

HIGH SPEED RAIL (LONDON - WEST MIDLANDS) ADDITIONAL PROVISION

Environmental Statement

Volume 2 | Map books - Part 6 of 6

CFA 23 Balsall Common and Hampton-in-Arden

CFA 24 Birmingham Interchange and Chelmsley Wood

CFA 25 Castle Bromwich and Bromford

CFA 26 Washwood Heath to Curzon Street

September 2014
ES 3.2.6

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September 2014

ES 3.2.6



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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Contents

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Map series name	CT-05 – Construction Phase	CT-06 – Proposed Scheme	LV-01 – Photomontages	LV-03 – Construction Phase Significantly Affected Viewpoints	LV-04 – Operational Phase Significantly Affected Viewpoints	SV-05 – Operational Airborne Noise and Vibration Impacts and Likely Significant Effects
Map series description	<i>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.</i>	<i>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.</i>	<i>Photomontages illustrating the Proposed Scheme during construction and operation.</i>	<i>Maps showing the viewpoint locations from which the Proposed Scheme has been assessed to give rise to significant effects during the construction phase.</i>	<i>Maps showing the viewpoint locations from which the Proposed Scheme has been assessed to give rise to significant effects during the operational phase.</i>	<i>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.</i>
Community Forum Area name						
CFA 23 – Balsall Common and Hampton-in-Arden	✓	✗	✗	✗	✗	✗
CFA 24 – Birmingham Interchange and Chelmsley Wood	✓	✓	✗	✗	✗	✗
CFA 25 – Castle Bromwich and Bromford	✓	✓	✗	✗	✗	✗
CFA 26 – Washwood Heath to Curzon Street	✓	✓	✗	✗	✗	✗

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 Additional Provision Environmental Statement (AP ES) contain Ordnance Survey (OS) data. HS2 Ltd use the most up to date mapping available, where possible, supplied by the OS and as such, we cannot be held responsible for any inaccuracies within this data.

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Chainage

Most of the maps presented as part of the AP 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. E.g. 77+000 or 158+500.

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 scales, chainage is shown at 1km intervals.

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

Map sheet layout

Each map in volume 2 is presented twice, with the main ES map on the left hand page and the AP map on the right. For the CT-05 and CT-06 map series, the AP map is annotated with a red cloud which highlights the area of change. A red outlined text box provides a brief description of the AP, and gives the AP reference number. Only maps which have been amended as a result of the AP are included within the map books.

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

Map orientation

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

The exception to this, are map series LV-03 and LV-04, which present the alignment running from bottom to top of the page. This is to allow more of the modelled outputs to be shown at the appropriate map scale. In this instance, the direction of travel to London would be to the bottom of the page, and the West Midlands to the top.

Map books

In total there are seven map books which make up the AP ES, spread across volumes 2 and 5. A list of the titles is provided below for reference.

Volume number	Title
Volume 2 Map book – Part 1 of 6	CFA 07 Colne Valley CFA 09 Central Chilterns CFA 10 Dunsmore, Wendover and Halton
Volume 2 Map book – Part 2 of 6	CFA 11 Stoke Mandeville and Aylesbury
Volume 2 Map book – Part 3 of 6	CFA 12 Waddesdon and Quainton CFA 13 Calvert, Steeple Claydon, Twyford and Chetwode CFA 14 Newton Purcell to Brackley CFA 15 Greatworth to Lower Boddington
Volume 2 Map book – Part 4 of 6	CFA 16 Ladbroke and Southam CFA 17 Offchurch and Cubbington CFA 18 Stoneleigh, Kenilworth and Burton Green
Volume 2 Map book – Part 5 of 6	CFA 19 Coleshill Junction CFA 20 Curdworth to Middleton CFA 21 Drayton Bassett, Hints and Weeford CFA 22 Whittington to Handsacre
Volume 2 Map book – Part 6 of 6	CFA 23 Balsall Common and Hampton-in-Arden CFA 24 Birmingham Interchange and Chelmsley Wood CFA 25 Castle Bromwich and Bromford CFA 26 Washwood Heath to Curzon Street
Volume 5 Map Book	Environmental topics

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HIGH SPEED RAIL (LONDON - WEST MIDLANDS) ADDITIONAL PROVISION

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Data dictionary and definitions

September 2014

Data dictionary and definitions

Legend features	Definition	Source	Copyright
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	
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 2014 Ordnance Survey Licence Number 100049190.
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 2014 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 2014 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	
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.
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	
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	

Legend features	Definition	Source	Copyright
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	
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	
Main construction compound	Main 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	
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	
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	<p>Public rights of way are highways which can be used for the following purposes:</p> <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. <p>Definitive Map data supplied by surveying authorities (i.e. county councils, London Boroughs and metropolitan borough councils in the West Midlands).</p>	<p>Buckinghamshire County Council Birmingham City Council 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</p>	<p>© Crown Copyright and database rights 2014 Ordnance Survey Licence Number 100049190.</p> <p>This map is based upon Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary 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>

Legend features	Definition	Source	Copyright
		Warwickshire County Council	
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, lineside access paths and cable routes for electrification and communication systems.	High Speed Two (HS2) Ltd	
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	
Stopped-up PRow	Public rights of way that will be closed due to construction of the scheme.	High Speed Two (HS2) Ltd	
Sustainable placement	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 diversion / realignment	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	
Tunnels external extent	The external excavated extent of each tunnel bore.	High Speed Two (HS2) Ltd	
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	

Legend features	Definition	Source	Copyright
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	

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HIGH SPEED RAIL (LONDON - WEST MIDLANDS) ADDITIONAL PROVISION

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Volume 2 | CFA23 Balsall Common and Hampton-in-Arden

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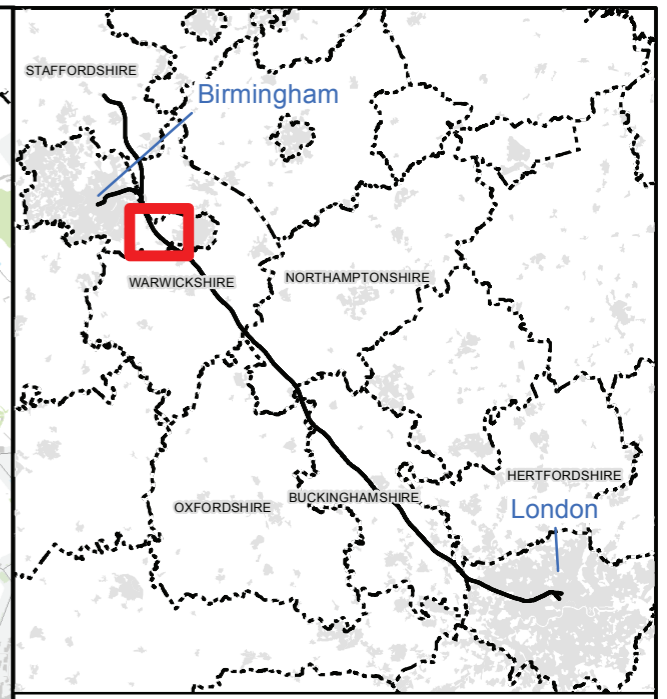
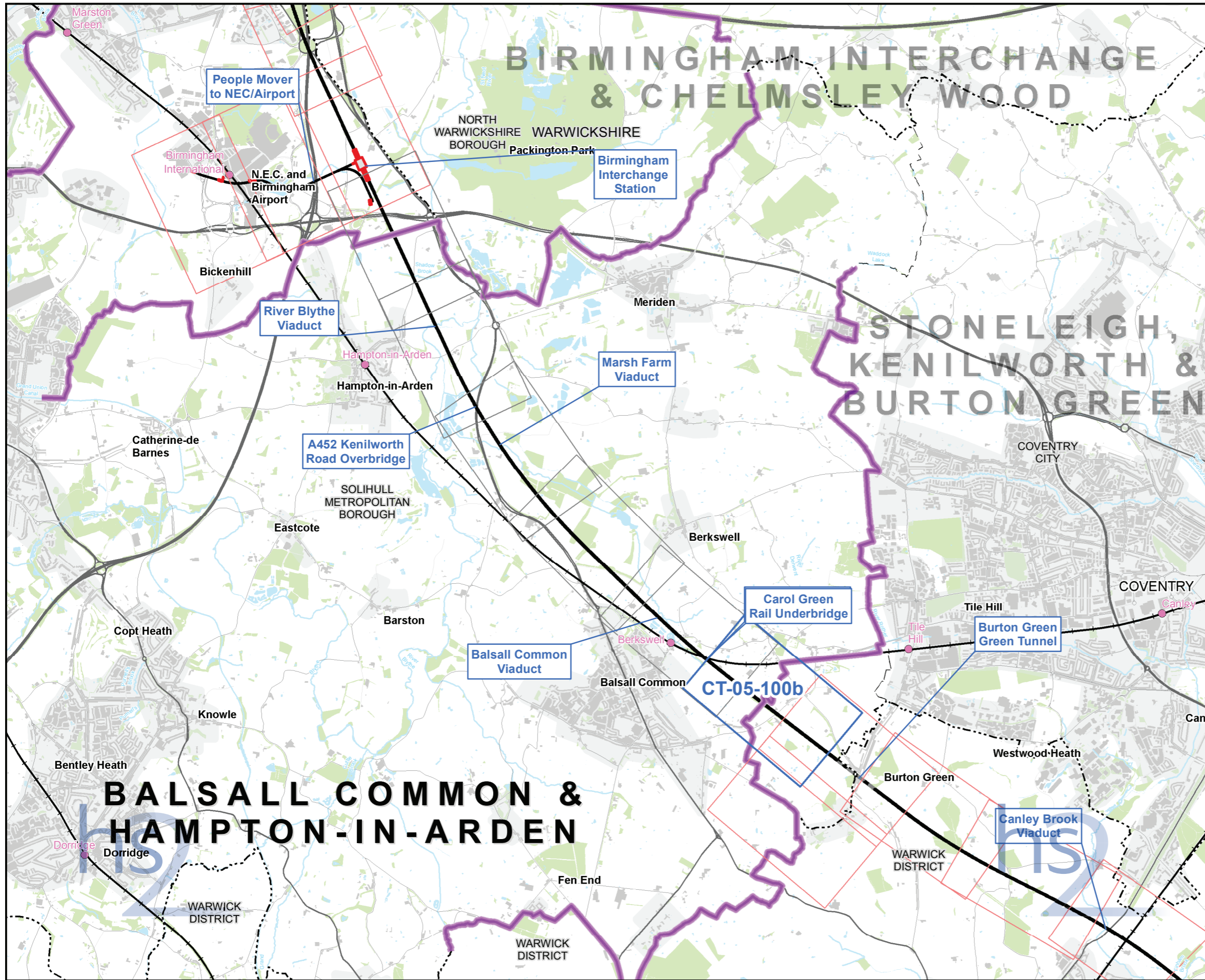
HIGH SPEED RAIL (LONDON - WEST MIDLANDS) ADDITIONAL PROVISION

Environmental Statement

CT-05 - Construction Phase

September 2014

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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 2014 Ordnance Survey (OS) data.

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

Map Number	CT-05-INDEX-CFA23
Map Name	Index Map of: Construction Phase AP1 Community Forum Area CFA23: Balsall Common & Hampton in Arden

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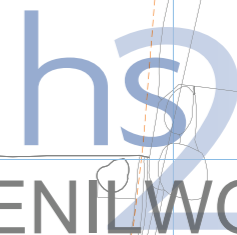
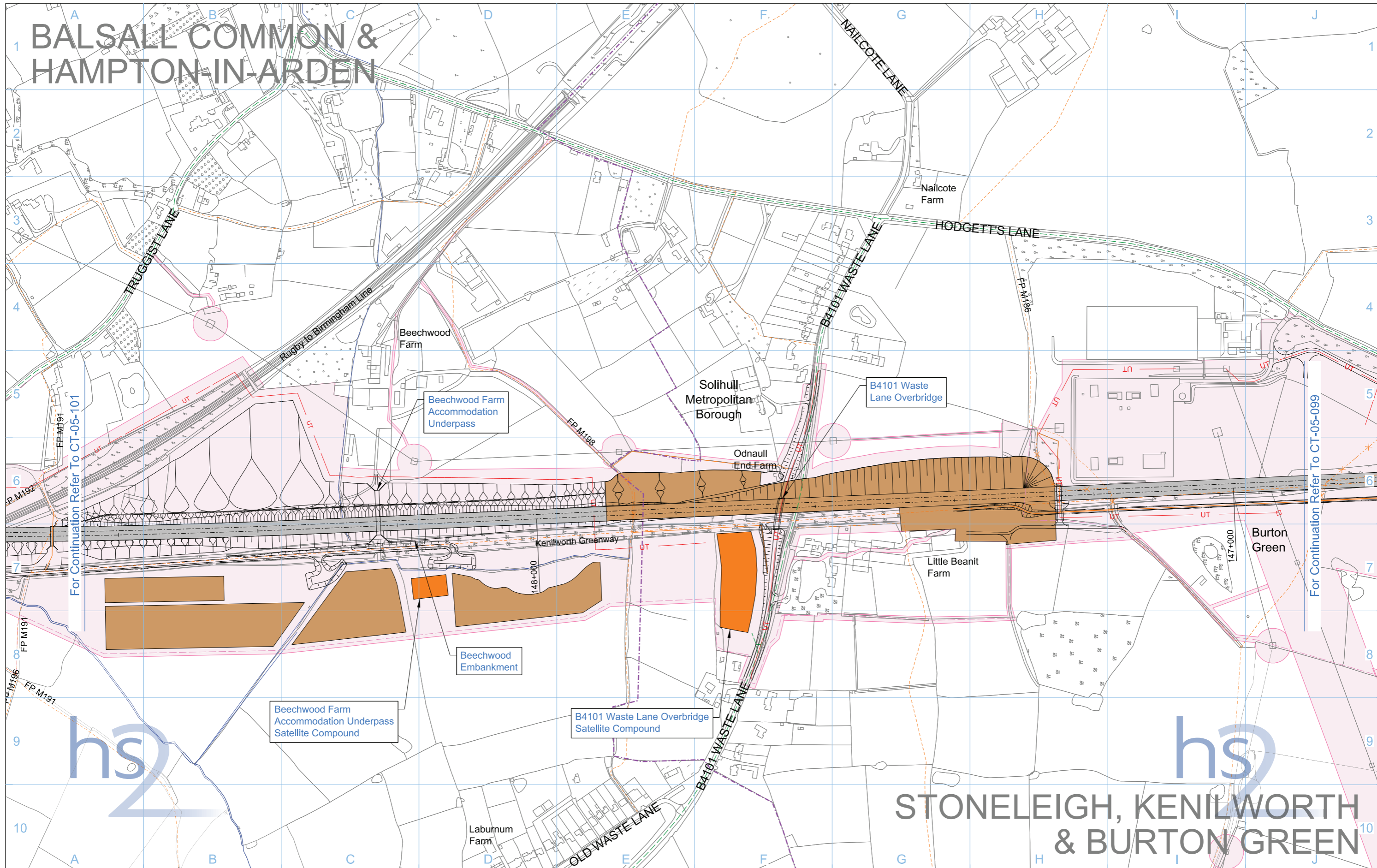
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BALSALL COMMON & HAMPTON-IN-ARDEN



STONELEIGH, KENILWORTH & BURTON GREEN

Legend	
	Depot, station, headhouse or portal building
	Tunnel portal
	Main construction compound
	Satellite construction compound
	Temporary material stockpile
	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-05-100b
Map Name	Construction Phase
Community Forum Area	CFA23 Balsall Common and Hampton in Arden

