



# EWR-MWJV Technical Partner

## Book of Figures

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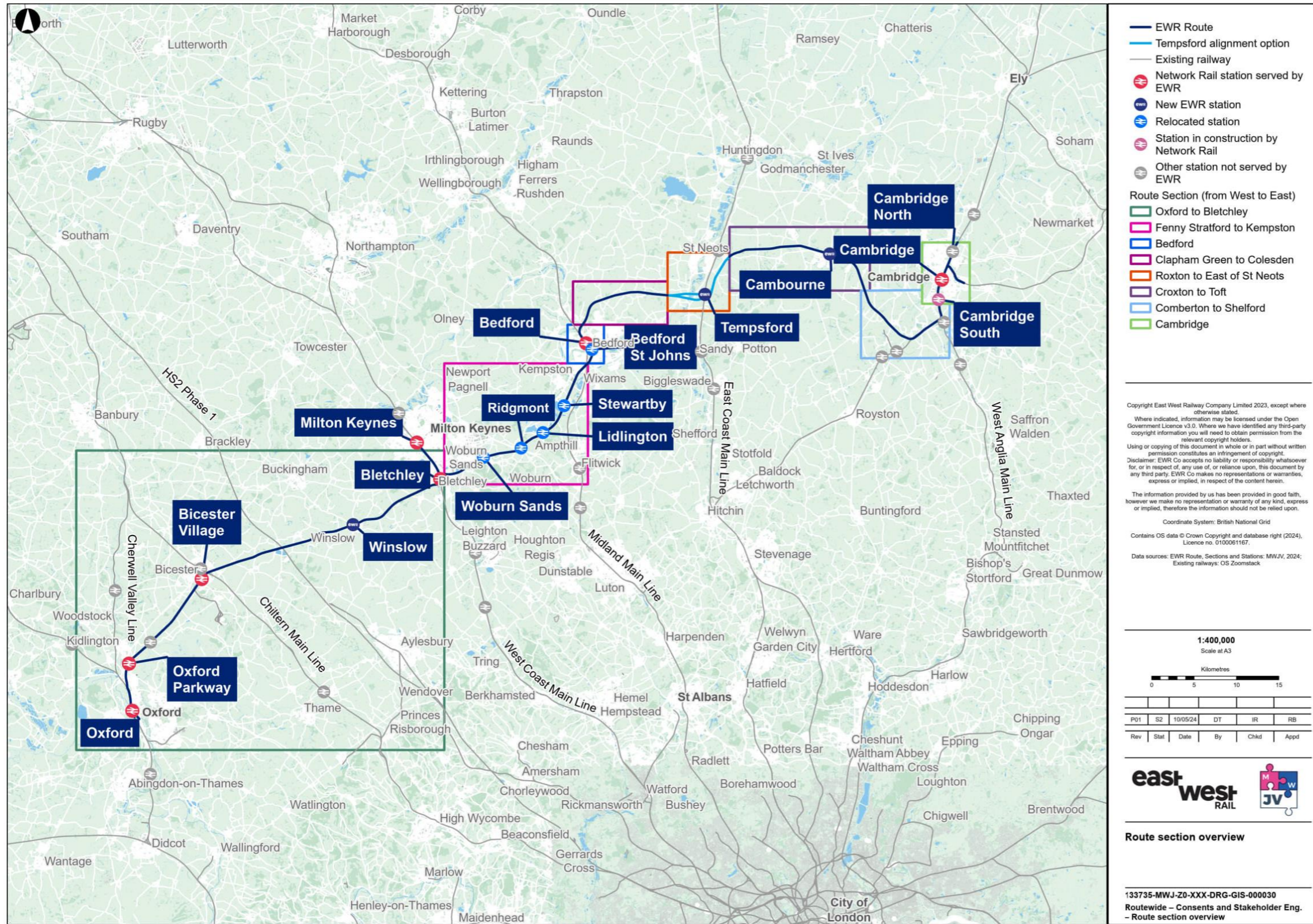
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## 1. Route overview



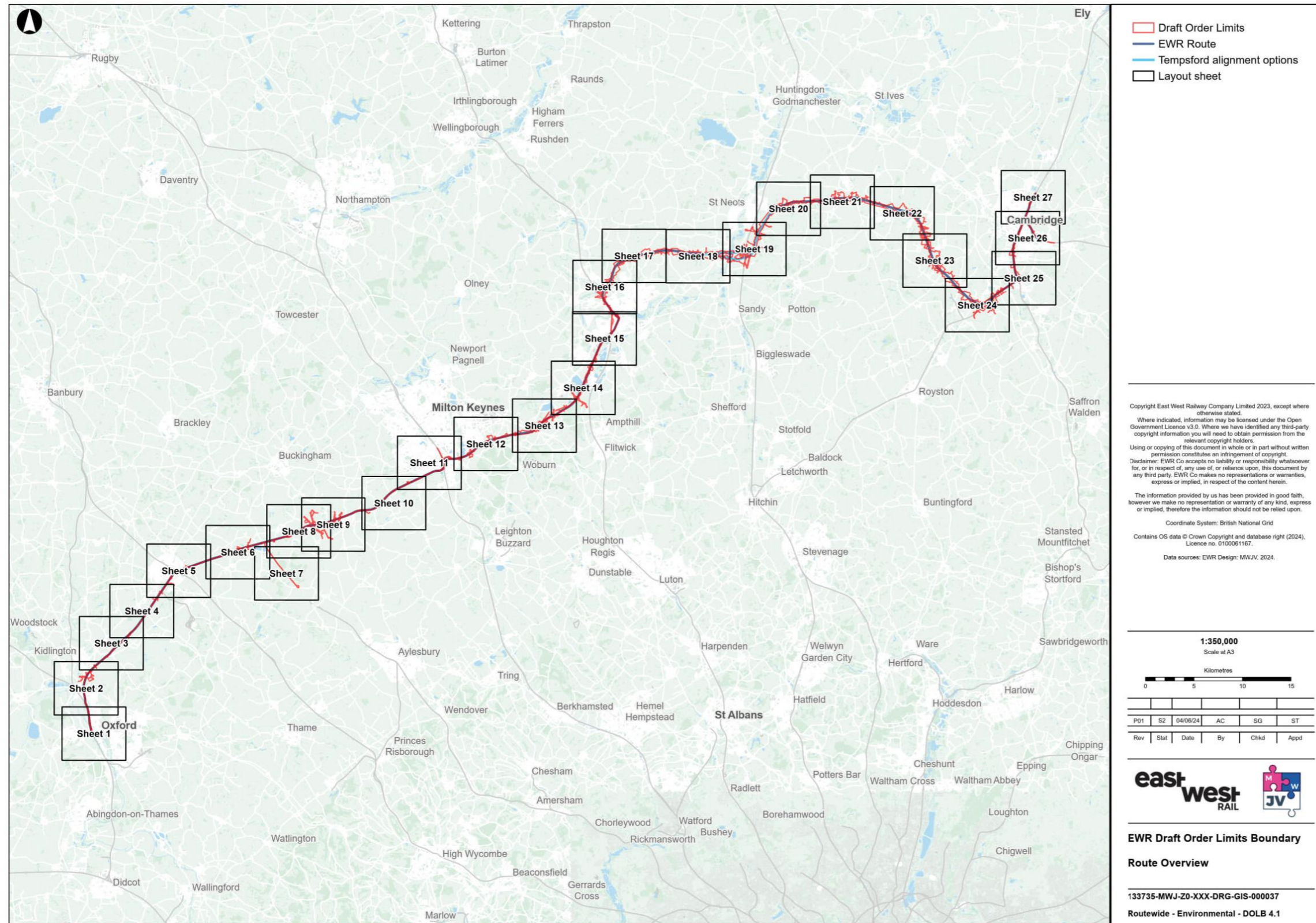
Figure 1 – Route Section Overview.



EWR\_ExhibitionBoardsAndBrochure | EWR - Route Sections Overview (A3) | 13 May 2024



Figure 2 – EWR Draft Order Limits Boundary Route Overview.



EWR\_General | EWR - DOLB overview | 04 Jun 2024



Figure 3 – EWR Draft Order Limits Boundary Sheet 1 of 27.



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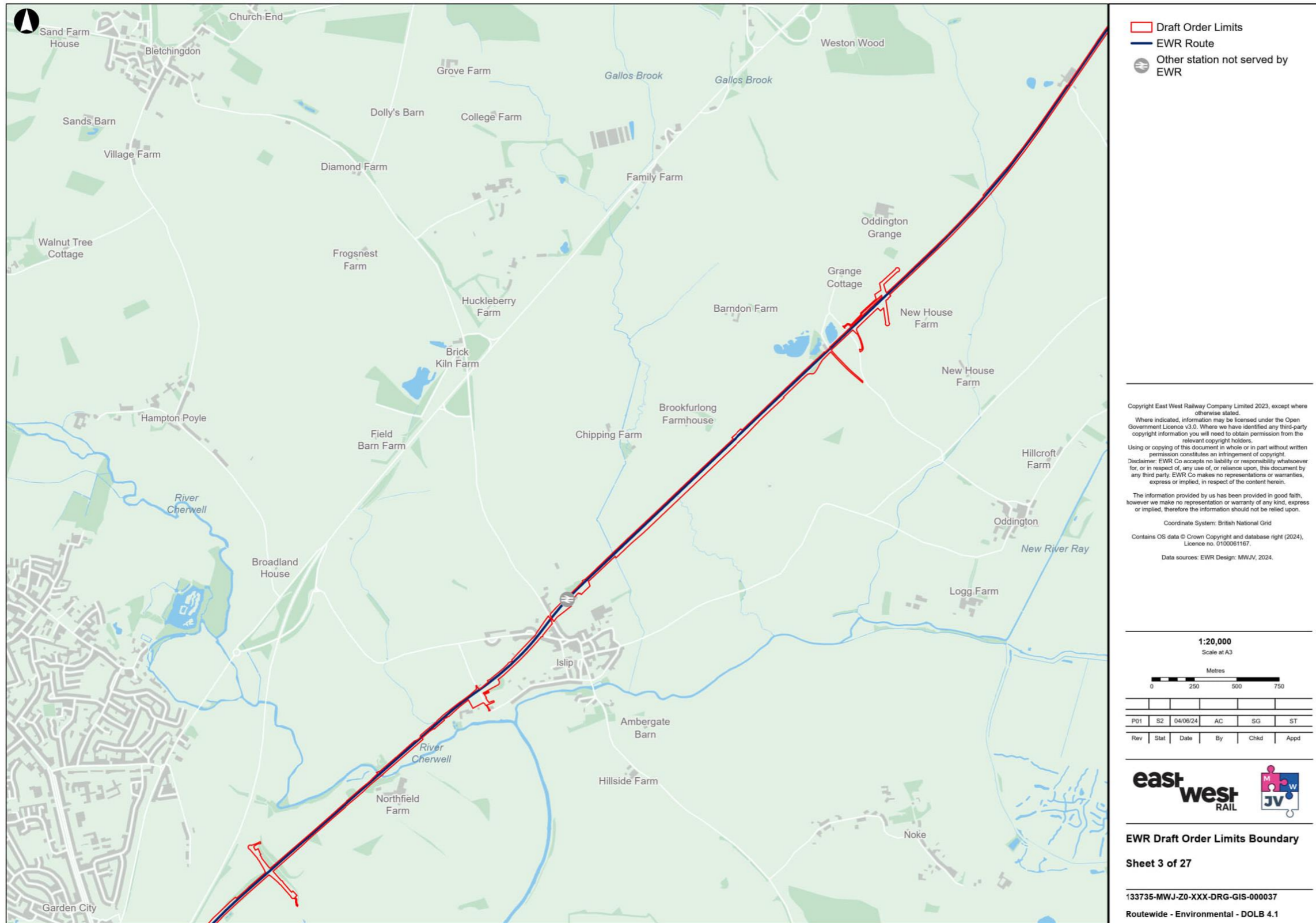
Figure 4 – EWR Draft Order Limits Boundary Sheet 2 of 27.



EWR\_General | EWR - DOLB | 04 Jun 2024

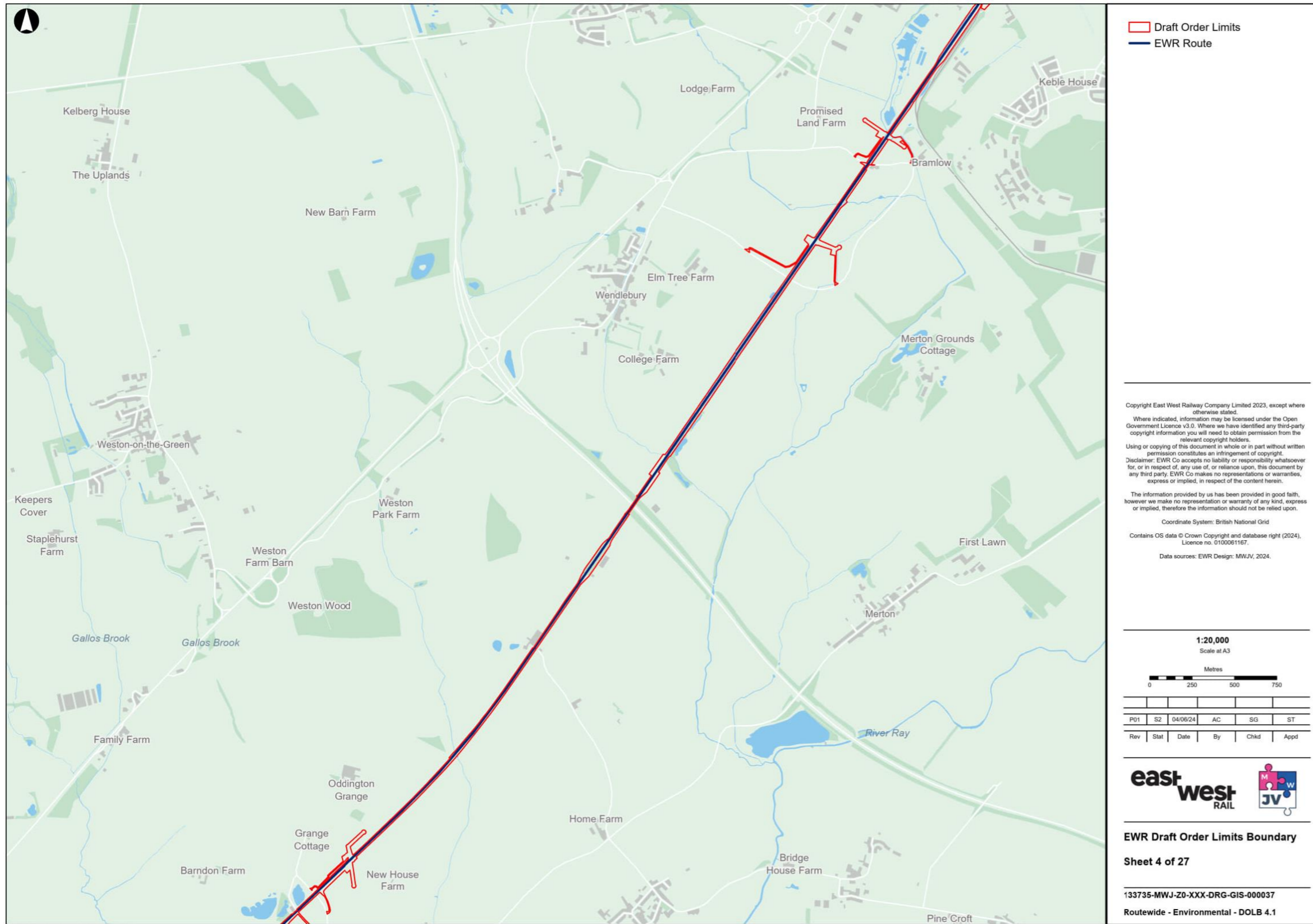


Figure 5 – EWR Draft Order Limits Boundary Sheet 3 of 27.



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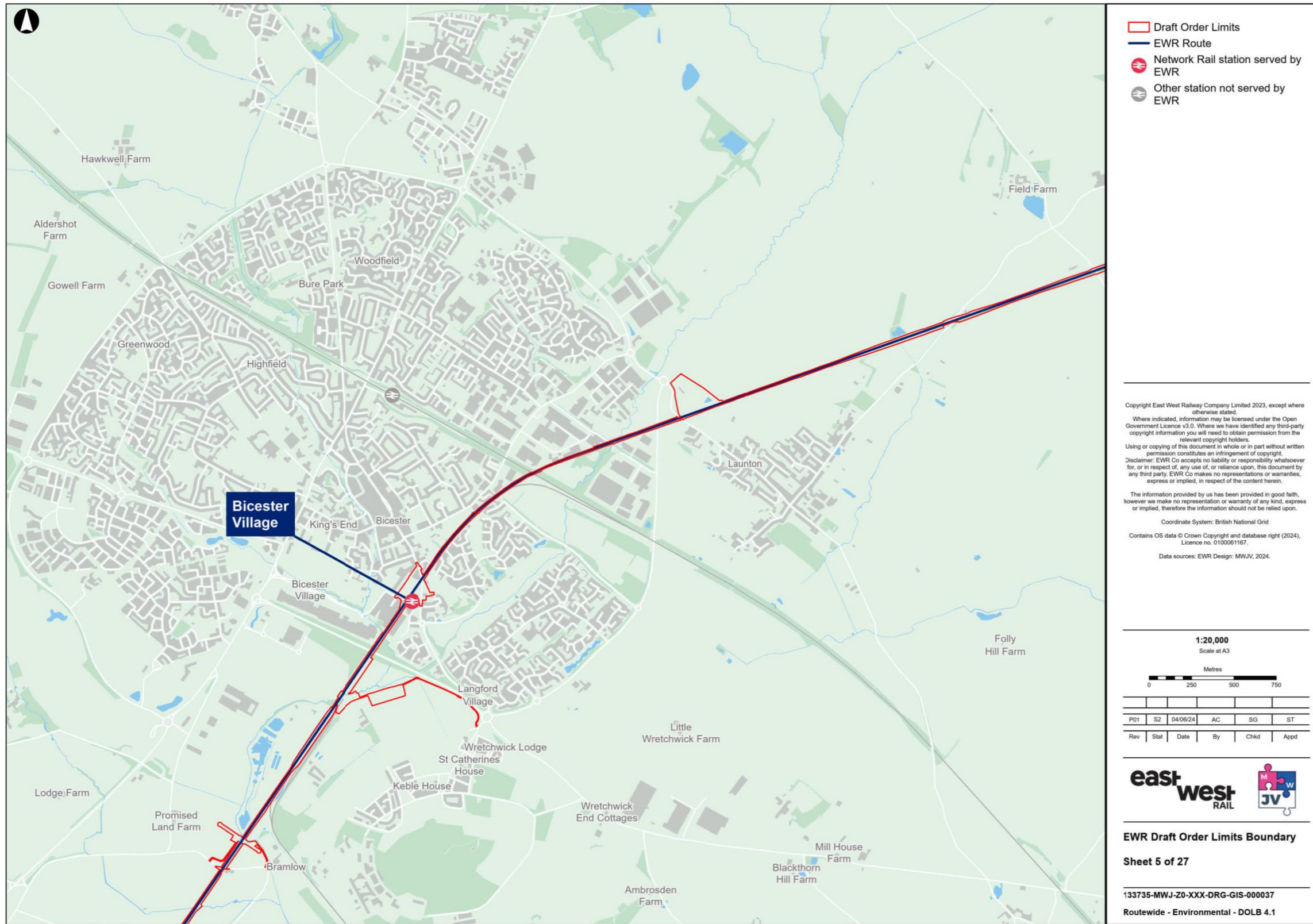
Figure 6 – EWR Draft Order Limits Boundary Sheet 4 of 27.



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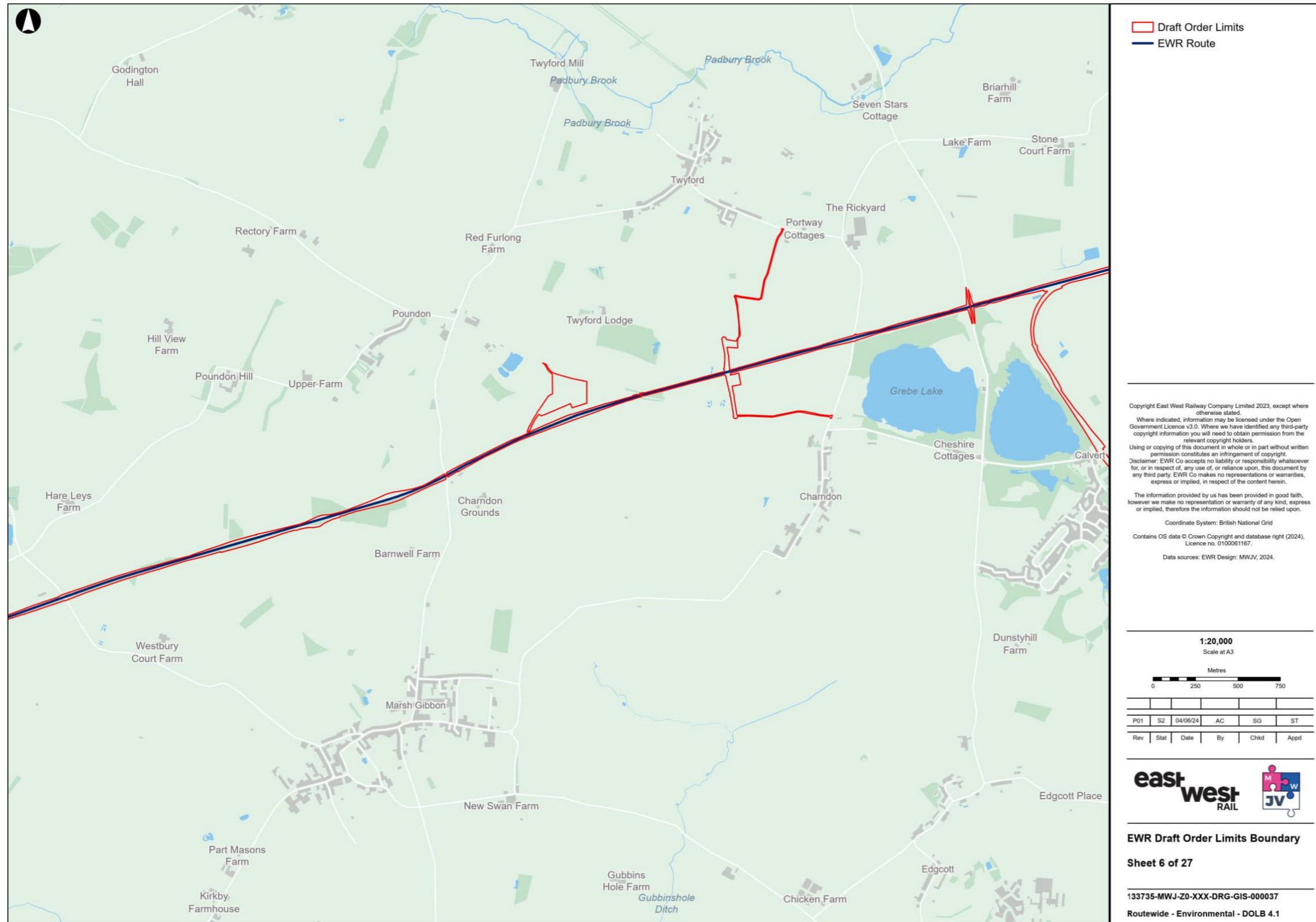


Figure 7 – EWR Draft Order Limits Boundary Sheet 5 of 27.



