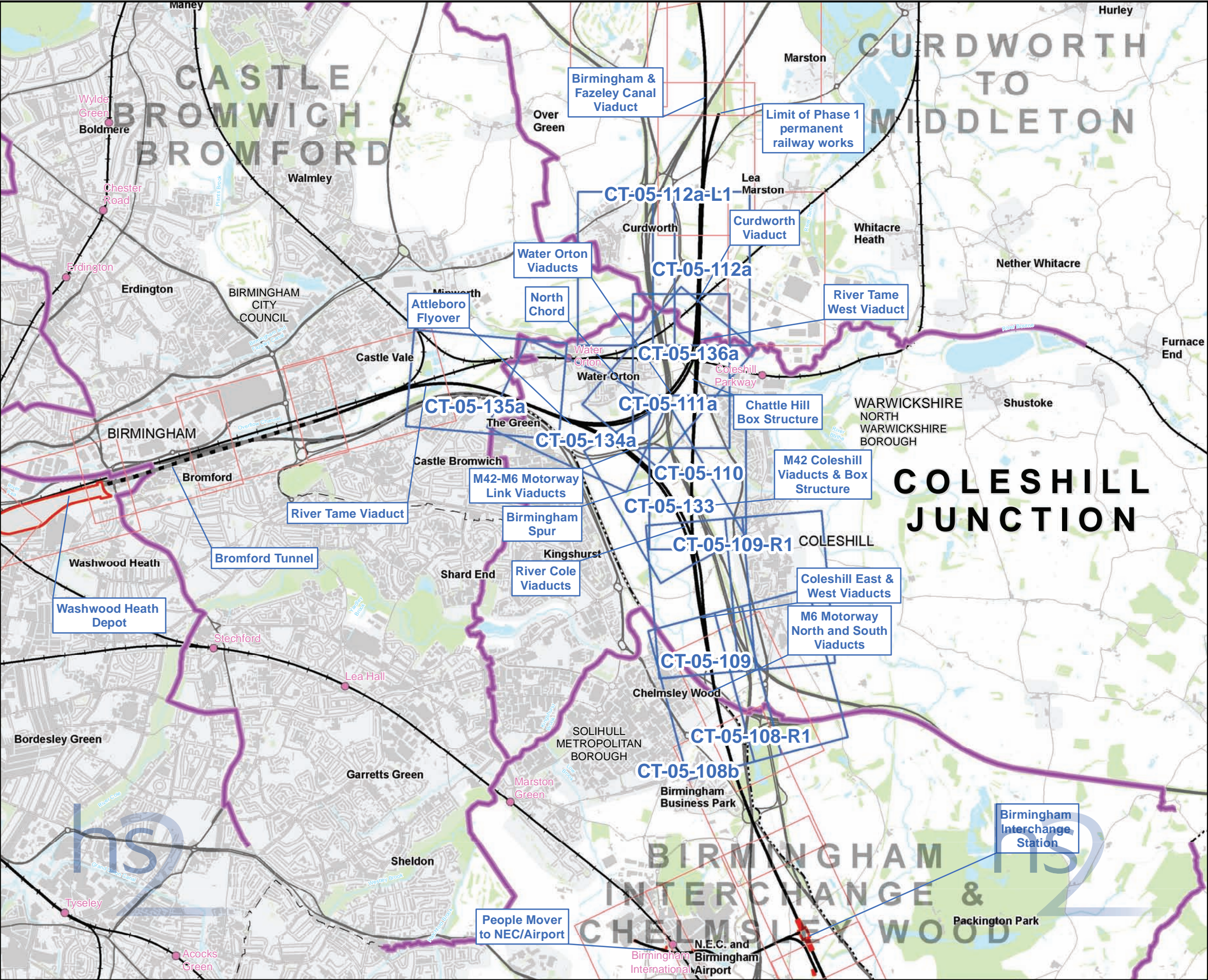
| Legend features | Definition | Source | Copyright |
|--------------------------------------|--|---|---|
| | <ul style="list-style-type: none">- Footpaths - pedestrians only- Bridleways - pedestrians, cyclists and equestrians- Restricted byways - as bridleways plus non-motorised vehicles- Byways open to all traffic. Definitive Map data supplied by surveying authorities (i.e. county councils, London Boroughs and metropolitan borough councils in the West Midlands). | Coventry City Council City of Westminster Hertfordshire County Council London Borough of Brent London Borough of Camden London Borough of Ealing London Borough of Hammersmith & Fulham London Borough of Hillingdon Northamptonshire County Council Oxfordshire County Council Royal Borough of Kensington & Chelsea Solihull Metropolitan Borough Council Staffordshire County Council Warwickshire County Council | <p>This map is based upon Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office © Crown Copyright. Unauthorised reproduction infringes Crown Copyright and may lead to prosecution or civil proceedings. Buckinghamshire County Council Licence No. 100021529, 2012. Copyright Buckinghamshire County Council.</p> <p>© Copyright Coventry City Council</p> <p>© Northamptonshire County Council</p> |
| Rail alignment | Longitudinal geometry of the tracks consisting of a series of straights and curves. | High Speed Two (HS2) Ltd | |
| Rail alignment formation | The space required to accommodate the railway infrastructure which typically includes the tracks, overhead line equipment, drainage, line-side access paths and cable routes for electrification and communication systems. | High Speed Two (HS2) Ltd | |
| Registered Park or Garden | <p>Parks and Gardens of special historic interest.</p> <p>Supplied by English Heritage. Of the 1,590 Registered Parks and Gardens, over 91% were captured against the 1:10,000 Ordnance Survey Raster product. 135 records are potentially subject to movement under Positional Accuracy Improvement (PAI).</p> | High Speed Two (HS2) Ltd | Contains, or is based upon, English Heritage's National Heritage List for England data © English Heritage. |
| Replacement floodplain storage | Provision of storage to replace floodplain occupied by the Proposed Scheme. Equivalent storage is provided for events up to the 1 in 100 (1%) annual probability event with an allowance for climate change. | High Speed Two (HS2) Ltd | |
| Returned to suitable development use | Post construction, land will be reinstated to enable potential future development. | High Speed Two (HS2) Ltd | |
| Route in tunnel Route on surface | Represents the proposed route of HS2, split into route on surface and tunnelled sections. | High Speed Two (HS2) Ltd | |
| Satellite construction compound | Represents satellite construction compounds which serve local works for major construction elements within a main contract. | High Speed Two (HS2) Ltd | |
| Scheduled Monument | A schedule has been kept since 1882 of monuments considered to be of national importance by the government. The current legislation, the Ancient Monuments and Archaeological Areas Act 1979, supports a formal system of Scheduled Monument Consent for any work to a designated monument. The Scheduled Monument layer consists of approximately 22,380 monuments tied into the Ordnance Survey. The majority of these are fixed; however, a small number of records may be updated as digital positional accuracy improves. The data is subject to continuous review and regularly updated as new monuments are designated. | English Heritage | Contains, or is based upon, English Heritage's National Heritage List for England data © English Heritage. |
| Significantly affected viewpoint | This dataset shows the locations of the visual receptors from which the scheme's visual impact has been assessed and shows | High Speed Two (HS2) Ltd | |

| Legend features | Definition | Source | Copyright |
|--|---|--------------------------|---|
| | whether or not the impact is significant or non-significant during construction and operation. | | |
| Site of Special Scientific Interest (SSSI) | A Site of Special Scientific Interest (SSSI) is the land notified as an SSSI under the Wildlife and Countryside Act (1981), as amended. | Natural England | © Natural England copyright 2013 Contains Ordnance Survey data © Crown copyright and database right 2013. All rights reserved. Ordnance Survey Licence number 100022021. http://www.naturalengland.org.uk/Images/open-government-licence-NE-OS_tcm6-30743.pdf |
| Stopped-up PRoW | Public right of way that will be closed due to construction of the scheme. | High Speed Two (HS2) Ltd | |
| Sustainable placement | The on-site placement for disposal of surplus excavated material to avoid causing environmental effects (e.g. transport) that would otherwise be associated with the off-site disposal of that material. 'On-site' in this context means within the land required for the purposes of the Proposed Scheme and 'off-site' means external land (or landfill site) which is not specifically required for the purposes of the Proposed Scheme. | High Speed Two (HS2) Ltd | |
| Temporary highway diversion / realignment | Indicative temporary highway diversion layouts during the construction phase. | High Speed Two (HS2) Ltd | |
| Temporary material stockpile | Represents temporary stockpiling of topsoil, subsoil and other excavated materials to be used for reinstatement purposes, and also stockpile areas for managing movement of excavated materials during construction. | High Speed Two (HS2) Ltd | |
| Temporary PRoW diversions/ realignments | Indicative temporary diversions to public rights of way as a result of construction of the scheme. These will vary depending on construction phase and local conditions. | High Speed Two (HS2) Ltd | |
| Tunnel portal | The footprint of a tunnel portal. | High Speed Two (HS2) Ltd | |
| Tunnel's external extent | The external excavated extent of each tunnel bore. | High Speed Two (HS2) Ltd | |
| Water body | Based on Ordnance Survey Vector Map District. | Ordnance Survey | © Crown Copyright and database rights 2013 Ordnance Survey Licence Number 100049190. |
| Watercourse | The Detailed River Network (DRN) is the only large-scale, accurate and fully attributed digital river centreline covering England and Wales. | Environment Agency | Contains Environment Agency information © Environment Agency and database right. |
| Watercourse diversion | Includes rivers, streams, ditches and other open channels, diversions to these, together with any new culverts required. | High Speed Two (HS2) Ltd | |
| Wetland habitat creation | Ecological mitigation area to provide new wetland habitat creation, enhancements to existing areas and areas for ecological management. This level does not include screening planting for visual mitigation purposes. | High Speed Two (HS2) Ltd | |
| Woodland | Woodland areas derived from Ordnance Survey mastermap data. | Ordnance Survey | © Crown Copyright and database rights 2013 Ordnance Survey Licence Number 100049190. |
| Woodland habitat creation | Ecological mitigation area to provide new woodland planting, connectivity enhancements to existing areas and areas for ecological management. This level does not include screening planting for visual mitigation purposes. | High Speed Two (HS2) Ltd | |

LONDON-WEST MIDLANDS ENVIRONMENTAL STATEMENT

CT-05 – Construction Phase

CT-06 – Proposed Scheme



Map Series Information:

These plans show the land potentially required during construction, the construction features, access requirements and infrastructure associated with construction of the Proposed Scheme. The plans also show the construction phase arrangements for public access using Public Rights of Way.

The base mapping shown on the plans is reflective of 2013 Ordnance Survey (OS) data.

Main Map Legend

Route in tunnel

Route on surface

Depot, station, headhouse or portal building

Community forum boundary

County boundary

District/Borough boundary

Map sheets included in this community forum

Map sheets not included in this community forum

Map Number

CT-05-INDEX-CFA19

Map Name

Index Map of:
Construction Phase

Community Forum Area CFA19:

Coleshill Junction

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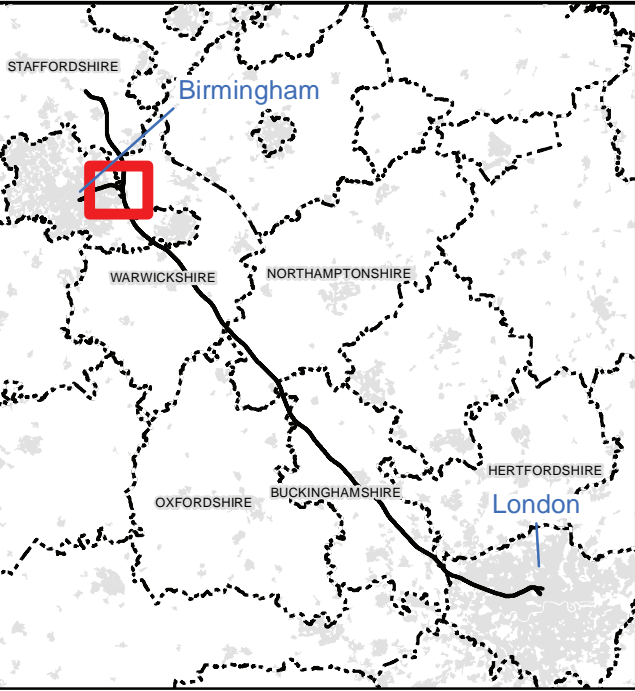
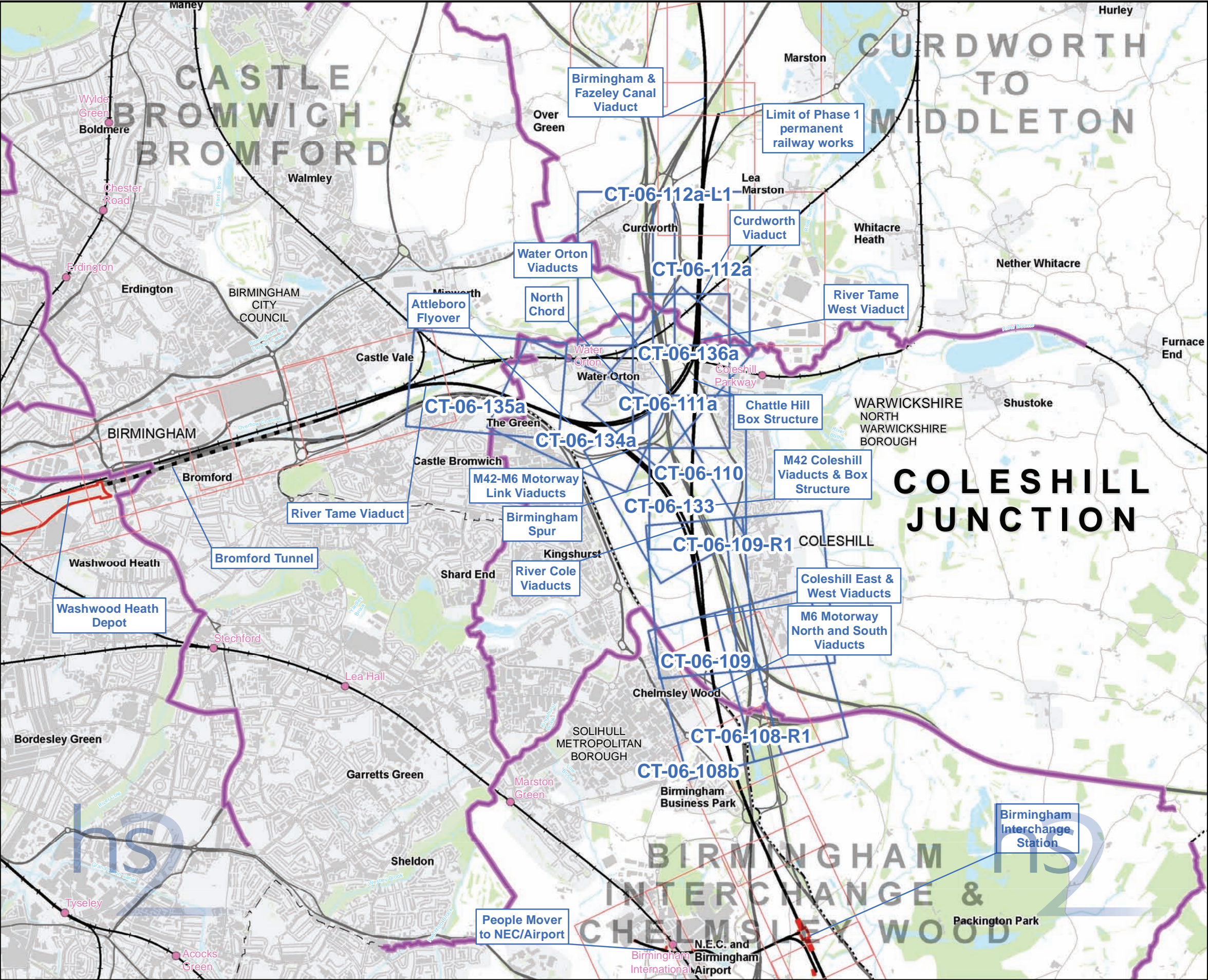
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0 500 1,000 1,500 2,000
Metres

Doc Number: C250-ARP-EV-MAP-000-004205--P05.00

Date: 31/10/13



Map Series Information:

These maps show permanent features, infrastructure, restored land, and areas for landscaping, screening and ecological mitigation associated with the Proposed Scheme.

The base mapping is reflective of 2013 Ordnance Survey (OS) data.

Main Map Legend

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

- Map sheets included in this community forum
- Map sheets not included in this community forum

Map Number

CT-06-INDEX-CFA19

Map Name

Index Map of:
Proposed Scheme

Community Forum Area CFA19:
Coleshill Junction

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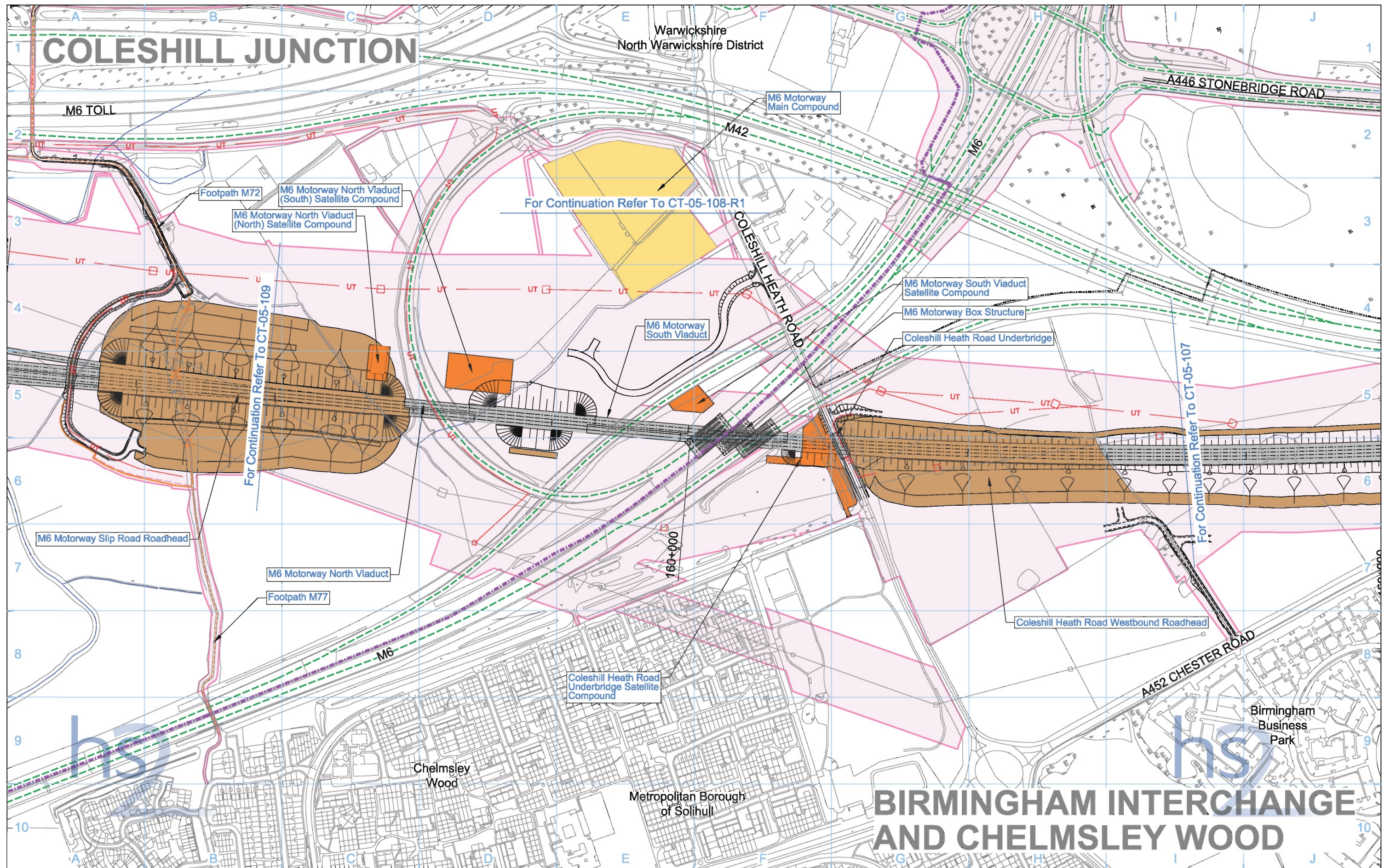
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Date: 31/10/13



| Legend | | | |
|--|---|---------------------------------|---|
| Depot, station, headhouse or portal building | Landscape earthworks | Community forum boundary | Stopped-up PRoW |
| Tunnel portal | Engineering earthworks | Existing watercourse | Temporary PRoW diversion / realignment |
| Main construction compound | County boundary | Tunnels external extent | Temporary highway diversion / realignment |
| Satellite construction compound | Borough / District boundary | Construction traffic route | Existing public right of way (PRoW) |
| Temporary material stockpile | Land potentially required during construction | New, diverted or realigned PRoW | Main utility works |

| Map Information | |
|----------------------|-----------------------------|
| Map Number | CT-05-108 |
| Map Name | Construction Phase |
| Community Forum Area | CFA19 Chelmsley Junction |

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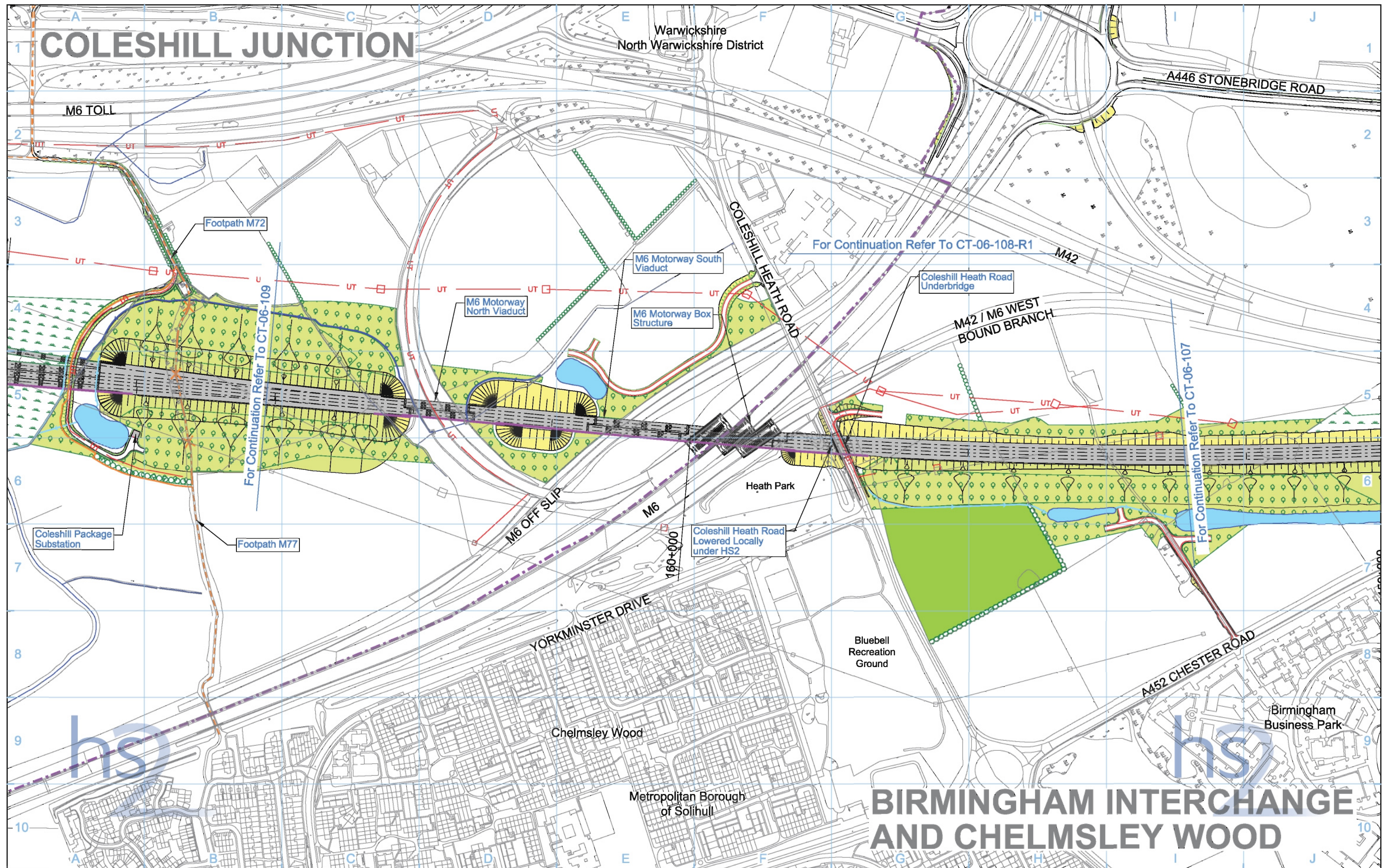
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


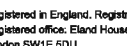








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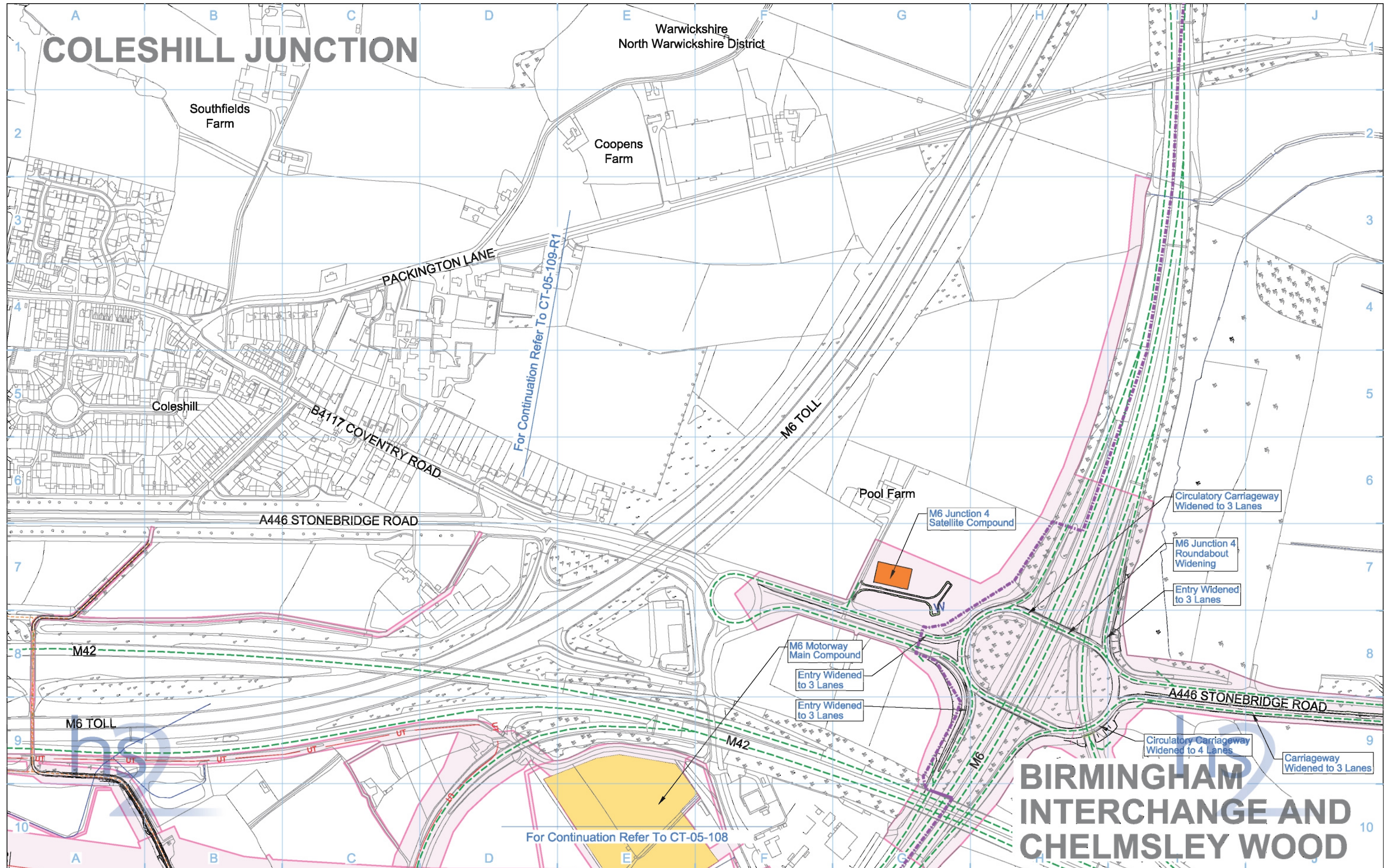
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|--|--|--|---|--|
| Legend | | Map Number CT-06-108 | |  HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way. |
| Map Name Proposed Scheme | | | | |
|  Depot, station, headhouse or portal building |  Replacement floodplain storage |  Public realm |  Stopped-up PRoW |  Scale at A3: 1:5,000 0 50 100 150 200 250 Metres |
|  Tunnel portal |  Woodland habitat creation |  Engineering earthworks |  Tunnels external extent | |
|  Electricity substation |  Wetland habitat creation |  Landscape earthworks |  Rail alignment |  Registered in England. Registration number 06791688 Registered office: Eland House, Bressenden Place, London SW1E 6DU |
|  Land drainage area |  Grassland habitat creation |  Rail alignment formation |  HS2 Access road | |
|  Ecological mitigation pond |  Landscape mitigation planting (scrub / woodland) |  Returned to suitable development use |  Noise fence barrier | Doc Number: C223-CSI-EV-DPL-030-621700 P04 Date: 29/10/13 |
| Balancing pond | Grassed areas | County boundary | Existing public right of way (PRoW) | |
| | Sustainable placement | Borough / District boundary | New, diverted or realigned PRoW | |

