

Understanding our Drawings

We have prepared three sets of drawings to help you understand our proposals presented at this consultation and how you may be affected by them. These sets of drawings are:

- Temporary Plan Drawings – Drawing series 133735-MWJ-Z0-XXX-DRG-CSE-000100
- Permanent Plan Drawings – Drawing series 133735-MWJ-Z0-XXX-DRG-CSE-000101
- Permanent Plan and Profile Drawings – Drawing series 133735-MWJ-Z0-XXX-DRG-CSE-000102

For each route section from Oxford to Cambridge, these drawings show the boundary of our proposed works (the Draft Order Limits) and the type of works proposed in each area. The boundary of our proposed works includes our infrastructure proposals, indicative environmental mitigation such as tree planting and habitat improvement works as well as land that would be used temporarily for construction.

Our Permanent Plan and Profile drawings also show the proposed height (vertical alignment) of our proposals.

These drawings should be read in conjunction with our consultation document which describe our proposals.

What is shown on the Drawings

The Drawings show the boundary of our proposed works at this consultation. This includes land for new infrastructure, works to existing infrastructure and associated mitigation works including environmental mitigation as well as land that would be used temporarily for construction.

The Permanent Plan Drawings and Plan and Profile Drawings includes our proposals for:

- Track alignment including earthworks, bridges, viaducts and tunnels
- Highway works
- Balancing ponds to support the above
- Proposed station locations and indicative layouts
- Indicative large rail system assets including traction power compounds and telecom compounds (smaller rail system assets are not shown but are assumed to fit within the proposed railway corridor)
- Public Rights of Way (PRoW), including where existing PRoWs are being closed/diverted
- Active travel routes
- Access including railway maintenance access and access for landowners to their retained land
- Preliminary environmental mitigation proposals

The Temporary Plan Drawings show our proposals for:

- Main compounds
- Satellite compounds
- Stock pile locations,
- Service roads
- Major utility diversions
- Access and working areas needed to construct the permanent works

How our proposals will develop

The proposals at this consultation are based on preliminary designs to give you a general understanding of our proposals and to help inform feedback to the consultation. Your feedback, along with the results of further technical assessments, environmental impact assessment and mitigation proposals, will help us refine our proposals further before we submit our DCO application.

Other Points of Note

- All dimensions are in metres.
- Background OS mapping from 2021.
- Connection Stage 1 (CS1) between Gavray Junction and Bletchley has only recently completed construction so background mapping does not yet reflect as-built records
- The proposals shown are illustrative only for consultation purposes only and will be subject to change as part of design development and could require minor amendments to the Draft Order Limits.
- This map is provided as a visual reference. Due to its complexity, it may not be fully accessible to all users.

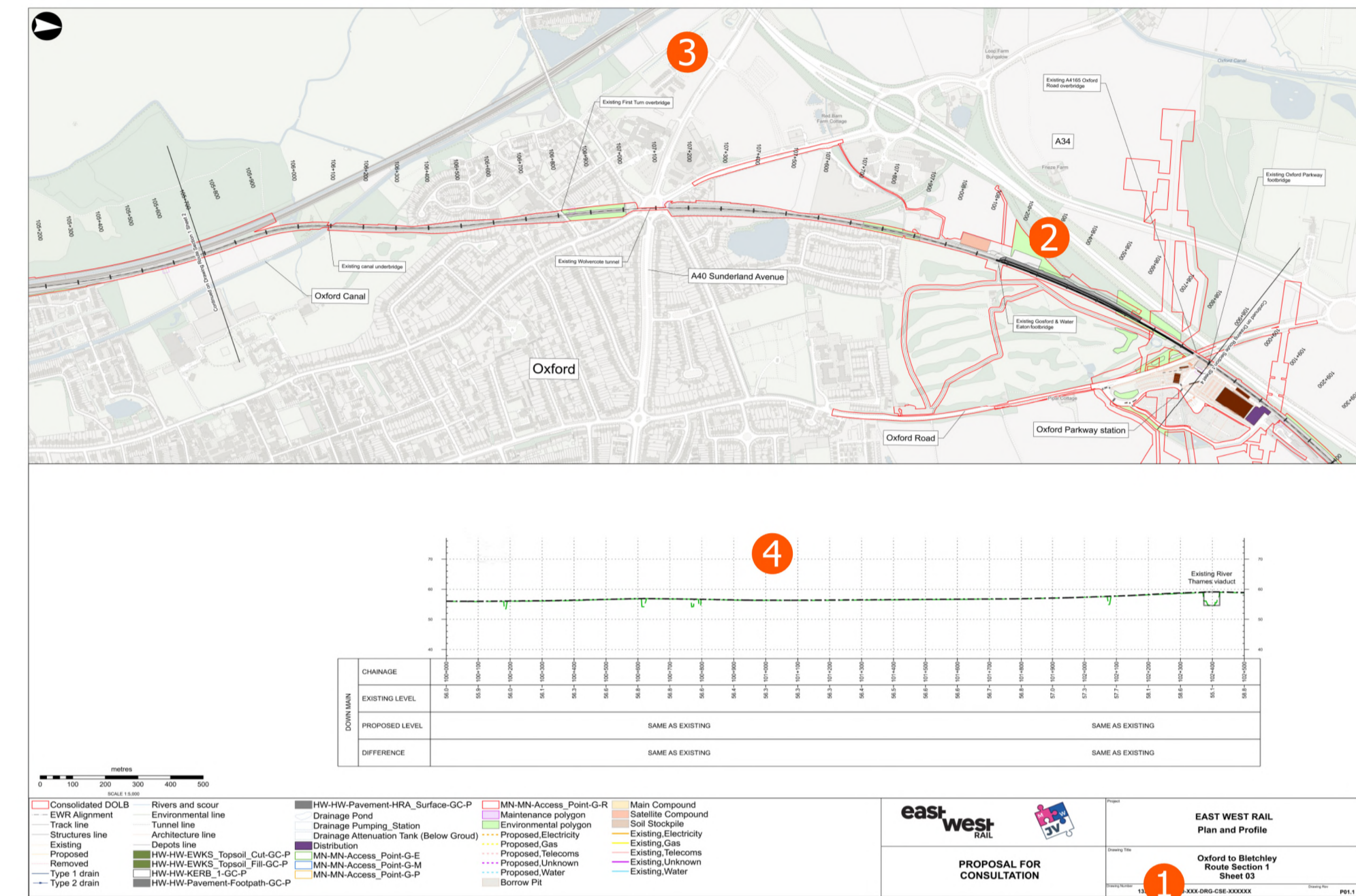
How you can use the Drawings

An example of a Plan and Profile drawing is shown below with an explanation to help you use the drawings. The same principles apply to all three sets of drawings. The numerical labels ① on the drawing correspond to the explanation below.

