

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
- Drainage 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.

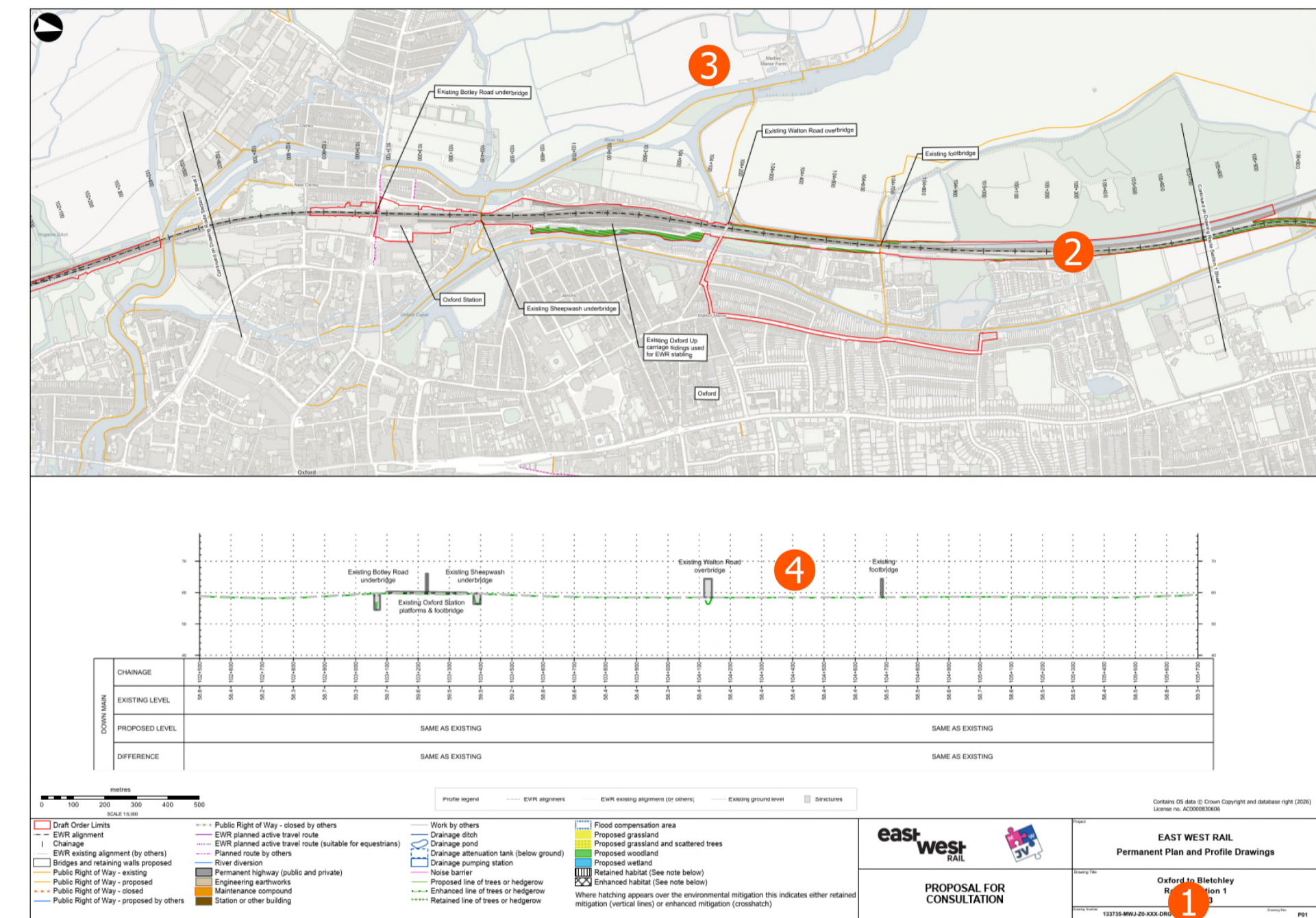
How you can use the Drawings

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 □ Public Right of Way - proposed by others 	<ul style="list-style-type: none"> □ 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 	<ul style="list-style-type: none"> □ 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 	<ul style="list-style-type: none"> □ Flood compensation area □ Proposed grassland □ Proposed grassland and scattered trees □ Proposed woodland □ Proposed wetland □ Retained habitat (See note below) □ Enhanced habitat (See note below) <p>Where hatching appears over the environmental mitigation this indicates either retained mitigation (vertical lines) or enhanced mitigation (crosshatch)</p>