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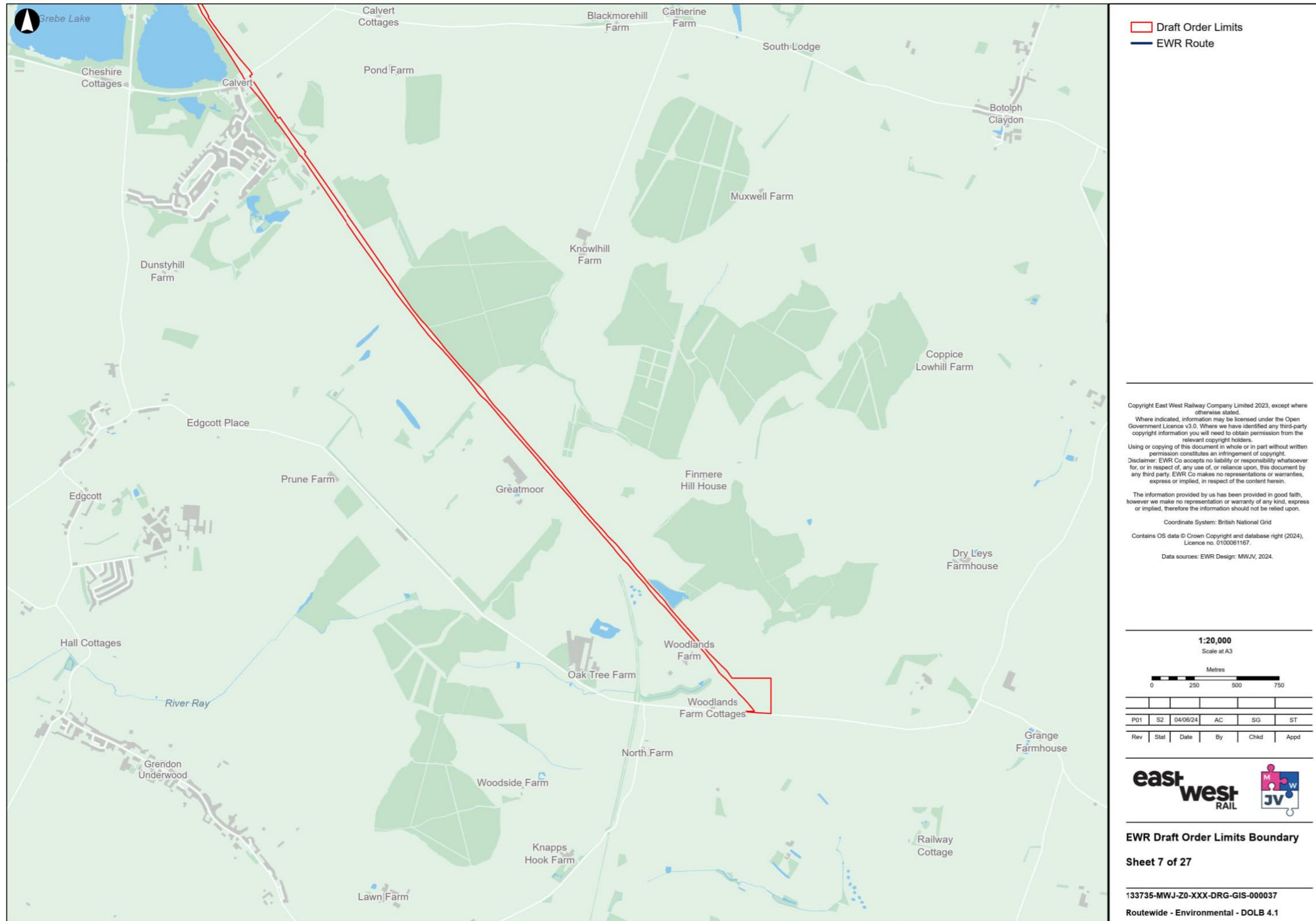
Figure 8 – EWR Draft Order Limits Boundary Sheet 6 of 27.



EWR\_General | EWR - DOLB | 04 Jun 2024



Figure 9 – EWR Draft Order Limits Boundary Sheet 7 of 27.



EWR\_General | EWR - DOLB | 04 Jun 2024

Figure 10 – EWR Draft Order Limits Boundary Sheet 8 of 27.



▭ Draft Order Limits  
— EWR Route

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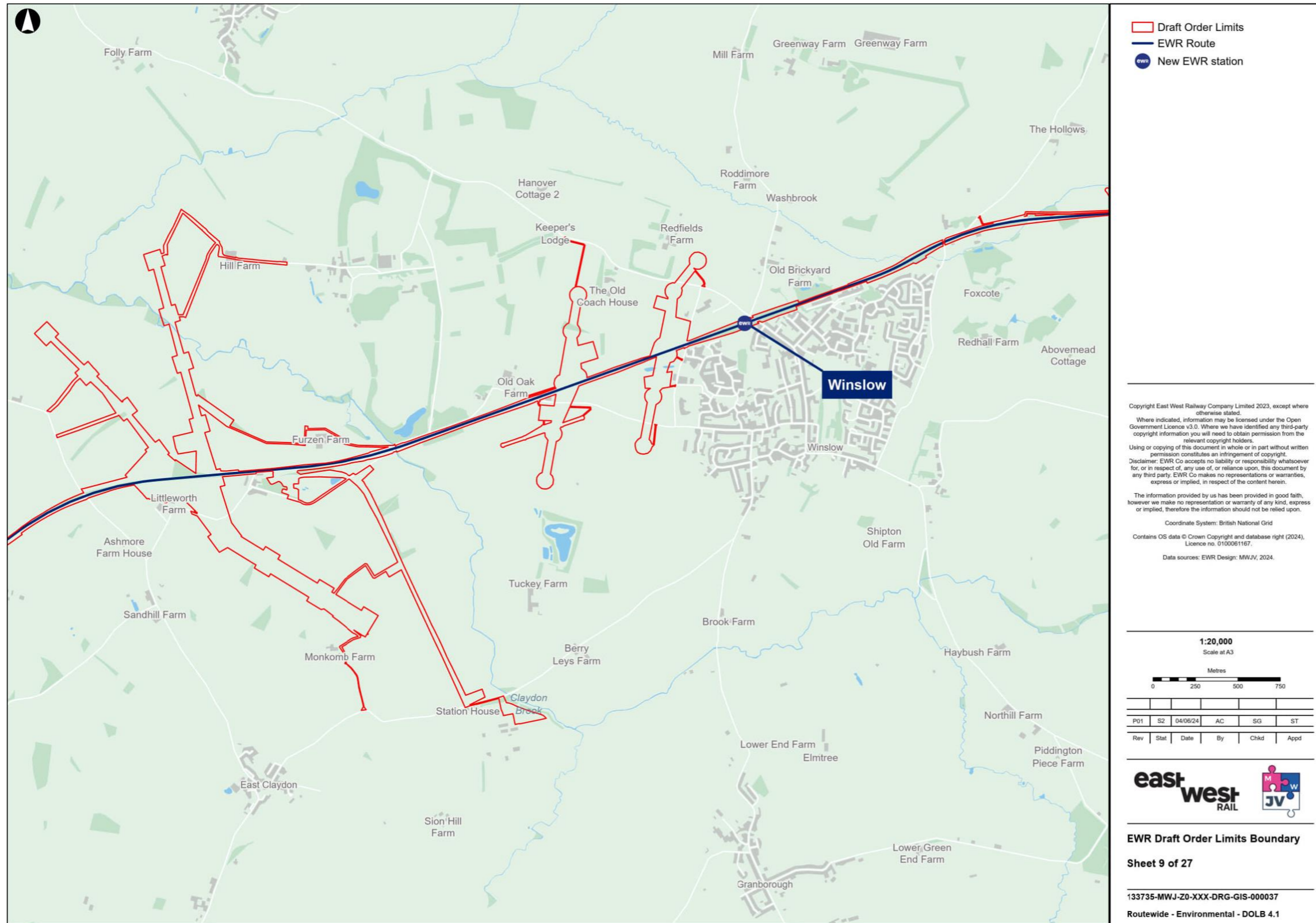
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**EWR Draft Order Limits Boundary**  
**Sheet 8 of 27**  
 133735-MWJ-Z0-XXX-DRG-GIS-000037  
 Routewide - Environmental - DOLB 4.1

EWR\_General | EWR - DOLB | 04 Jun 2024

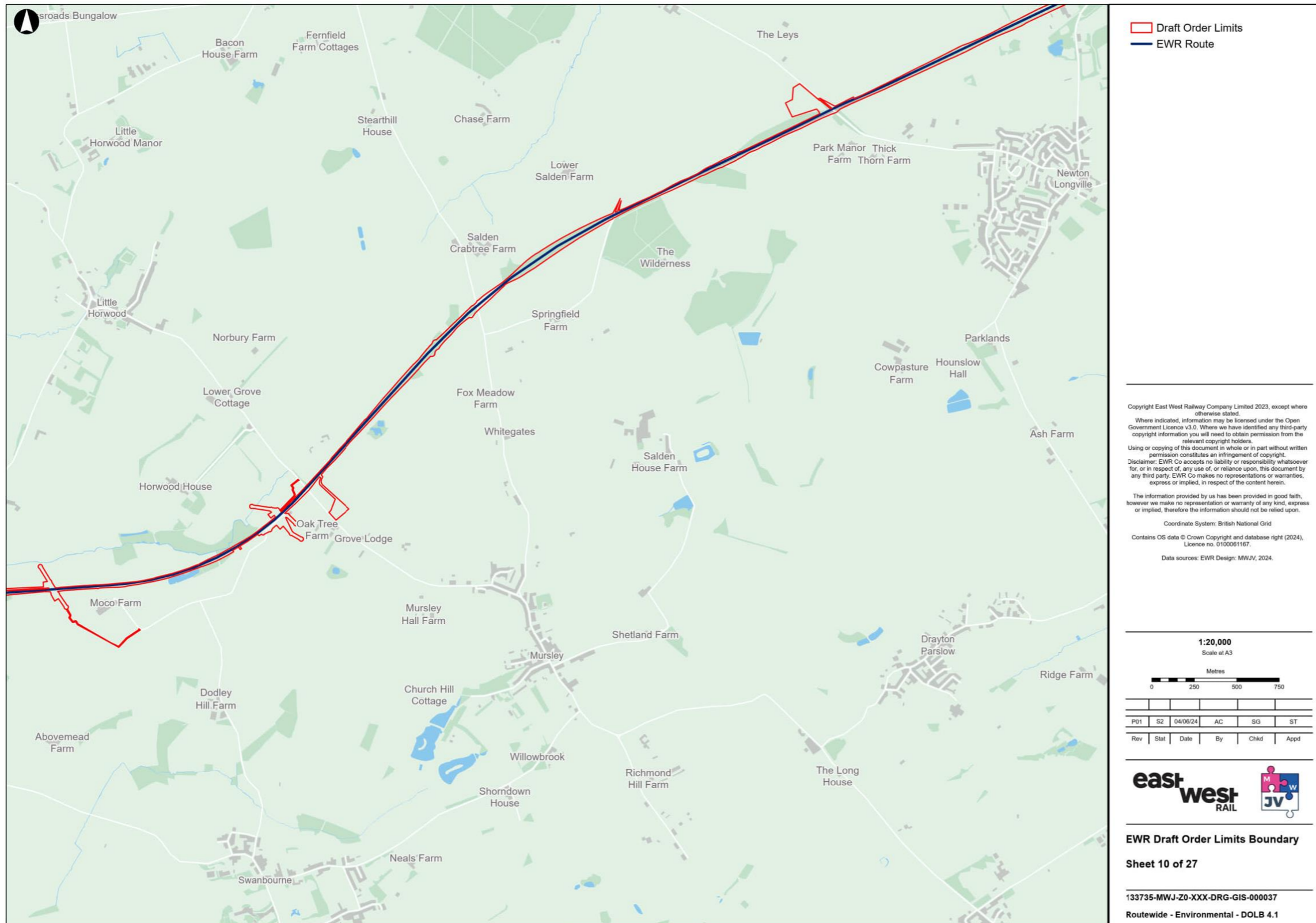


Figure 11 – EWR Draft Order Limits Boundary Sheet 9 of 27.



EWR\_General | EWR - DOLB | 04 Jun 2024

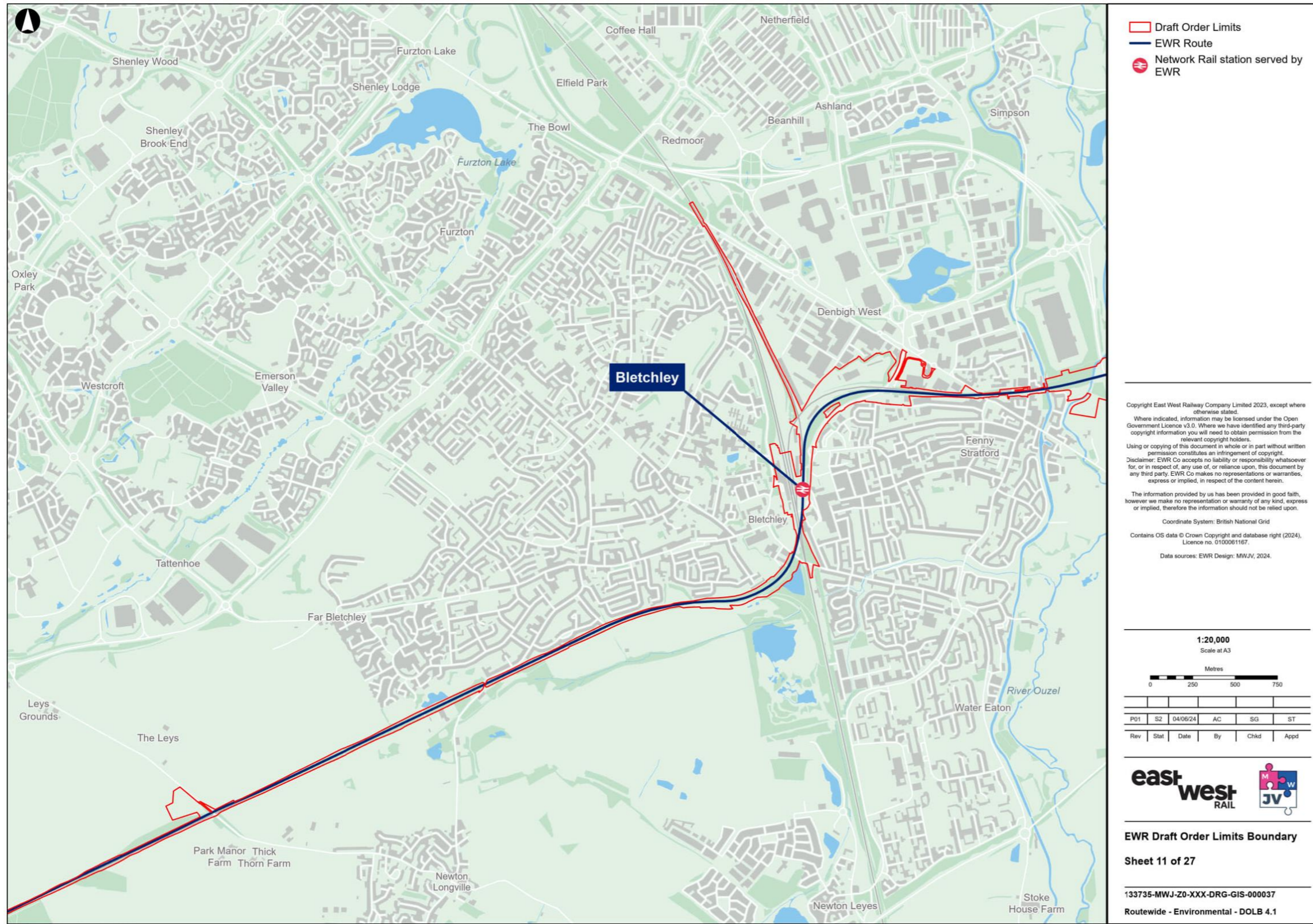
Figure 12 – EWR Draft Order Limits Boundary Sheet 10 of 27.



EWR\_General | EWR - DOLB | 04 Jun 2024



Figure 13 – EWR Draft Order Limits Boundary Sheet 11 of 27.



EWR\_General | EWR - DOLB | 04 Jun 2024



Figure 14 – EWR Draft Order Limits Boundary Sheet 12 of 27.



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Figure 15 – EWR Draft Order Limits Boundary Sheet 13 of 27.



EWR\_General | EWR - DOLB | 04 Jun 2024



Figure 16 – EWR Draft Order Limits Boundary Sheet 14 of 27.



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Figure 17 – EWR Draft Order Limits Boundary Sheet 15 of 27.



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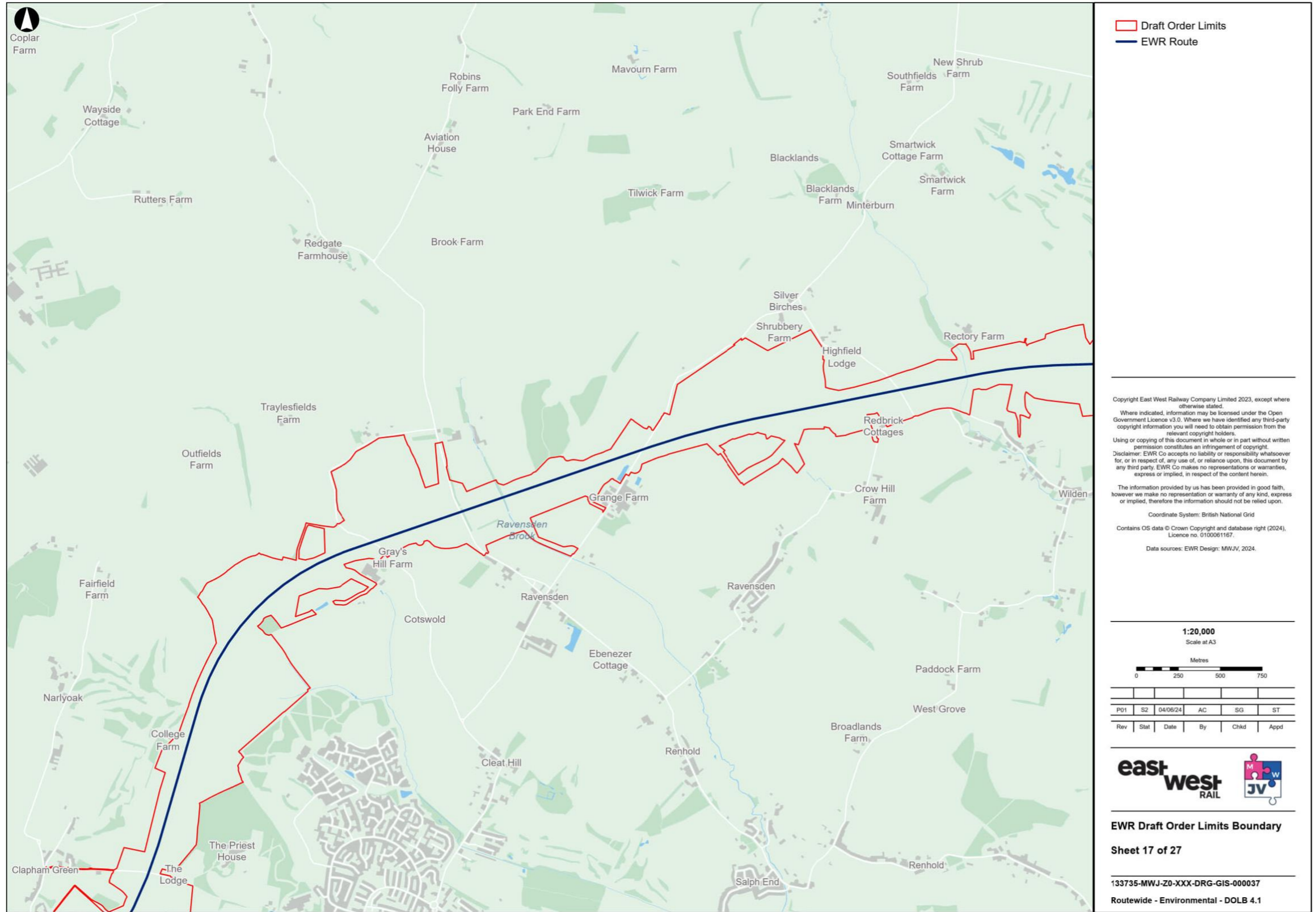
Figure 18 – EWR Draft Order Limits Boundary Sheet 16 of 27.