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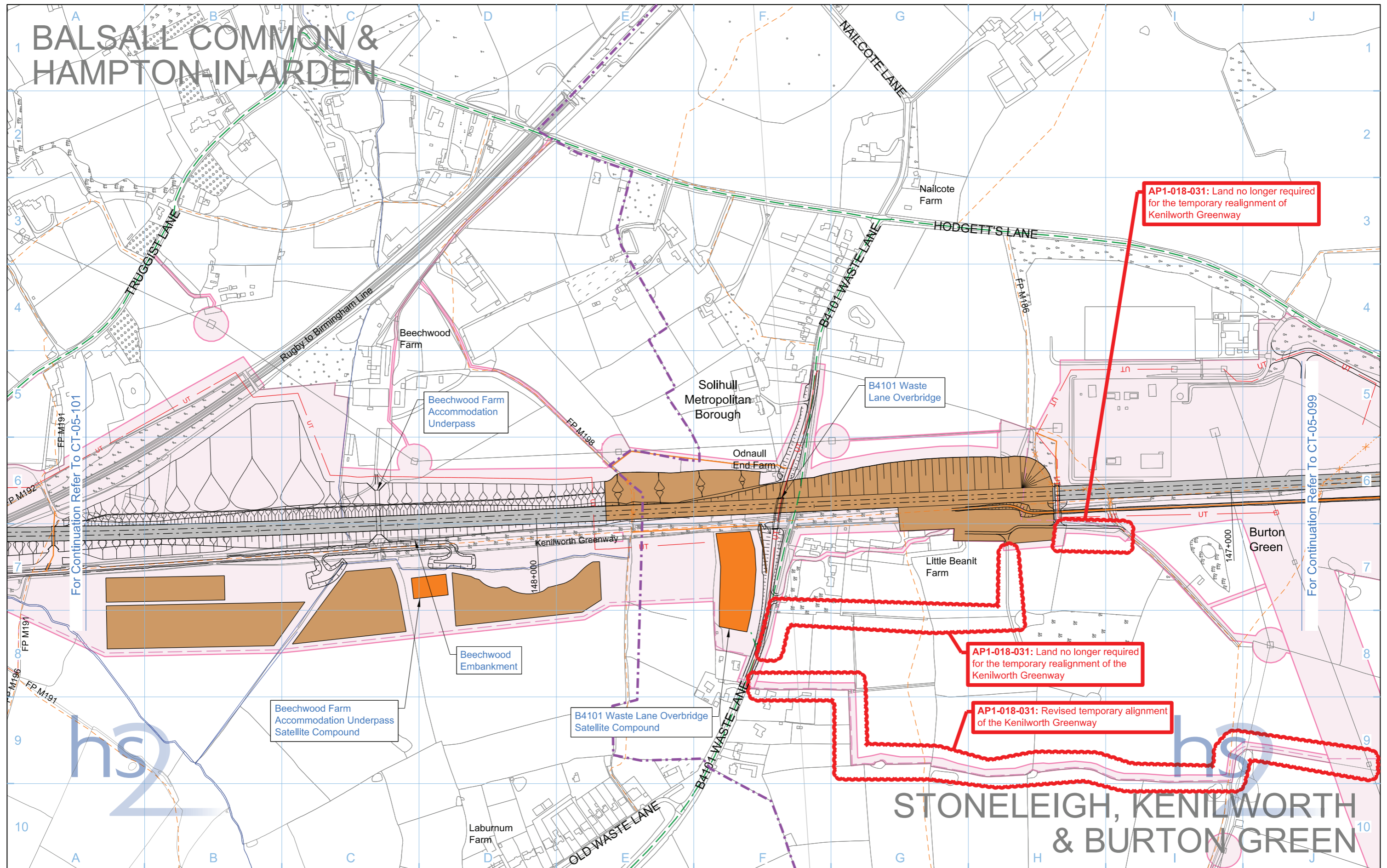
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BALSALL COMMON & HAMPTON-IN-ARDEN



AP1-018-031: Land no longer required for the temporary realignment of Kenilworth Greenway

AP1-018-031: Land no longer required for the temporary realignment of the Kenilworth Greenway

AP1-018-031: Revised temporary alignment of the Kenilworth Greenway

Legend	
	Depot, station, headhouse or portal building
	Tunnel portal
	Main construction compound
	Satellite construction compound
	Temporary material stockpile
	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
	Main utility works

Chainage (e.g. 10+000)

10+000

— Rail alignment

Map Number	CT-05-100b
Map Name	Construction Phase AP1
Community Forum Area	CFA23 Balsall Common and Hampton in Arden

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0 50 100 150 200 250
Metres

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HIGH SPEED RAIL (LONDON - WEST MIDLANDS) ADDITIONAL PROVISION

Environmental Statement

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September 2014



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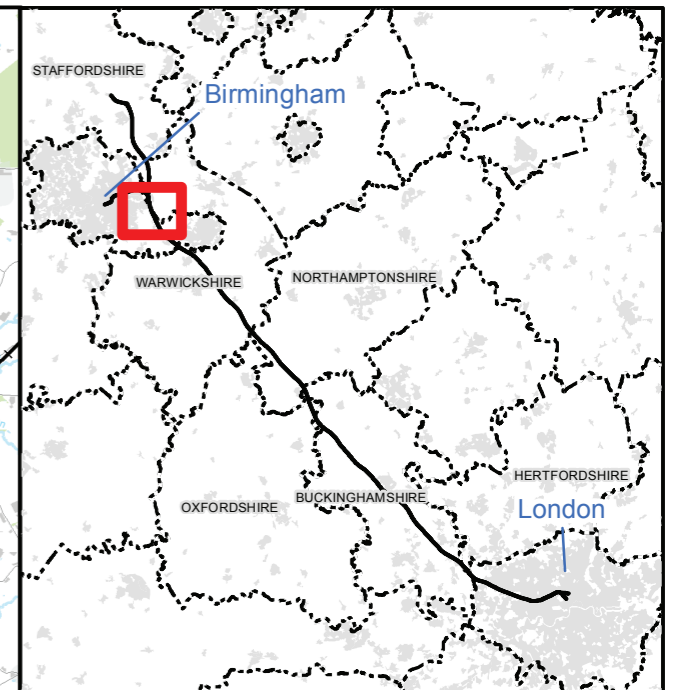
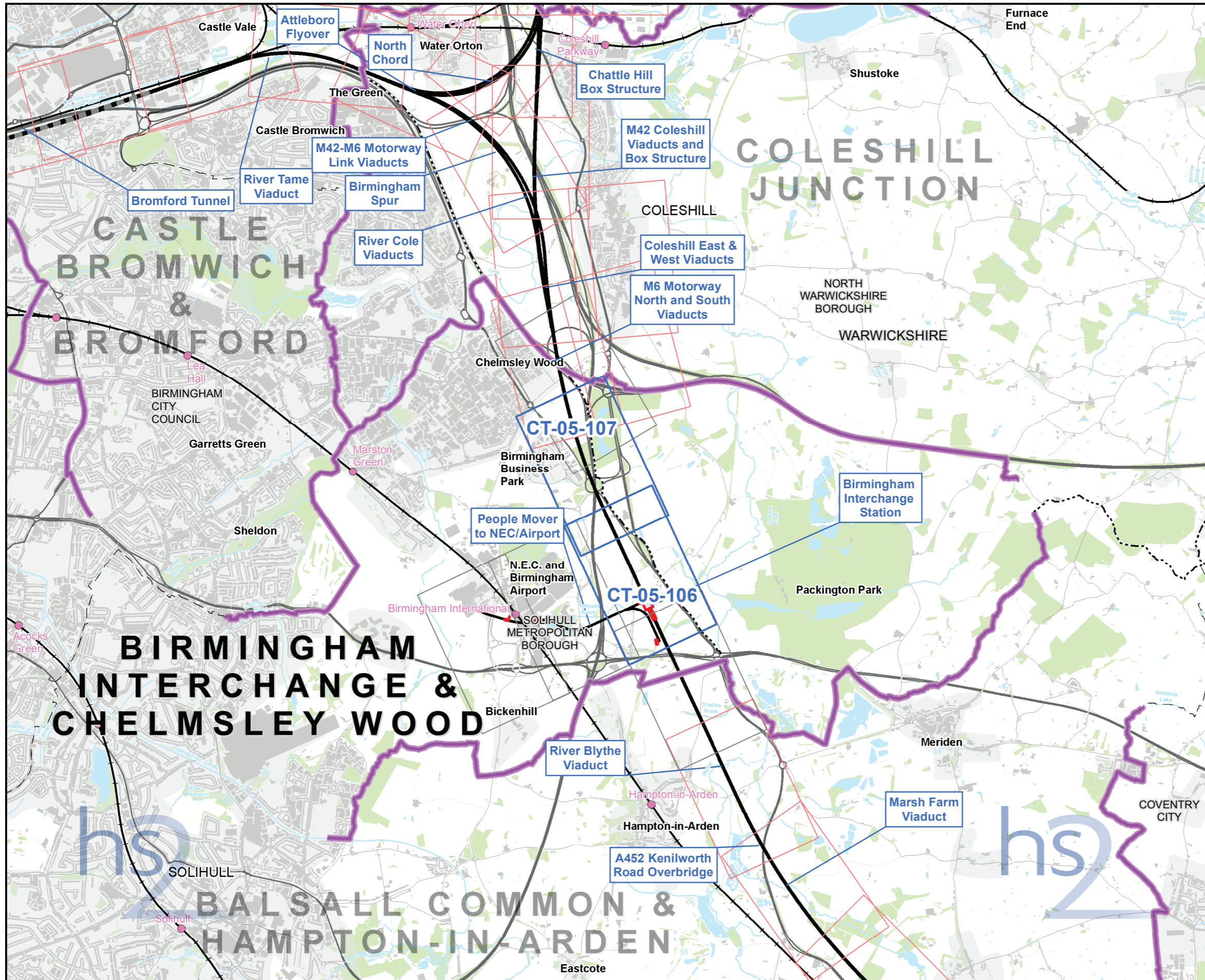
HIGH SPEED RAIL (LONDON - WEST MIDLANDS) ADDITIONAL PROVISION

Environmental Statement

CT-05 - Construction Phase

CT-06 - Proposed Scheme

September 2014



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 2014 Ordnance Survey (OS) data.

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 with amendment
- Map sheets included in this community forum with no amendment
- Map sheets not included in this community forum

Map Number	CT-05-INDEX-CFA24
Map Name	Index Map of: Construction Phase AP1 Community Forum Area CFA24: Birmingham Interchange & Chelmsley Wood

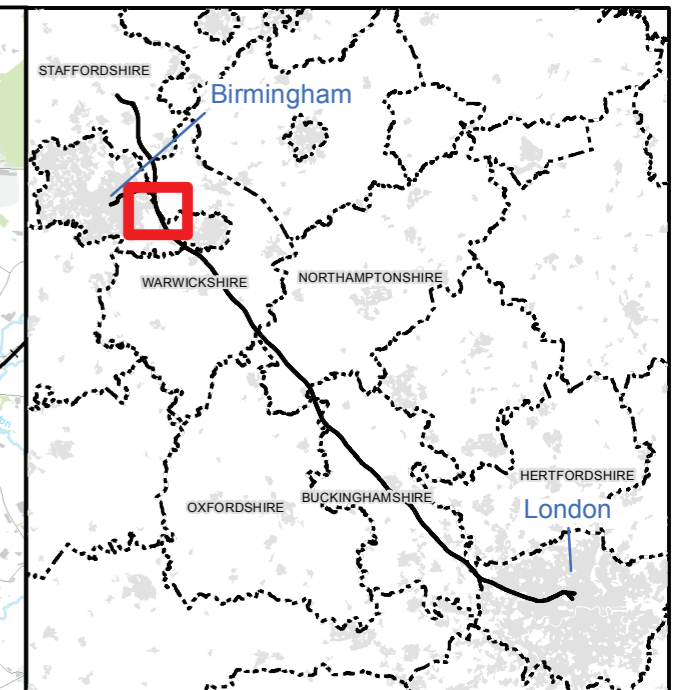
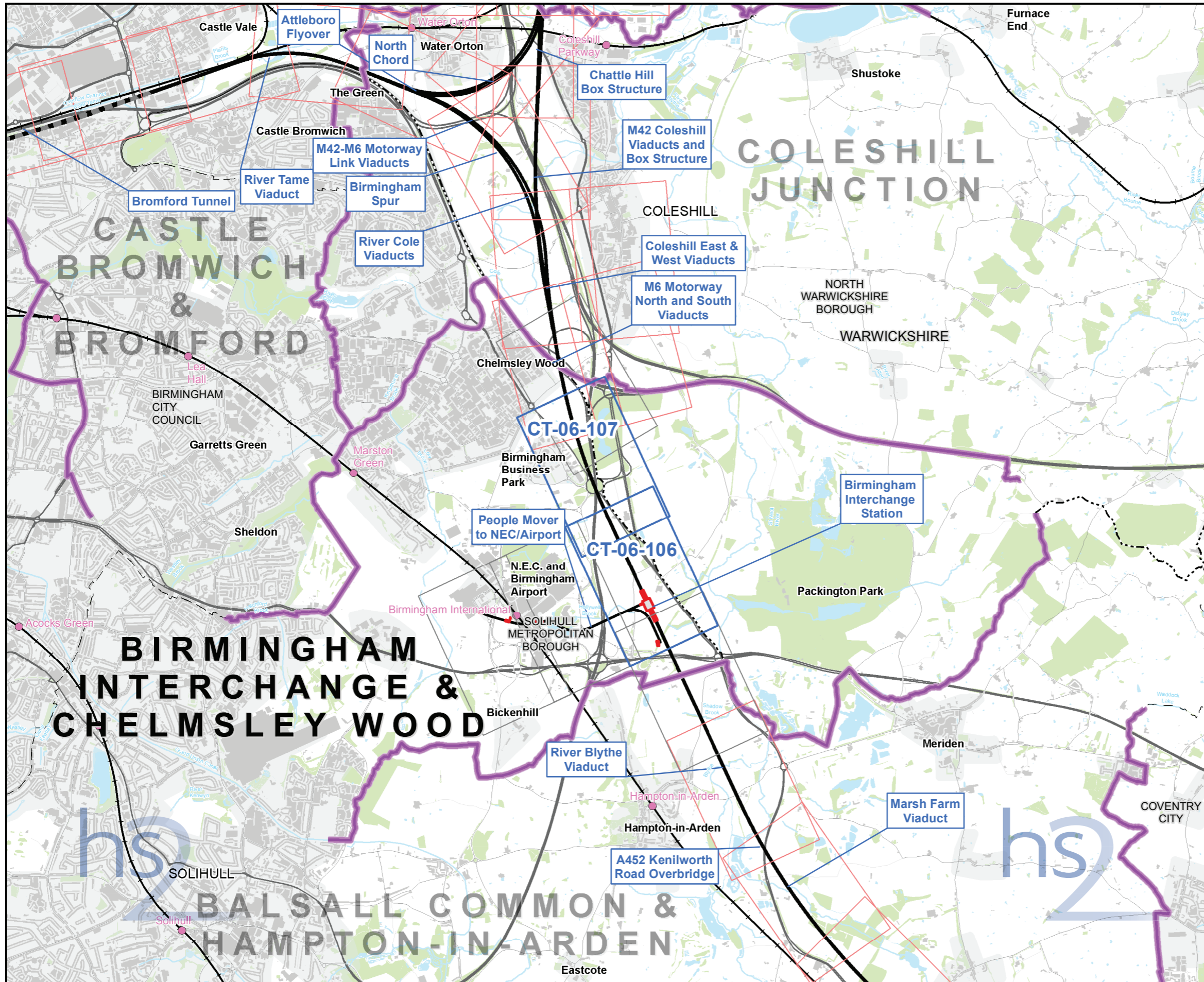
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Map Series Information:

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 2014 Ordnance Survey (OS) data.

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

Map Number	CT-06-INDEX-CFA24
Map Name	Index Map of: Proposed Scheme AP1 Community Forum Area CFA24: Birmingham Interchange & Chelmsley Wood

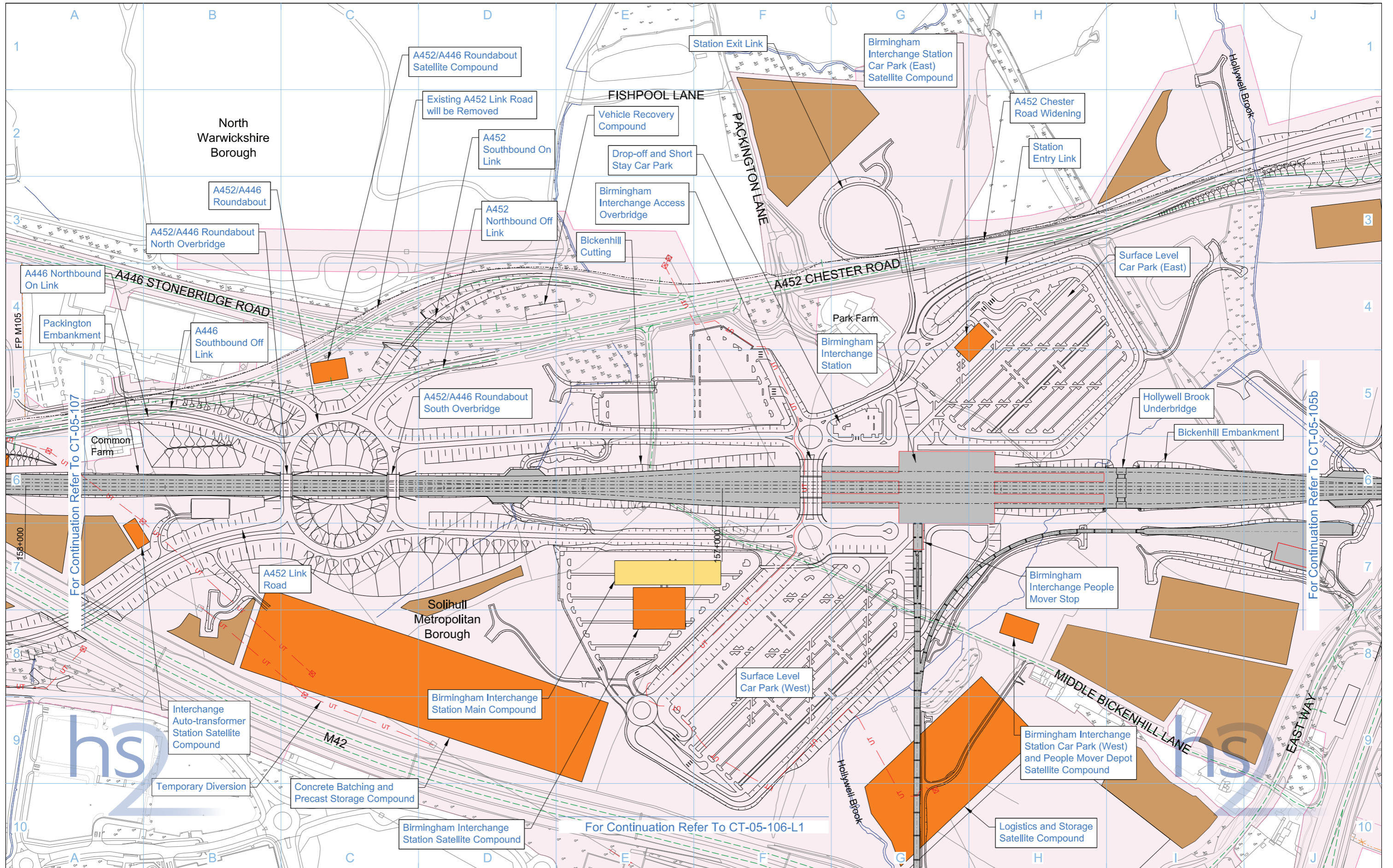
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Legend	
	Rail alignment formation
	Depot, station, headhouse or portal building
	Tunnel portal
	Main construction compound
	Satellite construction compound
	Temporary material stockpile
	Community forum boundary
	Existing watercourse
	Tunnels external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