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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 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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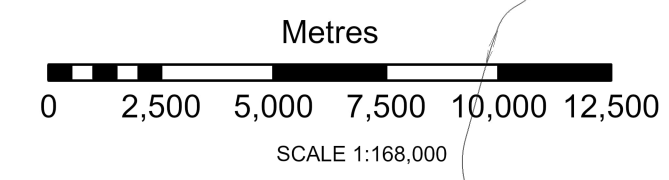
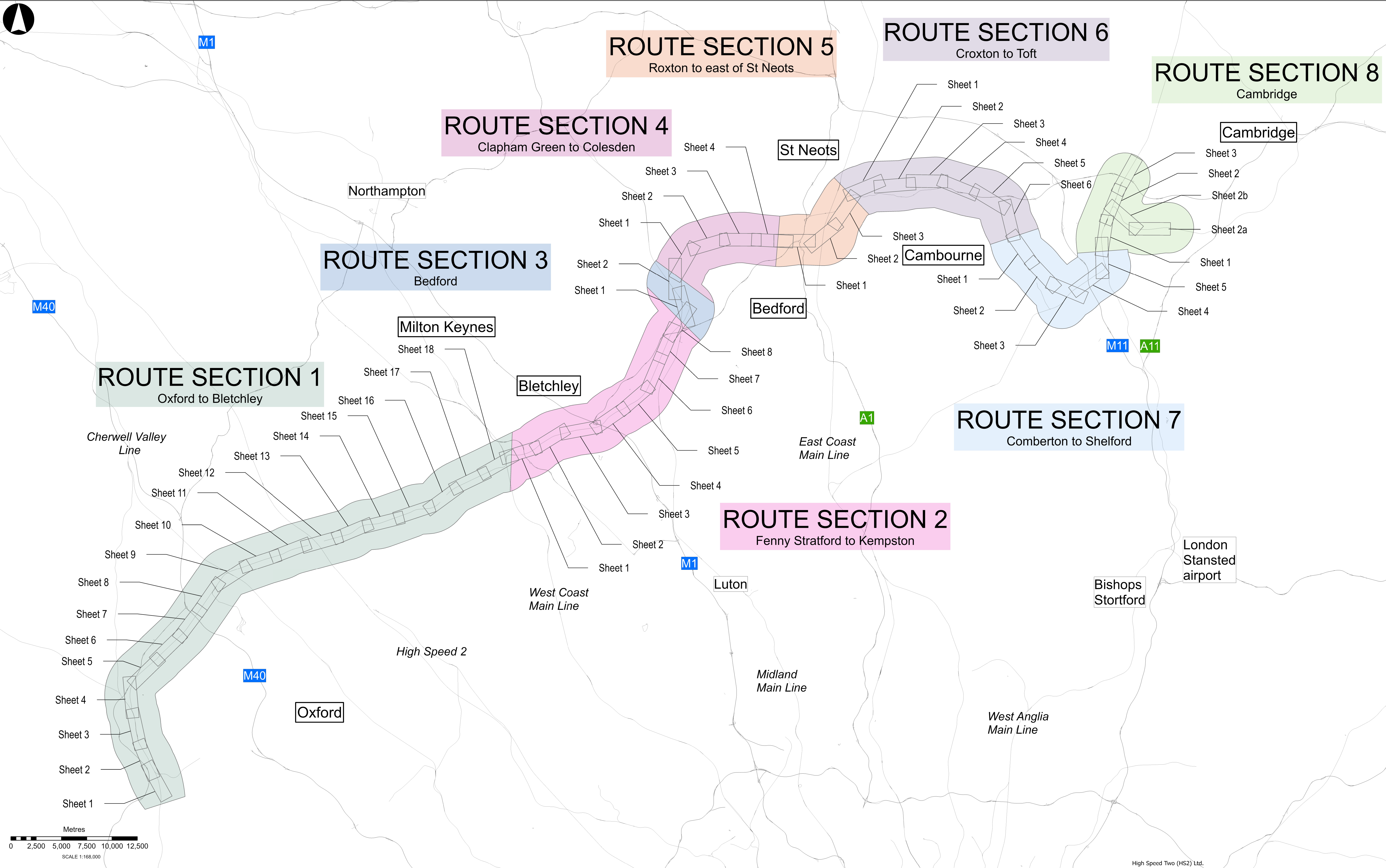
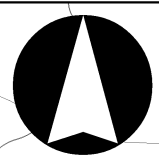
PROPOSAL FOR CONSULTATION

EAST WEST RAIL
Plan and Profile

Oxford to Cambridge
Guide to the drawings

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

Drawing Rev P02



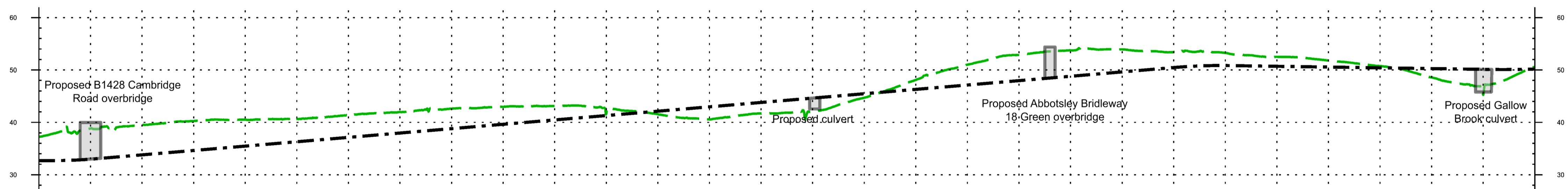
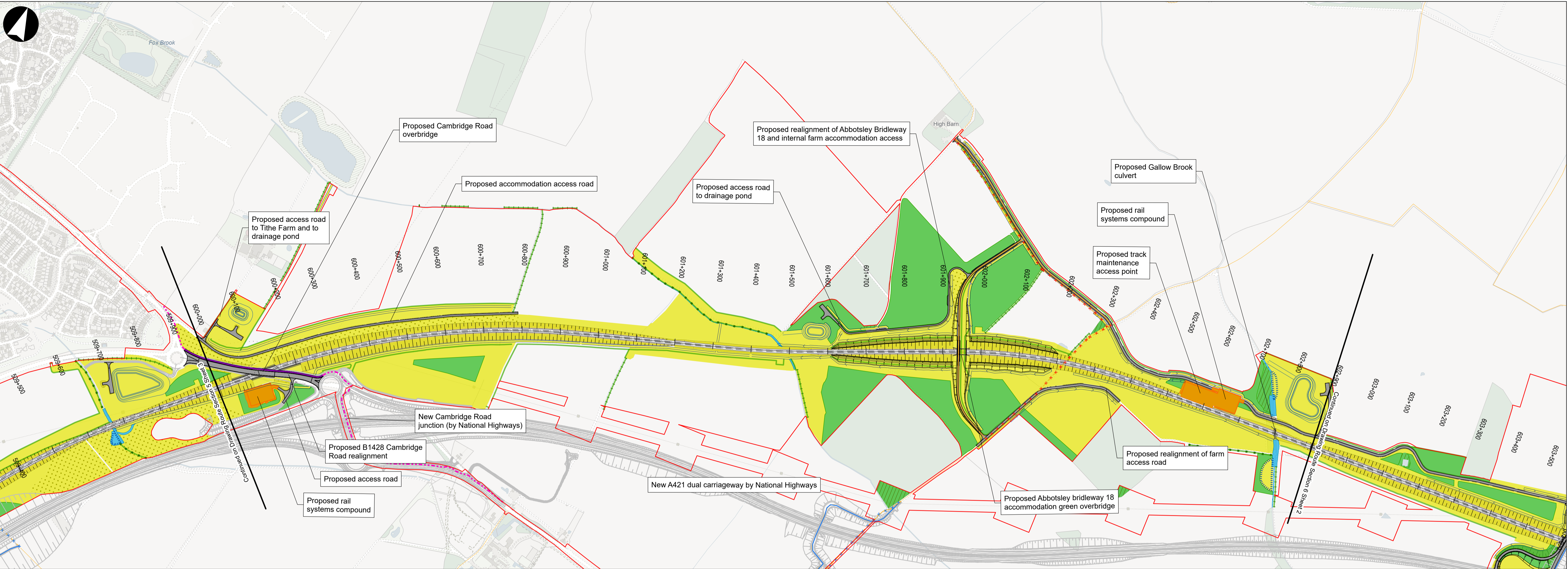
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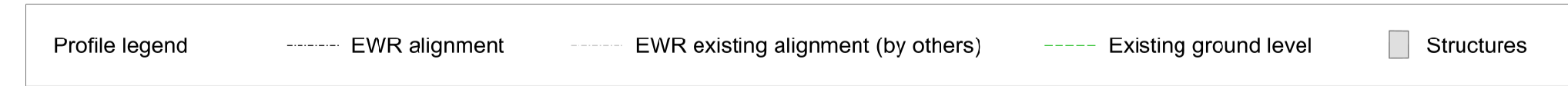
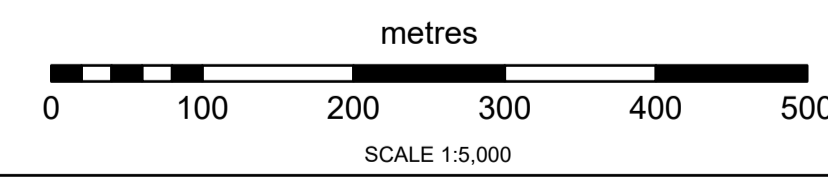
Project
EAST WEST RAIL