EWR\_General | EWR - DOLB | 04 Jun 2024

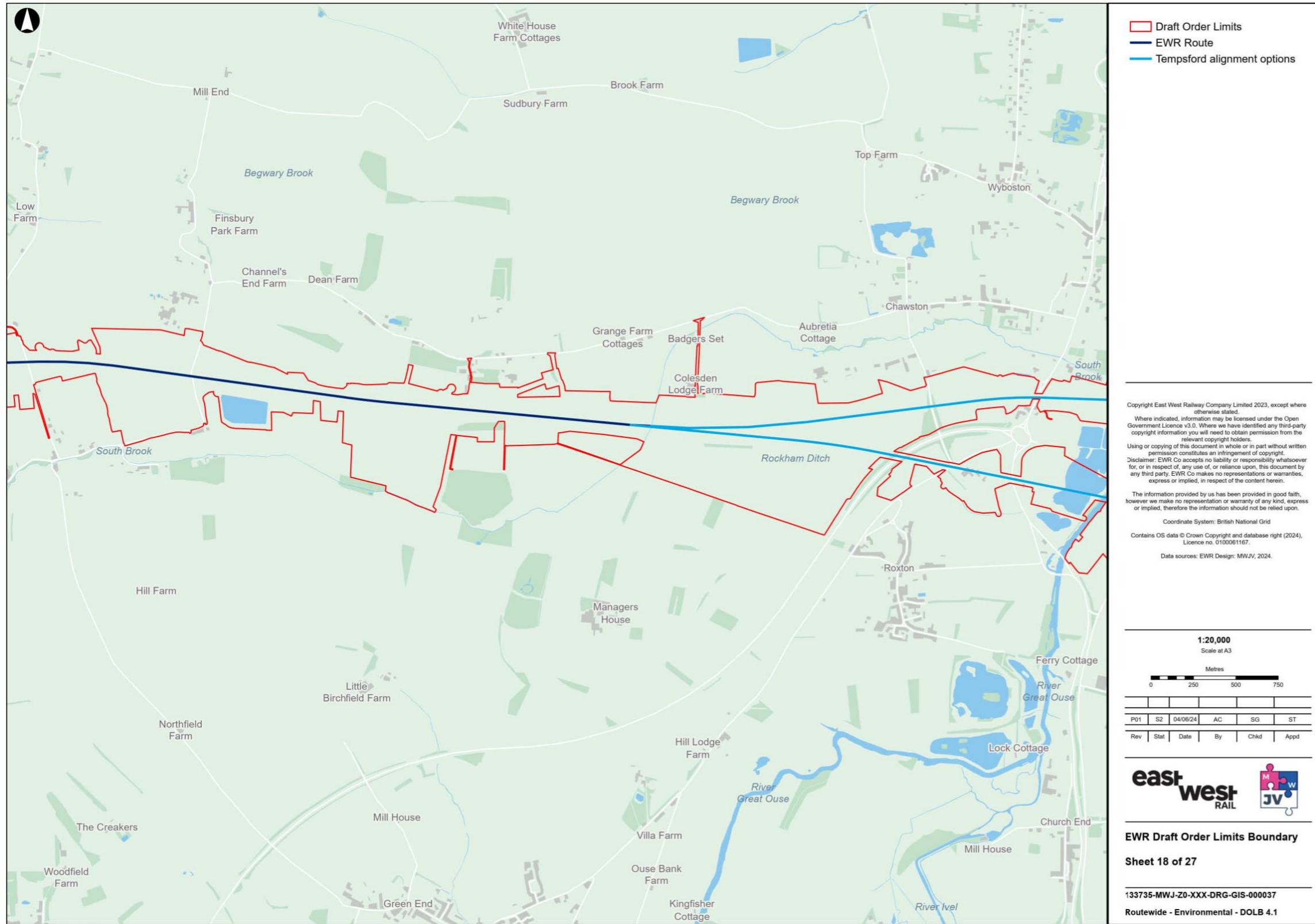


Figure 19 – EWR Draft Order Limits Boundary Sheet 17 of 27.



EWR\_General | EWR - DOLB | 04 Jun 2024

Figure 20 – EWR Draft Order Limits Boundary Sheet 18 of 27.



EWR\_General | EWR - DOLB | 04 Jun 2024



Figure 21 – EWR Draft Order Limits Boundary Sheet 19 of 27.



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Figure 22 – EWR Draft Order Limits Boundary Sheet 20 of 27.

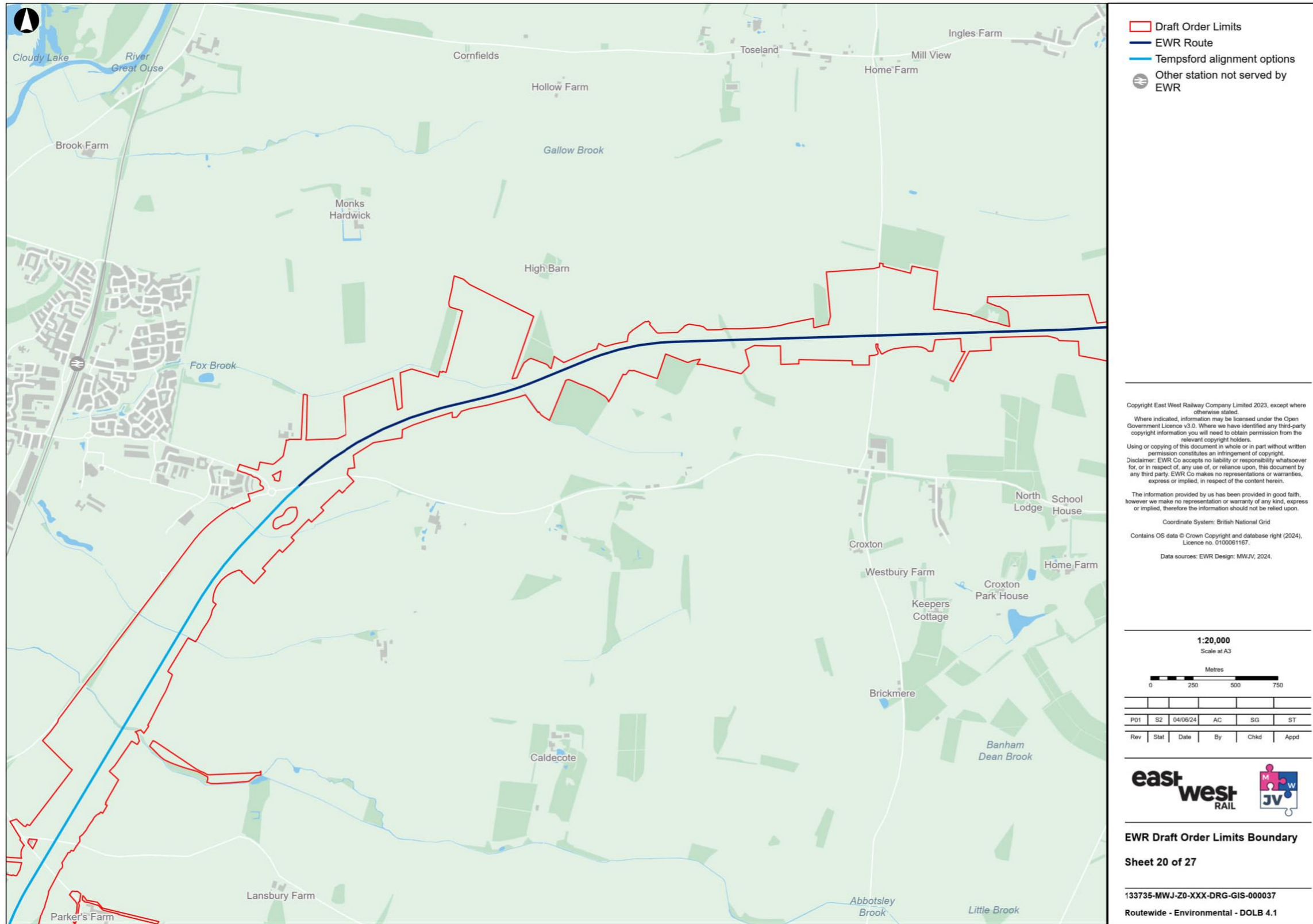
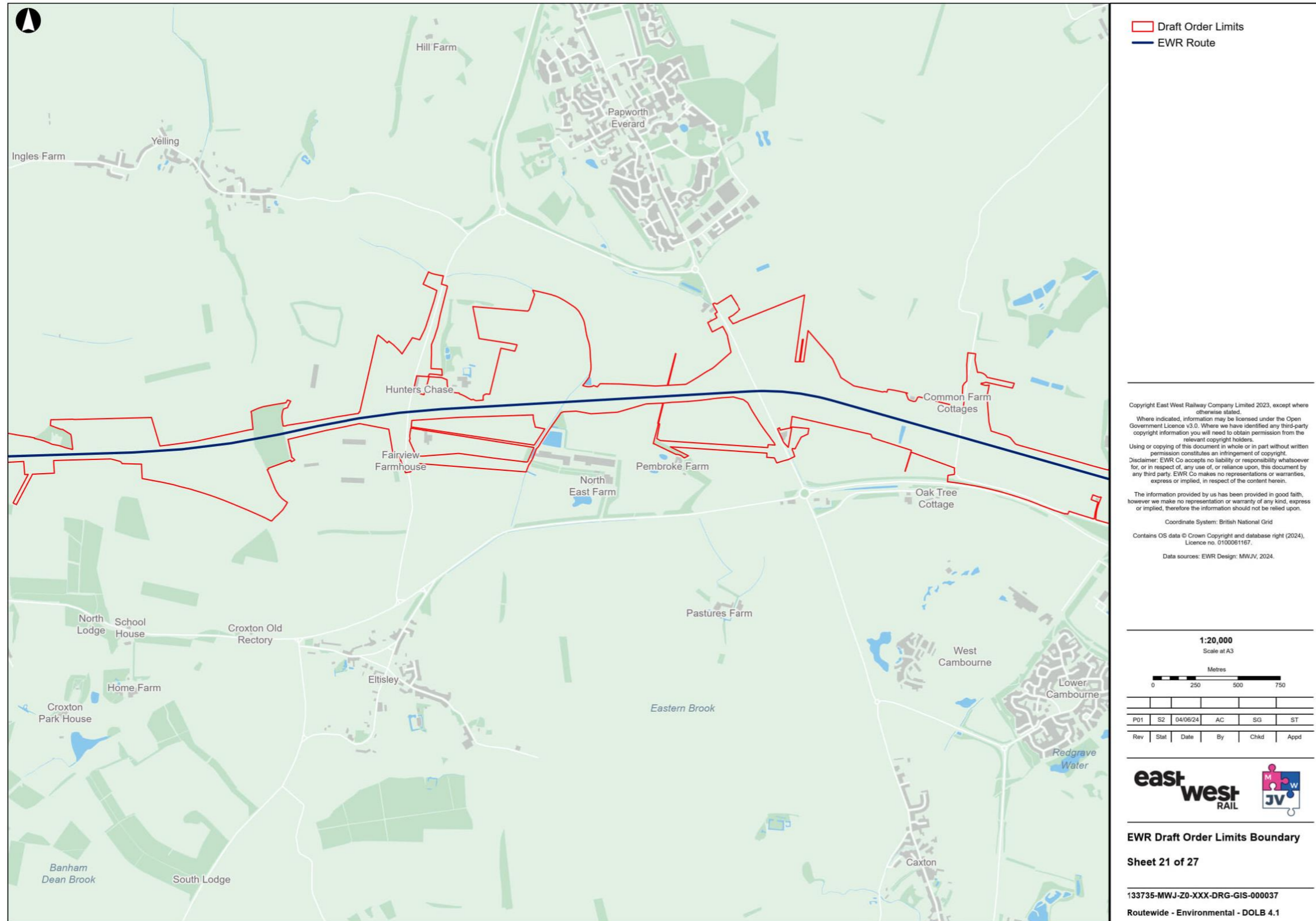




Figure 23 – EWR Draft Order Limits Boundary Sheet 21 of 27.



EWR\_General | EWR - DOLB | 04 Jun 2024

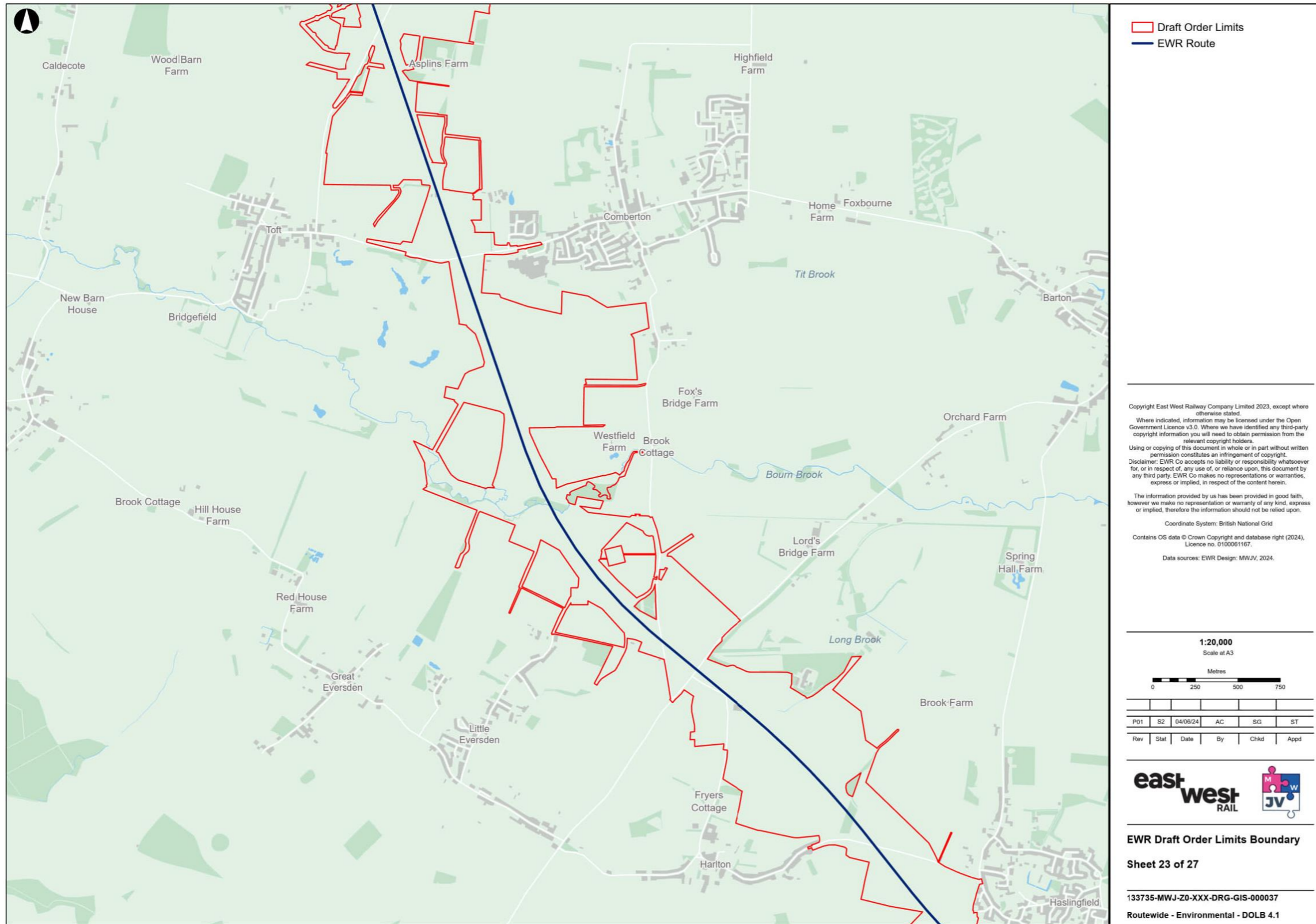
Figure 24 – EWR Draft Order Limits Boundary Sheet 22 of 27.



EWR\_General | EWR - DOLB | 04 Jun 2024



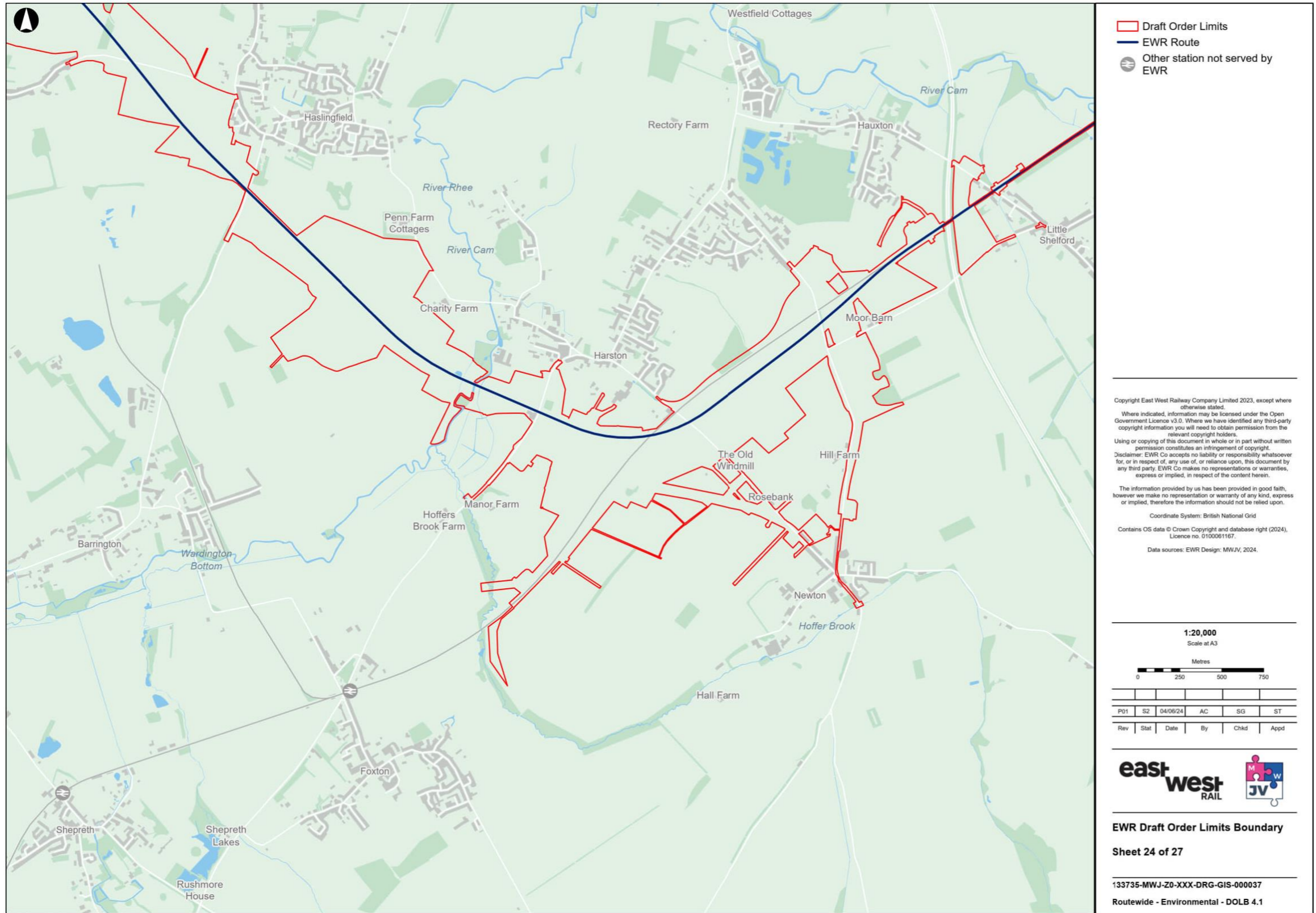
Figure 25 – EWR Draft Order Limits Boundary Sheet 23 of 27.



EWR\_General | EWR - DOLB | 04 Jun 2024



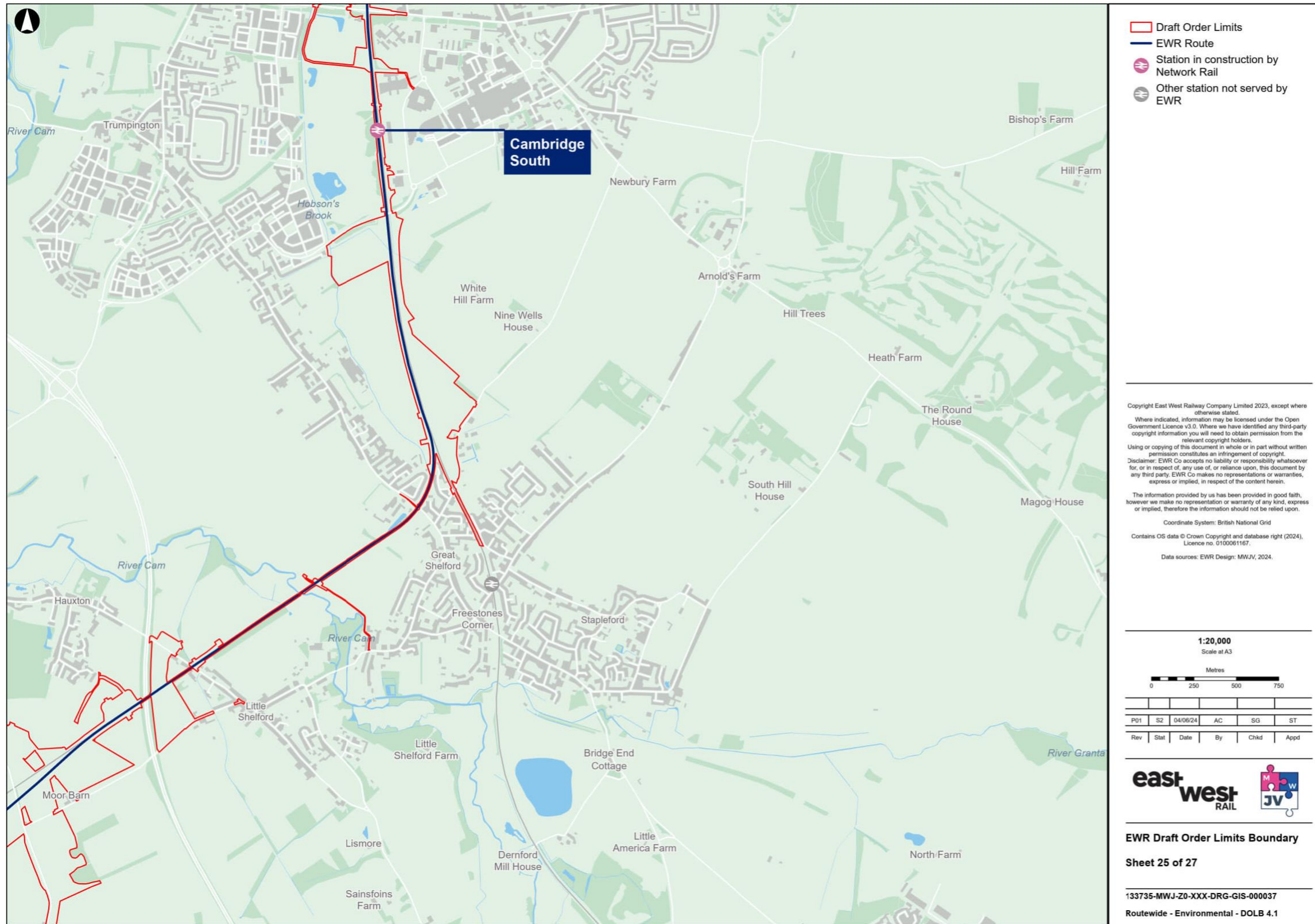
Figure 26 – EWR Draft Order Limits Boundary Sheet 24 of 27.



EWR\_General | EWR - DOLB | 04 Jun 2024



Figure 27 – EWR Draft Order Limits Boundary Sheet 25 of 27.



EWR\_General | EWR - DOLB | 04 Jun 2024



Figure 28 – EWR Draft Order Limits Boundary Sheet 26 of 27.