Community Forum Area: CFA19 Chelmsley Junction



| | | | | | | | |
|--|---|-------------------------------------|---|------------------------|---|-------------------------------|------------------------|
| Legend | | Community forum boundary | | Stopped-up PRoW | | Chainage (e.g. 10+000) | |
| Depot, station, headhouse or portal building | Rail alignment formation | Existing watercourse | Temporary PRoW diversion / realignment | 10+000 | Temporary highway diversion / realignment | 10+000 | Chainage (e.g. 10+000) |
| Tunnel portal | Landscape earthworks | Tunnels external extent | Temporary utility diversion / realignment | 10+000 | Temporary utility diversion / realignment | 10+000 | Chainage (e.g. 10+000) |
| Main construction compound | Engineering earthworks | Construction traffic route | Temporary utility diversion / realignment | 10+000 | Temporary utility diversion / realignment | 10+000 | Chainage (e.g. 10+000) |
| Satellite construction compound | County boundary | Existing public right of way (PRoW) | Temporary utility diversion / realignment | 10+000 | Temporary utility diversion / realignment | 10+000 | Chainage (e.g. 10+000) |
| Temporary material stockpile | Borough / District boundary | New, diverted or realigned PRoW | Temporary utility diversion / realignment | 10+000 | Temporary utility diversion / realignment | 10+000 | Chainage (e.g. 10+000) |
| | Land potentially required during construction | | Temporary utility diversion / realignment | 10+000 | Temporary utility diversion / realignment | 10+000 | Chainage (e.g. 10+000) |

Map Number: CT-05-108-R1

Map Name: Construction Phase

Community Forum Area: CFA19, Coleshill Junction

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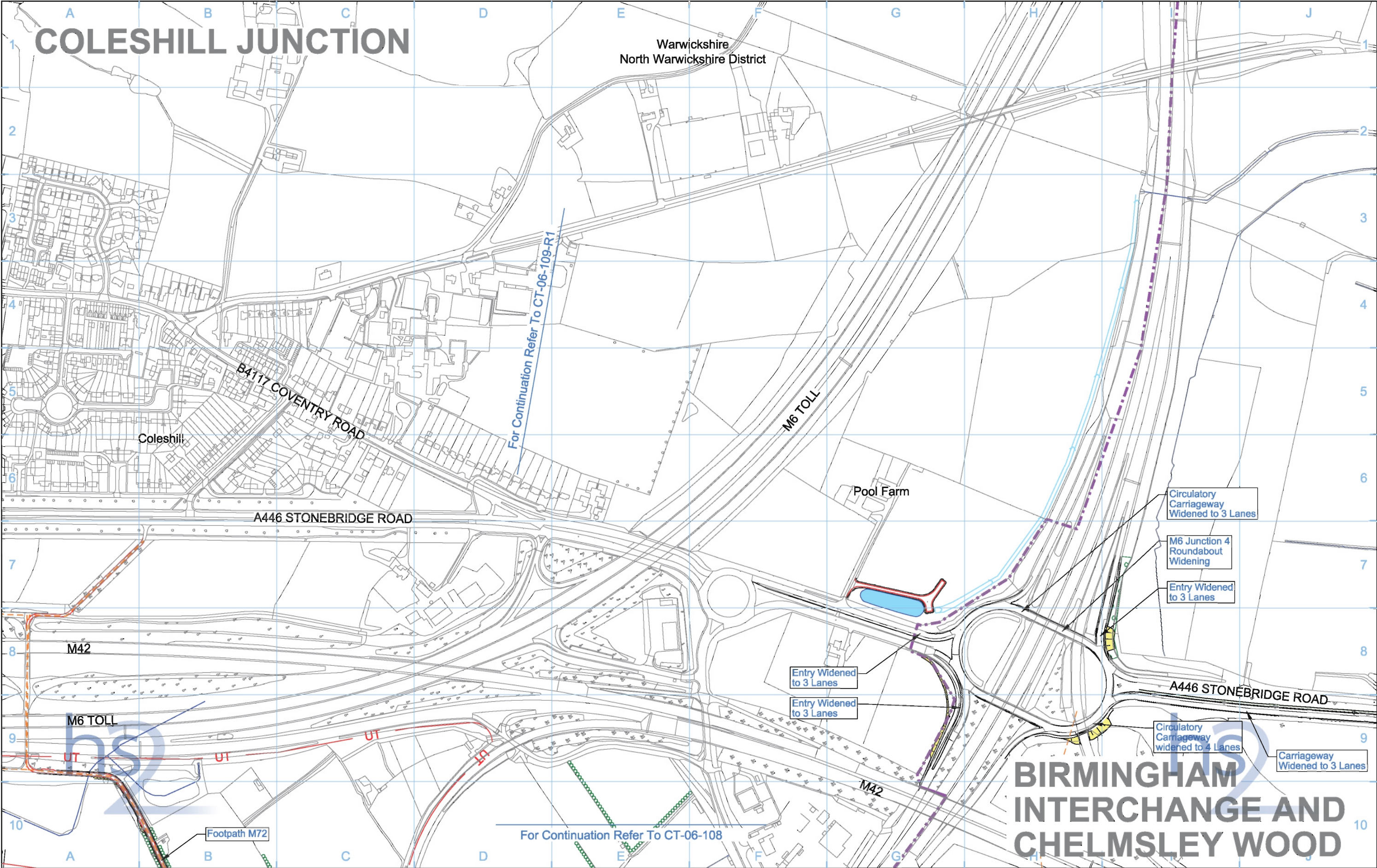
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Doc Number: C223-CSI-EV-DPL-030-521701 P05 Date: 30/10/13



Legend

| | | |
|--|--|--------------------------------------|
| Depot, station, headhouse or portal building | Replacement floodplain storage | Public realm |
| Tunnel portal | Woodland habitat creation | Engineering earthworks |
| Electricity substation | Wetland habitat creation | Landscape earthworks |
| Land drainage area | Grassland habitat creation | Rail alignment formation |
| Ecological mitigation pond | Landscape mitigation planting (scrub / woodland) | Returned to suitable development use |
| Balancing pond | Grassed areas | County boundary |
| | Sustainable placement | Borough / District boundary |

| | |
|-------------------------------------|-------------------------|
| Community forum boundary | Stopped-up PRoW |
| Watercourse diversion | Tunnels external extent |
| Existing watercourse | Rail alignment |
| Ditches - new | HS2 Access road |
| Hedgerow habitat creation | Noise fence barrier |
| Main utility works | |
| Existing public right of way (PRoW) | Chainage (e.g. 10+000) |
| New, diverted or realigned PRoW | |

Map Number: **CT-06-108-R1**

Map Name: **Proposed Scheme**

Community Forum Area: CFA19, Coleshill Junction

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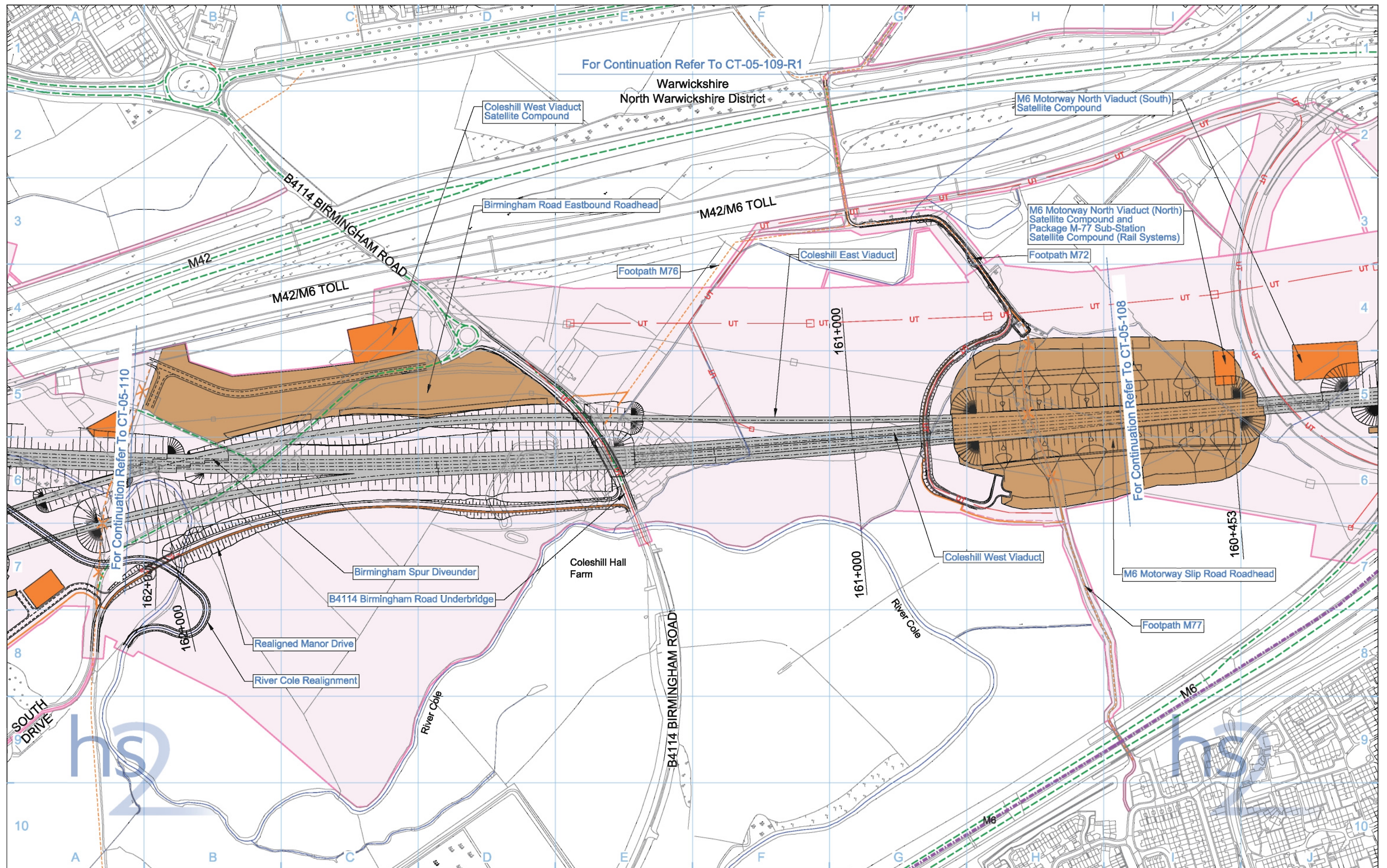
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| Legend | | | | |
|--|---|-------------------------------------|---|------------------------|
| Depot, station, headhouse or portal building | Landscape earthworks | Community forum boundary | Stopped-up PRoW | Chainage (e.g. 10+000) |
| Tunnel portal | Engineering earthworks | Existing watercourse | Temporary PRoW diversion / realignment | |
| Main construction compound | County boundary | Tunnels external extent | Temporary highway diversion / realignment | |
| Satellite construction compound | Borough / District boundary | Construction traffic route | Main utility works | |
| Temporary material stockpile | Land potentially required during construction | Existing public right of way (PRoW) | New, diverted or realigned PRoW | Rail alignment |

| | |
|----------------------|-----------------------------|
| Map Number | CT-05-109 |
| Map Name | Construction Phase |
| Community Forum Area | CFA19 Coleshill Junction |

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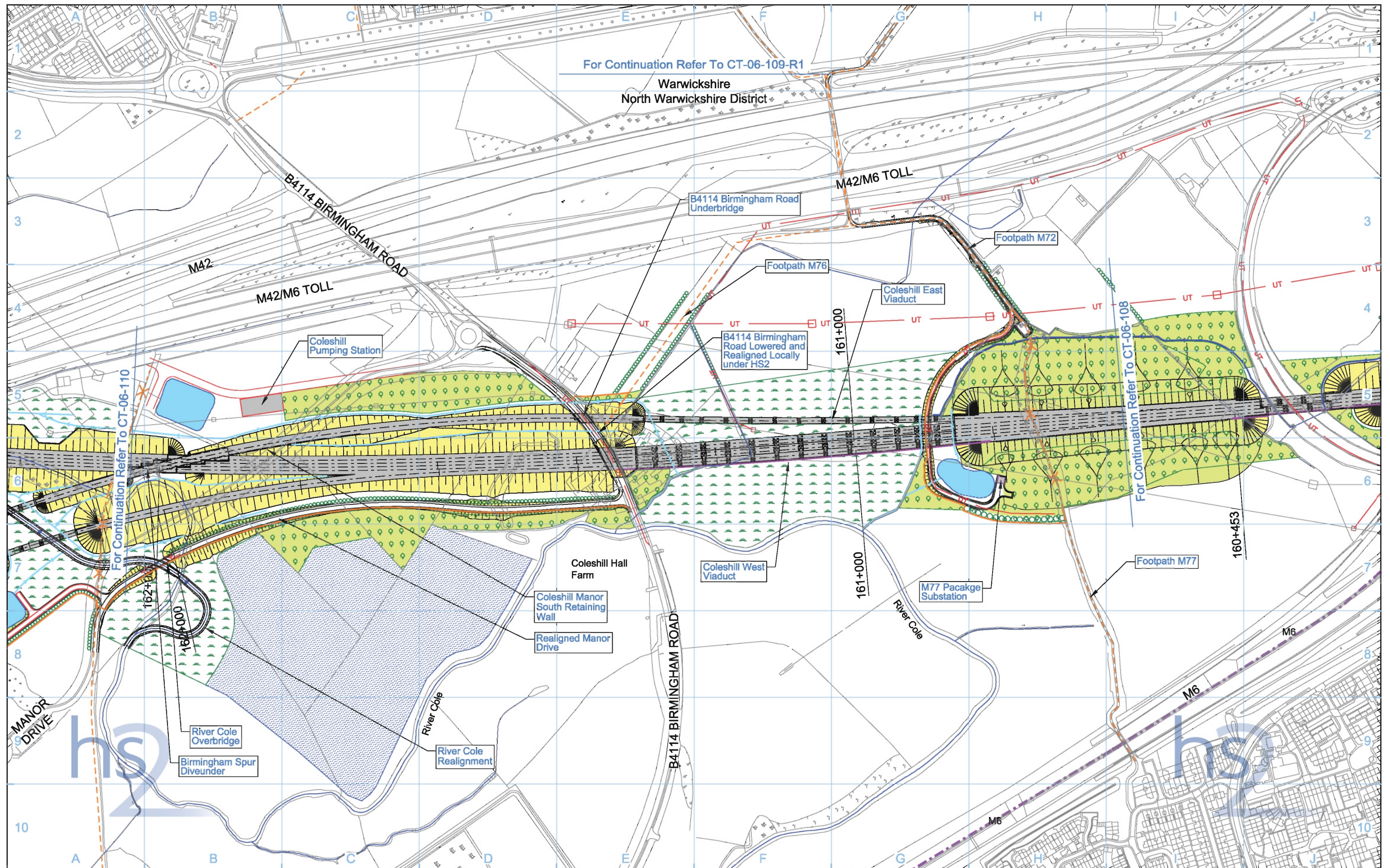
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Metres

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| Legend | | Community forum boundary | | Stopped-up PRoW | |
|--|--|---------------------------------|-------------------------------------|-------------------------|--|
| Depot, station, headhouse or portal building | Replacement floodplain storage | Watercourse diversion | Existing watercourse | Tunnels external extent | |
| Tunnel portal | Woodland habitat creation | Ditches - new | Hedgerow habitat creation | Rail alignment | |
| Electricity substation | Wetland habitat creation | Main utility works | Existing public right of way (PRoW) | HS2 Access road | |
| Land drainage area | Grassland habitat creation | New, diverted or realigned PRoW | | Noise fence barrier | |
| Ecological mitigation pond | Landscape mitigation planting (scrub / woodland) | | | | |
| Balancing pond | Landscape earthworks | | | | |
| | Grassed areas | | | | |
| | Sustainable placement | | | | |
| | Returned to suitable development use | | | | |
| | County boundary | | | | |
| | Borough / District boundary | | | | |

| Map Number | | Map Name | |
|------------|-----------------|----------|--|
| CT-06-109 | Proposed Scheme | | |

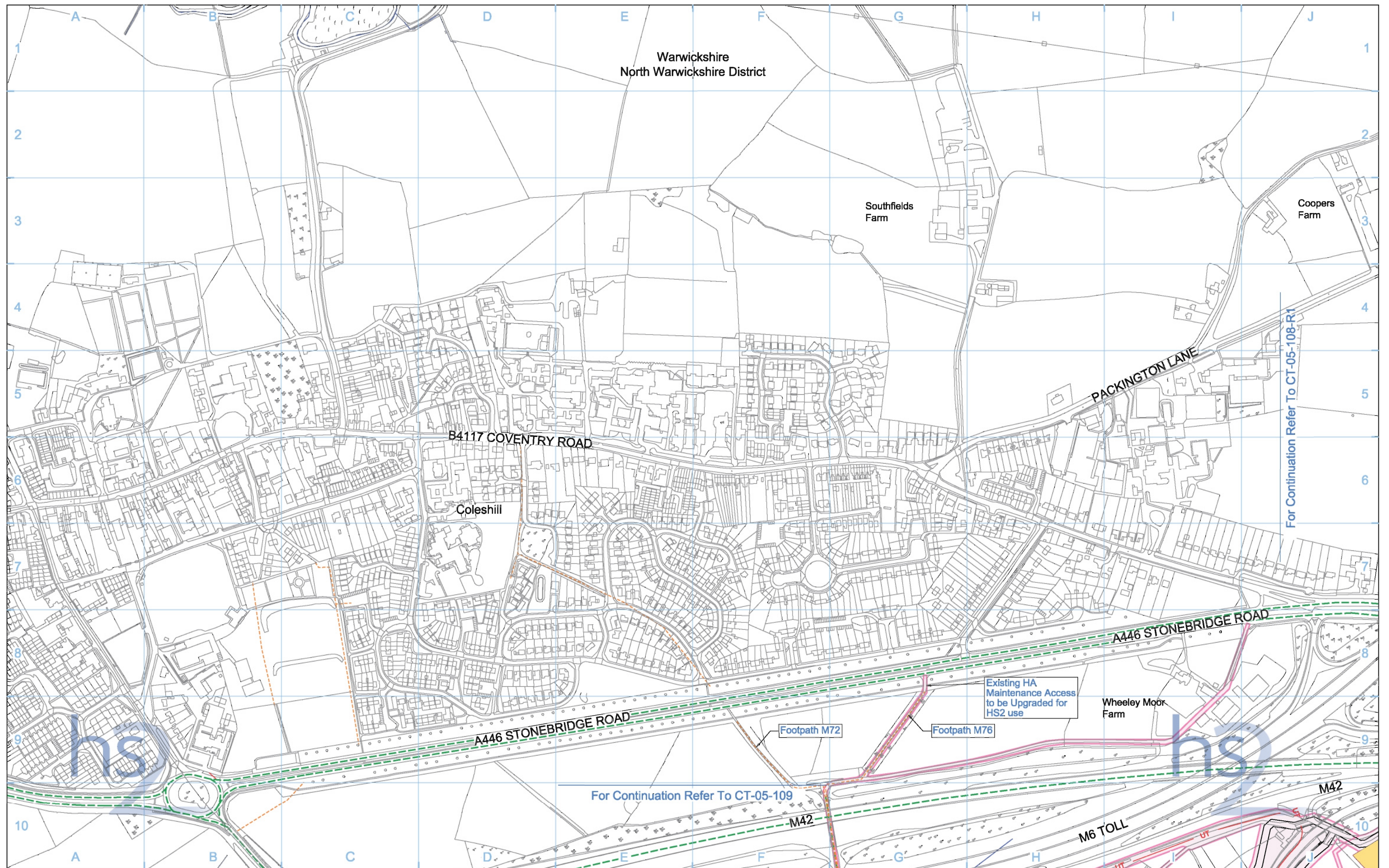
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|----------------------|--------------------|----------------------|--|
| CFA19 | Coleshill Junction | | |

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Legend

- | | | | |
|--|---|-------------------------------------|---|
| Depot, station, headhouse or portal building | Rail alignment formation | Community forum boundary | Stopped-up PRoW |
| Tunnel portal | Landscape earthworks | Existing watercourse | Temporary PRoW diversion / realignment |
| Main construction compound | Engineering earthworks | Tunnels external extent | Temporary highway diversion / realignment |
| Satellite construction compound | County boundary | Construction traffic route | Main utility works |
| Temporary material stockpile | Borough / District boundary | Existing public right of way (PRoW) | |
| | Land potentially required during construction | New, diverted or realigned PRoW | |
- Chainage (e.g. 10+000)
- 10+000
- Rail alignment

Map Number

CT-05-109-R1

Map Name

Construction Phase

Community Forum Area

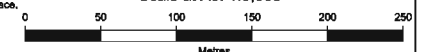
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Coleshill Junction



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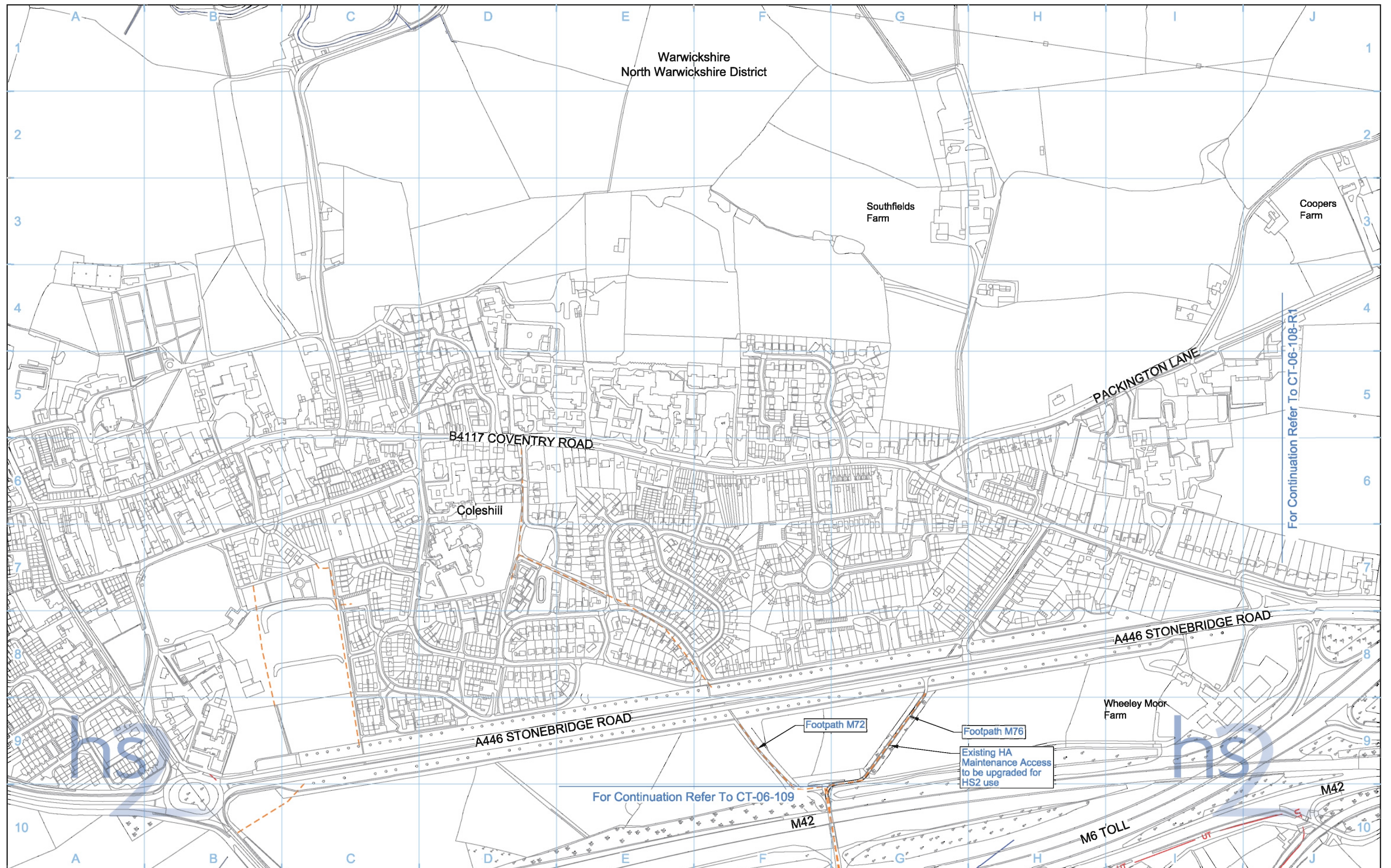


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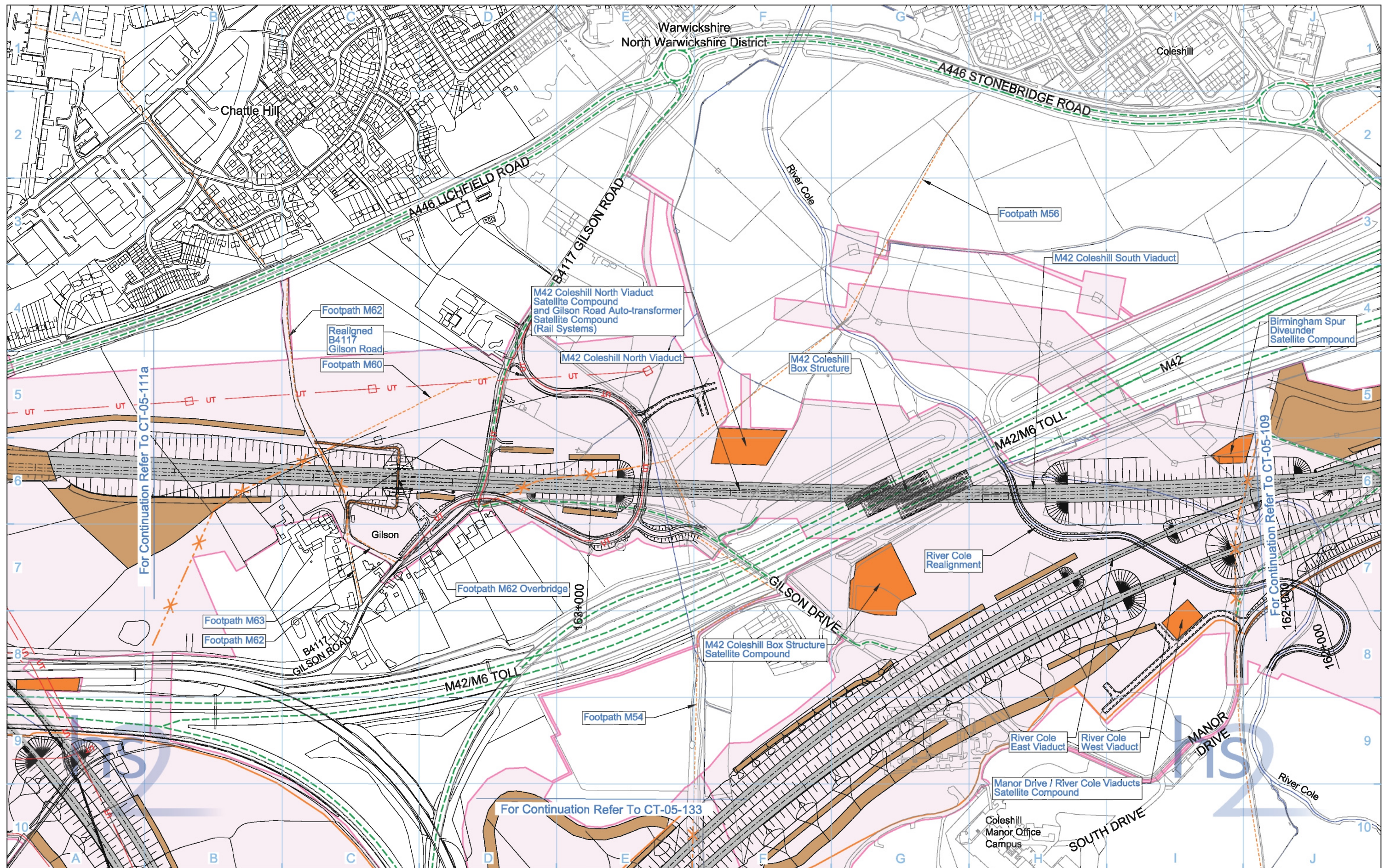
Doc Number: C223-CSI-EV-DPL-030-521901

