



Department  
for Transport

**HS2**

# High Speed Two: Western Leg Design Refinement Consultation Map Book

**Visualisations and Plans**

**Moving Britain Ahead**





# **High Speed Two: Western Leg Design Refinement Consultation Map Book**

Presented to Parliament  
by the Minister of State for Transport  
by Command of Her Majesty

October 2020



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# 1. Introduction

## Background

- 1.1 This mapbook accompanies Volume 1 of HS2 Phase 2b Western Leg Design Refinement Consultation which describes proposed changes.
- 1.2 The HS2 Phase 2b Western Leg Design Refinement Consultation will run until 11.45pm on 11 December 2020.
- 1.3 Details of how to respond to this consultation are provided on page 57 of this document.
- 1.4 The information contained in this document can also be found online at: <https://www.gov.uk/government/consultations/hs2-phase-2b-western-leg-design-refinement-consultation>. Hard copies of this consultation document and the associated response form can also be obtained via the HS2 Helpdesk, the details of which are on page 57 of this map book.

## Ordnance Survey data

- 1.5 All maps produced as part of this consultation update contain Ordnance Survey (OS) data. HS2 Ltd uses the most up to date mapping available, where possible, supplied by the OS and as such, cannot be held responsible for any inaccuracies within this data. As part of the licence conditions, all digital maps carry a watermark.

## Chainage

- 1.6 Most of the maps presented have a chainage value shown on the proposed railway alignment. Chainage is presented in the form of XX+YYY, e.g. 192+000 or 239+500. Chainage (known as reference chainage) is referenced from Euston Station, which is 0+000, and the value presented is in metres, e.g. 192+000 refers to the point, 192,000m, or 192km, from Euston Station. Chainage values increase in intervals 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 1:20,000, 1:10,000, 1:5,000 and 1:2,500 scales, chainage is shown at 1km intervals. Chainage has been included on the maps as a useful tool for comparing different map sets.

## Arrangement and orientation

- 1.7 The majority of the maps presented in this map book show the railway alignment running horizontally across the page with the direction of travel to London to the left of the page, and Edinburgh and Glasgow to the right.
- 1.8 Visualisations have been included for each of the proposed changes. Each visualisation includes two images, arranged one of top of the other. In each case the top image displays a “Current Baseline” view (i.e. pre-railway) and the bottom image displays a view of the “Proposed Scheme” (i.e. once the railway has been built). Illustrations of the proposed Manchester Piccadilly Station have also been included.

# Summary of proposed refinements

1.9 The table below provides details of the proposed changes that the Minister of State is minded to include in the design that is submitted to Parliament as part of the Phase 2b Western Leg hybrid Bill. Each proposed change is described in further detail in Volume 1 of the WLDRC.

Proposed Design Refinement	The Minister of State is minded to
1 Crewe Northern Connection & changes to the design of Crewe North Rolling Stock Depot	<p>Make two changes to the design north of Crewe to:</p> <ul style="list-style-type: none"> <li>● Include Crewe Northern Connection in the design for HS2 to enable the benefits of NPR and the Crewe Hub to be realised in future with more and quicker services to the north; and</li> <li>● modify the design of the Crewe North Rolling Stock Depot to provide the required stabling and maintenance facilities for HS2 rolling stock and support the efficient operation of the HS2 network.</li> </ul>
2 Changes to the design around Manchester Airport High Speed station	<p>Make changes to the design at Manchester Airport High Speed station to:</p> <ul style="list-style-type: none"> <li>● provide two additional platforms (giving a total of four platforms) to accommodate future service growth and the use of HS2 infrastructure as part of Northern Powerhouse Rail; and</li> <li>● update the designs for provision of a future Metrolink stop at the HS2 station; and</li> <li>● improve the future road network around the station.</li> </ul>
3 Changes to the design around Manchester Piccadilly High Speed station	<p>Make changes to the design around the proposed Manchester Piccadilly High Speed station to:</p> <ul style="list-style-type: none"> <li>● provide an additional two platforms (giving a total of six platforms) to allow future use of HS2 infrastructure as part of Northern Powerhouse Rail (NPR); and</li> <li>● relocate the Piccadilly Metrolink station beneath the HS2/NPR station and make provision for a second Metrolink stop in the event of future expansion of the Metrolink system to the east of the city; and</li> <li>● make passive provision for the junction required for a future connection to Leeds as part of NPR; and</li> <li>● change the horizontal alignment of the approach to the station to reduce impacts on the Ardwick train care facility; and</li> <li>● improve the intended road network around the station to avoid disruption to road users and re-provide highways around HS2 works.</li> </ul>
4 The introduction of a new train stabling facility at Annandale, in Dumfries and Galloway	<p>Include a train stabling facility in Dumfries and Galloway (between the A74(M) and West Coast Main Line), to stable and carry out light maintenance on High Speed trains serving the north west of England and Scotland.</p>



# Freedom of Information and Data Protection

Information provided in response to this consultation, including personal information, may be subject to publication or disclosure in accordance with the access to information regimes. These are primarily the Freedom of Information Act 2000 (FOIA), the Environmental Information Regulations (EIR) 2004, the Data Protection Act (DPA) 2018, and the General Data Protection Regulation (GDPR).

Please be aware that, under the FOIA and the EIR, there is a statutory Code of Practice with which public authorities must comply and which deals with, amongst other things, obligations of confidence.

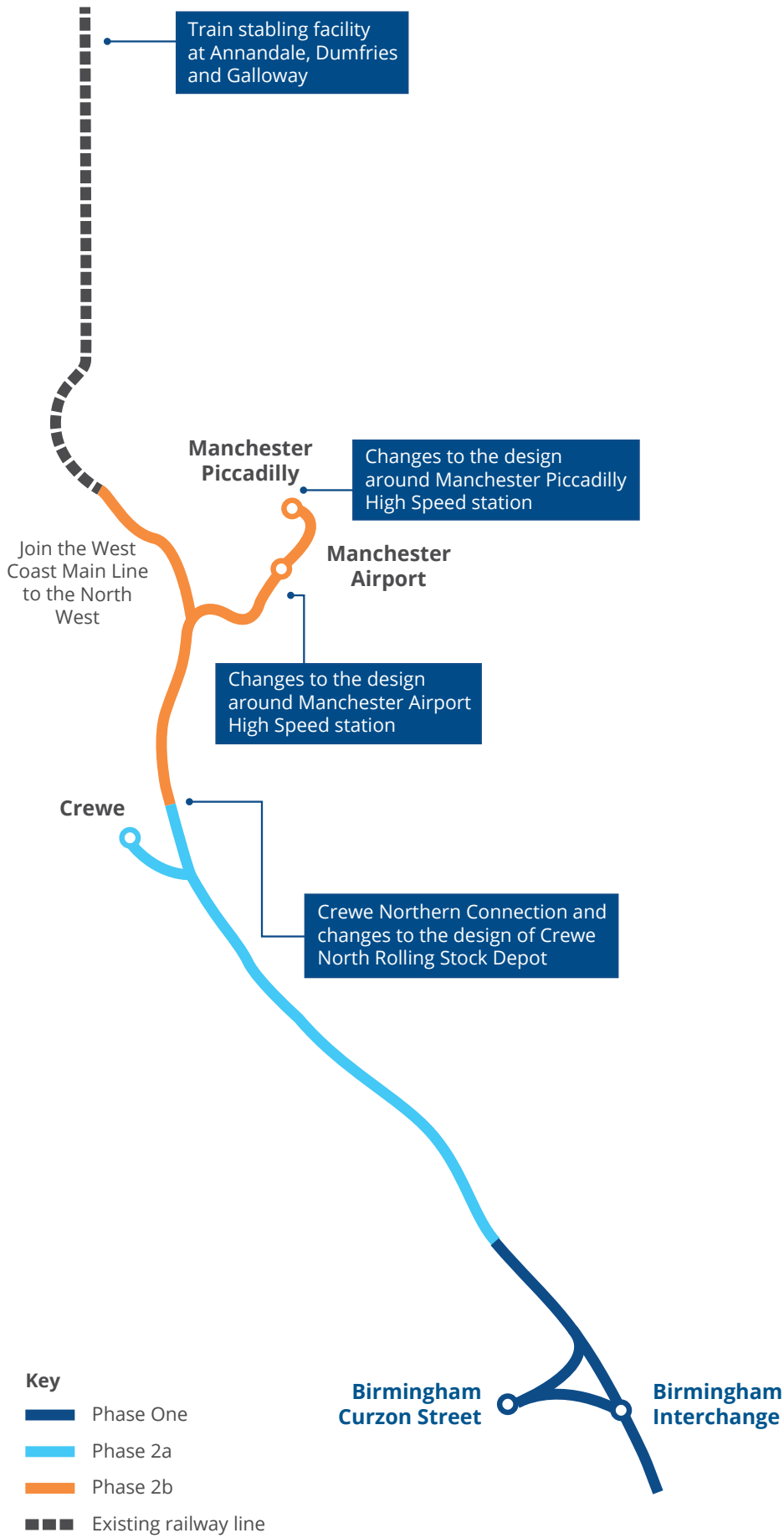
In view of this, if you wish your response to be considered in confidence, it would be helpful if you could explain to us why you regard the information you have provided as confidential. Space is provided on the response form for this consultation to do this.

If we receive a request for disclosure of the information, we will take full account of your explanation, but we cannot give an assurance that confidentiality can be maintained in all circumstances. An automatic confidentiality disclaimer generated by your IT system will not, in itself, be regarded as binding on the Department for Transport or HS2 Ltd.

The Department for Transport, HS2 Ltd and Ipsos MORI will process your personal data in accordance with the DPA 2018 and GDPR. We may share your personal information with our partner agencies and government, when doing so enables us to fully consider your response. If you change your mind about us using your personal information you have a right to have the relevant information deleted. If this is the case, please email [hs2dataprotection@hs2.org.uk](mailto:hs2dataprotection@hs2.org.uk).

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# 2. Locations of the proposed refinements

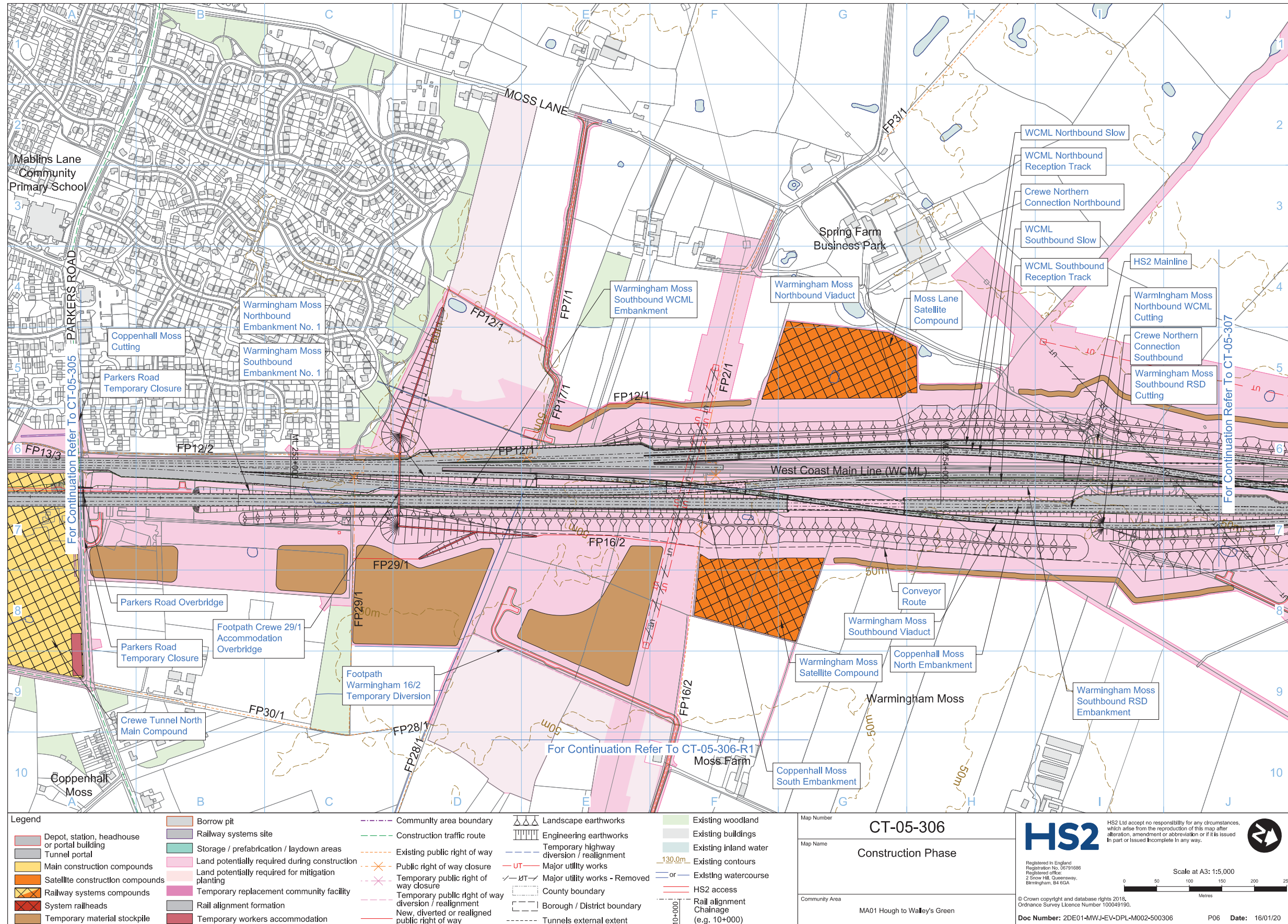


# 3. Design refinements

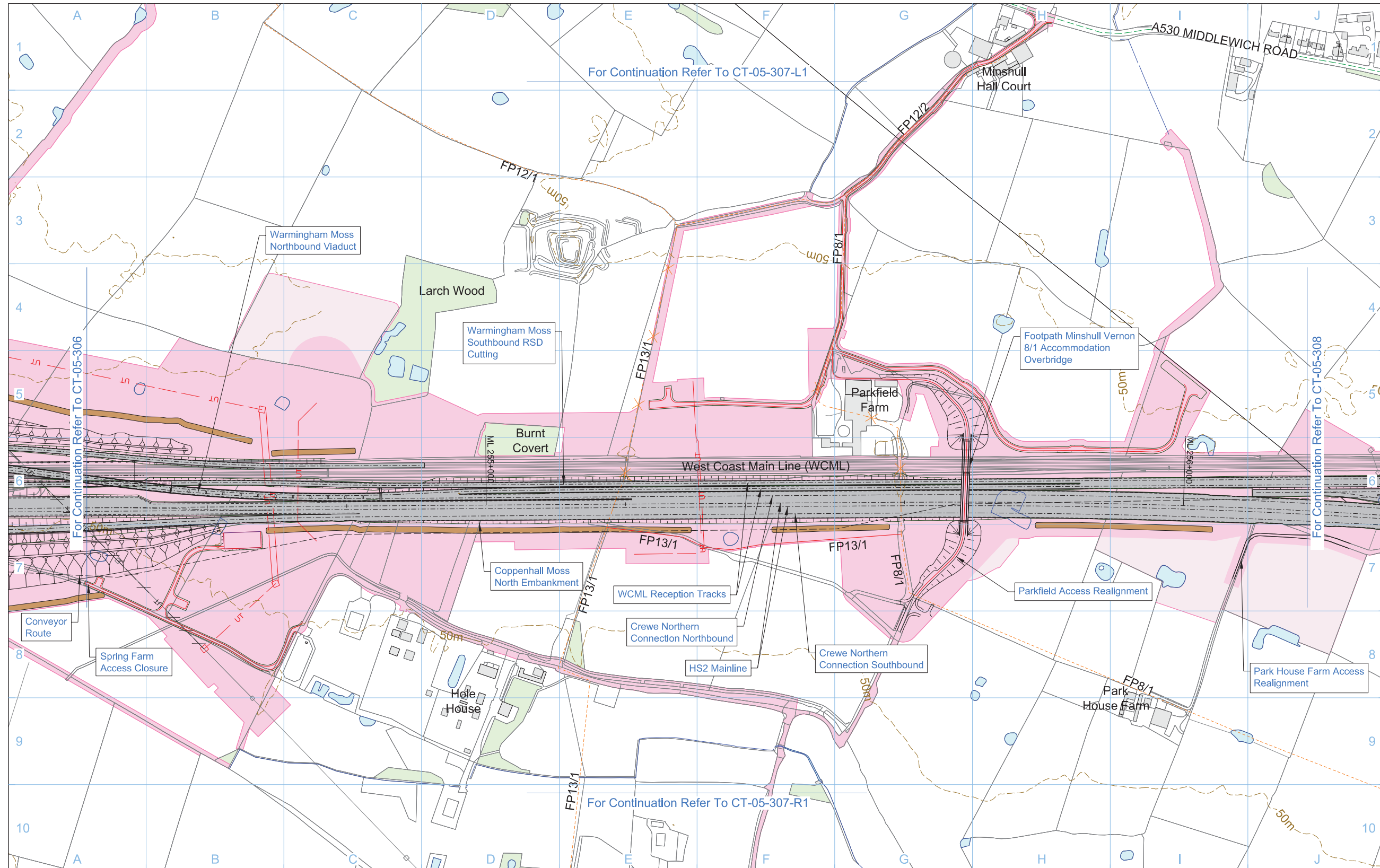
## 3.1 Crewe Northern Connection and changes to design of Crewe North rolling stock depot

### 3.1.1 Construction phase plans

#### Proposed refinement (2020): North Crewe/Warmingham Moss South

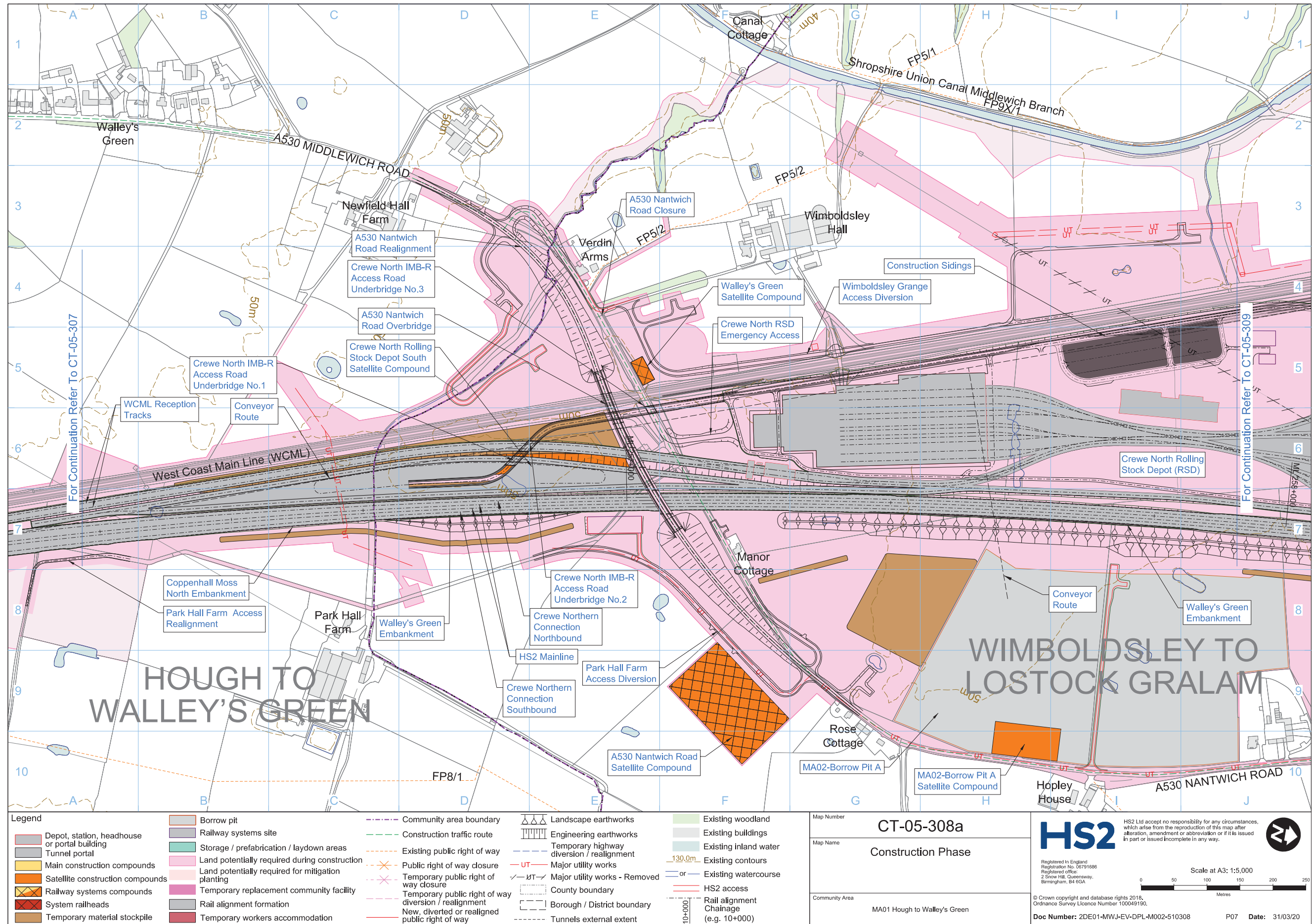


# Proposed refinement (2020): Crewe Northern Connection (Parkfield Farm)

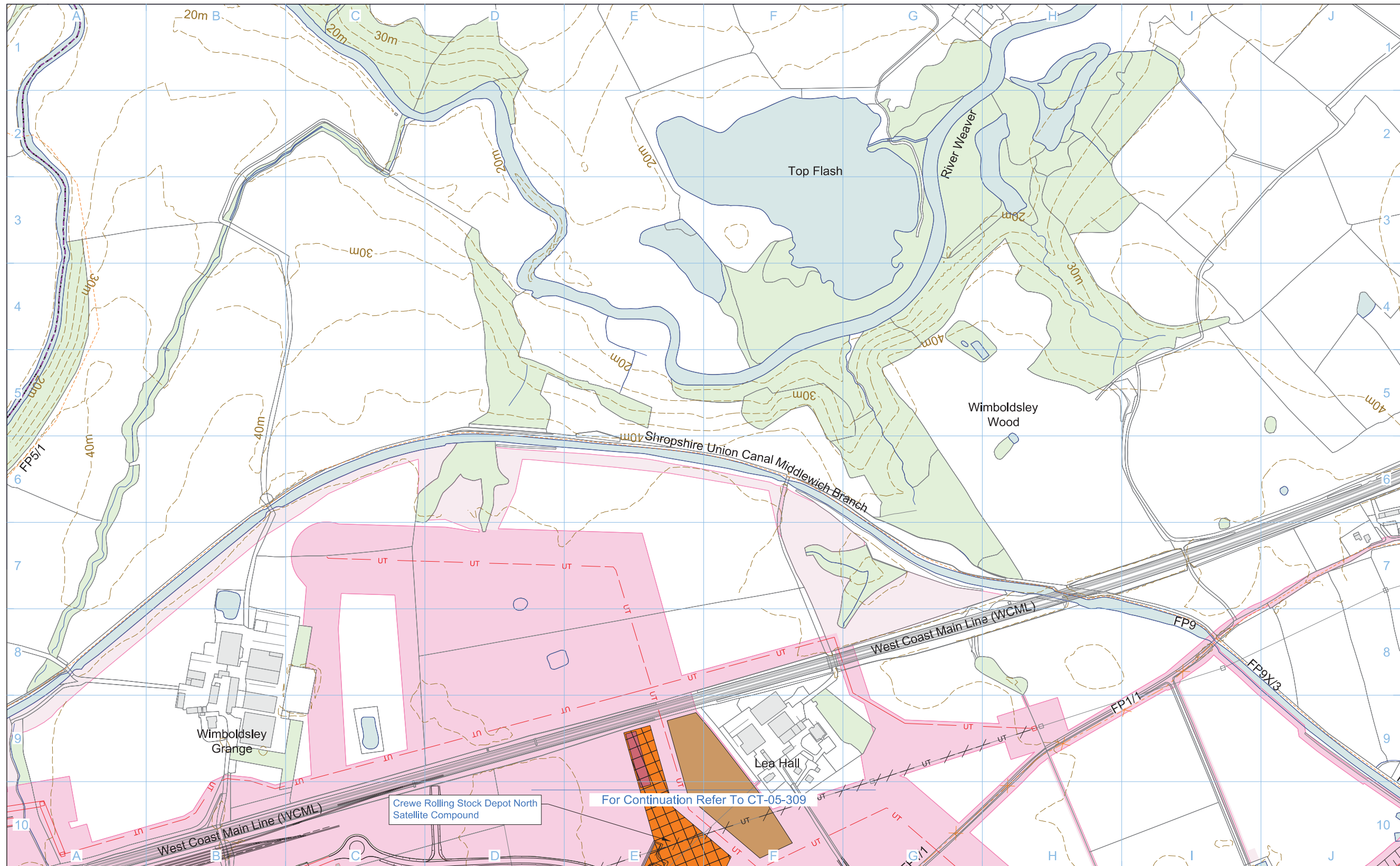


<b>Legend</b> <ul style="list-style-type: none"> <li>Depot, station, headhouse or portal building</li> <li>Tunnel portal</li> <li>Main construction compounds</li> <li>Satellite construction compounds</li> <li>Railway systems compounds</li> <li>System railheads</li> <li>Temporary material stockpile</li> <li>Borrow pit</li> <li>Railway systems site</li> <li>Storage / prefabrication / laydown areas</li> <li>Land potentially required during construction</li> <li>Land potentially required for mitigation planting</li> <li>Temporary replacement community facility</li> <li>Rail alignment formation</li> <li>Temporary workers accommodation</li> <li>Community area boundary</li> <li>Construction traffic route</li> <li>Existing public right of way</li> <li>Public right of way closure</li> <li>Temporary public right of way closure</li> <li>Temporary public right of way diversion / realignment</li> <li>New, diverted or realigned public right of way</li> <li>Landscape earthworks</li> <li>Engineering earthworks</li> <li>Temporary highway diversion / realignment</li> <li>Major utility works</li> <li>Major utility works - Removed</li> <li>County boundary</li> <li>Borough / District boundary</li> <li>Tunnels external extent</li> <li>Existing woodland</li> <li>Existing buildings</li> <li>Existing inland water</li> <li>Existing contours</li> <li>Existing watercourse</li> <li>HS2 access</li> <li>Rail alignment Chainage (e.g. 10+000)</li> </ul>		Map Number <b>CT-05-307</b> Map Name <b>Construction Phase</b> Community Area MA01 Hough to Walley's Green	<p>Registered in England                  Registration No. 06791686                  Registered office:                  2 Snow Hill, Queensway,                  Birmingham, B4 6GA</p> <p>Scale at A3: 1:5,000</p> <p>0 50 100 150 200 250 Metres</p> <p>© Crown copyright and database rights 2016.                  Ordnance Survey Licence Number 100049190.</p> <p>Doc Number: 2DE01-MWJ-EV-DPL-M002-500307 P06 Date: 16/01/20</p>
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# Proposed refinement (2020): Crewe North Rolling Stock Depot (Wimboldsley Hall)