Our proposals are split into 8 route sections as indicated on the Drawing Map Index - 133735-MWJ-Z0-XXX-DRG-CSE-000097, 133735-MWJ-Z0-XXX-DRG-CSE-000098 and 133735-MWJ-Z0-XXX-DRG-CSE-000099. Each route section is given a different number, and within this each sheet is numbered ①.

The distance along the route section is shown using a bespoke chainage system ②. All chainages increase in a west to east direction with the first digit corresponding to the route section. For example Route Section 1 chainage starts at 100+000 and Route Section 2 chainage starts at 200+000. The distance between each chainage marker is 500 metres on the Plan drawings and 100 metres on the Plan and Profile drawings.

Each drawing shows a Plan of the area in question ③. For the Plan and Profiles we also show a profile for the same area as shown below ④. The Profile is the proposed vertical alignment of the railway relative to existing ground (to make level differences clearer to see the vertical scale is exaggerated by 10 times).



Status of the Drawings

Based on ongoing design work and feedback gathered this consultation, we will further refine our proposals and define the limits in which permanent works can be constructed. These are typically known as Limits of Deviation. Limits of Deviation help provide us with the necessary flexibility to avoid unforeseen issues. This includes engineering or environmental issues that were not known at the time of the DCO application. For temporary works, such as construction activities, mitigation works or planting works, these are not subject to Limits of Deviation, but can only take place within the Draft Order Limits.

Legend Extract

An extract is provided below which indicates which assets are shown on the Plan and Profiles and Permanent Plans.

<ul style="list-style-type: none"> Draft Order Limits EWR alignment Chainage (metres) EWR existing alignment (by others) Bridges and retaining walls proposed Public right of way - existing Public right of way - proposed Public right of way - closed Public right of way - closed by others 	<ul style="list-style-type: none"> EWR planned active travel route EWR planned active travel route (suitable for equestrians) Planned route by others River diversion Permanent highway (public and private) Engineering earthworks Maintenance compound Station or other building Work by others 	<ul style="list-style-type: none"> Drainage ditch Drainage pond Drainage attenuation tank (below ground) Drainage pumping station Noise barrier Proposed line of trees or hedgerow Enhanced line of trees or hedgerow Retained line of trees or hedgerow 	<ul style="list-style-type: none"> Proposed grassland Proposed grassland and scattered trees Proposed woodland Proposed wetland Enhanced mitigation Retained mitigation Flood compensation area
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An extract is provided below which indicates which assets are shown on the Temporary Plans.

<ul style="list-style-type: none"> Draft Order Limits EWR alignment Chainage (metres) Temporary highway (public and private) Tunnel monitoring site Work by others 	<ul style="list-style-type: none"> On site construction traffic route Earthworks storage stockpile Borrow pit Main construction compound Satellite construction compound 	<ul style="list-style-type: none"> Proposed utilities Removed utilities Utility construction zone 	<ul style="list-style-type: none"> Primary EWR construction traffic route along public road Secondary EWR construction traffic route along public road
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east west RAIL



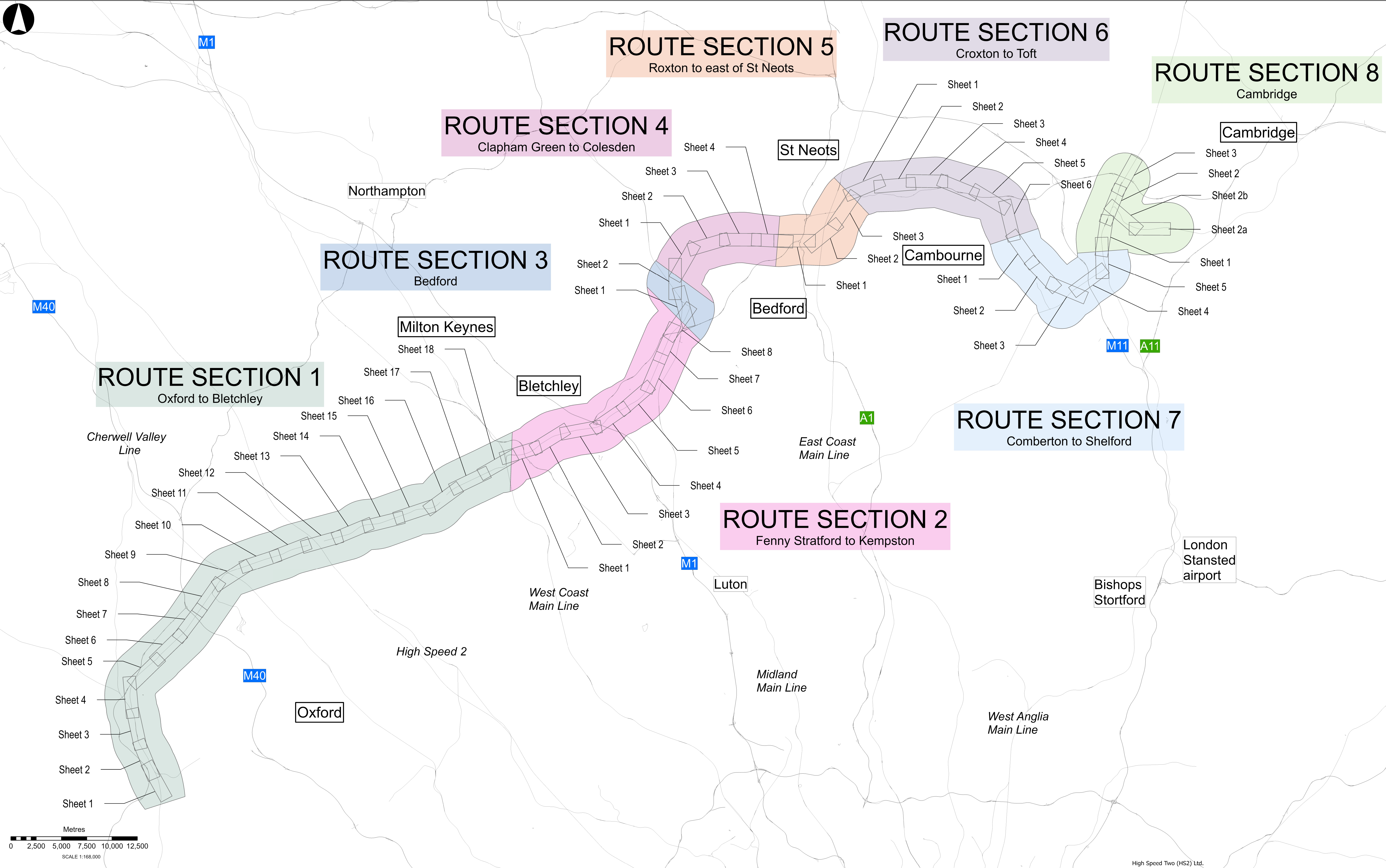
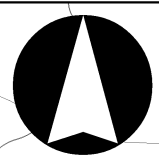
PROPOSAL FOR CONSULTATION