Map Number: **CT-05-106**

Map Name: **Construction Phase**

Community Forum Area: **CFA24**
Birmingham Interchange and Chelmsley Wood

Chainage (e.g. 10+000): **10+000**

Rail alignment

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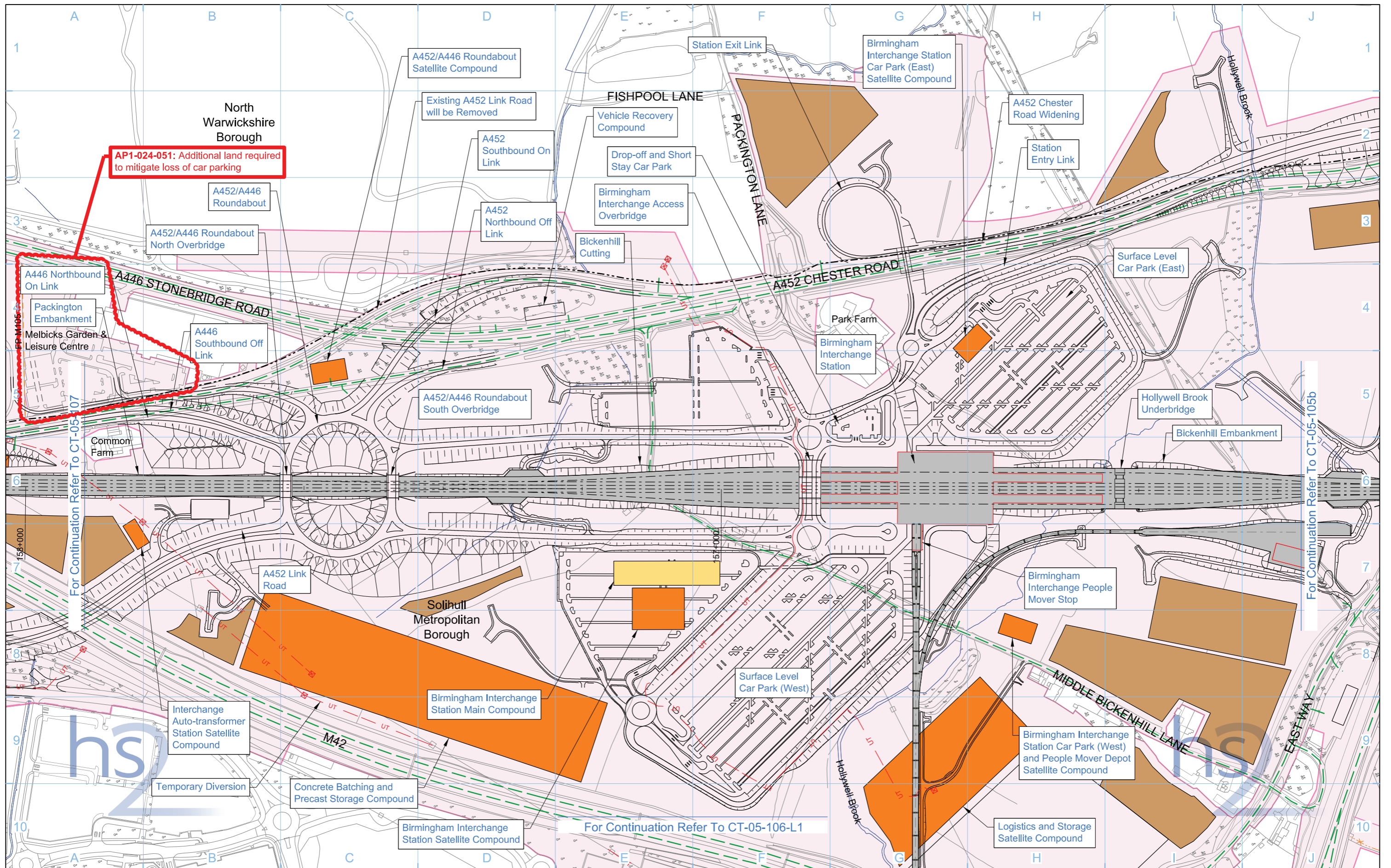
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AP1-024-051: Additional land required to mitigate loss of car parking

For Continuation Refer To CT-05-107

For Continuation Refer To CT-05-105b

For Continuation Refer To CT-05-106-L1

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

	Chainage (e.g. 10+000)
	Rail alignment

Map Number	CT-05-106
Map Name	Construction Phase AP1
Community Forum Area	CFA24 Birmingham Interchange and Chelmsley Wood

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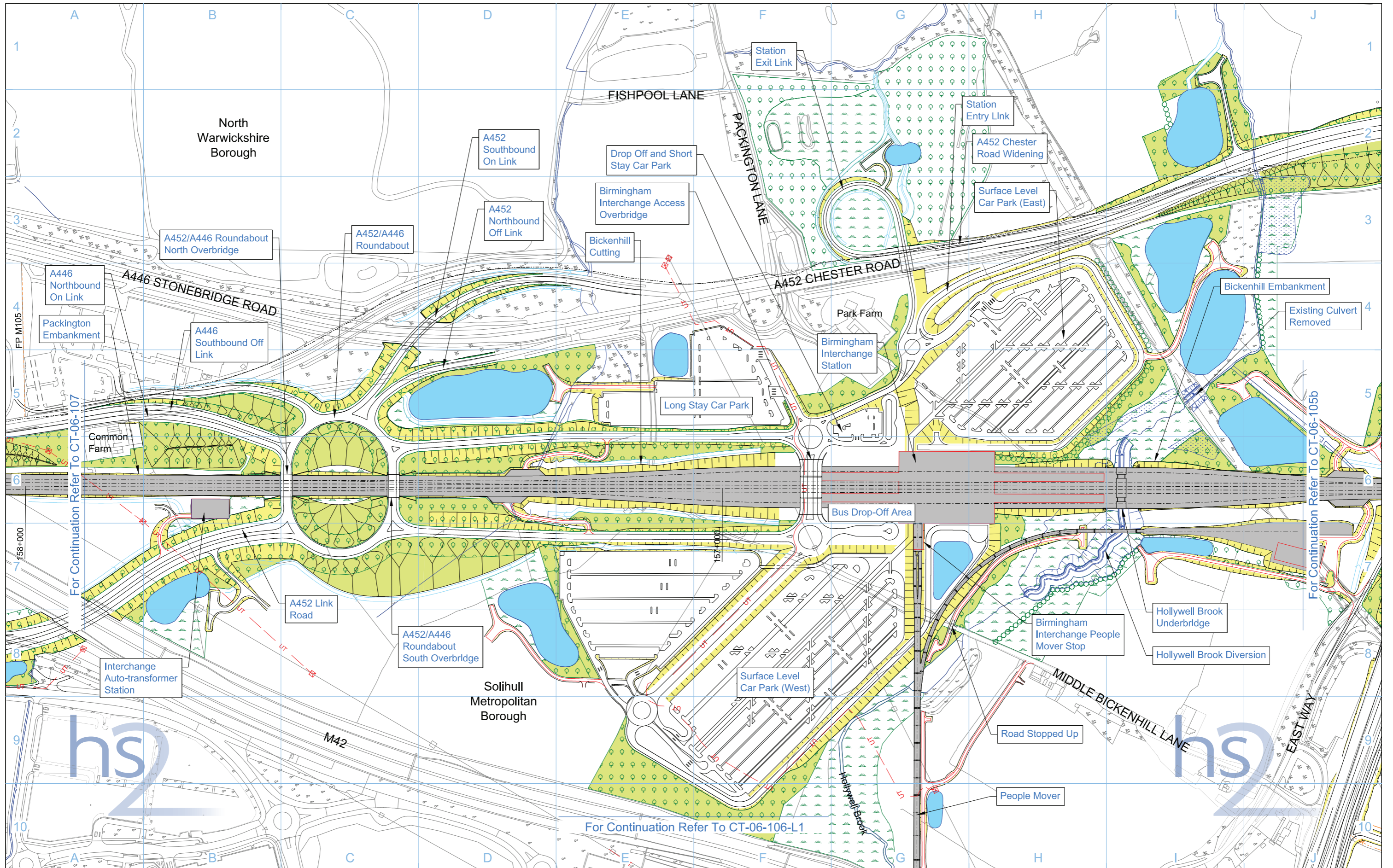
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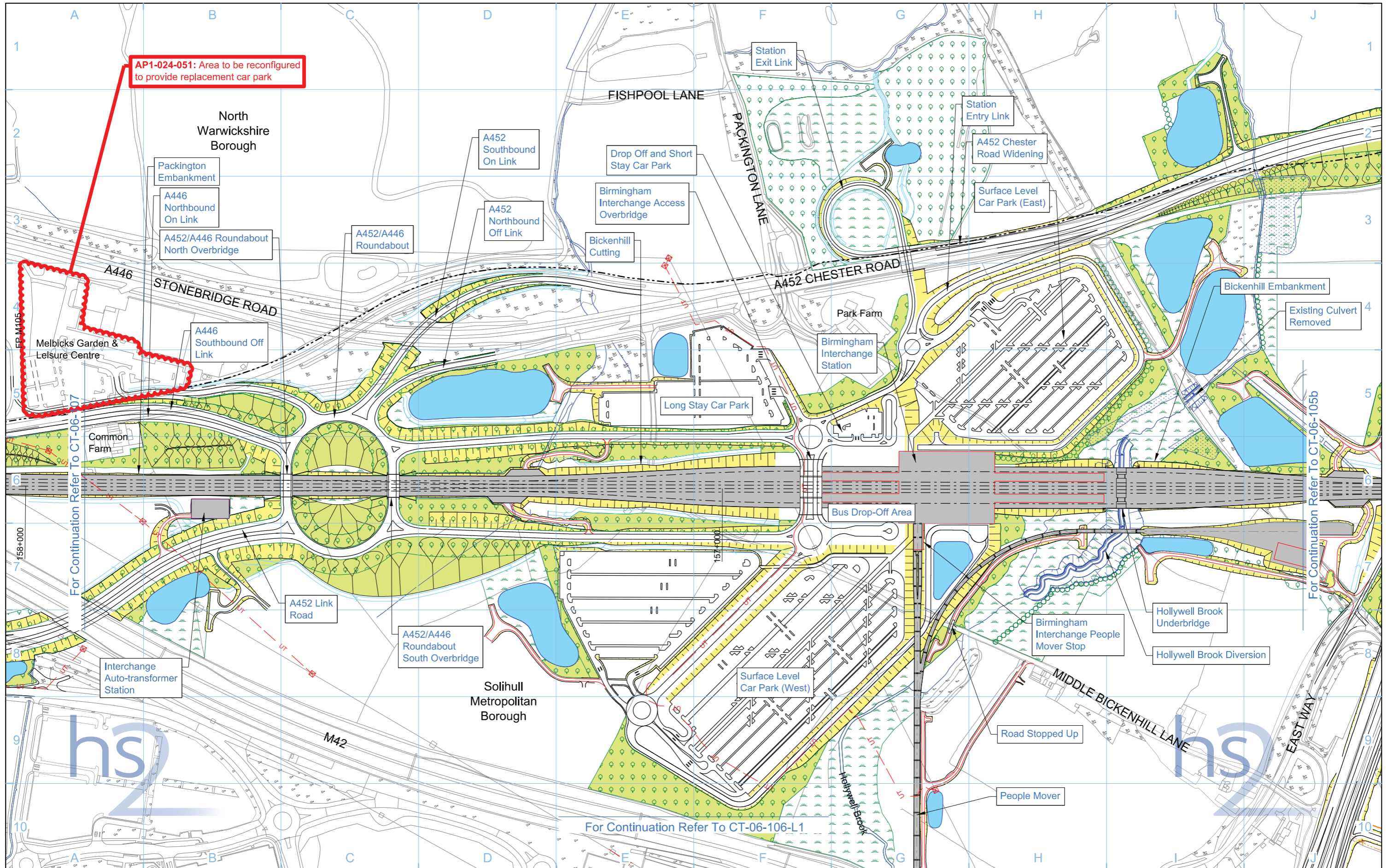
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Doc Number: C224-ARP-EV-DPL-040-205106-AP01 P02 Date: 19/08/14

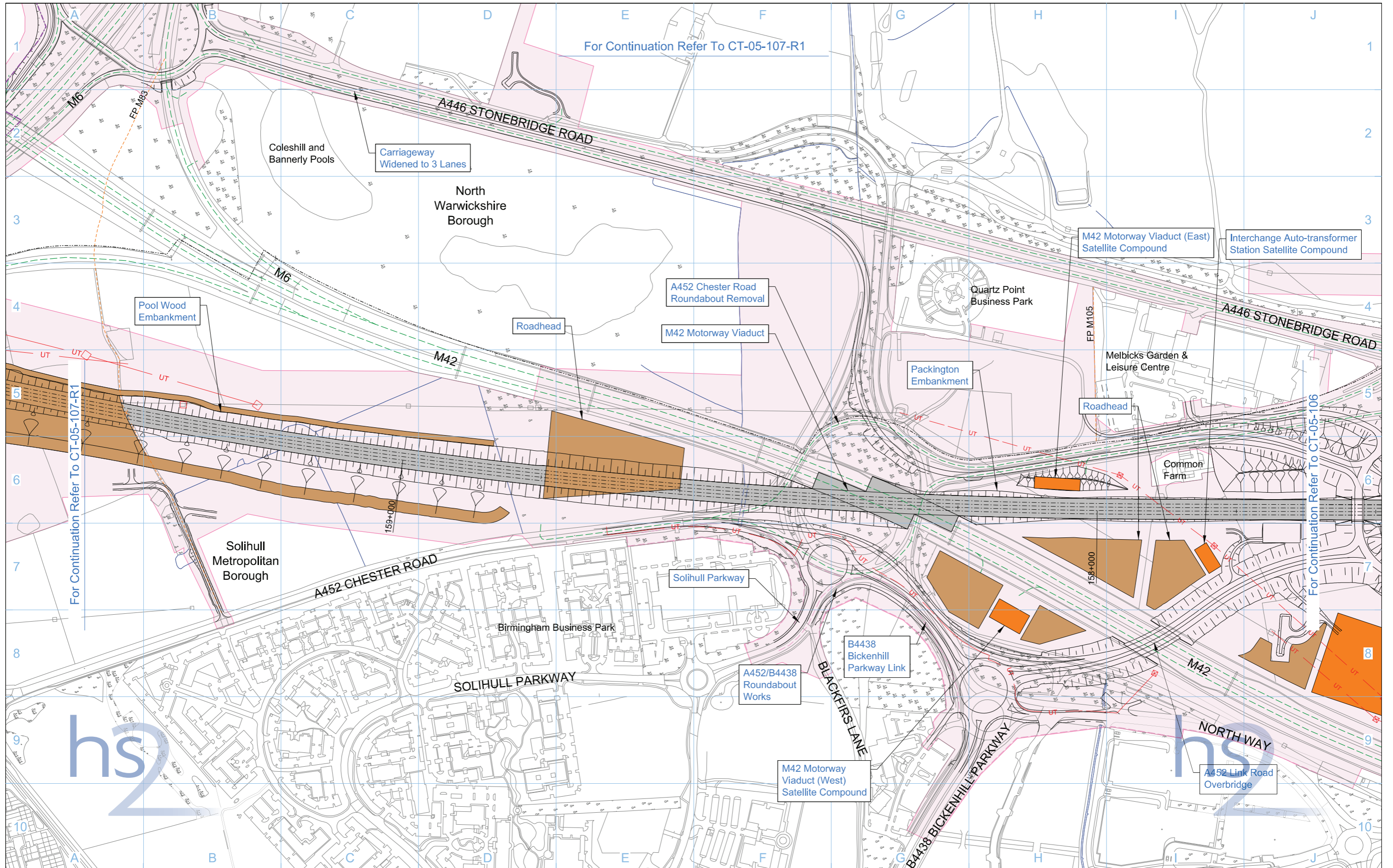


Legend <ul style="list-style-type: none"> Depot, station, headhouse or portal building Tunnel portal Electricity substation Land drainage area Ecological mitigation pond Balancing pond 		<ul style="list-style-type: none"> Replacement floodplain storage Woodland habitat creation Wetland habitat creation Grassland habitat creation Landscape mitigation planting (scrub / woodland) Grassed areas Sustainable placement 		<ul style="list-style-type: none"> Public realm Engineering earthworks Landscape earthworks Rail alignment formation Returned to suitable development use County boundary Borough / District boundary 		<ul style="list-style-type: none"> 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 		<ul style="list-style-type: none"> Stopped-up PRoW Tunnels external extent Rail alignment HS2 Access road Noise fence barrier Chainage (e.g. 10+000) 		Map Number CT-06-106 Proposed Scheme Community Forum Area: CFA24 Birmingham Interchange and Chelmsley Wood	<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 06791686 Registered office: Eland House, Bressenden Place, London SW1E 5DU</p> <p>Scale at A3: 1:5,000</p> <p>© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.</p> <p>Doc Number: C224-ARP-EV-DPL-040-206106 P06 Date: 29/10/13</p>
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AP1-024-051: Area to be reconfigured to provide replacement car park