P04

Date: 30/10/13



| | | | | | | |
|---------------|---|--|--|---|---|---|
| Legend | <ul style="list-style-type: none">Replacement floodplain storageWoodland habitat creationWetland habitat creationGrassland habitat creationLandscape mitigation planting (scrub / woodland)Grassed areasSustainable placement | <ul style="list-style-type: none">Public realmEngineering earthworksLandscape earthworksRail alignment formationReturned to suitable development useCounty boundaryBorough / District boundary | <ul style="list-style-type: none">Community forum boundaryWatercourse diversionExisting watercourseDitches - newHedgerow habitat creationMain utility worksExisting public right of way (PRoW)New, diverted or realigned PRoW | <ul style="list-style-type: none">Stopped-up PRoWTunnels external extentRail alignmentHS2 Access roadNoise fence barrierChainage (e.g. 10+000) | <div>Map Number CT-06-109-R1</div> <div>Map Name Proposed Scheme</div> <div>Community Forum Area CFA19 Coleshill Junction</div> | <div></div> <div>HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.</div> <div>Registered in England. Registration number 06791688 Registered office: Eland House, Bressenden Place, London SW1E 6DU</div> <div>Scale at A3: 1:5,000 0 50 100 150 200 250 Metres</div> <div>© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100048190.</div> <div>Doc Number: C223-CSI-EV-DPL-030-621901 P05 Date: 29/10/13</div> |
|---------------|---|--|--|---|---|---|



| Legend | | | |
|--|---|---------------------------------|---|
| Depot, station, headhouse or portal building | Landscape earthworks | Community forum boundary | Stopped-up PRoW |
| Tunnel portal | Engineering earthworks | Existing watercourse | Temporary PRoW diversion / realignment |
| Main construction compound | County boundary | Tunnels external extent | Temporary highway diversion / realignment |
| Satellite construction compound | Borough / District boundary | Construction traffic route | Existing public right of way (PRoW) |
| Temporary material stockpile | Land potentially required during construction | New, diverted or realigned PRoW | Main utility works |

| Map Information | |
|----------------------|-----------------------------|
| Map Number | CT-05-110 |
| Map Name | Construction Phase |
| Community Forum Area | CFA19 Coleshill Junction |

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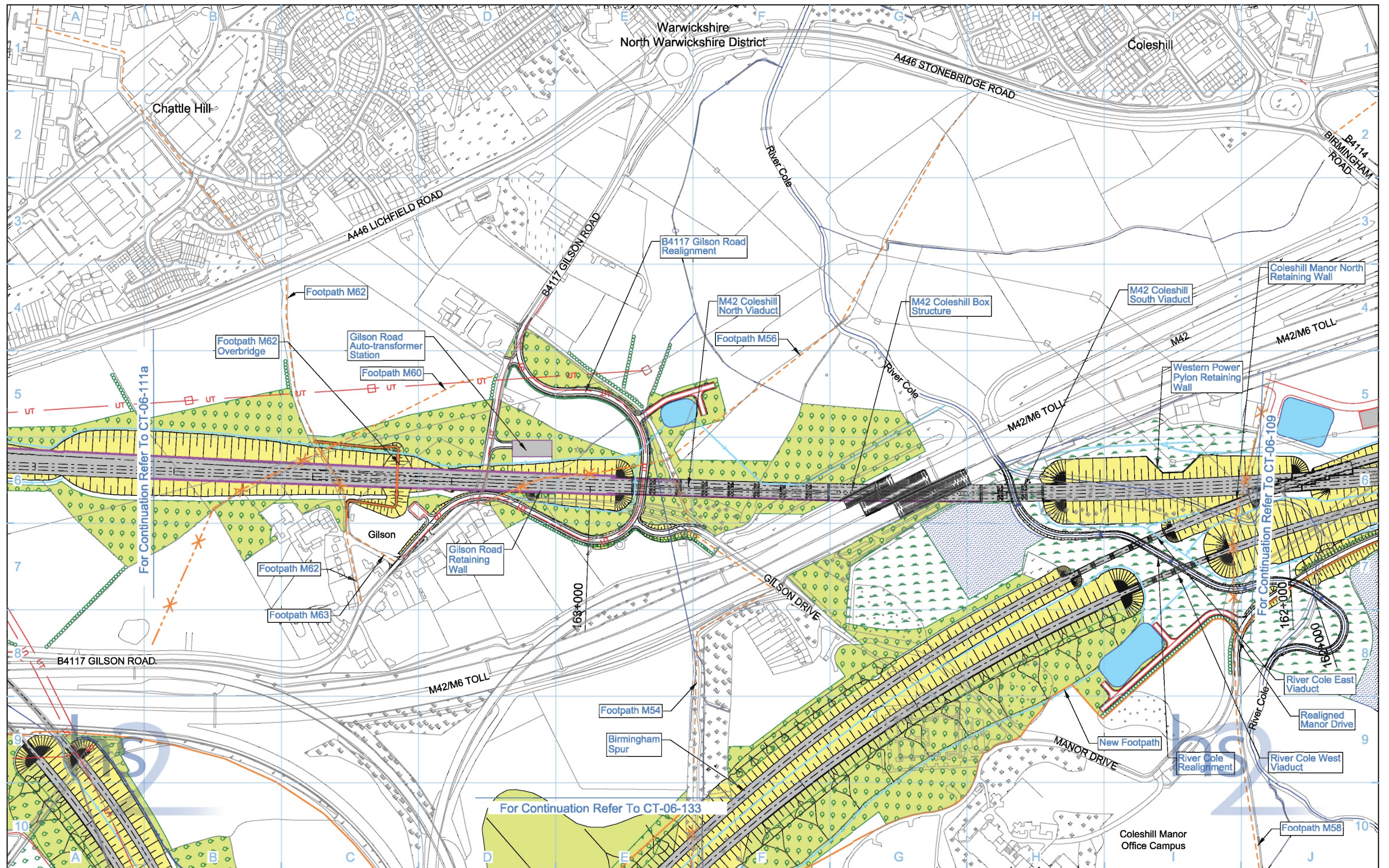
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Legend

| | | | | |
|--|--|--------------------------------------|-------------------------------------|-------------------------|
| Depot, station, headhouse or portal building | Replacement floodplain storage | Public realm | Community forum boundary | Stopped-up PRoW |
| Tunnel portal | Woodland habitat creation | Engineering earthworks | Watercourse diversion | Tunnels external extent |
| Electricity substation | Wetland habitat creation | Landscape earthworks | Existing watercourse | Rail alignment |
| Land drainage area | Grassland habitat creation | Rail alignment formation | Ditches - new | HS2 Access road |
| Ecological mitigation pond | Landscape mitigation planting (scrub / woodland) | Returned to suitable development use | Hedgerow habitat creation | Noise fence barrier |
| Balancing pond | Grassed areas | County boundary | Main utility works | |
| | Sustainable placement | Borough / District boundary | Existing public right of way (PRoW) | |
| | | | New, diverted or realigned PRoW | |

Map Number
CT-06-110

Map Name
Proposed Scheme

Community Forum Area
CFA19
Coleshill Junction

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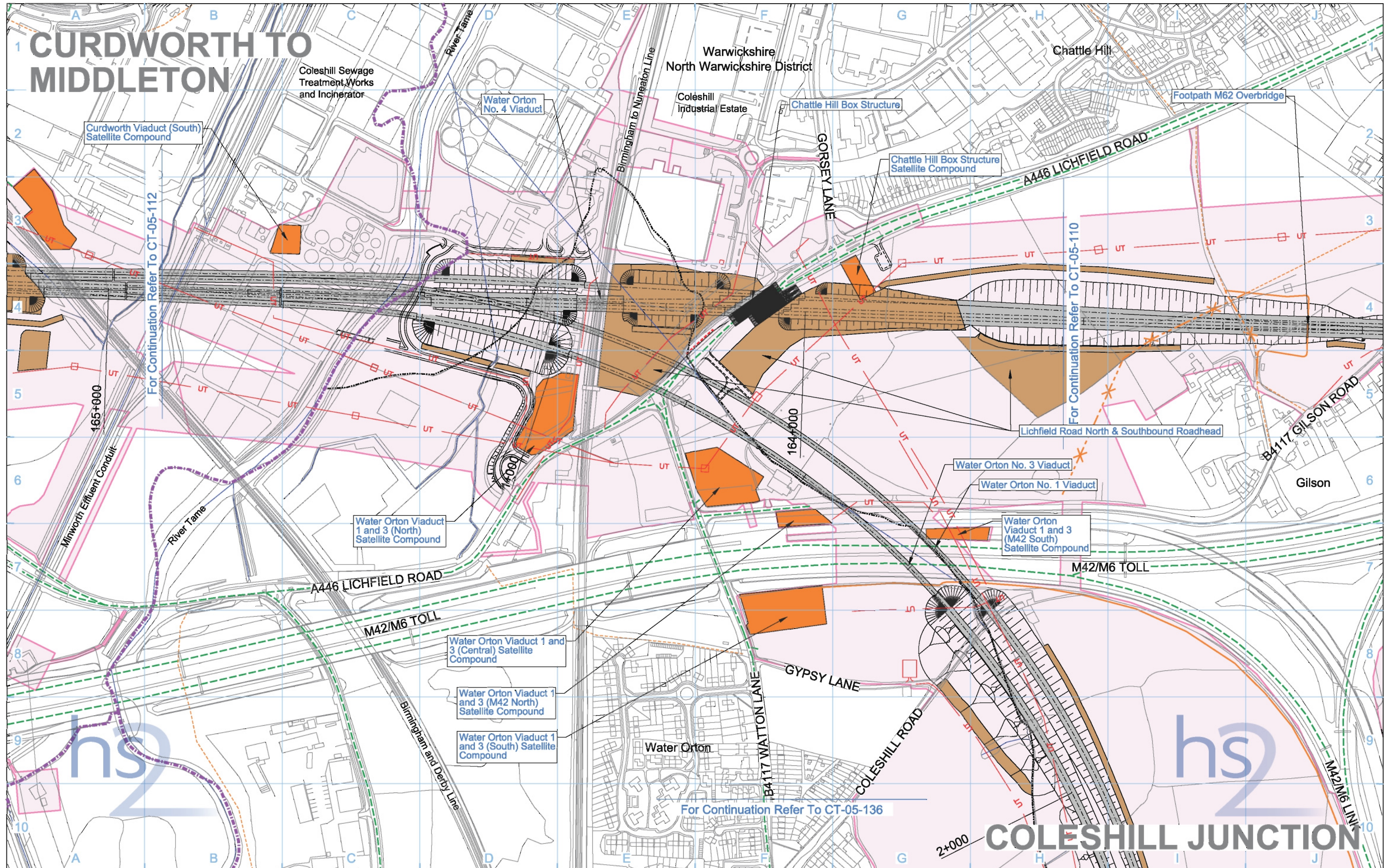
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Legend

| | | | |
|--|---|---------------------------------|---|
| Depot, station, headhouse or portal building | Landscape earthworks | Community forum boundary | Stopped-up PRoW |
| Tunnel portal | Engineering earthworks | Existing watercourse | Temporary PRoW diversion / realignment |
| Main construction compound | County boundary | Tunnels external extent | Temporary highway diversion / realignment |
| Satellite construction compound | Borough / District boundary | Construction traffic route | Existing public right of way (PRoW) |
| Temporary material stockpile | Land potentially required during construction | New, diverted or realigned PRoW | Main utility works |

Map Number
CT-05-111a

Map Name
Construction Phase

Community Forum Area
CFA19
Coleshill Junction

Chainage
(e.g. 10+000)

10+000

Rail alignment

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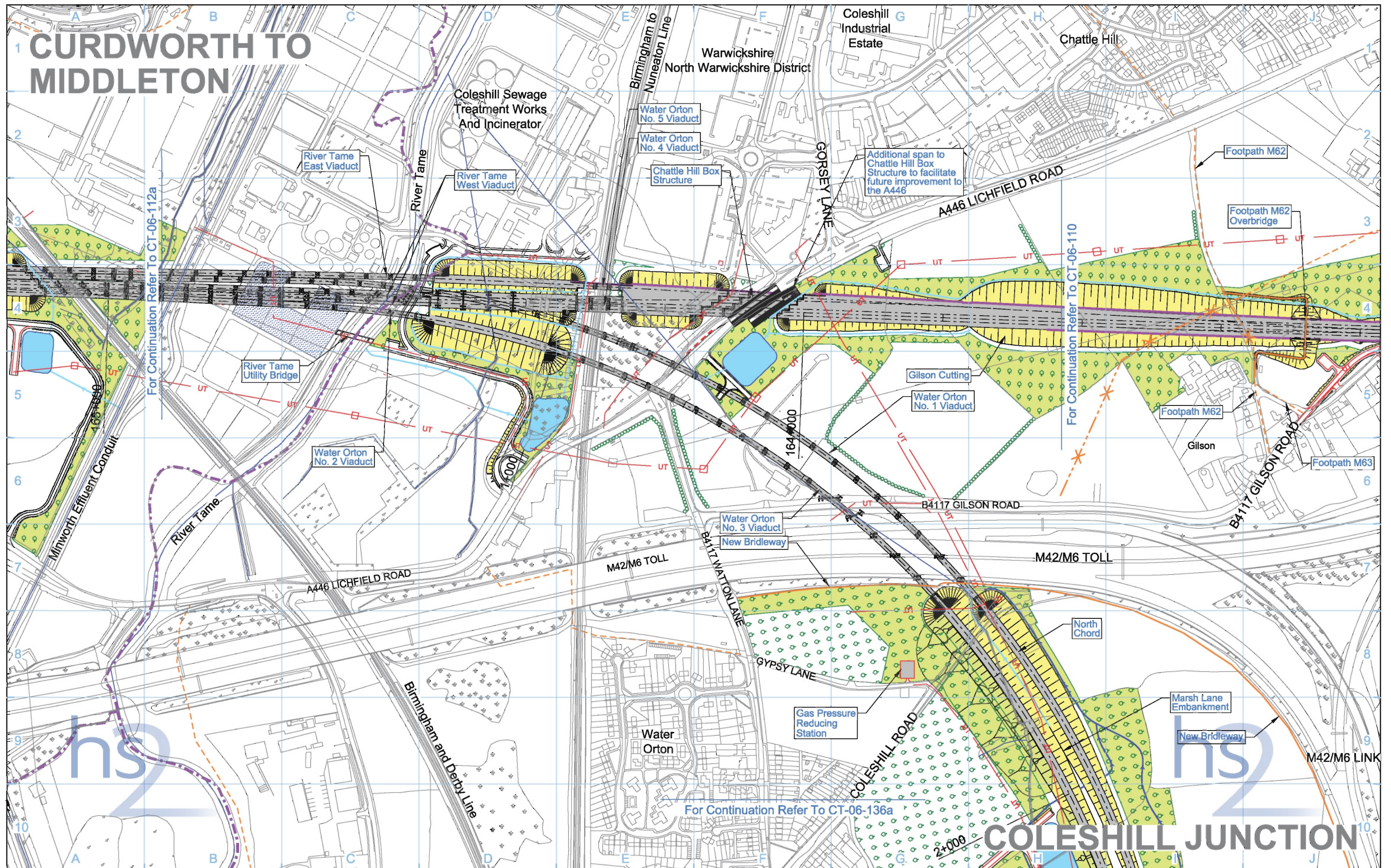
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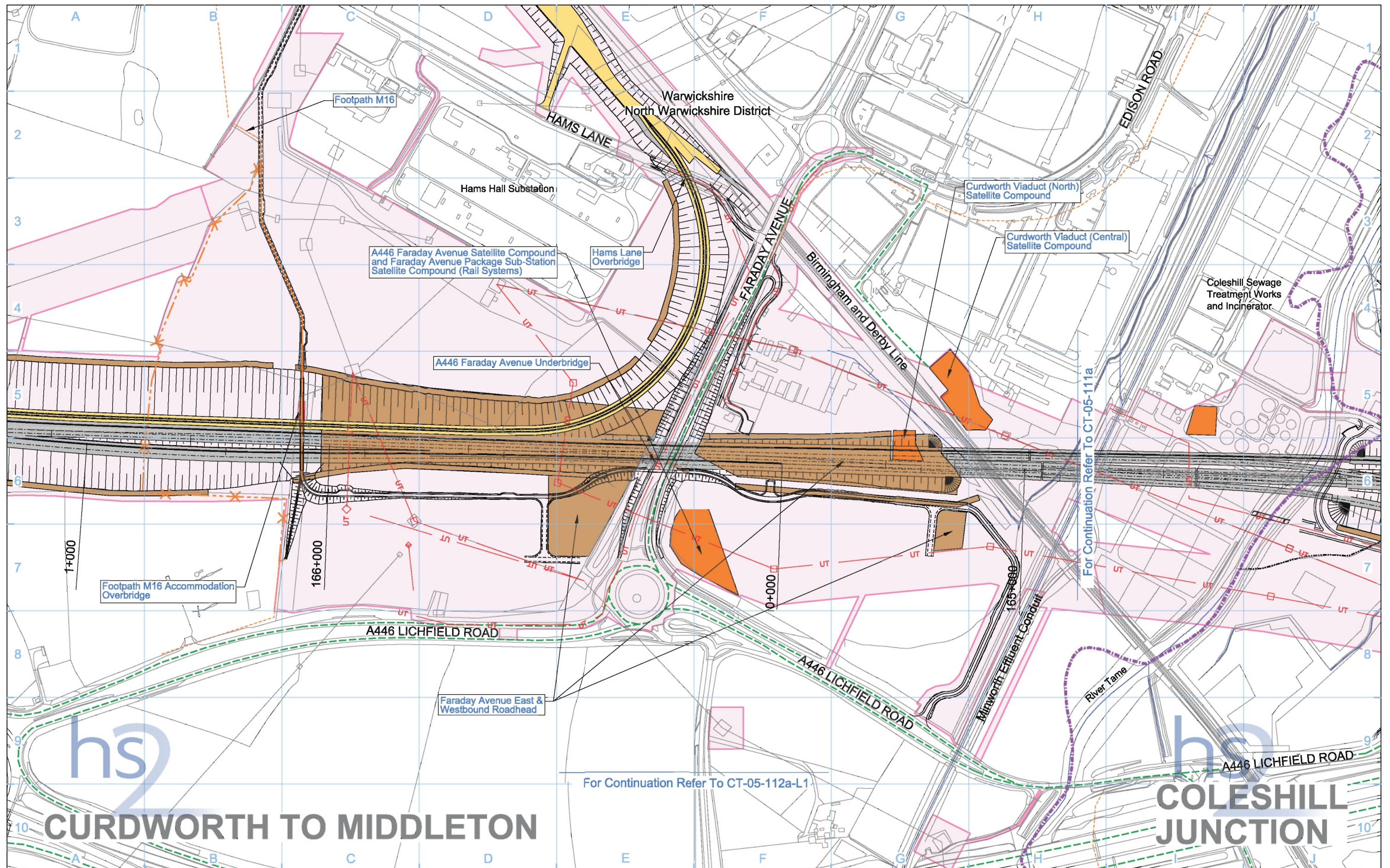
0 50 100 150 200 250
Metres

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Doc Number: C223-CSI-EV-DPL-030-522300 **P03** **Date:** 30/10/13



| | | | | | |
|--|--|--------------------------------------|-------------------------------------|-------------------------|---------------------|
| Legend | | Community forum boundary | | Stopped-up PRoW | |
| Depot, station, headhouse or portal building | Replacement floodplain storage | Watercourse diversion | Existing watercourse | Tunnels external extent | Rail alignment |
| Tunnel portal | Woodland habitat creation | Ditches - new | Hedgerow habitat creation | HS2 Access road | Noise fence barrier |
| Electricity substation | Wetland habitat creation | Main utility works | Existing public right of way (PRoW) | Chainage (e.g. 10+000) | |
| Land drainage area | Grassland habitat creation | Returned to suitable development use | County boundary | | |
| Ecological mitigation pond | Landscape mitigation planting (scrub / woodland) | Borough / District boundary | | | |
| Balancing pond | Landscape earthworks | | | | |
| | Grassed areas | | | | |
| | Sustainable placement | | | | |



Legend

| | | | |
|--|---|-------------------------------------|---|
| Depot, station, headhouse or portal building | Rail alignment formation | Community forum boundary | Stopped-up PRoW |
| Tunnel portal | Landscape earthworks | Existing watercourse | Temporary PRoW diversion / realignment |
| Main construction compound | Engineering earthworks | Tunnels external extent | Temporary highway diversion / realignment |
| Satellite construction compound | County boundary | Construction traffic route | Main utility works |
| Temporary material stockpile | Borough / District boundary | Existing public right of way (PRoW) | |
| | Land potentially required during construction | New, diverted or realigned PRoW | |

Chainage
(e.g. 10+000)

10+000

166+000

165+000

164+000

Map Number
CT-05-112a

Map Name
Construction Phase

Community Forum Area
CFA19
Coleshill Junction

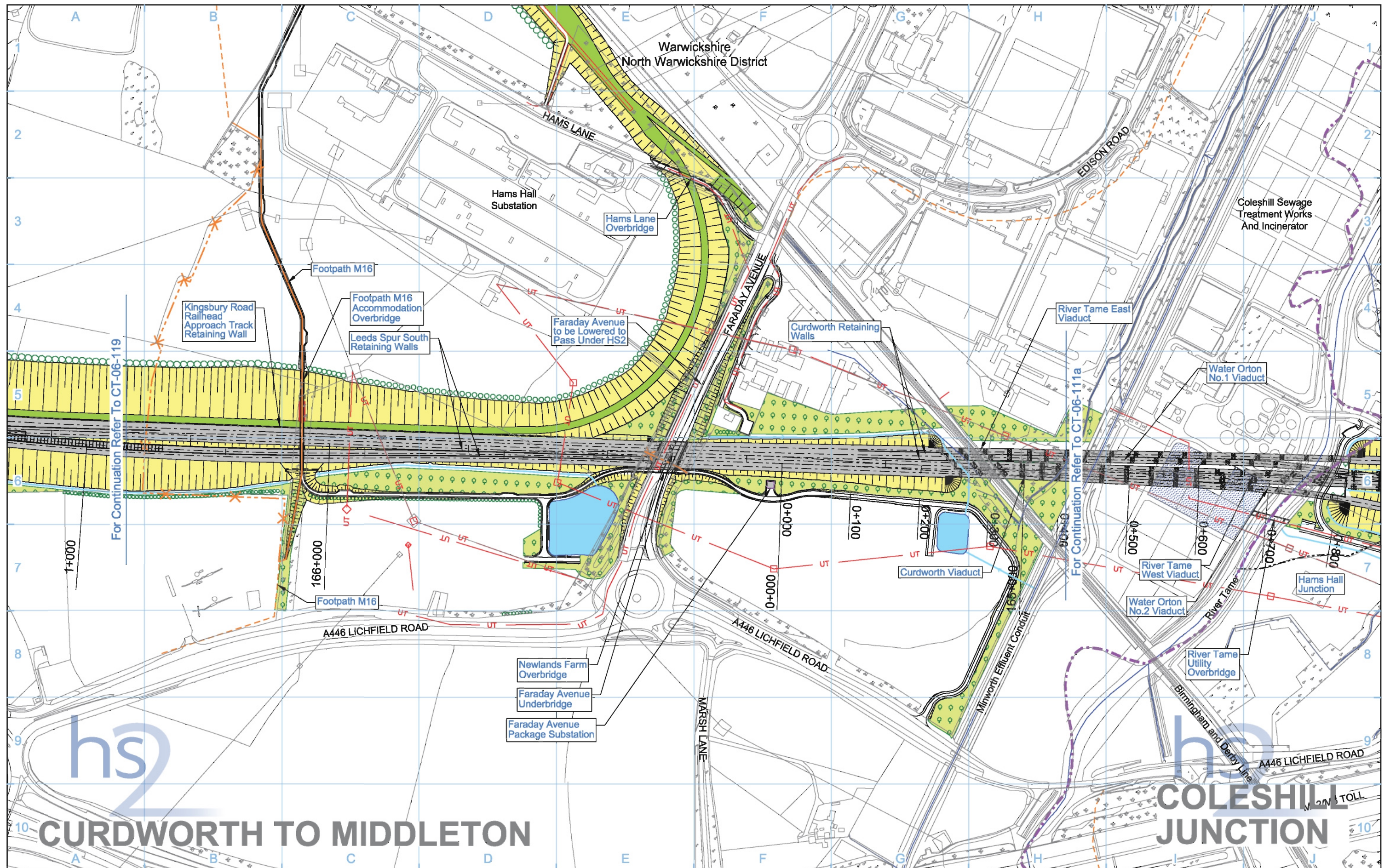
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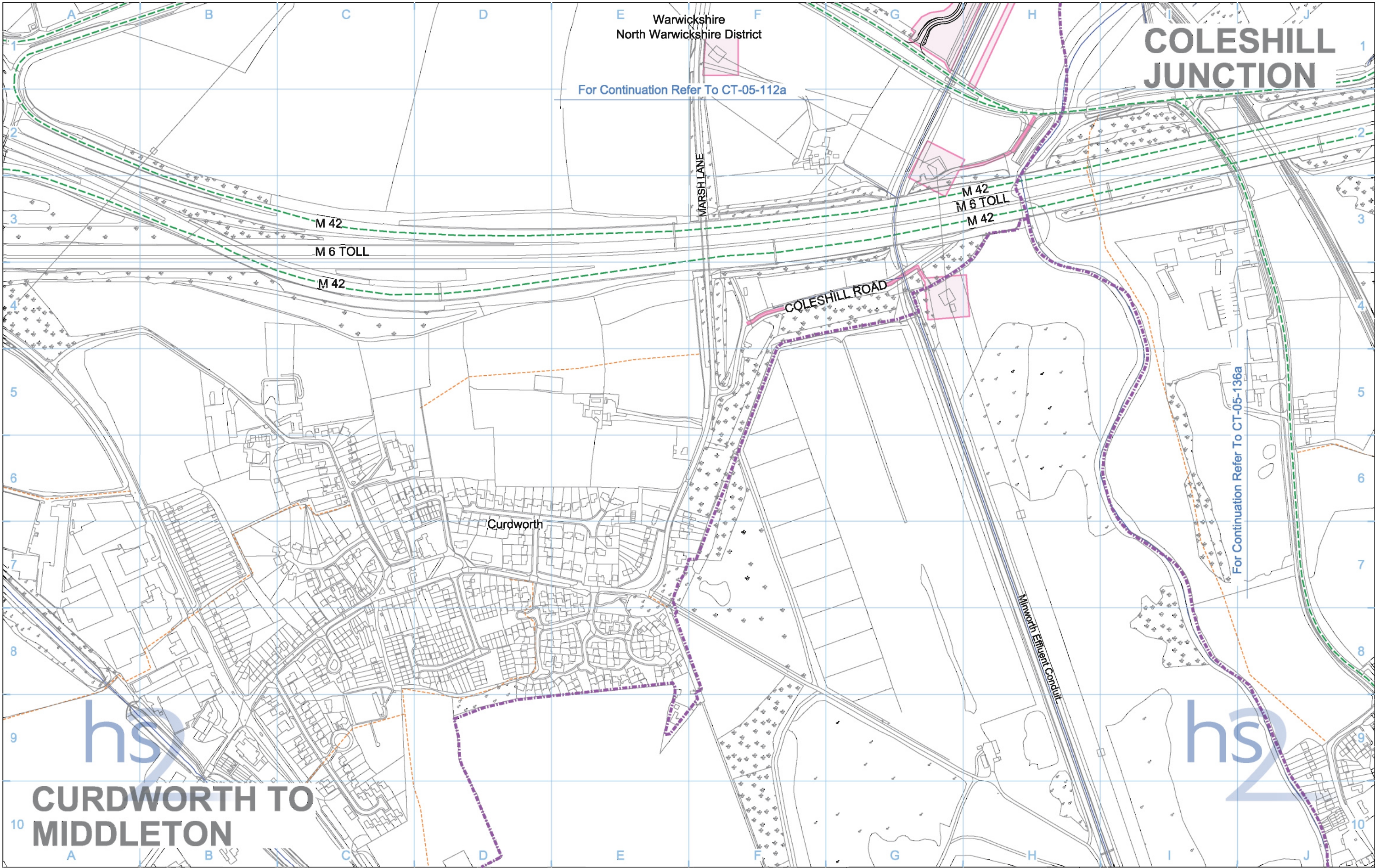
Scale bar: 0 50 100 150 200 250 Metres

Doc Number: C223-CSI-EV-DPL-030-522500 P04

Date: 30/10/13



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|---------------|---|--|--|---|--|--|
| Legend | <ul style="list-style-type: none">Replacement floodplain storageWoodland habitat creationWetland habitat creationGrassland habitat creationLandscape mitigation planting (scrub / woodland)Grassed areasSustainable placement | <ul style="list-style-type: none">Public realmEngineering earthworksLandscape earthworksRail alignment formationReturned to suitable development useCounty boundaryBorough / District boundary | <ul style="list-style-type: none">Community forum boundaryWatercourse diversionExisting watercourseDitches - newHedgerow habitat creationMain utility worksExisting public right of way (PRoW)New, diverted or realigned PRoW | <ul style="list-style-type: none">Stopped-up PRoWTunnels external extentRail alignmentHS2 Access roadNoise fence barrierChainage (e.g. 10+000) | <div>Map Number CT-06-112a</div> <div>Map Name Proposed Scheme</div> <div>Community Forum Area CFA19 Coleshill Junction</div> | <div>hs2 COLESHILL JUNCTION</div> <div>HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.</div> <div>Registered in England. Registration number 06791688 Registered office: Eland House, Bressenden Place, London SW1E 6DU</div> <div>Scale at A3: 1:5,000</div> <div>0 50 100 150 200 250 Metres</div> <div>© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100048190.</div> <div>Doc Number: C223-CSI-EV-DPL-030-622500 P05 Date: 30/10/13</div> |
|---------------|---|--|--|---|--|--|