EAST WEST RAIL
Plan and Profile

Oxford to Cambridge
Guide to the drawings

Drawing Number 133735-MWJ-Z0-XXX-DRG-CSE-000096

Drawing Rev P01



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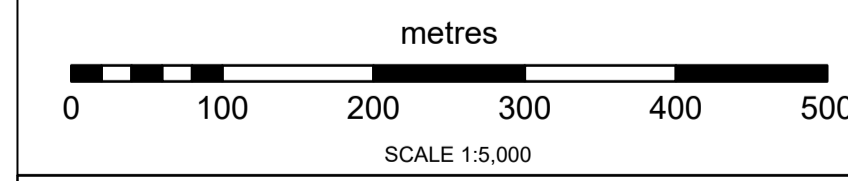
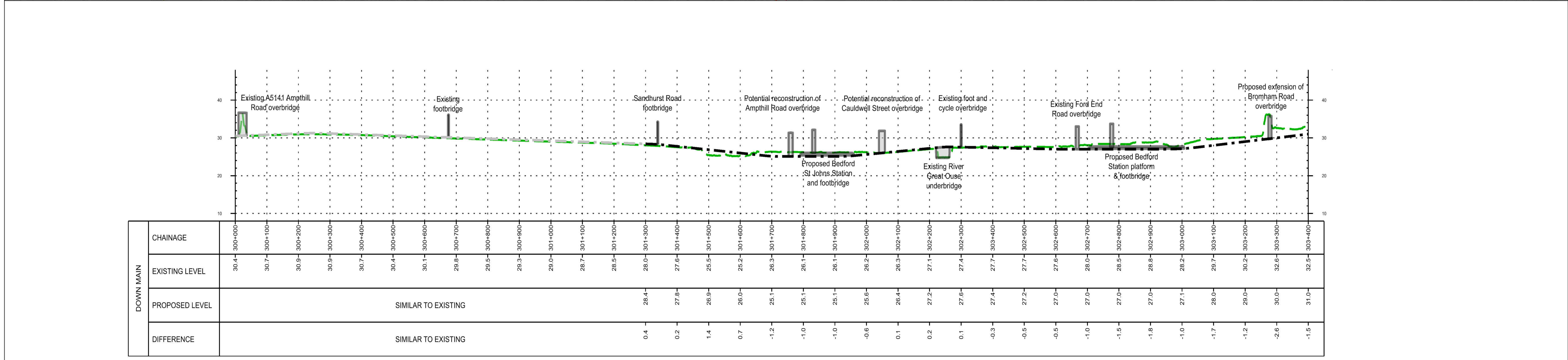
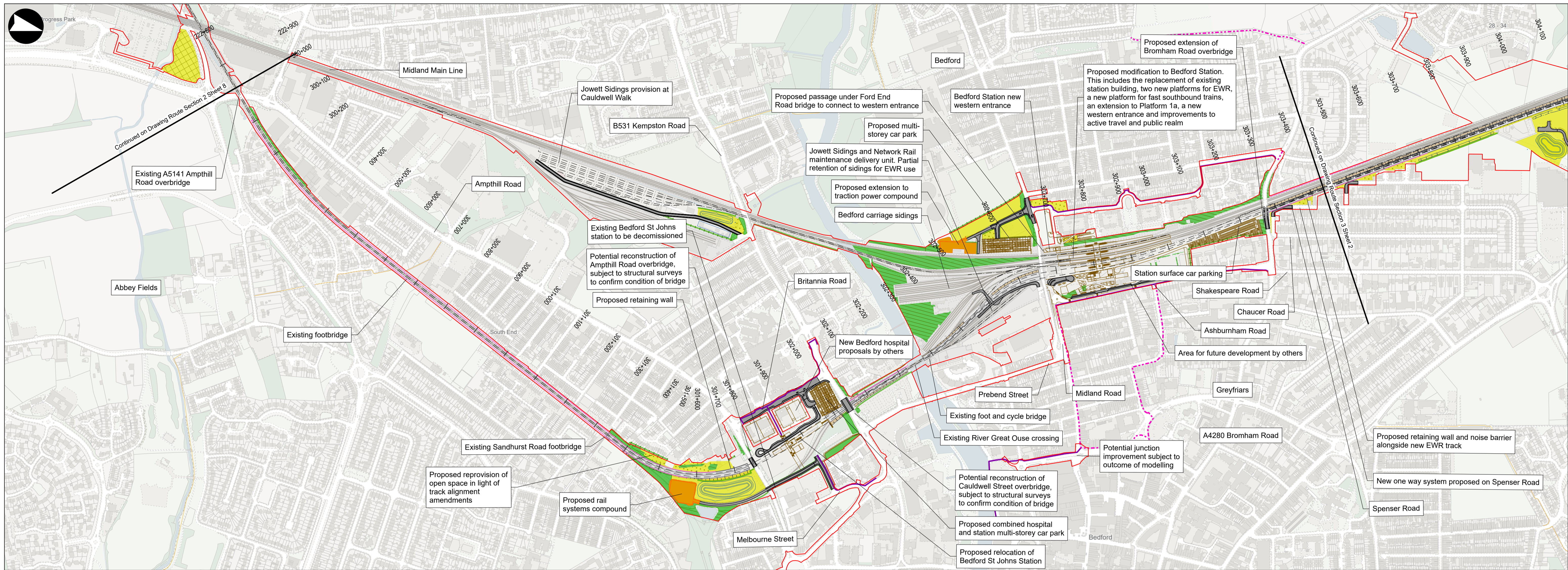
EAST WEST RAIL