# Proposed refinement (2020): Wimboldsley Wood WCML



Legend	
Depot, station, headhouse or portal building	Borrow pit
Tunnel portal	Railway systems site
Main construction compounds	Storage / prefabrication / laydown areas
Satellite construction compounds	Land potentially required during construction
Railway systems compounds	Land potentially required for mitigation planting
System railheads	Temporary replacement community facility
Temporary material stockpile	Rail alignment formation
Community area boundary	Temporary workers accommodation
Construction traffic route	Major utility works
Existing public right of way	Major utility works - Removed
Public right of way closure	Temporary public right of way closure
Temporary public right of way diversion / realignment	New, diverted or realigned public right of way
Temporary highway diversion / realignment	County boundary
Major utility works	Borough / District boundary
Major utility works - Removed	Tunnels external extent
Landscape earthworks	Existing woodland
Engineering earthworks	Existing buildings
Temporary highway diversion / realignment	Existing inland water
Major utility works	Existing contours
Major utility works - Removed	Existing watercourse
County boundary	HS2 access
Borough / District boundary	Rail alignment Chainage (e.g. 10+000)
Tunnels external extent	

Map Number	CT-05-309-L1
Map Name	Construction Phase
Community Area	MA02 Wimboldsley to Lostock Gralam

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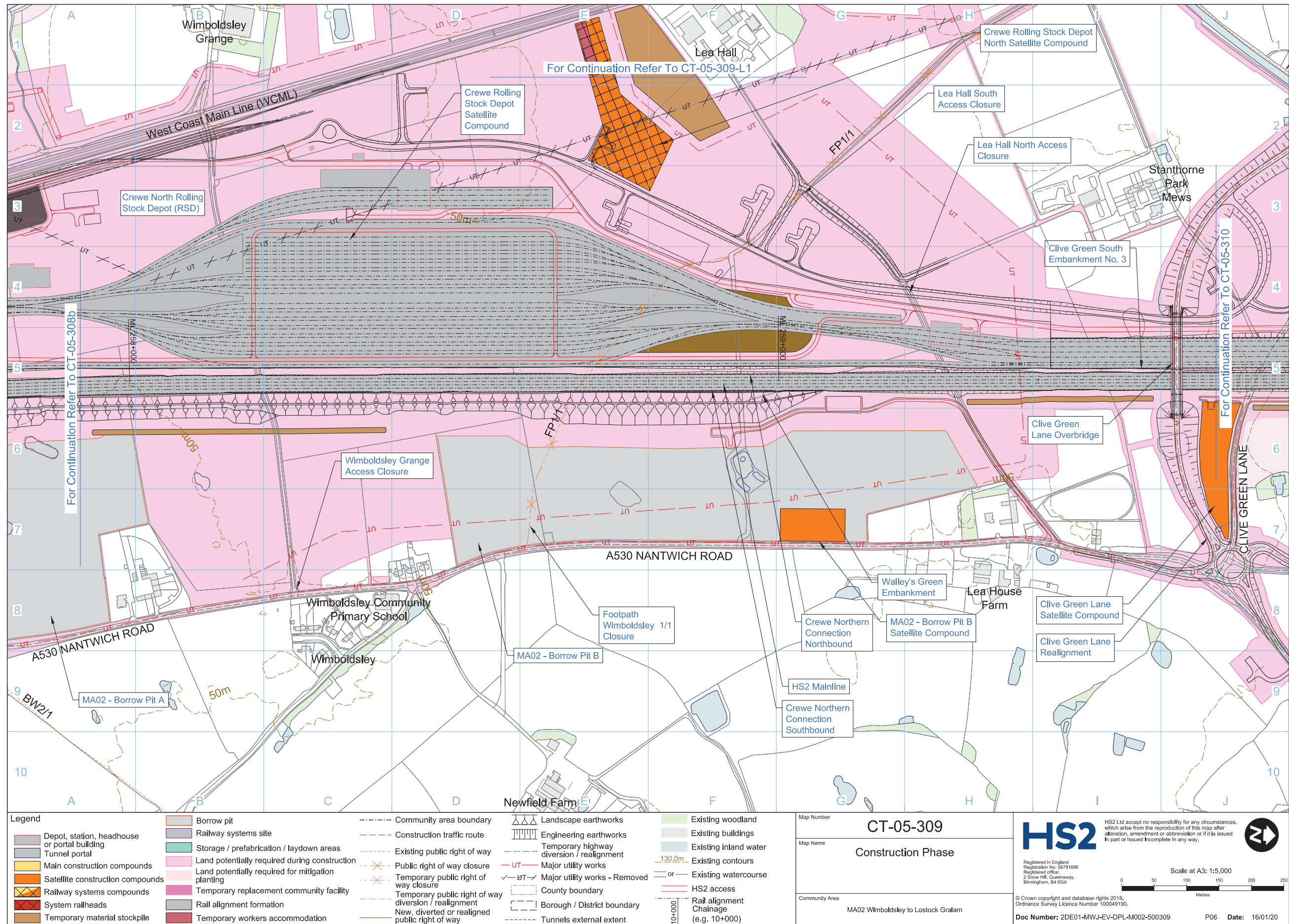
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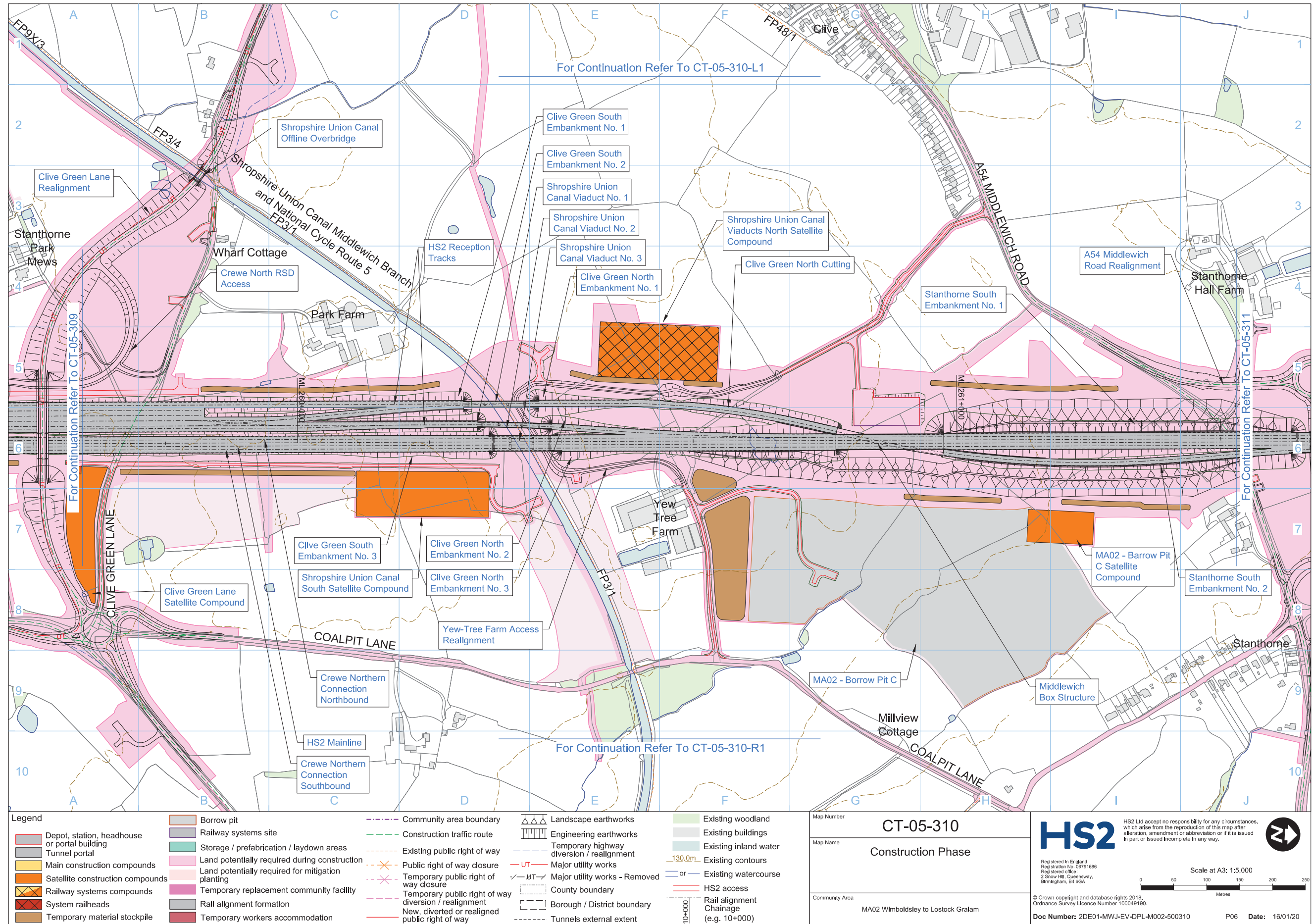
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# Proposed refinement (2020): Crewe Rolling Stock Depot Satellite Compound (Wimboldsley Community Primary School)

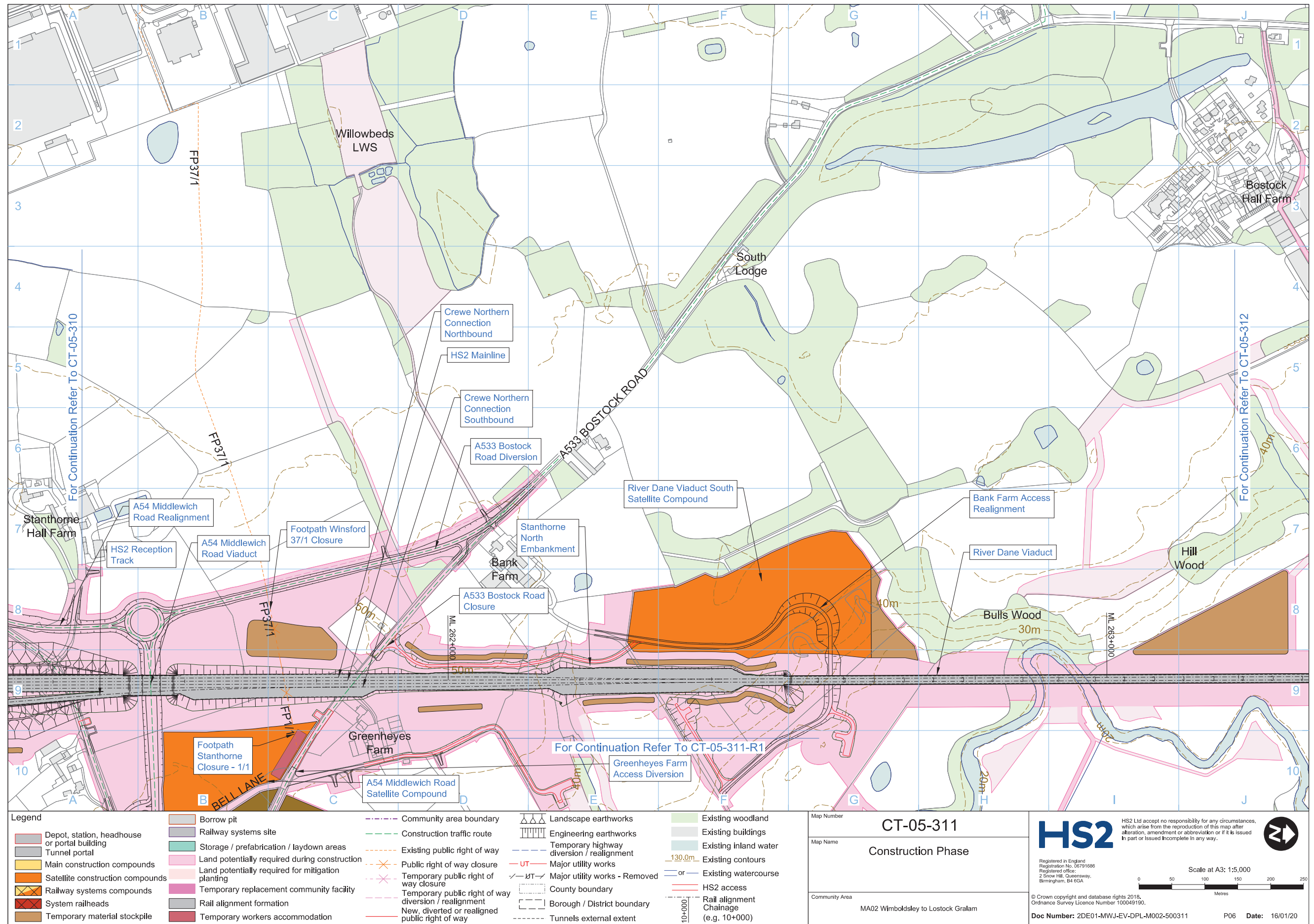


# Proposed refinement (2020): HS2 Shropshire Union Canal Crossing, Wimboldsley





# Proposed refinement (2020): River Dane Viaduct



Legend	
	Depot, station, headhouse or portal building
	Tunnel portal
	Main construction compounds
	Satellite construction compounds
	Railway systems compounds
	System railheads
	Temporary material stockpile
	Borrow pit
	Railway systems site
	Storage / prefabrication / laydown areas
	Land potentially required during construction
	Land potentially required for mitigation planting
	Temporary replacement community facility
	Rail alignment formation
	Temporary workers accommodation
	Community area boundary
	Construction traffic route
	Existing public right of way
	Public right of way closure
	Temporary public right of way closure
	Temporary public right of way diversion / realignment
	New, diverted or realigned public right of way
	Landscape earthworks
	Engineering earthworks
	Temporary highway diversion / realignment
	Major utility works
	Major utility works - Removed
	County boundary
	Borough / District boundary
	Tunnels external extent
	Existing woodland
	Existing buildings
	Existing inland water
	Existing contours
	Existing watercourse
	HS2 access
	Rail alignment Chainage (e.g. 10+000)

Map Number	CT-05-311
Map Name	Construction Phase
Community Area	MA02 Wimboldsley to Lostock Gralam

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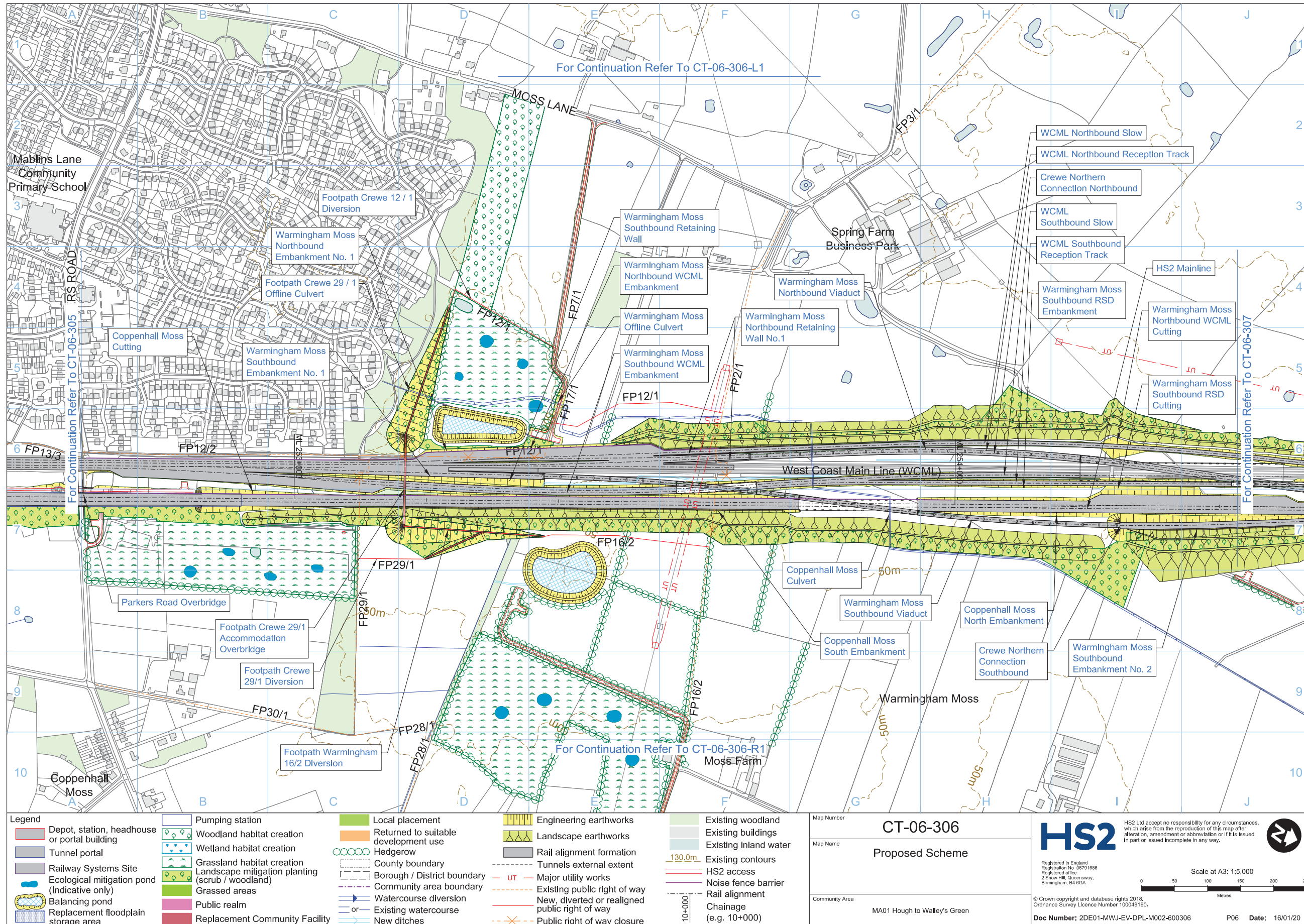
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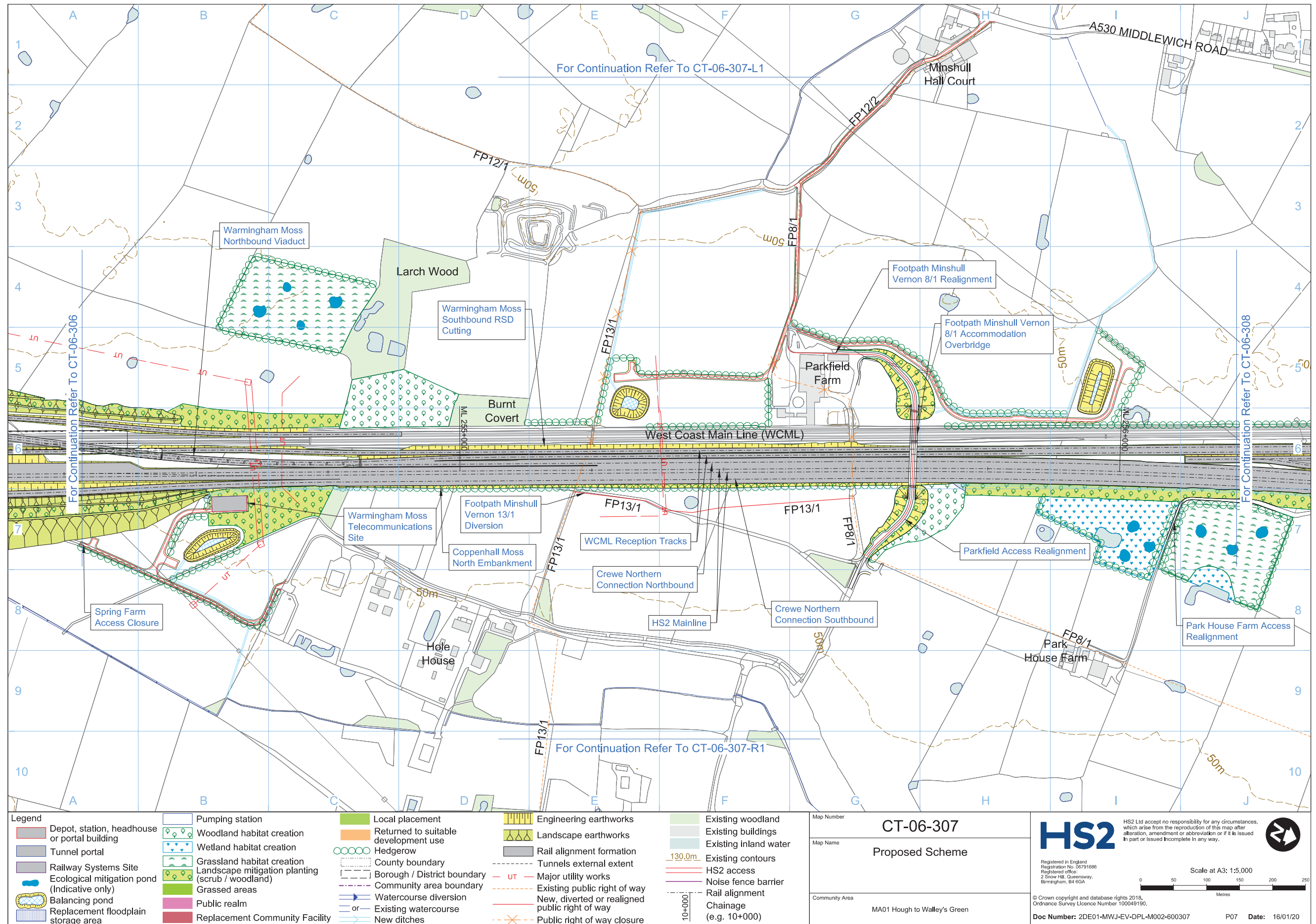
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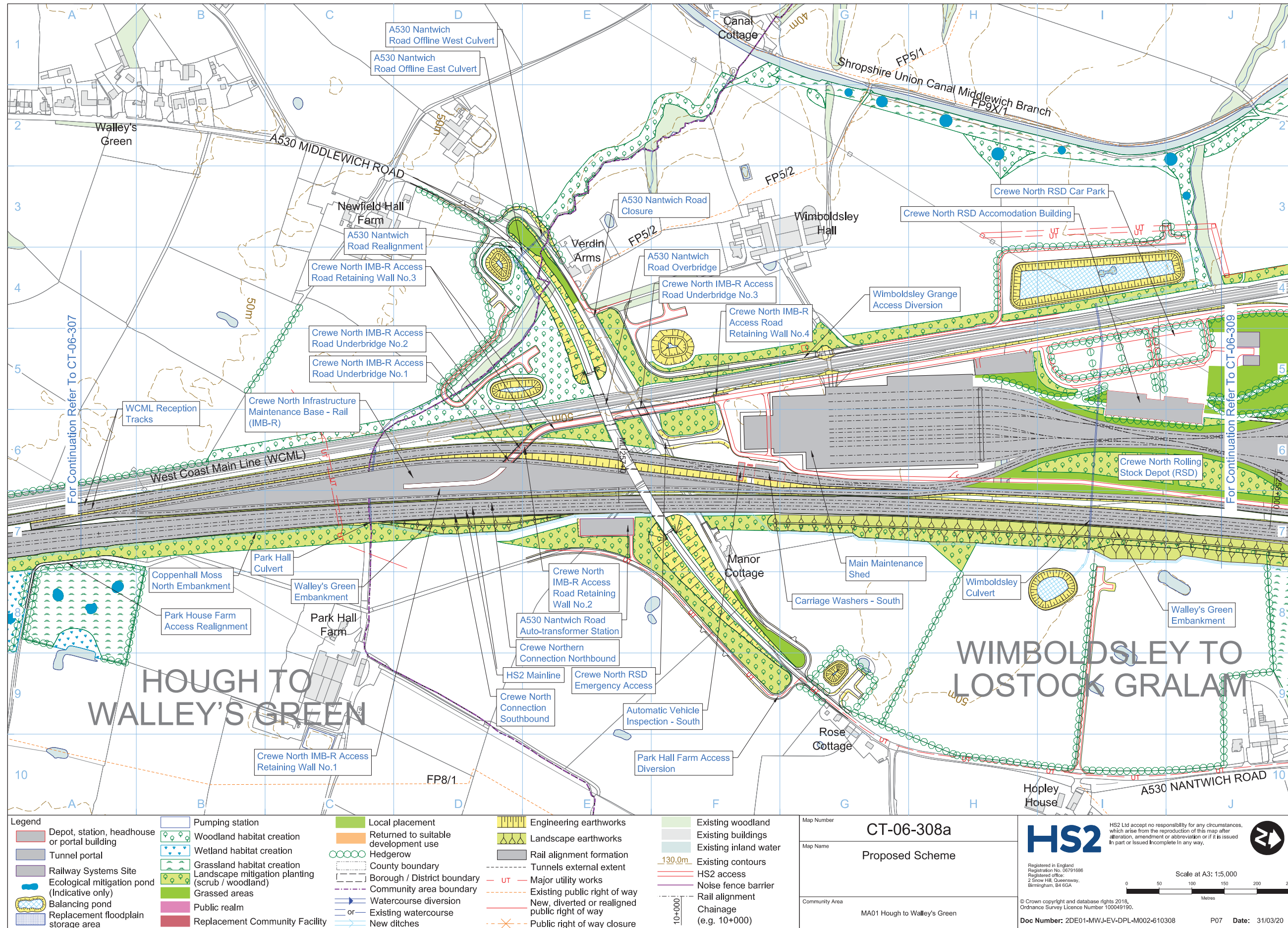
### 3.1.2 Operational phase plans: North Crewe town/Warmingham Moss South Proposed refinement (2020)