Legend

- Depot, station, headhouse or portal building
- Tunnel portal
- Main construction compound
- Satellite construction compound
- Temporary material stockpile
- M42 Rail alignment formation
- Landscape earthworks
- Engineering earthworks
- County boundary
- Borough / District boundary
- Land potentially required during construction
- Community forum boundary
- Existing watercourse
- Tunnels external extent
- Construction traffic route
- Existing public right of way (PRoW)
- New, diverted or realigned PRoW
- Stopped-up PRoW
- Temporary PRoW diversion / realignment
- Temporary highway diversion / realignment
- UT - Main utility works
- Chainage (e.g. 10+000)
- Rail alignment

Map Number
CT-05-112a-L1

Map Name
Construction Phase

Community Forum Area
CFA19
Coleshill Junction

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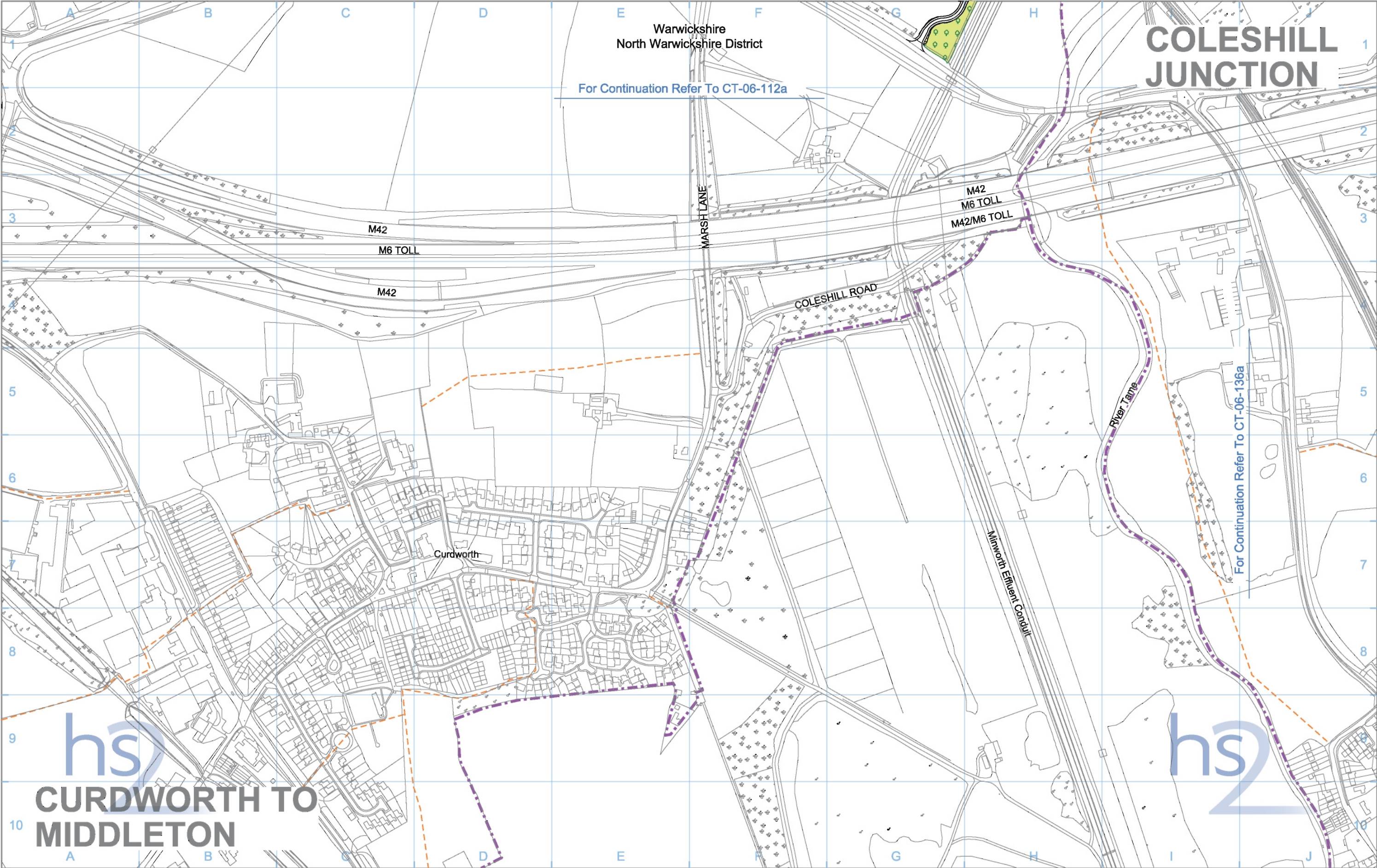
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Doc Number: C223-CSI-EV-DPL-030-522502 P03 Date: 29/10/13



| Legend | | Map Number | | Map Name | | Community Forum Area | |
|--|--|--------------------------------------|-----------------|----------|--------------------|----------------------|--|
| Depot, station, headhouse or portal building | Replacement floodplain storage | Public realm | CT-06-112a-L1 | | CFA19 | | |
| Tunnel portal | Woodland habitat creation | Engineering earthworks | Proposed Scheme | | Coleshill Junction | | |
| Electricity substation | Wetland habitat creation | Landscape earthworks | | | | | |
| Land drainage area | Grassland habitat creation | Rail alignment formation | | | | | |
| Ecological mitigation pond | Landscape mitigation planting (scrub / woodland) | Returned to suitable development use | | | | | |
| Balancing pond | Grassed areas | County boundary | | | | | |
| | Sustainable placement | Borough / District boundary | | | | | |
| | | Community forum boundary | | | | | |
| | | Watercourse diversion | | | | | |
| | | Existing watercourse | | | | | |
| | | Ditches - new | | | | | |
| | | Hedgerow habitat creation | | | | | |
| | | Main utility works | | | | | |
| | | Existing public right of way (PROW) | | | | | |
| | | New, diverted or realigned PROW | | | | | |
| | | Stopped-up PROW | | | | | |
| | | Tunnels external extent | | | | | |
| | | Rail alignment | | | | | |
| | | HS2 Access road | | | | | |
| | | Noise fence barrier | | | | | |
| | | Chainage (e.g. 10+000) | | | | | |

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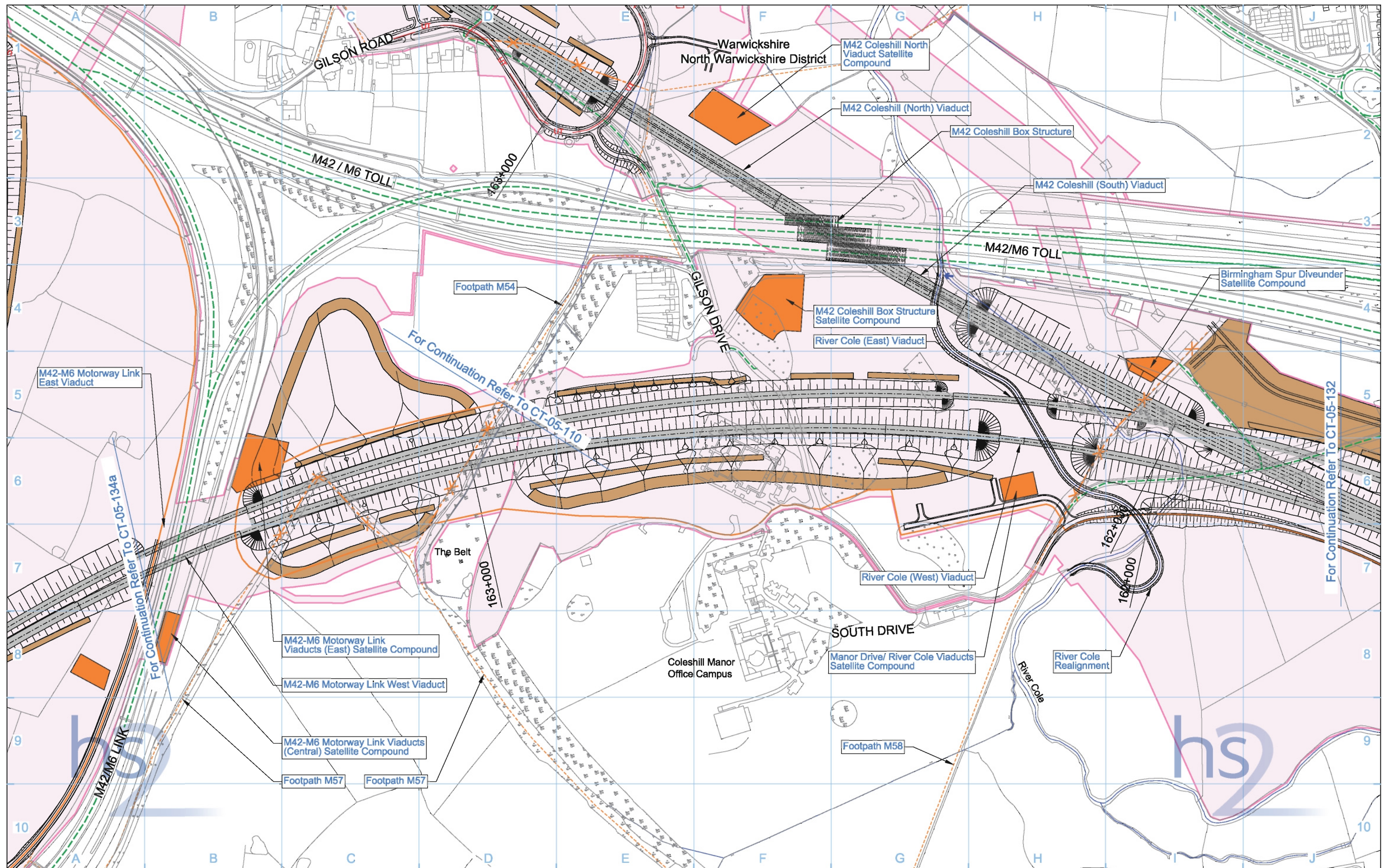
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Doc Number: C223-CSI-EV-DPL-030-622502 P04 Date: 29/10/13



Legend

| | | | |
|--|---|---------------------------------|---|
| Depot, station, headhouse or portal building | Rail alignment formation | Community forum boundary | Stopped-up PRoW |
| Tunnel portal | Landscape earthworks | Existing watercourse | Temporary PRoW diversion / realignment |
| Main construction compound | Engineering earthworks | Tunnels external extent | Temporary highway diversion / realignment |
| Satellite construction compound | County boundary | Construction traffic route | Existing public right of way (PRoW) |
| Temporary material stockpile | Borough / District boundary | New, diverted or realigned PRoW | Main utility works |
| | Land potentially required during construction | | |

Map Number
CT-05-133

Map Name
Construction Phase

Community Forum Area
CFA19
Coleshill Junction

Chainage
(e.g. 10+000)

10+000

162+000

163+000

164+000

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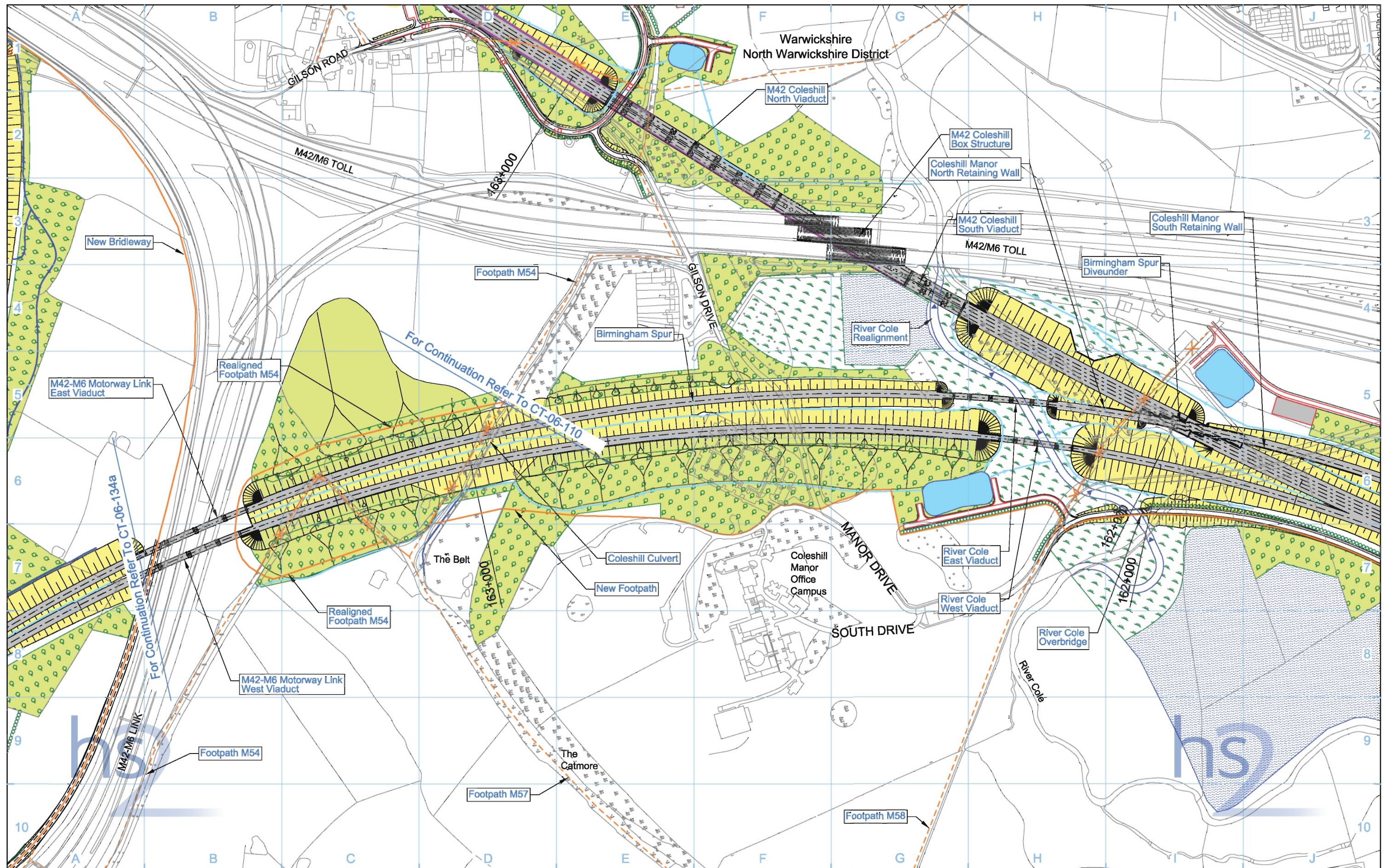
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Doc Number: C223-CSI-EV-DPL-030-526300 **P02** **Date:** 29/10/13



Legend

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Chainage (e.g. 10+000)

Map Number: **CT-06-133**

Map Name: **Proposed Scheme**

Community Forum Area: CFA19
Coleshill Junction

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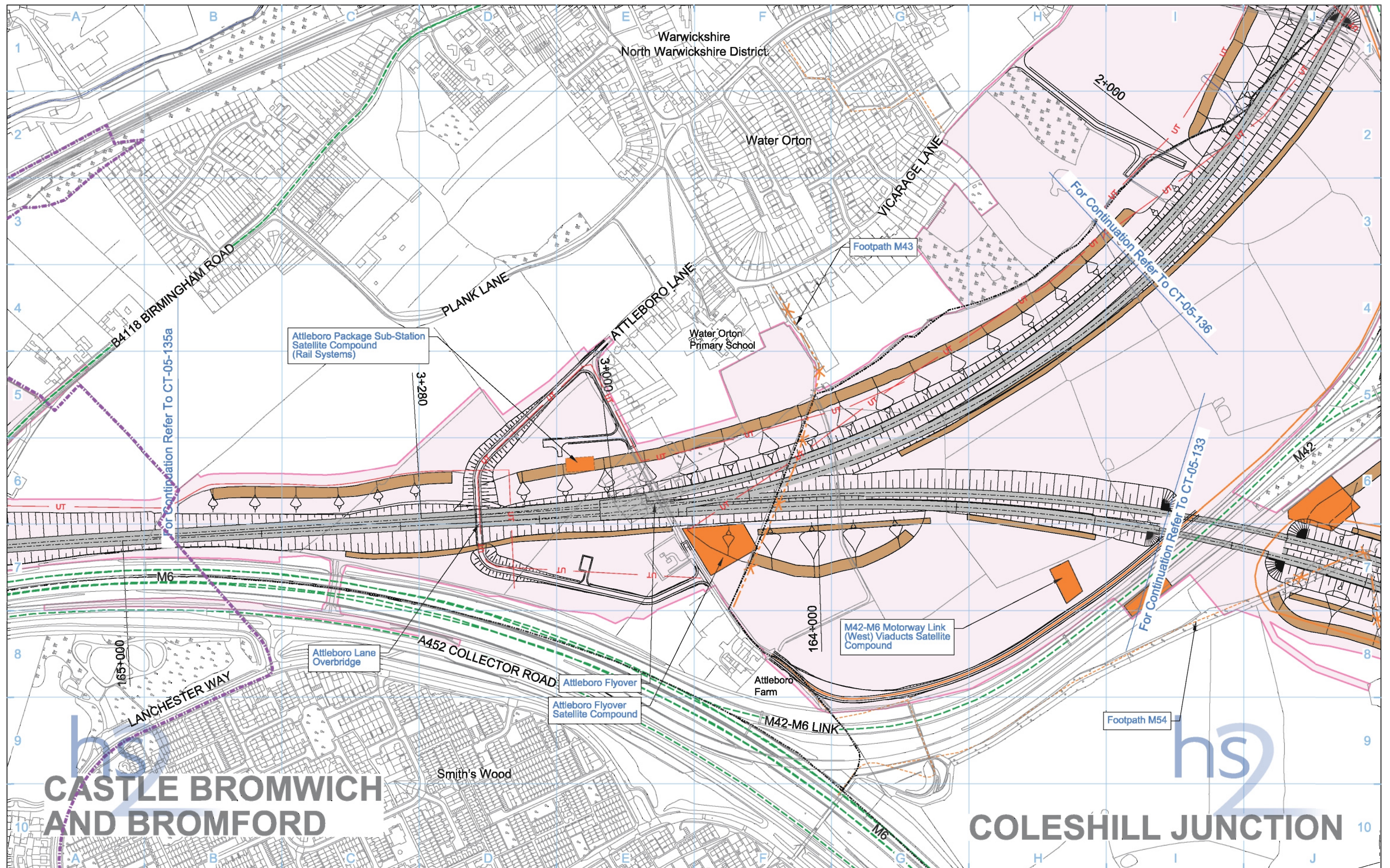
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Doc Number: C223-CSI-EV-DPL-030-626300 P04 Date: 29/10/13



| Legend | | Community forum boundary | | Stopped-up PRoW | | Chainage (e.g. 10+000) | |
|--|---|-------------------------------------|---|---|--------|------------------------|--|
| Depot, station, headhouse or portal building | Rail alignment formation | Existing watercourse | Community forum boundary | Temporary PRoW diversion / realignment | 10+000 | Chainage (e.g. 10+000) | |
| Tunnel portal | Landscape earthworks | Tunnels external extent | Existing watercourse | Temporary highway diversion / realignment | 10+000 | Chainage (e.g. 10+000) | |
| Main construction compound | Engineering earthworks | Construction traffic route | County boundary | Existing public right of way (PRoW) | 10+000 | Chainage (e.g. 10+000) | |
| Satellite construction compound | County boundary | Existing public right of way (PRoW) | Borough / District boundary | New, diverted or realigned PRoW | 10+000 | Chainage (e.g. 10+000) | |
| Temporary material stockpile | Land potentially required during construction | New, diverted or realigned PRoW | Land potentially required during construction | | 10+000 | Chainage (e.g. 10+000) | |

| Map Number | Map Name |
|------------|--------------------|
| CT-05-134a | Construction Phase |

| Community Forum Area | CFA19 |
|----------------------|-------|
| Coleshill Junction | |

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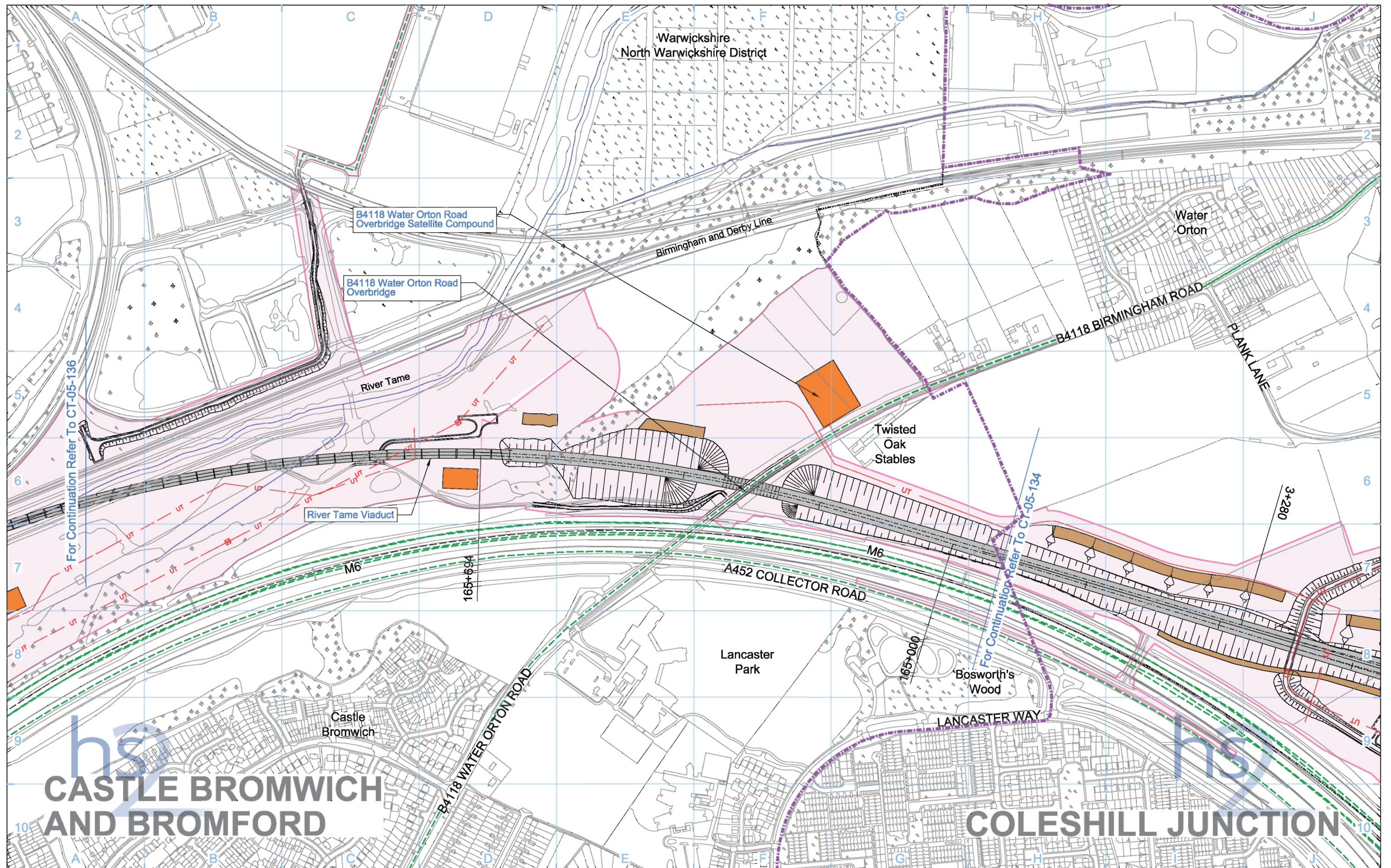
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| | | | | | | | |
|--|---|-------------------------------------|--|------------------------|---|-------------------------------|------------------------|
| Legend | | Community forum boundary | | Stopped-up PRoW | | Chainage (e.g. 10+000) | |
| Depot, station, headhouse or portal building | Rail alignment formation | Existing watercourse | Temporary PRoW diversion / realignment | 10+000 | Temporary highway diversion / realignment | 10+000 | Chainage (e.g. 10+000) |
| Tunnel portal | Landscape earthworks | Tunnels external extent | Temporary PRoW diversion / realignment | 10+000 | Temporary highway diversion / realignment | 10+000 | Chainage (e.g. 10+000) |
| Main construction compound | Engineering earthworks | Construction traffic route | Temporary PRoW diversion / realignment | 10+000 | Temporary highway diversion / realignment | 10+000 | Chainage (e.g. 10+000) |
| Satellite construction compound | County boundary | Existing public right of way (PRoW) | Temporary PRoW diversion / realignment | 10+000 | Temporary highway diversion / realignment | 10+000 | Chainage (e.g. 10+000) |
| Temporary material stockpile | Borough / District boundary | New, diverted or realigned PRoW | Temporary PRoW diversion / realignment | 10+000 | Temporary highway diversion / realignment | 10+000 | Chainage (e.g. 10+000) |
| | Land potentially required during construction | | Temporary PRoW diversion / realignment | 10+000 | Temporary highway diversion / realignment | 10+000 | Chainage (e.g. 10+000) |