Legend 		Map Number CT-06-106 Map Name Proposed Scheme AP1 Community Forum Area CFA24 Birmingham Interchange and Chelmsley Wood	 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 offices One Canada Square, London, E14 5AB Scale at A3: 1:5,000 0 50 100 150 200 250 Metres © Crown copyright and database rights 2014, Ordnance Survey Licence Number 100049190. Doc Number: C224-ARP-EV-DPL-040-206106-AP01 P01 Date: 29/07/14
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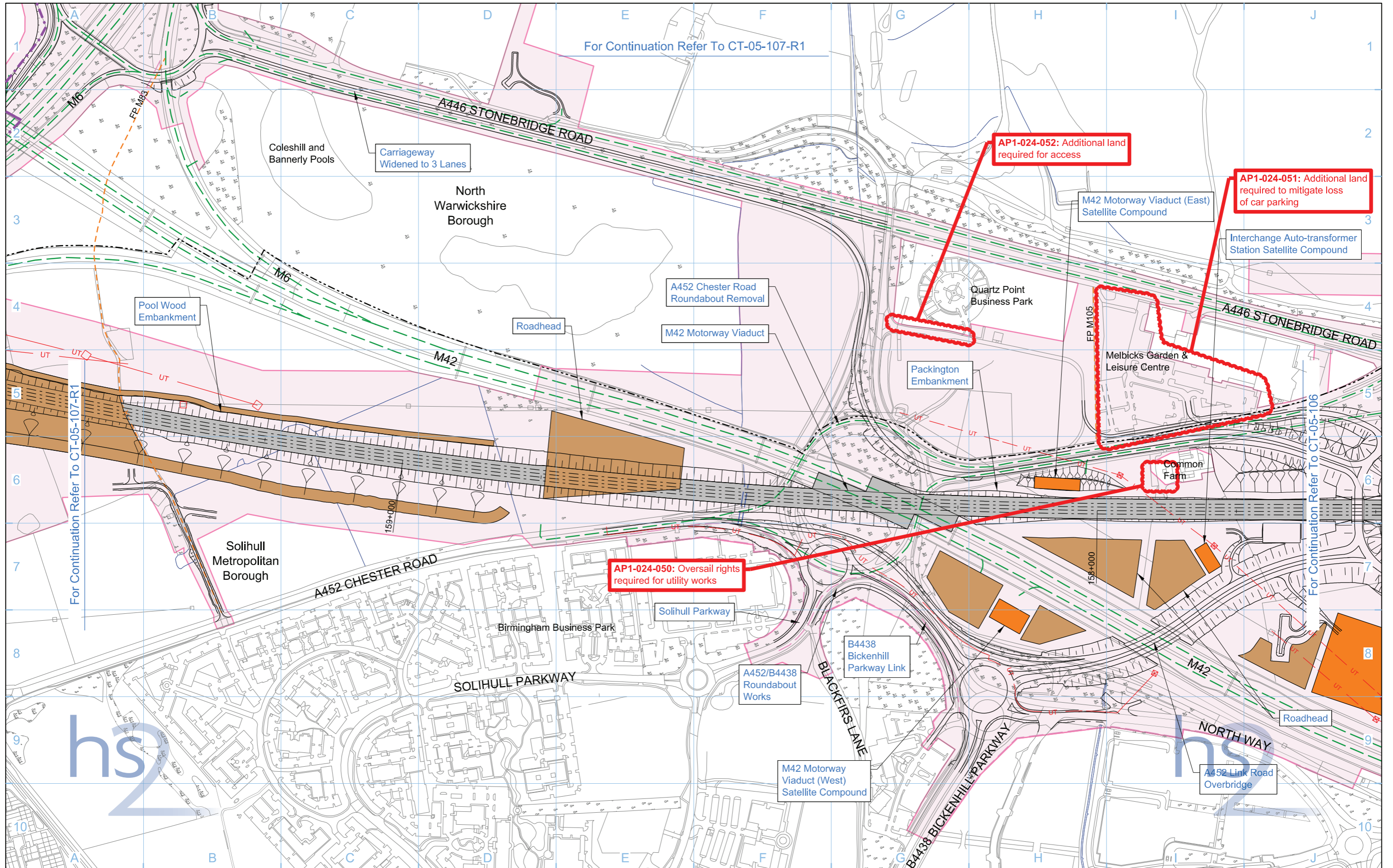


For Continuation Refer To CT-05-107-R1

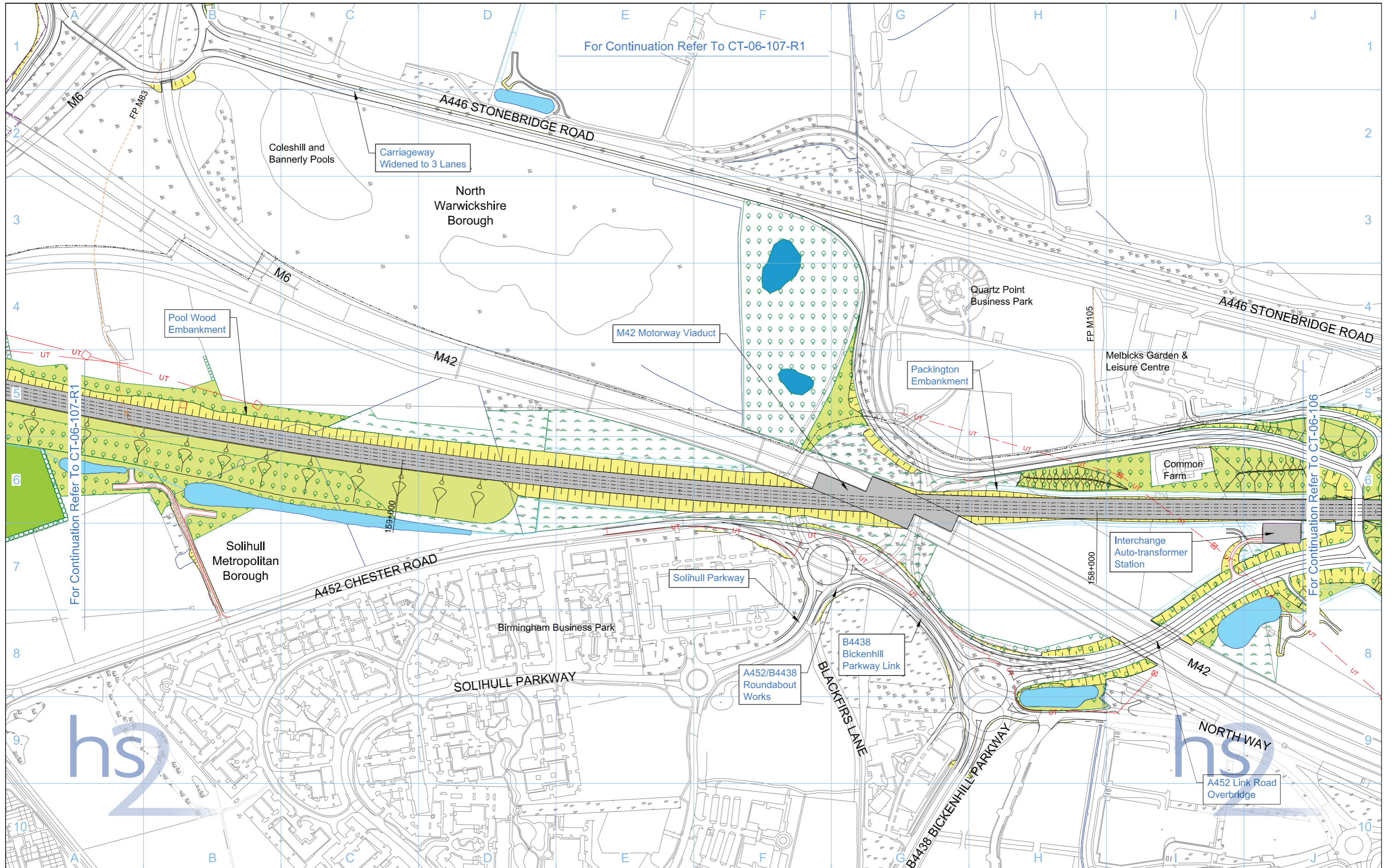
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For Continuation Refer To CT-05-106

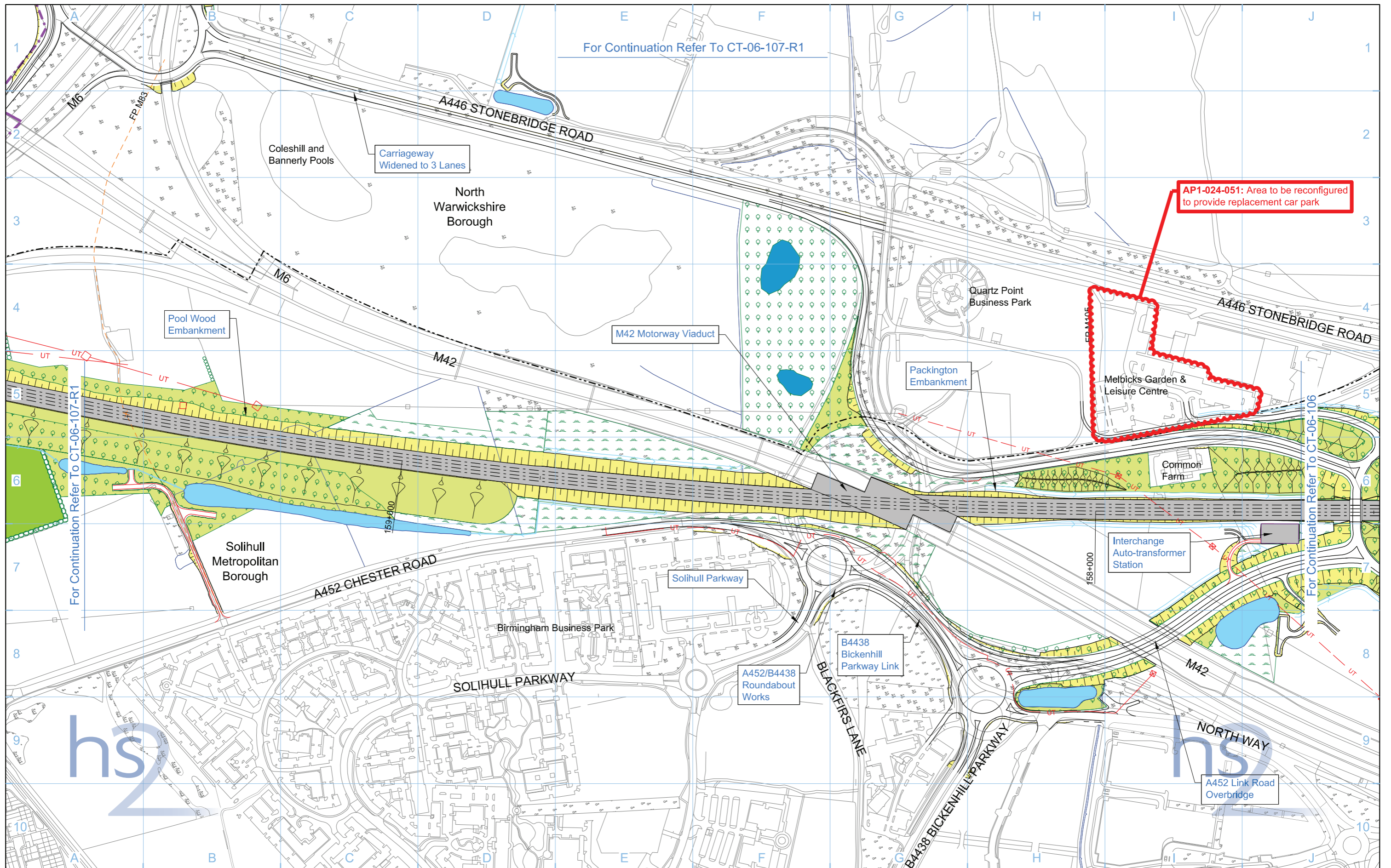
Legend 		Map Number CT-05-107 Map Name Construction Phase Community Forum Area CFA24 Birmingham Interchange and Chelmsley Wood		 HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way. Registered in England, Registration number 06791686 Registered office: Eland House, Bressenden Place, London SW1E 5DU Scale at A3: 1:5,000 © Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190. Doc Number: C224-ARP-EV-DPL-040-205107 P06 Date: 29/10/13	
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Legend 		Map Number CT-05-107 Map Name Construction Phase AP1 Community Forum Area CFA24 Birmingham Interchange and Chelmsley Wood		 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 offices: One Canada Square, London, E14 5AB Scale at A3: 1:5,000 © Crown copyright and database rights 2014, Ordnance Survey Licence Number 100049190. Doc Number: C224-ARP-EV-DPL-040-205107-AP01 P02 Date: 07/08/14	
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Legend 		Map Number CT-06-107 Map Name Proposed Scheme Community Forum Area CFA24 Birmingham Interchange and Chelmsley Wood	 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 Scale at A3: 1:5,000 © Crown copyright and database rights 2013, Ordnance Survey Licence Number 100049190. Doc Number: C224-ARP-EV-DPL-040-206107 P06 Date: 29/10/13
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Legend 		Map Number CT-06-107 Map Name Proposed Scheme AP1 Community Forum Area CFA24 Birmingham Interchange and Chelmsley Wood	 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 offices One Canada Square, London, E14 5AB Scale at A3: 1:5,000 © Crown copyright and database rights 2014, Ordnance Survey Licence Number 100049190. Doc Number: C224-ARP-EV-DPL-040-206107-AP01 P01 Date: 29/07/14
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HIGH SPEED RAIL (LONDON - WEST MIDLANDS) ADDITIONAL PROVISION