PROPOSAL FOR CONSULTATION

Plan and Profile Map Index



DOWN MAIN	CHAINAGE	600+000	600+100	600+200	600+300	600+400	600+500	600+600	600+700	600+800	600+900	601+000	601+100	601+200	601+300	601+400	601+500	601+600	601+700	601+800	601+900	602+000	602+100	602+200	602+300	602+400	602+500	602+600	602+700	602+800	602+900
	EXISTING LEVEL	37.2	38.8	39.5	40.3	40.5	40.6	41.4	42.0	42.6	42.9	43.1	41.6	41.5	40.6	41.7	42.0	44.7	48.1	51.0	52.8	53.7	53.9	53.4	53.3	52.5	51.8	50.7	48.6	45.2	50.6
	PROPOSED LEVEL	32.7	33.0	33.8	34.6	35.5	36.3	37.1	38.0	38.8	39.6	40.5	41.3	42.1	43.0	43.8	44.6	45.5	46.3	47.1	48.0	48.8	49.6	50.5	50.8	50.7	50.6	50.4	50.3	50.1	50.2
	DIFFERENCE	-4.5	-5.9	-5.7	-5.6	-5.0	-4.4	-4.3	-4.0	-3.8	-3.3	-2.6	-0.3	0.6	2.4	2.1	2.6	0.8	-1.8	-3.9	-4.9	-4.9	-4.3	-3.0	-2.4	-1.8	-1.2	-0.3	1.7	4.9	-0.4



- 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
 - x Public Right of Way - closed by others
 - x EWR planned active travel route
 - x EWR planned active travel route (suitable for equestrians)
 - x Planned route by others
 - x 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

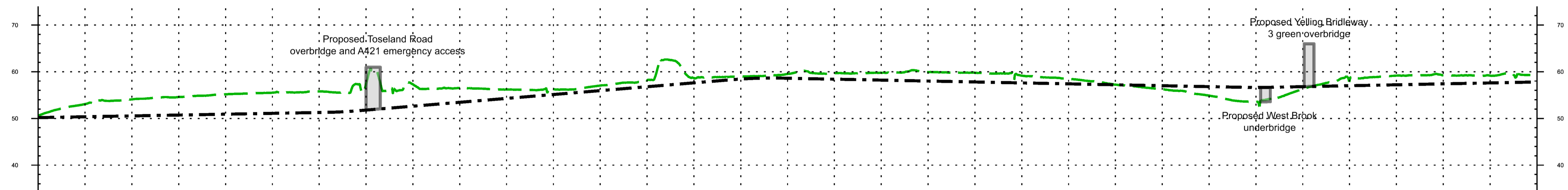
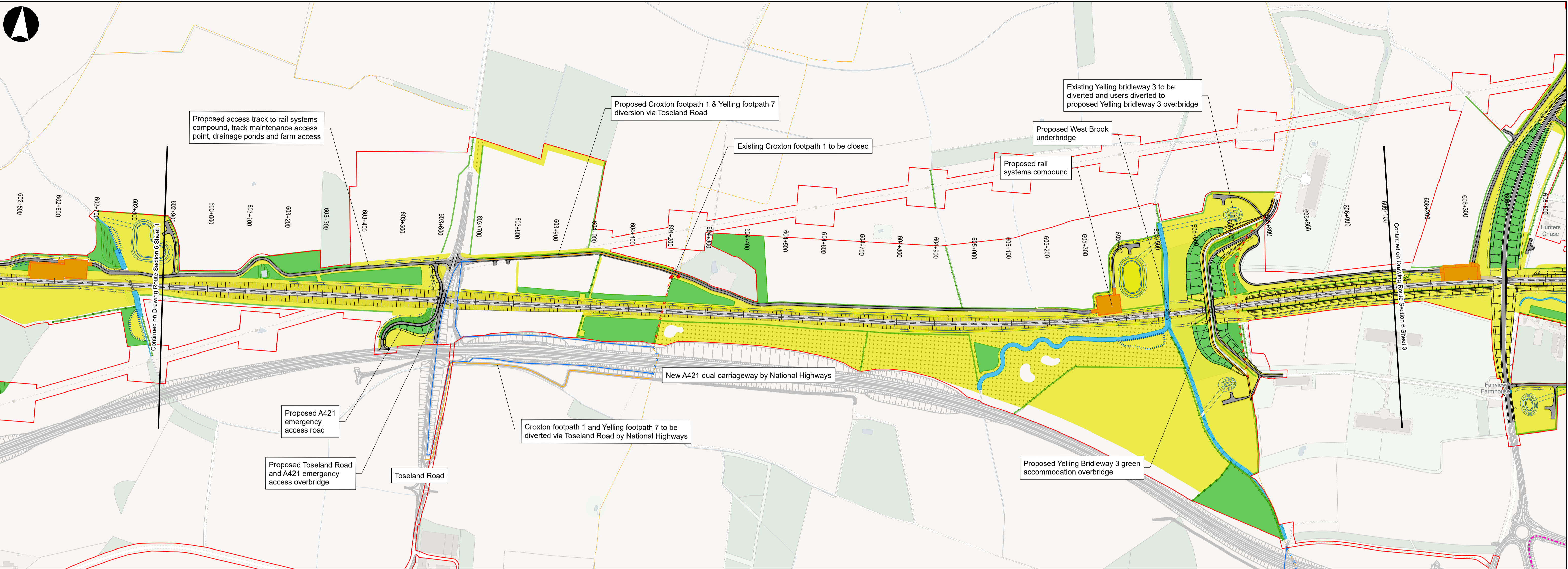
PROPOSAL FOR CONSULTATION