# Proposed refinement (2020): Crewe Northern Connection (Parkfield Farm)



# Proposed refinement (2020): Crewe North Rolling Stock Depot (Wimboldsley Hall)



Legend	
	Depot, station, headhouse or portal building
	Tunnel portal
	Railway Systems Site
	Ecological mitigation pond (Indicative only)
	Balancing pond
	Replacement floodplain storage area
	Pumping station
	Woodland habitat creation
	Wetland habitat creation
	Grassland habitat creation
	Landscape mitigation planting (scrub / woodland)
	Grassed areas
	Public realm
	Replacement Community Facility
	Local placement
	Returned to suitable development use
	Hedgerow
	County boundary
	Borough / District boundary
	Community area boundary
	Watercourse diversion
	Existing watercourse
	New ditches
	Engineering earthworks
	Landscape earthworks
	Rail alignment formation
	Tunnels external extent
	Major utility works
	Existing public right of way
	New, diverted or realigned public right of way
	Public right of way closure
	Existing woodland
	Existing buildings
	Existing inland water
	Existing contours
	HS2 access
	Noise fence barrier
	Rail alignment
	Chainage (e.g. 10+000)

Map Number	CT-06-308a
Map Name	Proposed Scheme
Community Area	MA01 Hough to Walley's Green

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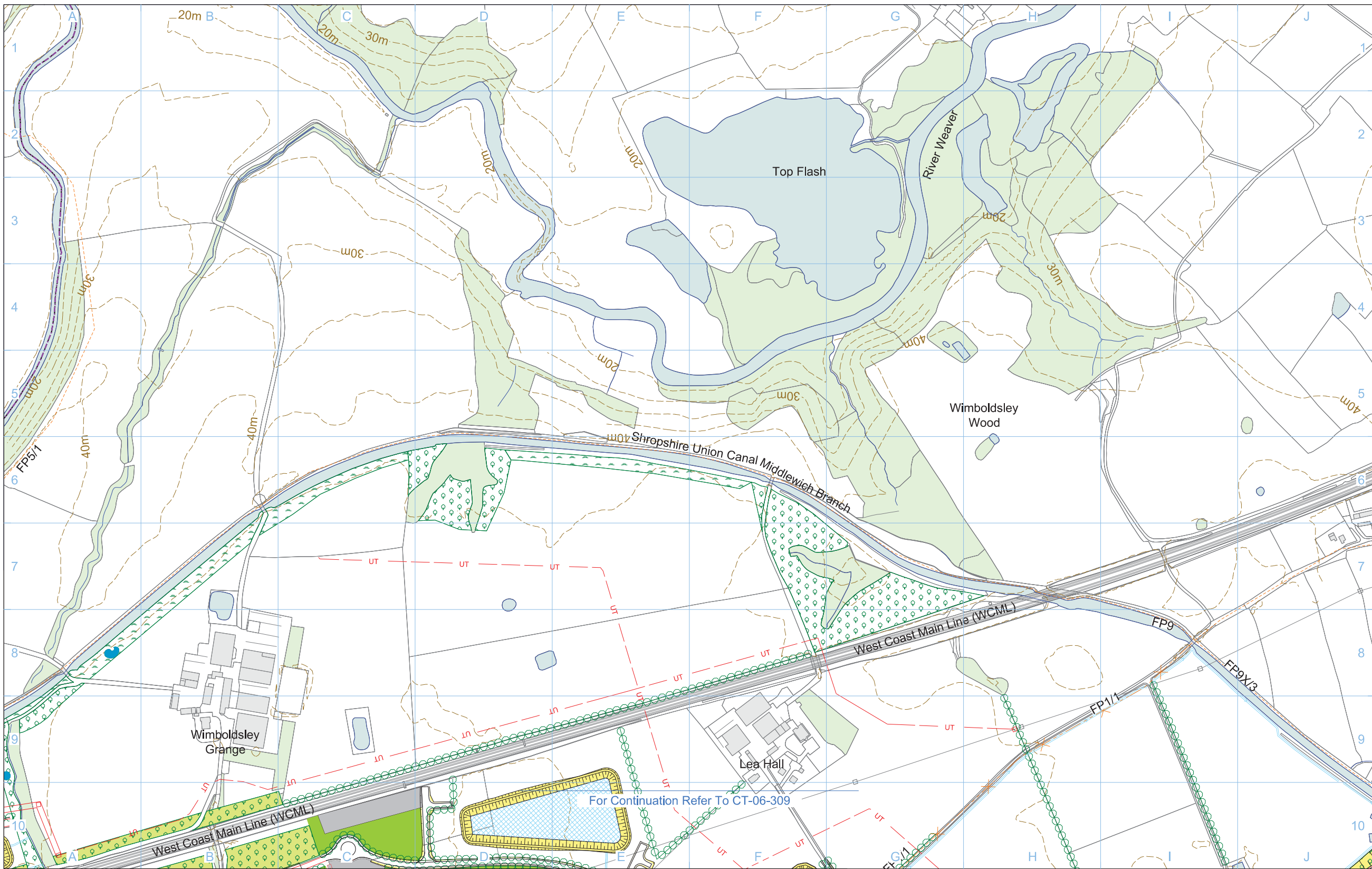
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# Proposed refinement (2020): Wimboldsley Wood WCML



Legend	
	Depot, station, headhouse or portal building
	Tunnel portal
	Railway Systems Site
	Ecological mitigation pond (Indicative only)
	Balancing pond
	Replacement floodplain storage area
	Pumping station
	Woodland habitat creation
	Wetland habitat creation
	Grassland habitat creation
	Landscape mitigation planting (scrub / woodland)
	Grassed areas
	Public realm
	Replacement Community Facility
	Local placement
	Returned to suitable development use
	Hedgerow
	County boundary
	Borough / District boundary
	Community area boundary
	Watercourse diversion
	Existing watercourse
	New ditches
	Engineering earthworks
	Landscape earthworks
	Rail alignment formation
	Tunnels external extent
	Major utility works
	Existing public right of way
	New, diverted or realigned public right of way
	Public right of way closure
	Existing woodland
	Existing buildings
	Existing inland water
	Existing contours
	HS2 access
	Noise fence barrier
	Rail alignment
	Chainage (e.g. 10+000)

Map Number	<b>CT-06-309-L1</b>
Map Name	<b>Proposed Scheme</b>
Community Area	MA02 Wimboldsley to Lostock Gralam

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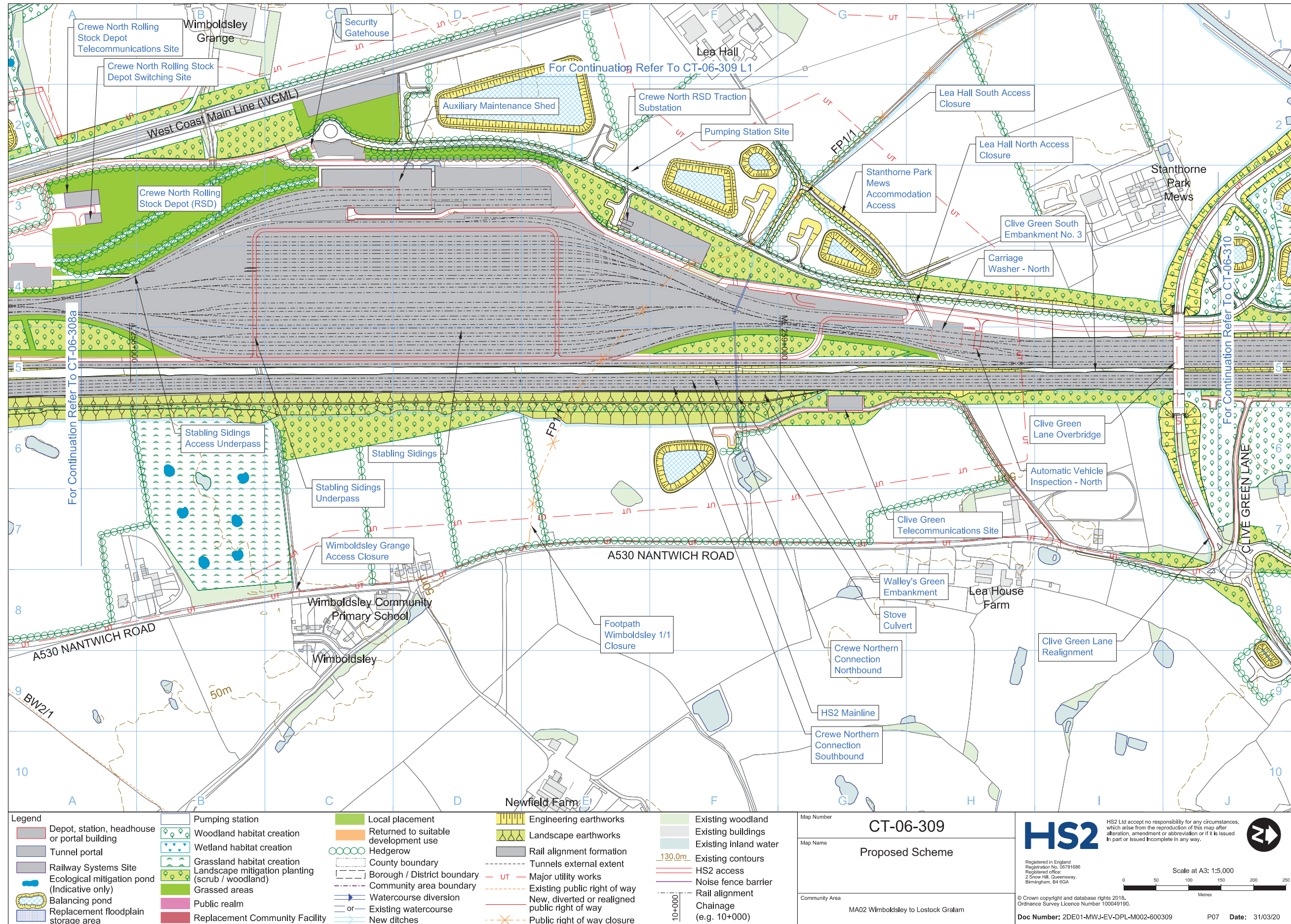
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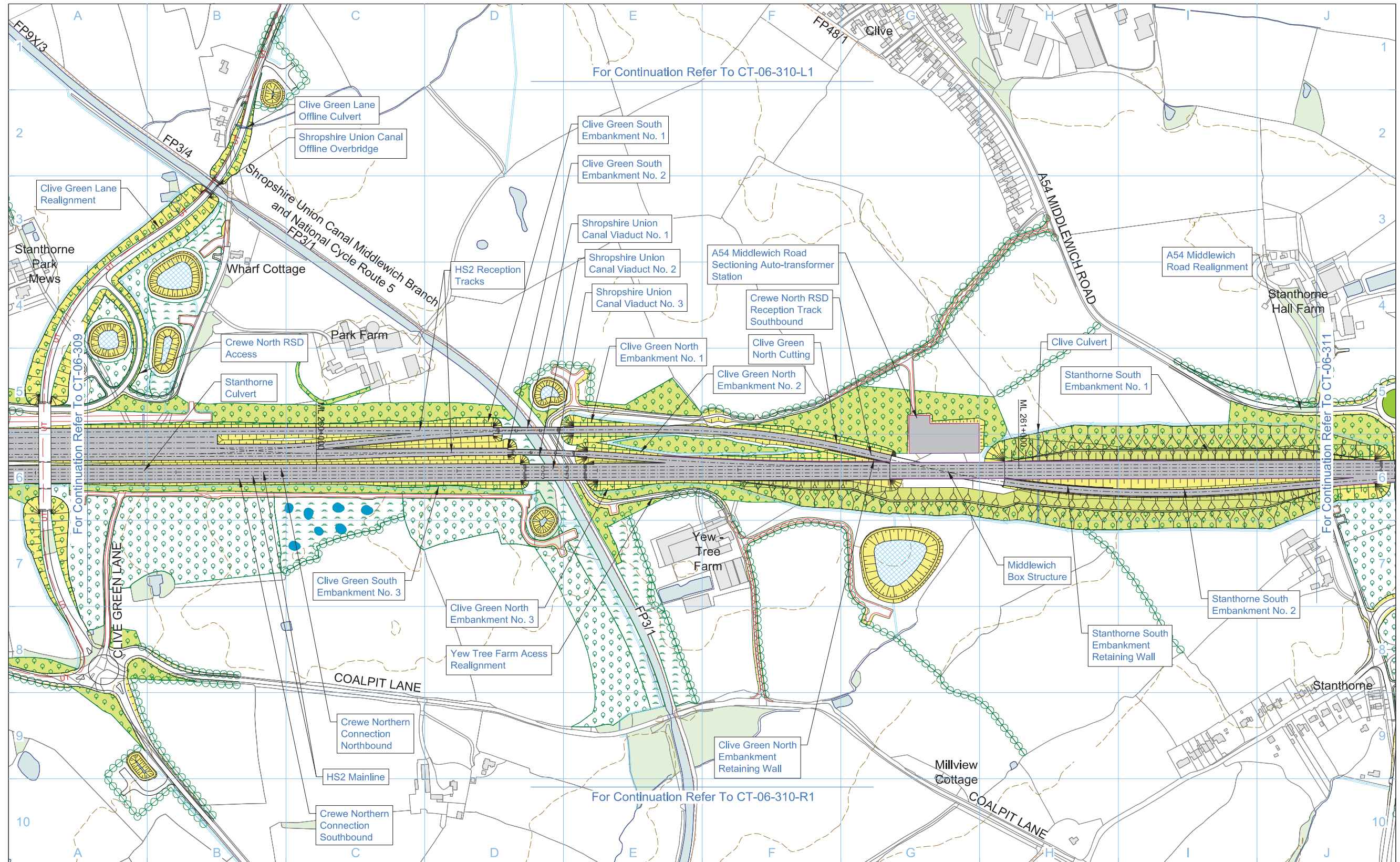
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Scale at A3: 1:5,000

# Proposed refinement (2020): Crewe Rolling Stock Depot Satellite Compound (Wimboldsley Community Primary School)

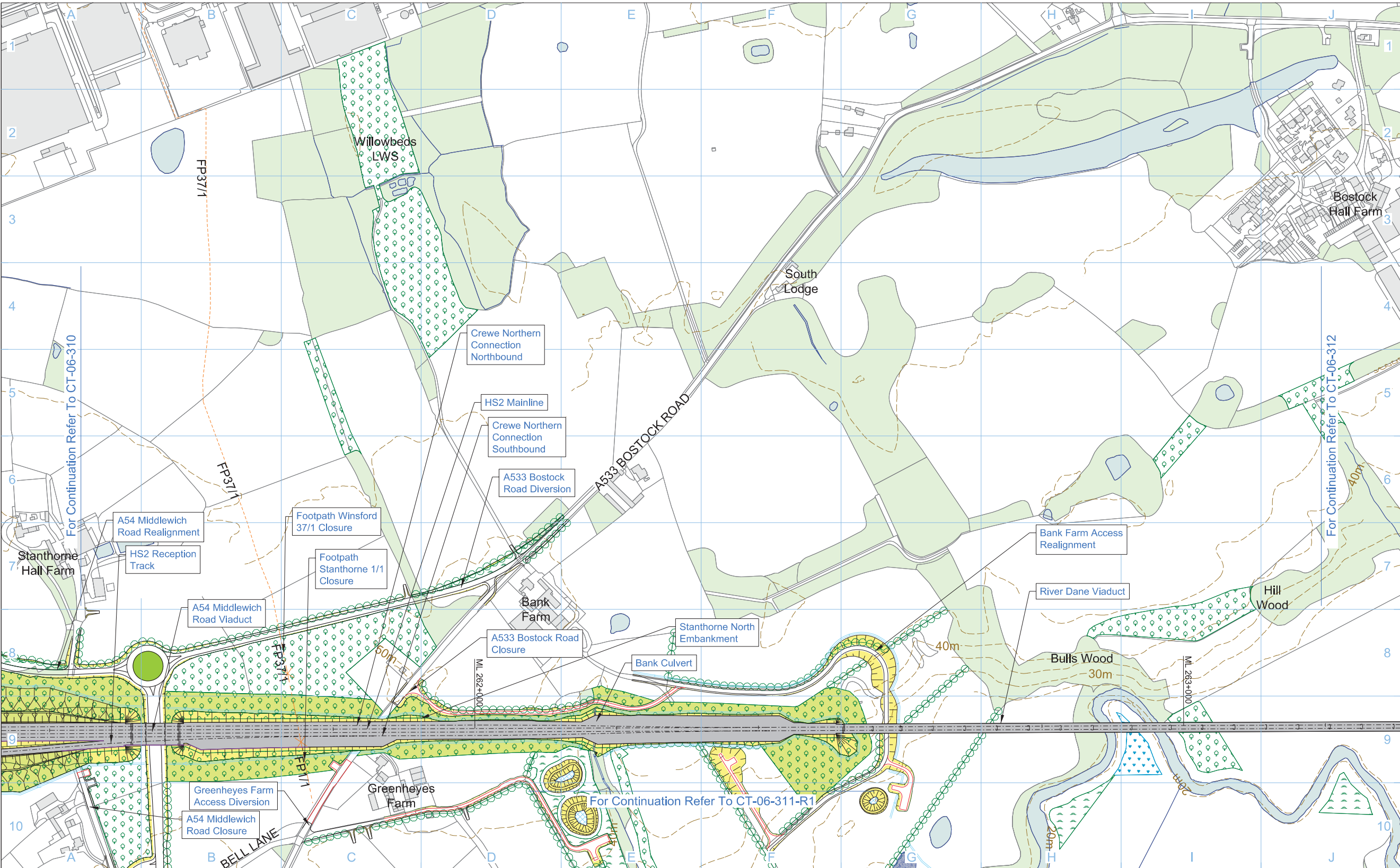


# Proposed refinement (2020): HS2 Shropshire Union Canal Crossing, Wimboldsley



<b>Legend</b> <ul style="list-style-type: none"> <li>Depot, station, headhouse or portal building</li> <li>Tunnel portal</li> <li>Railway Systems Site</li> <li>Ecological mitigation pond (Indicative only)</li> <li>Balancing pond</li> <li>Replacement floodplain storage area</li> </ul>	<ul style="list-style-type: none"> <li>Pumping station</li> <li>Woodland habitat creation</li> <li>Wetland habitat creation</li> <li>Grassland habitat creation</li> <li>Landscape mitigation planting (scrub / woodland)</li> <li>Grassed areas</li> <li>Public realm</li> <li>Replacement Community Facility</li> </ul>	<ul style="list-style-type: none"> <li>Local placement</li> <li>Returned to suitable development use</li> <li>Hedgerow</li> <li>County boundary</li> <li>Borough / District boundary</li> <li>Community area boundary</li> <li>Watercourse diversion</li> <li>Existing watercourse</li> <li>New ditches</li> </ul>	<ul style="list-style-type: none"> <li>Engineering earthworks</li> <li>Landscape earthworks</li> <li>Rail alignment formation</li> <li>Tunnels external extent</li> <li>Major utility works</li> <li>Existing public right of way</li> <li>New, diverted or realigned public right of way</li> <li>Public right of way closure</li> </ul>	<ul style="list-style-type: none"> <li>Existing woodland</li> <li>Existing buildings</li> <li>Existing inland water</li> <li>Existing contours</li> <li>HS2 access</li> <li>Noise fence barrier</li> <li>Rail alignment Chainage (e.g. 10+000)</li> </ul>	<p>Map Number: <b>CT-06-310</b></p> <p>Map Name: <b>Proposed Scheme</b></p> <p>Community Area: MA02 Wimboldsley to Lostock Gralam</p>	<p><b>HS2</b></p> <p>Registered in England                  Registration No. 06791686                  Registered office:                  2 Snow Hill, Queensway,                  Birmingham, B4 6QA</p> <p>Scale at A3: 1:5,000</p> <p>0 50 100 150 200 250                  Metres</p> <p>© Crown copyright and database rights 2018.                  Ordnance Survey Licence Number 100049190.</p> <p>Doc Number: 2DE01-MWJ-EV-DPL-M002-600310 P07 Date: 31/03/20</p>
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# Proposed refinement (2020): River Dane Viaduct



<b>Legend</b> Depot, station, headhouse or portal building Tunnel portal Railway Systems Site Ecological mitigation pond (Indicative only) Balancing pond Replacement floodplain storage area Pumping station Woodland habitat creation Wetland habitat creation Grassland habitat creation Landscape mitigation planting (scrub / woodland) Grassed areas Public realm Replacement Community Facility Local placement Returned to suitable development use Hedgerow County boundary Borough / District boundary Community area boundary Watercourse diversion Existing watercourse New ditches Engineering earthworks Landscape earthworks Rail alignment formation Tunnels external extent Major utility works Existing public right of way New, diverted or realigned public right of way Public right of way closure Existing woodland Existing buildings Existing inland water Existing contours HS2 access Noise fence barrier Rail alignment Chainage (e.g. 10+000)		Map Number <b>CT-06-311</b> Map Name <b>Proposed Scheme</b> Community Area MA02 Wimboldsley to Lostock Gralam	 Registered in England Registration No. 03791696 Registered office: 2 Snow Hill, Queensway, Birmingham, B4 6GA. Scale at A3: 1:5,000 0 50 100 150 200 250 Metres © Crown copyright and database rights 2018. Ordnance Survey Licence Number 100049190. Doc Number: 2DE01-MWJ-EV-DPL-M002-600311 P06 Date: 16/01/20
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### 3.1.3 Visuations

#### View East from Moss Lane/Leighton Footpath

Current Baseline



Proposed Scheme



#### Technical Information

**Description**

View east from Moss Lane/Leighton Footpath 7. Large scale changes to this area to accommodate the Crewe Northern Connection. This visualisation captures the view east from Moss Lane/Leighton Footpath 7 illustrating the proposed structures associated with the Crewe Northern Connection, mitigation earthworks and landscape planting.