Map Number: CT-05-135a

Map Name: Construction Phase

Community Forum Area: CFA19, Colehill Junction

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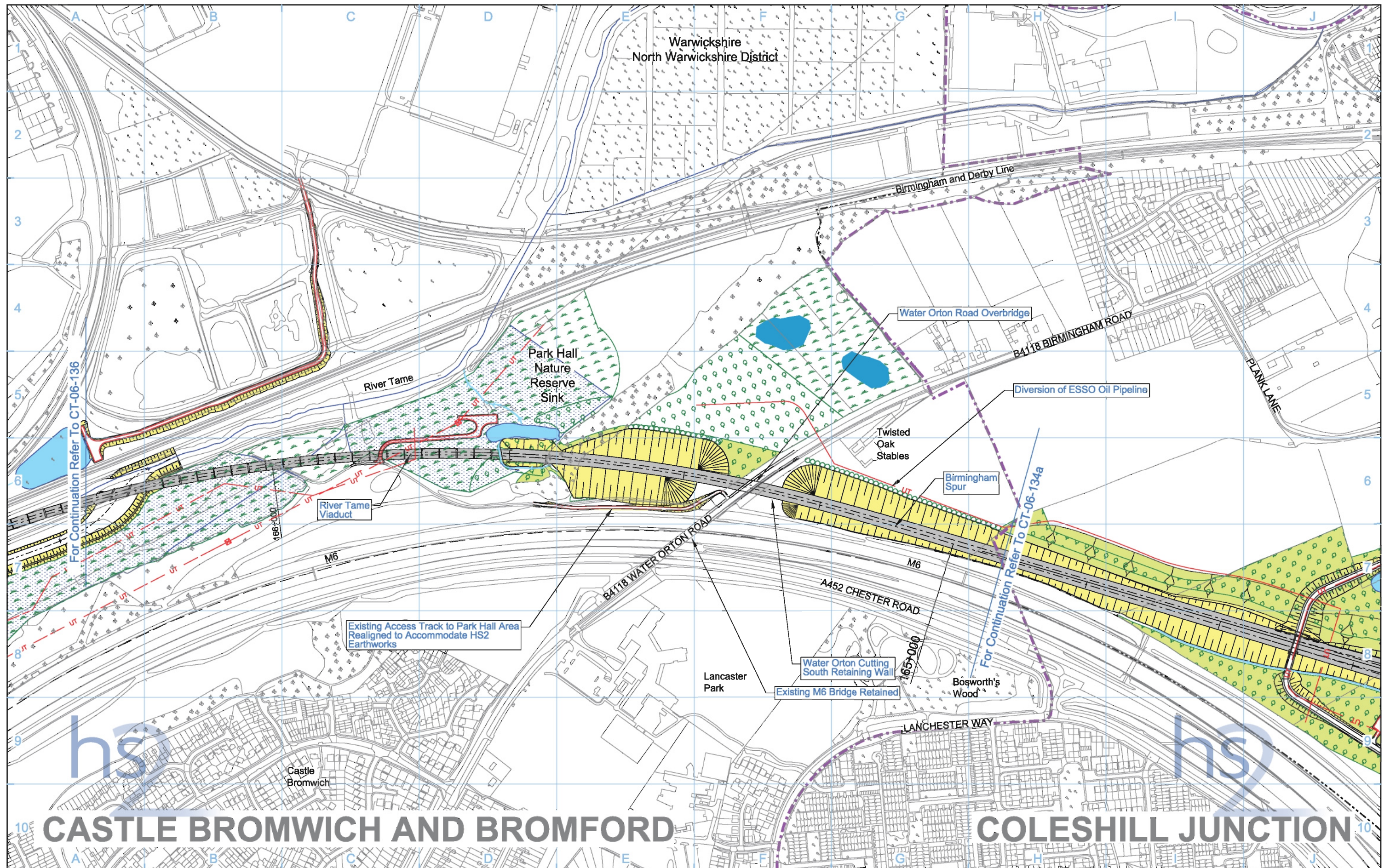
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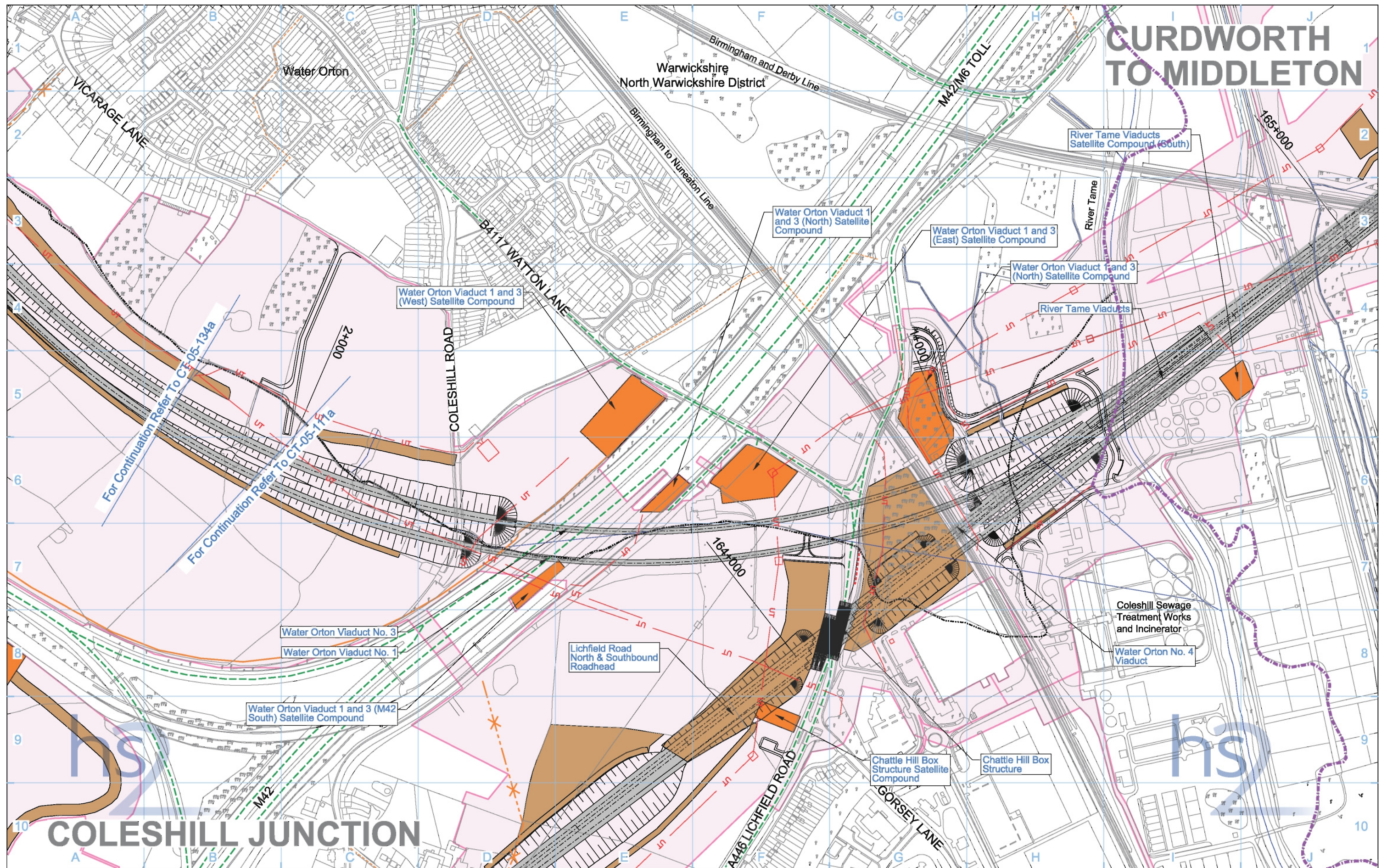
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| | | | | | | | | | | | | | |
|--|--|---|--|--|--|---|--|--|--|--|--|---|--|
| Legend Depot, station, headhouse or portal building Tunnel portal Electricity substation Land drainage area Ecological mitigation pond Balancing pond | | Replacement floodplain storage Woodland habitat creation Wetland habitat creation Grassland habitat creation Landscape mitigation planting (scrub / woodland) Grassed areas Sustainable placement | | Public realm Engineering earthworks Landscape earthworks Rail alignment formation Returned to suitable development use County boundary Borough / District boundary | | Community forum boundary Watercourse diversion Existing watercourse Ditches - new Hedgerow habitat creation Main utility works Existing public right of way (PRoW) New, diverted or realigned PRoW | | Stopped-up PRoW Tunnels external extent Rail alignment HS2 Access road Noise fence barrier Chainage (e.g. 10+000) | | Map Number CT-06-135a Map Name Proposed Scheme Community Forum Area CFA19 Coleshill Junction | | Registered in England. Registration number 06791686 Registered office: Eland House, Bressenden Place, London SW1E 6DU Scale at A3: 1:5,000 Metres © Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190. Doc Number: C223-CSI-EV-DPL-030-626700 P05 Date: 29/10/13 | |
|--|--|---|--|--|--|---|--|--|--|--|--|---|--|



Legend

| | | | |
|--|---|-------------------------------------|---|
| Depot, station, headhouse or portal building | Rail alignment formation | Community forum boundary | Stopped-up PRoW |
| Tunnel portal | Landscape earthworks | Existing watercourse | Temporary PRoW diversion / realignment |
| Main construction compound | Engineering earthworks | Tunnels external extent | Temporary highway diversion / realignment |
| Satellite construction compound | County boundary | Construction traffic route | Main utility works |
| Temporary material stockpile | Borough / District boundary | Existing public right of way (PRoW) | |
| | Land potentially required during construction | New, diverted or realigned PRoW | |

Chainage
(e.g. 10+000)

10+000

----- Rail alignment

Map Number
CT-05-136a

Map Name
Construction Phase

Community Forum Area
CFA19
Colehill Junction

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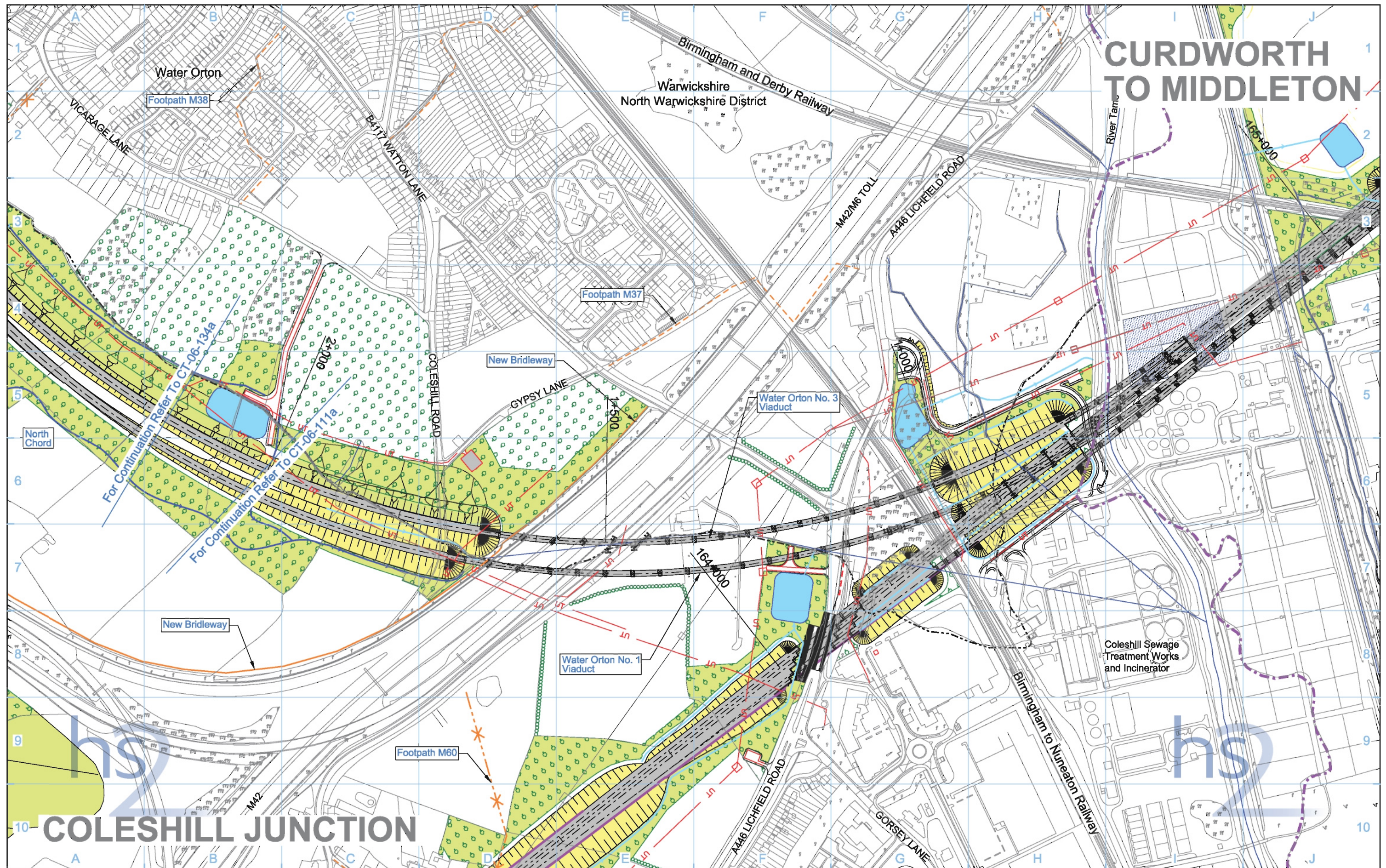
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0 50 100 150 200 250
Metres

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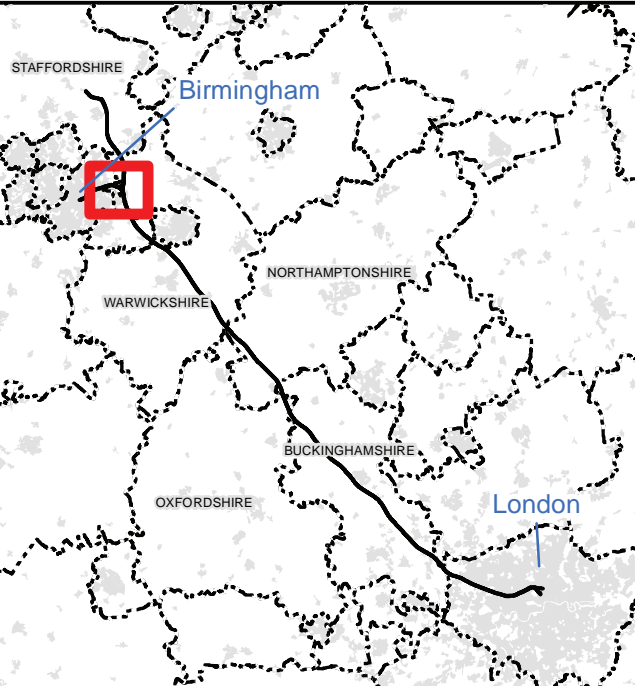
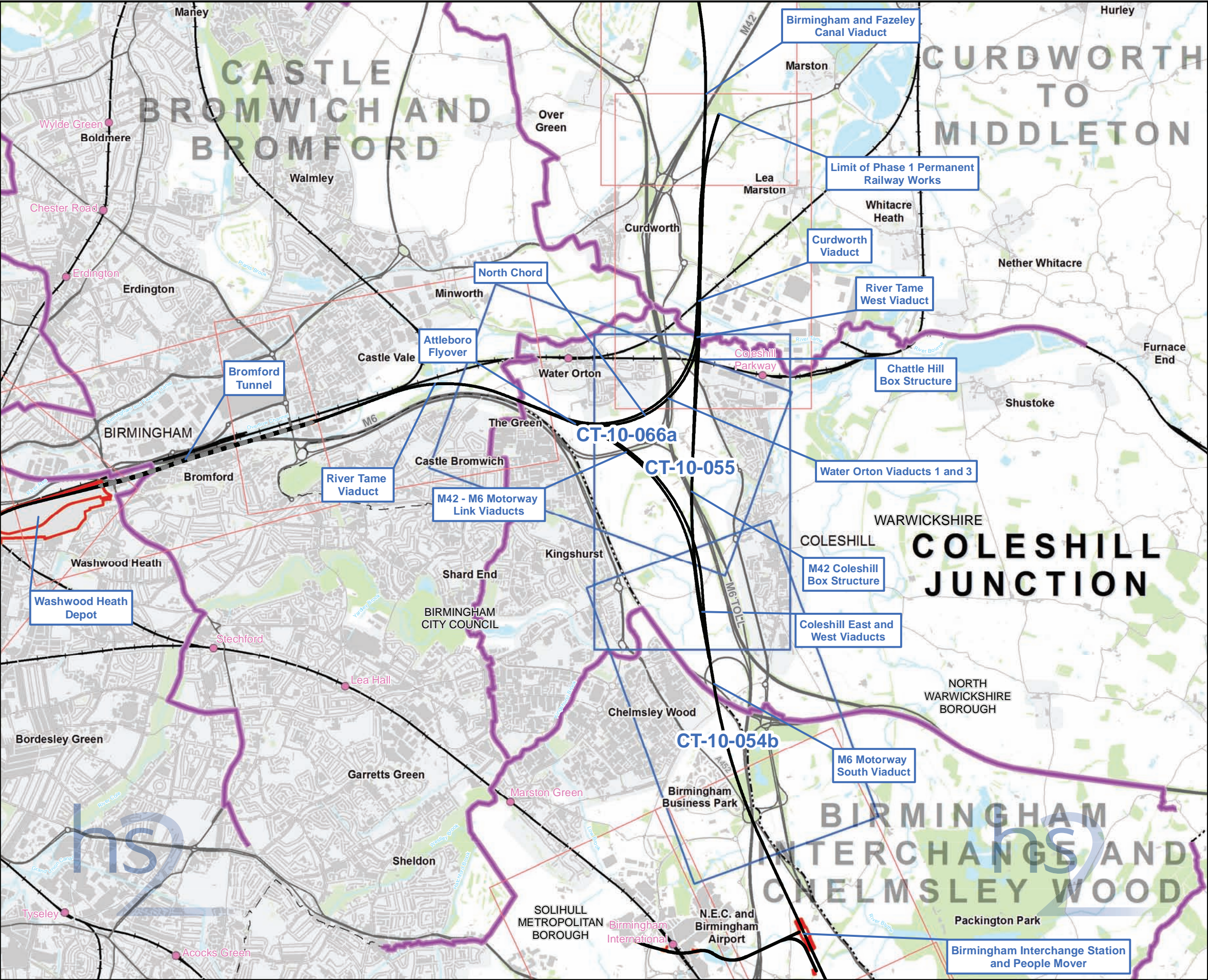


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|---------------|---|--|--|---|--|---|
| Legend | <ul style="list-style-type: none">Replacement floodplain storageWoodland habitat creationWetland habitat creationGrassland habitat creationLandscape mitigation planting (scrub / woodland)Grassed areasSustainable placement | <ul style="list-style-type: none">Public realmEngineering earthworksLandscape earthworksRail alignment formationReturned to suitable development useCounty boundaryBorough / District boundary | <ul style="list-style-type: none">Community forum boundaryWatercourse diversionExisting watercourseDitches - newHedgerow habitat creationMain utility worksExisting public right of way (PRoW)New, diverted or realigned PRoW | <ul style="list-style-type: none">Stopped-up PRoWTunnels external extentRail alignmentHS2 Access roadNoise fence barrierChainage (e.g. 10+000) | <p>Map Number: CT-06-136a</p> <p>Map Name: Proposed Scheme</p> <p>Community Forum Area: CFA19 Coleshill Junction</p> | <p>hs2</p> <p>HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.</p> <p>Registered in England. Registration number 06791688 Registered office: Eland House, Bressenden Place, London SW1E 6DU</p> <p>Scale at A3: 1:5,000</p> <p>0 50 100 150 200 250 Metres</p> <p>© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100048190.</p> <p>Doc Number: C223-CSI-EV-DPL-030-628500 P05 Date: 29/10/13</p> |
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LONDON-WEST MIDLANDS ENVIRONMENTAL STATEMENT

CT-10 – Environmental Baseline




Map Series Information:

The Environmental Baseline maps display a range of environmental data layers.

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 forum boundary
 - Existing railway station
 - County boundary
 - District/Borough boundary
 - Map sheets included in this community forum
 - Map sheets not included in this community forum

| | |
|---|---|
| Map Number | CT-10-INDEX-CFA19 |
| Map Name | Index Map of: Environmental Baseline |
| Community Forum Area CFA19: Coleshill Junction | |




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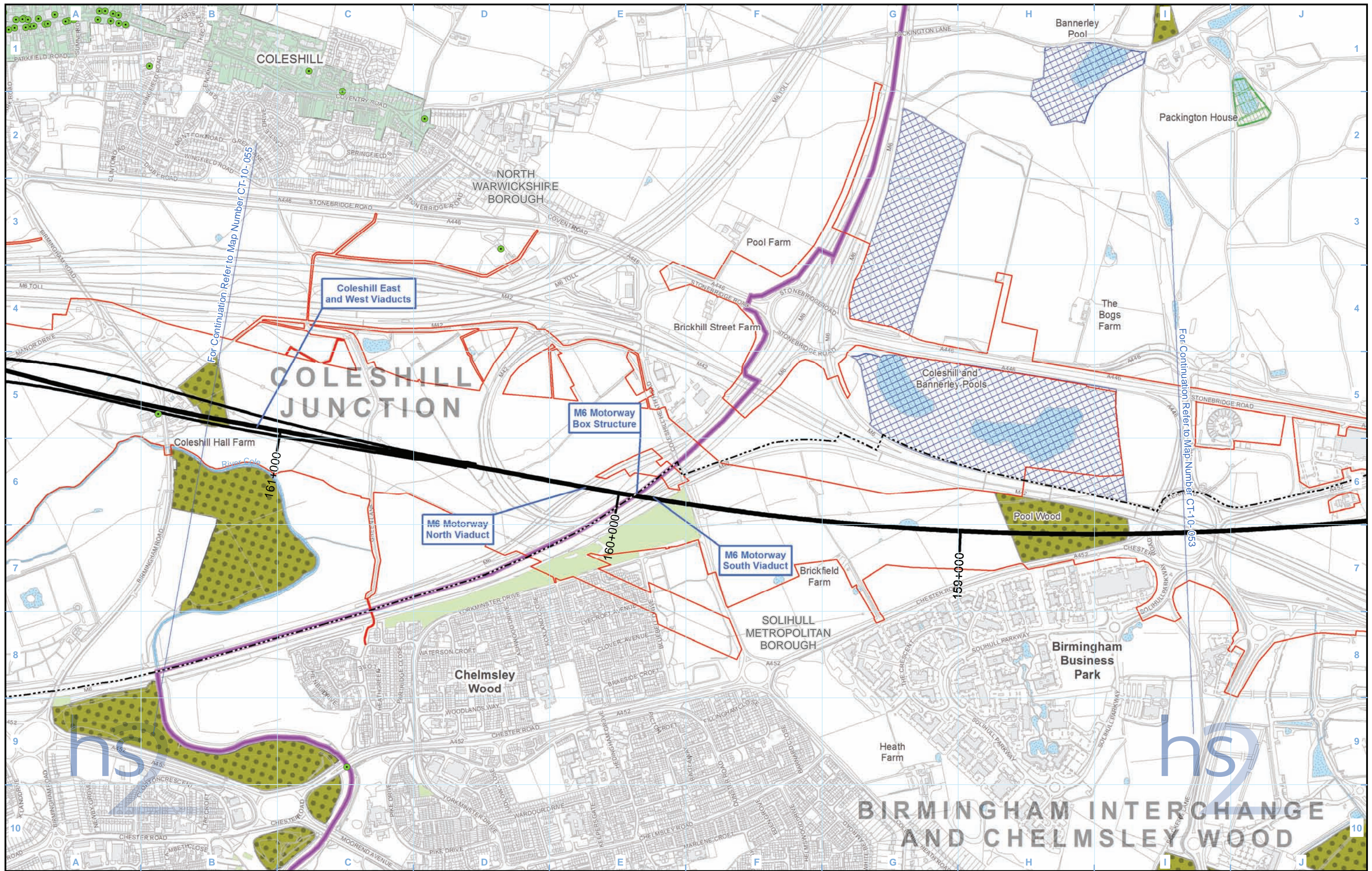


Scale at A3: 1:50,000



0 500 1,000 1,500 2,000
Metres

Date: 25/10/13



Legend

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Land potentially required during construction
- Community forum boundary
- County boundary
- District/Borough boundary
- Watercourse
- Water body
- Woodland
- Conservation area
- Scheduled monument
- Listed building Grade I
- Listed building Grade II*
- Listed building Grade II
- Registered park or garden
- Site of Special Scientific Interest (SSSI)
- National Nature Reserve (NNR)
- Local Nature Reserve (LNR)
- Local Wildlife Site (LWS) - county/metropolitan value
- Local Wildlife Site (LWS) - less than county/metropolitan value
- Ancient woodland

Map Number
CT-10-054b

Map Name
Environmental Baseline

Community Forum Area CFA19:
Coleshill Junction

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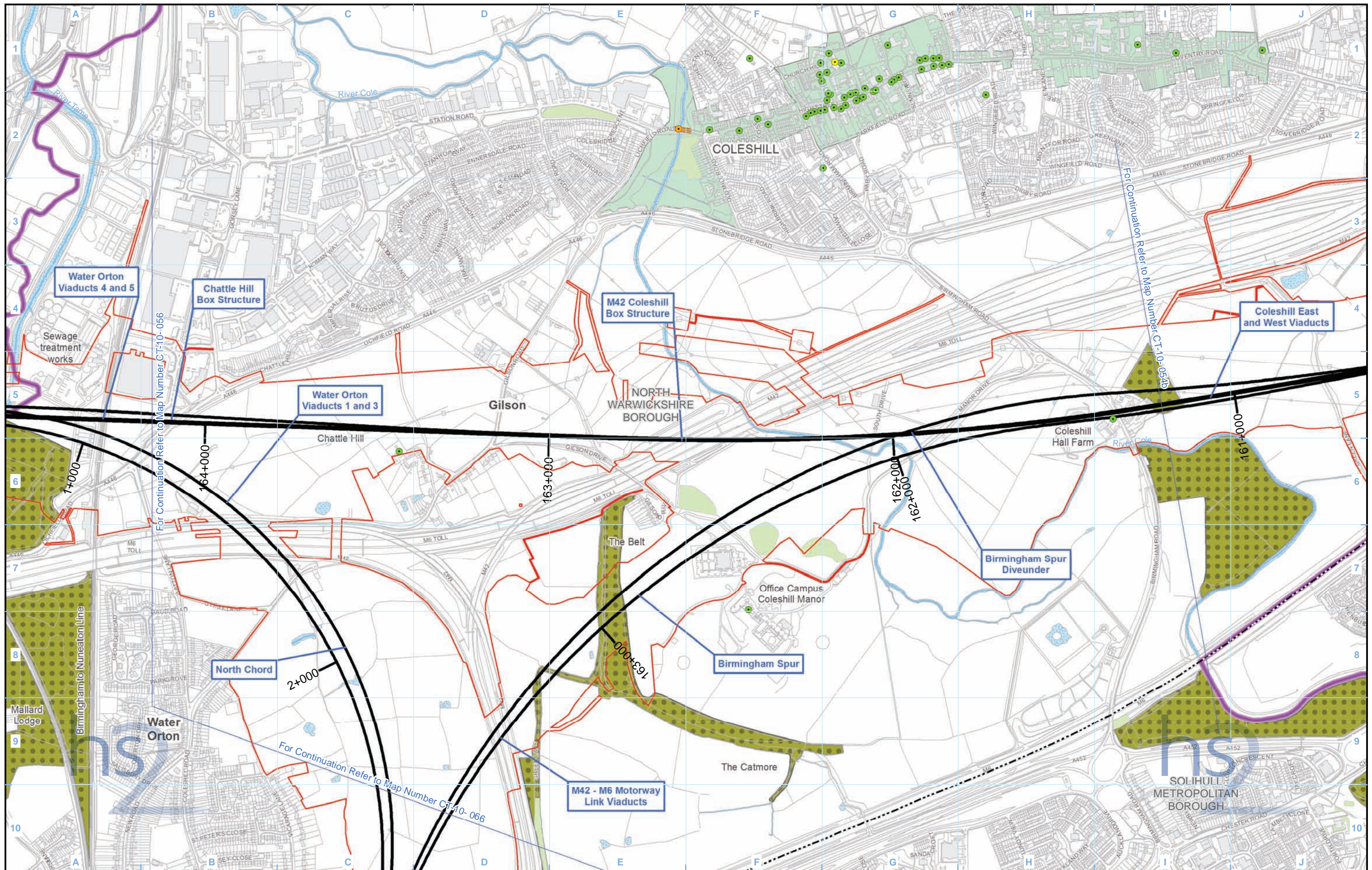
Scale at A3: 1:10,000

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Metres

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Doc Number: C253-ATK-EV-MAP-030-000556-P06.00

Date: 29/10/13



| Legend | | | |
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|---|------------------------|
| Map Number | CT-10-055 |
| Map Name | Environmental Baseline |
| Community Forum Area CFA19: Coleshill Junction | |

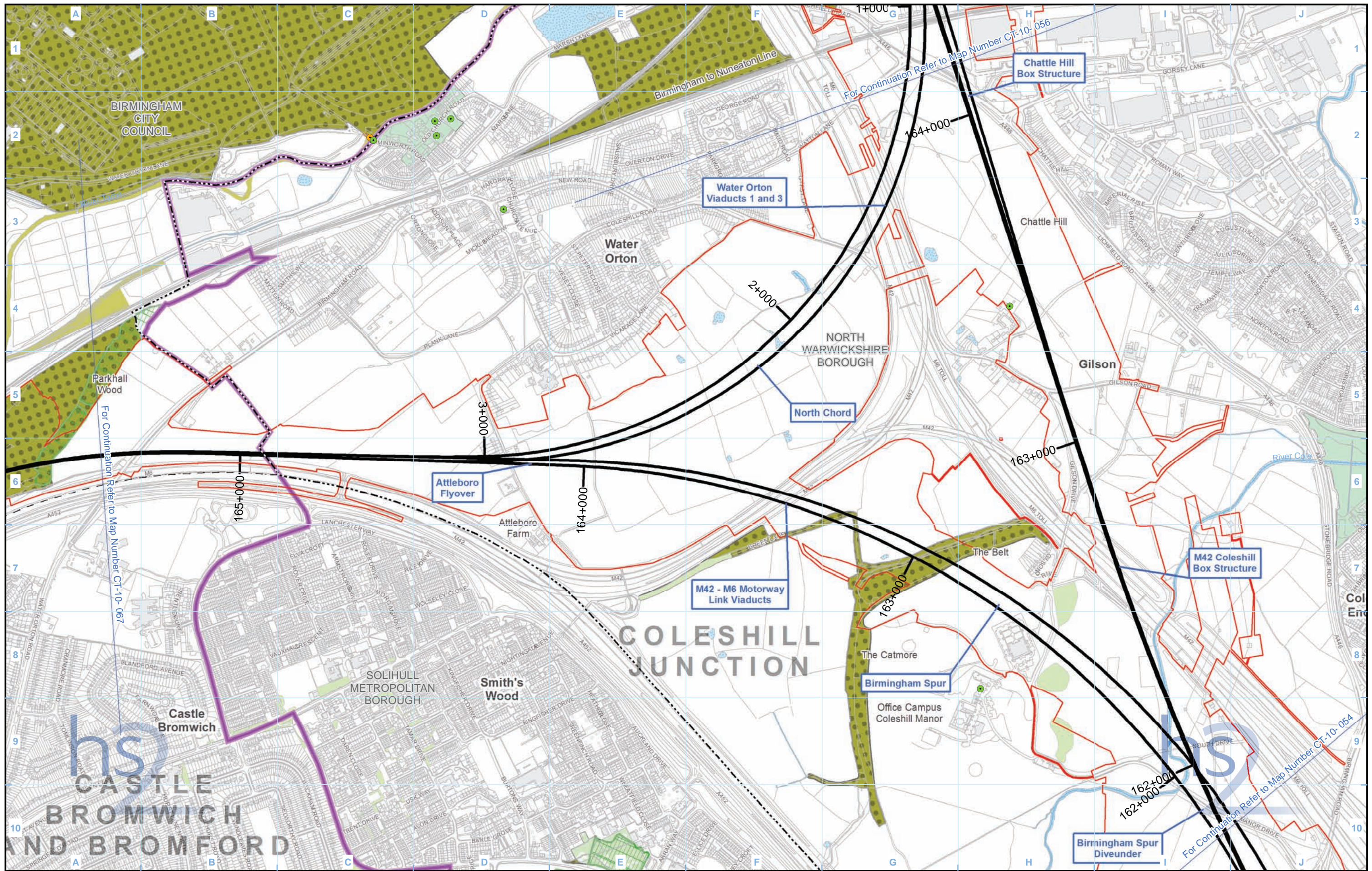
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Scale at A3: 1:10,000