EAST WEST RAIL
Permanent Plan and Profile Drawings

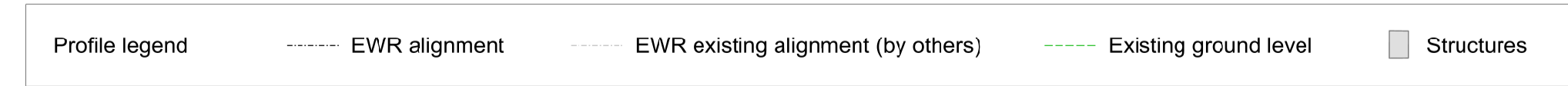
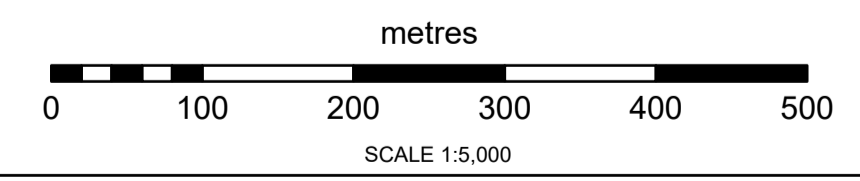
Croxtan to Toft
Route Section 6
Sheet 01

Drawing Number **133735-MWJ-Z0-XXX-DRG-CSE-000102**

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DOWN MAIN	CHAINAGE	EXISTING LEVEL	PROPOSED LEVEL	DIFFERENCE
		602+900	50.6	50.2
	603+000	53.1	50.4	-2.7
	603+100	54.1	50.5	-3.5
	603+200	54.6	50.7	-3.8
	603+300	55.2	50.9	-4.3
	603+400	55.5	51.1	-4.4
	603+500	55.8	51.3	-4.5
	603+600	57.3	51.8	-5.5
	603+700	57.3	52.6	-4.7
	603+800	56.5	53.4	-3.0
	603+900	56.2	54.3	-1.9
	604+000	56.3	55.1	-1.2
	604+100	57.0	55.9	-1.1
	604+200	58.2	56.8	-1.4
	604+300	58.6	57.6	-1.0
	604+400	59.0	58.4	-0.6
	604+500	59.5	58.6	-0.9
	604+600	59.7	58.4	-1.3
	604+700	59.8	58.2	-1.6
	604+800	59.9	58.0	-1.9
	604+900	59.8	57.8	-2.0
	605+000	59.2	57.6	-1.6
	605+100	58.5	57.4	-1.1
	605+200	57.2	57.2	-0.0
	605+300	56.3	57.0	0.7
	605+400	54.9	56.8	1.9
	605+500	53.5	56.6	3.1
	605+600	56.3	56.8	0.5
	605+700	56.1	57.0	-1.1
	605+800	59.2	57.2	-2.0
	605+900	59.2	57.4	-1.8
	606+000	59.2	57.6	-1.6
	606+100	59.3	57.8	-1.5



- Draft Order Limits
 - EWR alignment
 - Chainage
 - EWR existing alignment (by others)
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 - Public Right of Way - closed
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 - Public Right of Way - closed by others
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 - 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
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 - 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