Environmental Statement

Volume 2 | CFA25 Castle Bromwich and Bromford

September 2014

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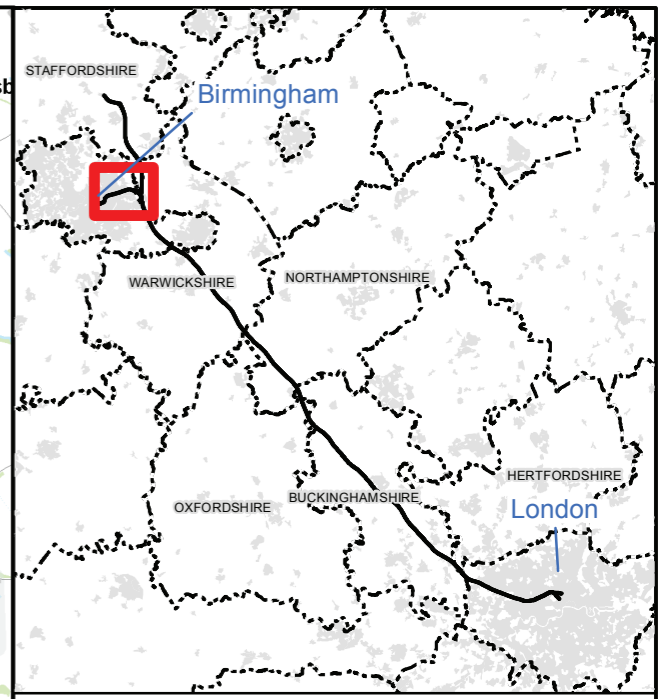
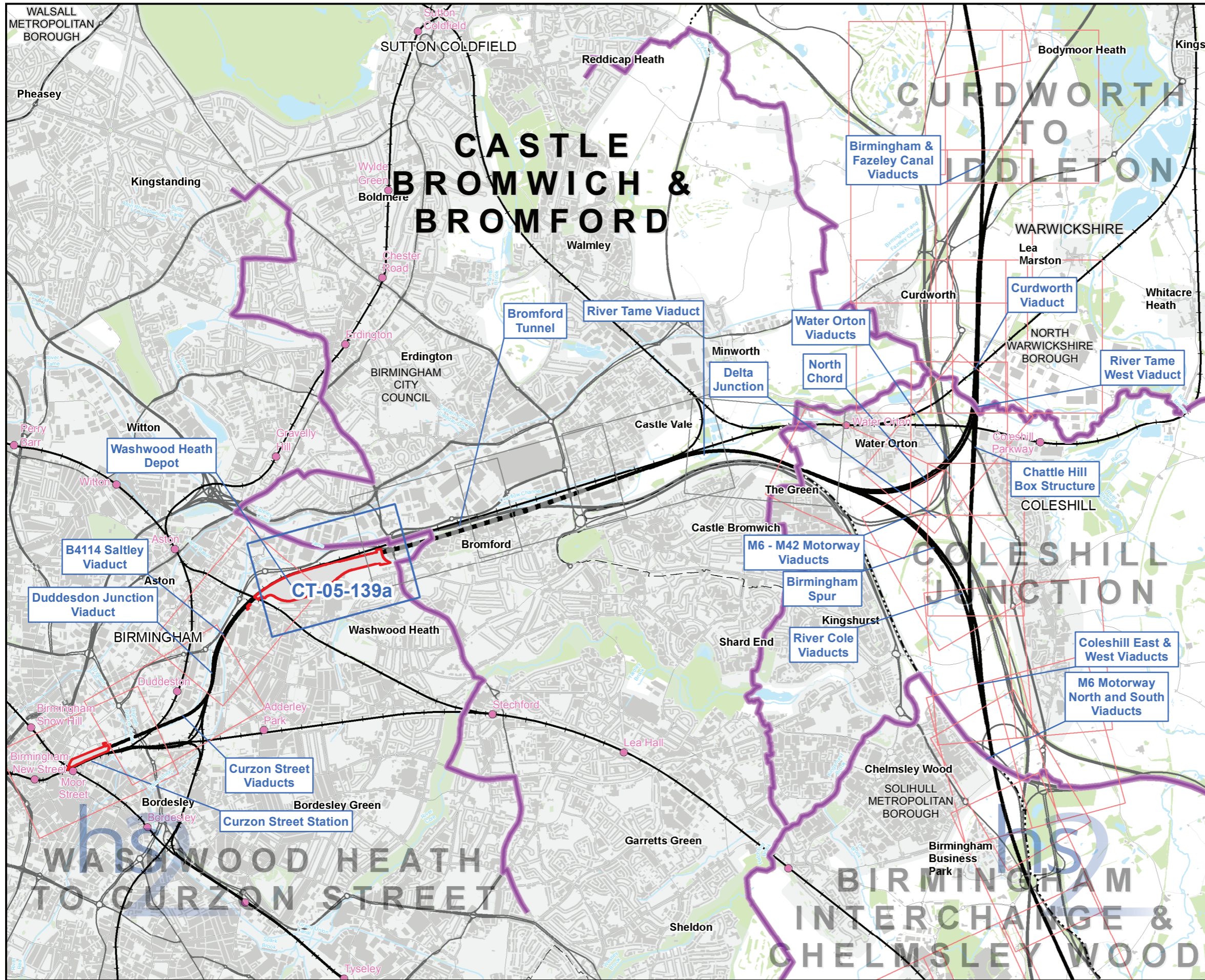
HIGH SPEED RAIL (LONDON - WEST MIDLANDS) ADDITIONAL PROVISION

Environmental Statement

CT-05 - Construction Phase

CT-06 - Proposed Scheme

September 2014



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 2014 Ordnance Survey (OS) data.

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 with amendment
- Map sheets included in this community forum with no amendment
- Map sheets not included in this community forum

Map Number	CT-05-INDEX-CFA25
Map Name	Index Map of: Construction Phase AP1
	Community Forum Area CFA25: Castle Bromwich & Bromford

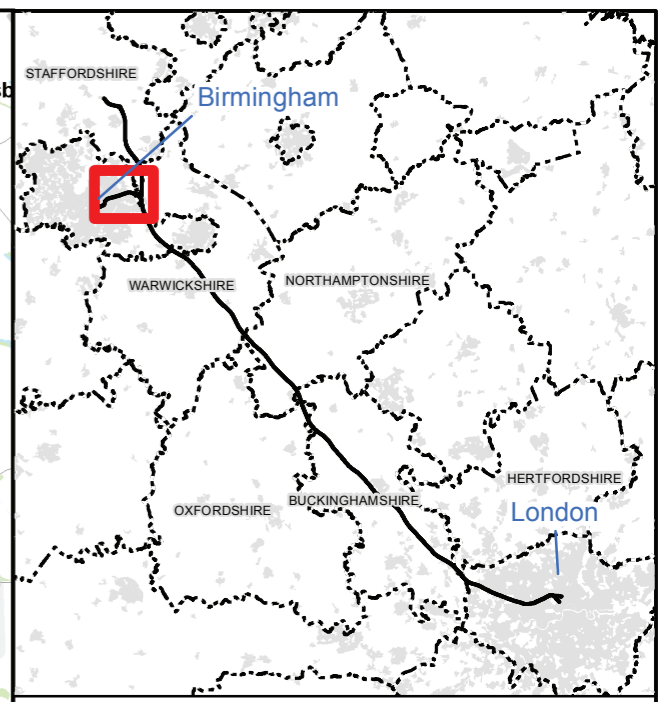
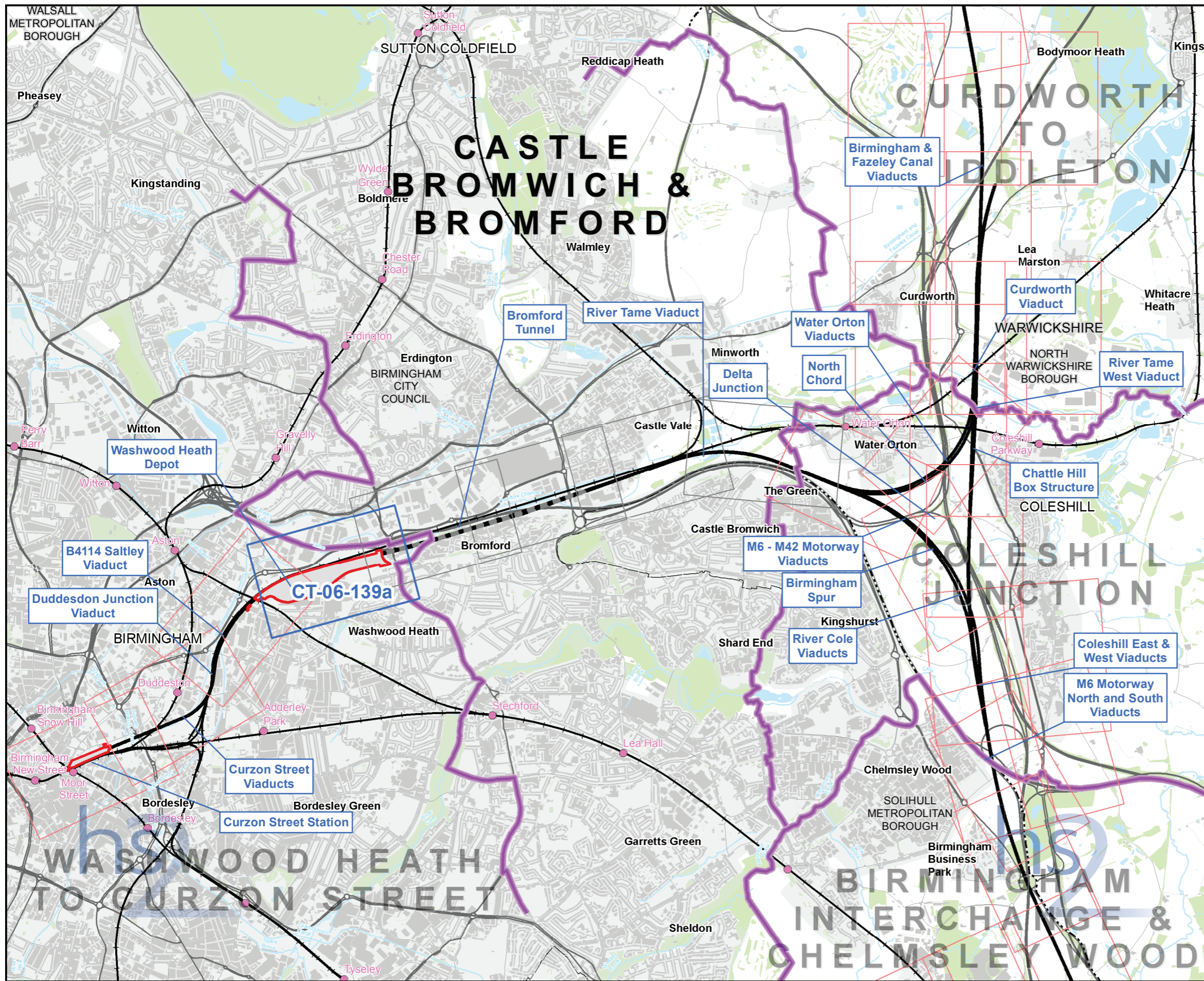
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Map Series Information:

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 2014 Ordnance Survey (OS) data.

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 with amendment
	Map sheets included in this community forum with no amendment
	Map sheets not included in this community forum

Map Number	CT-06-INDEX-CFA25
Map Name	Index Map of: Proposed Scheme AP1
Community Forum Area CFA25: Castle Bromwich & Bromford	

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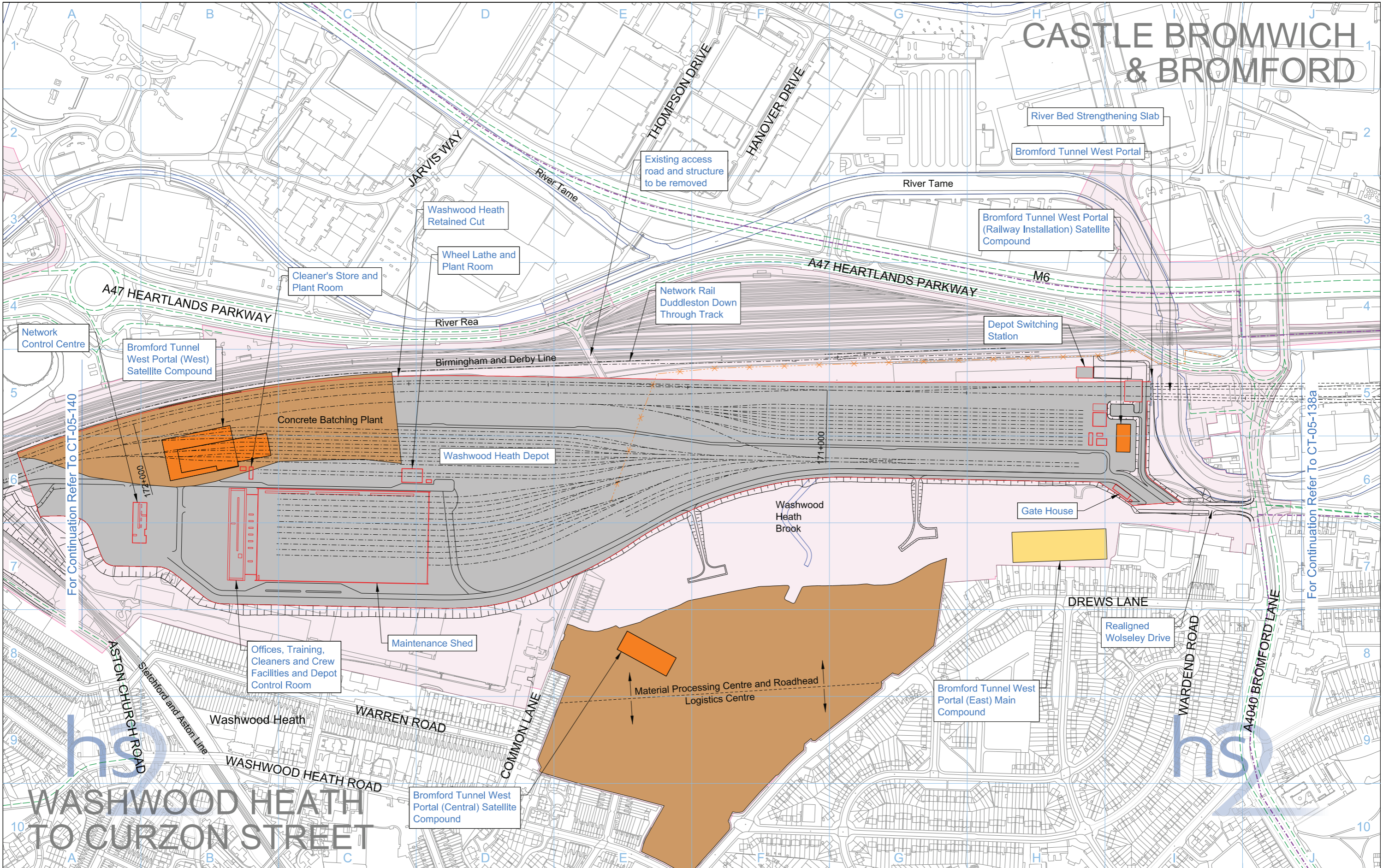
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CASTLE BROMWICH & BROMFORD

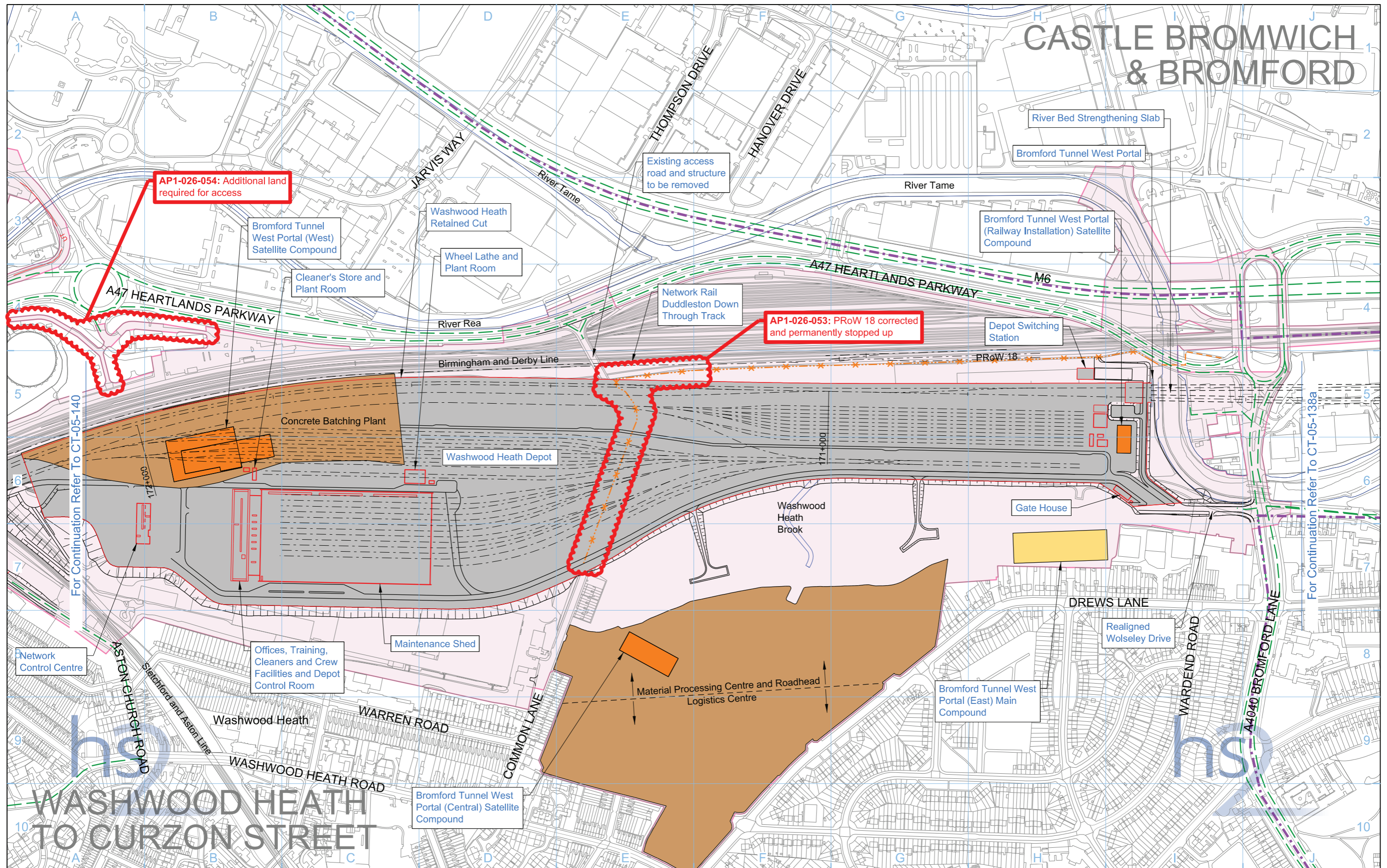


For Continuation Refer To CT-05-140

For Continuation Refer To CT-05-138a

Legend <ul style="list-style-type: none"> Depot, station, headhouse or portal building Tunnel portal Main construction compound Satellite construction compound Temporary material stockpile Landscape earthworks Engineering earthworks County boundary Borough / District boundary Land potentially required during construction 		<ul style="list-style-type: none"> Rail alignment formation Existing watercourse Tunnels external extent Construction traffic route Existing public right of way (PRoW) New, diverted or realigned PRoW Community forum boundary Stopped-up PRoW Temporary PRoW diversion / realignment Temporary highway diversion / realignment Main utility works 		<ul style="list-style-type: none"> Chainage (e.g. 10+000) Rail alignment 	
<p>Map Number: CT-05-139a</p> <p>Map Name: Construction Phase</p>		<p>Community Forum Area: CFA25 Castle Bromwich and Bromford</p>		<p>Scale at A3: 1:5,000</p> <p>Registered in England, Registration number 06791686 Registered office: Eland House, Bressenden Place, London SW1E 5DU</p> <p>© Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190.</p> <p>Doc Number: C224-ARP-EV-DPL-040-205039 P06 Date: 29/10/13</p>	