Date: 29/10/13



| Legend | | | |
|---|-------------|---------------------------|---|
| Route in tunnel | Watercourse | Conservation area | Site of Special Scientific Interest (SSSI) |
| Route on surface | Water body | Scheduled monument | National Nature Reserve (NNR) |
| Depot, station, headhouse or portal building | Woodland | Listed building Grade I | Local Nature Reserve (LNR) |
| Land potentially required during construction | | Listed building Grade II* | Local Wildlife Site (LWS) - county/metropolitan value |
| Community forum boundary | | Listed building Grade II | Local Wildlife Site (LWS) - less than county/metropolitan value |
| County boundary | | Registered park or garden | Ancient woodland |
| District/Borough boundary | | | |

| | |
|---|------------------------|
| Map Number | CT-10-066a |
| Map Name | Environmental Baseline |
| Community Forum Area CFA19: Coleshill Junction | |

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Metres

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Doc Number: C253-ATK-EV-MAP-030-000566-P06.00

Date: 29/10/13

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LONDON-WEST MIDLANDS ENVIRONMENTAL STATEMENT

LV-01 - Photomontages

Current baseline (2013)



Operation Year 1 (2026) - Winter verifiable photomontage



| | | | | | | | | | | |
|--|---|---|--|---------------|-----------|-------------|--|---|--|--|
| <p>Technical Information Location: Viewpoint 306-2-002: View west from residences on the B4117 (Coventry Road) Coleshill.</p> <p>Date taken: 13/03/13 Time taken: 08:55 Focal length: 57.296mm</p> <p>Viewpoint location shown on Map LV-04-082. For key plan legend refer to map series LV-04.</p> | <p>This verifiable photomontage provides an illustration of how the Proposed Scheme may look in 2026 (the opening year). The design of the Proposed Scheme may be subject to design development in response to consultation. Design development will not result in any significant adverse change in the environmental effects detailed in the photomontages of the Proposed Scheme. Where new planting is proposed, it has been shown as immature plants which would mature over time to further integrate the Proposed Scheme into the landscape.</p> | <p>Key Plan map showing the location of the viewpoint and the proposed scheme. The map includes labels for Chelmsley Wood, Coleshill, and the A452 road. It also shows the proposed scheme with a green line and arrows indicating the direction of travel.</p> | <table><tr><td>Figure Number</td><td>LV-01-123</td></tr><tr><td>Figure Name</td><td>Verifiable Photomontage Operation Year 1 (2026) - Winter Viewpoint 306-2-002</td></tr><tr><td colspan="2">Community Forum Area CFA19: Coleshill Junction</td></tr></table> | Figure Number | LV-01-123 | Figure Name | Verifiable Photomontage Operation Year 1 (2026) - Winter Viewpoint 306-2-002 | Community Forum Area CFA19: Coleshill Junction | | <div><p>Registered in England. Registration number 06791686. Registered office: Eland House, Bressenden Place, London SW1E 5DU. © Crown copyright and database rights 2012 Ordnance Survey Licence Number 100049190 Doc Number: C250-ARP-EV-PHO-000-001122-P01</p></div> <p>HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in anyway.</p> <p>Date: 17/10/13</p> |
| Figure Number | LV-01-123 | | | | | | | | | |
| Figure Name | Verifiable Photomontage Operation Year 1 (2026) - Winter Viewpoint 306-2-002 | | | | | | | | | |
| Community Forum Area CFA19: Coleshill Junction | | | | | | | | | | |

Current baseline (2013)



Operation Year 1 (2026) - Winter verifiable photomontage





| | | | | | | | | | | |
|--|---|---|---|---------------|-----------|-------------|--|--|---|---|
| <p>Technical Information Location: Viewpoint 310-3-005: View west from PRoW M70 in Coleshill Memorial Park recreation ground.</p> <p>Date taken: 30/01/13 Time taken: 08:22 Focal length: 57.296mm</p> <p>Viewpoint location shown on Map LV-04-083. For key plan legend refer to map series LV-04.</p> | <p>This verifiable photomontage provides an illustration of how the Proposed Scheme may look in 2026 (the opening year). The design of the Proposed Scheme may be subject to design development in response to consultation. Design development will not result in any significant adverse change in the environmental effects detailed in the photomontages of the Proposed Scheme. Where new planting is proposed, it has been shown as immature plants which would mature over time to further integrate the Proposed Scheme into the landscape.</p> |  | <table><tr><td>Figure Number</td><td>LV-01-124</td></tr><tr><td>Figure Name</td><td>Verifiable Photomontage Operation Year 1 (2026) - Winter Viewpoint 310-3-005</td></tr><tr><td></td><td>Community Forum Area CFA19: Coleshill Junction</td></tr></table> | Figure Number | LV-01-124 | Figure Name | Verifiable Photomontage Operation Year 1 (2026) - Winter Viewpoint 310-3-005 | | Community Forum Area CFA19: Coleshill Junction | <div><p>HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in anyway.</p><p><small>Registered in England. Registration number 06791686. Registered office: Eland House, Bressenden Place, London SW1E 5DU. © Crown copyright and database rights 2012 Ordnance Survey Licence Number 100049190</small></p><p>Doc Number: C250-ARP-EV-PHO-000-001123-P01</p></div> <p>Date: 17/10/13</p> |
| Figure Number | LV-01-124 | | | | | | | | | |
| Figure Name | Verifiable Photomontage Operation Year 1 (2026) - Winter Viewpoint 310-3-005 | | | | | | | | | |
| | Community Forum Area CFA19: Coleshill Junction | | | | | | | | | |

Current baseline (2013)



Operation Year 1 (2026) - Winter verifiable photomontage



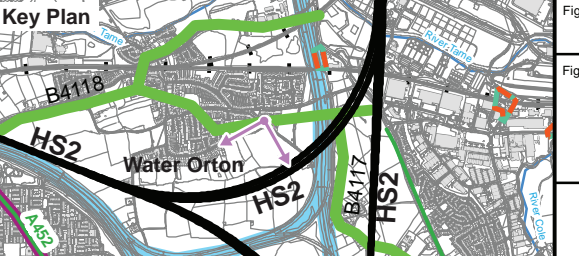
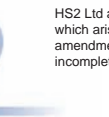
| | | | | | | | | | | |
|---|---|---|---|---------------|-----------|-------------|--|--|---|--|
| <p>Technical Information Location: Viewpoint 311-3-007: View north-east to south-west from PRow M54 crossing M42 at Gilson Drive.</p> <p>Date taken: 15/01/13 Time taken: 15:29 Focal length: 57.296mm</p> <p>Viewpoint location shown on Map LV-04-084a. For key plan legend refer to map series LV-04.</p> | <p>This verifiable photomontage provides an illustration of how the Proposed Scheme may look in 2026 (the opening year). The design of the Proposed Scheme may be subject to design development in response to consultation. Design development will not result in any significant adverse change in the environmental effects detailed in the photomontages of the Proposed Scheme. Where new planting is proposed, it has been shown as immature plants which would mature over time to further integrate the Proposed Scheme into the landscape.</p> |  | <table><tr><td>Figure Number</td><td>LV-01-125</td></tr><tr><td>Figure Name</td><td>Verifiable Photomontage Operation Year 1 (2026) - Winter Viewpoint 311-3-007</td></tr><tr><td></td><td>Community Forum Area CFA19: Coleshill Junction</td></tr></table> | Figure Number | LV-01-125 | Figure Name | Verifiable Photomontage Operation Year 1 (2026) - Winter Viewpoint 311-3-007 | | Community Forum Area CFA19: Coleshill Junction | <div><p>HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in anyway.</p><p><small>Registered in England. Registration number 06791686. Registered office: Eland House, Bressenden Place, London SW1E 5DU. © Crown copyright and database rights 2012 Ordnance Survey Licence Number 100049190 Doc Number: C250-ARP-EV-PHO-000-001124-P01</small></p></div> <p>Date: 15/10/13</p> |
| Figure Number | LV-01-125 | | | | | | | | | |
| Figure Name | Verifiable Photomontage Operation Year 1 (2026) - Winter Viewpoint 311-3-007 | | | | | | | | | |
| | Community Forum Area CFA19: Coleshill Junction | | | | | | | | | |

Current baseline (2013)



Operation Year 1 (2026) - Winter verifiable photomontage




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|--|--|--|--|---|
| <div><div>Technical Information</div><div>Location: Viewpoint 313-2-006: View south from residences along Coleshill Road.</div><div>Date taken: 13/03/13 Time taken: 10:25 Focal length: 57.296mm</div><div>Viewpoint location shown on Map LV-04-084a. For key plan legend refer to map series LV-04.</div></div> | <div><div>This verifiable photomontage provides an illustration of how the Proposed Scheme may look in 2026 (the opening year). The design of the Proposed Scheme may be subject to design development in response to consultation. Design development will not result in any significant adverse change in the environmental effects detailed in the photomontages of the Proposed Scheme. Where new planting is proposed, it has been shown as immature plants which would mature over time to further integrate the Proposed Scheme into the landscape.</div></div> | <div><div><div>Key Plan</div></div></div> | <div><div><div>Figure Number</div><div>LV-01-126</div></div><div><div>Figure Name</div><div>Verifiable Photomontage Operation Year 1 (2026) - Winter Viewpoint 313-2-006</div></div><div><div>Community Forum Area CFA19: Coleshill Junction</div></div></div> | <div><div><div><div></div><div>HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in anyway.</div></div><div><div>Registered in England. Registration number 06791686. Registered office: Eland House, Bressenden Place, London SW1E 5DU. © Crown copyright and database rights 2012 Ordnance Survey Licence Number 100049190 Doc Number: C250-ARP-EV-PHO-000-001125-P01</div><div>Date: 24/10/13</div></div></div></div> |
|--|--|--|--|---|

Current baseline (2013)



Operation Year 1 (2026) - Winter verifiable photomontage



| | | | | | | | | | | |
|--|---|---|---|---------------|-----------|-------------|--|--|---|--|
| <p>Technical Information Location: Viewpoint 314-2-001: View west from residences at junction of Gorsey Way, Chattele Hill, Gorsey Lane and Bromwich Court. Date taken: 13/03/13 Time taken: 10:45 Focal length: 57.296mm</p> <p>Viewpoint location shown on Map LV-04-084a. For key plan legend refer to map series LV-04.</p> | <p>This verifiable photomontage provides an illustration of how the Proposed Scheme may look in 2026 (the opening year). The design of the Proposed Scheme may be subject to design development in response to consultation. Design development will not result in any significant adverse change in the environmental effects detailed in the photomontages of the Proposed Scheme. Where new planting is proposed, it has been shown as immature plants which would mature over time to further integrate the Proposed Scheme into the landscape.</p> |  | <table><tr><td>Figure Number</td><td>LV-01-127</td></tr><tr><td>Figure Name</td><td>Verifiable Photomontage Operation Year 1 (2026) - Winter Viewpoint 314-2-001</td></tr><tr><td></td><td>Community Forum Area CFA19: Coleshill Junction</td></tr></table> | Figure Number | LV-01-127 | Figure Name | Verifiable Photomontage Operation Year 1 (2026) - Winter Viewpoint 314-2-001 | | Community Forum Area CFA19: Coleshill Junction | <div><p>HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in anyway.</p><p><small>Registered in England. Registration number 06791686. Registered office: Eland House, Bressenden Place, London SW1E 5DU. © Crown copyright and database rights 2012 Ordnance Survey Licence Number 100049190 Doc Number: C250-ARP-EV-PHO-000-001126-P01</small></p></div> <p>Date: 17/10/13</p> |
| Figure Number | LV-01-127 | | | | | | | | | |
| Figure Name | Verifiable Photomontage Operation Year 1 (2026) - Winter Viewpoint 314-2-001 | | | | | | | | | |
| | Community Forum Area CFA19: Coleshill Junction | | | | | | | | | |

Current baseline (2013)



Operation Year 1 (2026) - Winter verifiable photomontage



| | | | | | | | | | | |
|---|---|--|--|---------------|-----------|-------------|--|---|--|---|
| <p>Technical Information Location: Viewpoint 315-4-003: View east from Curdworth Bridge, Lichfield Road (A446).</p> <p>Date taken: 13/03/13 Time taken: 12:35 Focal length: 57.296mm</p> <p>Viewpoint location shown on Map LV-04-084a. For key plan legend refer to map series LV-04.</p> | <p>This verifiable photomontage provides an illustration of how the Proposed Scheme may look in 2026 (the opening year). The design of the Proposed Scheme may be subject to design development in response to consultation. Design development will not result in any significant adverse change in the environmental effects detailed in the photomontages of the Proposed Scheme. Where new planting is proposed, it has been shown as immature plants which would mature over time to further integrate the Proposed Scheme into the landscape.</p> | <p>Key Plan map showing the location of the viewpoint and the proposed scheme. The map includes labels for Curdworth, B4118, Water Orton, and HS2.</p> | <table><tr><td>Figure Number</td><td>LV-01-128</td></tr><tr><td>Figure Name</td><td>Verifiable Photomontage Operation Year 1 (2026) - Winter Viewpoint 315-4-003</td></tr><tr><td colspan="2">Community Forum Area CFA19: Coleshill Junction</td></tr></table> | Figure Number | LV-01-128 | Figure Name | Verifiable Photomontage Operation Year 1 (2026) - Winter Viewpoint 315-4-003 | Community Forum Area CFA19: Coleshill Junction | | <p>HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in anyway.</p> <p>Registered in England. Registration number 06791686. Registered office: Eland House, Bressenden Place, London SW1E 5DU. © Crown copyright and database rights 2012 Ordnance Survey Licence Number 100049190 Doc Number: C250-ARP-EV-PHO-000-001127-P01</p> <p>Date: 10/10/13</p> |
| Figure Number | LV-01-128 | | | | | | | | | |
| Figure Name | Verifiable Photomontage Operation Year 1 (2026) - Winter Viewpoint 315-4-003 | | | | | | | | | |
| Community Forum Area CFA19: Coleshill Junction | | | | | | | | | | |

Current baseline (2013)



Peak construction phase - Winter verifiable photomontage



Technical Information

Location: Viewpoint 313-2-006: View south from residences along Coleshill Road.

Date taken: 13/03/13
Time taken: 10:25
Focal length: 57.296mm

Viewpoint location shown on Map LV-03-084a.
For key plan legend refer to map series LV-03.

This verifiable photomontage provides an illustration of how the Proposed Scheme may look during the peak construction phase for this part of the route. The construction methods and siting of construction activities may be subject to change in response to consultation and ongoing design. The extent of land required temporarily to construct the scheme will not extend beyond that shown in the photomontage. Changes in the construction of the Proposed Scheme will not result in any significant adverse change in the environmental effects detailed in the photomontages of the Proposed Scheme.



| | |
|---|--|
| Figure Number | LV-01-202 |
| Figure Name | Verifiable Photomontage Peak construction phase - Winter Viewpoint 313-2-006 |
| Community Forum Area CFA19: Coleshill Junction | |



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Date: 24/10/13

Current baseline (2013)



Operation Year 15 (2041) - Summer verifiable photomontage



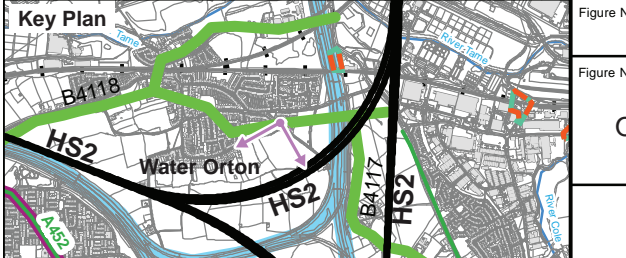

| | | | | | | | | | | |
|---|---|---|--|---------------|-----------|-------------|---|--|---|---|
| <p>Technical Information Location: Viewpoint 311-3-007: View north-east to south-west from PRow M54 crossing M42 at Gilson Drive.</p> <p>Date taken: 18/09/13 Time taken: 17:42 Focal length: 57.296mm</p> <p>Viewpoint location shown on Map LV-04-084a. For key plan legend refer to map series LV-04.</p> | <p>This verifiable photomontage provides an illustration of how the Proposed Scheme may look in 2041 (15 years after opening). The design of the Proposed Scheme may be subject to design development in response to consultation. Design development will not result in any significant adverse change in the environmental effects detailed in the photomontages of the Proposed Scheme. Where new planting is proposed, it has been shown as semi-mature trees which have put on 15 years of growth to illustrate how the Proposed Scheme will further integrate into the landscape over time.</p> |  | <table><tr><td>Figure Number</td><td>LV-01-248</td></tr><tr><td>Figure Name</td><td>Verifiable Photomontage Operation Year 15 (2041) - Summer Viewpoint 311-3-007</td></tr><tr><td></td><td>Community Forum Area CFA19: Coleshill Junction</td></tr></table> | Figure Number | LV-01-248 | Figure Name | Verifiable Photomontage Operation Year 15 (2041) - Summer Viewpoint 311-3-007 | | Community Forum Area CFA19: Coleshill Junction | <div><p>HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in anyway.</p><p><small>Registered in England. Registration number 06791686. Registered office: Eland House, Bressenden Place, London SW1E 5DU. © Crown copyright and database rights 2012 Ordnance Survey Licence Number 100049190</small></p><p>Doc Number: C250-ARP-EV-PHO-000-001205-P01</p></div> <p>Date: 15/10/13</p> |
| Figure Number | LV-01-248 | | | | | | | | | |
| Figure Name | Verifiable Photomontage Operation Year 15 (2041) - Summer Viewpoint 311-3-007 | | | | | | | | | |
| | Community Forum Area CFA19: Coleshill Junction | | | | | | | | | |

Current baseline (2013)



Operation Year 15 (2041) - Summer verifiable photomontage

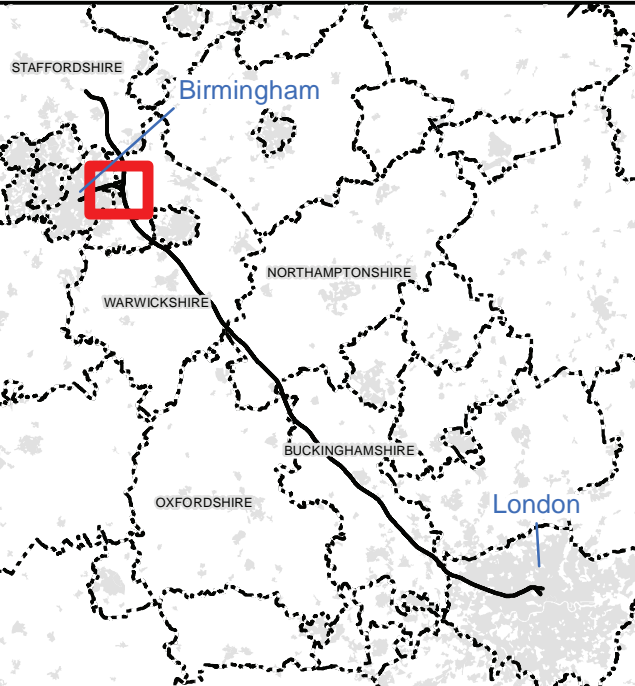
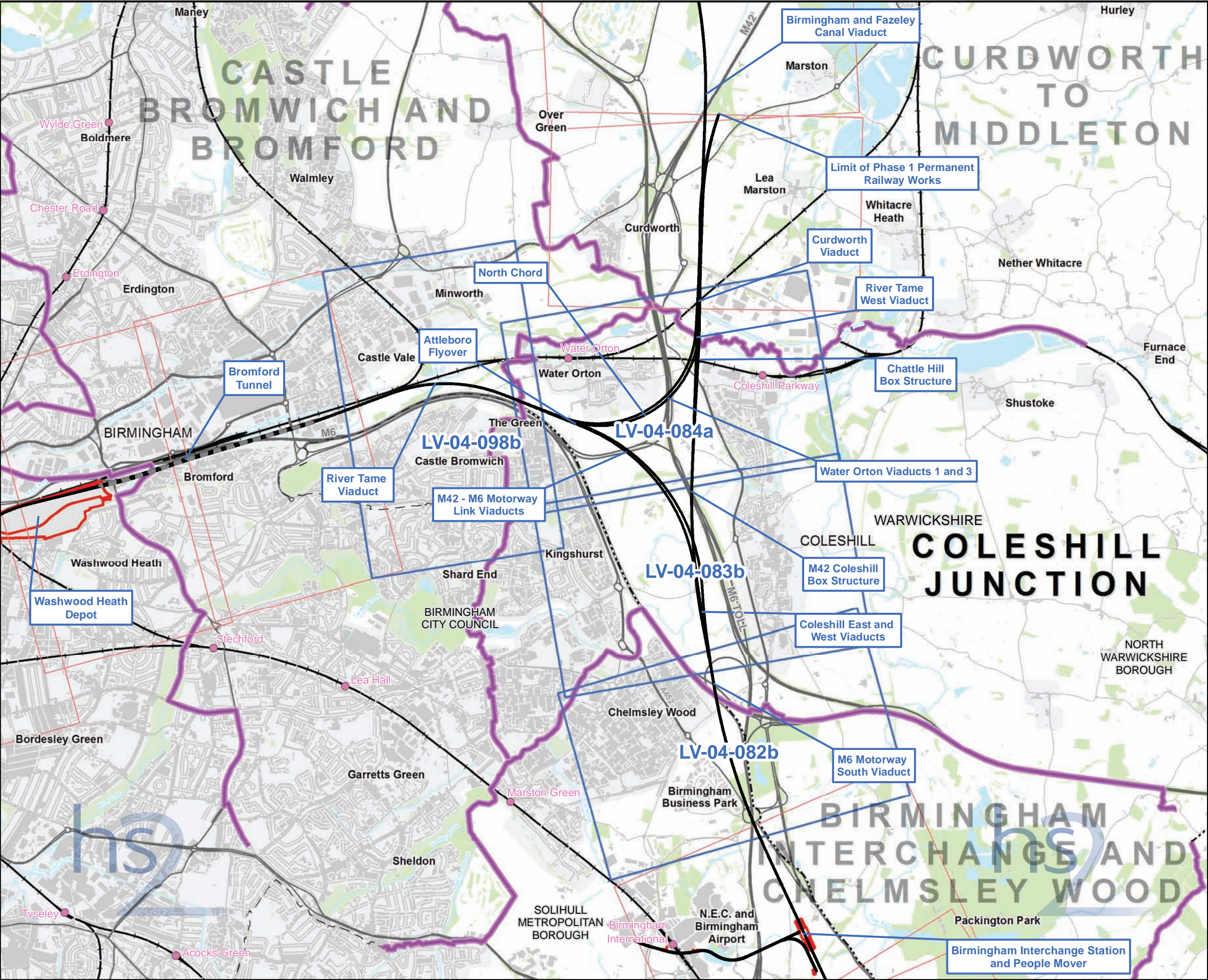


| | | | | | | | | | | |
|--|---|---|--|---------------|-----------|-------------|---|--|---|---|
| <p>Technical Information Location: Viewpoint 313-2-006: View south from residences along Coleshill Road.</p> <p>Date taken: 18/09/13 Time taken: 17:25 Focal length: 57.296mm</p> <p>Viewpoint location shown on Map LV-04-084a. For key plan legend refer to map series LV-04.</p> | <p>This verifiable photomontage provides an illustration of how the Proposed Scheme may look in 2041 (15 years after opening). The design of the Proposed Scheme may be subject to design development in response to consultation. Design development will not result in any significant adverse change in the environmental effects detailed in the photomontages of the Proposed Scheme. Where new planting is proposed, it has been shown as semi-mature trees which have put on 15 years of growth to illustrate how the Proposed Scheme will further integrate into the landscape over time.</p> |  | <table><tr><td>Figure Number</td><td>LV-01-249</td></tr><tr><td>Figure Name</td><td>Verifiable Photomontage Operation Year 15 (2041) - Summer Viewpoint 313-2-006</td></tr><tr><td></td><td>Community Forum Area CFA19: Coleshill Junction</td></tr></table> | Figure Number | LV-01-249 | Figure Name | Verifiable Photomontage Operation Year 15 (2041) - Summer Viewpoint 313-2-006 | | Community Forum Area CFA19: Coleshill Junction | <div><p>HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in anyway.</p><p><small>Registered in England. Registration number 06791686. Registered office: Eland House, Bressenden Place, London SW1E 5DU. © Crown copyright and database rights 2012 Ordnance Survey Licence Number 100049190</small></p><p>Doc Number: C250-ARP-EV-PHO-000-001206-P01</p></div> <p>Date: 24/10/13</p> |
| Figure Number | LV-01-249 | | | | | | | | | |
| Figure Name | Verifiable Photomontage Operation Year 15 (2041) - Summer Viewpoint 313-2-006 | | | | | | | | | |
| | Community Forum Area CFA19: Coleshill Junction | | | | | | | | | |

LONDON-WEST MIDLANDS ENVIRONMENTAL STATEMENT

LV-03 - Construction Phase Significantly Affected Viewpoints

LV-04 - Operational Phase Significantly Affected Viewpoints



Map Series Information:

Maps showing the viewpoint locations from which the Proposed Scheme has been assessed to give rise to significant effects during the operational phase.