PROPOSAL FOR CONSULTATION

EAST WEST RAIL

Permanent Plan and Profile Drawings

Croxton to Toft

Route Section 6

Sheet 02

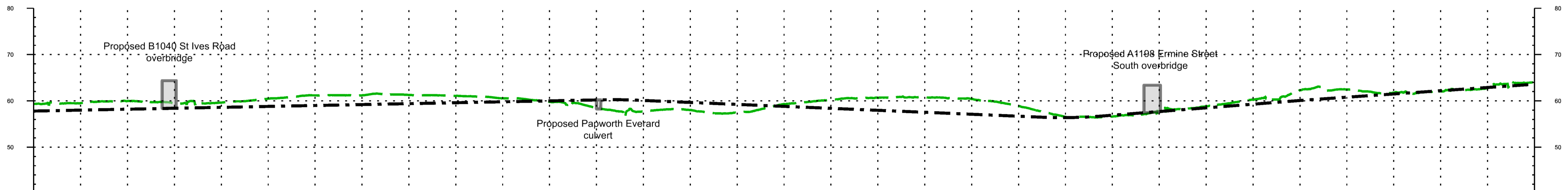
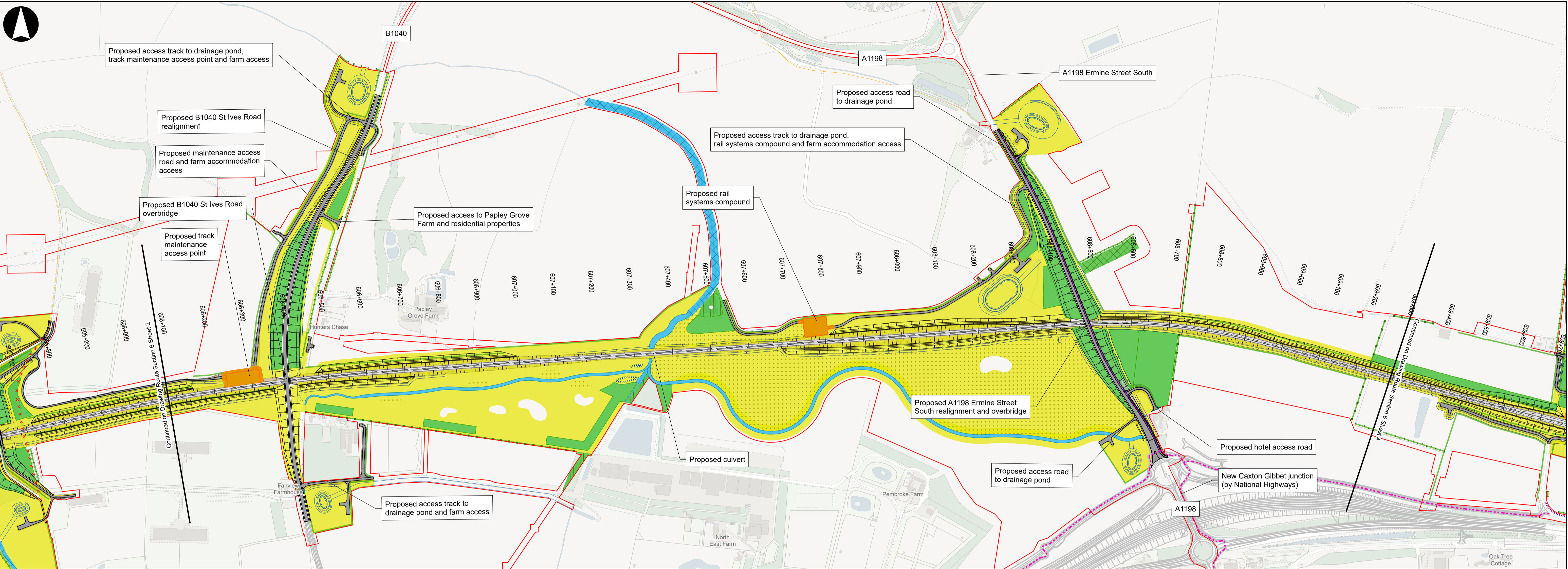
Project

Drawing Title

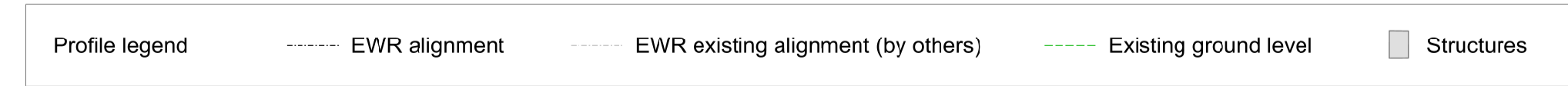
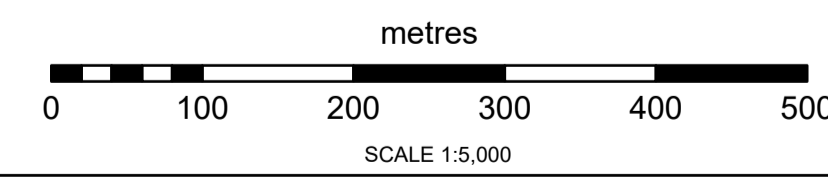
Drawing Number **133735-MWJ-Z0-XXX-DRG-CSE-000102**

Drawing Rev **P02**

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DOWN MAIN	CHAINAGE	EXISTING LEVEL	PROPOSED LEVEL	DIFFERENCE
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	606+200	59.5	58.0	-1.5
	606+300	60.0	58.2	-1.8
	606+400	59.5	58.4	-1.1
	606+500	59.6	58.6	-1.0
	606+600	60.5	58.8	-1.7
	606+700	61.2	59.0	-2.2
	606+800	61.2	59.2	-2.0
	606+900	61.3	59.4	-1.9
	607+000	61.1	59.6	-1.5
	607+100	60.6	59.8	-0.8
	607+200	59.8	60.0	0.2
	607+300	58.5	60.2	1.7
	607+400	57.7	60.1	2.4
	607+500	58.0	59.7	1.6
	607+600	57.4	59.2	1.8
	607+700	59.3	58.8	-0.5
	607+800	60.2	58.4	-1.8
	607+900	60.7	58.0	-2.7
	608+000	60.8	57.5	-3.2
	608+100	60.4	57.1	-3.3
	608+200	58.8	56.7	-2.2
	608+300	56.5	56.4	-0.2
	608+400	56.6	56.9	0.3
	608+500	58.5	57.7	-0.8
	608+600	58.8	58.5	-0.3
	608+700	60.2	59.3	-0.9
	608+800	62.3	60.1	-2.2
	608+900	62.5	60.8	-1.7
	609+000	61.7	61.5	-0.2
	609+100	62.1	62.2	0.1
	609+200	62.7	62.9	0.2
	609+300	64.0	63.6	-0.4



- 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)