#### Key Plan



This visualisation is provided for illustration purposes only to help inform the Design Refinement Consultation events. These are produced as a snapshot of the current work in progress as the Proposed Scheme may be subject to change through ongoing design development and in response to consultation.

Where mitigation planting is proposed it has been shown as newly planted stock at Year 1 of operation, which would mature and establish over time.

For the Hybrid Bill submission, Volume 5 of the supporting Environmental Statement will present a full visual impact assessment of representative viewpoints. To further inform the visual impact assessment, a number of verifiable photomontages will be produced from selected viewpoints to simulate the likely visual change that would result from the Proposed Scheme during construction, at Year 1, and/or at Year 15.

At this scale, the visualisations do not lend themselves to direct comparison out in the field.



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Registration No. 05791686  
Registered office:  
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Birmingham, B4 6QA

Creator/Originator  
MW JV (Mott MacDonald and WSP Joint Venture)

Zone	Crewe North RSD		Project/Contract	CDES Area 1 (CE1)	
Design Stage	Hybrid Bill - Interim Preliminary Design		Discipline/Function	Environmental	
Drawing Title	Visualisation Produced For The Design Refinement Consultation 2 - View East from Moss Lane/Leighton Footpath 7		Drawn	Checked	Approved
	AHO	CPA	CGI		
Date	04/08/2020	Scale	1:1	Size	A1
Drawing No.	2DE01-MWJ-EV-DPH-M006-066001		Rev.	P02	

# View east from Wimboldsley Footpath 1 and Stanthorne Footpath 3

## Current Baseline



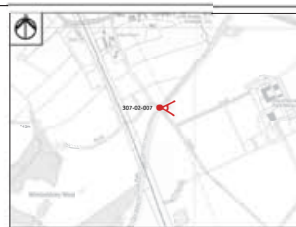
## Proposed Scheme



### Technical Information

**Description**  
View east from Wimboldsley Footpath 1 and Stanthorne Footpath 3. This visualisation captures the view east from Wimboldsley Footpath 1 and Stanthorne Footpath 3 along the Shropshire Union Canal towpath illustrating the proposed Clive Green lane diversion and structures north of the Crewe Rolling Stock Depot.

### Key Plan



This visualisation is provided for illustration purposes only to help inform the Design Refinement Consultation events. These are produced as a snapshot of the current work in progress as the Proposed Scheme may be subject to change through ongoing design development and in response to consultation.

Where mitigation planting is proposed it has been shown as newly planted stock at Year 1 of operation, which would mature and establish over time. For the Hybrid Bill submission, Volume 5 of the supporting Environmental Statement will present a full visual impact assessment of representative viewpoints. To further inform the visual impact assessment, a number of verifiable photomontages will be produced from selected viewpoints to simulate the likely visual change that would result from the Proposed Scheme during construction, at Year 1, and/or at Year 15.

At this scale, the visualisations do not lend themselves to direct comparison out in the field.

# HS2

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Registration No. 06791686  
Registered office:  
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Birmingham, B4 6GA

Creator/Originator  
MW JV (Mott MacDonald and WSP Joint Venture)

Zone	Crewe North RSD			Project/Contract	CDES Area 1 (CE1)		
Design Stage	Hybrid Bill - Interim Preliminary Design			Discipline/Function	Environmental		
Drawing Title	Drawn	Checked	Approved	Visualisation Produced For The Design Refinement			
	AHO	CPA	CGI	Date	Scale	Size	Rev.
	Consultation 2 - View east from Wimboldsley			04/08/2020	1:1	A1	
	Footpath 1 and Stanthorne Footpath 3			Drawing No.	2DE01-MWJ-EV-DPH-M006-066009		P02

# View east from Wimboldsley Footpath 5 adjacent to the Verdin Arms

## Current Baseline



## Proposed Scheme



## Technical Information

### Description

View east from Wimboldsley Footpath 5 adjacent to the Verdin Arms public house. This visualisation captures the view east from Wimboldsley Footpath 5 adjacent to the Verdin Arms public house, illustrating the southern extent of the Crewe Rolling Stock Depot and the maintenance shed as well as the new A530 overbridge.

### Key Plan



This visualisation is provided for illustration purposes only to help inform the Design Refinement Consultation events. These are produced as a snapshot of the current work in progress as the Proposed Scheme may be subject to change through ongoing design development and in response to consultation.

Where mitigation planting is proposed it has been shown as newly planted stock at Year 1 of operation, which would mature and establish over time. For the Hybrid Bill submission, Volume 5 of the supporting Environmental Statement will present a full visual impact assessment of representative viewpoints. To further inform the visual impact assessment, a number of verifiable photomontages will be produced from selected viewpoints to simulate the likely visual change that would result from the Proposed Scheme during construction, at Year 1, and/or at Year 15.

At this scale, the visualisations do not lend themselves to direct comparison out in the field.

# HS2

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Creator/Originator  
MW JV (Mott MacDonald and WSP Joint Venture)

Zone	Crewe North RSD		Project/Contract	CDES Area 1 (CE1)		
Design Stage	Hybrid Bill - Interim Preliminary Design		Discipline/Function	Environmental		
Drawing Title	Visualisation Produced For The Design Refinement		Drawn	Checked	Approved	
	Consultation 2 - View east from Wimboldsley		AHO	CPA	CGI	
	Footpath 5 adjacent to the Verdin Arms		Date	Scale	Size	Rev.
			04/08/2020	1:1	A1	
			Drawing No.	Rev.		
			2DE01-MWJ-EV-DPH-M006-066003	P02		

# View east from Wimboldsley Footpath 9 close to Rookery Wood



## Technical Information

**Description**  
View east from Wimboldsley Footpath 9 close to Rookery Wood. This visualisation captures the view east from Wimboldsley Footpath 9 along the Shropshire Union Canal towpath illustrating the extent of the Crewe Rolling Stock Depot

## Key Plan



This visualisation is provided for illustration purposes only to help inform the Design Refinement Consultation events. These are produced as a snapshot of the current work in progress as the Proposed Scheme may be subject to change through ongoing design development and in response to consultation.

Where mitigation planting is proposed it has been shown as newly planted stock at Year 1 of operation, which would mature and establish over time.

For the Hybrid Bill submission, Volume 5 of the supporting Environmental Statement will present a full visual impact assessment of representative viewpoints. To further inform the visual impact assessment, a number of verifiable photomontages will be produced from selected viewpoints to simulate the likely visual change that would result from the Proposed Scheme during construction, at Year 1, and/or at Year 15.

At this scale, the visualisations do not lend themselves to direct comparison out in the field.



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Creator/Originator  
MW JV (Mott MacDonald and WSP Joint Venture)

Zone	Crewe North RSD			Project/Contract	CDES Area 1 (CE1)		
Design Stage	Hybrid Bill - Interim Preliminary Design			Discipline/Function	Environmental		
Drawing Title	Visualisation Produced For The Design Refinement			Drawn	AHO	Checked	CPA
	Consultation 2 - View east from Wimboldsley			Approved	CGI		
	Footpath 9 close to Rookery Wood.			Date	04/08/2020	Scale	1:1
				Size	A1		
				Drawing No.	2DE01-MWJ-EV-DPH-M006-066010		Rev.
							P02

# View west from A530, Nantwich Road north of Wimboldsley village

## Current Baseline

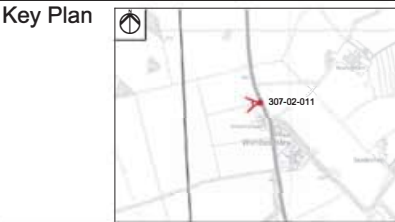


## Proposed Scheme



### Technical Information

**Description**  
View west from A530, Nantwich Road north of Wimboldsley village. This visualisation captures the view west from A530, Nantwich Road north of Wimboldsley village illustrating the northern extent of the Crewe Rolling Stock Depot.



This visualisation is provided for illustration purposes only to help inform the Design Refinement Consultation events. These are produced as a snapshot of the current work in progress as the Proposed Scheme may be subject to change through ongoing design development and in response to consultation.

Where mitigation planting is proposed it has been shown as newly planted stock at Year 1 of operation, which would mature and establish over time.

For the Hybrid Bill submission, Volume 5 of the supporting Environmental Statement will present a full visual impact assessment of representative viewpoints. To further inform the visual impact assessment, a number of verifiable photomontages will be produced from selected viewpoints to simulate the likely visual change that would result from the Proposed Scheme during construction, at Year 1, and/or at Year 15.

At this scale, the visualisations do not lend themselves to direct comparison out in the field.



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Registered office:  
2 Snow Hill, Queensway,  
Birmingham, B4 6GA

Creator/Originator  
MW JV (Mott MacDonald and WSP Joint Venture)

Zone	Crewe North RSD			Project/Contract	CDES Area 1 (CE1)		
Design Stage	Hybrid Bill - Interim Preliminary Design			Discipline/Fundion	Environmental		
Drawing Title	Visualisation Produced For The Design Refinement Consultation 2 - View west from A530, Nantwich Road north of Wimboldsley village			Drawn	Checked	Approved	
	AHO	CPA	CGI	Date	Scale	Size	
	04/08/2020	1:1	A1	Drawing No.	Rev.		
	2DE01-MWJ-EV-DPH-M006-066005		P02				

# View west from Parkers Road, Crewe



**Technical Information**

**Description**

View west from Parkers Road, Crewe. This view captures views west from Parkers Road, illustrating the changes associated with the Crew North Connection, mitigation earthworks and landscape planting and the Parkers Road Overbridge.

This verifiable photomontage provides an illustration of how the proposed scheme may look. The proposed scheme may be subject to change in response to consultation. The railway alignment displayed in the verifiable photomontage does not include local mitigation measures. These will be defined and developed as part of the next stages of design and Environmental Impact Assessment.

**Key Plan**



This visualisation is provided for illustration purposes only to help inform the DfC events. These are produced as a snapshot of the current work in progress as the Proposed Scheme may be subject to change through ongoing design development and in response to consultation.

For the Hybrid Bill submission, the supporting Environmental Statement will include full details of the visual impact assessment at the selected viewpoints will be included in Volume 5 of the Environmental Statement. A number of verified photomontages will be produced to provide an illustration of how the Proposed Scheme may look in the opening year and/or 15 years after opening to help inform the visual impact assessment.

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. At this scale the images do not lend themselves to direct comparison out in the field.

**HS2**

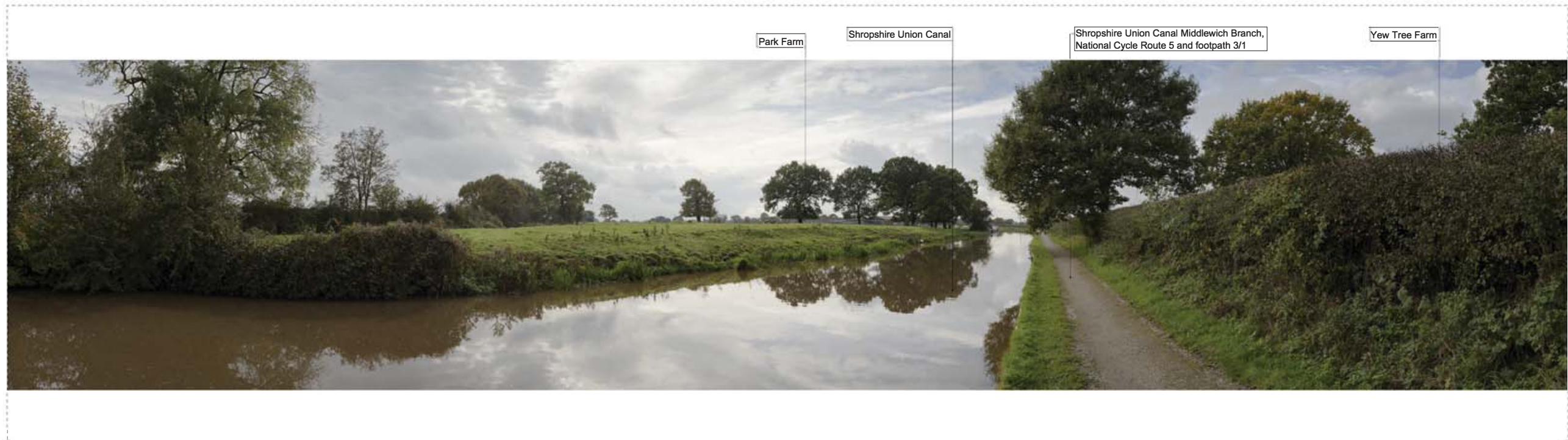
Registered in England  
Registration No. 06791686  
Registered office:  
2 Snow Hill, Queensway,  
Birmingham, B4 6GA

Creator/Originator  
**Neil Cooper**

Zone	Crew North RSD			Project/Contract	CDES Area 1 (CE1)		
Design Stage	Hybrid Bill - Draft Initial Preliminary Design			Discipline/Function	Environmental		
Drawing Title	Drawn	Checked	Approved	Date	Scale	Site	Rev.
View west from Parkers Road, Crewe.	NC	CP	CG	26/11/2019	1:1	A1	
Drawing No.	2DE01-MWJ-LS-DPH-M006-066008			Rev.	P01		

# View west from Stanthorne Footpath 3 along the Shropshire Union Canal

## Current Baseline



## Proposed Scheme



## Technical Information

### Description

View west from Stanthorne Footpath 3 along the Shropshire Union Canal towpath. This visualisation captures the view west from Stanthorne Footpath 3 along the Shropshire Union Canal towpath illustrating the proposed bridge structures crossing over the canal with HS2 mainline in the foreground and the depot connections behind.

### Key Plan



This visualisation is provided for illustration purposes only to help inform the Design Refinement Consultation events. These are produced as a snapshot of the current work in progress as the Proposed Scheme may be subject to change through ongoing design development and in response to consultation.

Where mitigation planting is proposed it has been shown as newly planted stock at Year 1 of operation, which would mature and establish over time.

For the Hybrid Bill submission, Volume 5 of the supporting Environmental Statement will present a full visual impact assessment of representative viewpoints. To further inform the visual impact assessment, a number of verifiable photomontages will be produced from selected viewpoints to simulate the likely visual change that would result from the Proposed Scheme during construction, at Year 1, and/or at Year 15.

At this scale, the visualisations do not lend themselves to direct comparison out in the field.

# HS2

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Creator/Originator  
MW JV (Mott MacDonald and WSP Joint Venture)

Zone	Crewe North RSD			Project/Contract	CDES Area 1 (CE1)		
Design Stage	Hybrid Bill - Interim Preliminary Design			Discipline/Function	Environmental		
Drawing Title	Visualisation Produced For The Design Refinement Consultation 2 - View west from Stanthorne Footpath 3 along the Shropshire Union Canal			Drawn	Checked	Approved	
	AHO	CPA	CGI	Date	Scale	Size	
	04/08/2020	1:1	A1	Drawing No.	Rev.		
	2DE01-MWJ-EV-DPH-M006-066004		P02				

# View West from Warmingham Footpath 16

## Current Baseline



## Proposed Scheme



### Technical Information

#### Description

View west from Warmingham Footpath 16 close to Moss Farm. This visualisation captures the view west from Warmingham Footpath 16 close to Moss Farm illustrating the proposed structures associated with the Crewe Northern Connection, mitigation earthworks and landscape planting.

### Key Plan



This visualisation is provided for illustration purposes only to help inform the Design Refinement Consultation events. These are produced as a snapshot of the current work in progress as the Proposed Scheme may be subject to change through ongoing design development and in response to consultation.

Where mitigation planting is proposed it has been shown as newly planted stock at Year 1 of operation, which would mature and establish over time.

For the Hybrid Bill submission, Volume 5 of the supporting Environmental Statement will present a full visual impact assessment of representative viewpoints. To further inform the visual impact assessment, a number of verifiable photomontages will be produced from selected viewpoints to simulate the likely visual change that would result from the Proposed Scheme during construction, at Year 1, and/or at Year 15.

At this scale, the visualisations do not lend themselves to direct comparison out in the field.

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Registered office:  
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Birmingham, B4 6QA

Creator/Originator  
MW JV (Mott MacDonald and WSP Joint Venture)

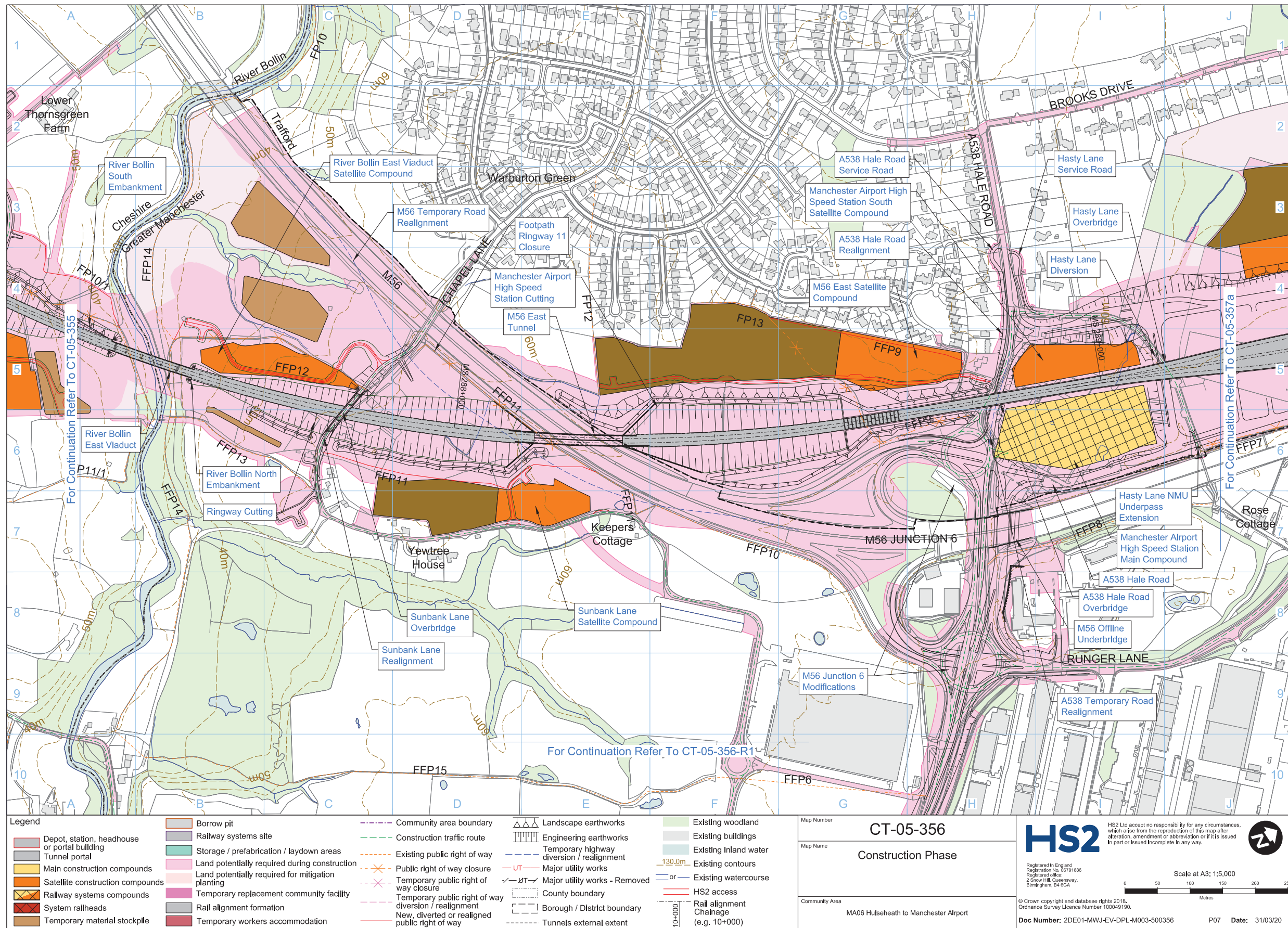
Zone	Crewe North RSD			Project/Contract	CDES Area 1 (CE1)				
Design Stage	Hybrid Bill - Interim Preliminary Design			Discipline/Function	Environmental				
Drawing Title	Visualisation Produced For The Design Refinement			Drawn	AHO	Checked	CPA	Approved	CGI
	Date	04/08/2020	Scale	1:1	Size	A1			
	Drawing No.	2DE01-MWJ-EV-DPH-M006-066002			Rev.	P02			
	Consultation 2 - View West from Warmingham Footpath 16								



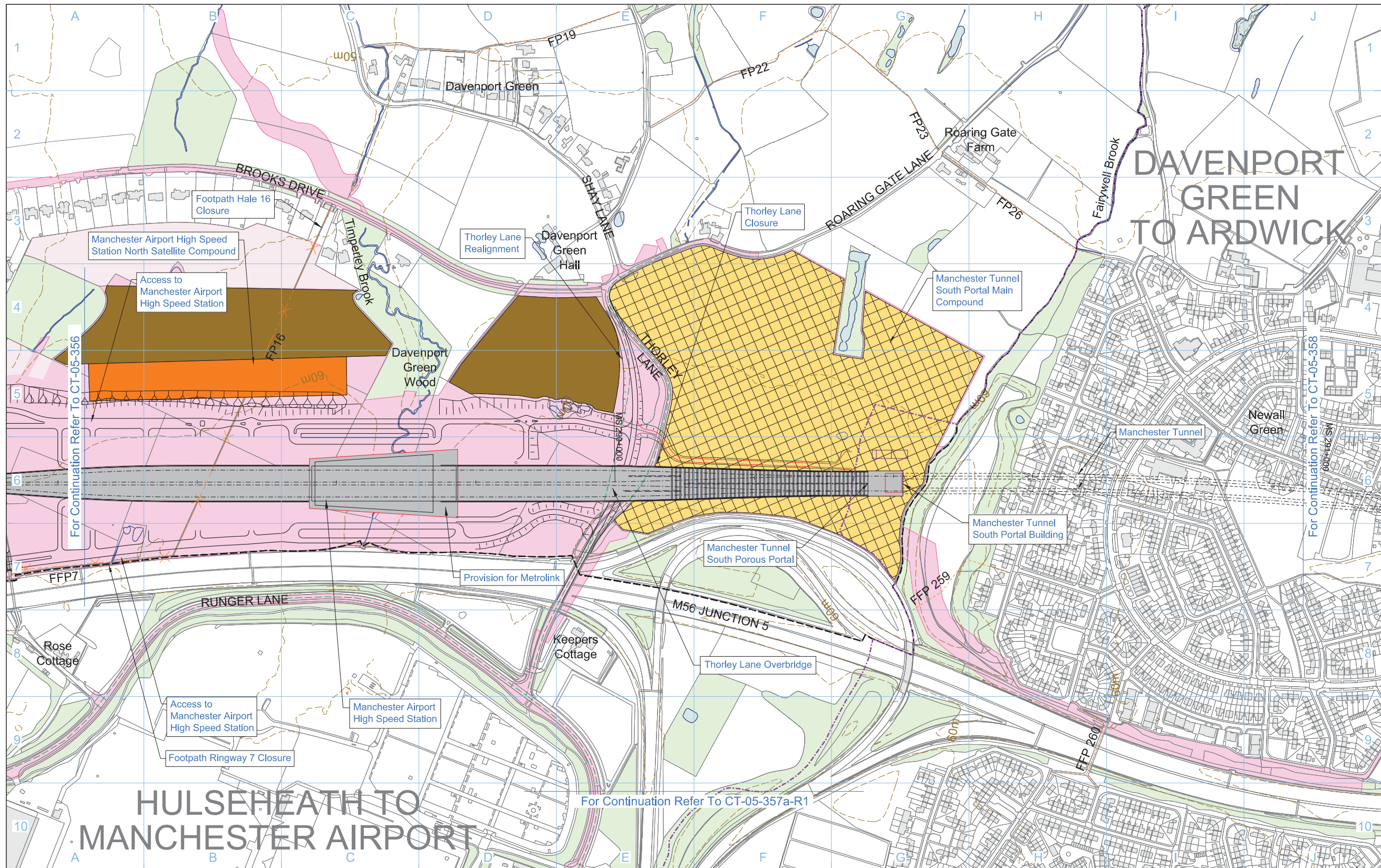
### 3.2 Changes to the design of Manchester Airport High Speed station