- Draft Order Limits
- EWR Route
- ⊕ Network Rail station served by EWR
- ⊕ Station in construction by Network Rail

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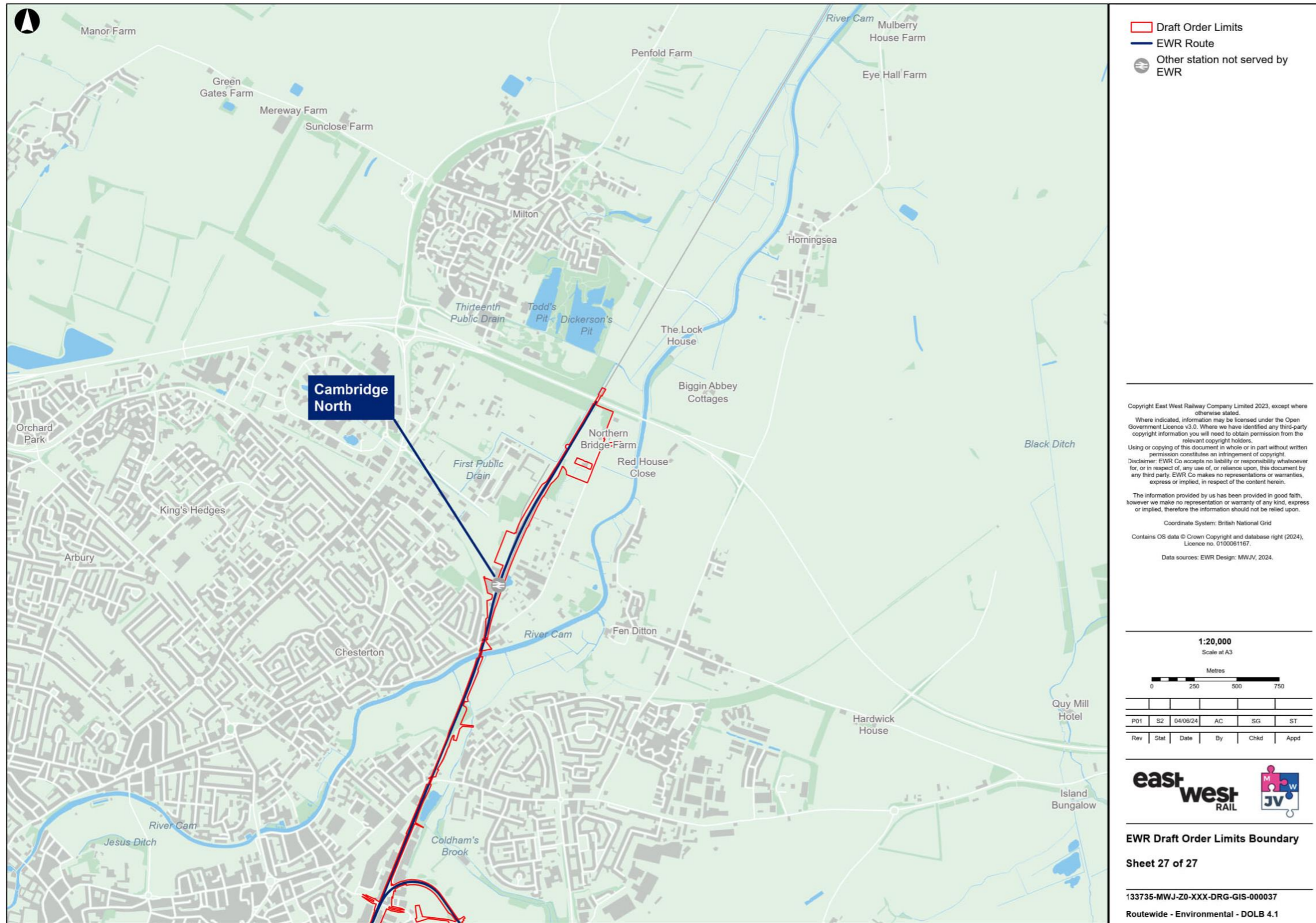


**EWR Draft Order Limits Boundary**  
**Sheet 26 of 27**  
 133735-MWJ-Z0-XXX-DRG-GIS-000037  
 Routewide - Environmental - DOLB 4.1

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Figure 29 – EWR Draft Order Limits Boundary Sheet 27 of 27.



EWR\_General | EWR - DOLB | 04 Jun 2024

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## 2. People and communities

### 2.1. Air quality



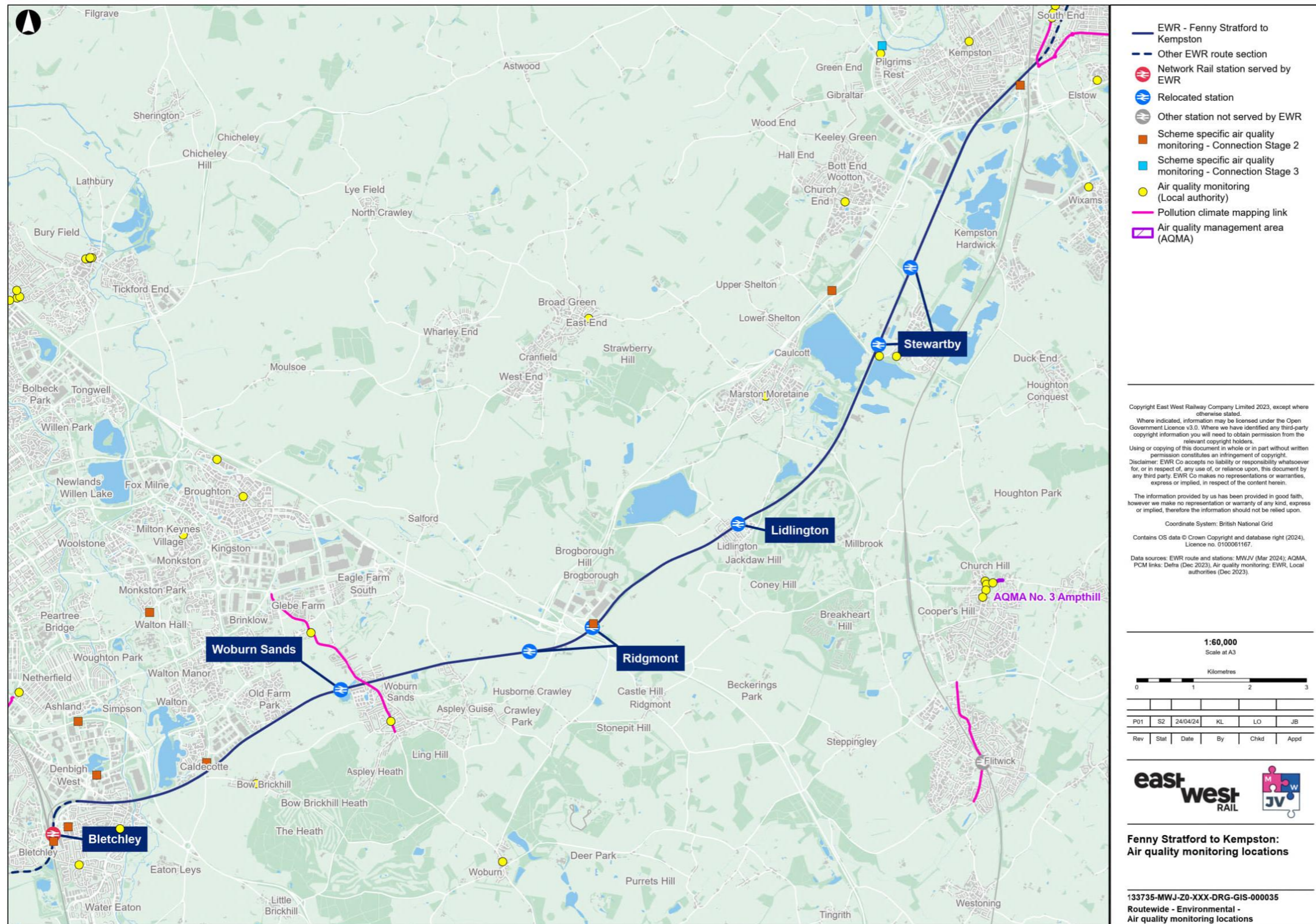
Figure 30 – Oxford to Bletchley: Air Quality Monitoring Locations.



EWR\_AirQuality | Air quality monitoring location - RS1 | 07 May 2024



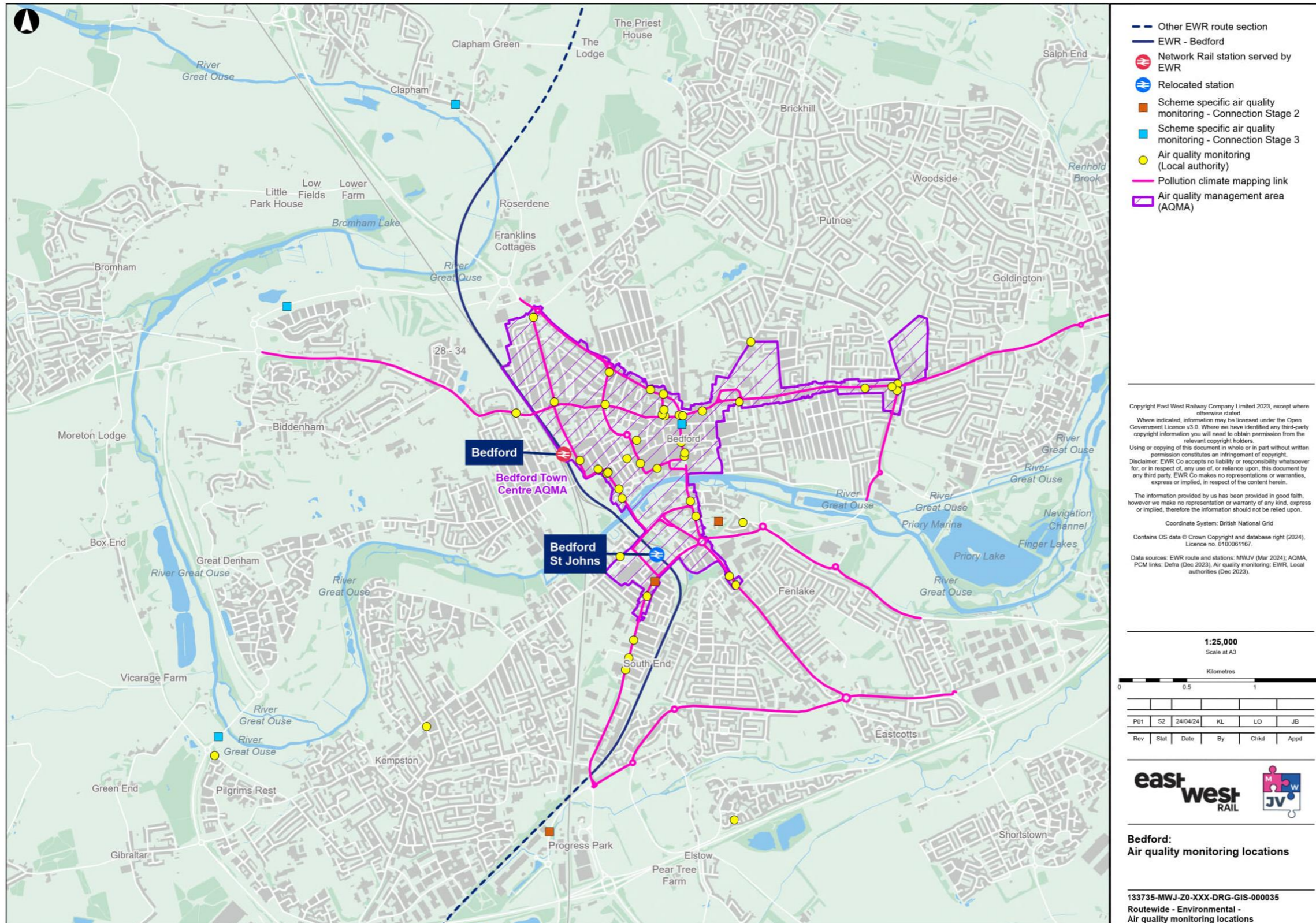
Figure 31 – Fenny Stratford to Kempston: Air Quality Monitoring Locations.



EW\_RailQuality | Air quality monitoring location - RS2 | 07 May 2024



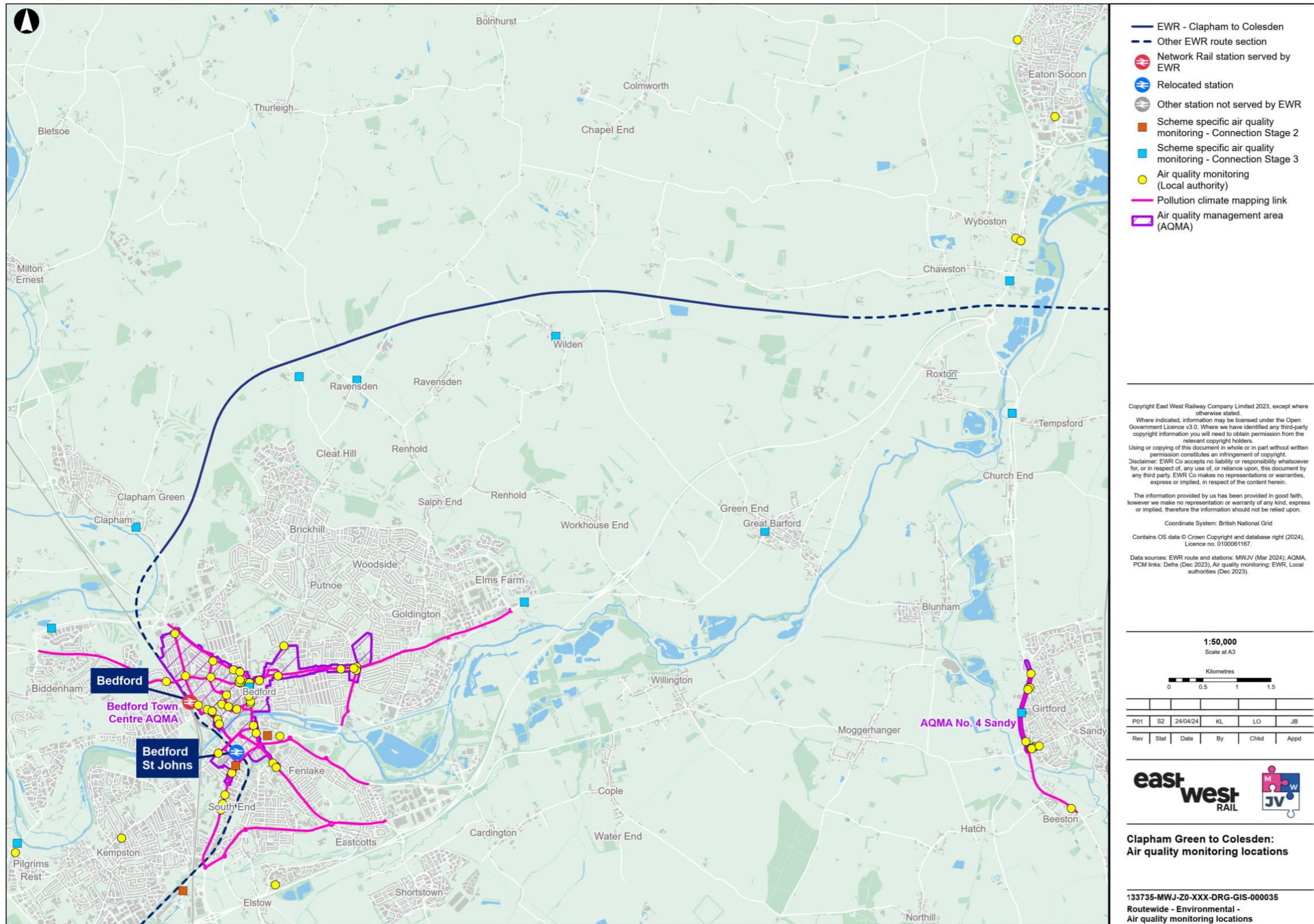
Figure 32 – Bedford: Air Quality Monitoring Locations.



EWR\_AirQuality | Air quality monitoring location - RS3 | 07 May 2024



Figure 33 – Clapham Green to Colesden: Air Quality Monitoring Locations.



EWR\_AirQuality | Air quality monitoring location - RS4 | 07 May 2024



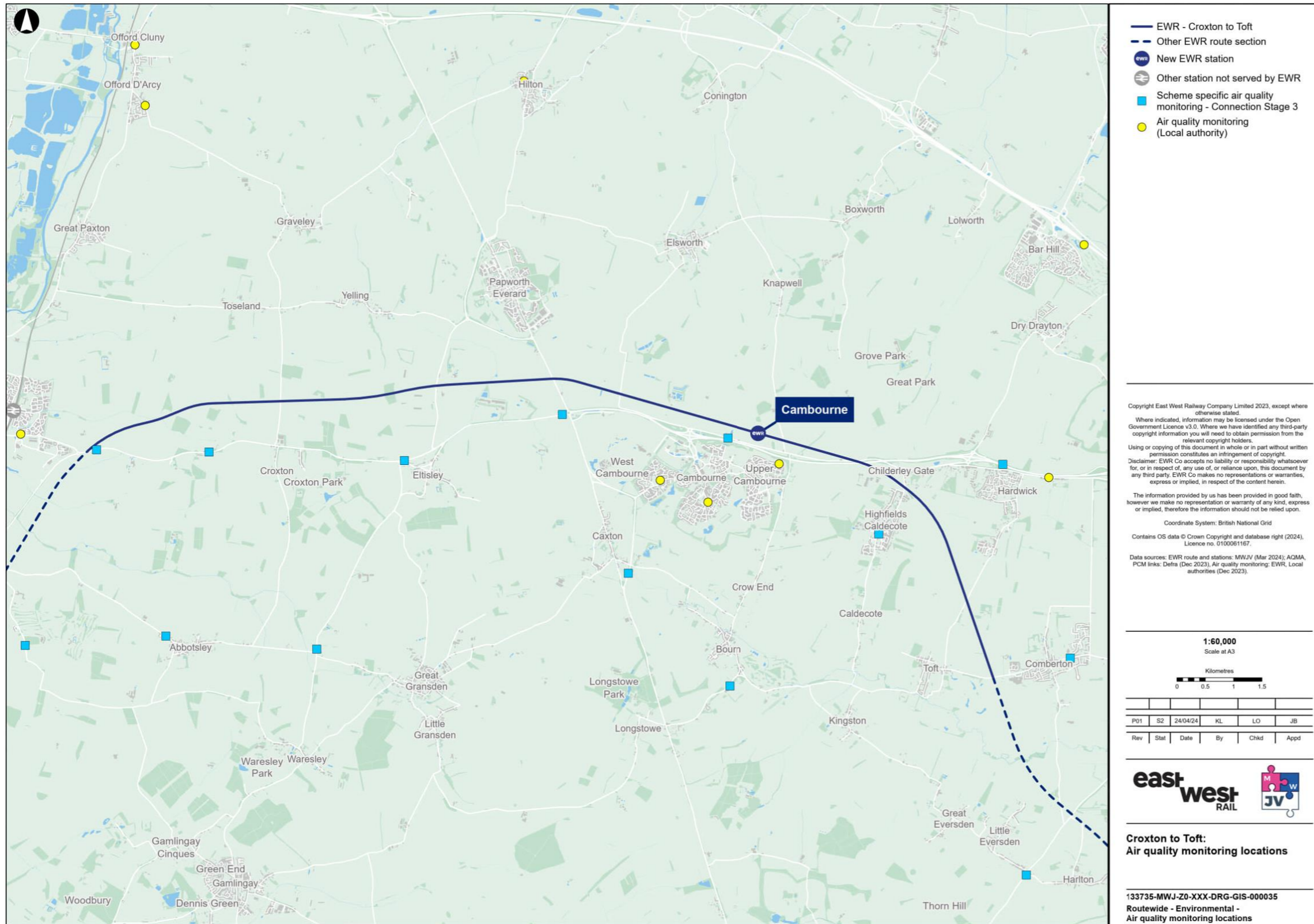
Figure 34 – Roxton to east of St Neots: Air Quality Monitoring Locations.



EWR\_AirQuality | Air quality monitoring location - R55 | 17 May 2024

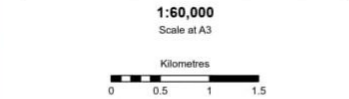


Figure 35 – Croxton to Toft: Air Quality Monitoring Locations.