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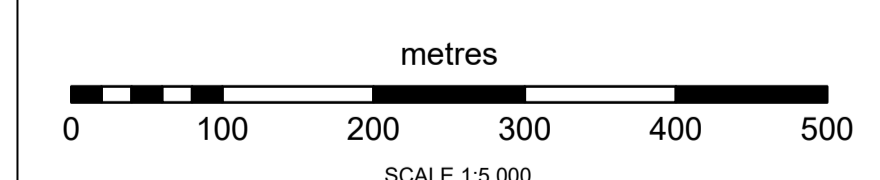
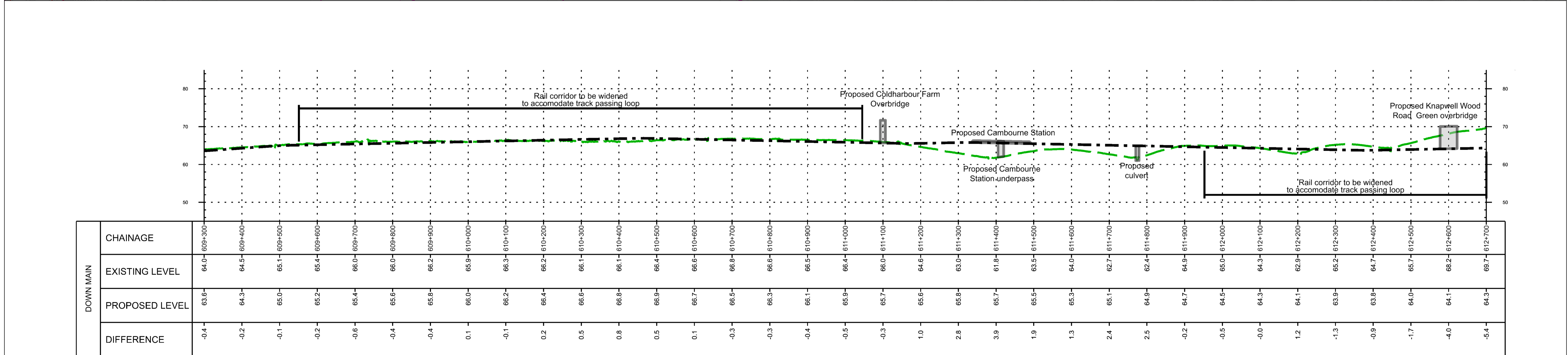
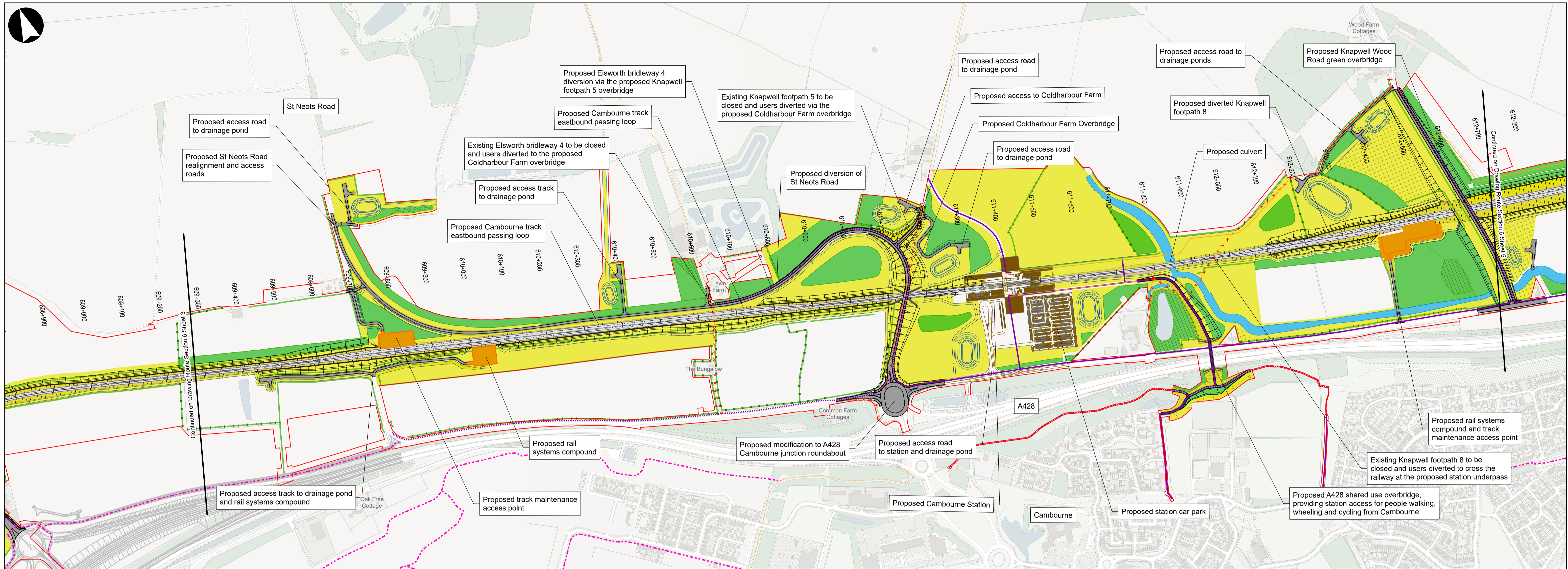


PROPOSAL FOR CONSULTATION

EAST WEST RAIL
Permanent Plan and Profile Drawings

Croxton to Toft
Route Section 6
Sheet 03

Project	EAST WEST RAIL	
Drawing Title	Croxton to Toft Route Section 6 Sheet 03	
Drawing Number	133735-MWJ-Z0-XXX-DRG-CSE-000102	Drawing Rev
		P02



- 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
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 - ▭ Drainage pumping station
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 - ▭ Proposed line of trees or hedgerow
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 - ▭ Flood compensation area
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 - ▭ 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