CASTLE BROMWICH & BROMFORD



AP1-026-054: Additional land required for access

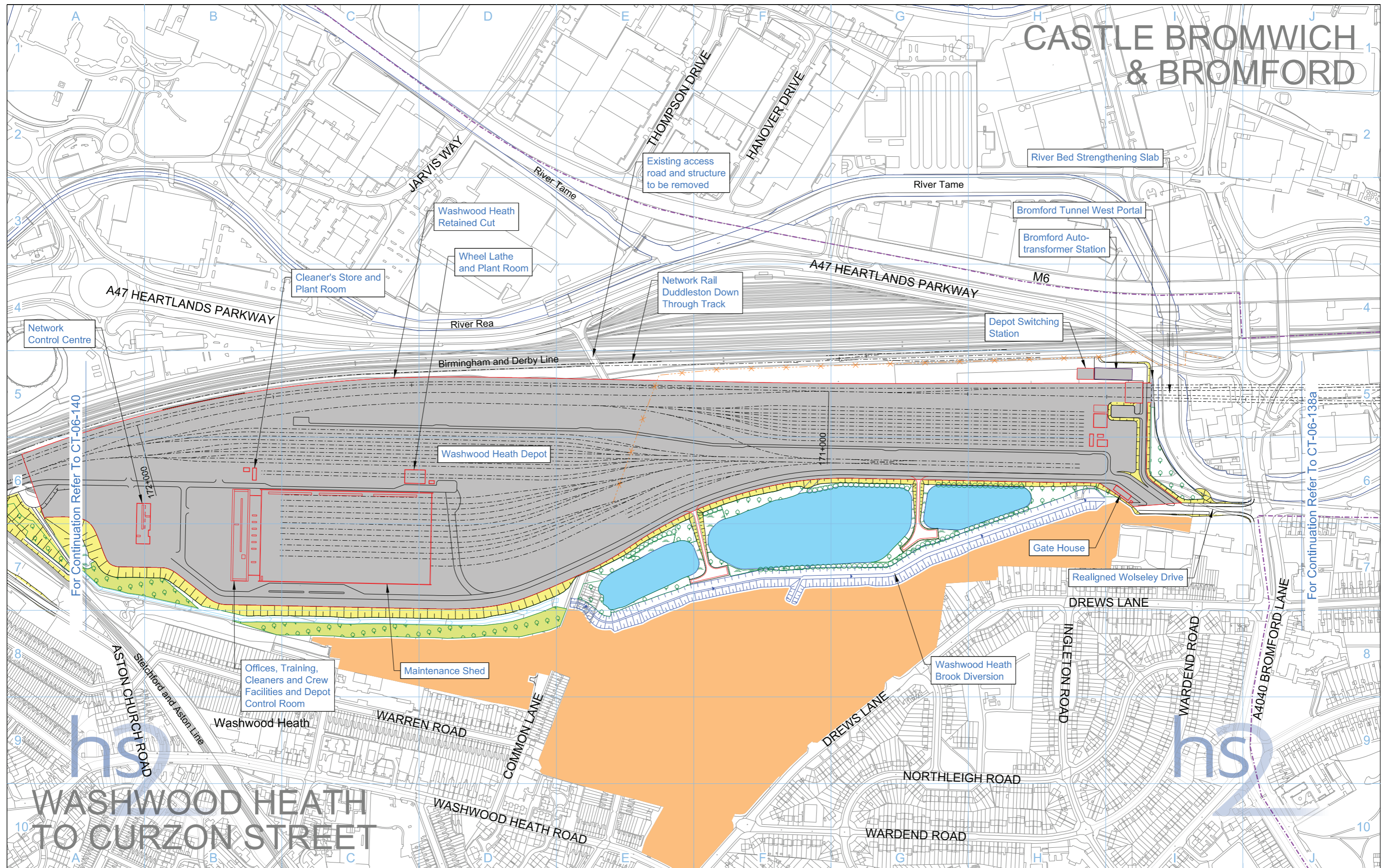
AP1-026-053: PRoW 18 corrected and permanently stopped up

For Continuation Refer To CT-05-140

For Continuation Refer To CT-05-138a

Legend <ul style="list-style-type: none"> Depot, station, headhouse or portal building Tunnel portal Main construction compound Satellite construction compound Temporary material stockpile 		<ul style="list-style-type: none"> Rail alignment formation Landscape earthworks Engineering earthworks County boundary Borough / District boundary Land potentially required during construction 		<ul style="list-style-type: none"> Community forum boundary Existing watercourse Tunnels external extent Construction traffic route Existing public right of way (PRoW) New, diverted or realigned PRoW 		<ul style="list-style-type: none"> Stopped-up PRoW Temporary PRoW diversion / realignment Temporary highway diversion / realignment Main utility works 		<ul style="list-style-type: none"> Chainage (e.g. 10+000) Rail alignment 		Map Number CT-05-139a Map Name Construction Phase AP1 Community Forum Area CFA25 Castle Bromwich and Bromford		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 offices: One Canada Square, London, E14 5AB Scale at A3: 1:5,000 © Crown copyright and database rights 2014, Ordnance Survey Licence Number 100049190. Doc Number: C224-ARP-EV-DPL-040-205039-AP01 P01 Date: 29/07/14	
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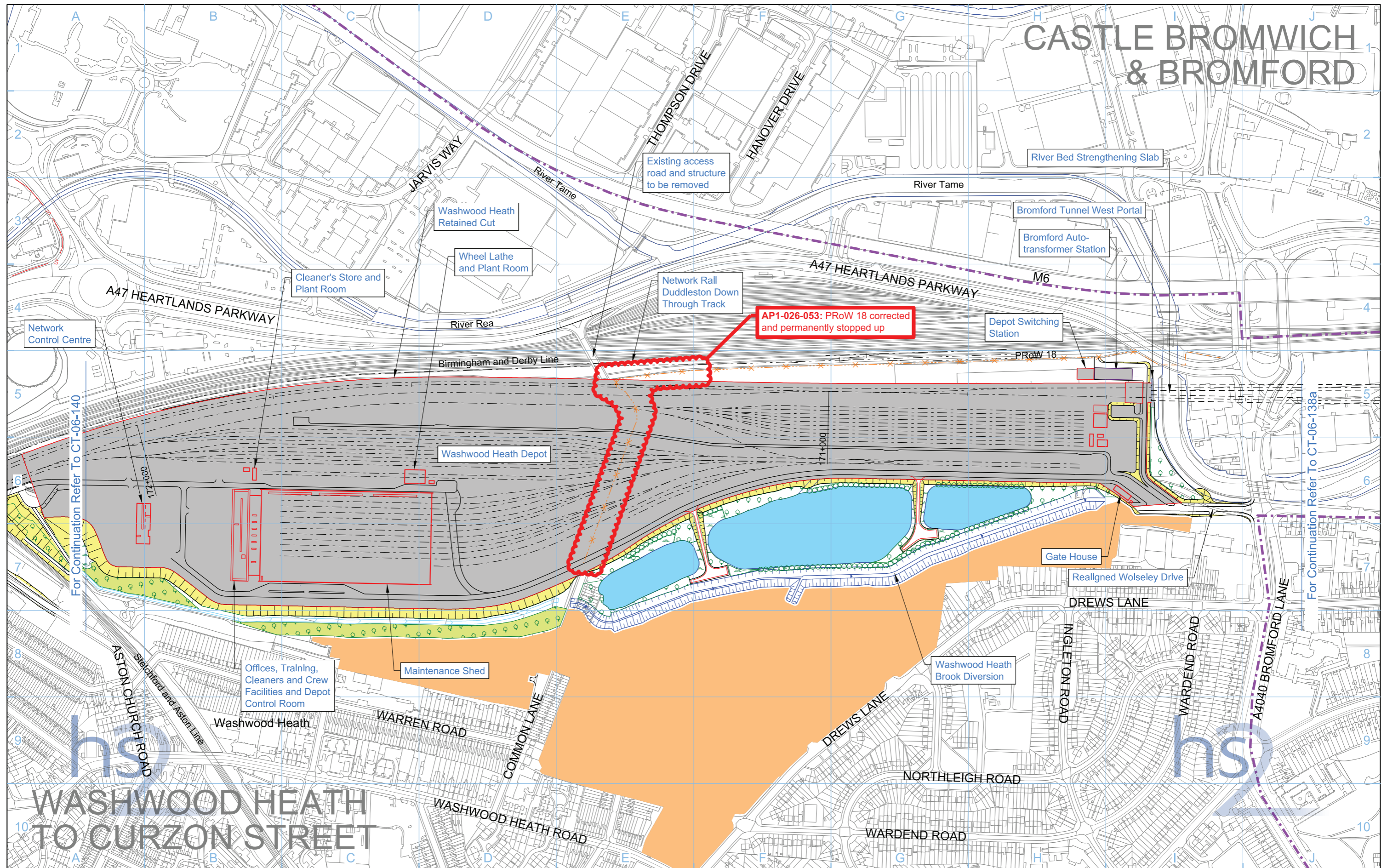
CASTLE BROMWICH & BROMFORD



WASHWOOD HEATH TO CURZON STREET

Legend <ul style="list-style-type: none"> Depot, station, headhouse or portal building Tunnel portal Electricity substation Land drainage area Ecological mitigation pond Balancing pond 		<ul style="list-style-type: none"> Replacement floodplain storage Woodland habitat creation Wetland habitat creation Grassland habitat creation Landscape mitigation planting (scrub / woodland) Grassed areas Sustainable placement 		<ul style="list-style-type: none"> Public realm Engineering earthworks Landscape earthworks Rail alignment formation Returned to suitable development use County boundary Borough / District boundary 		<ul style="list-style-type: none"> 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 		<ul style="list-style-type: none"> Stopped-up PRoW Tunnels external extent Rail alignment HS2 Access road Noise fence barrier Chainage (e.g. 10+000) 		Map Number CT-06-139a Map Name Proposed Scheme Community Forum Area CFA25 Castle Bromwich and Bromford		<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 06791686 Registered office: Eland House, Bressenden Place, London SW1E 5DU</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 100049190.</p> <p>Doc Number: C224-ARP-EV-DPL-040-206039 P06 Date: 29/10/13</p>	
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CASTLE BROMWICH & BROMFORD



WASHWOOD HEATH TO CURZON STREET

Legend <ul style="list-style-type: none"> Depot, station, headhouse or portal building Tunnel portal Electricity substation Land drainage area Ecological mitigation pond Balancing pond 		<ul style="list-style-type: none"> Replacement floodplain storage Woodland habitat creation Wetland habitat creation Grassland habitat creation Landscape mitigation planting (scrub / woodland) Grassed areas Sustainable placement 		<ul style="list-style-type: none"> Public realm Engineering earthworks Landscape earthworks Rail alignment formation Returned to suitable development use County boundary Borough / District boundary 		<ul style="list-style-type: none"> 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 		<ul style="list-style-type: none"> Stopped-up PRoW Tunnels external extent Rail alignment HS2 Access road Noise fence barrier Chainage (e.g. 10+000) 		Map Number CT-06-139a Map Name Proposed Scheme AP1 Community Forum Area CFA25 Castle Bromwich and Bromford		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: One Canada Square, London, E14 5AB Scale at A3: 1:5,000 0 50 100 150 200 250 Metres © Crown copyright and database rights 2014, Ordnance Survey Licence Number 100049190. Doc Number: C224-ARP-EV-DPL-040-206039-AP01 P01 Date: 29/07/14	
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HIGH SPEED RAIL (LONDON - WEST MIDLANDS) ADDITIONAL PROVISION

Environmental Statement

Volume 2 | CFA26 Washwood Heath to Curzon Street

September 2014

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HIGH SPEED RAIL (LONDON - WEST MIDLANDS) ADDITIONAL PROVISION

Environmental Statement

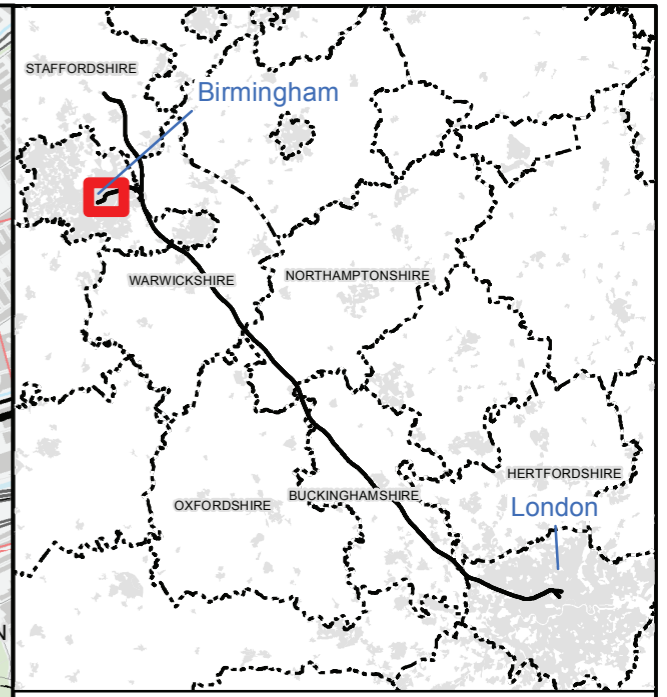
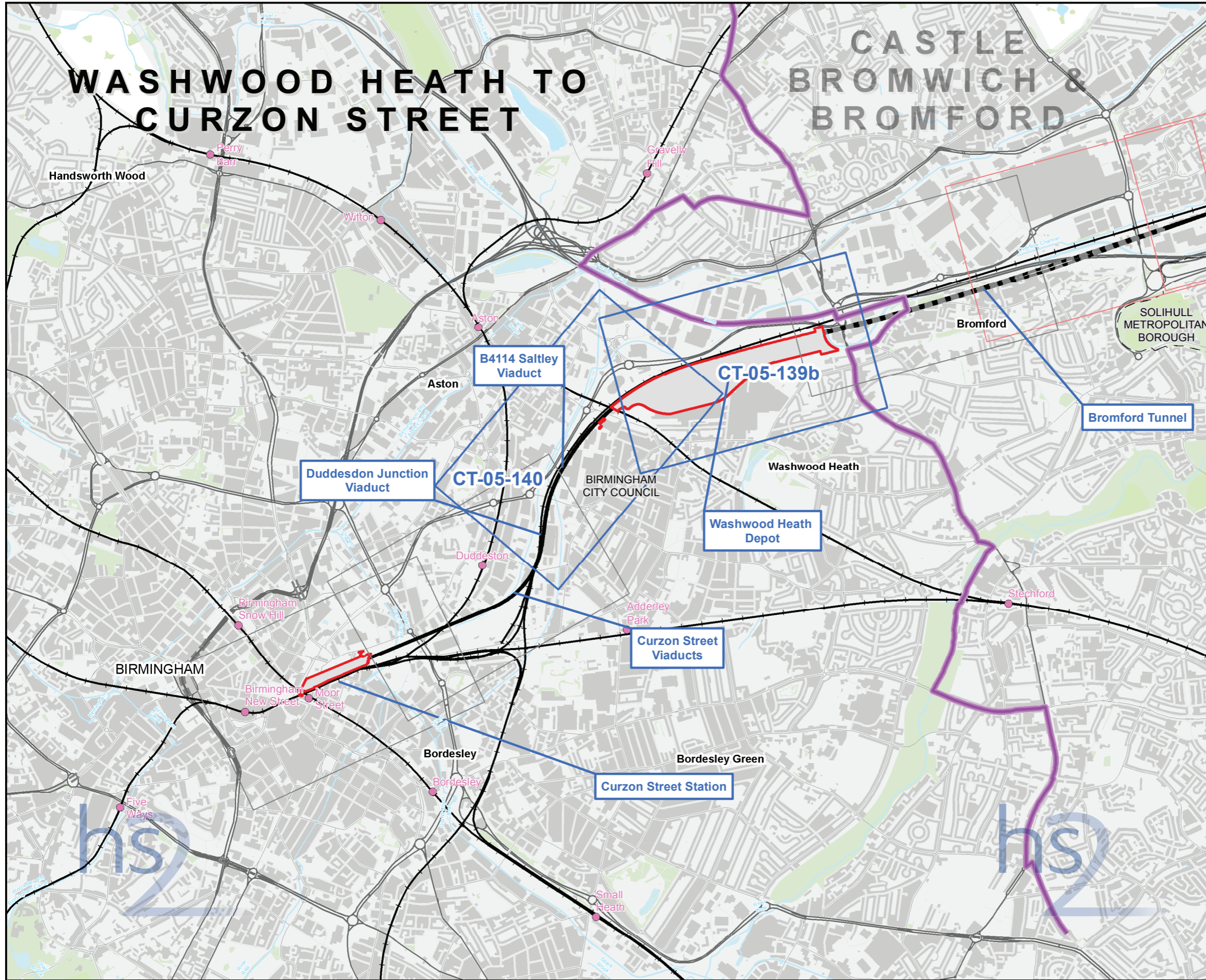
CT-05 - Construction Phase

CT-06 - Proposed Scheme

September 2014

WASHWOOD HEATH TO CURZON STREET

CASTLE BROMWICH & BROMFORD



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.