- EWR - Croxton to Toft
- - - Other EWR route section
- ewr New EWR station
- Other station not served by EWR
- Scheme specific air quality monitoring - Connection Stage 3
- Air quality monitoring (Local authority)

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P01	SZ	24/04/24	KL	LO	JB
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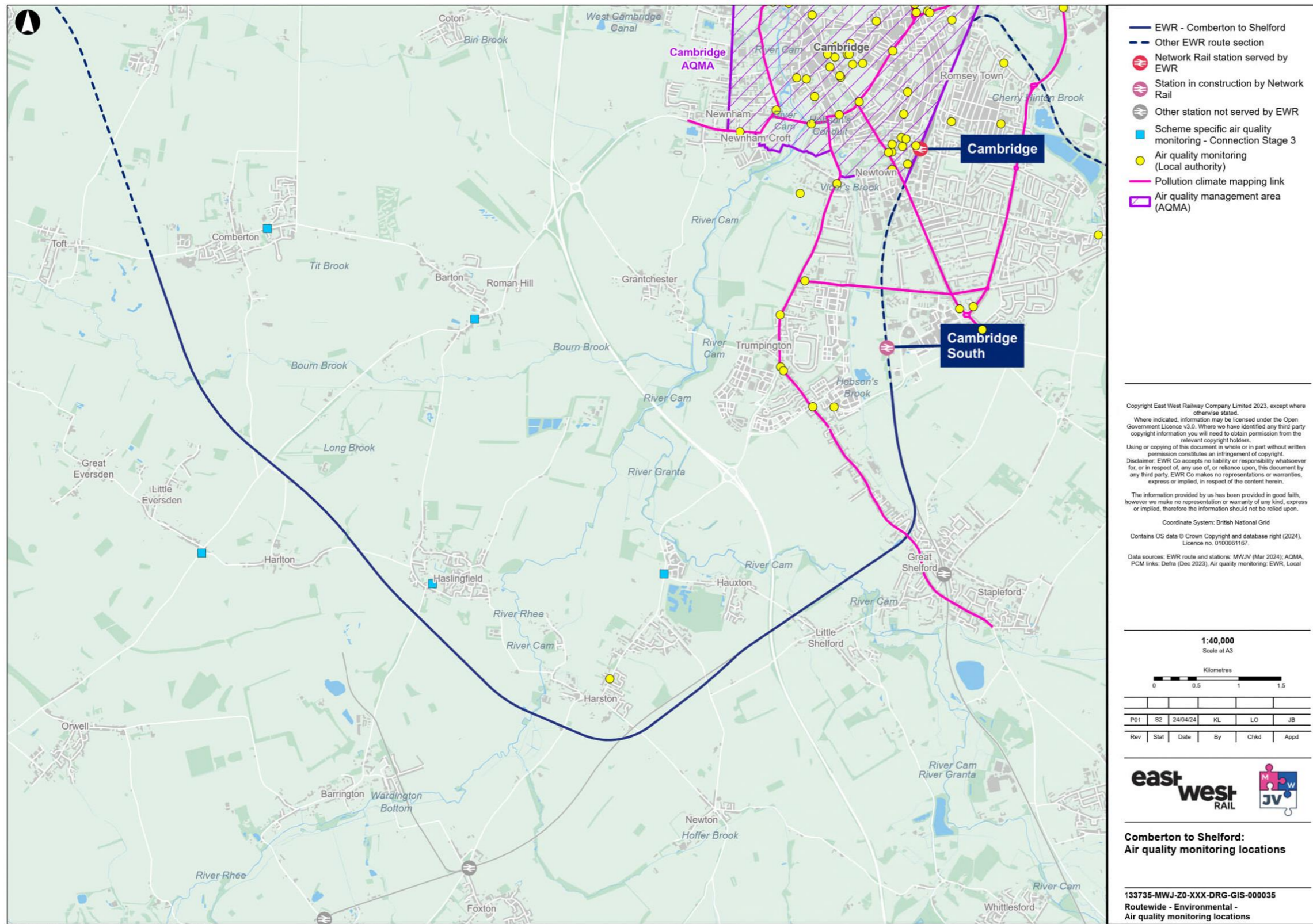
**Croxton to Toft:**  
**Air quality monitoring locations**

133735-MWJ-Z0-XXX-DRG-GIS-000035  
 Routewide - Environmental -  
 Air quality monitoring locations

EWR\_AirQuality | Air quality monitoring location - RS6 | 07 May 2024



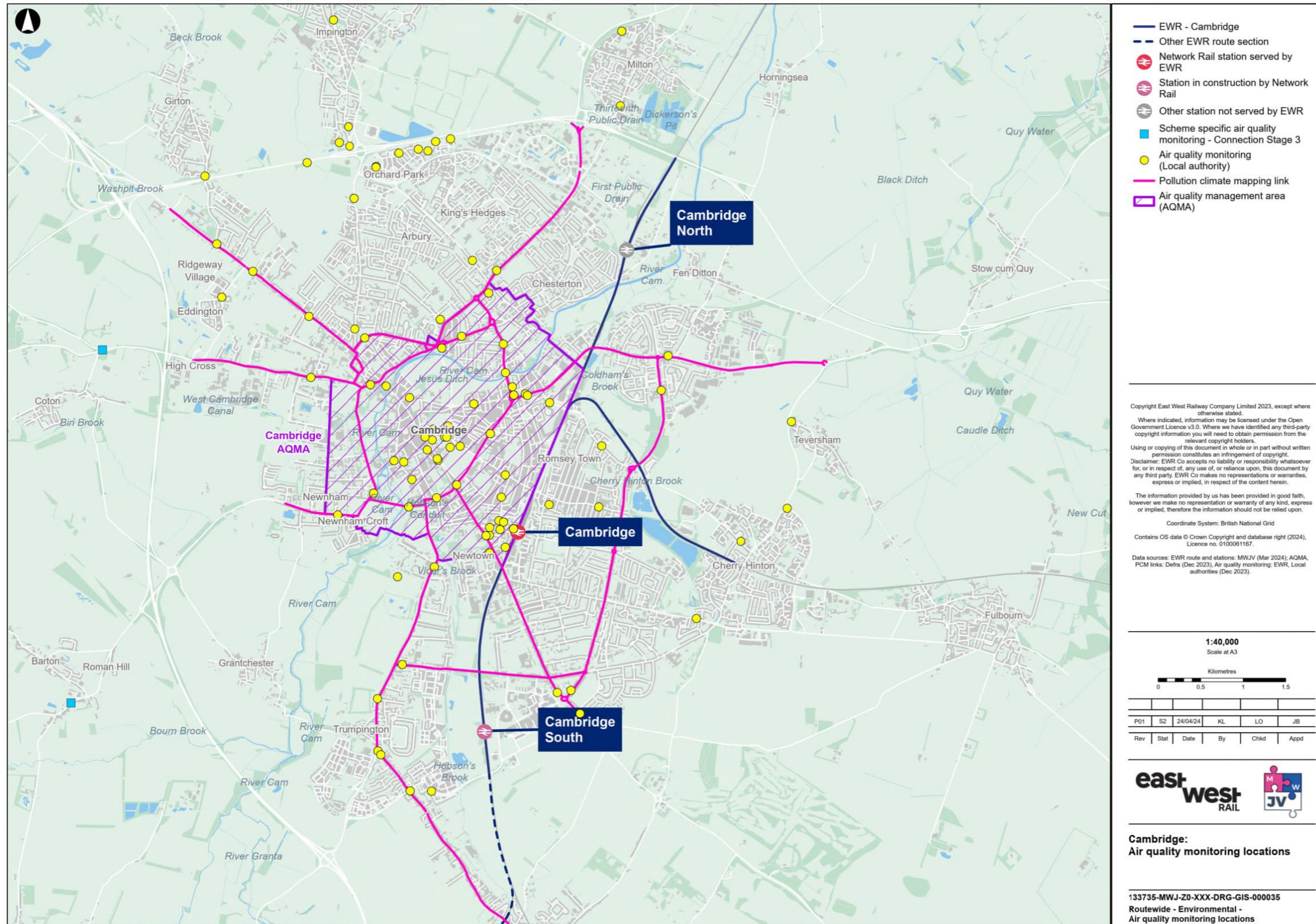
Figure 36 – Comberton to Shelford: Air Quality Monitoring Locations.



EWR\_AirQuality | Air quality monitoring location - RS7 | 07 May 2024



Figure 37 – Cambridge: Air Quality Monitoring Locations.



EWR\_AirQuality | Air quality monitoring location - RS8 | 07 May 2024

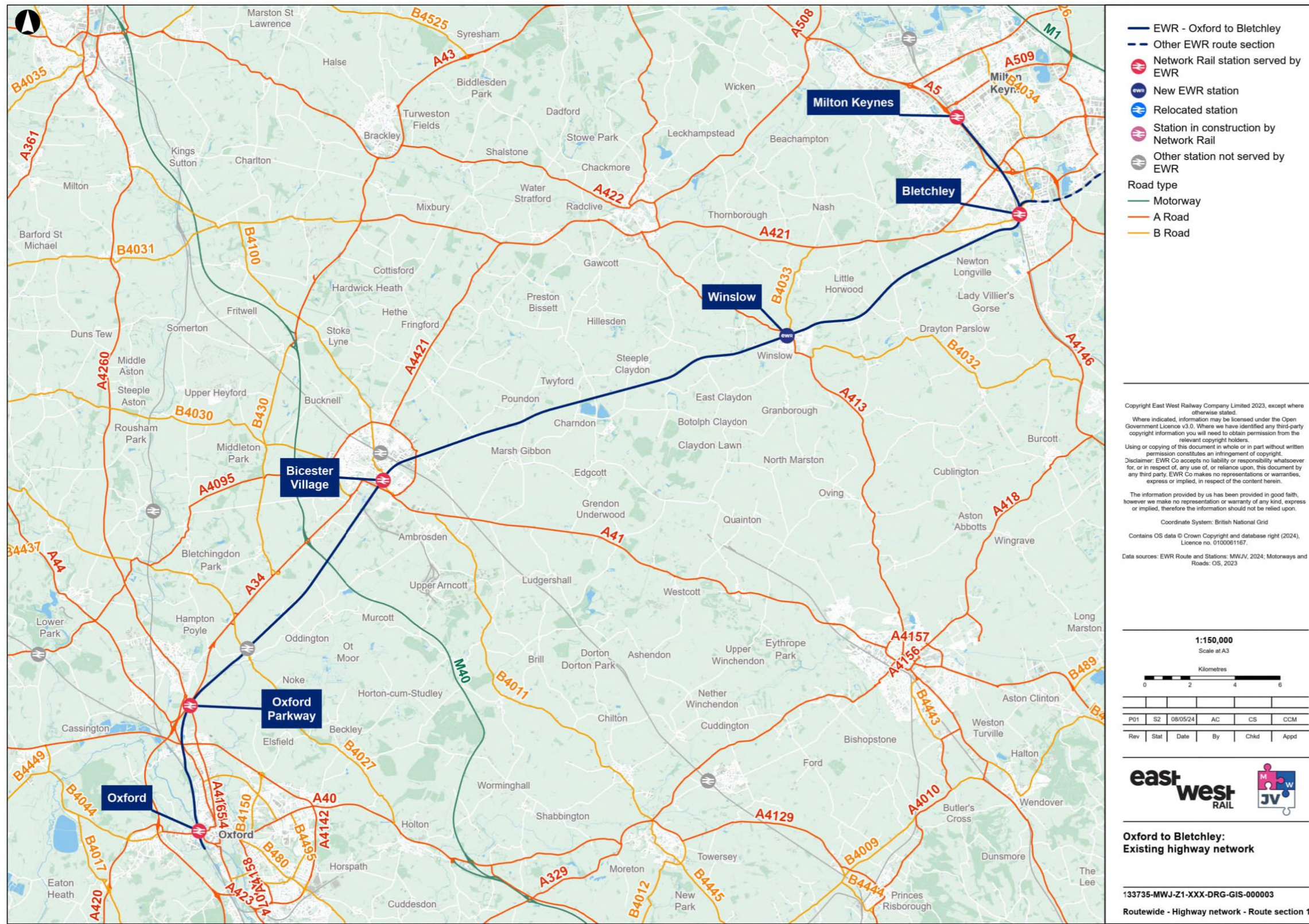


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## 2.2. Traffic and transport



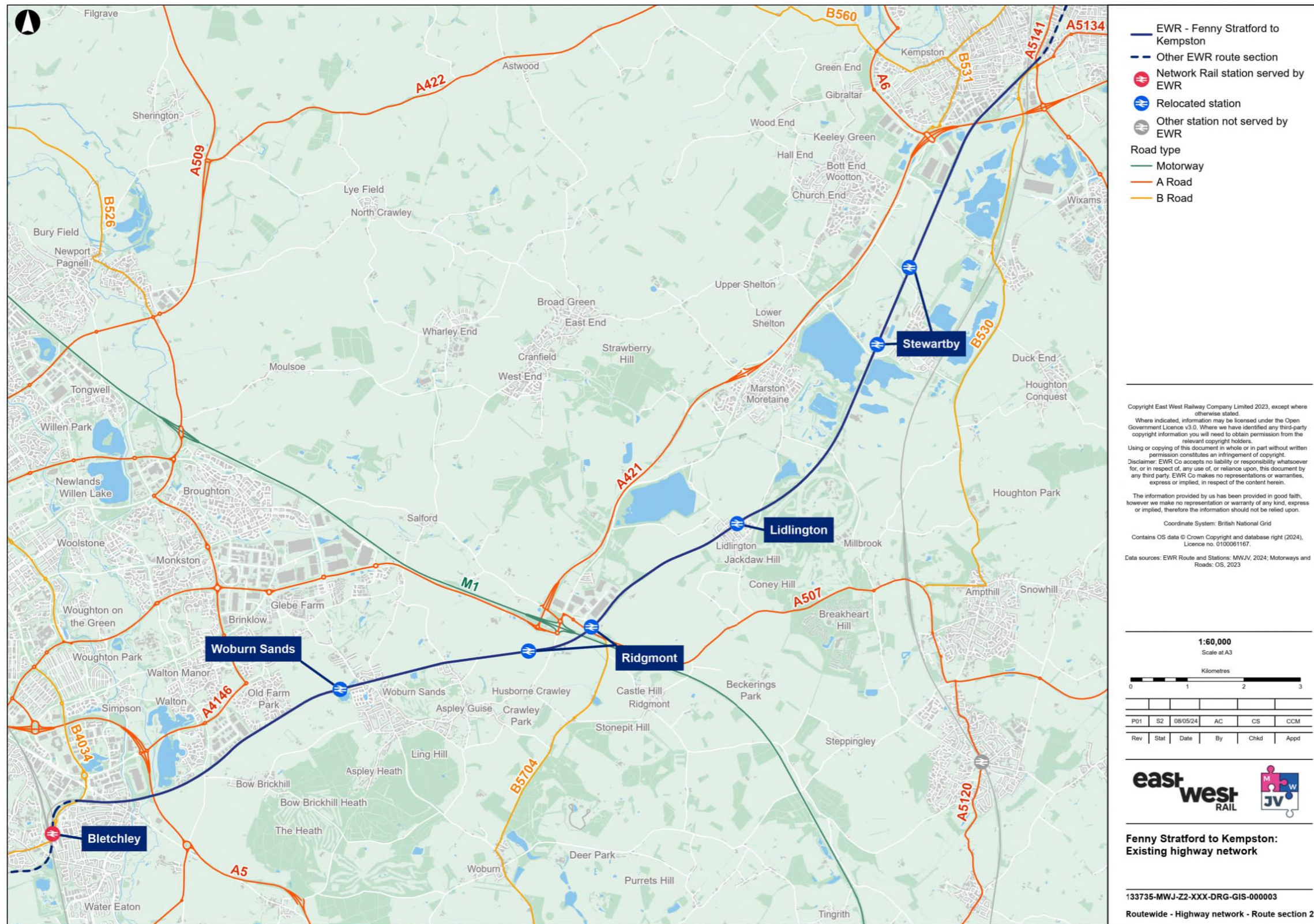
Figure 38 – Oxford to Bletchley: Existing Highway Network.



EWR\_Traffic&Transport | Existing highway network - RS 1 | 08 May 2024



Figure 39 – Fenny Stratford to Kempston: Existing Highway Network.



EWR\_Traffic&Transport | Existing highway network - RS 2 | 08 May 2024



Figure 40 – Bedford: Existing Highway Network.

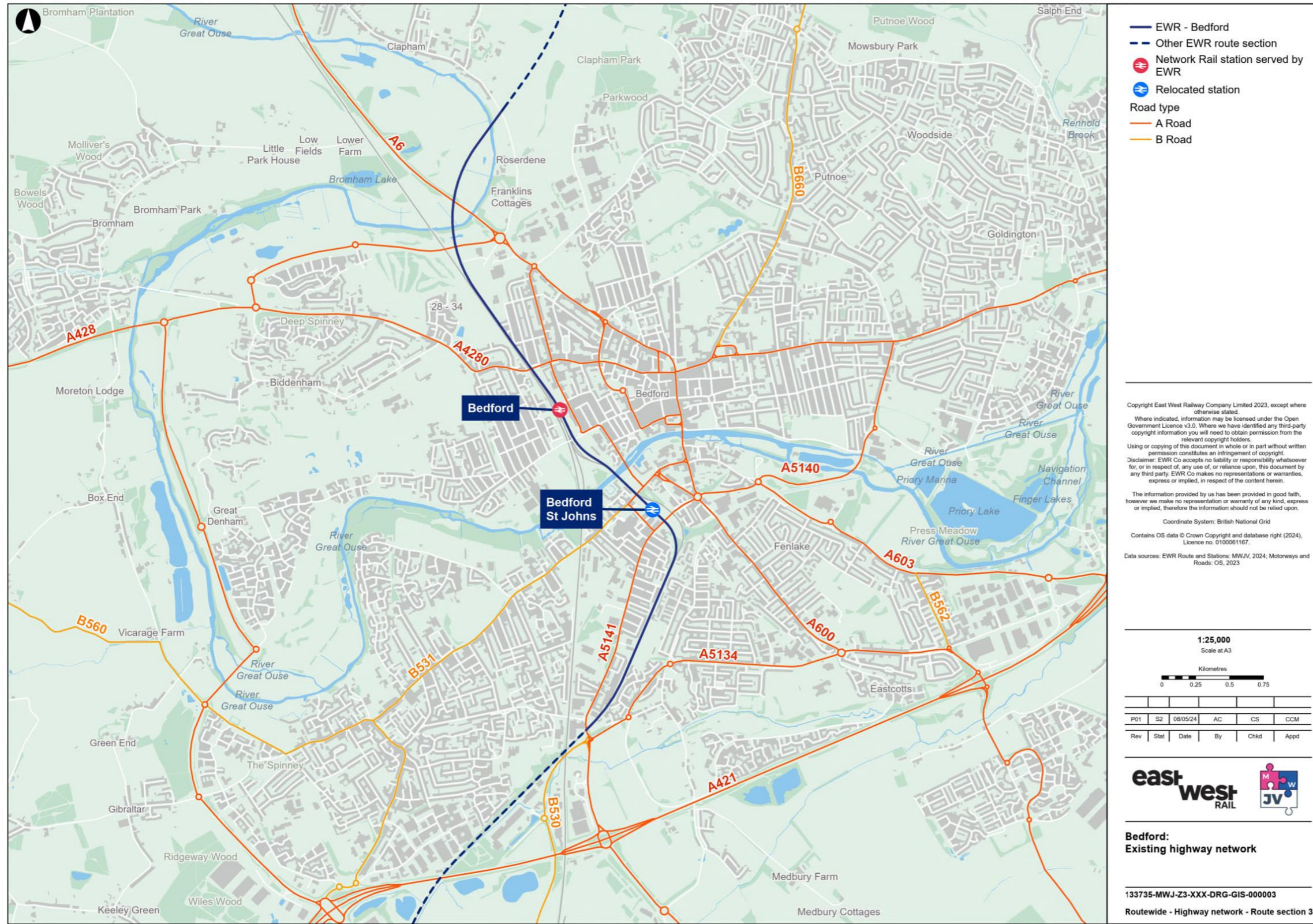




Figure 41 – Clapham Green to Colesden: Existing Highway Network.

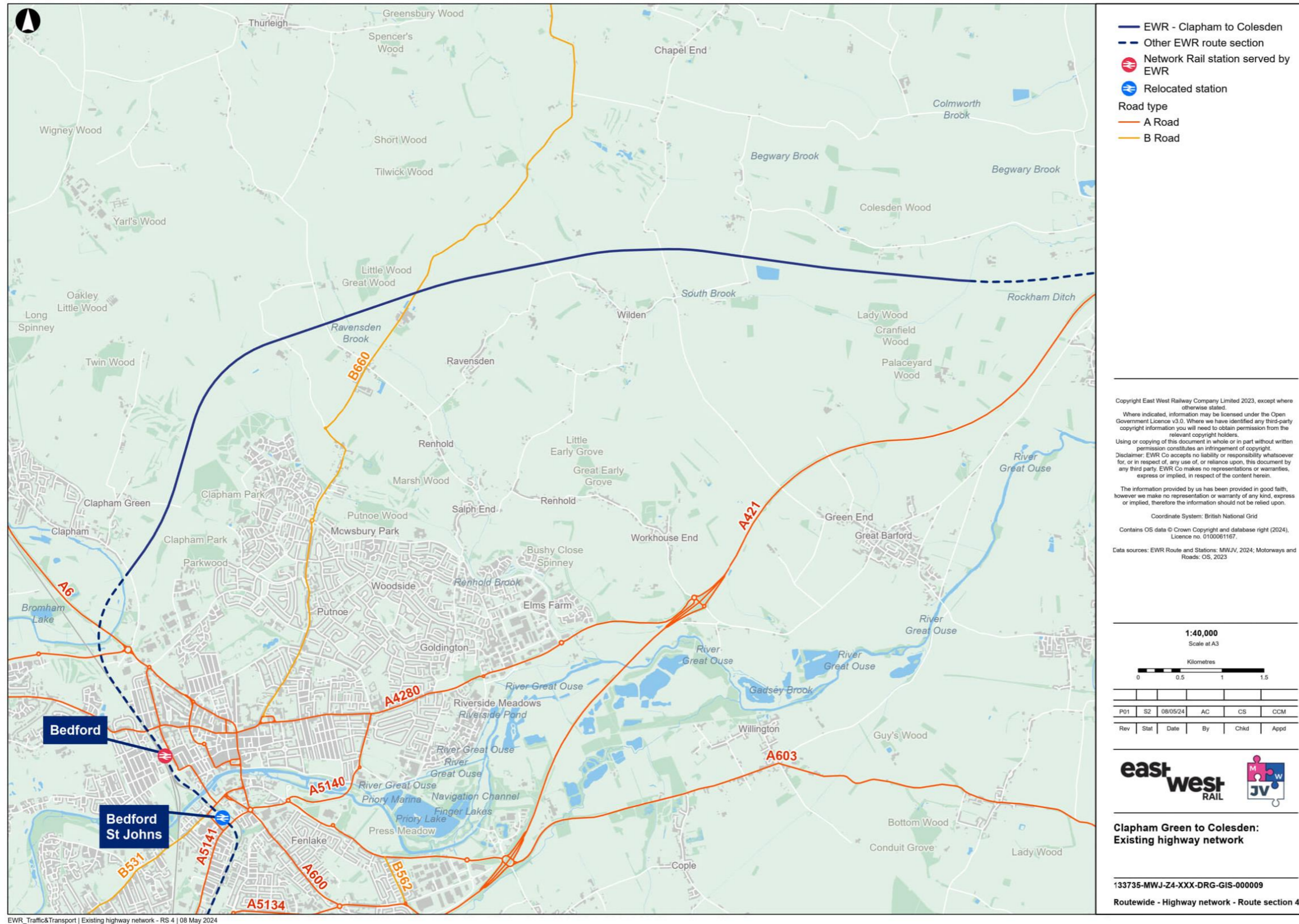




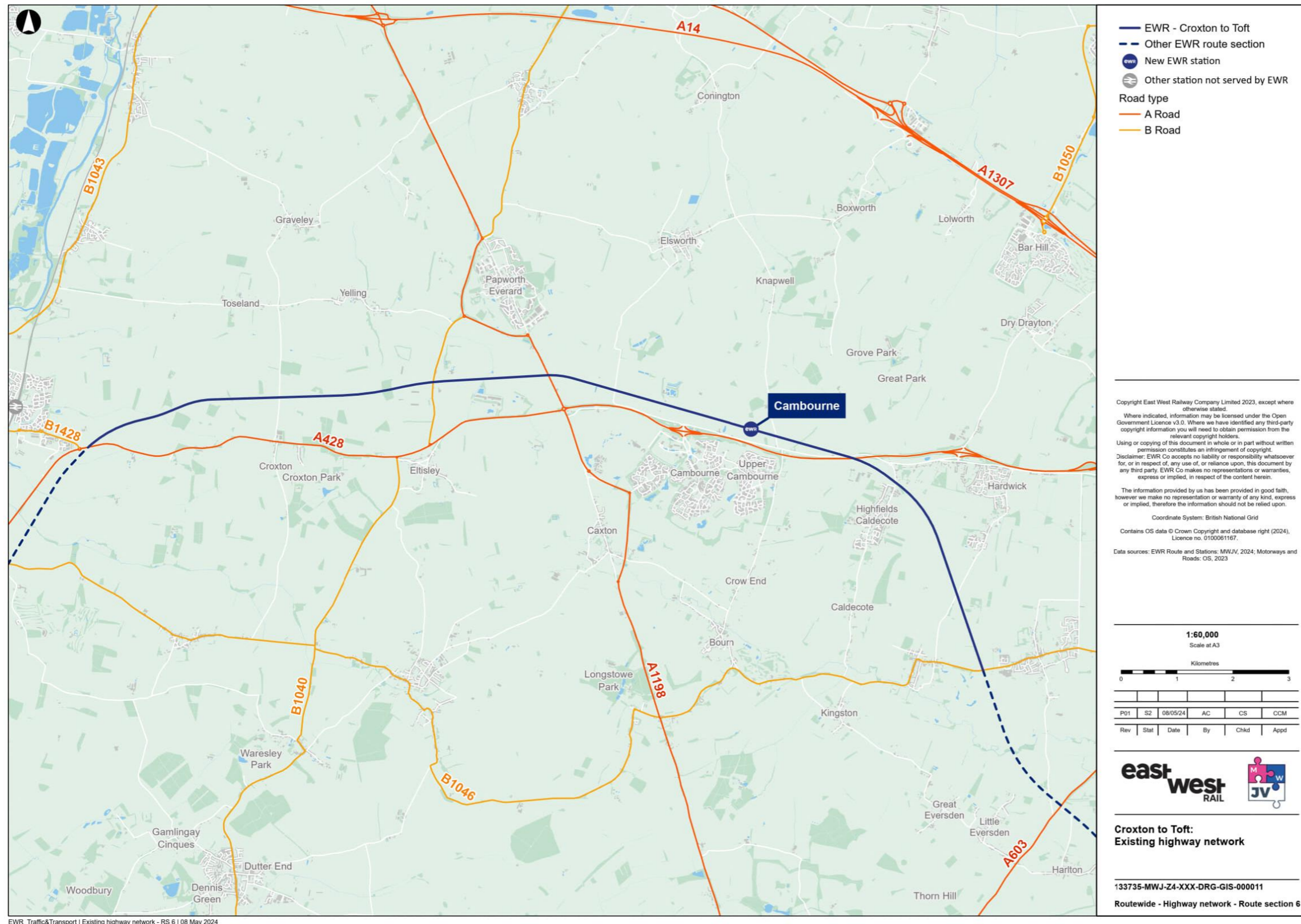
Figure 42 – Roxton to east of St Neots: Existing Highway Network.