PROPOSAL FOR CONSULTATION

Drawing Title

Croxton to Toft

Route Section 6

Sheet 04

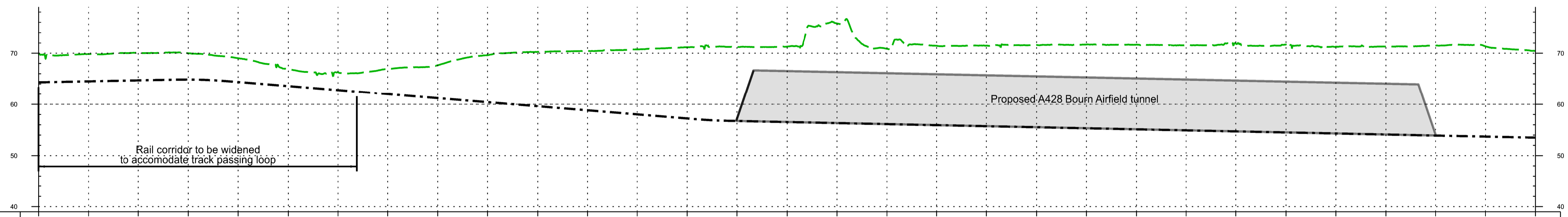
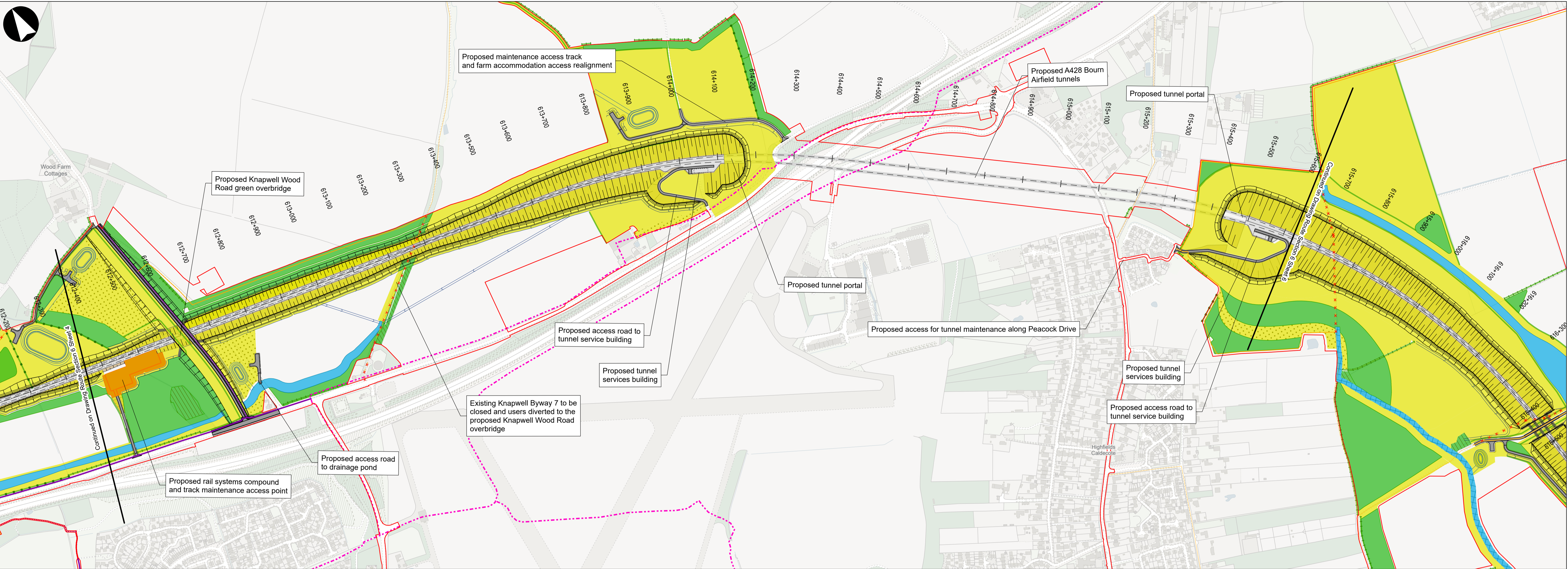
Drawing Number

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

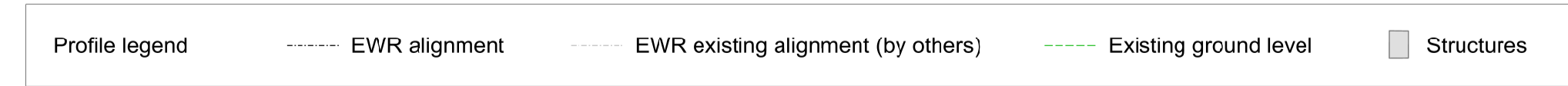
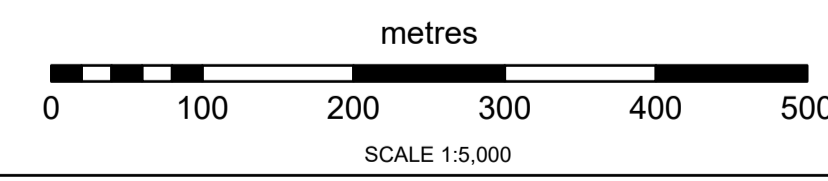
Drawing Rev

P02

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DOWN MAIN	CHAINAGE	EXISTING LEVEL	PROPOSED LEVEL	DIFFERENCE
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	612+800	69.8	64.5	-5.3
	612+900	70.1	64.7	-5.4
	613+000	70.0	64.9	-5.1
	613+100	69.0	64.4	-4.6
	613+200	66.9	63.6	-3.3
	613+300	66.3	62.8	-3.5
	613+400	66.9	62.0	-4.9
	613+500	67.7	61.2	-6.5
	613+600	68.6	60.4	-8.2
	613+700	70.3	59.6	-10.7
	613+800	70.4	58.8	-11.6
	613+900	70.8	58.0	-12.7
	614+000	71.2	57.2	-13.9
	614+100	71.2	56.7	-14.5
	614+200	71.3	56.5	-14.8
	614+300	75.8	56.3	-19.5
	614+400	70.9	56.1	-14.7
	614+500	71.5	55.9	-15.5
	614+600	71.5	55.7	-15.8
	614+700	71.6	55.5	-16.1
	614+800	71.7	55.3	-16.4
	614+900	71.7	55.1	-16.6
	615+000	71.6	54.9	-16.6
	615+100	71.9	54.7	-17.2
	615+200	71.7	54.5	-17.2
	615+300	71.3	54.3	-17.0
	615+400	71.3	54.1	-17.2
	615+500	71.5	53.9	-17.6
	615+600	71.3	53.7	-17.6
	615+700	70.4	53.5	-16.9



- 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
 - x Public Right of Way - closed by others
 - x EWR planned active travel route
 - x EWR planned active travel route (suitable for equestrians)
 - x Planned route by others
 - x 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)