#### 3.2.1 Construction Plans

#### Proposed refinement (2020): M56 Junction 6



# Proposed refinement (2020): Manchester Airport High Speed Station



Legend	
	Depot, station, headhouse or portal building
	Tunnel portal
	Main construction compounds
	Satellite construction compounds
	Railway systems compounds
	System railheads
	Temporary material stockpile
	Borrow pit
	Railway systems site
	Storage / prefabrication / laydown areas
	Land potentially required during construction
	Land potentially required for mitigation planting
	Temporary replacement community facility
	Rail alignment formation
	Temporary workers accommodation
	Community area boundary
	Construction traffic route
	Existing public right of way
	Public right of way closure
	Temporary public right of way closure
	Temporary public right of way diversion / realignment
	New, diverted or realigned public right of way
	Landscape earthworks
	Engineering earthworks
	Temporary highway diversion / realignment
	Major utility works
	Major utility works - Removed
	County boundary
	Borough / District boundary
	Tunnels external extent
	Existing woodland
	Existing buildings
	Existing inland water
	Existing contours
	Existing watercourse
	HS2 access
	Rail alignment Chainage (e.g. 10+000)

Map Number	CT-05-357a
Map Name	Construction Phase
Community Area	MA06 Hulseheath to Manchester Airport

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Scale at A3: 1:5,000

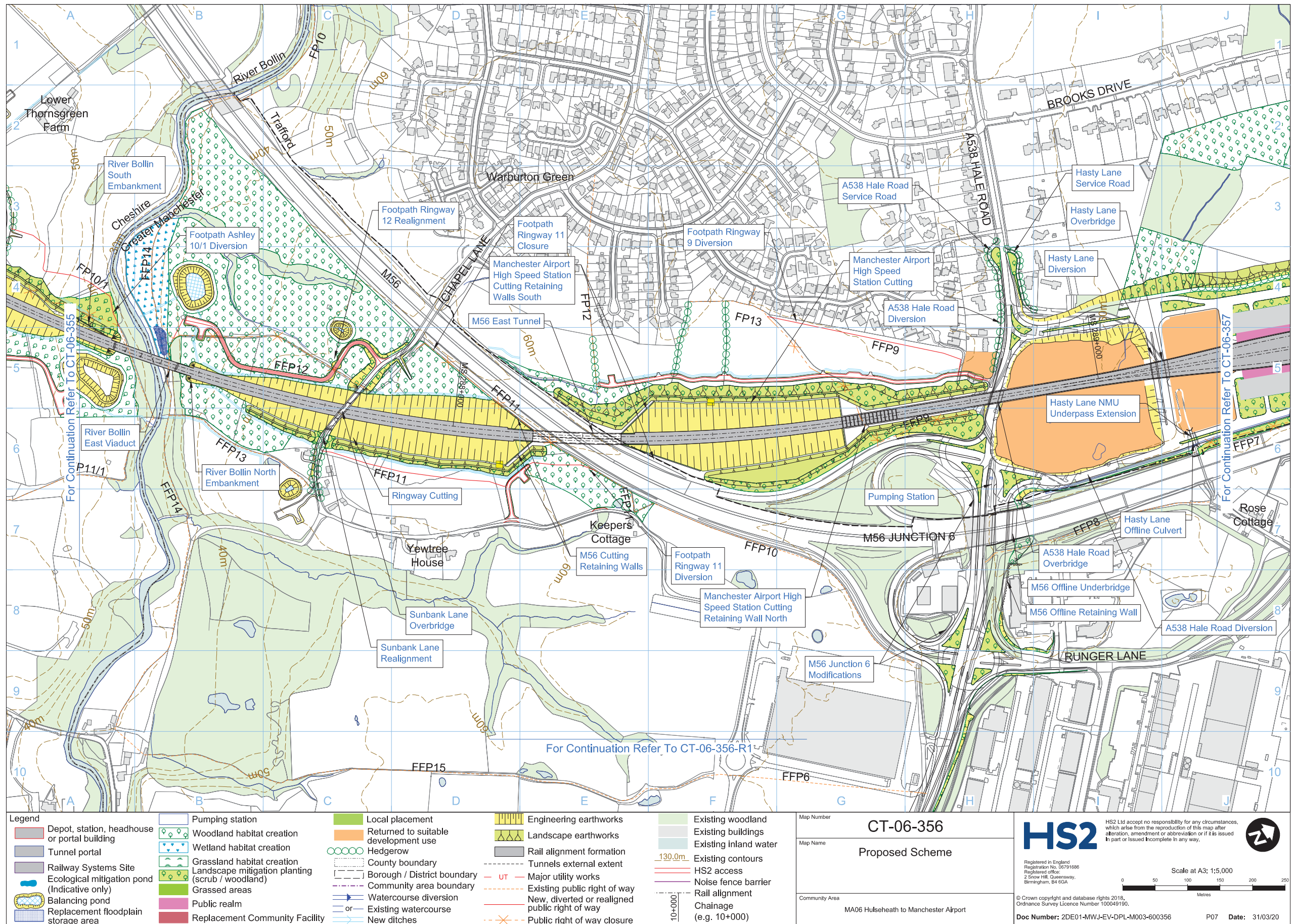
0 50 100 150 200 250  
Metres

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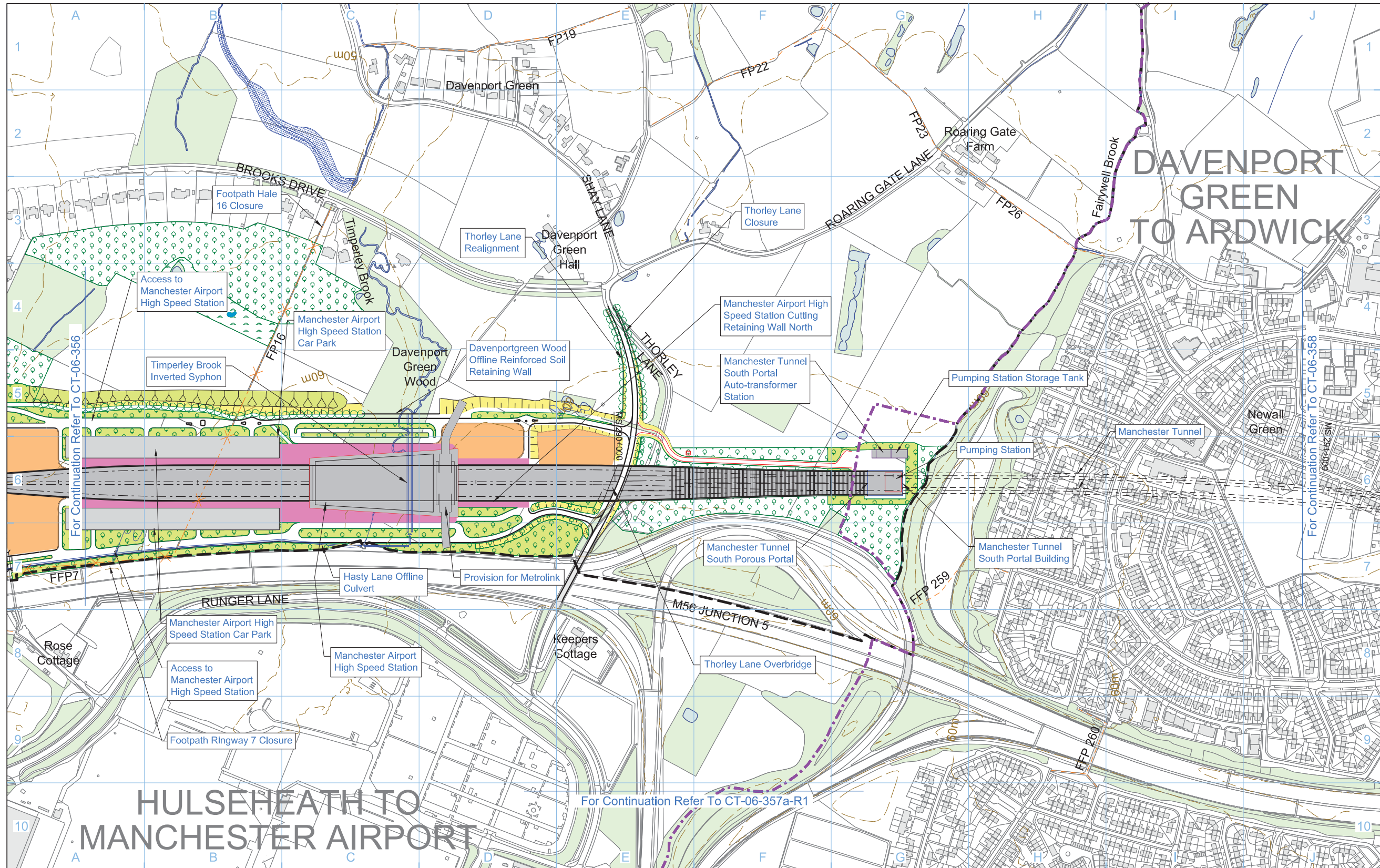
Doc Number: 2DE01-MWJ-EV-DPL-M003-510357 P07 Date: 31/03/20

### 3.2.2 Operational Plans

#### Proposed refinement (2020): M56 Junction 6



# Proposed refinement (2020): Manchester Airport High Speed Station



<b>Legend</b> Depot, station, headhouse or portal building Tunnel portal Railway Systems Site Ecological mitigation pond (Indicative only) Balancing pond Replacement floodplain storage area Pumping station Woodland habitat creation Wetland habitat creation Grassland habitat creation Landscape mitigation planting (scrub / woodland) Grassed areas Public realm Replacement Community Facility Local placement Returned to suitable development use Hedgerow County boundary Borough / District boundary Community area boundary Watercourse diversion Existing watercourse New ditches Engineering earthworks Landscape earthworks Rail alignment formation Tunnels external extent Major utility works Existing public right of way New, diverted or realigned public right of way Public right of way closure Existing woodland Existing buildings Existing inland water Existing contours HS2 access Noise fence barrier Rail alignment Chainage (e.g. 10+000)		Map Number <b>CT-06-357a</b> Map Name <b>Proposed Scheme</b> Community Area MA06 Hulseheath to Manchester Airport	 Registered in England Registration No. 05791496 Registered office: 2 Snow Hill, Queensway, Birmingham, B4 6GA Scale at A3: 1:5,000 © Crown copyright and database rights 2018. Ordnance Survey Licence Number 100049190. Doc Number: 2DE01-MWJ-EV-DPL-M003-610357 P08 Date: 28/07/20
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### 3.2.3 Visualisations

#### View east from A538 Hale Road



**Technical Information**

**Description**  
View east from A538 Hale Road. This visualisation captures the view east from A538 Hale Road illustrating the proposed highway changes in the foreground associated with the Airport Station



This visualisation is provided for illustration purposes only to help inform the Design Refinement Consultation events. These are produced as a snapshot of the current work in progress as the Proposed Scheme may be subject to change through ongoing design development and in response to consultation.

Where mitigation planting is proposed it has been shown as newly planted stock at Year 1 of operation, which would mature and establish over time.

For the Hybrid Bill submission, Volume 5 of the supporting Environmental Statement will present a full visual impact assessment of representative viewpoints. To further inform the visual impact assessment, a number of verifiable photomontages will be produced from selected viewpoints to simulate the likely visual change that would result from the Proposed Scheme during construction, at Year 1, and/or at Year 15.

At this scale, the visualisations do not lend themselves to direct comparison out in the field.

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Registered office:  
2 Snow Hill, Queensway,  
Birmingham, B4 6GA

Creator/Originator  
MW JV (Mott MacDonald and WSP Joint Venture)

Zone	Manchester Airport Station			Project/Contract	CDES Area 1 (CE1)		
Design Stage	Hybrid Bill - Interim Preliminary Design			Discipline/Function	Environmental		
Drawing Title	Drawn	Checked	Approved	Date	Scale	Size	Rev.
	AHO	CPA	CGI	04/05/2020	1:1	A1	P02
Visualisation Produced For The Design Refinement				Drawing No.	2DE01-MWJ-EV-DPH-M004-066006		
Consultation 2 - View east from A538 Hale Road				Rev.	P02		

# View south and east from Hale Footpath 16 off Brooks Drive

## Current Baseline



## Proposed Scheme



### Technical Information

**Description**  
View south and east from Hale footpath 16 off Brooks Drive. This visualisation captures the view south and east from footpath off Brooks Drive illustrating the changes associated with the Airport Station, mitigation earthworks and planting.

### Key Plan



This visualisation is provided for illustration purposes only to help inform the Design Refinement Consultation events. These are produced as a snapshot of the current work in progress as the Proposed Scheme may be subject to change through ongoing design development and in response to consultation. Where mitigation planting is proposed it has been shown as newly planted stock at Year 1 of operation, which would mature and establish over time. For the Hybrid Bill submission, Volume 5 of the supporting Environmental Statement will present a full visual impact assessment of representative viewpoints. To further inform the visual impact assessment, a number of verifiable photomontages will be produced from selected viewpoints to simulate the likely visual change that would result from the Proposed Scheme during construction, at Year 1, and/or at Year 15. At this scale, the visualisations do not lend themselves to direct comparison out in the field.

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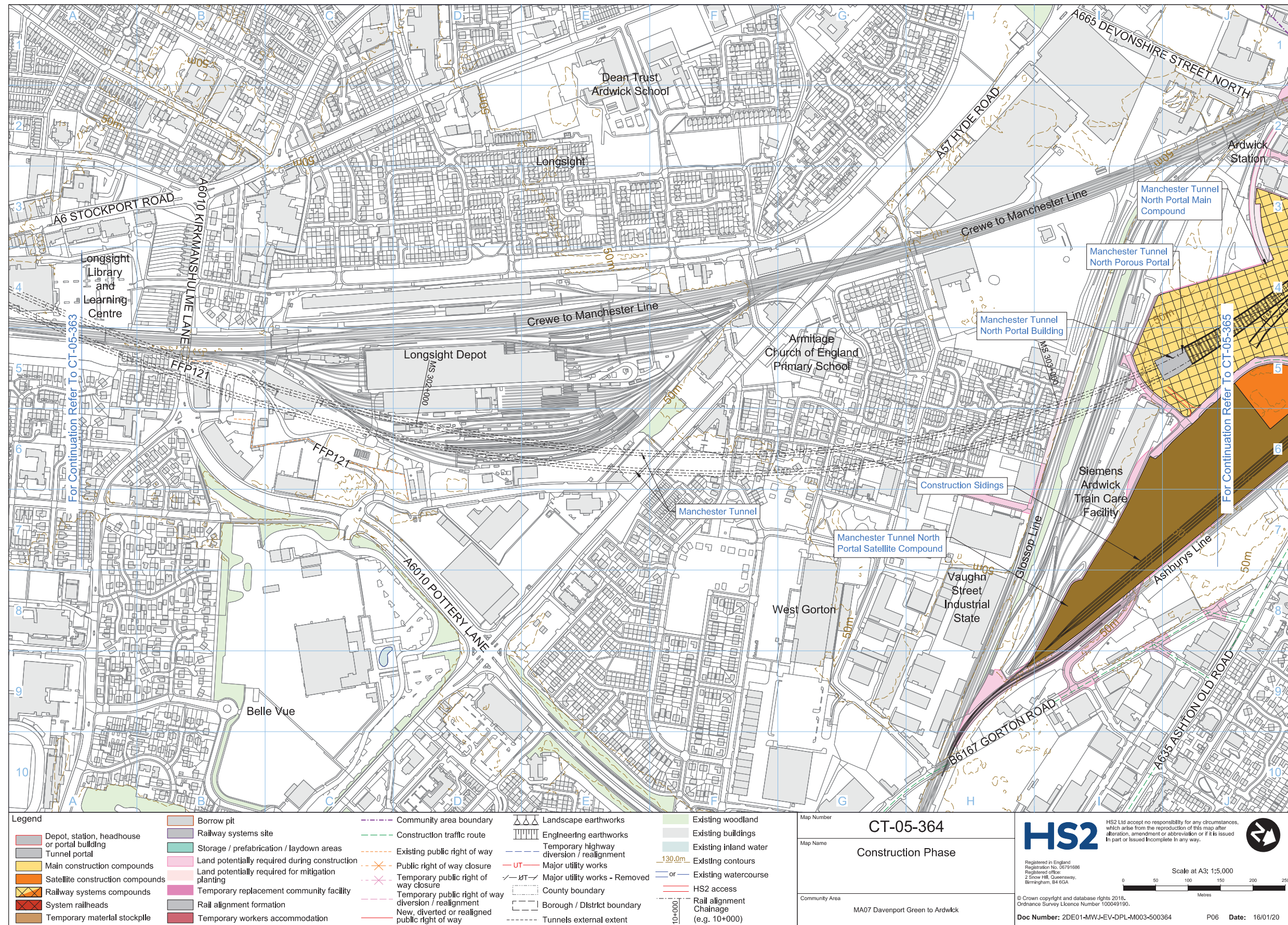
Creator/Originator  
MW JV (Mott MacDonald and WSP Joint Venture)

Zone	Manchester Airport Station			Project/Contract	CDES Area 1 (CE1)		
Design Stage	Hybrid Bill - Interim Preliminary Design			Discipline/Function	Environmental		
Drawing Title	Drawn	Checked	Approved	Date	Scale	Size	Rev.
Visualisation Produced For The Design Refinement	AHO	CPA	CGI	04/05/2020	1:1	A1	
Consultation 2 - View south and east from							
Hale Footpath 16 off Brooks Drive.	Drawing No.	2DE01-MWJ-EV-DPH-M004-066007		Rev.	P02		

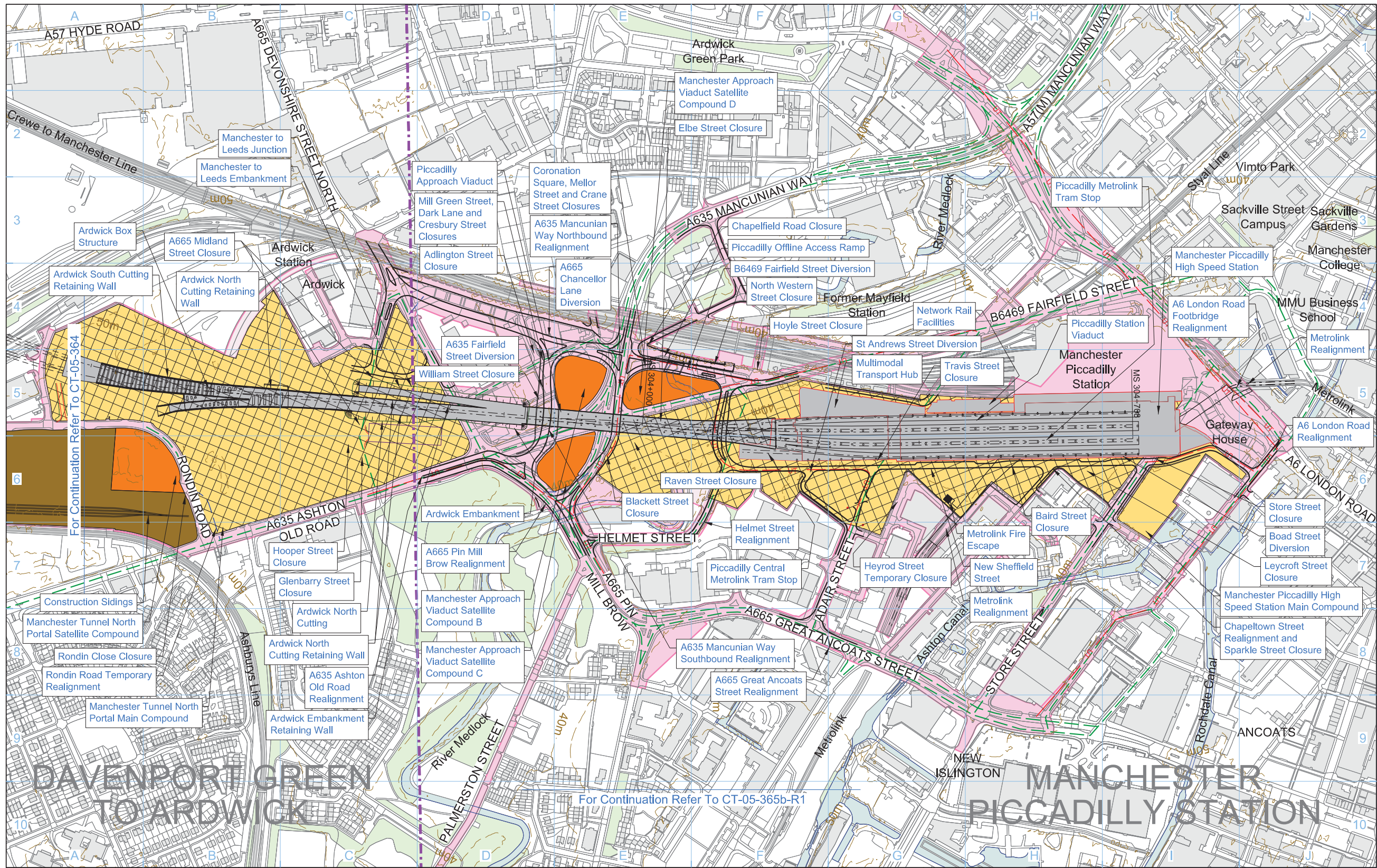
### 3.3 Changes to the design around Manchester Piccadilly High Speed station