EWRTraffic&Transport | Existing highway network - RS 5 | 17 May 2024



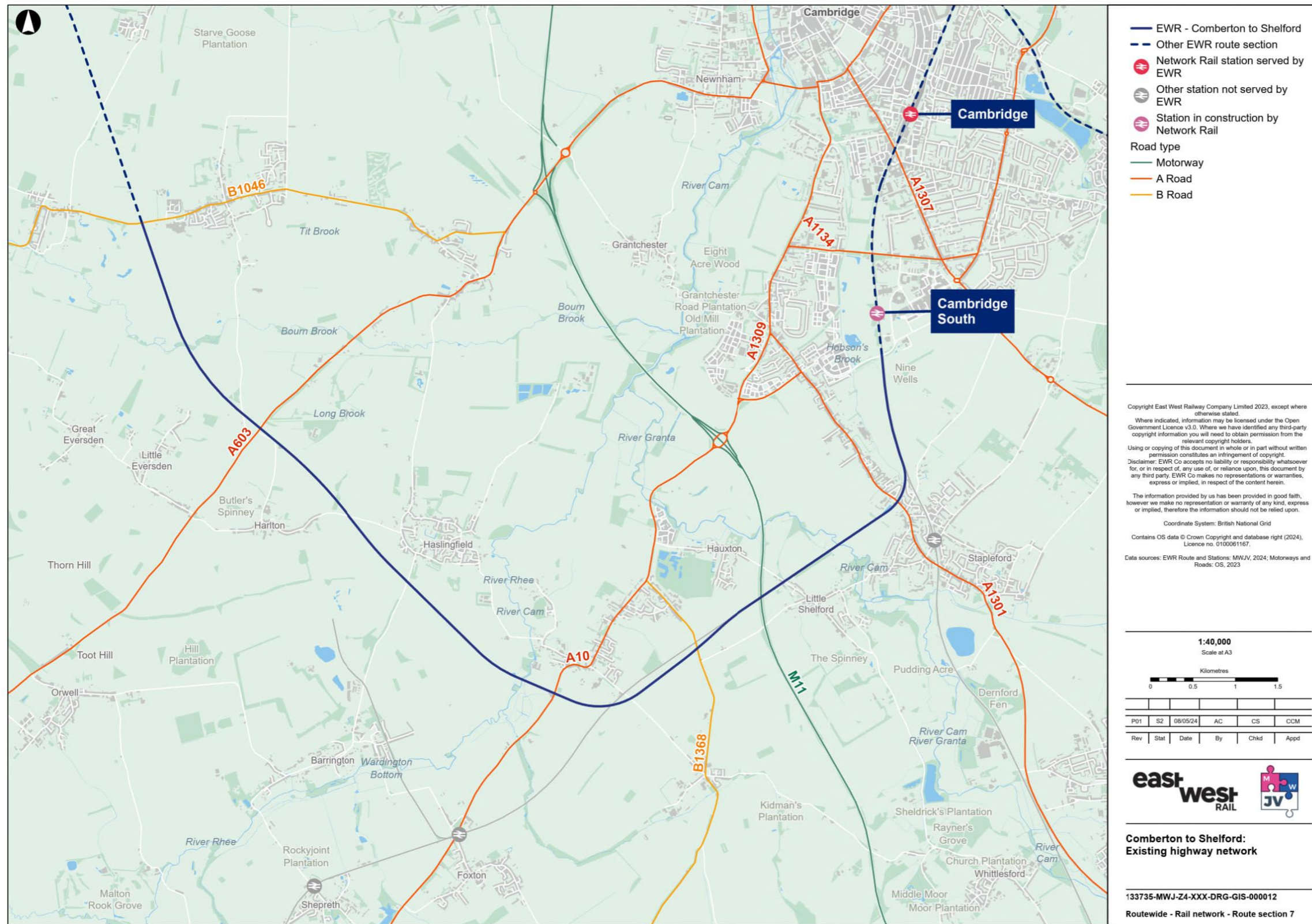
Figure 43 – Croxton to Toft: Existing Highway Network.



EWR\_Traffic&Transport | Existing highway network - RS 6 | 08 May 2024



Figure 44 – Comberton to Shelford: Existing Highway Network.



- EWR - Comberton to Shelford
- - - Other EWR route section
- Network Rail station served by EWR
- Other station not served by EWR
- Station in construction by Network Rail
- Road type
- Motorway
- A Road
- B Road

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**1:40,000**  
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P01	SZ	08/05/24	AC	CS	CCM
Rev	Stat	Date	By	Chkd	Appd

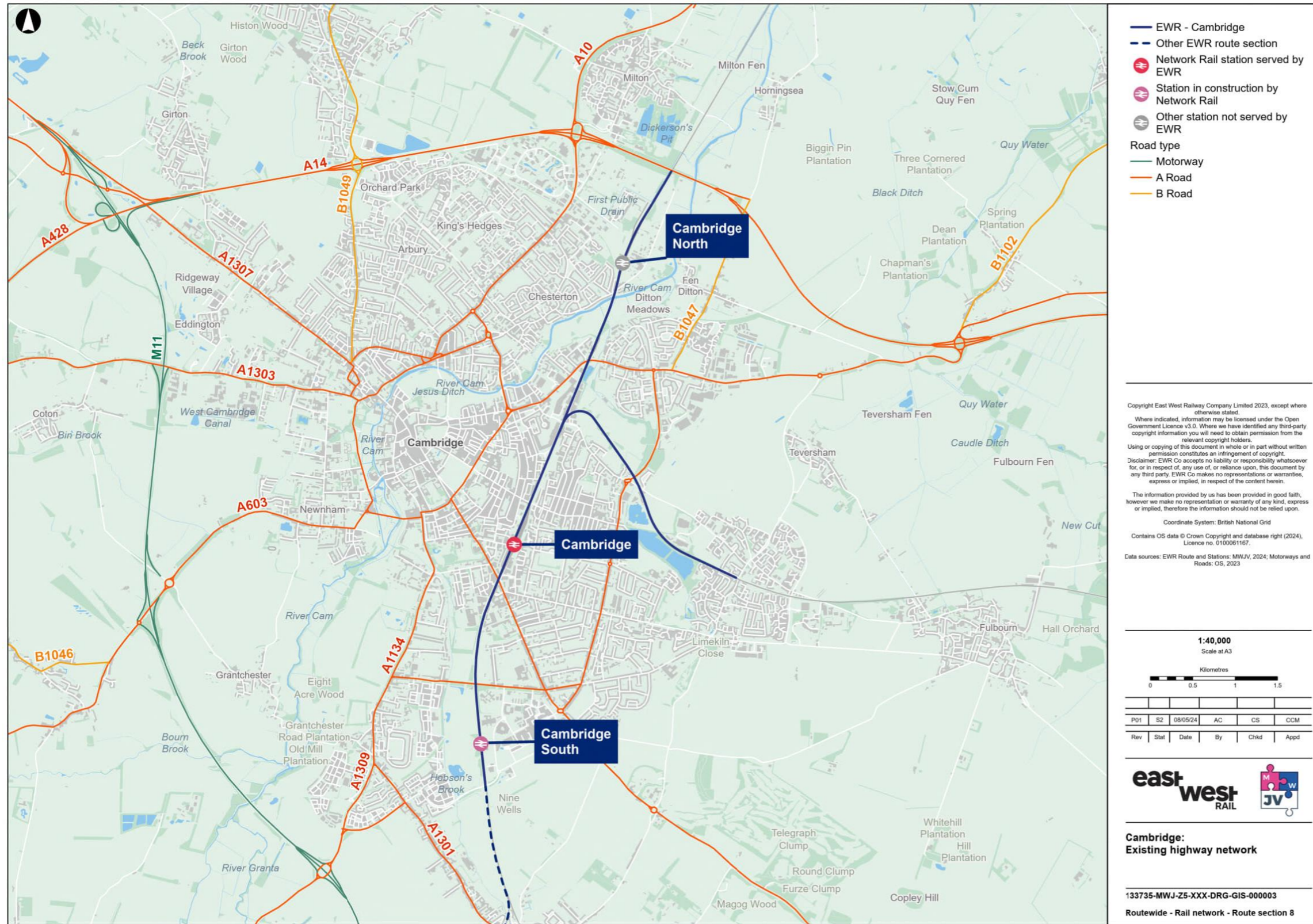


**Comberton to Shelford:  
 Existing highway network**

133735-MWJ-Z4-XXX-DRG-GIS-000012  
 Routewide - Rail network - Route section 7



Figure 45 – Cambridge: Existing Highway Network.



EWR\_Traffic&Transport | Existing highway network - RS 8 | 08 May 2024



Figure 46 – Oxford to Bletchley: Existing NMU Network.

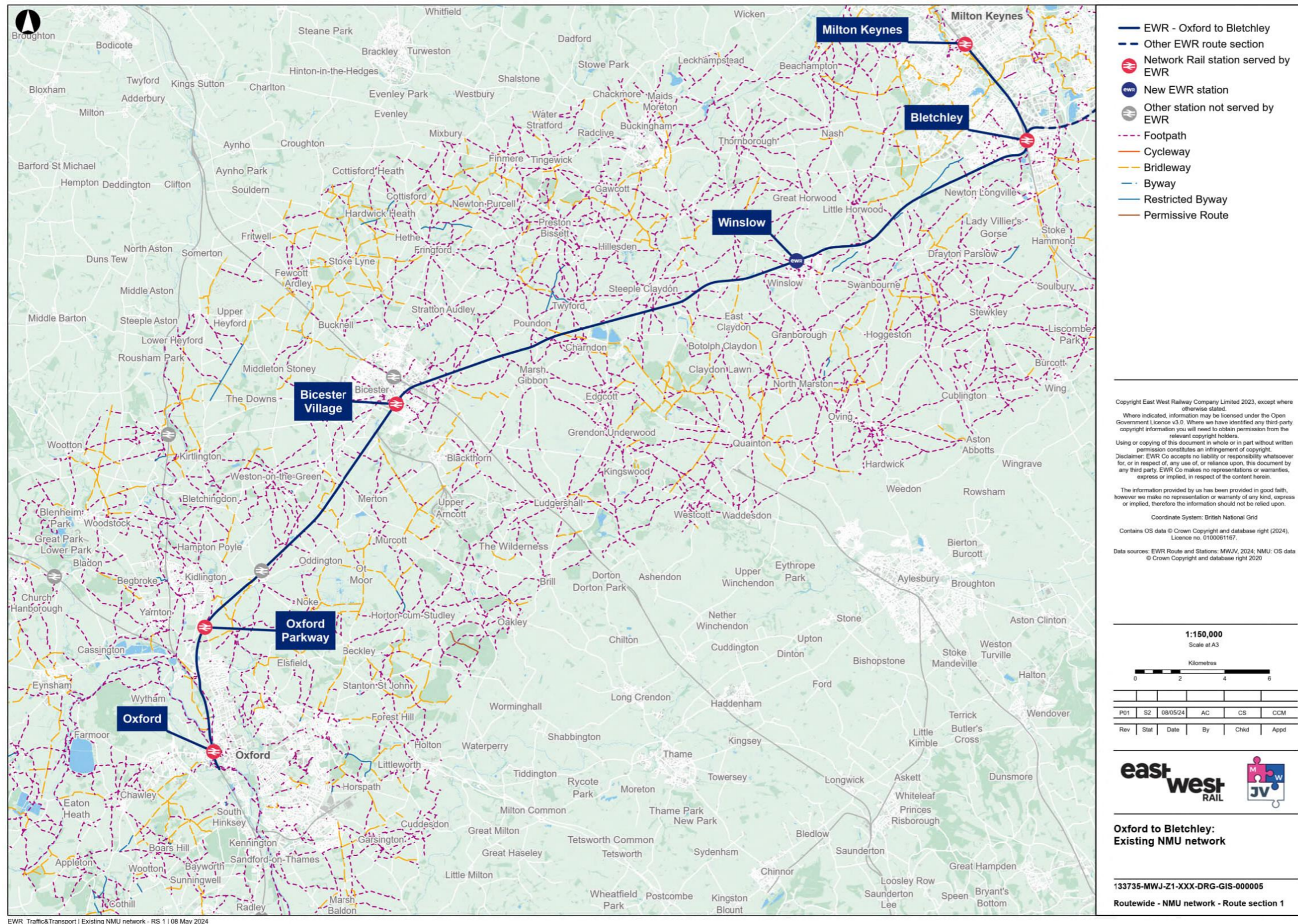
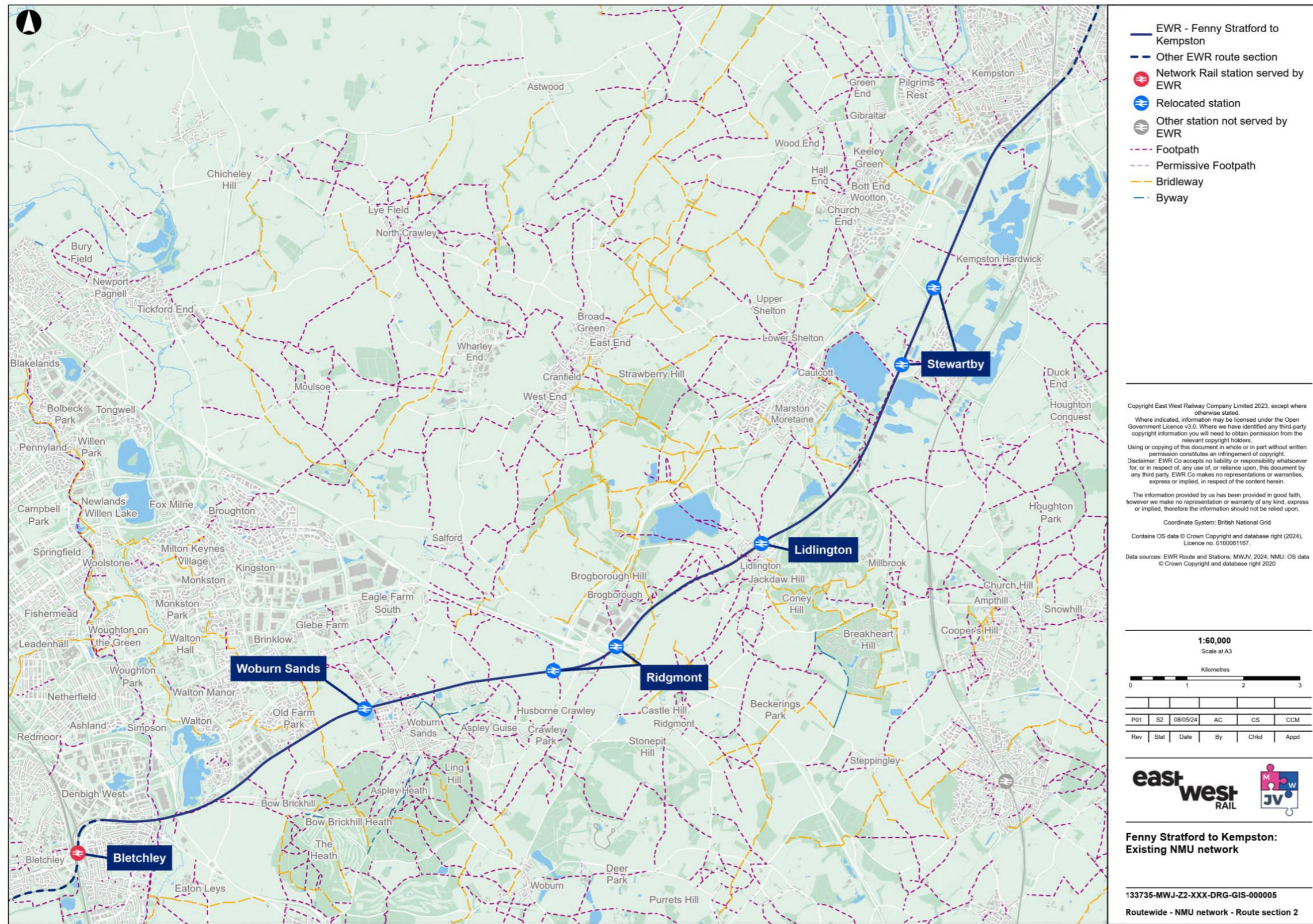




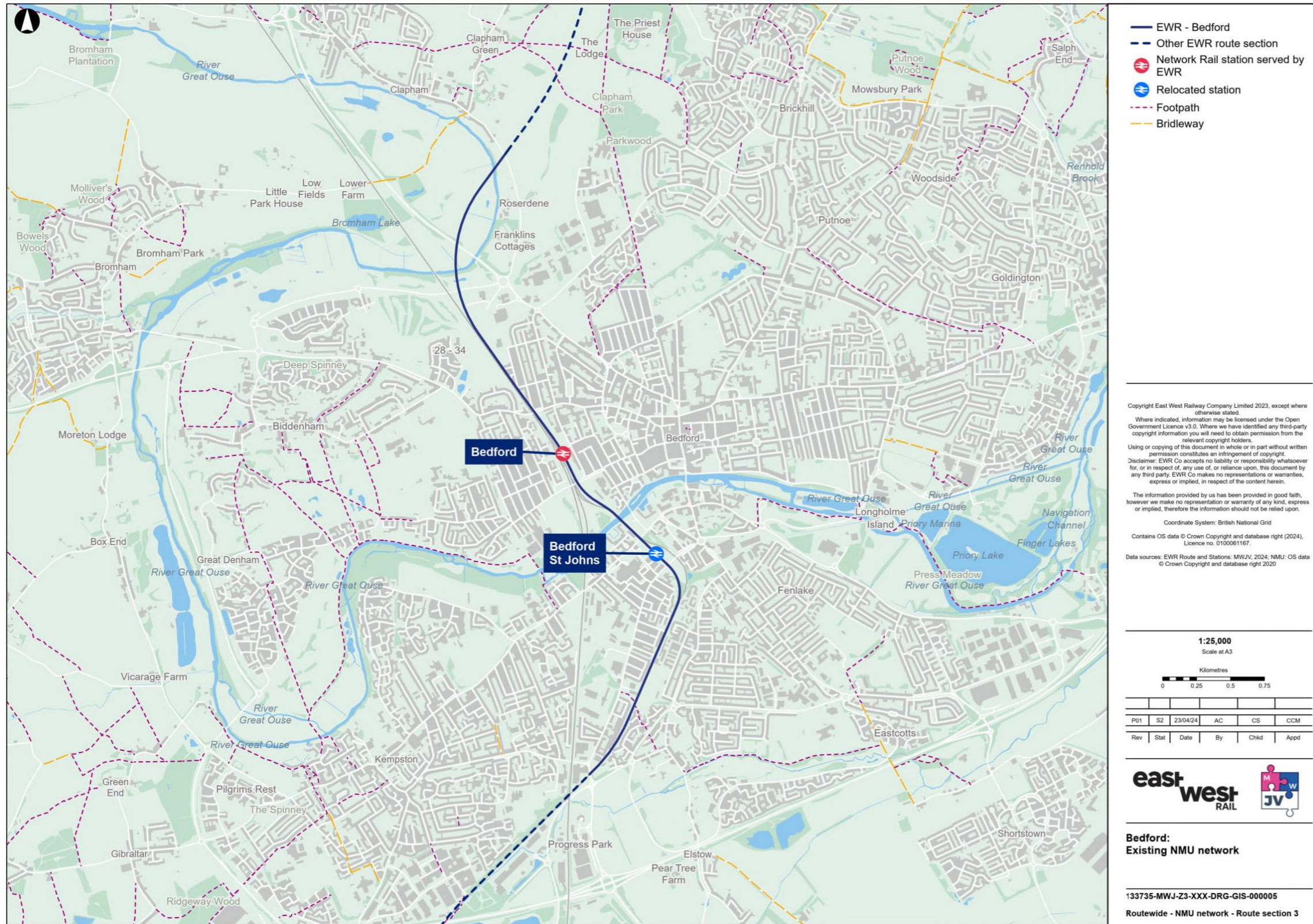
Figure 47 – Fenny Stratford to Kempston: Existing NMU Network.