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

Map Number LV-04-INDEX-CFA19

Map Name Index Map of:
Operational Phase Significantly
Affected Viewpoints

Community Forum Area CFA19:
Coleshill Junction

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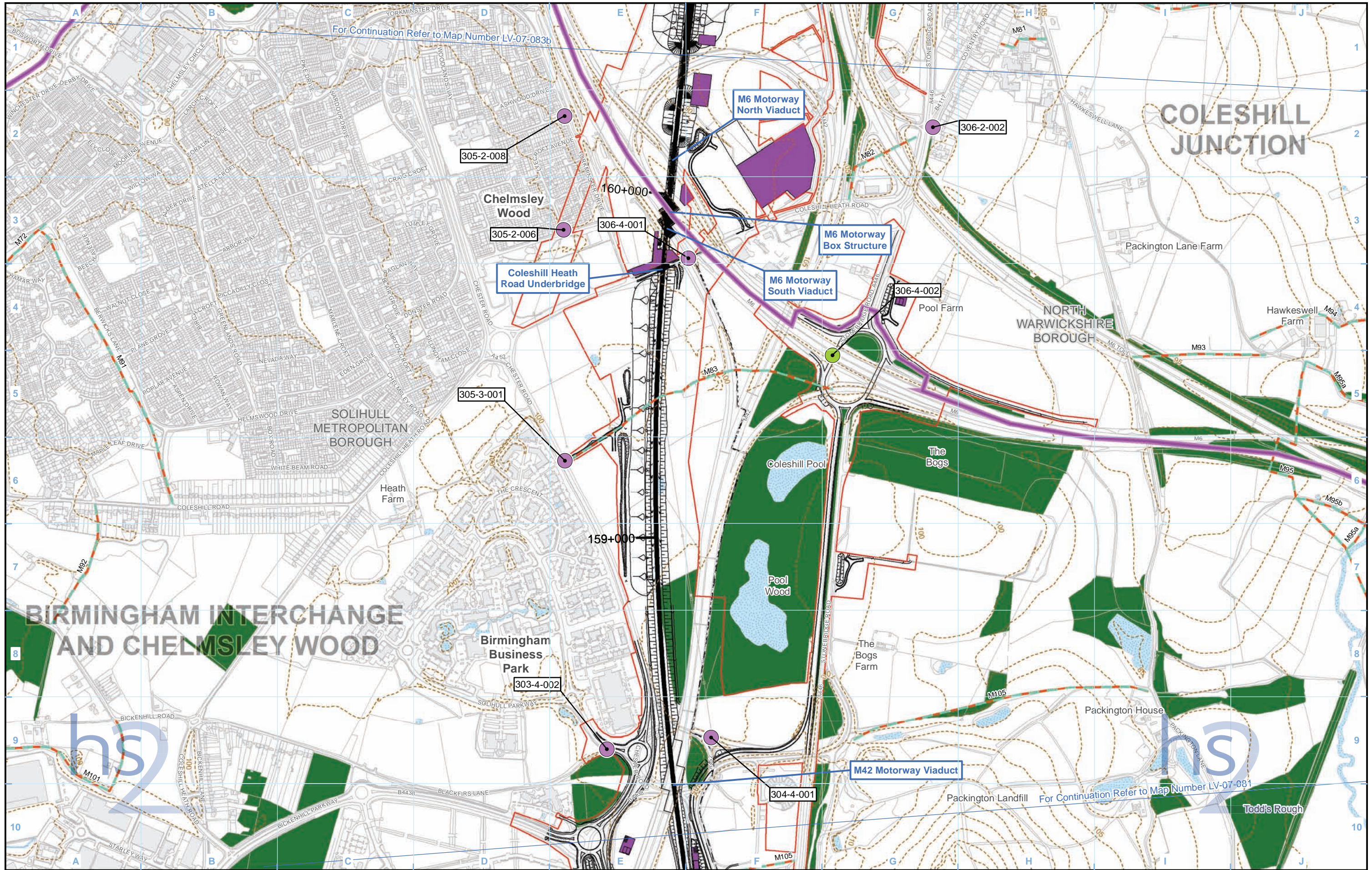
0 500 1,000 1,500 2,000 Metres

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Doc Number: C253-ATK-EV-MAP-030-001273-P06.00

Date: 25/10/13



Legend

Route in tunnel

Route on surface

Depot, station, headhouse or portal building

Land potentially required during construction

Community forum boundary

County boundary

District/Borough boundary

Public Rights of Way

5m contours

Water body

Watercourse

Existing woodland and tree belts

Construction compounds

Significantly affected viewpoint

Photomontage location

Viewpoint number

Engineering earthworks:

Embankment

Cutting

Non engineering earthworks:

Embankment

Cutting

Map Number

LV-03-082b

Map Name

Construction Phase Significantly Affected Viewpoints

Community Forum Area CFA19:

Coleshill Junction

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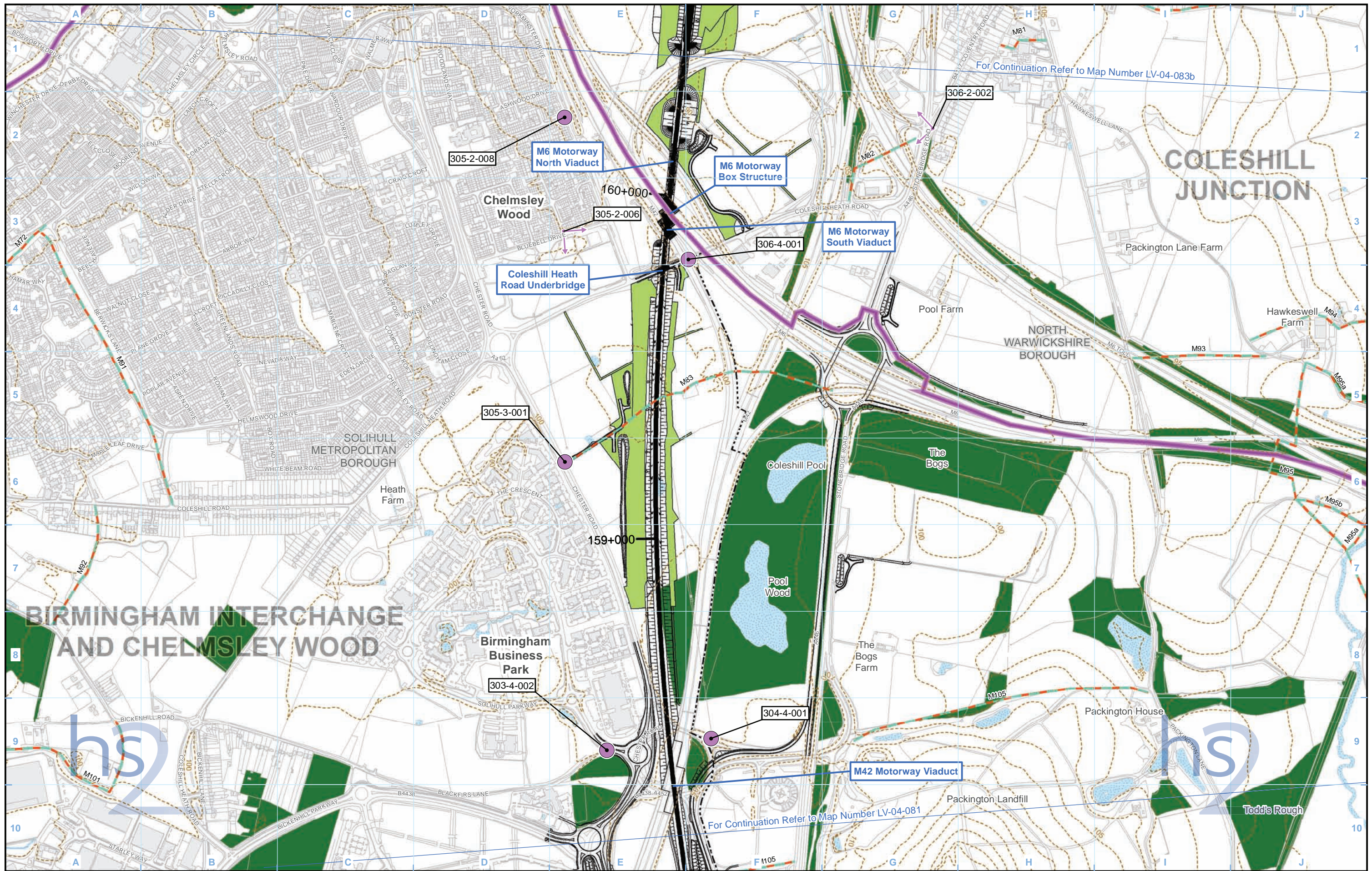
Doc Number: C253-ATK-EV-MAP-030-000764-P06.00

Scale at A3: 1:10,000

0 100 200 300 400
Metres

Date: 29/10/13

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Legend

- Route in tunnel
- Route on surface
- Depot, station, headhouse or portal building
- Community forum boundary
- County boundary
- District/Borough boundary
- Public Rights of Way
- 5m contours
- Water body
- Watercourse
- Existing woodland and tree belts
- Proposed tree planting
- Significantly affected viewpoint
- Photomontage location
- Viewpoint number

Engineering earthworks:

- Embankment
- Cutting

Non engineering earthworks:

- Embankment
- Cutting

Map Number

LV-04-082b

Map Name

Operational Phase Significantly Affected Viewpoints

Community Forum Area CFA19:
Coleshill Junction

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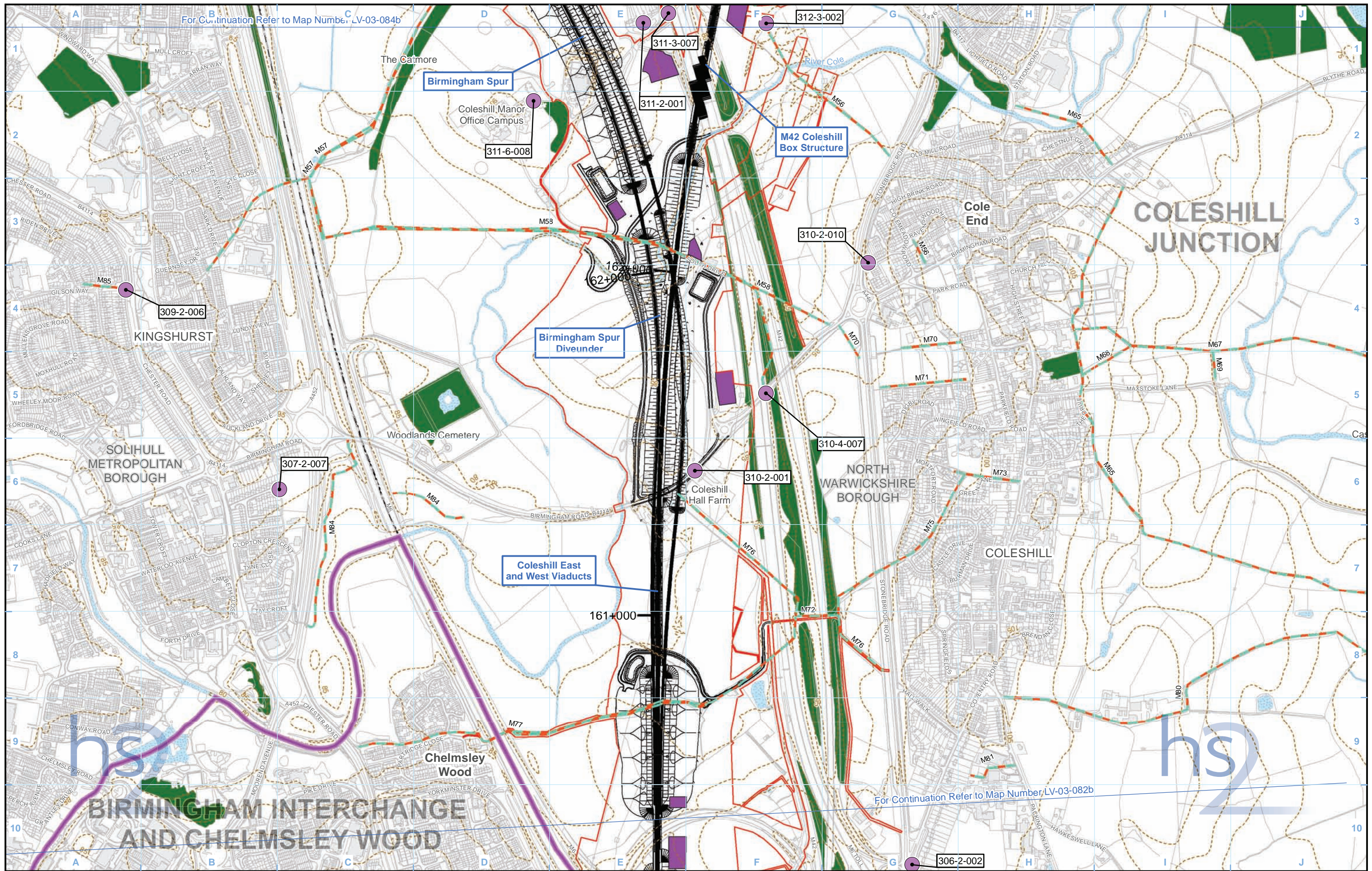
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Doc Number: C253-ATK-EV-MAP-030-000779-P06.00

Scale at A3: 1:10,000

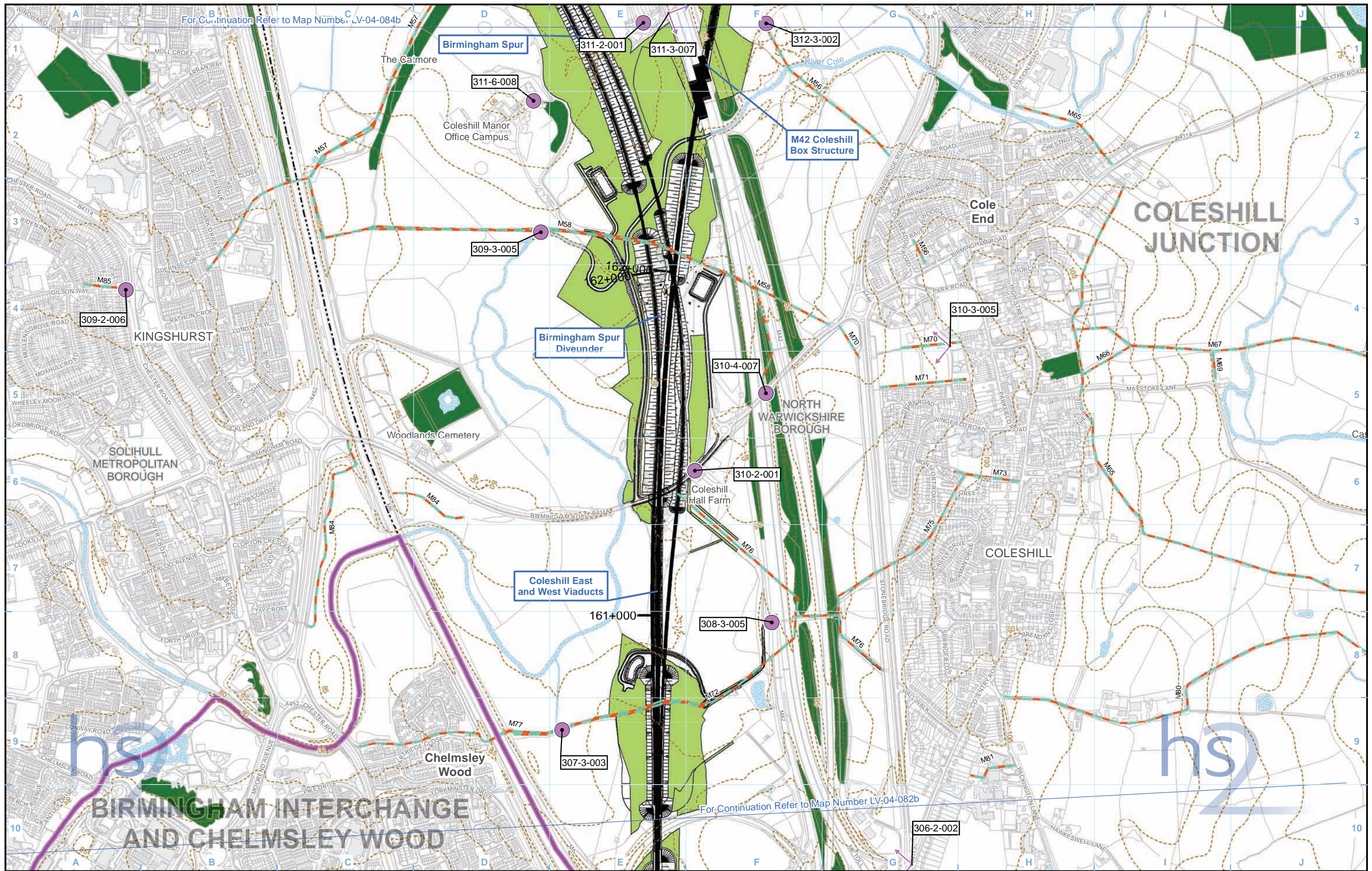
Date: 27/10/13



| | | | |
|--|---|--|--|
| Legend Route in tunnel Route on surface Depot, station, headhouse or portal building Land potentially required during construction Community forum boundary County boundary | District/Borough boundary Public Rights of Way 5m contours Water body Watercourse Existing woodland and tree belts Construction compounds | Significantly affected viewpoint Photomontage location Viewpoint number 001-1-001 | Engineering earthworks: Embankment Cutting Non engineering earthworks: Embankment Cutting |
|--|---|--|--|

| | |
|---|--|
| Map Number LV-03-083b | hs2 HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way. Registered in England. Registration number 06791686. Registered office: Eland House, Bressenden Place, London SW1E 5DU. © Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190. Doc Number: C253-ATK-EV-MAP-030-000765-P06.00 Date: 28/10/13 |
| Map Name Construction Phase Significantly Affected Viewpoints Community Forum Area CFA19: Coleshill Junction | |

Scale at A3: 1:10,000
0 100 200 300 400 Metres



| | | | |
|--|----------------------------------|----------------------------------|-----------------------------|
| Legend | | | |
| Route in tunnel | Public Rights of Way | Significantly affected viewpoint | Engineering earthworks: |
| Route on surface | 5m contours | Photomontage location | Embankment |
| Depot, station, headhouse or portal building | Water body | Viewpoint number | Cutting |
| Community forum boundary | Watercourse | | Non engineering earthworks: |
| County boundary | Existing woodland and tree belts | | Embankment |
| District/Borough boundary | Proposed tree planting | | Cutting |

Map Number: LV-04-083b

Map Name: Operational Phase Significantly Affected Viewpoints

Community Forum Area CFA19: Coleshill Junction

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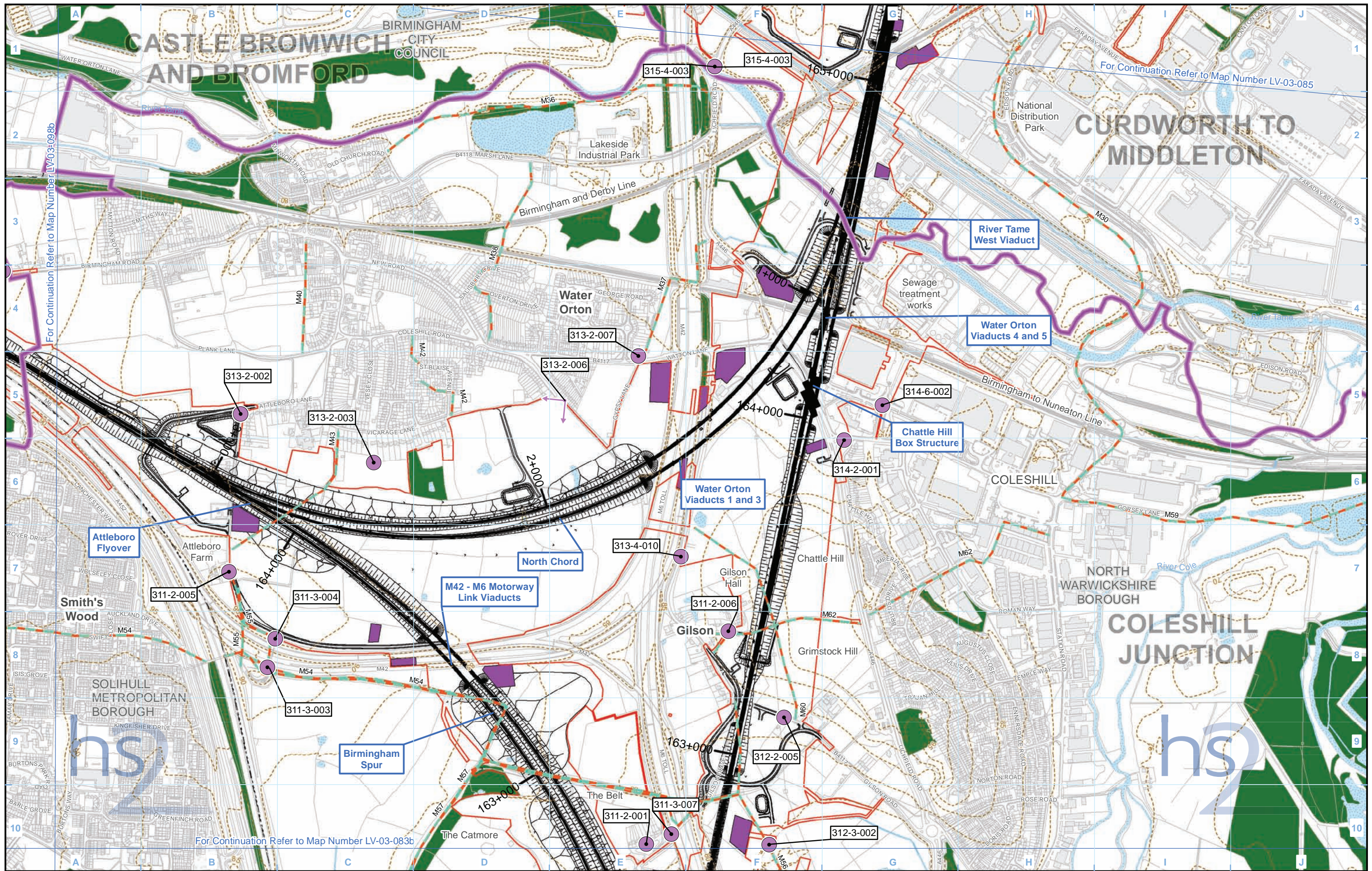
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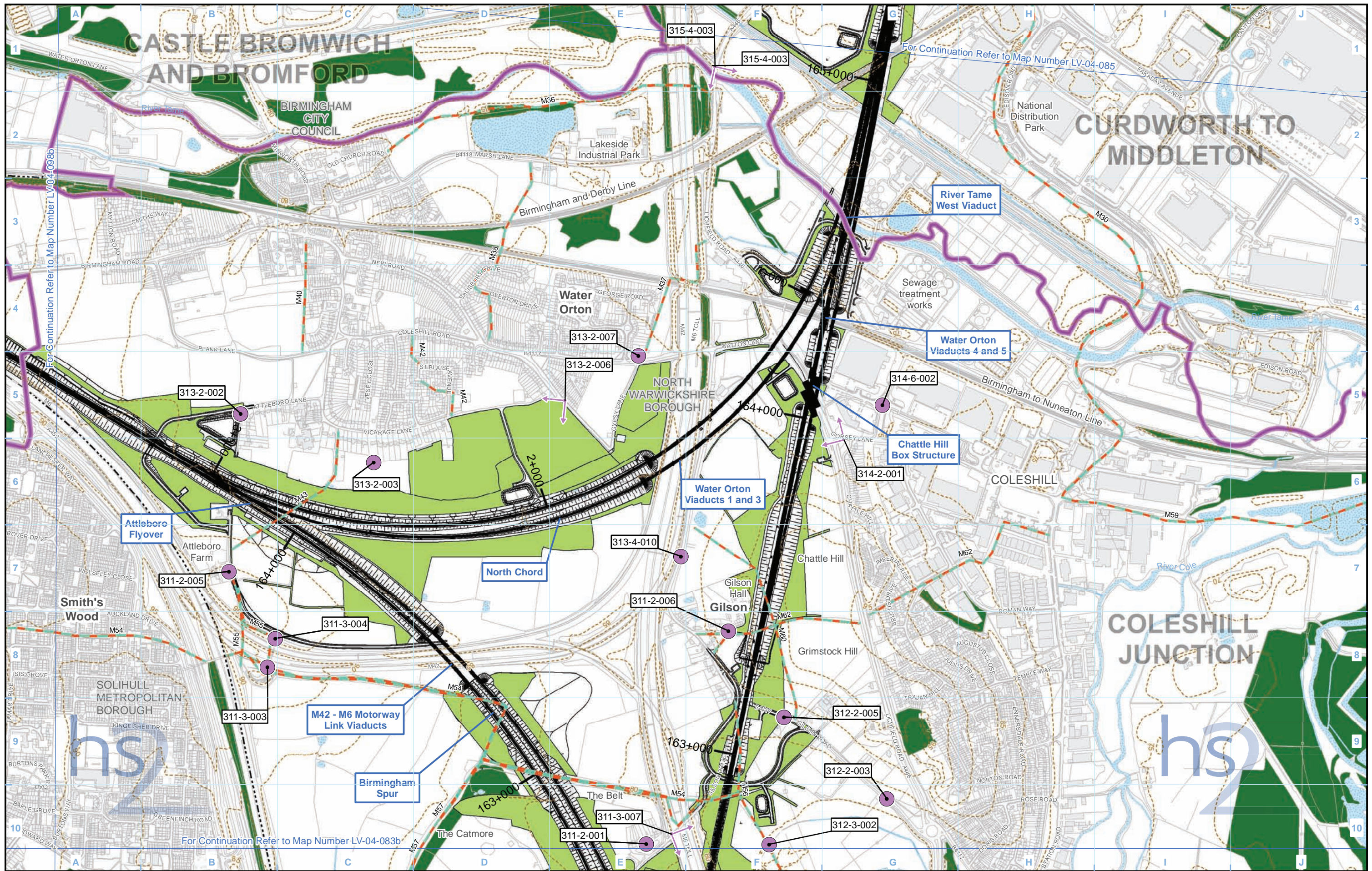
Date: 27/10/13



| | | | |
|--|---|--|--|
| Legend Route in tunnel Route on surface Depot, station, headhouse or portal building Land potentially required during construction Community forum boundary County boundary | District/Borough boundary Public Rights of Way 5m contours Water body Watercourse Existing woodland and tree belts Construction compounds | Significantly affected viewpoint Photomontage location Viewpoint number 001-1-001 | Engineering earthworks: Embankment Cutting Non engineering earthworks: Embankment Cutting |
|--|---|--|--|

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| Map Name Construction Phase Significantly Affected Viewpoints Community Forum Area CFA19: Coleshill Junction | |

Scale at A3: 1:10,000
0 100 200 300 400 Metres



Legend

Route in tunnel

Route on surface

Depot, station, headhouse or portal building

Community forum boundary

County boundary

District/Borough boundary

Public Rights of Way

5m contours

Water body

Watercourse

Existing woodland and tree belts

Proposed tree planting

Significantly affected viewpoint

Photomontage location

Viewpoint number

Engineering earthworks:

Embankment

Cutting

Non engineering earthworks:

Embankment

Cutting

Map Number: LV-04-084a

Map Name: Operational Phase Significantly Affected Viewpoints

Community Forum Area CFA19: Coleshill Junction

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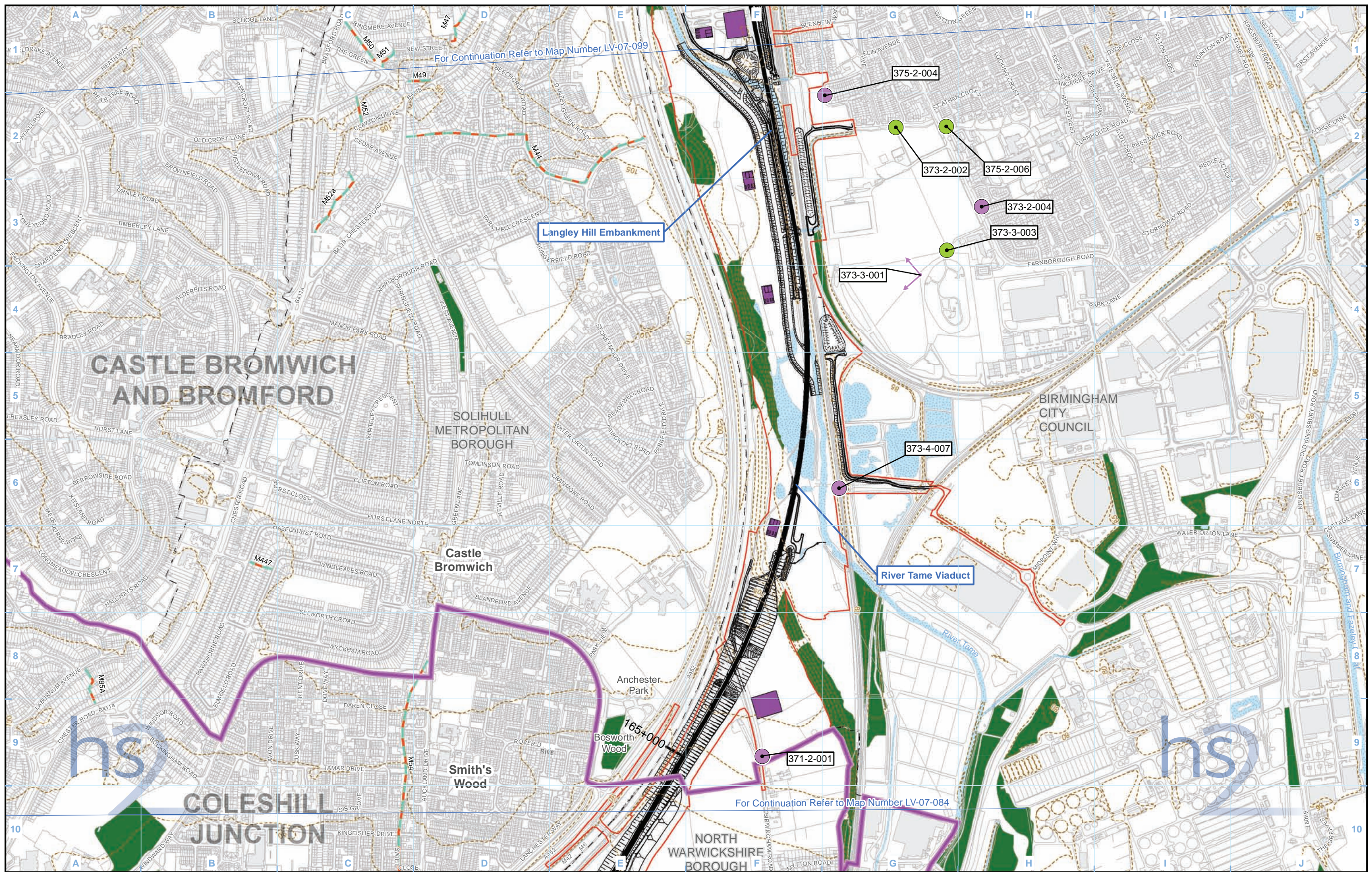
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Doc Number: C253-ATK-EV-MAP-030-000781-P06.00