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- Map sheets included in this community forum with no amendment
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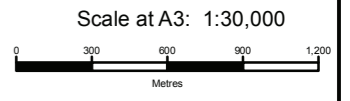
Map Number **CT-05-INDEX-CFA26**

Map Name
**Index Map of:
 Construction Phase
 AP1**
 Community Forum Area CFA26:
 Washwood Heath to Curzon Street



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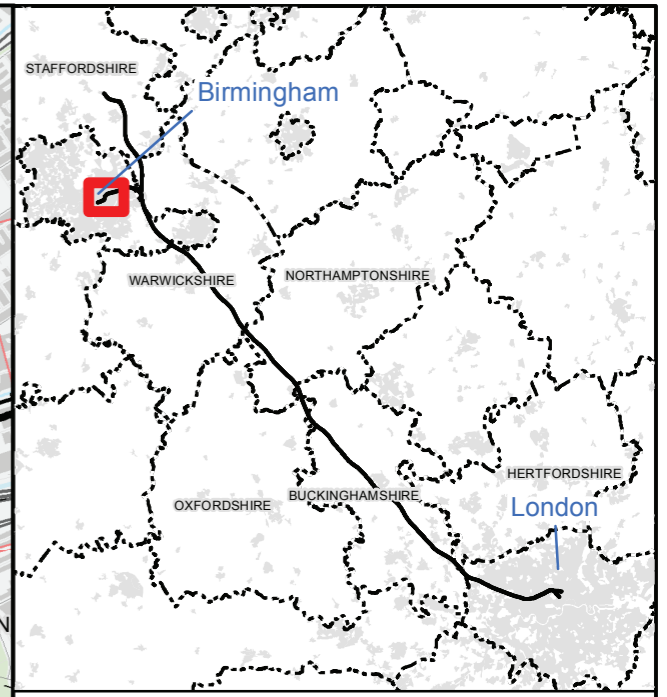
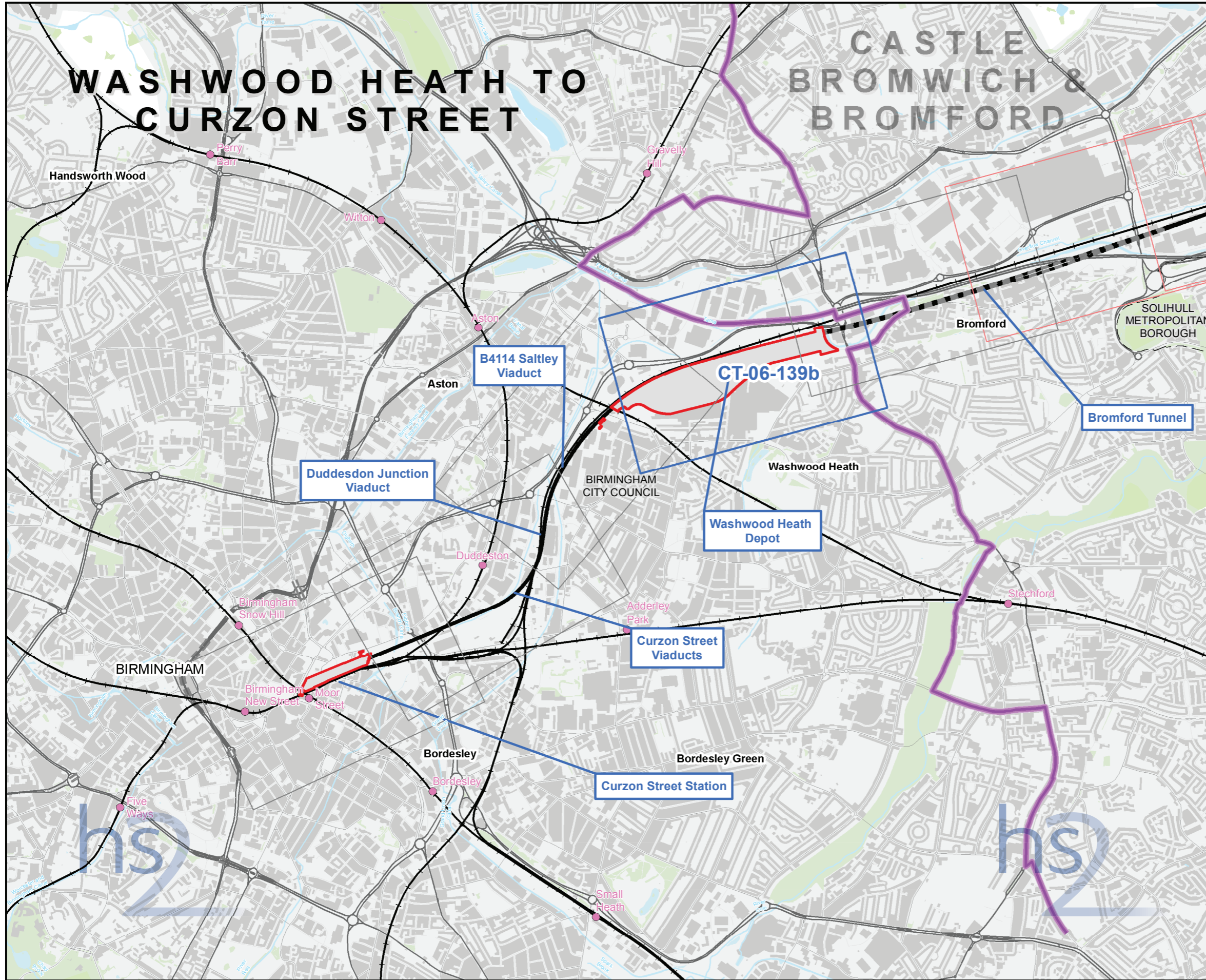
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WASHWOOD HEATH TO CURZON STREET

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Map Series Information:

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Map Number	CT-06-INDEX-CFA26
Map Name	Index Map of: Proposed Scheme AP1 Community Forum Area CFA26: Washwood Heath to Curzon Street

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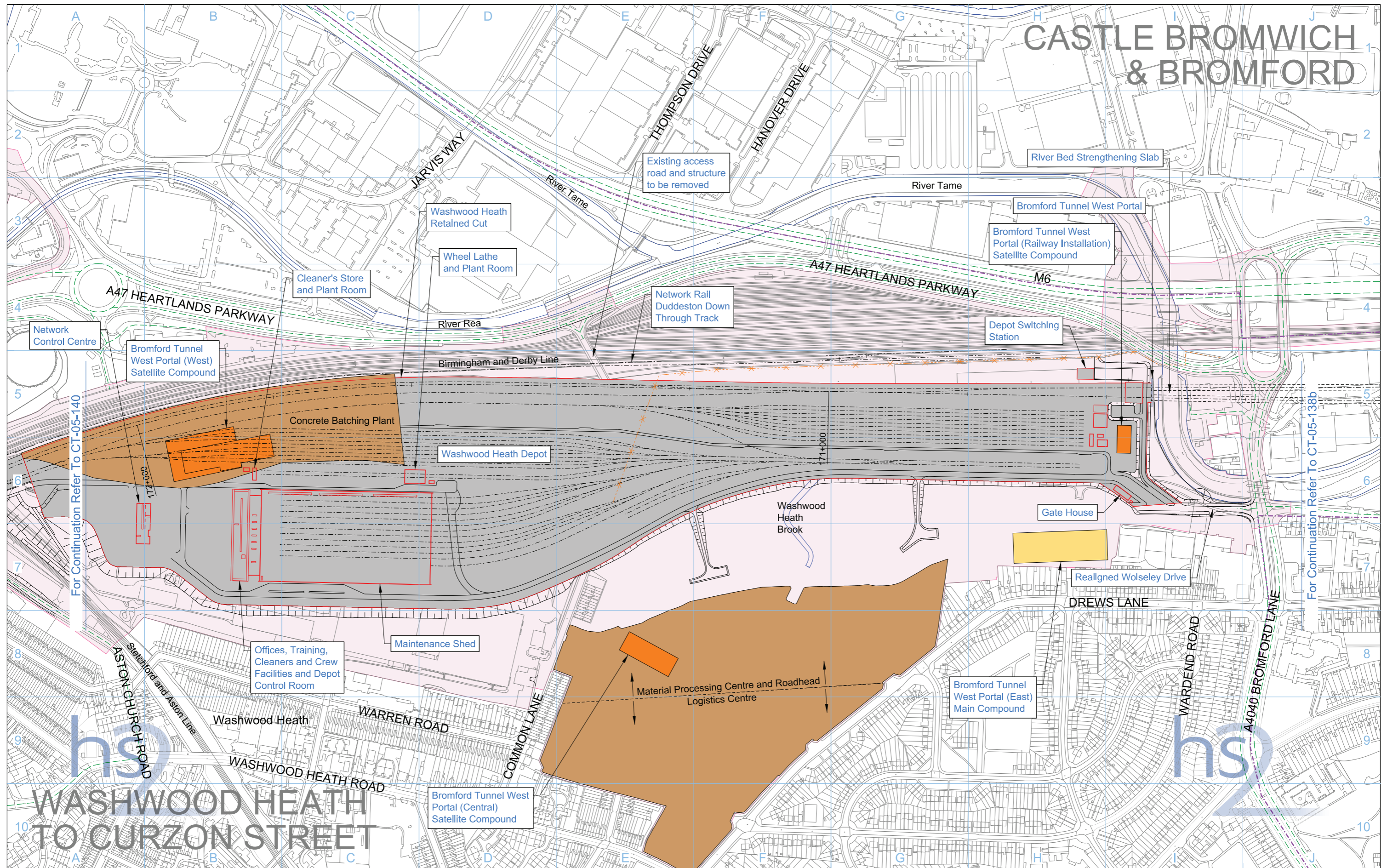
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Date: 19/08/14

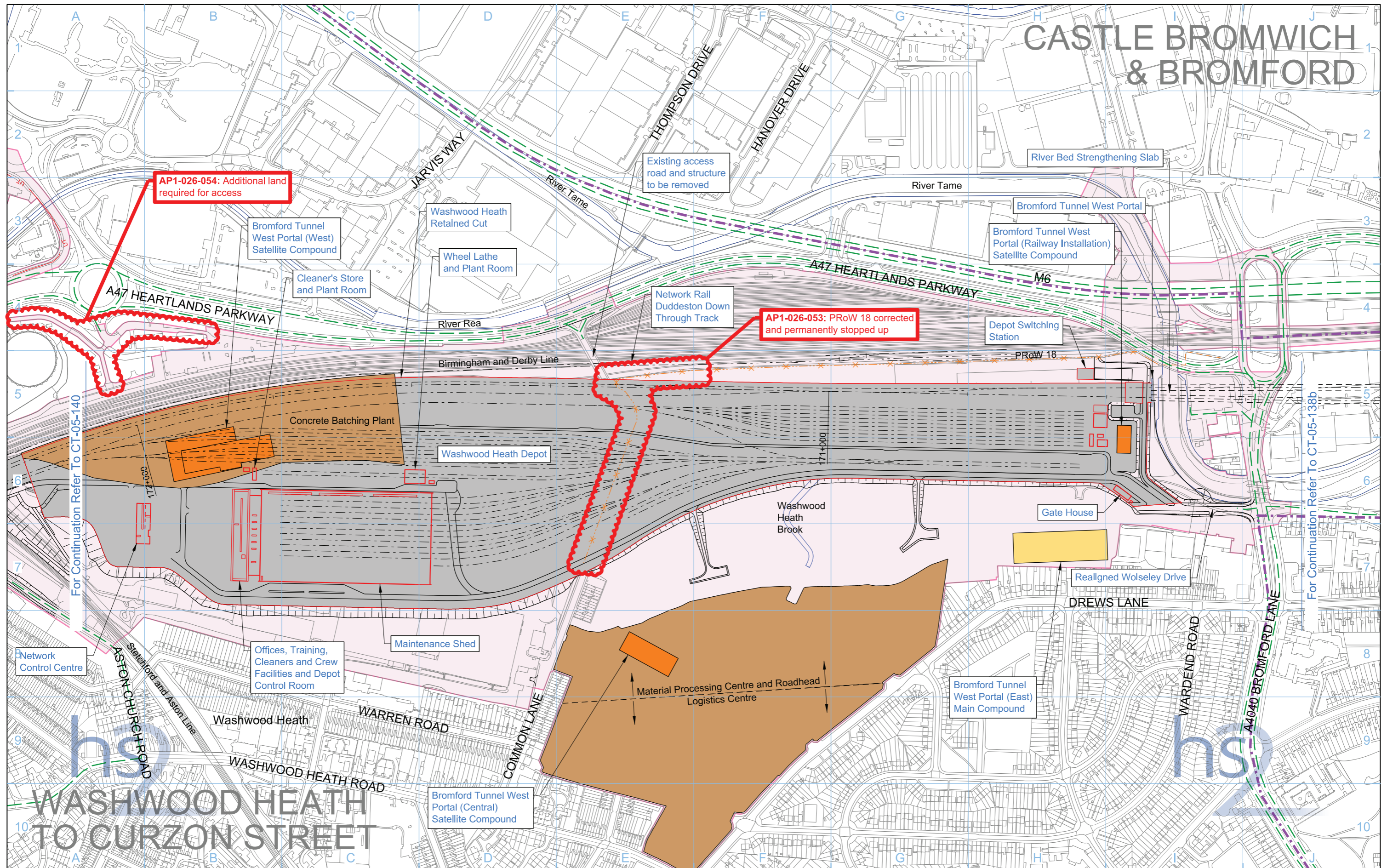
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WASHWOOD HEATH TO CURZON STREET