PROPOSAL FOR CONSULTATION

Plan and Profile Map Index

Drawing Number 133735-MWJ-Z0-XXX-DRG-CSE-000099

P01



- Profile legend**
- EWR alignment
 - EWR existing alignment (by others)
 - Existing ground level
 - █ Structures
- Legend**
- Draft Order Limits
 - EWR alignment
 - Chainage
 - EWR existing alignment (by others)
 - Bridges and retaining walls proposed
 - Public Right of Way - existing
 - Public Right of Way - proposed
 - Public Right of Way - closed
 - Public Right of Way - proposed by others
 - Public Right of Way - closed by others
 - EWR planned active travel route
 - EWR planned active travel route (suitable for equestrians)
 - Planned route by others
 - River diversion
 - Permanent highway (public and private)
 - Engineering earthworks
 - Maintenance compound
 - Station or other building
 - Work by others
 - Drainage ditch
 - Drainage pond
 - Drainage attenuation tank (below ground)
 - Drainage pumping station
 - Noise barrier
 - Proposed line of trees or hedgerow
 - Enhanced line of trees or hedgerow
 - Retained line of trees or hedgerow
 - Flood compensation area
 - Proposed grassland
 - Proposed grassland and scattered trees
 - Proposed woodland
 - Proposed wetland
 - Retained habitat (See note below)
 - Enhanced habitat (See note below)
- Where hatching appears over the environmental mitigation this indicates either retained mitigation (vertical lines) or enhanced mitigation (crosshatch)

east west RAIL

Project

EAST WEST RAIL

Permanent Plan and Profile Drawings

Drawing Title

Bedford

Route Section 3

Sheet 01

Drawing Number

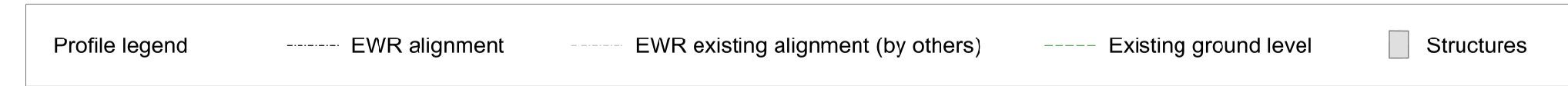
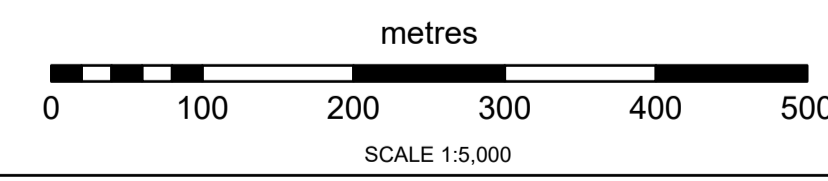
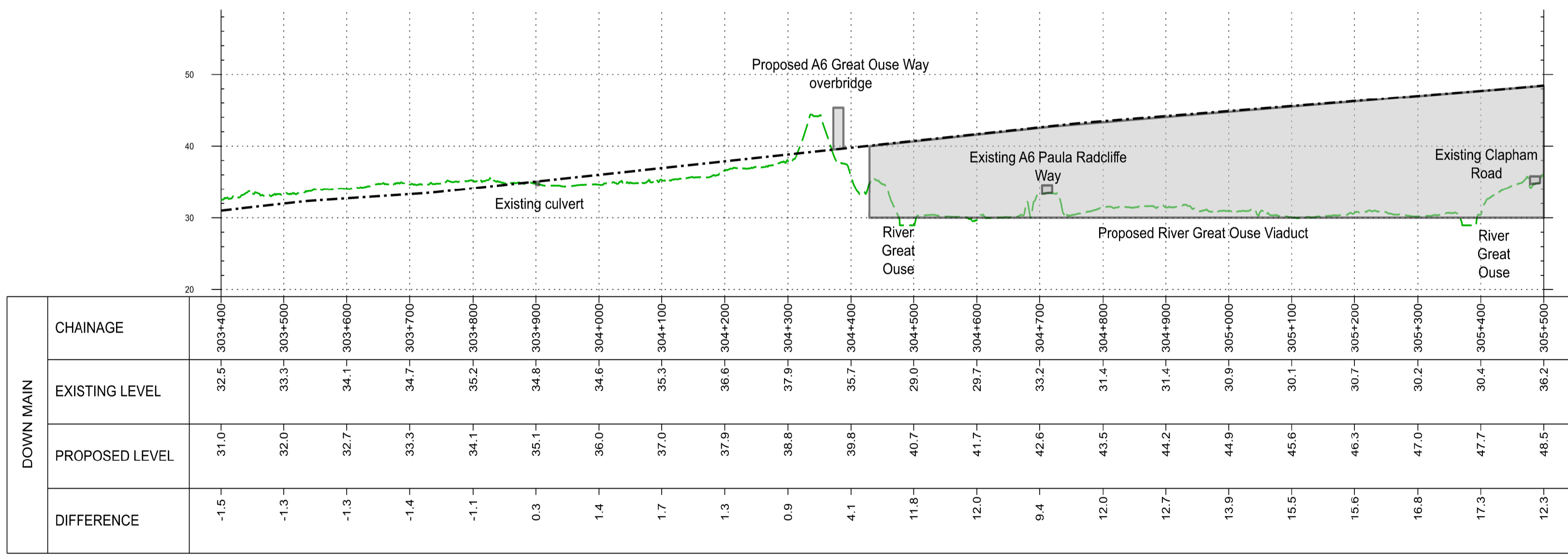
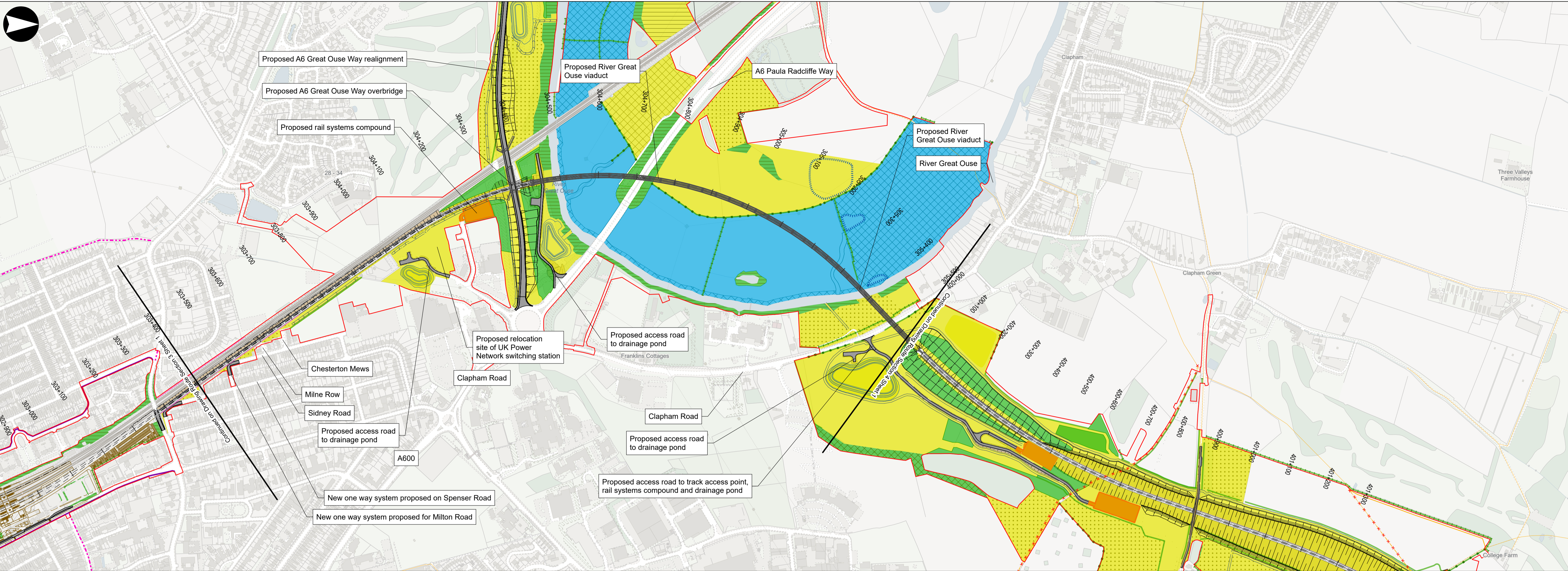
133735-MWJ-Z0-XXX-DRG-CSE-000102