PROPOSAL FOR CONSULTATION

EAST WEST RAIL

Permanent Plan and Profile Drawings

Croxtan to Toft

Route Section 6

Sheet 05

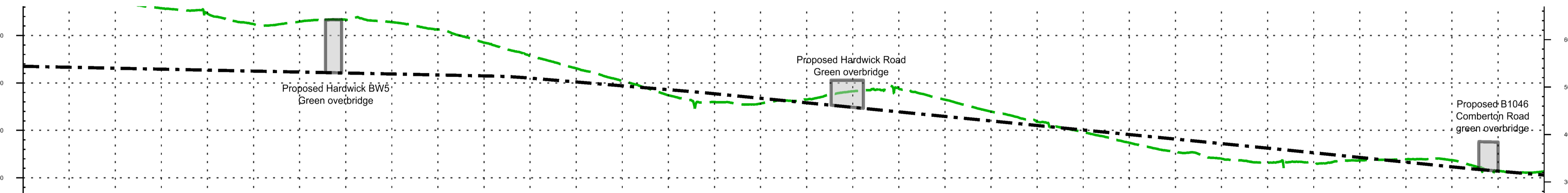
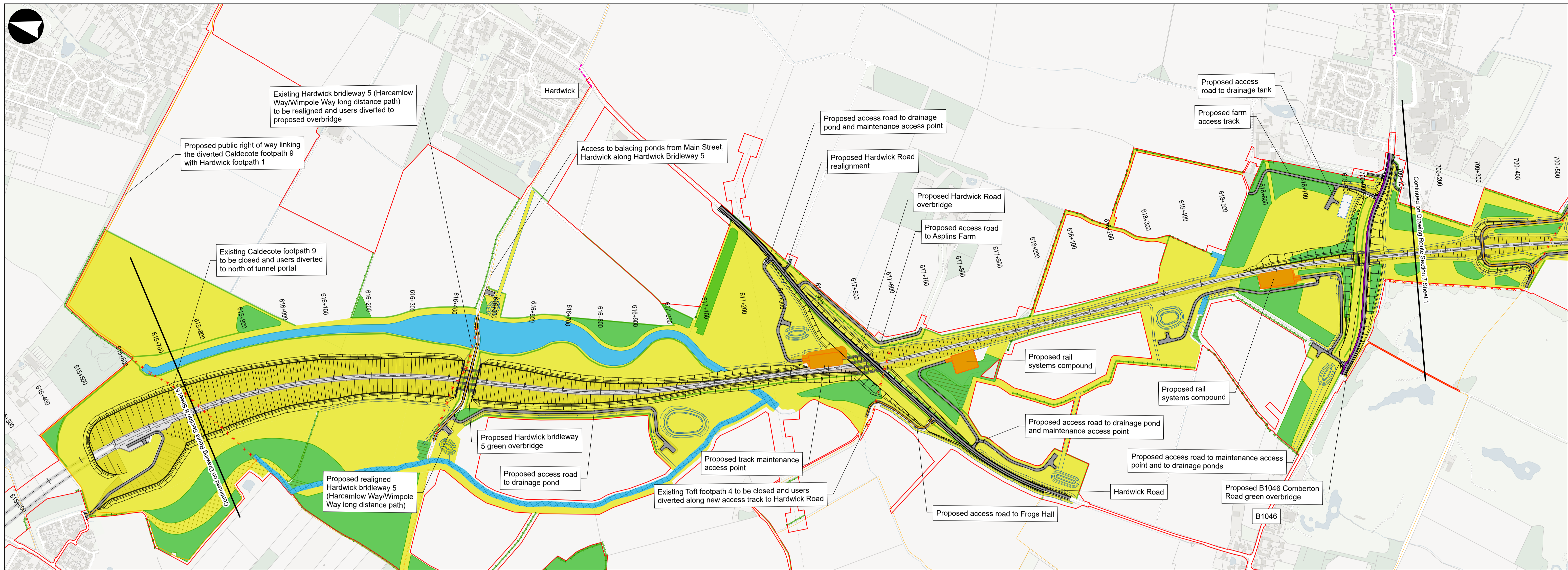
Drawing Number

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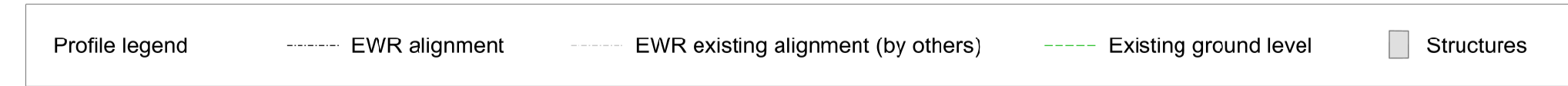
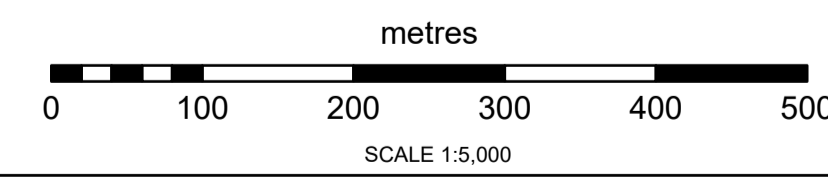
Drawing Rev

P02

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DOWN MAIN	CHAINAGE	EXISTING LEVEL	PROPOSED LEVEL	DIFFERENCE
		615+700	70.4	53.5
	615+800	69.4	53.3	-16.1
	615+900	67.3	53.1	-14.2
	616+000	65.7	52.9	-12.8
	616+100	64.6	52.7	-11.9
	616+200	62.4	52.5	-9.9
	616+300	62.9	52.3	-10.6
	616+400	63.3	52.1	-11.2
	616+500	62.8	51.9	-10.9
	616+600	61.3	51.7	-9.6
	616+700	58.5	51.5	-7.0
	616+800	55.7	51.0	-4.7
	616+900	53.1	50.2	-2.9
	617+000	50.4	49.4	-1.0
	617+100	47.4	48.6	1.2
	617+200	46.0	47.7	1.7
	617+300	45.7	46.8	1.1
	617+400	46.5	45.8	-0.7
	617+500	48.2	44.9	-3.4
	617+600	48.8	43.9	-4.9
	617+700	46.5	42.9	-3.5
	617+800	44.0	42.0	-2.0
	617+900	41.7	41.0	-0.7
	618+000	39.6	40.1	0.5
	618+100	37.4	39.1	1.8
	618+200	35.5	38.2	2.7
	618+300	34.0	37.2	3.2
	618+400	33.2	36.3	3.0
	618+500	33.3	35.3	2.0
	618+600	33.7	34.3	0.6
	618+700	33.9	33.3	-0.6
	618+800	33.7	32.3	-1.4
	700+000	32.5	0.0	-32.5
	700+100	31.1	31.0	-0.1



- 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)
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PROPOSAL FOR CONSULTATION

EAST WEST RAIL
Permanent Plan and Profile Drawings

Croxton to Toft
Route Section 6
Sheet 06

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Drawing Rev **P02**