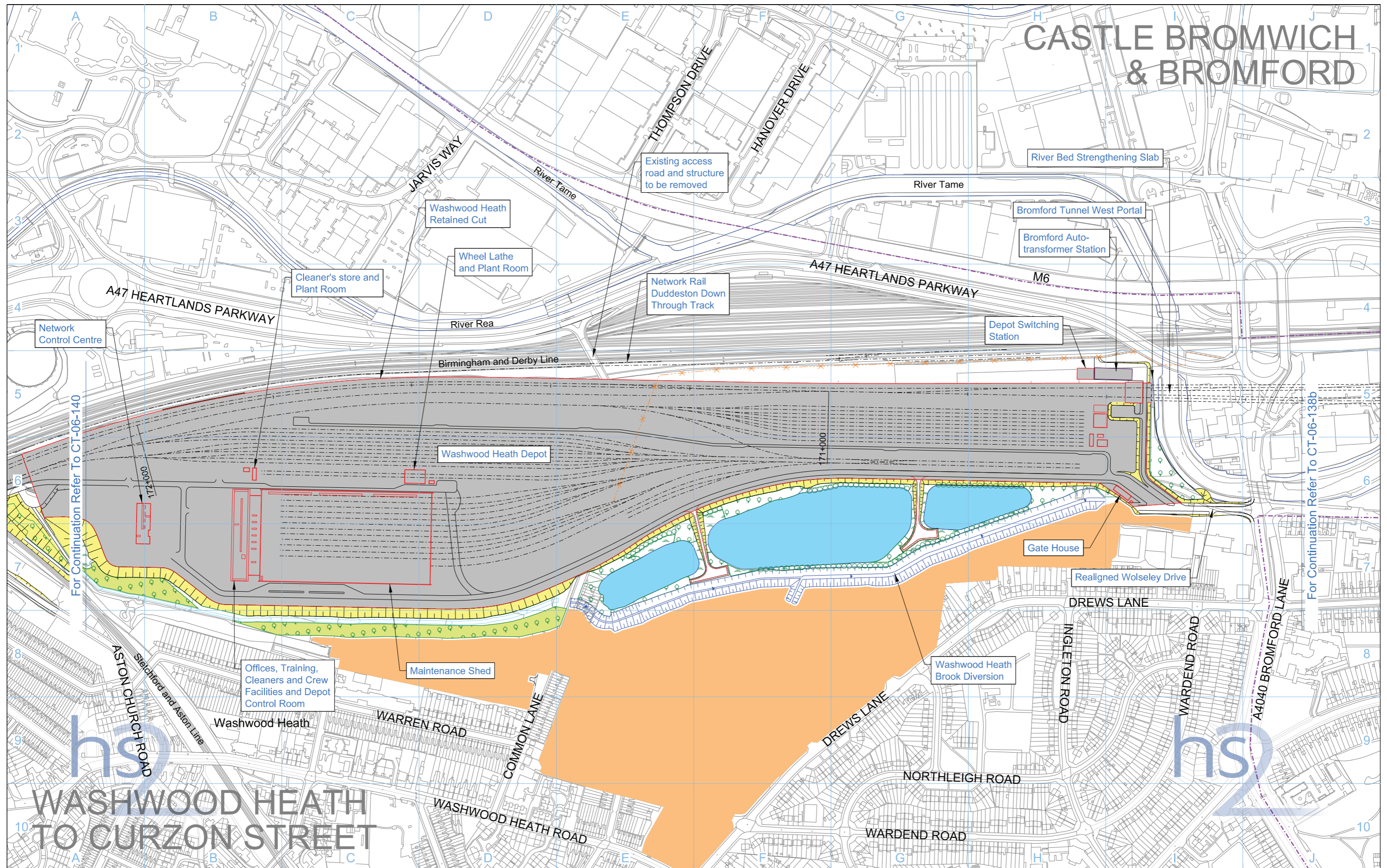
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Legend <ul style="list-style-type: none"> Depot, station, headhouse or portal building Tunnel portal Main construction compound Satellite construction compound Temporary material stockpile Rail alignment formation Landscape earthworks Engineering earthworks 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-05-139b Map Name Construction Phase AP1 Community Forum Area CFA26 Washwood Heath to Curzon Street	HST 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: One Canada Square, London, E14 5AB Scale at A3: 1:5,000 0 50 100 150 200 250 Metres © Crown copyright and database rights 2014, Ordnance Survey Licence Number 100049190. Doc Number: C224-ARP-EV-DPL-040-205139-AP01 P01 Date: 29/07/14
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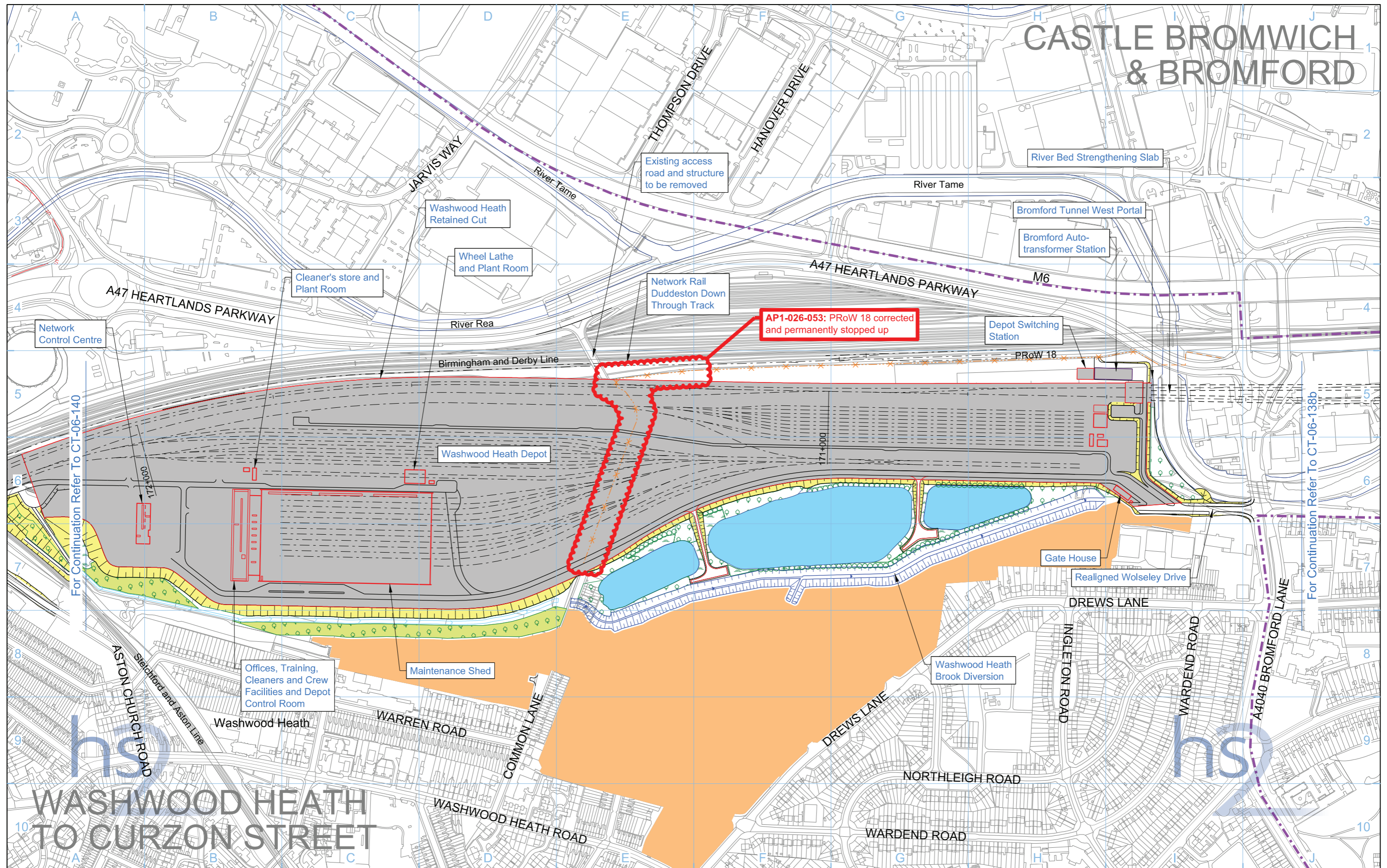
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WASHWOOD HEATH TO CURZON STREET

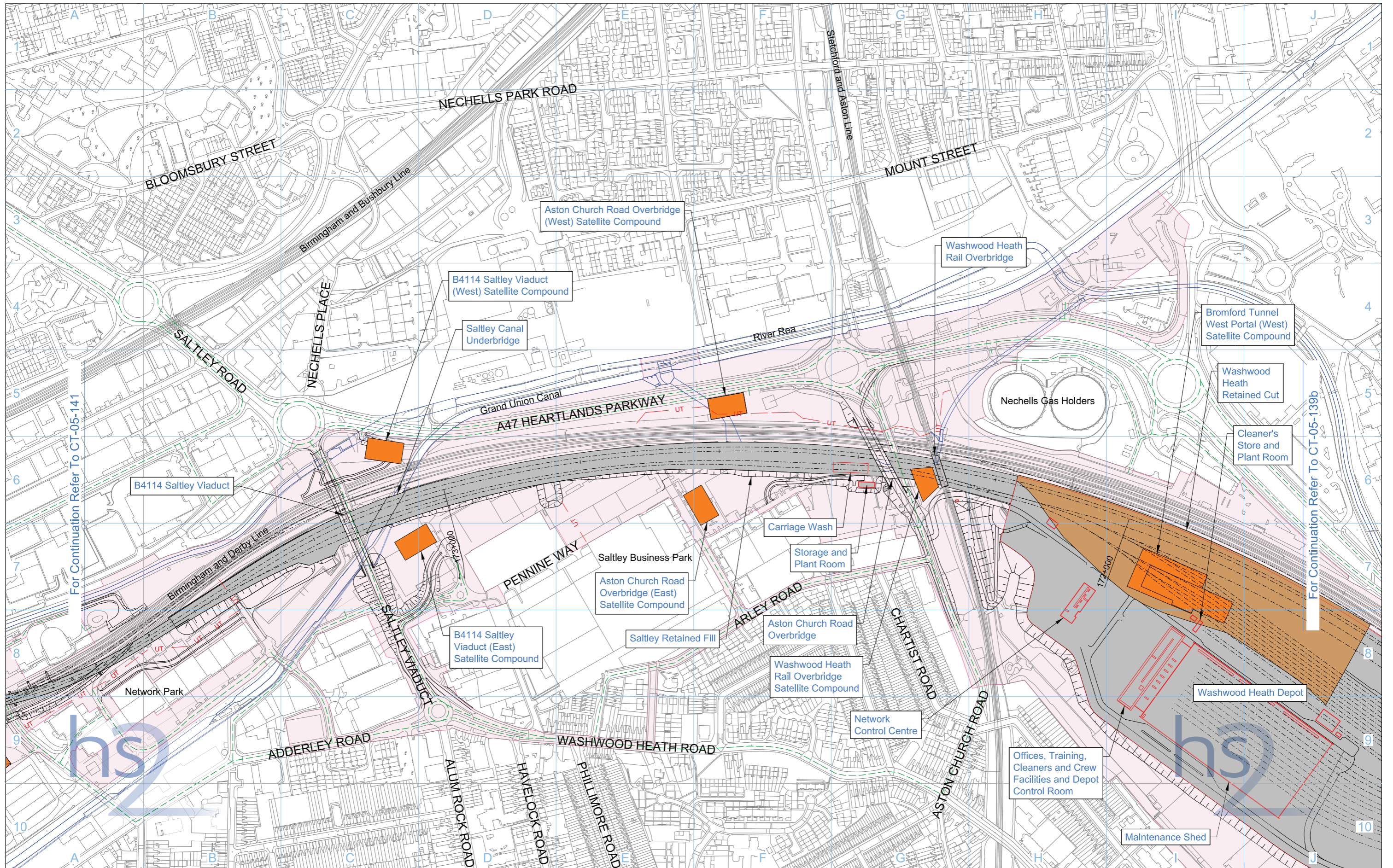
Legend <ul style="list-style-type: none"> Depot, station, headhouse or portal building Tunnel portal Electricity substation Land drainage area Ecological mitigation pond Balancing pond 		<ul style="list-style-type: none"> Replacement floodplain storage Woodland habitat creation Wetland habitat creation Grassland habitat creation Landscape mitigation planting (scrub / woodland) Grassed areas Sustainable placement 		<ul style="list-style-type: none"> Public realm Engineering earthworks Landscape earthworks Rail alignment formation Returned to suitable development use County boundary Borough / District boundary 		<ul style="list-style-type: none"> 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 		<ul style="list-style-type: none"> Stopped-up PRoW Tunnels external extent Rail alignment HS2 Access road Noise fence barrier Chainage (e.g. 10+000) 		Map Number: CT-06-139b Map Name: Proposed Scheme Community Forum Area: CFA26 Washwood Heath to Curzon Street		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 Scale at A3: 1:5,000 © Crown copyright and database rights 2013, Ordnance Survey Licence Number 100049190. Doc Number: C224-ARP-EV-DPL-040-206139 P06 Date: 29/10/13	
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CASTLE BROMWICH & BROMFORD

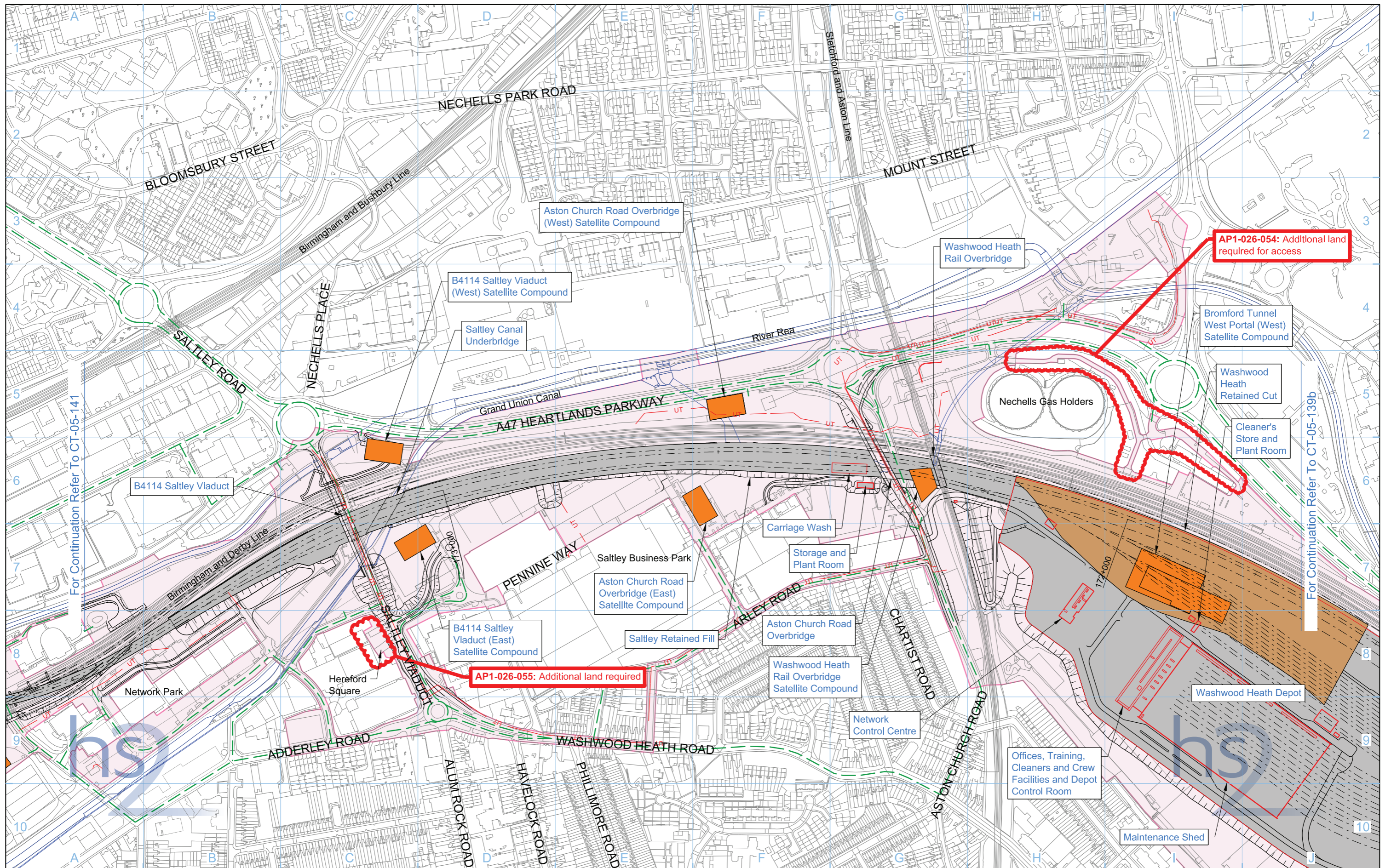


WASHWOOD HEATH TO CURZON STREET

Legend <ul style="list-style-type: none"> Depot, station, headhouse or portal building Tunnel portal Electricity substation Land drainage area Ecological mitigation pond Balancing pond 		<ul style="list-style-type: none"> Replacement floodplain storage Woodland habitat creation Wetland habitat creation Grassland habitat creation Landscape mitigation planting (scrub / woodland) Grassed areas Sustainable placement 		<ul style="list-style-type: none"> Public realm Engineering earthworks Landscape earthworks Rail alignment formation Returned to suitable development use County boundary Borough / District boundary 		<ul style="list-style-type: none"> 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 		<ul style="list-style-type: none"> Stopped-up PRoW Tunnels external extent Rail alignment HS2 Access road Noise fence barrier Chainage (e.g. 10+000) 		Map Number: CT-06-139b Map Name: Proposed Scheme AP1 Community Forum Area: CFA26 Washwood Heath to Curzon Street		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: One Canada Square, London, E14 5AB Scale at A3: 1:5,000 © Crown copyright and database rights 2014, Ordnance Survey Licence Number 100049190. Doc Number: C224-ARP-EV-DPL-040-206139-AP01 P01 Date: 29/07/14	
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Legend 		Map Information Map Number: CT-05-140 Map Name: Construction Phase Community Forum Area: CFA26 Washwood Heath to Curzon Street		 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 Scale at A3: 1:5,000 © Crown copyright and database rights 2013. Ordnance Survey Licence Number 100049190. Doc Number: C224-ARP-EV-DPL-040-205140 P06 Date: 29/10/13	
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Legend <ul style="list-style-type: none"> Depot, station, headhouse or portal building Tunnel portal Main construction compound Satellite construction compound Temporary material stockpile 		<ul style="list-style-type: none"> Rail alignment formation Landscape earthworks Engineering earthworks County boundary Borough / District boundary Land potentially required during construction 		<ul style="list-style-type: none"> Community forum boundary Existing watercourse Tunnels external extent Construction traffic route Existing public right of way (PRoW) New, diverted or realigned PRoW 		<ul style="list-style-type: none"> Stopped-up PRoW Temporary PRoW diversion / realignment Temporary highway diversion / realignment Main utility works 		<ul style="list-style-type: none"> Chainage (e.g. 10+000) Rail alignment 		Map Number CT-05-140 Map Name Construction Phase AP1 Community Forum Area CFA26 Washwood Heath to Curzon Street		<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 06791686 Registered office: One Canada Square, London, E14 5AB</p> <p>Scale at A3: 1:5,000</p> <p>© Crown copyright and database rights 2014. Ordnance Survey Licence Number 100049190.</p> <p>Doc Number: C224-ARP-EV-DPL-040-205140-AP01 P01 Date: 29/07/14</p>	
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