Drawing Rev

P01

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- Draft Order Limits
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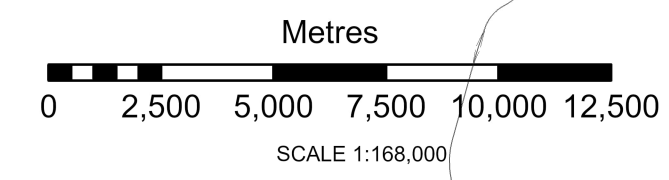
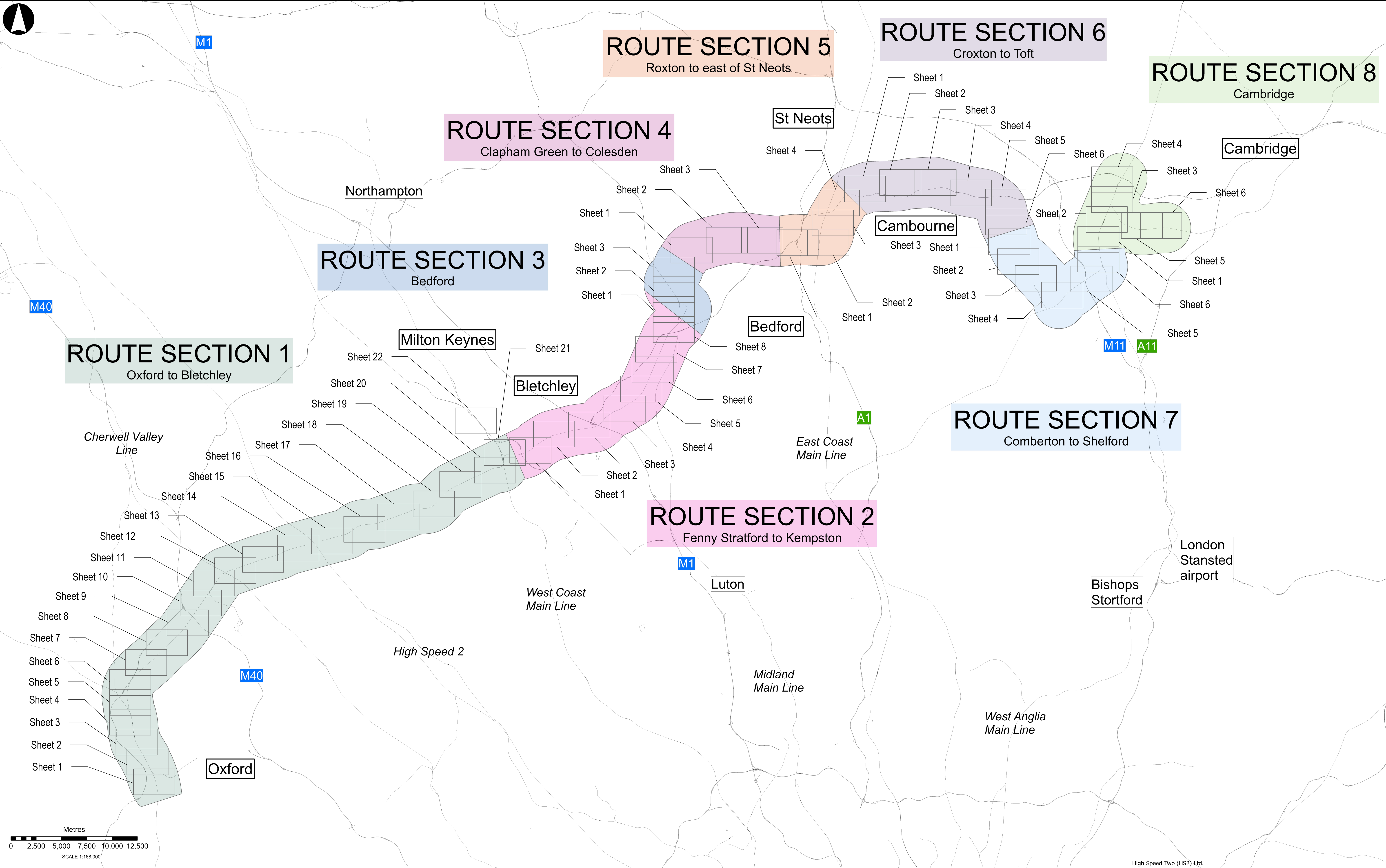
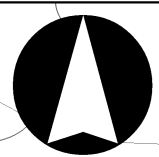


PROPOSAL FOR CONSULTATION

EAST WEST RAIL
Permanent Plan and Profile Drawings

Bedford
Route Section 3
Sheet 02

Project	EAST WEST RAIL Permanent Plan and Profile Drawings	
Drawing Title	Bedford Route Section 3 Sheet 02	
Drawing Number	133735-MWJ-Z0-XXX-DRG-CSE-000102	Drawing Rev
		P01