EWR\_Traffic&Transport | Existing NMU network - RS 2 | 08 May 2024



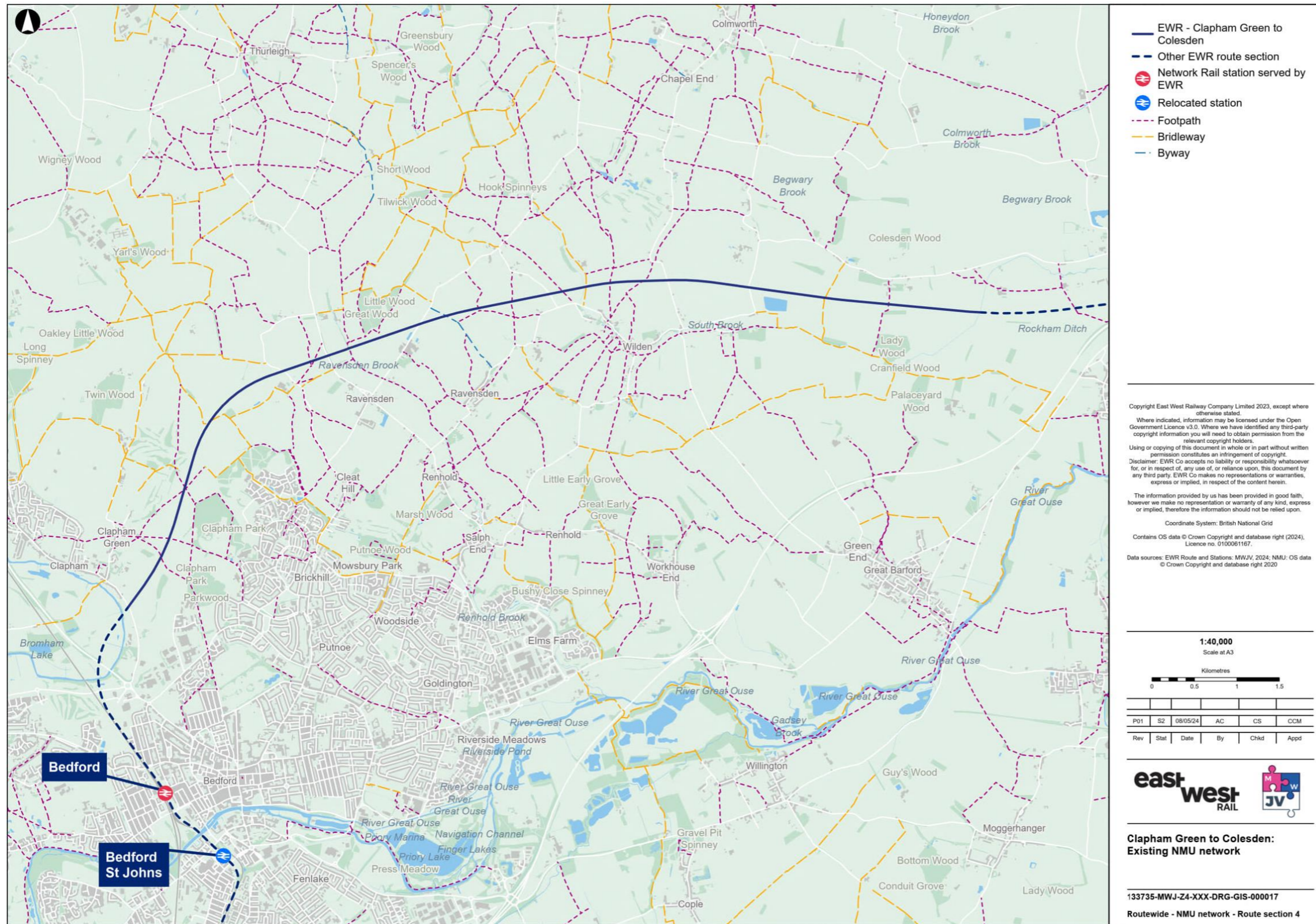
Figure 48 - Bedford: Existing NMU Network.



EWR\_Traffic&Transport | Existing NMU network - RS 3 | 08 May 2024



Figure 49 – Clapham Green to Colesden: Existing NMU Network.



EWR\_Traffic&Transport | Existing NMU network - RS 4 | 08 May 2024



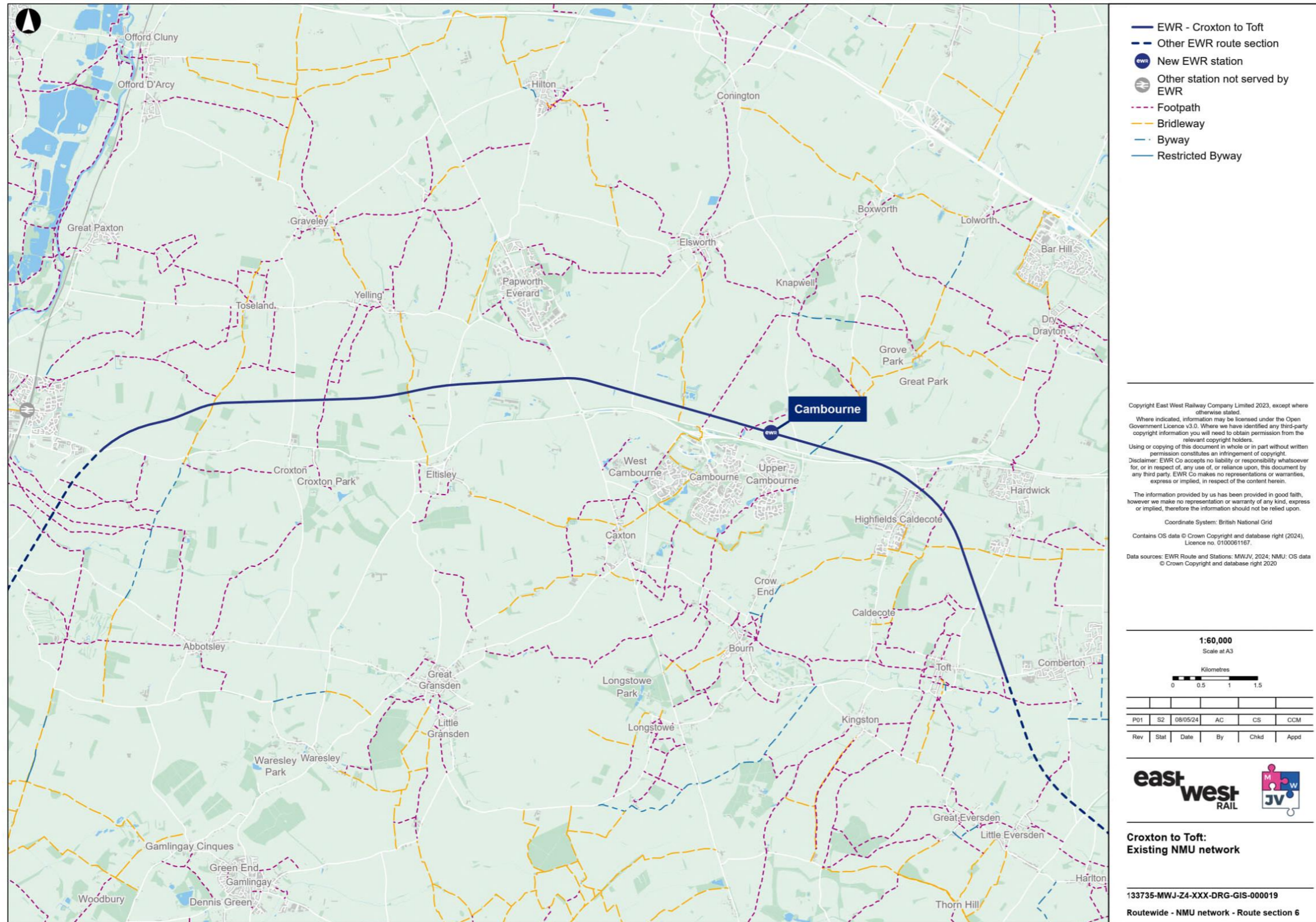
Figure 50 – Roxton to east of St Neots: Existing NMU Network.



EWRTraffic&Transport | Existing NMU network - RS 5 | 17 May 2024



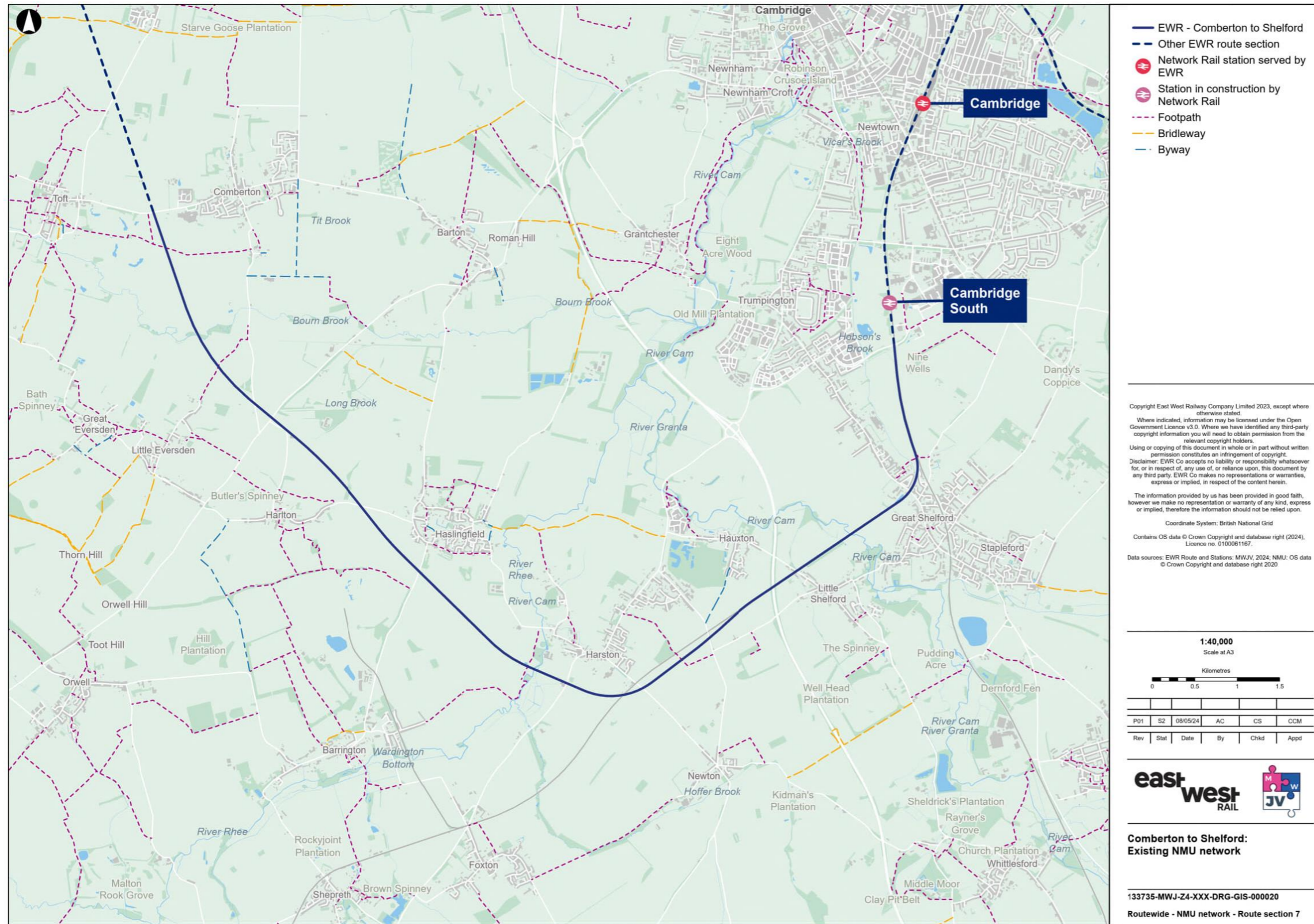
Figure 51 – Croxton to Toft: Existing NMU Network.



EWR\_Traffic&Transport | Existing NMU network - RS 6 | 08 May 2024



Figure 52 – Comberton to Shelford: Existing NMU Network.



EWR\_Traffic&Transport | Existing NMU network - RS 7 | 08 May 2024



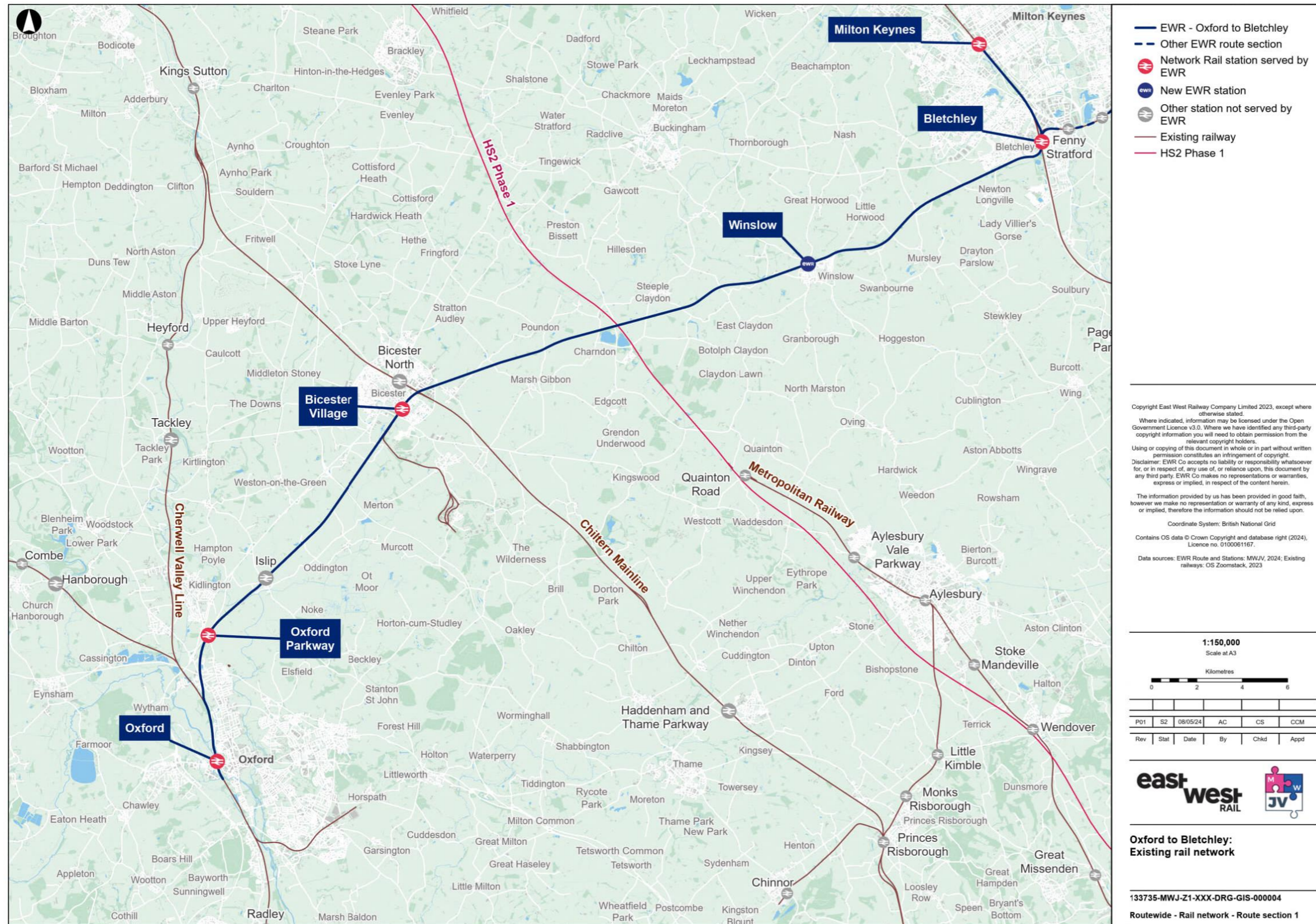
Figure 53 – Cambridge: Existing NMU Network.



EWR\_Traffic&Transport | Existing NMU network - RS 8 | 08 May 2024



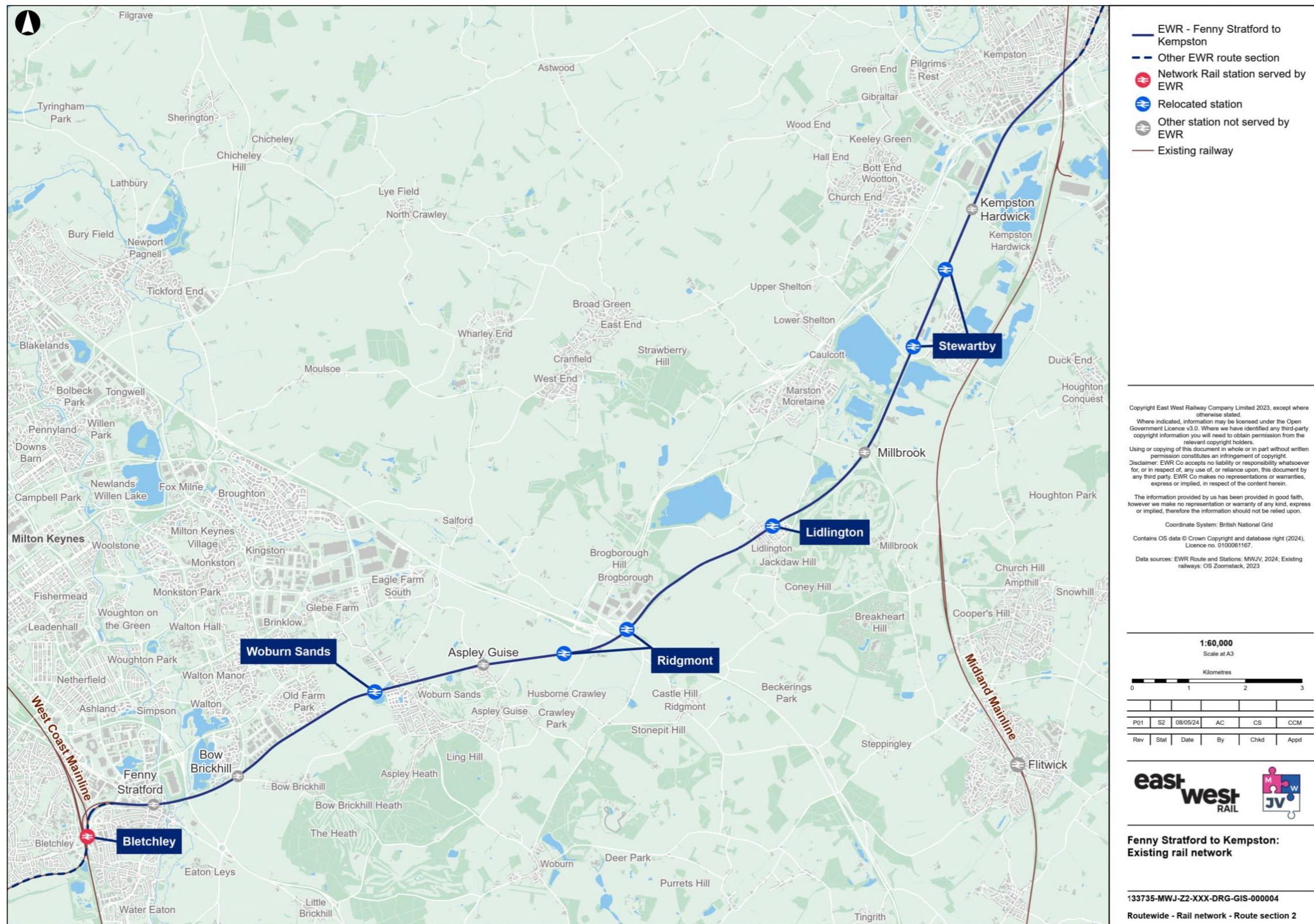
Figure 54 – Oxford to Bletchley: Existing Rail Network.



EWR\_Traffic&Transport | Existing rail network - RS 1 | 08 May 2024



Figure 55 – Fenny Stratford to Kempston: Existing Rail Network.