#### 3.3.1 Construction Plans

##### Proposed refinement (2020): Ardwick – West Gorton



# Proposed refinement (2020): Manchester Piccadilly Station

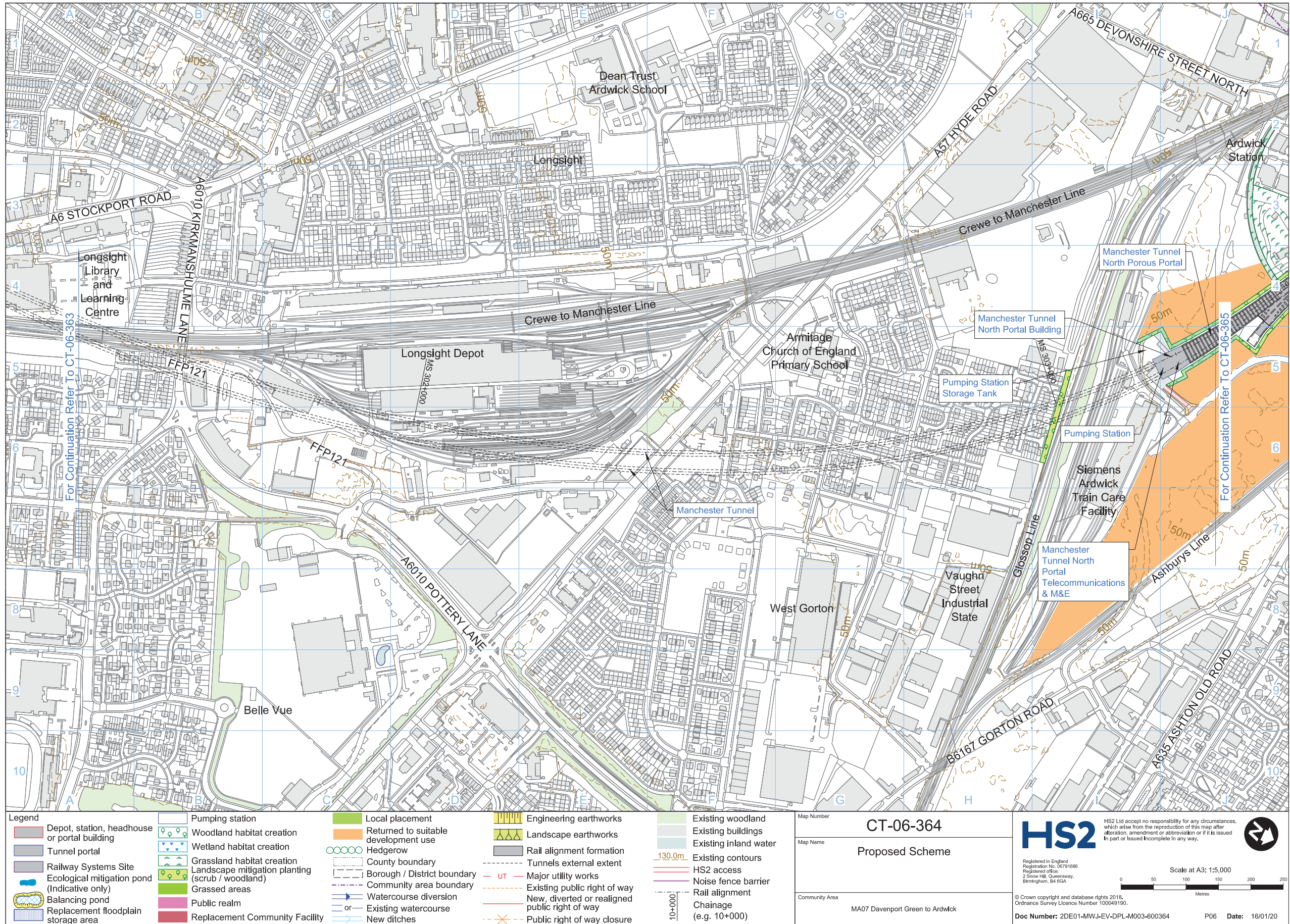


<b>Legend</b> <ul style="list-style-type: none"> <li>Depot, station, headhouse or portal building</li> <li>Tunnel portal</li> <li>Main construction compounds</li> <li>Satellite construction compounds</li> <li>Railway systems compounds</li> <li>System railheads</li> <li>Temporary material stockpile</li> <li>Borrow pit</li> <li>Railway systems site</li> <li>Storage / prefabrication / laydown areas</li> <li>Land potentially required during construction</li> <li>Land potentially required for mitigation planting</li> <li>Temporary replacement community facility</li> <li>Rail alignment formation</li> <li>Temporary workers accommodation</li> <li>Community area boundary</li> <li>Construction traffic route</li> <li>Existing public right of way</li> <li>Public right of way closure</li> <li>Temporary public right of way closure</li> <li>Temporary public right of way diversion / realignment</li> <li>New, diverted or realigned public right of way</li> <li>Landscape earthworks</li> <li>Engineering earthworks</li> <li>Temporary highway diversion / realignment</li> <li>Major utility works</li> <li>Major utility works - Removed</li> <li>County boundary</li> <li>Borough / District boundary</li> <li>Tunnels external extent</li> <li>Existing woodland</li> <li>Existing buildings</li> <li>Existing inland water</li> <li>Existing contours</li> <li>Existing watercourse</li> <li>HS2 access</li> <li>Rail alignment Chainage (e.g. 10+000)</li> </ul>		Map Number <b>CT-05-365b</b> Map Name <b>Construction Phase</b> Community Area MA08 Manchester Piccadilly Station	<p>Registered in England                  Registration No. 0571686                  Registered office:                  2 Snow Hill, Queensway,                  Birmingham, B4 6GA</p> <p>Scale at A3: 1:5,000</p> <p>0 50 100 150 200 250                  Metres</p> <p>© Crown copyright and database rights 2018.                  Ordnance Survey Licence Number 100049190.</p> <p>Doc Number: 2DE01-MWJ-EV-DPL-M003-520365 P08 Date: 28/07/20</p>
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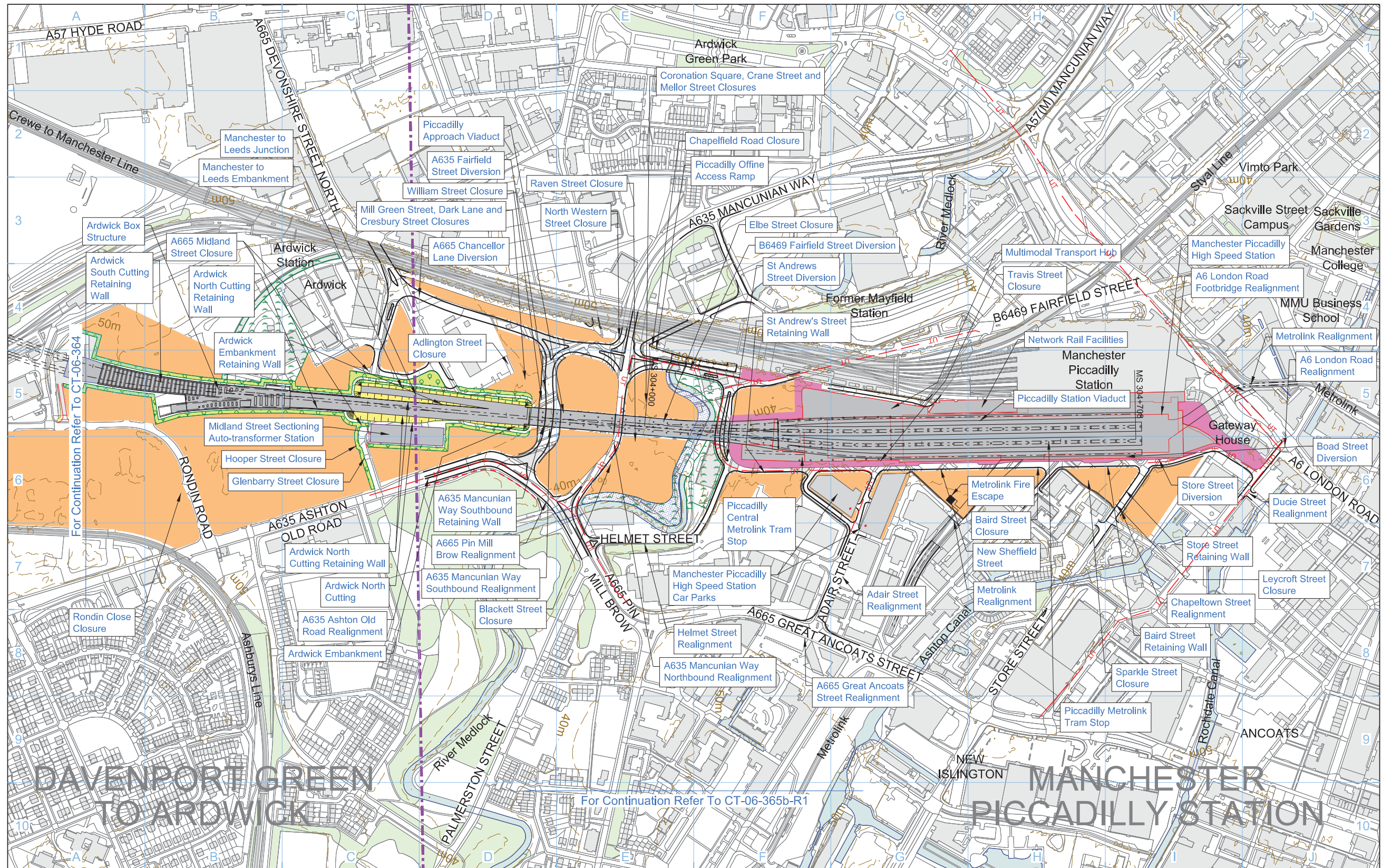


### 3.3.2 Operational Plans

#### Proposed refinement (2020): Ardwick - West Gorton



# Proposed refinement (2020): Manchester Piccadilly Station



<b>Legend</b> <ul style="list-style-type: none"> <li>Depot, station, headhouse or portal building</li> <li>Tunnel portal</li> <li>Railway Systems Site</li> <li>Ecological mitigation pond (Indicative only)</li> <li>Balancing pond</li> <li>Replacement floodplain storage area</li> <li>Pumping station</li> <li>Woodland habitat creation</li> <li>Wetland habitat creation</li> <li>Grassland habitat creation</li> <li>Landscape mitigation planting (scrub / woodland)</li> <li>Grassed areas</li> <li>Public realm</li> <li>Replacement Community Facility</li> <li>Local placement</li> <li>Returned to suitable development use</li> <li>Hedgerow</li> <li>County boundary</li> <li>Borough / District boundary</li> <li>Community area boundary</li> <li>Watercourse diversion</li> <li>Existing watercourse</li> <li>New ditches</li> <li>Engineering earthworks</li> <li>Landscape earthworks</li> <li>Rail alignment formation</li> <li>Tunnels external extent</li> <li>Major utility works</li> <li>Existing public right of way</li> <li>New, diverted or realigned public right of way</li> <li>Public right of way closure</li> <li>Existing woodland</li> <li>Existing buildings</li> <li>Existing inland water</li> <li>Existing contours</li> <li>HS2 access</li> <li>Noise fence barrier</li> <li>Rail alignment</li> <li>Chainage (e.g. 10+000)</li> </ul>		Map Number <b>CT-06-365b</b> Map Name <b>Proposed Scheme</b> Community Area MA08 Manchester Piccadilly Station	<p>Registered in England                  Registration No. 30781686                  Registered office:                  2 Snow Hill, Queensway,                  Birmingham, B4 6GA</p> <p>Scale at A3: 1:5,000</p> <p>© Crown copyright and database rights 2018.                  Ordnance Survey Licence Number 100049190.</p> <p>Doc Number: 2DE01-MWJ-EV-DPL-M003-620365 P08 Date: 28/07/20</p>
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### 3.3.3 Visualisations

#### View south from A635 Ashton Old Road

Current Baseline



Proposed Scheme



**Technical Information**

**Description**  
View south from A635 Ashton Old Road. This visualisation captures the view south from A635 Ashton Old Road illustrating the change in extent of the Ardwick Depot

**Key Plan**



This visualisation is provided for illustration purposes only to help inform the Design Refinement Consultation events. These are produced as a snapshot of the current work in progress as the Proposed Scheme may be subject to change through ongoing design development and in response to consultation. Where mitigation planting is proposed it has been shown as newly planted stock at Year 1 of operation, which would mature and establish over time. For the Hybrid Bill submission, Volume 5 of the supporting Environmental Statement will present a full visual impact assessment of representative viewpoints. To further inform the visual impact assessment, a number of verifiable photomontages will be produced from selected viewpoints to simulate the likely visual change that would result from the Proposed Scheme during construction, at Year 1, and/or at Year 15. At this scale, the visualisations do not lend themselves to direct comparison out in the field.



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Registration No. 05791686  
Registered office:  
2 Snow Hill, Queensway,  
Birmingham, B4 6GA

Creator/Originator  
MW JV (Mott MacDonald and WSP Joint Venture)

Zone	Manchester Piccadilly Station			Project/Contract	CDES Area 1 (CE1)		
Design Stage	Hybrid Bill - Interim Preliminary Design			Discipline/Function	Environmental		
Drawing Title	Visualisation Produced For The Design Refinement			Drawn	Checked	Approved	
	Consultation 2 -			AHO	CPA	CGI	
	View south from A635 Ashton Old Road			Date	Scale	Size	
				04/08/2020	1:1	A1	
				Drawing No.	Rev.		
				2DE01-MWJ-EV-DPH-M005-066011	P02		

# View south and west from Chapeltown Street

Current Baseline



Proposed Scheme

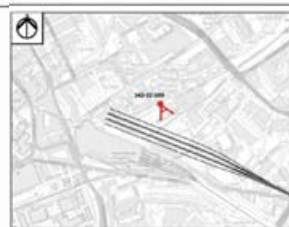


## Technical Information

### Description

This visualisation captures the view south and west from Chapeltown Street illustrating the changes associated with Manchester Piccadilly station View south and west from Chapeltown Street.

### Key Plan



This visualisation is provided for illustration purposes only to help inform the Design Refinement Consultation events. These are produced as a snapshot of the current work in progress as the Proposed Scheme may be subject to change through ongoing design development and in response to consultation.

Where mitigation planting is proposed it has been shown as newly planted stock at Year 1 of operation, which would mature and establish over time.

For the Hybrid Bill submission, Volume 5 of the supporting Environmental Statement will present a full visual impact assessment of representative viewpoints. To further inform the visual impact assessment, a number of verifiable photomontages will be produced from selected viewpoints to simulate the likely visual change that would result from the Proposed Scheme during construction, at Year 1, and/or at Year 15.

At this scale, the visualisations do not lend themselves to direct comparison out in the field.

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Registered office:  
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Birmingham, B4 6GA

Creator/Originator  
MW JV (Mott MacDonald and WSP Joint Venture)

Zone	Manchester Piccadilly Station			Project/Contract	CDES Area 1 (CE1)		
Design Stage	Hybrid Bill - Interim Preliminary Design			Discipline/Function	Environmental		
Drawing Title	Drawn	Checked	Approved	Visualisation Produced For The Design Refinement			
	AHO	CPA	CGI	Date	Scale	Size	
				04/08/2020	1:1	A1	
	Drawing No.	Rev.	Consultation 2 - View south and west from Chapeltown Street				
	2DE01-MWJ-EV-DPH-M005-066012	P02					

# Illustration: View south and west from Chapeltown Street



## Technical Information

### Description

This illustration captures the view south and west from Chapeltown Street illustrating the changes associated with Manchester Piccadilly station View south and west from Chapeltown Street.

### Key Plan



This drawing is provided for illustration purposes only to help inform the Design Refinement Consultation events. These are produced as a snapshot of the current work in progress as the Proposed Scheme may be subject to change through ongoing design development and in response to consultation. At this scale, the illustration does not lend themselves to direct comparison out in the field.

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Registered office:  
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Birmingham, B4 6QA

Creator/Originator  
MW JV (Mott MacDonald and WSP Joint Venture)

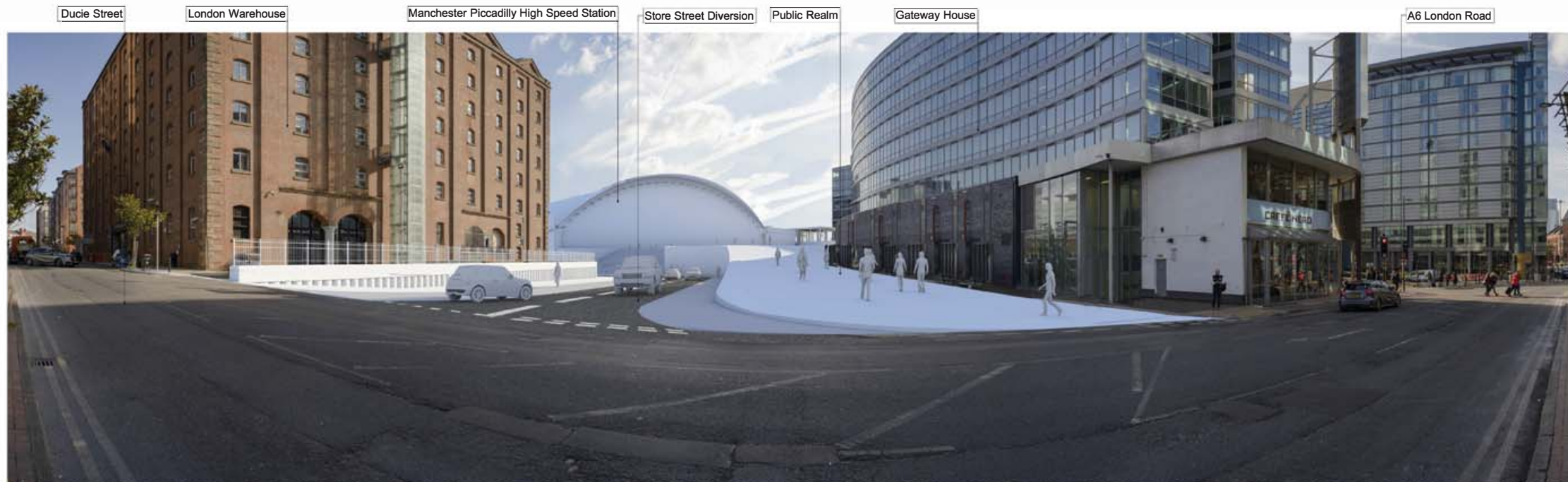
Zone	Manchester Piccadilly Station			Project/Contract	CDES Area 1 (CE1)		
Design Stage	Hybrid Bill - Interim Preliminary Design			Discipline/Function	Environmental		
Drawing Title	Illustration Produced For The Design Refinement			Drawn	Checked	Approved	
	Consultation 2 - View south and west from Chapeltown Street			AHO	CPA	CGI	
	Date	Scale	Size	12/08/2020	NTS	A1	
	Drawing No.	Rev.		2DE01-MWJ-EV-DSK-M005-066001		P01	

# View south from Ducie Street

## Current Baseline



## Proposed Scheme



### Technical Information

**Description**  
View south from Ducie Street. This visualisation captures the view south from Ducie Street illustrating the changes associated with Manchester Piccadilly station

### Key Plan



This visualisation is provided for illustration purposes only to help inform the Design Refinement Consultation events. These are produced as a snapshot of the current work in progress as the Proposed Scheme may be subject to change through ongoing design development and in response to consultation.

Where mitigation planting is proposed it has been shown as newly planted stock at Year 1 of operation, which would mature and establish over time.

For the Hybrid Bill submission, Volume 5 of the supporting Environmental Statement will present a full visual impact assessment of representative viewpoints. To further inform the visual impact assessment, a number of verifiable photomontages will be produced from selected viewpoints to simulate the likely visual change that would result from the Proposed Scheme during construction, at Year 1, and/or at Year 15.

At this scale, the visualisations do not lend themselves to direct comparison out in the field.

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Birmingham, B4 6GA

Creator/Originator  
MW JV (Mott MacDonald and WSP Joint Venture)

Zone	Manchester Piccadilly Station			Project/Contract	CDES Area 1 (CE1)				
Design Stage	Hybrid Bill - Interim Preliminary Design			Discipline/Function	Environmental				
Drawing Title	Visualisation Produced For The Design Refinement Consultation 2 - View south from Ducie Street.			Drawn	AHO	Checked	CPA	Approved	CGI
Date	04/08/2020			Scale	1:1			Size	A1
Drawing No.	2DE01-MWJ-EV-DPH-M005-066014			Rev.	P02				

# Illustration: View south from Ducie Street



## Technical Information

### Description

View south from Store Street.  
This illustration captures the view south from Store Street illustrating the changes associated with Manchester Piccadilly station

### Key Plan



This drawing is provided for illustration purposes only to help inform the Design Refinement Consultation events. These are produced as a snapshot of the current work in progress as the Proposed Scheme may be subject to change through ongoing design development and in response to consultation. At this scale, the illustration does not lend themselves to direct comparison out in the field.

# HS2

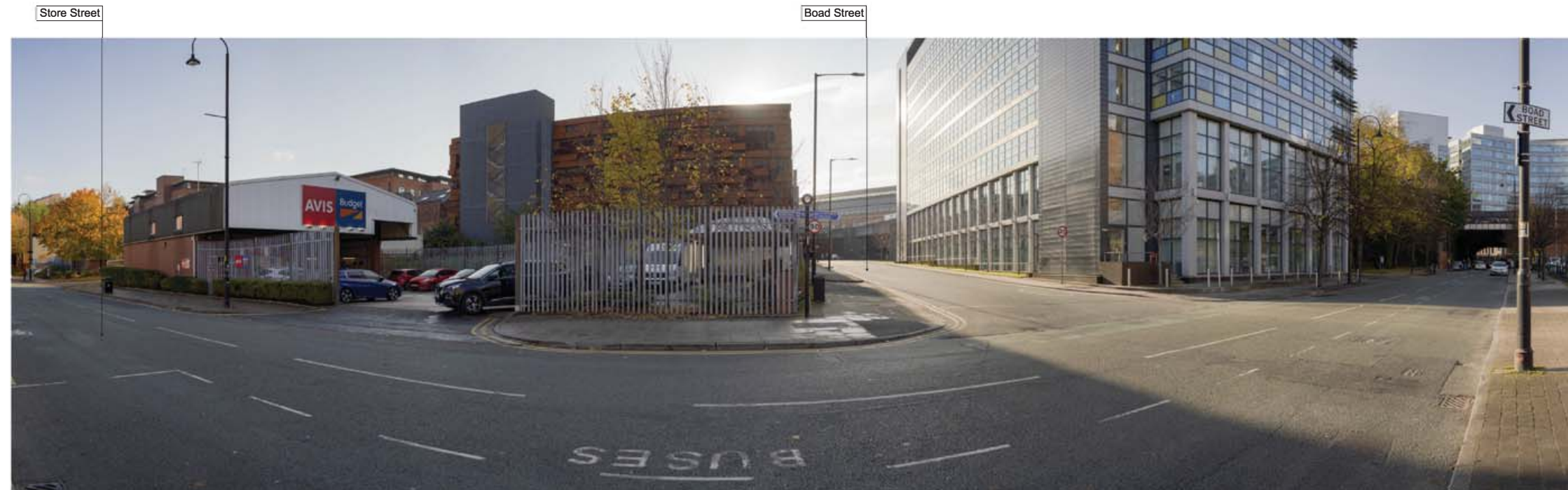
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Birmingham, B4 6QA

Creator/Originator  
MW JV (Mott MacDonald and WSP Joint Venture)

Zone	Manchester Piccadilly Station			Project/Contract	CDES Area 1 (CE1)		
Design Stage	Hybrid Bill - Interim Preliminary Design			Discipline/Function	Environmental		
Drawing Title	Illustration Produced For The Design Refinement Consultation 2 - View south from Store Street.			Drawn	Checked	Approved	
	AHO	CPA	CGI	Date	Scale	Size	
	12/08/2020	NTS	A1	Drawing No.	Rev.		
	2DE01-MWJ-EV-DSK-M005-066002	P01					

# View south from Store Street

Current Baseline



Proposed Scheme



## Technical Information

**Description**  
View south from Store Street. This visualisation captures the view south from Store Street illustrating the changes associated with Manchester Piccadilly station

## Key Plan



This visualisation is provided for illustration purposes only to help inform the Design Refinement Consultation events. These are produced as a snapshot of the current work in progress as the Proposed Scheme may be subject to change through ongoing design development and in response to consultation.

Where mitigation planting is proposed it has been shown as newly planted stock at Year 1 of operation, which would mature and establish over time.

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At this scale, the visualisations do not lend themselves to direct comparison out in the field.

# HS2

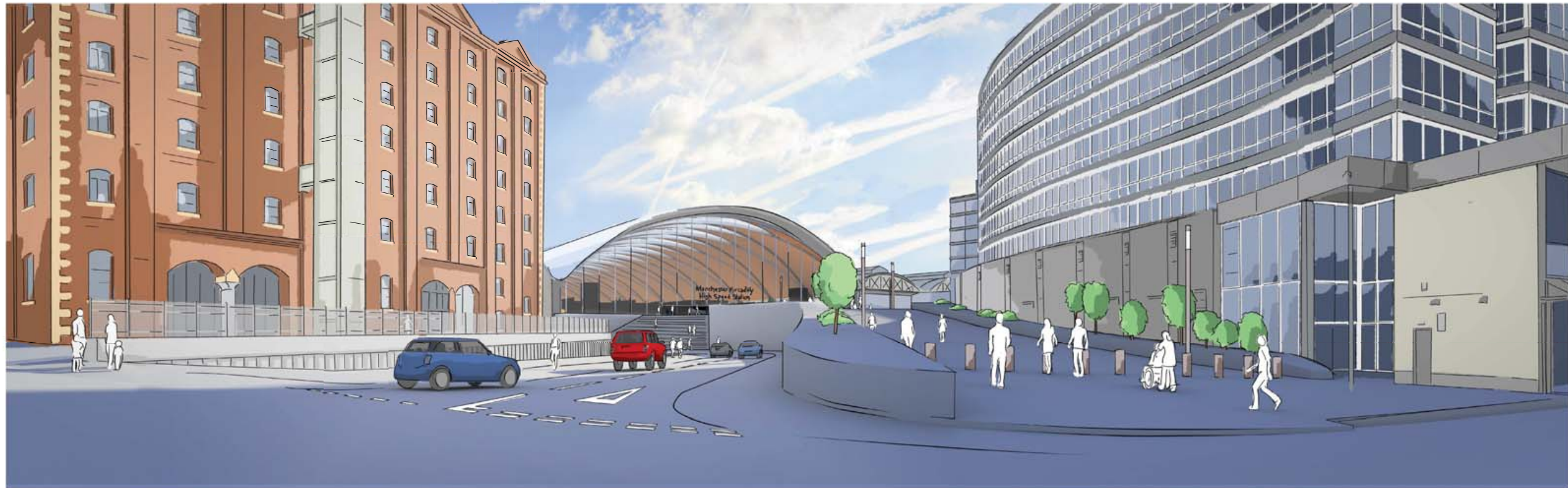
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Registered office:  
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Birmingham, B4 6GA

Creator/Originator  
MW JV (Mott MacDonald and WSP Joint Venture)

Zone	Manchester Piccadilly Station			Project/Contract	CDES Area 1 (CE1)		
Design Stage	Hybrid Bill - Interim Preliminary Design			Discipline/Function	Environmental		
Drawing Title	Drawn	Checked	Approved				
	AHO	CPA	CGI				
Visualisation Produced For The Design Refinement	Date	Scale	Size				
Consultation 2 - View south from Store Street.	04/08/2020	1:1	A1				
	Drawing No.	Rev.					
	2DE01-MWJ-EV-DPH-M005-068013	P02					



# Illustration: View south from Store Street



## Technical Information

**Description**  
View south from Ducie Street.  
This illustration captures the view south from Ducie Street illustrating the changes associated with Manchester Piccadilly station

## Key Plan



This drawing is provided for illustration purposes only to help inform the Design Refinement Consultation events. These are produced as a snapshot of the current work in progress as the Proposed Scheme may be subject to change through ongoing design development and in response to consultation. At this scale, the illustration do not lend themselves to direct comparison out in the field.