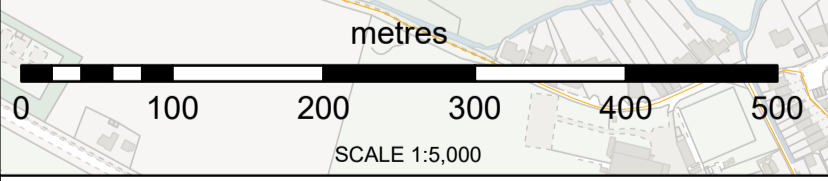
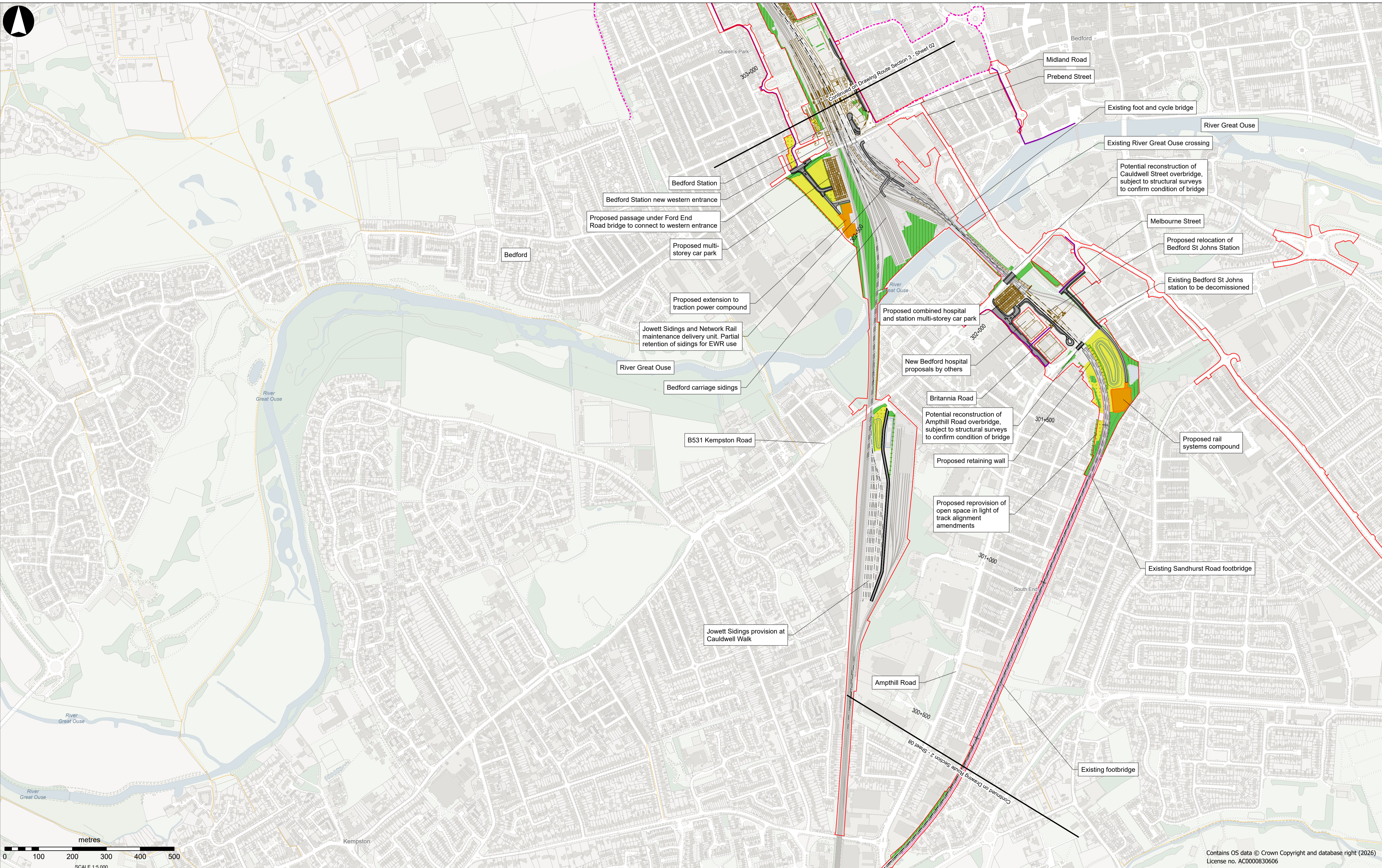
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PROPOSAL FOR CONSULTATION

EAST WEST RAIL

Permanent Drawings Map Index



- Draft Order Limits
- EWR alignment
- Chainage (metres)
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- - - Planned route by others
- River diversion
- Permanent highway (public and private)
- Engineering earthworks
- Maintenance compound
- Station or other building

- Work by others
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- Drainage pond
- Drainage attenuation tank (below ground)
- Drainage pumping station
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- Flood compensation area
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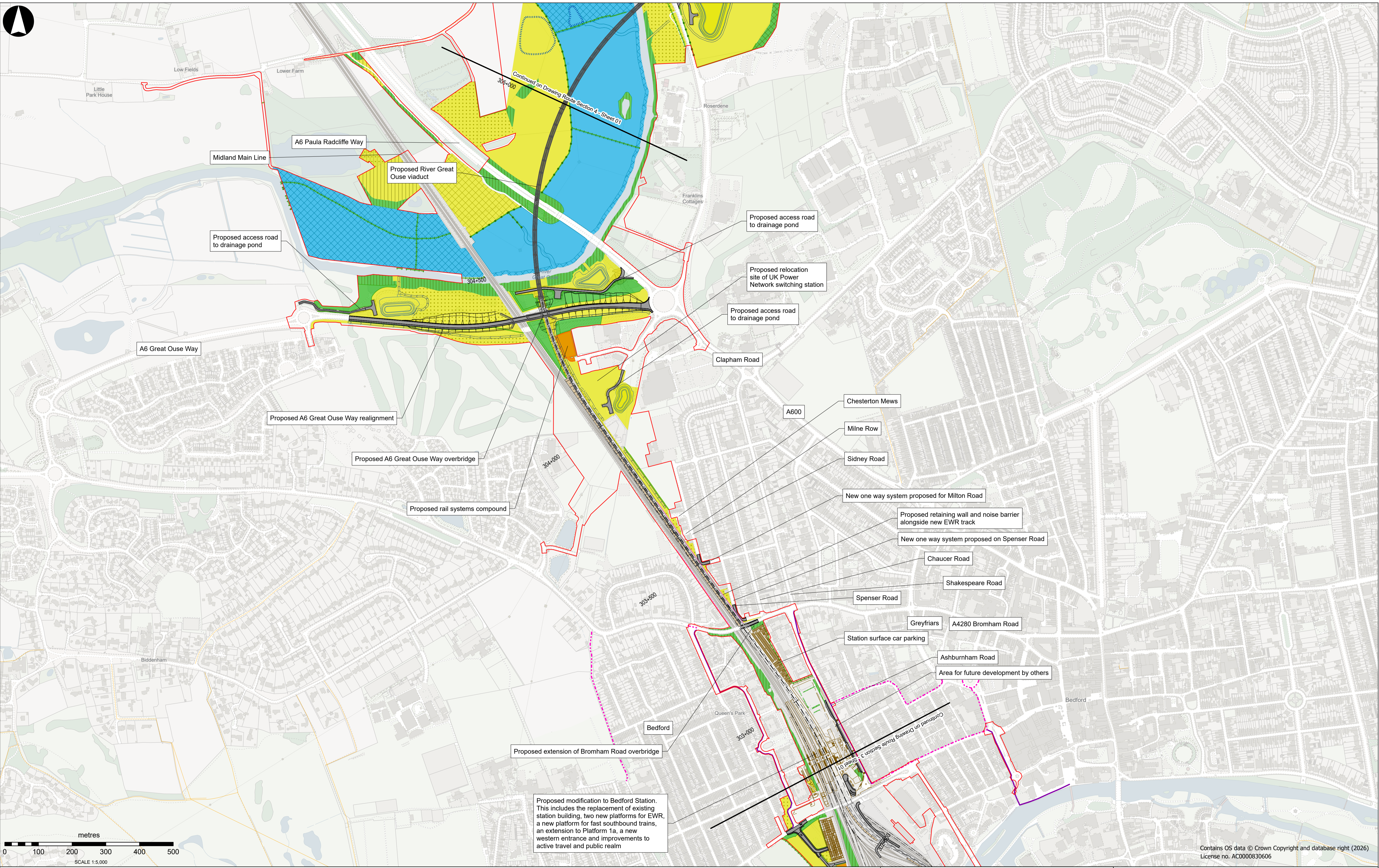
PROPOSAL FOR CONSULTATION