Date: 27/10/13

Scale at A3: 1:10,000

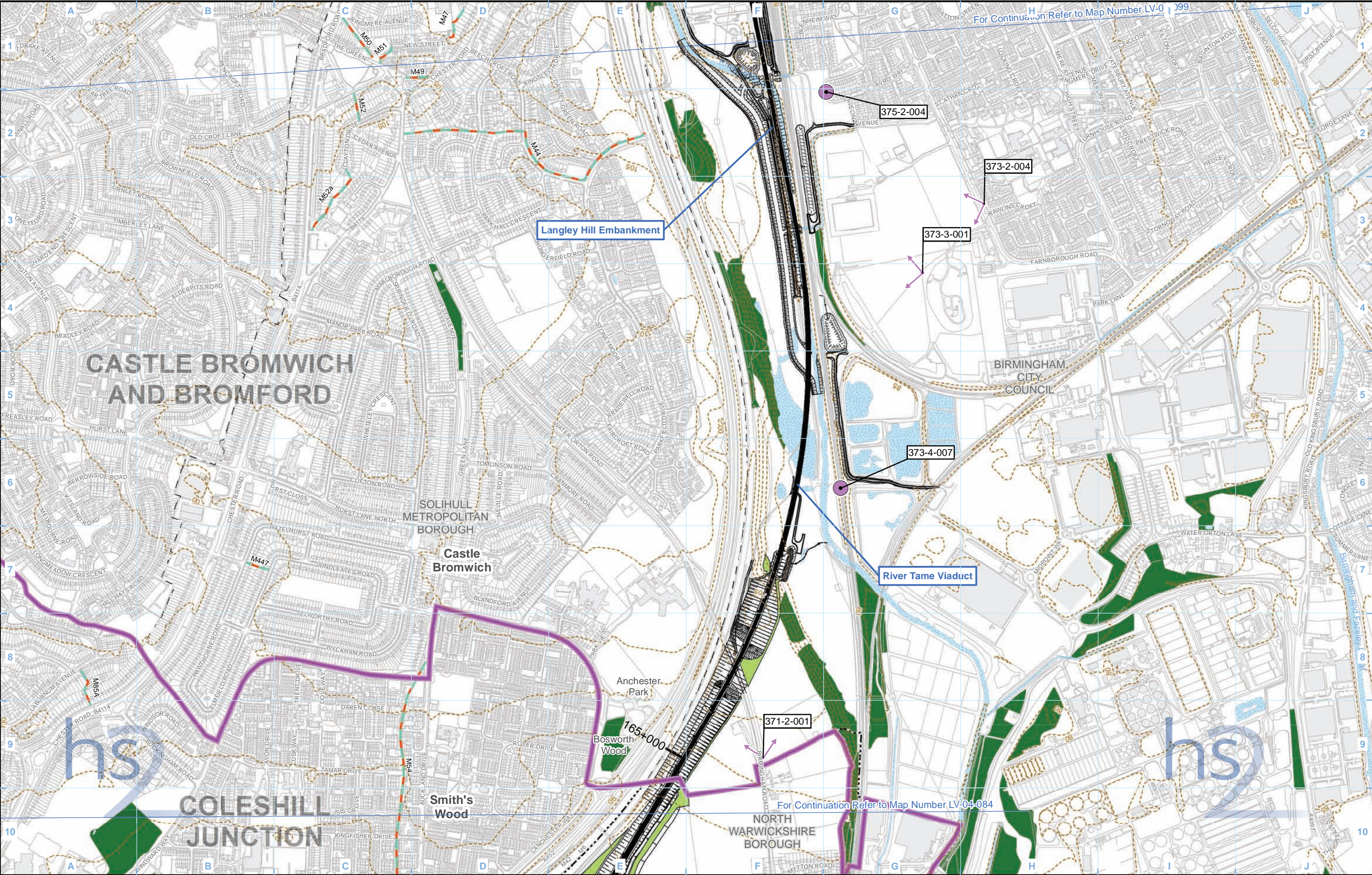
0 100 200 300 400 Metres



| | | | |
|--|---|--|--|
| Legend Route in tunnel Route on surface Depot, station, headhouse or portal building Land potentially required during construction Community forum boundary County boundary | District/Borough boundary Public Rights of Way 5m contours Water body Watercourse Existing woodland and tree belts Construction compounds | Significantly affected viewpoint Photomontage location Viewpoint number 001-1-001 | Engineering earthworks: Embankment Cutting Non engineering earthworks: Embankment Cutting |
|--|---|--|--|

| | |
|---|--|
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| Map Name Construction Phase Significantly Affected Viewpoints Community Forum Area CFA19: Coleshill Junction | |

Scale at A3: 1:10,000
0 100 200 300 400 Metres



Legend

Route in tunnel

Route on surface

Depot, station, headhouse or portal building

Community forum boundary

County boundary

District/Borough boundary

Public Rights of Way

5m contours

Water body

Watercourse

Existing woodland and tree belts

Proposed tree planting

Significantly affected viewpoint

Photomontage location

Viewpoint number

Engineering earthworks:

Embankment

Cutting

Non engineering earthworks:

Embankment

Cutting

Map Number

LV-04-098b

Map Name

Operational Phase Significantly Affected Viewpoints

Community Forum Area CFA19:

Coleshill Junction

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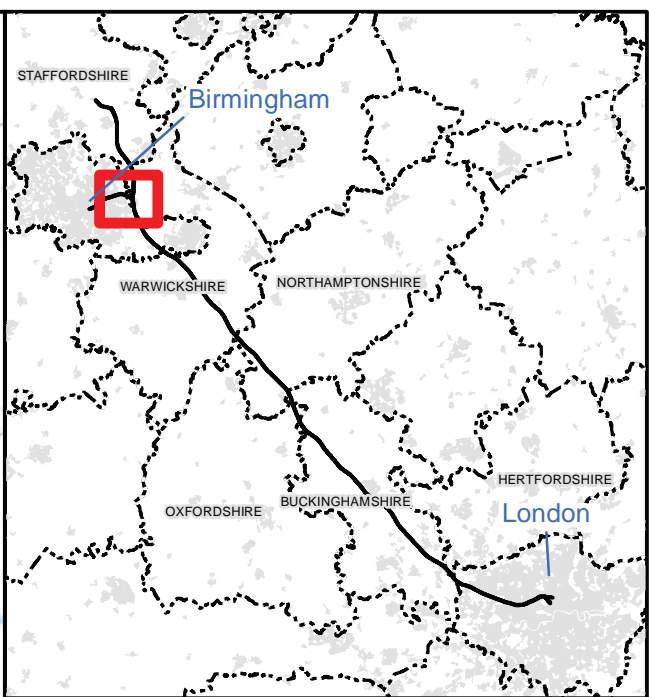
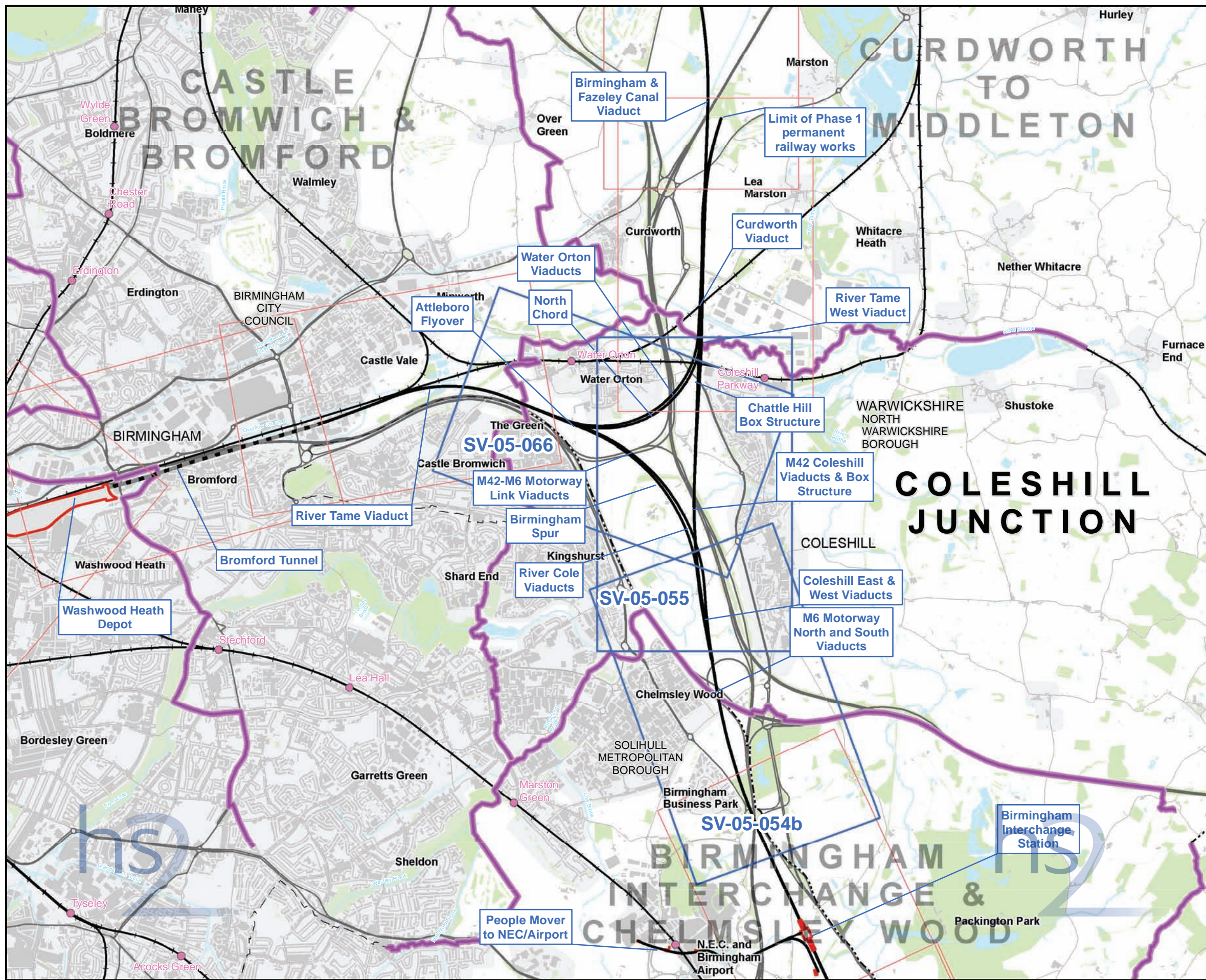
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Date: 27/10/13

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LONDON-WEST MIDLANDS ENVIRONMENTAL STATEMENT

SV-05 - Operational Sound and Vibration Impacts and Likely Significant Effects



Map Series Information:

SV-05 presents the direct operational noise impacts and likely significant effects of the scheme.

The SV-05 figure series necessarily contains a large amount of information relating to the operational noise and vibration assessment. It is designed to communicate visually the assessment process from the prediction of impacts to the determination of likely residual significant effects. The corresponding text is included in Vol2. Key items on the figure series include:

- the Proposed Scheme (the proposed railway alignments and surrounding associated earthworks/roads);
- blue and green lines representing the wayside airborne noise mitigation measures included in the Proposed Scheme;
- the study areas, which indicate the areas within which direct operational sound and vibration impacts of the scheme have been quantitatively assessed;
- the calculated scheme direct impacts, displayed as colour-coded buildings, and symbols representing buildings that would potentially qualify for noise insulation;
- sound contours representing sound produced by the new railway (displayed in a simpler manner than on SV-01 in order not to obscure other features on the figure series); and
- labels indicating where the likely residual direct noise and/or vibration significant effects have been identified.

A more detailed explanation of each legend item included on the figures can be found in the data dictionary.

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

Main Map Legend

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|---|--|
| Map Number | SV-05-INDEX-CFA19 |
| Map Name | Index Map of: Operational Noise and Vibration Impacts and Likely Significant Effects |
| Community Forum Area CFA19: Coleshill Junction | |

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Scale at A3: 1:50,000

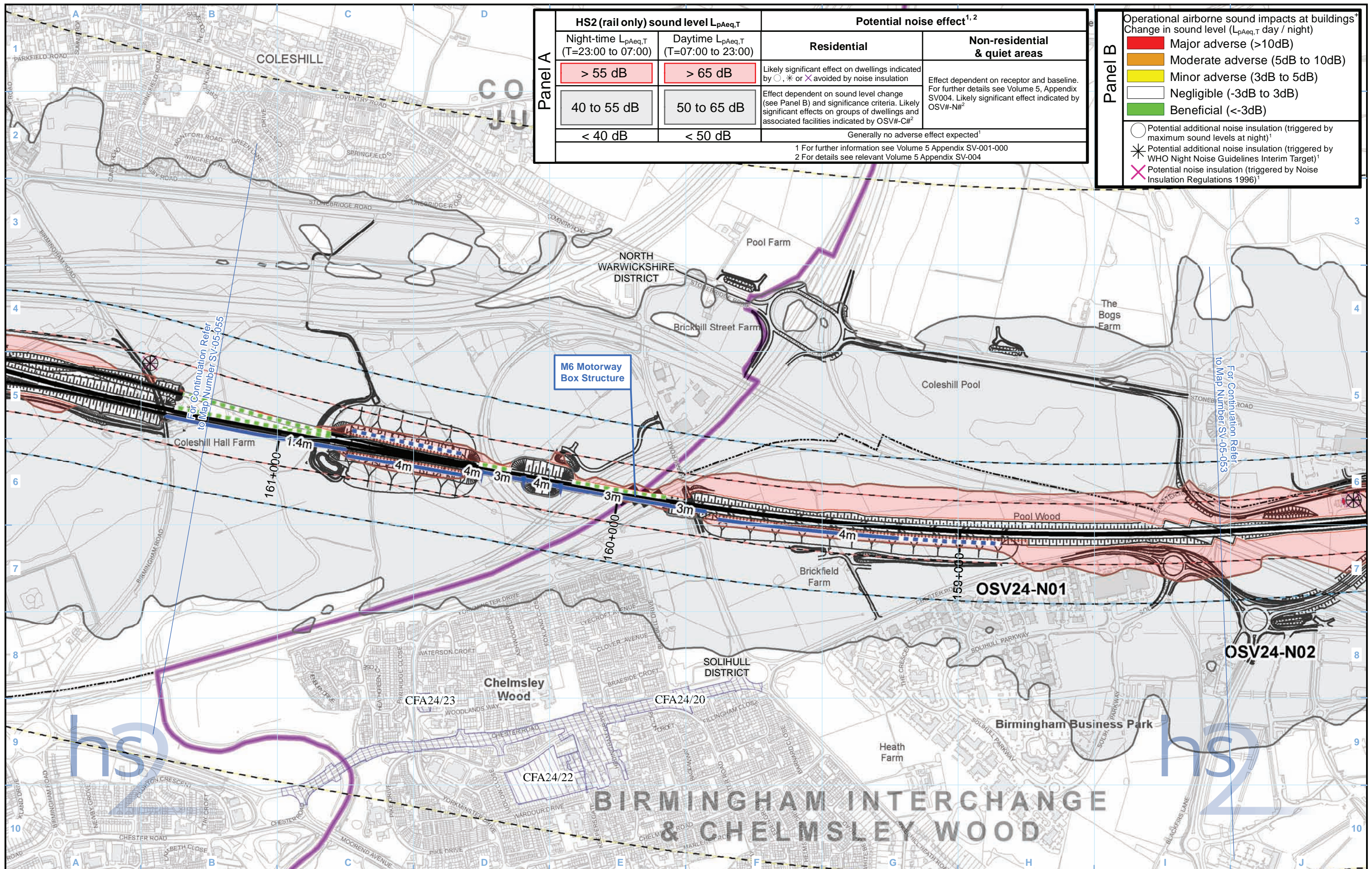
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Doc Number: C250-ARP-EV-MAP-000-004179--P04.00

Date: 29/10/13



| Panel A | HS2 (rail only) sound level $L_{pAeq,T}$ | | Potential noise effect ^{1, 2} | |
|---------|---|--|---|--|
| | Night-time $L_{pAeq,T}$ (T=23:00 to 07:00) | Daytime $L_{pAeq,T}$ (T=07:00 to 23:00) | Residential | Non-residential & quiet areas |
| | > 55 dB | > 65 dB | Likely significant effect on dwellings indicated by ○, ✱ or ✕ avoided by noise insulation | Effect dependent on receptor and baseline. For further details see Volume 5, Appendix SV004. Likely significant effect indicated by OSV#-N# ² |
| | 40 to 55 dB | 50 to 65 dB | Effect dependent on sound level change (see Panel B) and significance criteria. Likely significant effects on groups of dwellings and associated facilities indicated by OSV#-C# ² | |
| | < 40 dB | < 50 dB | Generally no adverse effect expected ¹ | |
| | 1 For further information see Volume 5 Appendix SV-001-000 2 For details see relevant Volume 5 Appendix SV-004 | | | |

Panel B

Operational airborne sound impacts at buildings⁴
Change in sound level ($L_{pAeq,T}$ day / night)

Major adverse (>10dB)

Moderate adverse (5dB to 10dB)

Minor adverse (3dB to 5dB)

Negligible (-3dB to 3dB)

Beneficial (<-3dB)

○ Potential additional noise insulation (triggered by maximum sound levels at night)¹

✱ Potential additional noise insulation (triggered by WHO Night Noise Guidelines Interim Target)¹

✕ Potential noise insulation (triggered by Noise Insulation Regulations 1996)¹

Legend - General features

Route in bored tunnel

Route in green tunnel

Route on surface

Depot, station, headhouse or portal building

Community forum boundary

District/Borough boundary

County boundary

Engineering earthworks:

Embankment

Cutting

Non engineering earthworks:

Embankment

Cutting

* Residential buildings only

* Labelled with total barrier height above rail level

Legend - Sound related features

Committed developments (labelled as CFA#/#)

Envisaged mitigation to avoid / reduce significant noise effects:

Landscaping and/or fence barriers*

Engineering e.g. cuttings (green tunnels separately marked)

Envisaged measures further reducing noise effects:

Other environmental e.g. landscaping

Engineering e.g. cuttings

Airborne sound study area

Ground-borne sound & vibration study area (residential and non-residential)

Ground-borne sound & vibration study area (highly sensitive non-residential)

Minor ground-borne noise or vibration impact*

Map Number

SV-05-054b

Map Name

Operational Noise and Vibration Impacts and Likely Significant Effects

Community Forum Area CFA19:
Coleshill Junction

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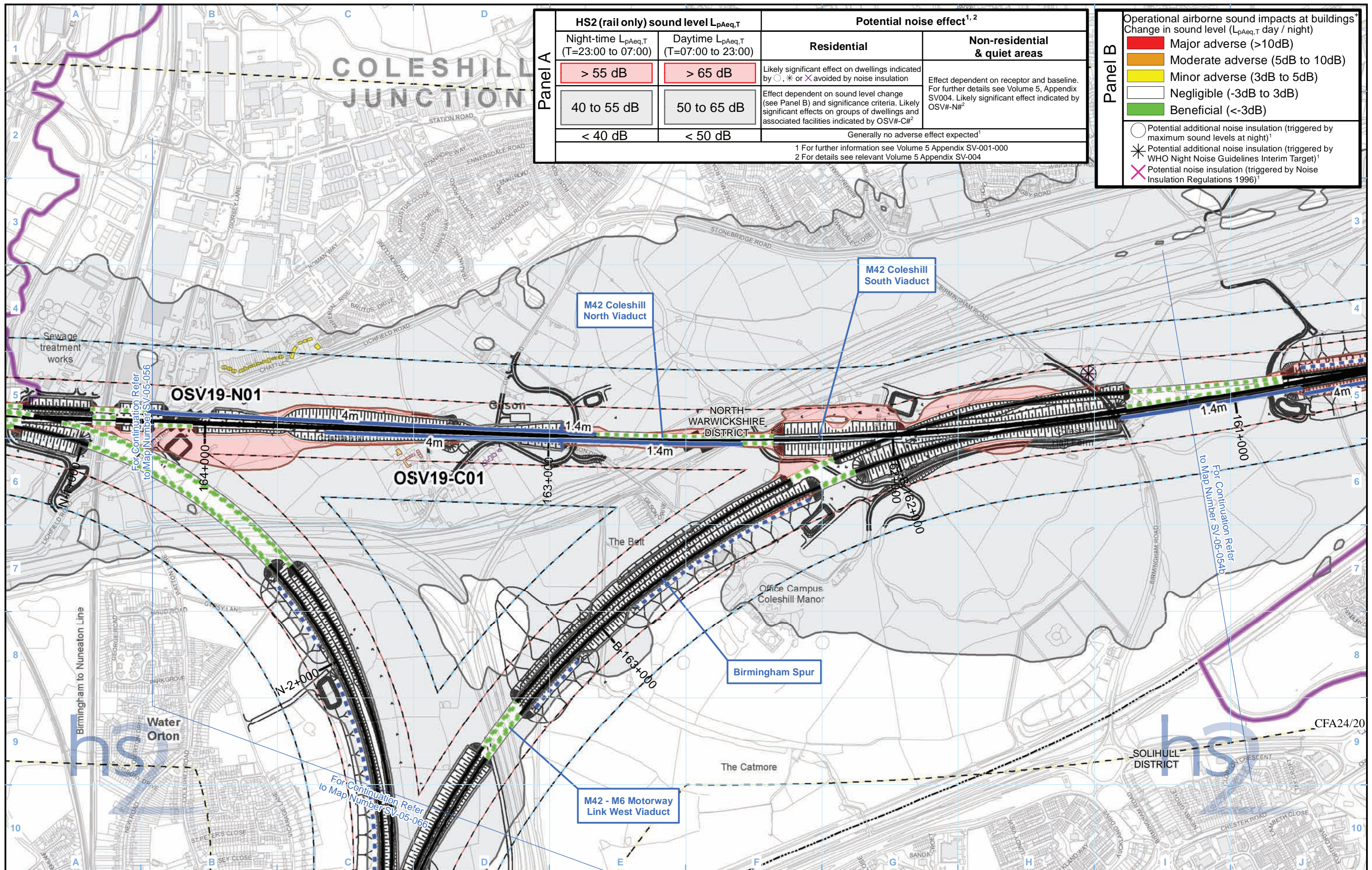
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Doc Number: C250-ARP-EV-MAP-000-004012

Scale at A3: 1:10,000

0 100 200 300 400
Metres

Date: 29/10/13



| Panel A | HS2 (rail only) sound level L _{pAeq,T} | | Potential noise effect ^{1, 2} | |
|---------|---|---|---|--|
| | Night-time L _{pAeq,T} (T=23:00 to 07:00) | Daytime L _{pAeq,T} (T=07:00 to 23:00) | Residential | Non-residential & quiet areas |
| | > 55 dB | > 65 dB | Likely significant effect on dwellings indicated by ○, ✱ or ✕ avoided by noise insulation | Effect dependent on receptor and baseline. For further details see Volume 5, Appendix SV004. Likely significant effect indicated by OSV#-N# ² |
| | 40 to 55 dB | 50 to 65 dB | Effect dependent on sound level change (see Panel B) and significance criteria. Likely significant effects on groups of dwellings and associated facilities indicated by OSV#-C# ² | |
| | < 40 dB | < 50 dB | Generally no adverse effect expected ¹ | |
| | 1 For further information see Volume 5 Appendix SV-001-000 2 For details see relevant Volume 5 Appendix SV-004 | | | |

Panel B

Operational airborne sound impacts at buildings*
Change in sound level (L_{pAeq,T} day / night)

Major adverse (>10dB)

Moderate adverse (5dB to 10dB)

Minor adverse (3dB to 5dB)

Negligible (-3dB to 3dB)

Beneficial (<-3dB)

○

Potential additional noise insulation (triggered by maximum sound levels at night)¹

✱

Potential additional noise insulation (triggered by WHO Night Noise Guidelines Interim Target)¹

✕

Potential noise insulation (triggered by Noise Insulation Regulations 1996)¹

Legend - General features

Route in bored tunnel

Route in green tunnel

Route on surface

Depot, station, headhouse or portal building

Community forum boundary

District/Borough boundary

County boundary

Engineering earthworks:

Embankment

Cutting

* Residential buildings only

* Labelled with total barrier height above rail level

Non engineering earthworks:

Embankment

Cutting

Legend - Sound related features

Committed developments (labelled as CFA#/#)

Envisaged mitigation to avoid / reduce significant noise effects:

Landscaping and/or fence barriers*

Engineering e.g. cuttings (green tunnels separately marked)

Envisaged measures further reducing noise effects:

Other environmental e.g. landscaping

Engineering e.g. cuttings

Airborne sound study area

Ground-borne sound & vibration study area (residential and non-residential)

Ground-borne sound & vibration study area (highly sensitive non-residential)

Minor ground-borne noise or vibration impact*

Map Number

SV-05-055

Map Name

Operational Noise and Vibration Impacts and Likely Significant Effects

Community Forum Area CFA19:
Coleshill Junction

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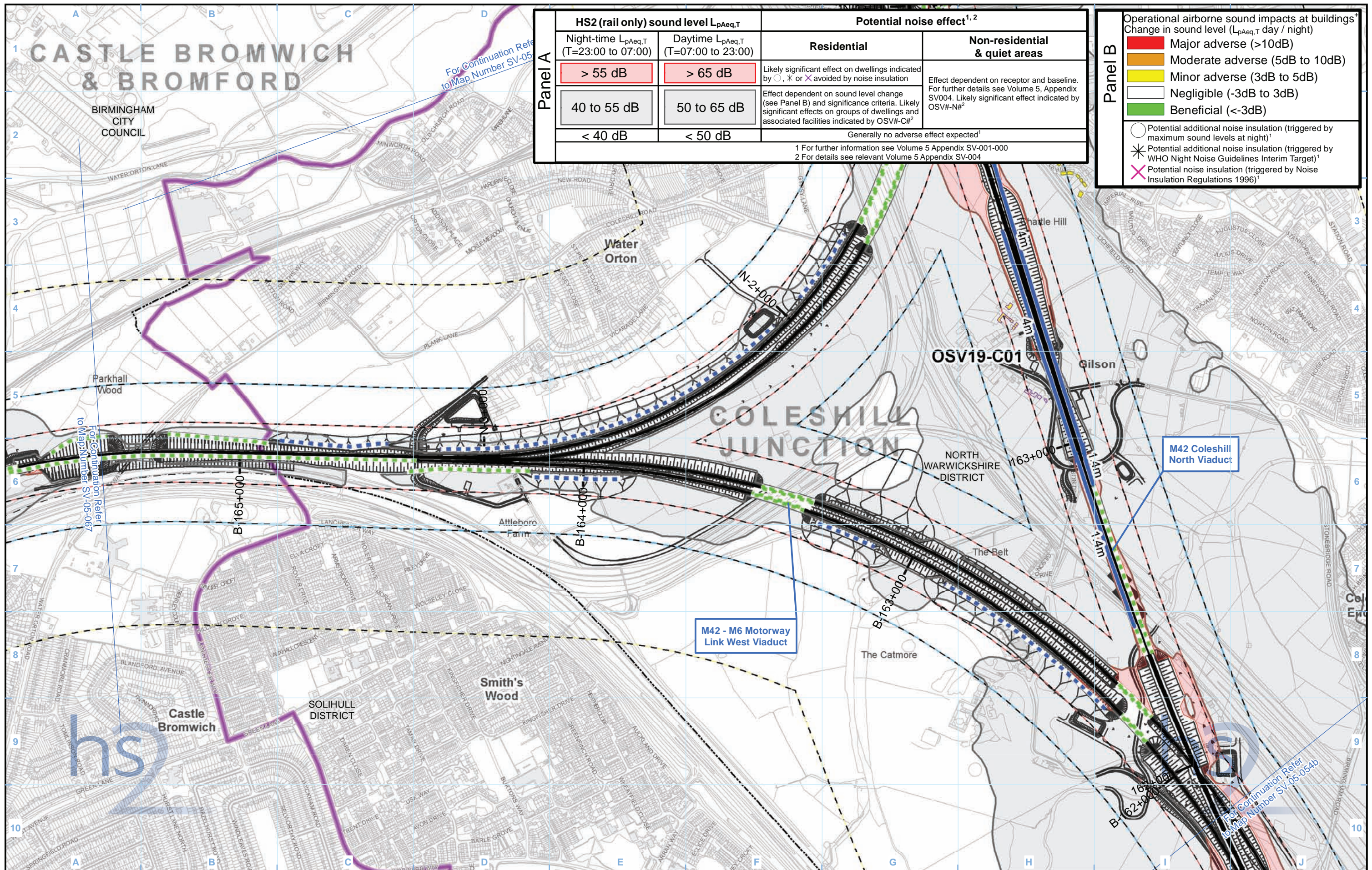
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Doc Number: C250-ARP-EV-MAP-000-004013

Scale at A3: 1:10,000

0 100 200 300 400
Metres

Date: 29/10/13



| Panel A | HS2 (rail only) sound level L _{pAeq,T} | | Potential noise effect ^{1, 2} | |
|---------|---|---|---|--|
| | Night-time L _{pAeq,T} (T=23:00 to 07:00) | Daytime L _{pAeq,T} (T=07:00 to 23:00) | Residential | Non-residential & quiet areas |
| | > 55 dB | > 65 dB | Likely significant effect on dwellings indicated by ○, * or ✕ avoided by noise insulation | Effect dependent on receptor and baseline. For further details see Volume 5, Appendix SV004. Likely significant effect indicated by OSV#-N# ² |
| | 40 to 55 dB | 50 to 65 dB | Effect dependent on sound level change (see Panel B) and significance criteria. Likely significant effects on groups of dwellings and associated facilities indicated by OSV#-C# ² | |
| | < 40 dB | < 50 dB | Generally no adverse effect expected ¹ | |
| | 1 For further information see Volume 5 Appendix SV-001-000 2 For details see relevant Volume 5 Appendix SV-004 | | | |

Panel B

Operational airborne sound impacts at buildings*
Change in sound level (L_{pAeq,T} day / night)

Major adverse (>10dB)

Moderate adverse (5dB to 10dB)

Minor adverse (3dB to 5dB)

Negligible (-3dB to 3dB)

Beneficial (<-3dB)

○

Potential additional noise insulation (triggered by maximum sound levels at night)¹

✱

Potential additional noise insulation (triggered by WHO Night Noise Guidelines Interim Target)¹

✕

Potential noise insulation (triggered by Noise Insulation Regulations 1996)¹

Legend - General features

Route in bored tunnel

Route in green tunnel

Route on surface

Depot, station, headhouse or portal building

Community forum boundary

District/Borough boundary

County boundary

Engineering earthworks:

Embankment

Cutting

Non engineering earthworks:

Embankment

Cutting

* Residential buildings only
* Labelled with total barrier height above rail level

Legend - Sound related features

Committed developments (labelled as CFA#/#)

Envisaged mitigation to avoid / reduce significant noise effects:

Landscaping and/or fence barriers*

Engineering e.g. cuttings (green tunnels separately marked)

Envisaged measures further reducing noise effects:

Other environmental e.g. landscaping

Engineering e.g. cuttings

Airborne sound study area

Ground-borne sound & vibration study area (residential and non-residential)

Ground-borne sound & vibration study area (highly sensitive non-residential)

Minor ground-borne noise or vibration impact*

Map Number

SV-05-066

Map Name

Operational Noise and Vibration Impacts and Likely Significant Effects

Community Forum Area CFA19:
Coleshill Junction

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Date: 29/10/13

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