# HS2

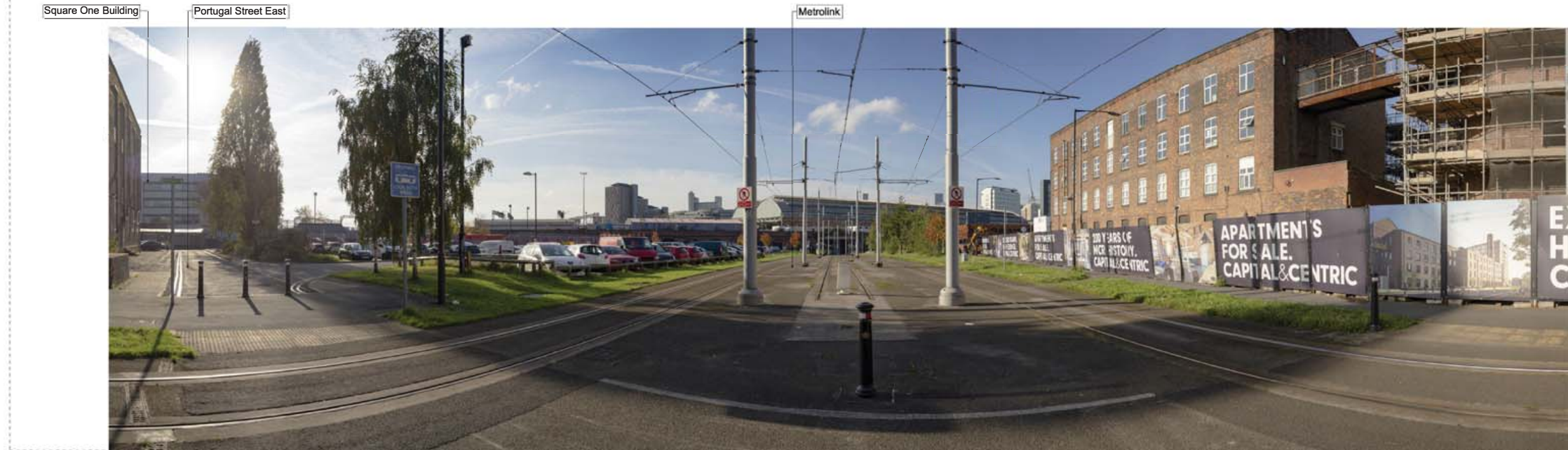
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Creator/Originator  
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Zone Manchester Piccadilly Station		Project/Contract CDES Area 1 (CE1)		
Design Stage Hybrid Bill - Interim Preliminary Design		Discipline/Function Environmental		
Drawing Title Illustration Produced For The Design Refinement Consultation 2 - View south from Ducie Street.		Drawn AHO	Checked CPA	Approved CGI
		Date 12/08/2020	Scale NTS	Size A1
		Drawing No. 2DE01-MWJ-EV-DSK-M005-066003	Rev. P01	

# View west from Baird Street/Portugal Street East

## Current Baseline



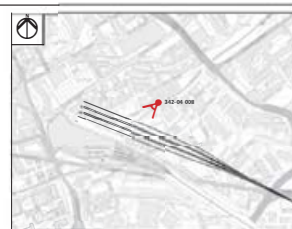
## Proposed Scheme



## Technical Information

**Description**  
View west from Baird Street/Portugal Street East. This visualisation captures the view west from Baird Street/Portugal Street East illustrating the changes associated with Manchester Piccadilly High Speed station and Metrolink.

## Key Plan



This visualisation is provided for illustration purposes only to help inform the Design Refinement Consultation events. These are produced as a snapshot of the current work in progress as the Proposed Scheme may be subject to change through ongoing design development and in response to consultation. Where mitigation planting is proposed it has been shown as newly planted stock at Year 1 of operation, which would mature and establish over time. For the Hybrid Bill submission, Volume 5 of the supporting Environmental Statement will present a full visual impact assessment of representative viewpoints. To further inform the visual impact assessment, a number of verifiable photomontages will be produced from selected viewpoints to simulate the likely visual change that would result from the Proposed Scheme during construction, at Year 1, and/or at Year 15. At this scale, the visualisations do not lend themselves to direct comparison out in the field.

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Zone	Manchester Piccadilly Station			Project/Contract	CDES Area 1 (CE1)		
Design Stage	Hybrid Bill - Interim Preliminary Design			Discipline/Function	Environmental		
Drawing Title	Visualisation Produced For The Design Refinement Consultation 2 - View west from Baird Street/Portugal Street East			Drawn	Checked	Approved	
	AHO	CPA	CGI	Date	Scale	Size	
	04/08/2020	1:1	A1	Drawing No.	Rev.		
	2DE01-MWJ-EV-DPH-M005-066015		P02				

# Illustration: View west from Baird Street/Portugal Street East



## Technical Information

### Description

View west from Baird Street/Portugal Street East.  
This illustration captures the view west from Baird Street/Portugal Street East illustrating the changes associated with Manchester Piccadilly High Speed station and Metrolink.

### Key Plan



This drawing is provided for illustration purposes only to help inform the Design Refinement Consultation events. These are produced as a snapshot of the current work in progress as the Proposed Scheme may be subject to change through ongoing design development and in response to consultation. At this scale, the illustration does not lend themselves to direct comparison out in the field.

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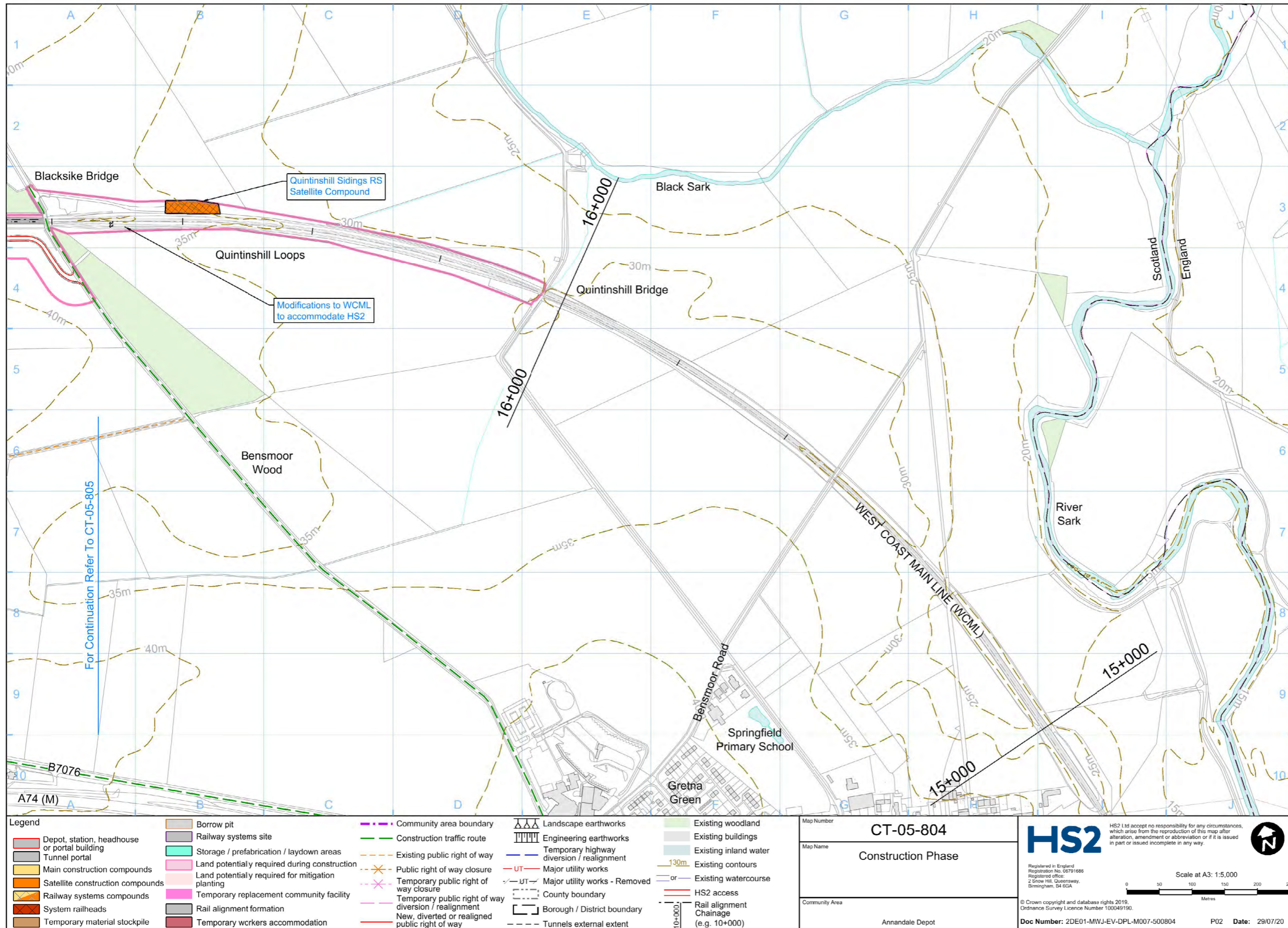
Creator/Originator  
MW JV (Mott MacDonald and WSP Joint Venture)

Zone	Manchester Piccadilly Station			Project/Contract	CDES Area 1 (CE1)		
Design Stage	Hybrid Bill - Interim Preliminary Design			Discipline/Function	Environmental		
Drawing Title	Illustration Produced For The Design Refinement Consultation 2 - View west from Baird Street/ Portugal Street East			Drawn	Checked	Approved	
	AHO	CPA	CGI	Date	Scale	Size	
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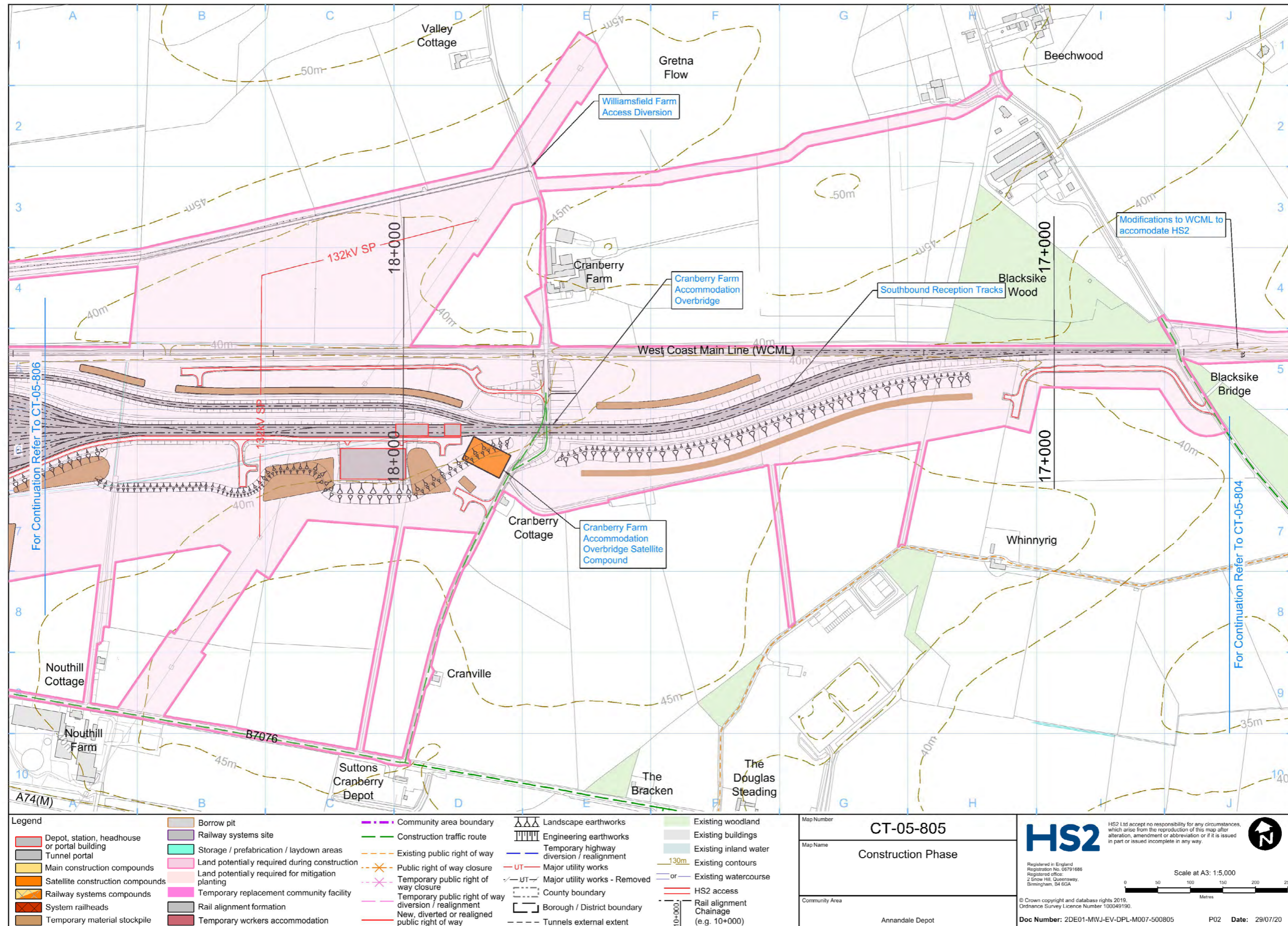
### 3.4 Train stabling facility at the proposed Annandale Depot, Dumfries and Galloway

#### 3.4.1 Construction Plans

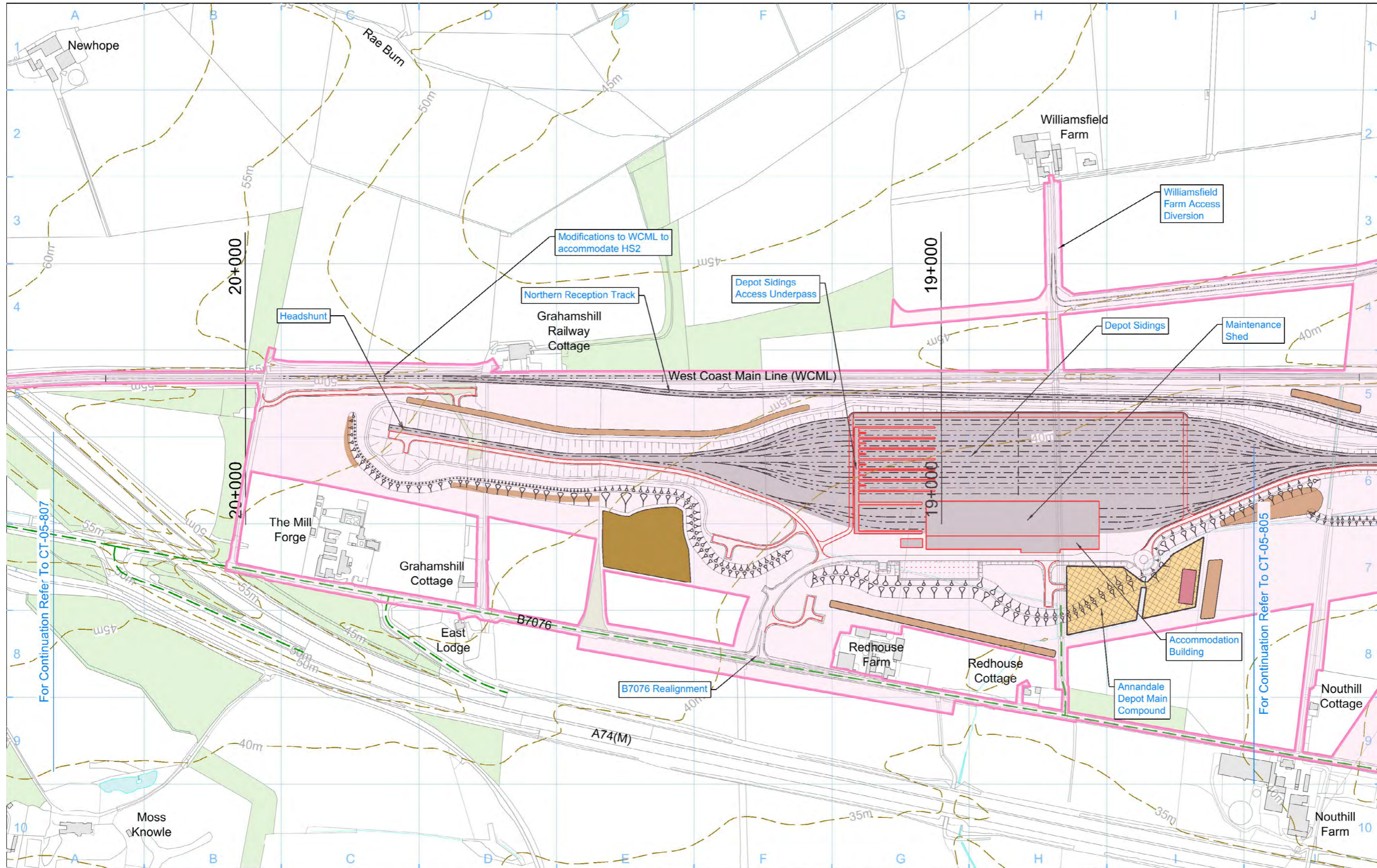
#### Proposed refinement (2020): Blacksike Bridge



# Proposed refinement (2020): Cranberry Farm

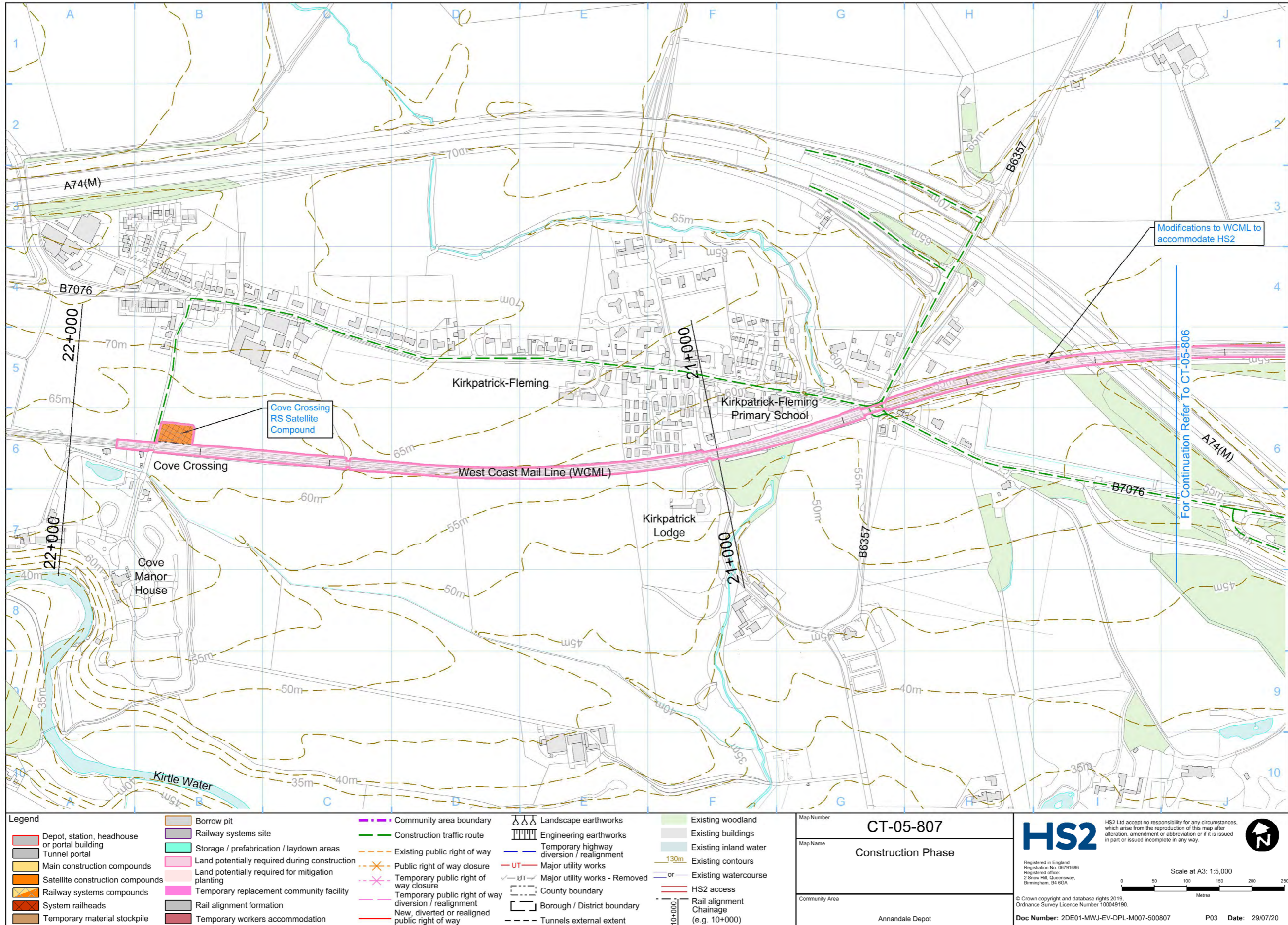


# Proposed refinement (2020): Train stabling facility at the proposed Annandale depot



<b>Legend</b> <ul style="list-style-type: none"> <li>Depot, station, headhouse or portal building</li> <li>Tunnel portal</li> <li>Main construction compounds</li> <li>Satellite construction compounds</li> <li>Railway systems compounds</li> <li>System railheads</li> <li>Temporary material stockpile</li> <li>Borrow pit</li> <li>Railway systems site</li> <li>Storage / prefabrication / laydown areas</li> <li>Land potentially required during construction</li> <li>Land potentially required for mitigation planting</li> <li>Temporary replacement community facility</li> <li>Rail alignment formation</li> <li>Temporary workers accommodation</li> <li>Community area boundary</li> <li>Construction traffic route</li> <li>Existing public right of way</li> <li>Public right of way closure</li> <li>Temporary public right of way closure</li> <li>Temporary public right of way diversion / realignment</li> <li>New, diverted or realigned public right of way</li> <li>Landscape earthworks</li> <li>Engineering earthworks</li> <li>Temporary highway diversion / realignment</li> <li>Major utility works</li> <li>Major utility works - Removed</li> <li>County boundary</li> <li>Borough / District boundary</li> <li>Tunnels external extent</li> <li>Existing woodland</li> <li>Existing buildings</li> <li>Existing inland water</li> <li>Existing contours</li> <li>Existing watercourse</li> <li>HS2 access</li> <li>Rail alignment Chainage (e.g. 10+000)</li> </ul>		Map Number <b>CT-05-806</b> Map Name <b>Construction Phase</b> Community Area Annandale Depot	<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 No. 28791688                  Registered office:                  2 Snow Hill, Queensway,                  Birmingham, B4 6QA</p> <p>Scale at A3: 1:5,000</p> <p>© Crown copyright and database rights 2019.                  Ordnance Survey Licence Number 100049190.</p> <p>Doc Number: 2DE01-MVJ-EV-DPL-M007-500806 P02 Date: 29/07/20</p>
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# Proposed refinement (2020): Kirkpatrick-Fleming