**EAST WEST RAIL
Permanent Drawings**

**Bedford
Route Section 3
Sheet 01**

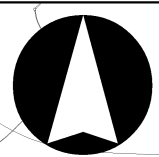
Project Drawing Title Drawing Number	133735-MWJ-Z0-XXX-DRG-CSE-000101 P01
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M1

ROUTE SECTION 5 Roxton to east of St Neots

ROUTE SECTION 6 Croxton to Toft

ROUTE SECTION 8 Cambridge

ROUTE SECTION 4 Clapham Green to Colesden

ROUTE SECTION 3 Bedford

ROUTE SECTION 1 Oxford to Bletchley

Milton Keynes

Bletchley

St Neots

Bedford

Cambourne

Cambridge

M40

M11 A11

ROUTE SECTION 7 Comberton to Shelford

ROUTE SECTION 2 Fenny Stratford to Kempston

M1

Luton

Bishops Stortford

London Stansted airport

Cherwell Valley Line

East Coast Main Line

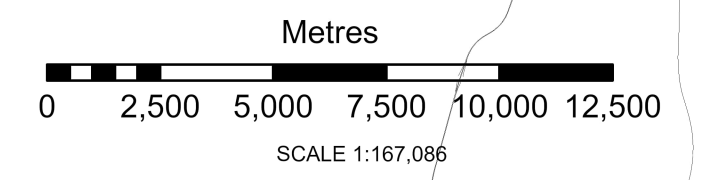
West Coast Main Line

Midland Main Line

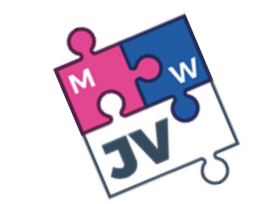
West Anglia Main Line

High Speed 2

Oxford



High Speed Two (HS2) Ltd.