Legend		Community area boundary		Landscape earthworks		Existing woodland	
Depot, station, headhouse or portal building	Borrow pit	Community area boundary	Construction traffic route	Landscape earthworks	Existing woodland	Existing buildings	Existing inland water
Tunnel portal	Storage / prefabrication / laydown areas	Existing public right of way	Temporary highway diversion / realignment	Engineering earthworks	Existing contours	Existing watercourse	Existing watercourse
Main construction compounds	Land potentially required during construction	Public right of way closure	Major utility works	Major utility works - Removed	or	HS2 access	HS2 access
Satellite construction compounds	Land potentially required for mitigation planting	Temporary public right of way closure	Major utility works - Removed	Major utility works - Removed	HS2 access	Rail alignment Chainage (e.g. 10+000)	Rail alignment Chainage (e.g. 10+000)
Railway systems compounds	Temporary replacement community facility	Temporary public right of way diversion / realignment	County boundary	County boundary	HS2 access	Rail alignment Chainage (e.g. 10+000)	Rail alignment Chainage (e.g. 10+000)
System railheads	Rail alignment formation	New, diverted or realigned public right of way	Borough / District boundary	Borough / District boundary	HS2 access	Rail alignment Chainage (e.g. 10+000)	Rail alignment Chainage (e.g. 10+000)
Temporary material stockpile	Temporary workers accommodation	Tunnels external extent	Tunnels external extent	Tunnels external extent	HS2 access	Rail alignment Chainage (e.g. 10+000)	Rail alignment Chainage (e.g. 10+000)

Map Number	CT-05-807
Map Name	Construction Phase
Community Area	Annandale Depot

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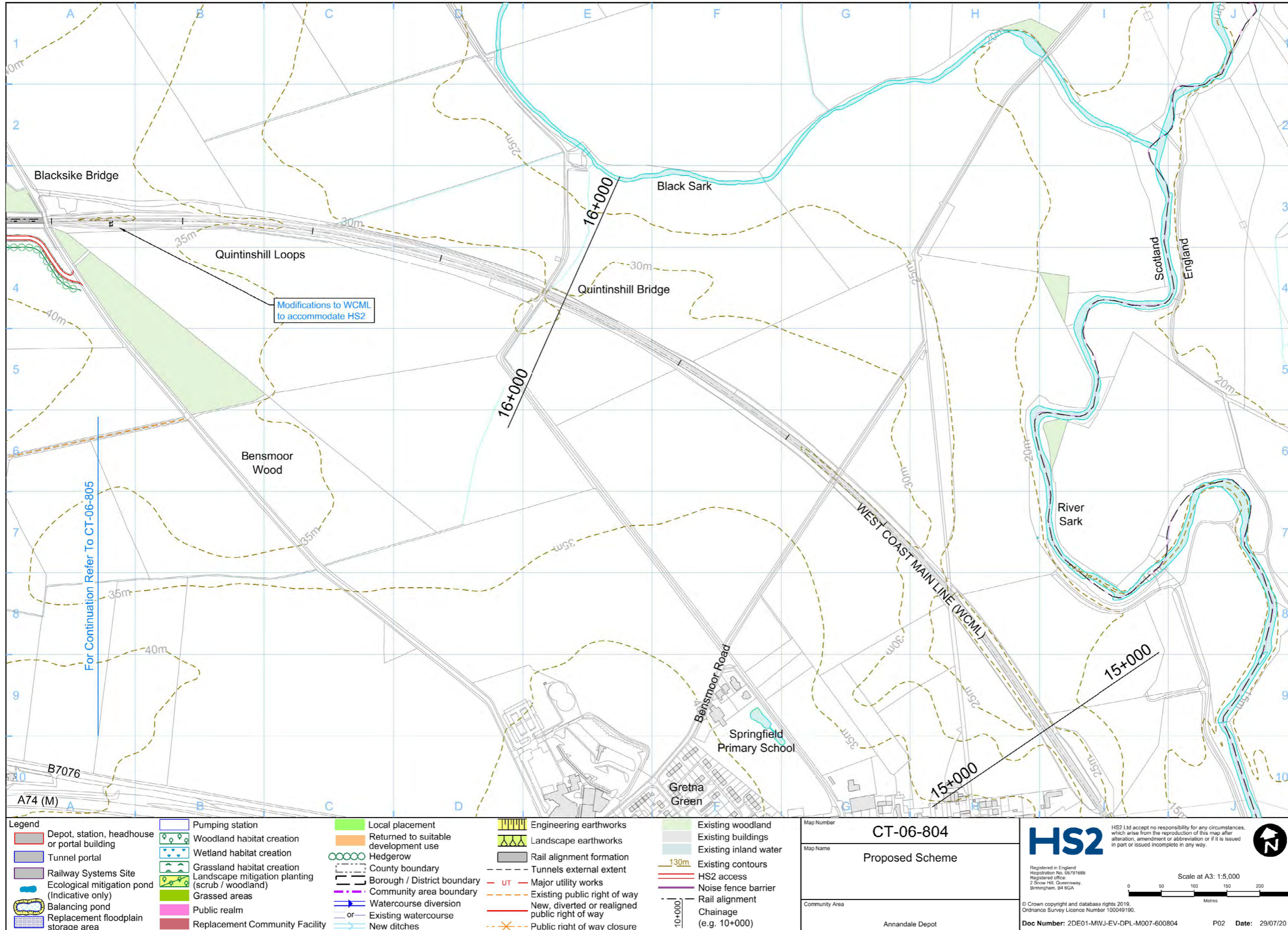
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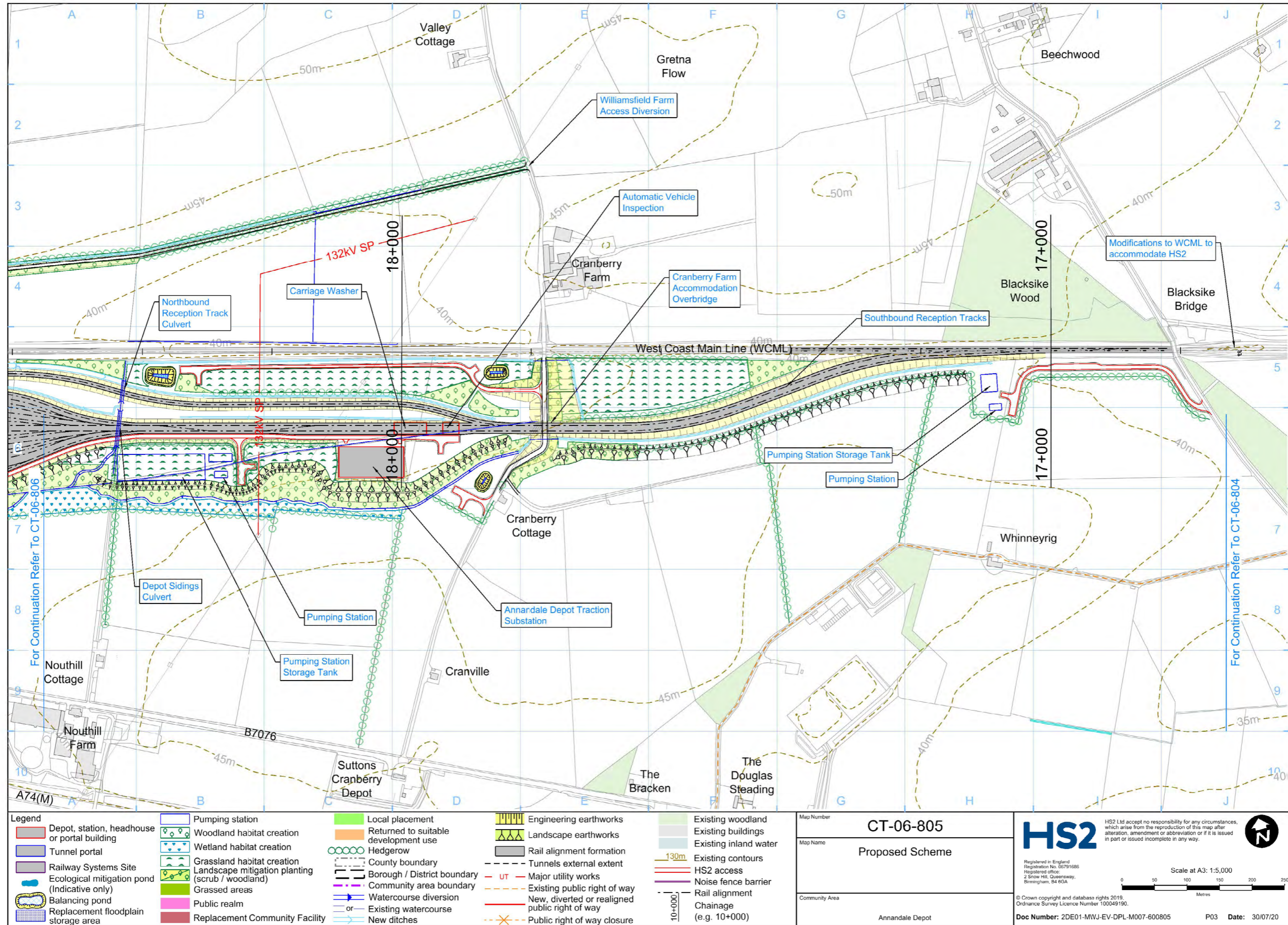
### 3.4.2 Operational Plans

#### Proposed refinement (2020): Blacksike Bridge

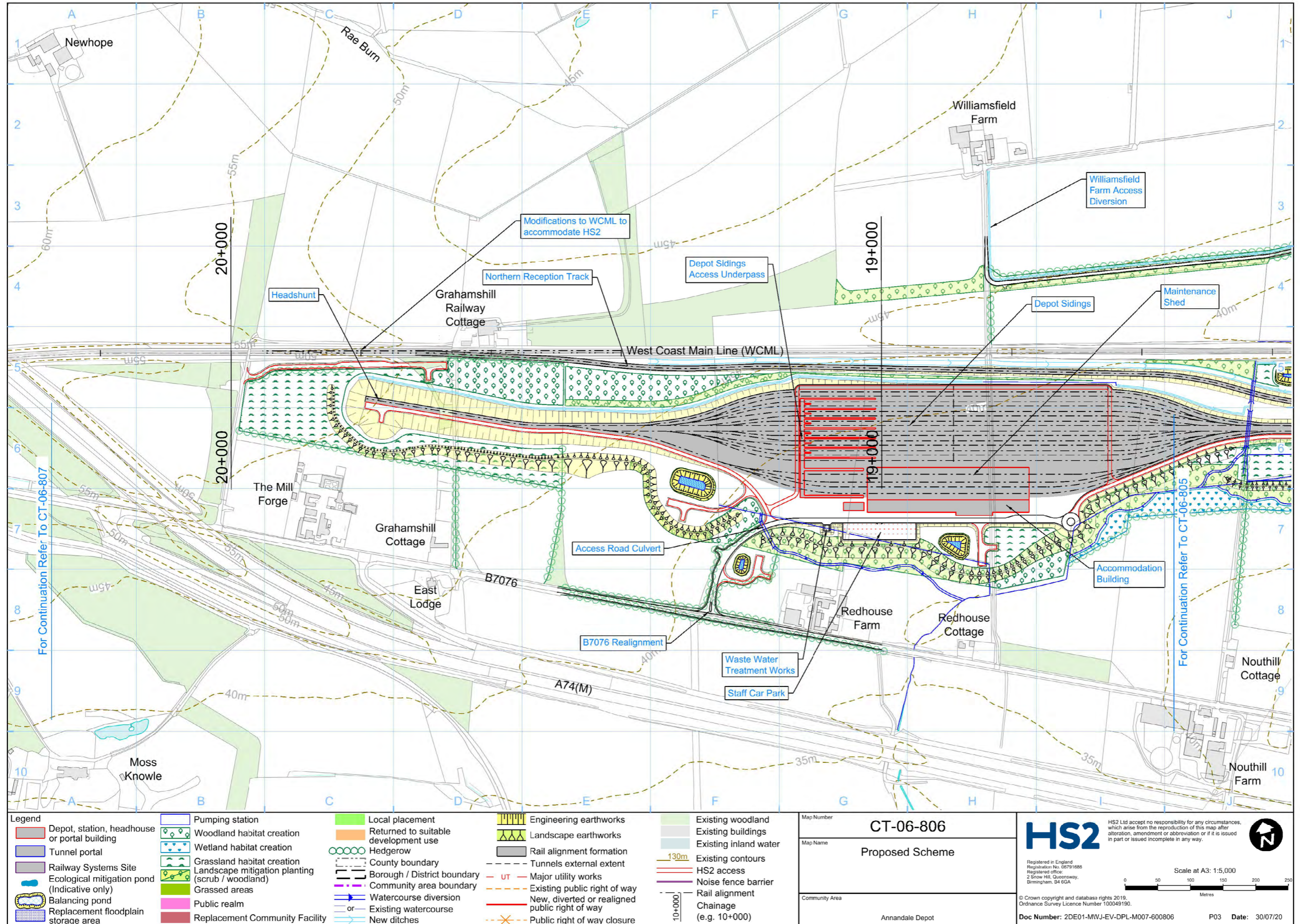




# Proposed refinement (2020): Cranberry Farm



# Proposed refinement (2020): Train stabling facility at the proposed Annandale depot



Legend		Engineering earthworks		Existing woodland	
Depot, station, headhouse or portal building	Pumping station	Local placement	Engineering earthworks	Existing woodland	Existing buildings
Tunnel portal	Woodland habitat creation	Returned to suitable development use	Landscape earthworks	Existing inland water	Existing contours
Railway Systems Site	Wetland habitat creation	Hedgerow	Rail alignment formation	Existing contours	HS2 access
Ecological mitigation pond (Indicative only)	Grassland habitat creation	County boundary	Tunnels external extent	Existing contours	Noise fence barrier
Balancing pond	Landscape mitigation planting (scrub / woodland)	Borough / District boundary	Major utility works	Existing contours	Rail alignment Chainage (e.g. 10+000)
Replacement floodplain storage area	Grassed areas	Community area boundary	Existing public right of way	Existing contours	
	Public realm	Watercourse diversion	New, diverted or realigned public right of way	Existing contours	
	Replacement Community Facility	Existing watercourse	Public right of way closure	Existing contours	
		New ditches		Existing contours	

Map Number	CT-06-806
Map Name	Proposed Scheme
Community Area	Annandale Depot

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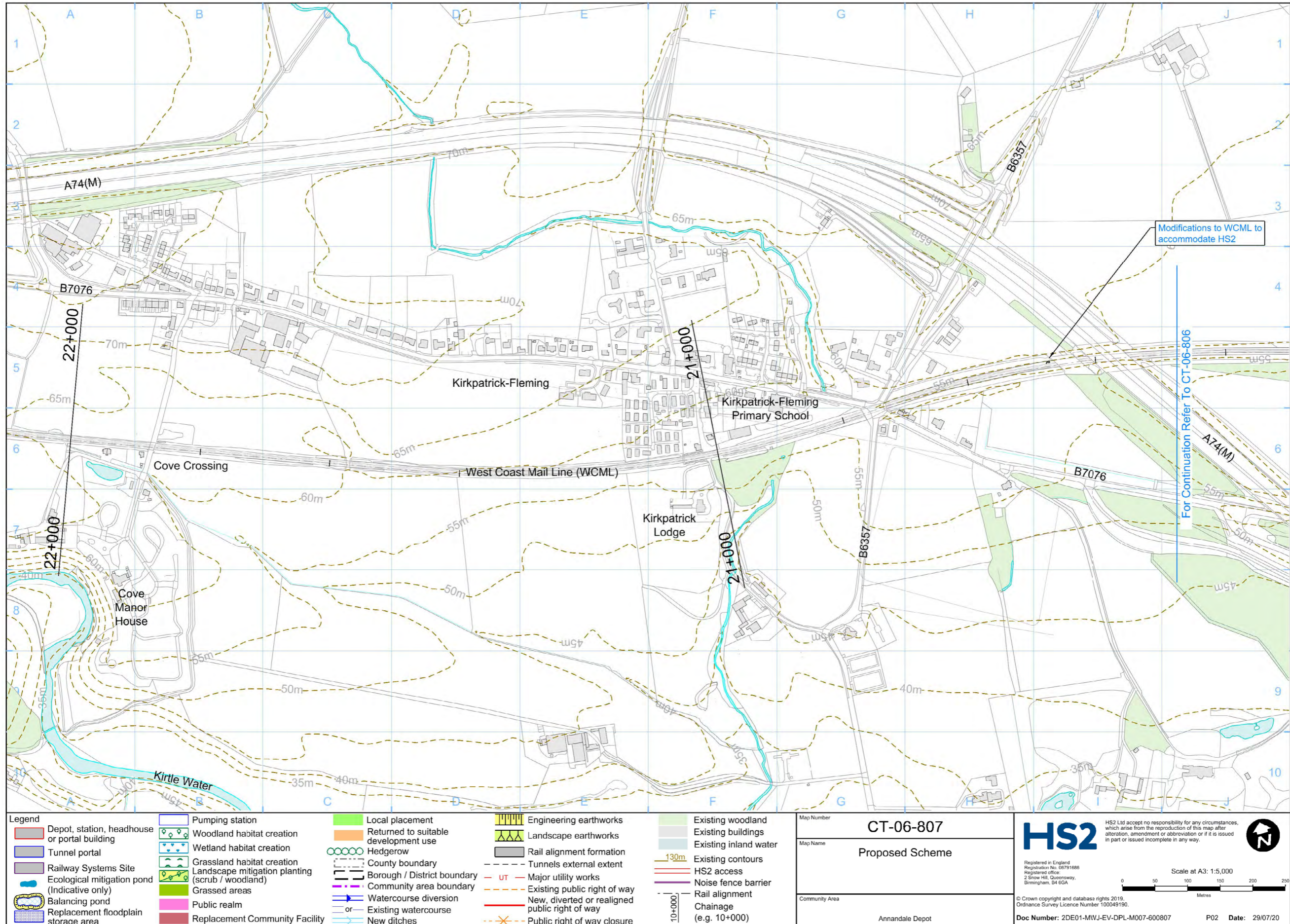
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Doc Number: 2DE01-MWJ-EV-DPL-M007-600806 P03 Date: 30/07/20

# Proposed refinement (2020): Kirkpatrick-Fleming



Legend	
Depot, station, headhouse or portal building	Pumping station
Tunnel portal	Woodland habitat creation
Railway Systems Site	Wetland habitat creation
Ecological mitigation pond (Indicative only)	Grassland habitat creation
Balancing pond	Landscape mitigation planting (scrub / woodland)
Replacement floodplain storage area	Grassed areas
Public realm	Replacement Community Facility
Local placement	Returned to suitable development use
Hedgerow	County boundary
Borough / District boundary	Community area boundary
Watercourse diversion	Existing watercourse
New ditches	Engineering earthworks
Landscape earthworks	Rail alignment formation
Tunnels external extent	Major utility works
Existing public right of way	New, diverted or realigned public right of way
Public right of way closure	Existing woodland
Existing buildings	Existing inland water
Existing contours	HS2 access
Noise fence barrier	Rail alignment Chainage (e.g. 10+000)

Map Number	CT-06-807
Map Name	Proposed Scheme
Community Area	Annandale Depot

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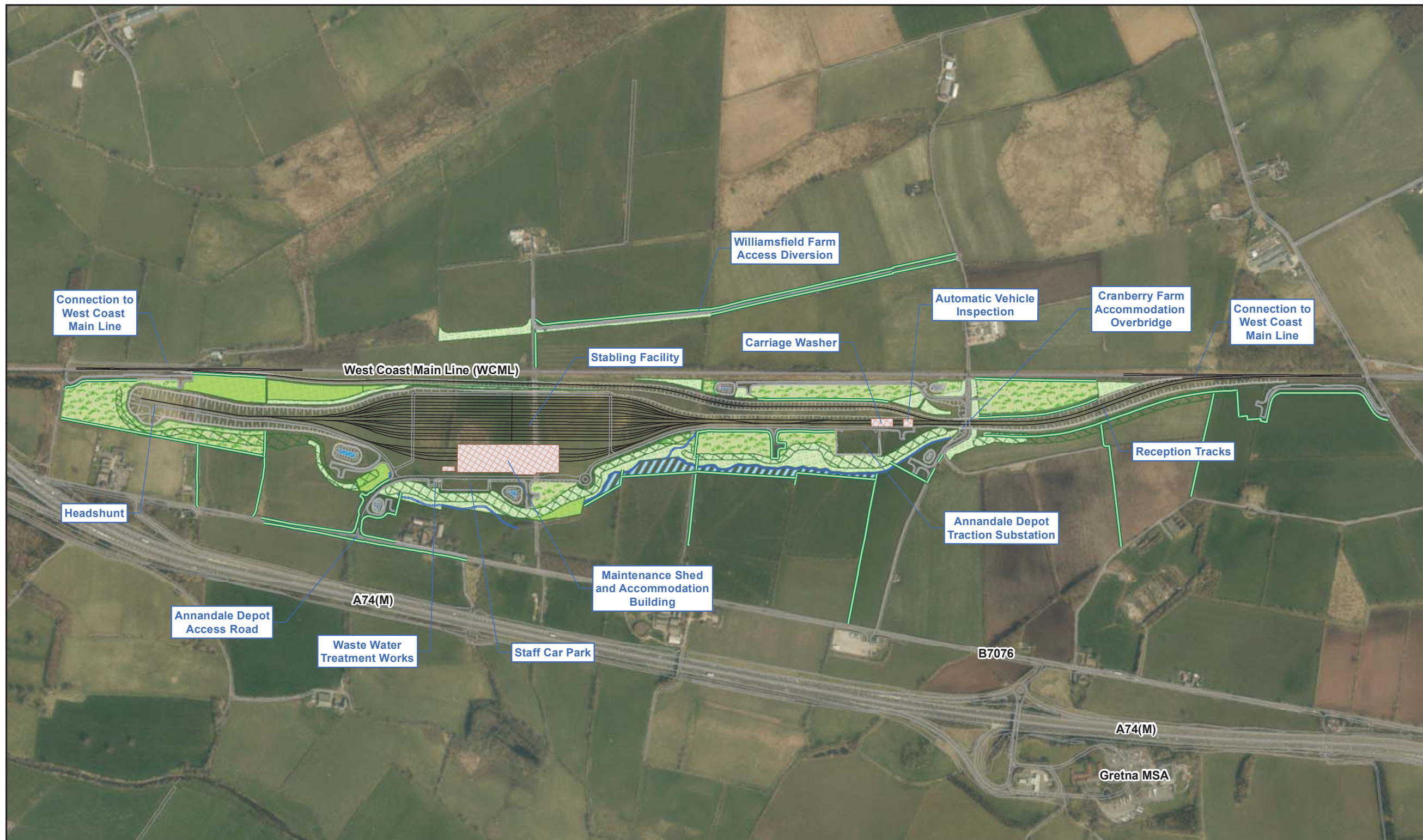
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### 3.4.3 Overview Plan

Plan showing the proposed train stabling facility at Annandale.



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## 4. How to respond and next steps

### Deadline for feedback

The deadline for responding to the Western Leg Design Refinement Consultation is 11:45pm on 11 December 2020. Please ensure that you send your response before that date to ensure that it is included in our analysis and consideration.

Email and online responses can be submitted until 11:45pm on the final day of the consultation. Postal responses must be posted on or before the final day of the consultation.

Please only use the channels listed below when responding to this consultation. We cannot guarantee that responses sent to any other addresses will be considered as part of this consultation.

You can access the consultation documents and the online response form at: <https://www.gov.uk/government/consultations/hs2-phase-2b-western-leg-design-refinement-consultation>.

### How to respond

You can respond to the consultation in the following ways:

- Online: You can respond to the consultation at <https://ipsos.uk/designrefinement2b>
- Email: You can email your response to [designrefinement2b@ipsos-mori.com](mailto:designrefinement2b@ipsos-mori.com)
- Post: You can post your response to FREEPOST HS2 PHASE 2B DESIGN REFINEMENT. Please note that you do not need to include any more information on the envelope than the full FREEPOST address on a single line. No stamp is required.

### Helpdesk

If you have any questions about the information in this document or about the consultation, please get in touch via the HS2 Helpdesk on 08081 434 434, by Minicom on 08081 456 472, or via [hs2enquiries@hs2.org.uk](mailto:hs2enquiries@hs2.org.uk).

You can also request a copy of this consultation document in large print, braille or audio from the Helpdesk.

Please do not send your consultation responses to the Helpdesk. Instead use the methods set out above.





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