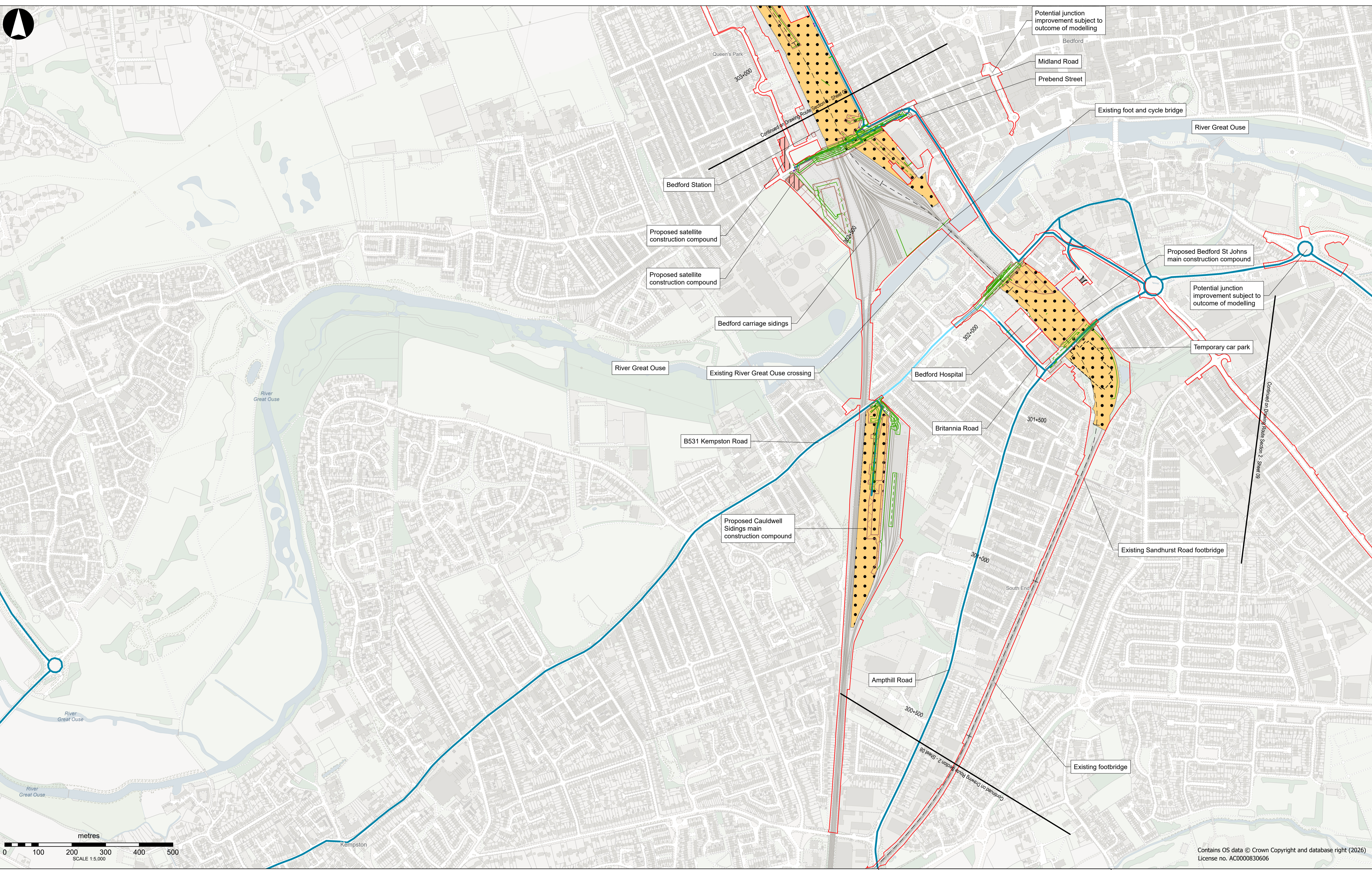
EAST WEST RAIL

PROPOSAL FOR CONSULTATION

Temporary Drawings
Map Index

Drawing Number 133735-MWJ-Z0-XXX-DRG-CSE-000097

P01



- EWR alignment
- Chainage (metres)
- Temporary highway (public and private)
- Tunnel monitoring site
- Work by others
- On site construction traffic route
- Earthworks storage stockpile
- Borrow pit
- Main construction compound
- Satellite construction compound
- Proposed utility
- Removed utility
- Utility construction zone
- Primary EWR construction traffic route along public road
- Secondary EWR construction traffic route along public road



PROPOSAL FOR CONSULTATION

**EAST WEST RAIL
Temporary Drawings**

**Bedford
Route Section 3
Sheet 01**

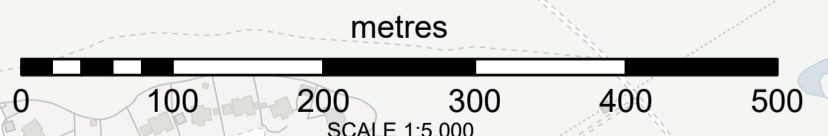
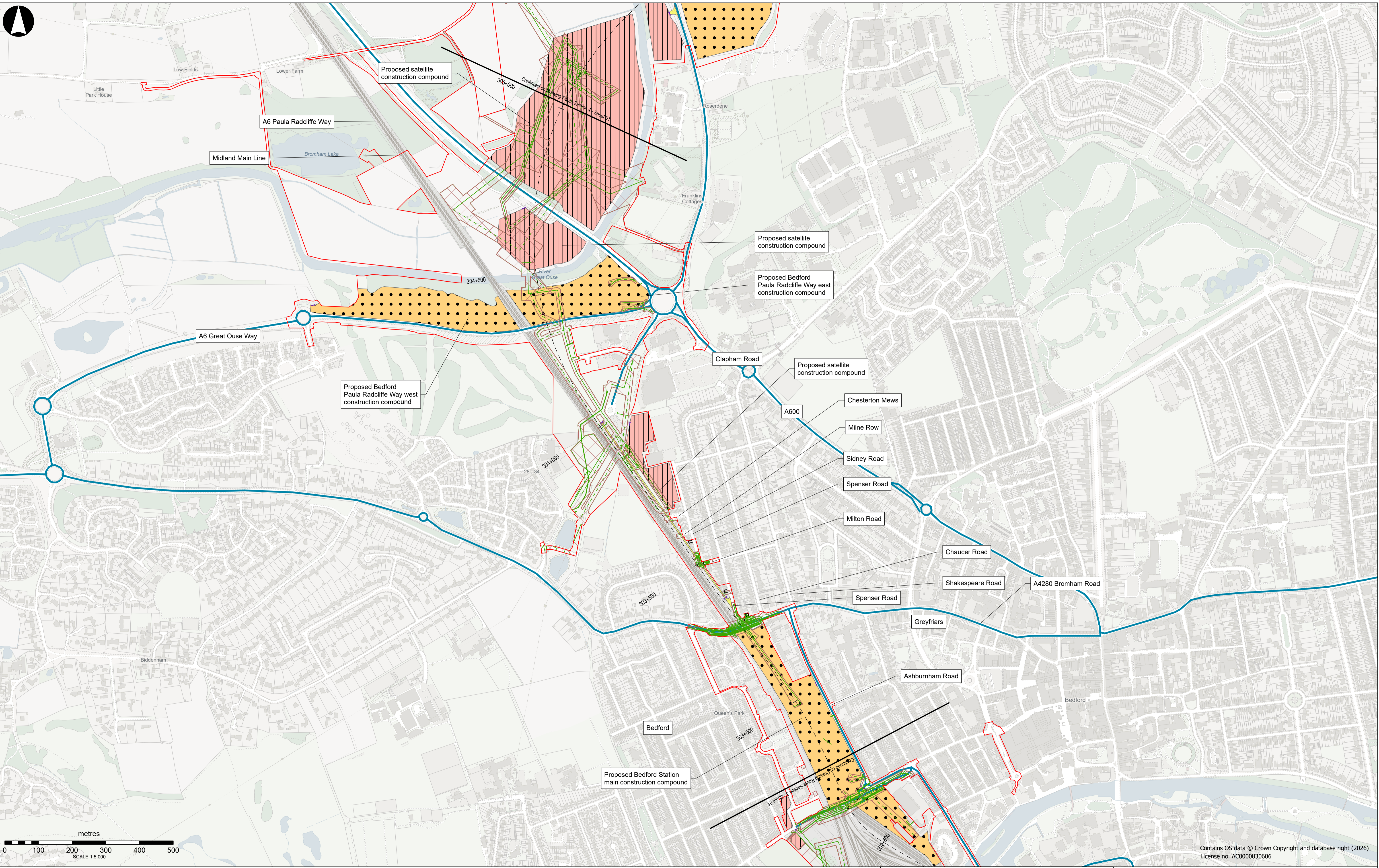
Project

Drawing Title

Drawing Number **133735-MWJ-Z0-XXX-DRG-CSE-000100**

Drawing Rev **P01**

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| <ul style="list-style-type: none"> --- EWR alignment --- Chainage (metres) --- Temporary highway (public and private) --- Tunnel monitoring site --- Work by others | <ul style="list-style-type: none"> On site construction traffic route Earthworks storage stockpile Borrow pit Main construction compound Satellite construction compound | <ul style="list-style-type: none"> Proposed utility Removed utility Utility construction zone | <ul style="list-style-type: none"> Primary EWR construction traffic route along public road Secondary EWR construction traffic route along public road |
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PROPOSAL FOR CONSULTATION

Project
EAST WEST RAIL
Temporary Drawings

Drawing Title
Bedford
Route Section 3
Sheet 02

Drawing Number **133735-MWJ-Z0-XXX-DRG-CSE-000100** Drawing Rev **P01**