- EWR - Fenny Stratford to Kempston
- - - Other EWR route section
- Network Rail station served by EWR
- Relocated station
- Other station not served by EWR
- Existing railway

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1:60,000  
 Scale at A3

Kilometres

0 1 2 3

P01	S2	08/05/24	AC	CS	CCM
Rev	Stat	Date	By	Chkd	Appd



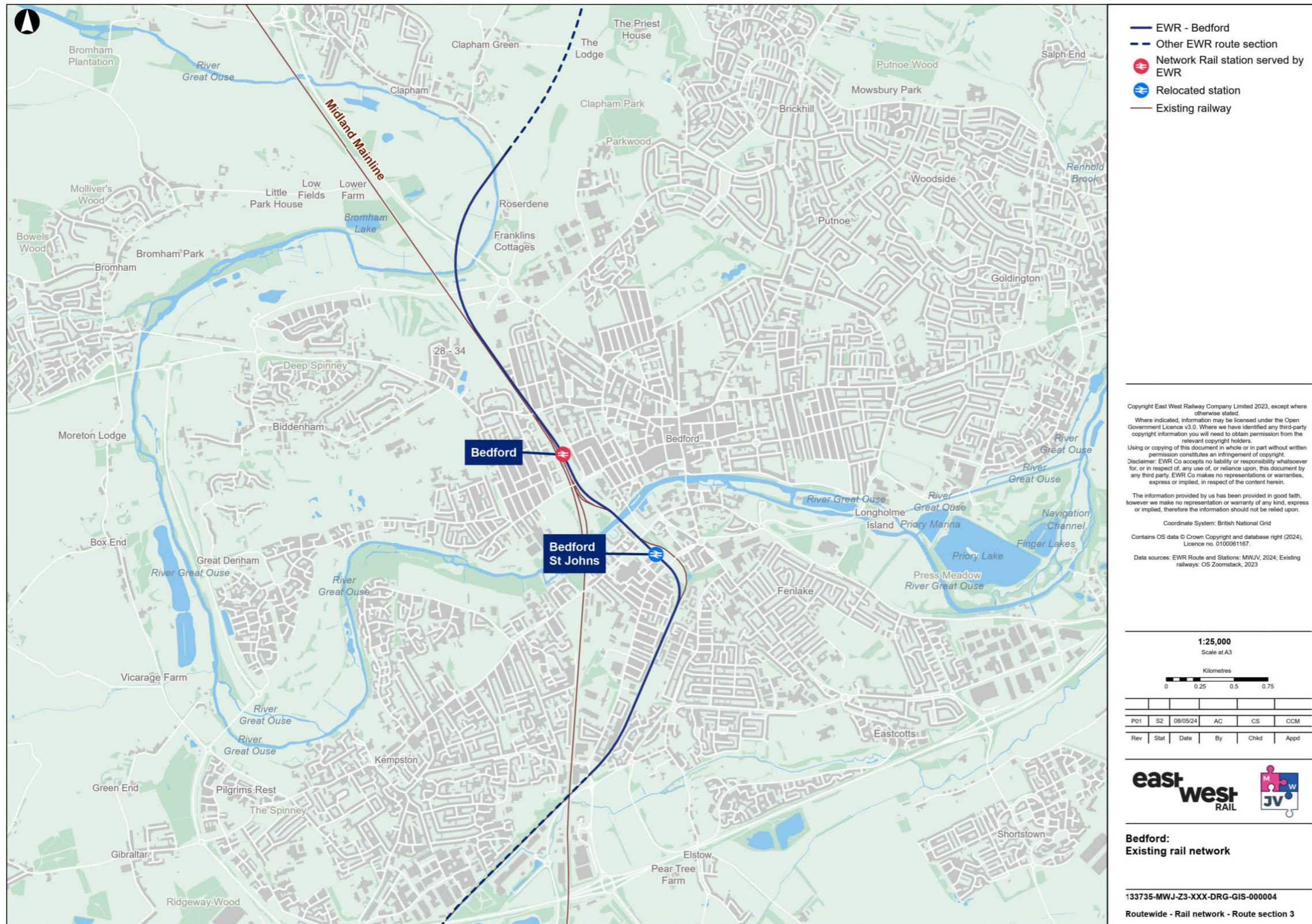
**Fenny Stratford to Kempston:  
 Existing rail network**

133735-MWJ-Z2-XXX-DRG-GIS-000004  
 Routewide - Rail network - Route section 2

EWR\_Traffic&Transport | Existing rail network - RS 2 | 08 May 2024



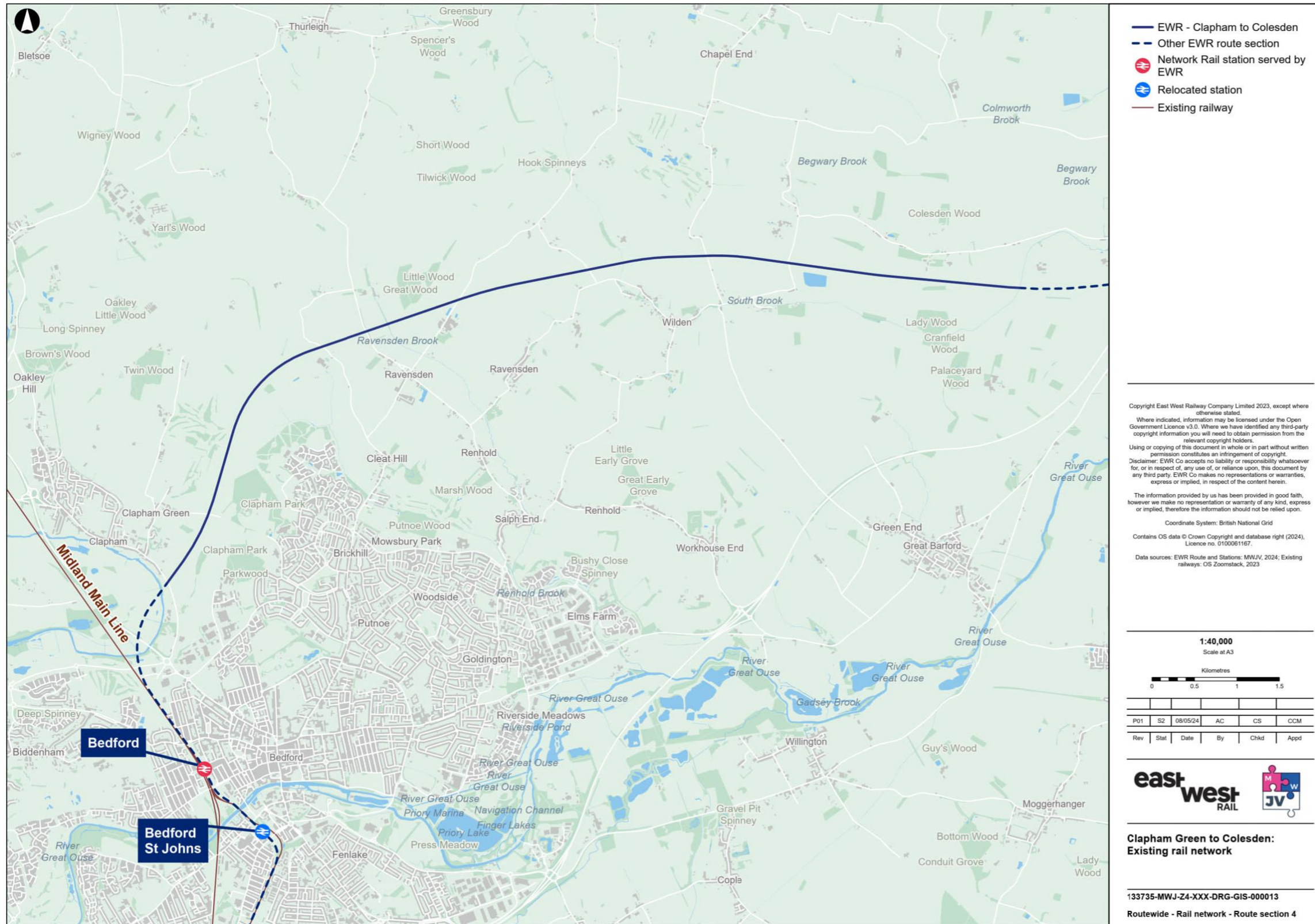
Figure 56 – Bedford: Existing Rail Network.



EWR\_Traffic&Transport | Existing rail network - RS 3 | 08 May 2024



Figure 57 – Clapham Green to Colesden: Existing Rail Network.



EWR\_Traffic&Transport | Existing rail network - RS 4 | 08 May 2024



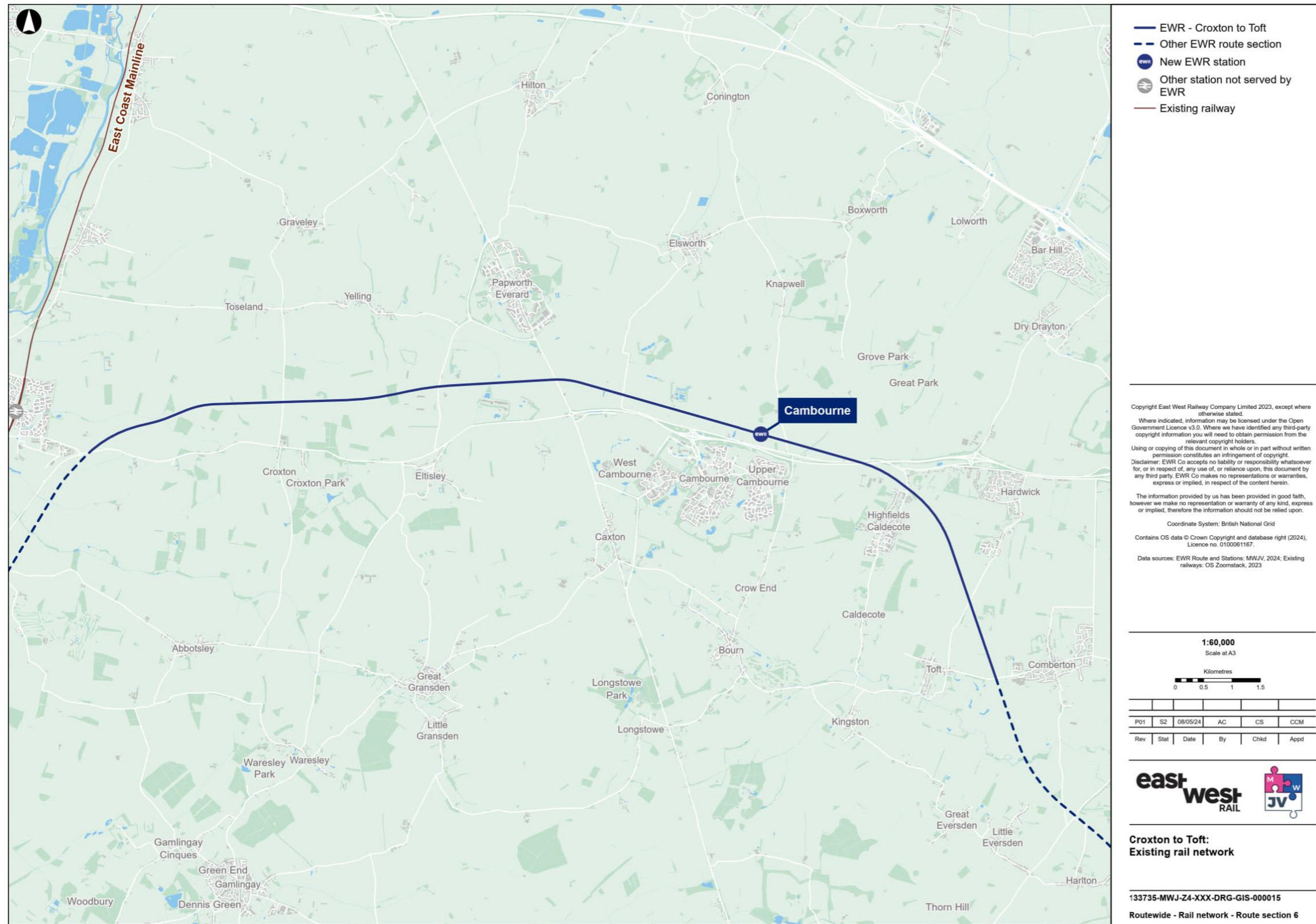
Figure 58 – Roxton to east of St Neots: Existing Rail Network.



EWJ\_Traffic&Transport | Existing rail network - RS 5 | 17 May 2024



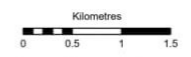
Figure 59 – Croxton to Toft: Existing Rail Network.



- EWR - Croxton to Toft
- - - Other EWR route section
- New EWR station
- Other station not served by EWR
- Existing railway

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 Data sources: EWR Route and Stations: MWJV, 2024; Existing railways: OS Zoomstack, 2023

1:60,000  
 Scale at A3



P01	SZ	08/05/24	AC	CS	CCM
Rev	Stat	Date	By	Chkd	Appd



**Croxton to Toft:  
 Existing rail network**

133735-MWJ-Z4-XXX-DRG-GIS-000015  
 Routewide - Rail network - Route section 6

EWR\_Traffic&Transport | Existing rail network - RS 6 | 08 May 2024



Figure 60 – Comberton to Shelford: Existing Rail Network.



EWR\_Traffic&Transport | Existing rail network - RS 7 | 08 May 2024



Figure 61 – Cambridge: Existing Rail Network.



EWR\_Traffic&Transport | Existing rail network - RS 8 | 08 May 2024

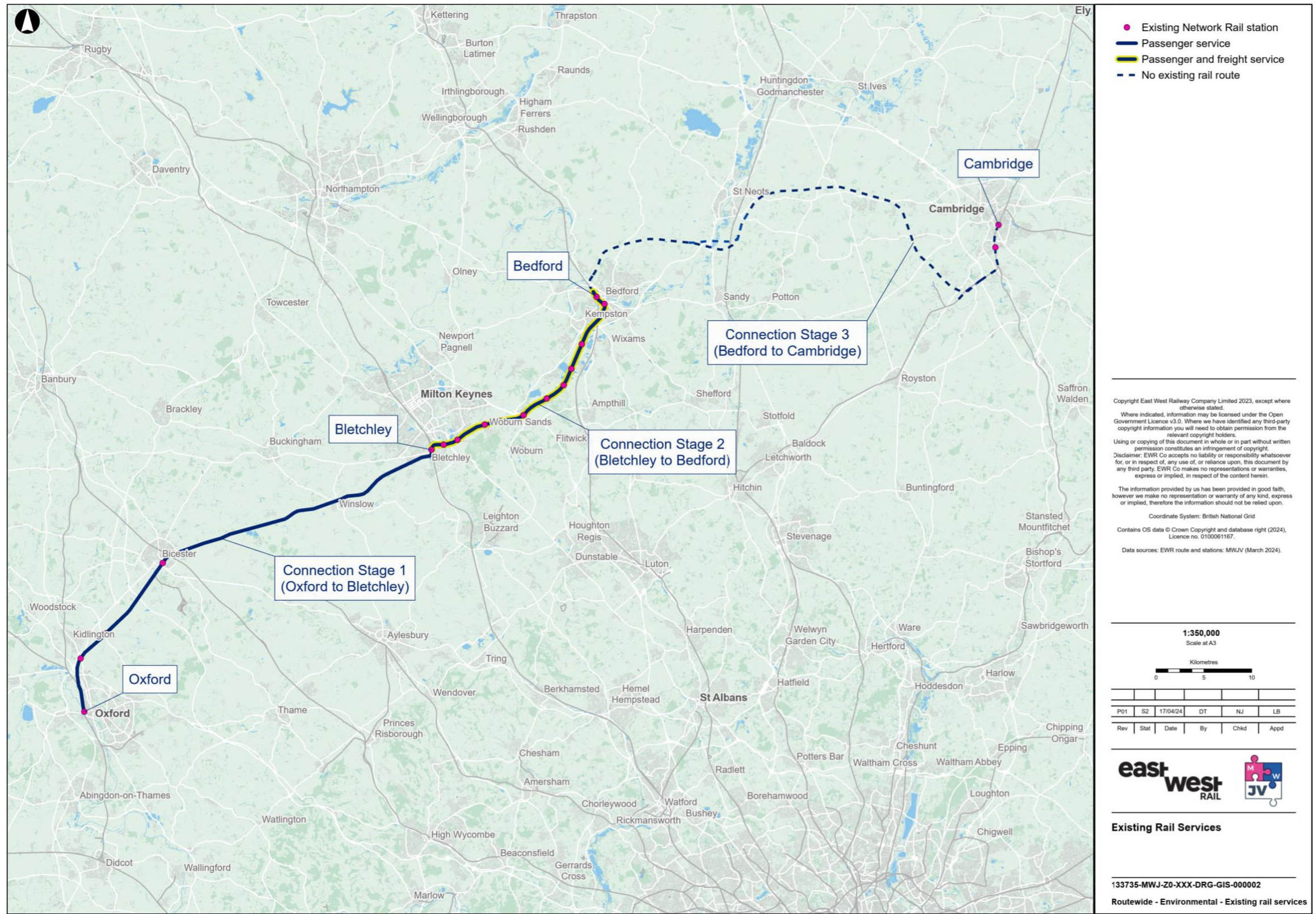


### 3. The natural environment

#### 3.1. Carbon



Figure 62 – Existing Rail Services.



EWR\_Carbon | EWR\_Carbon\_ExistingRailServices | 19 Apr 2024



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## 3.2. Resources and waste



Figure 63 – Resources and Waste Second Study Area.

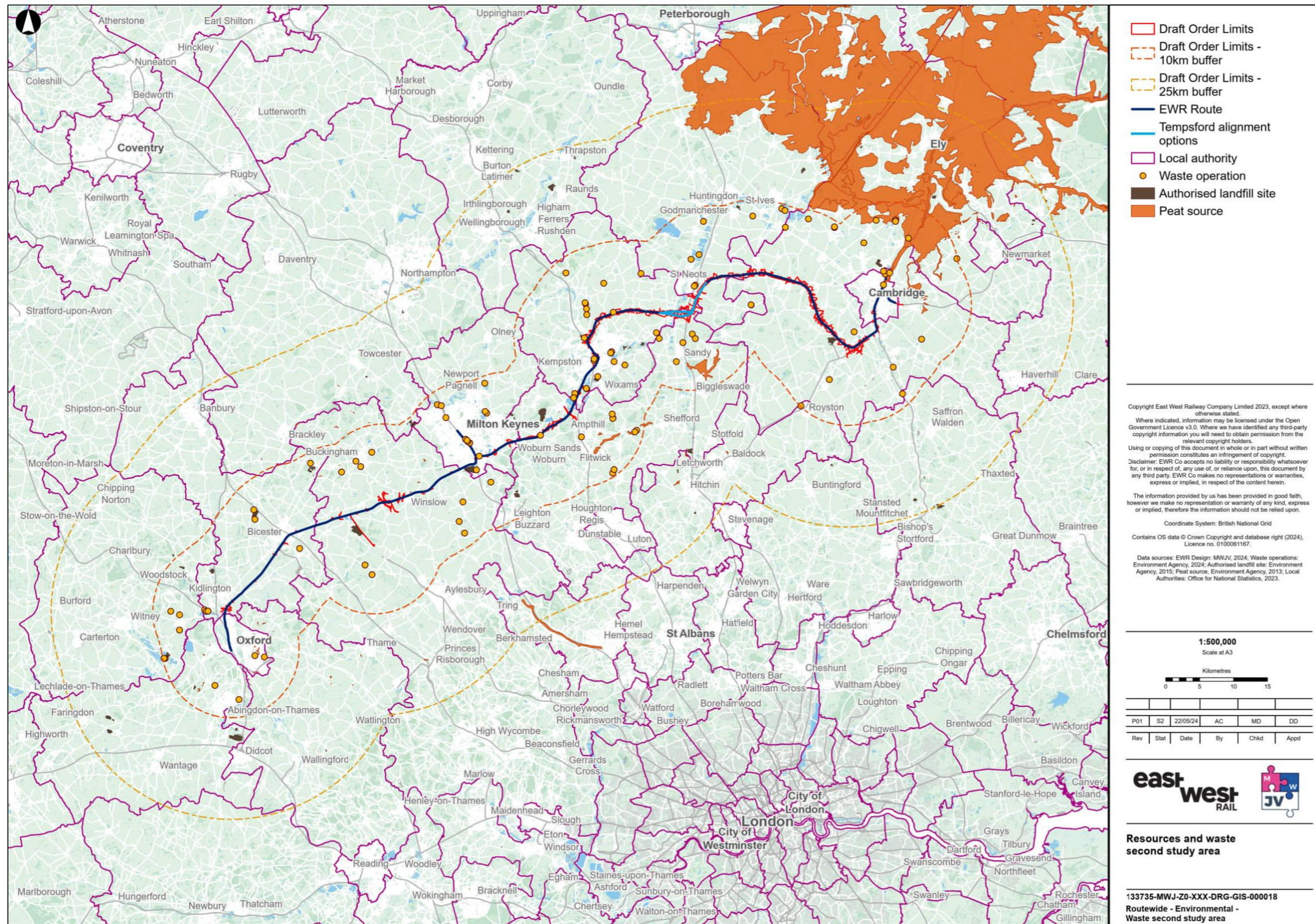
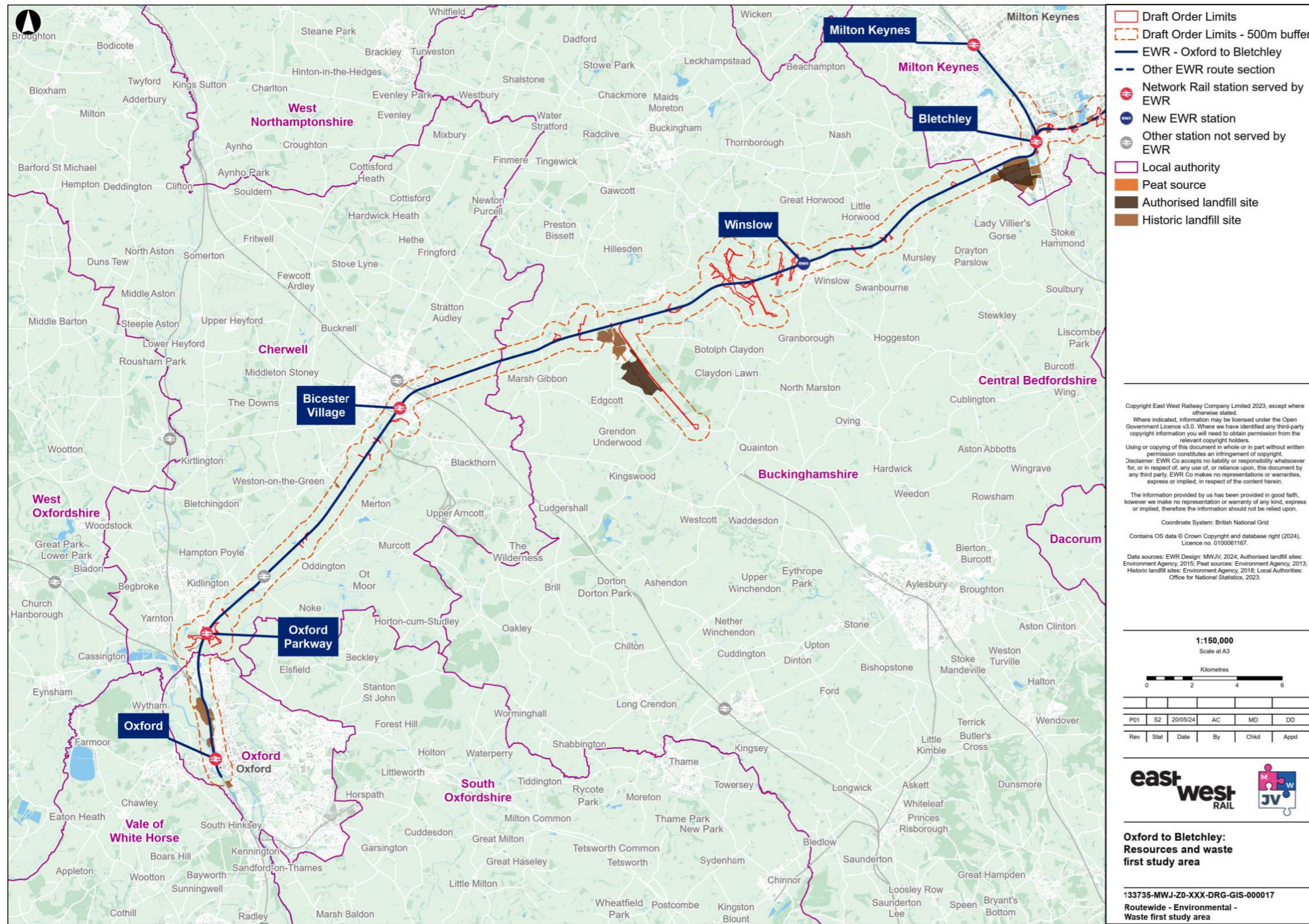




Figure 64 – Oxford to Bletchley: Resources and Waste First Study Area.



EWR Waste | Waste 500m Buffer - Oxford to Bletchley | 20 May 2024

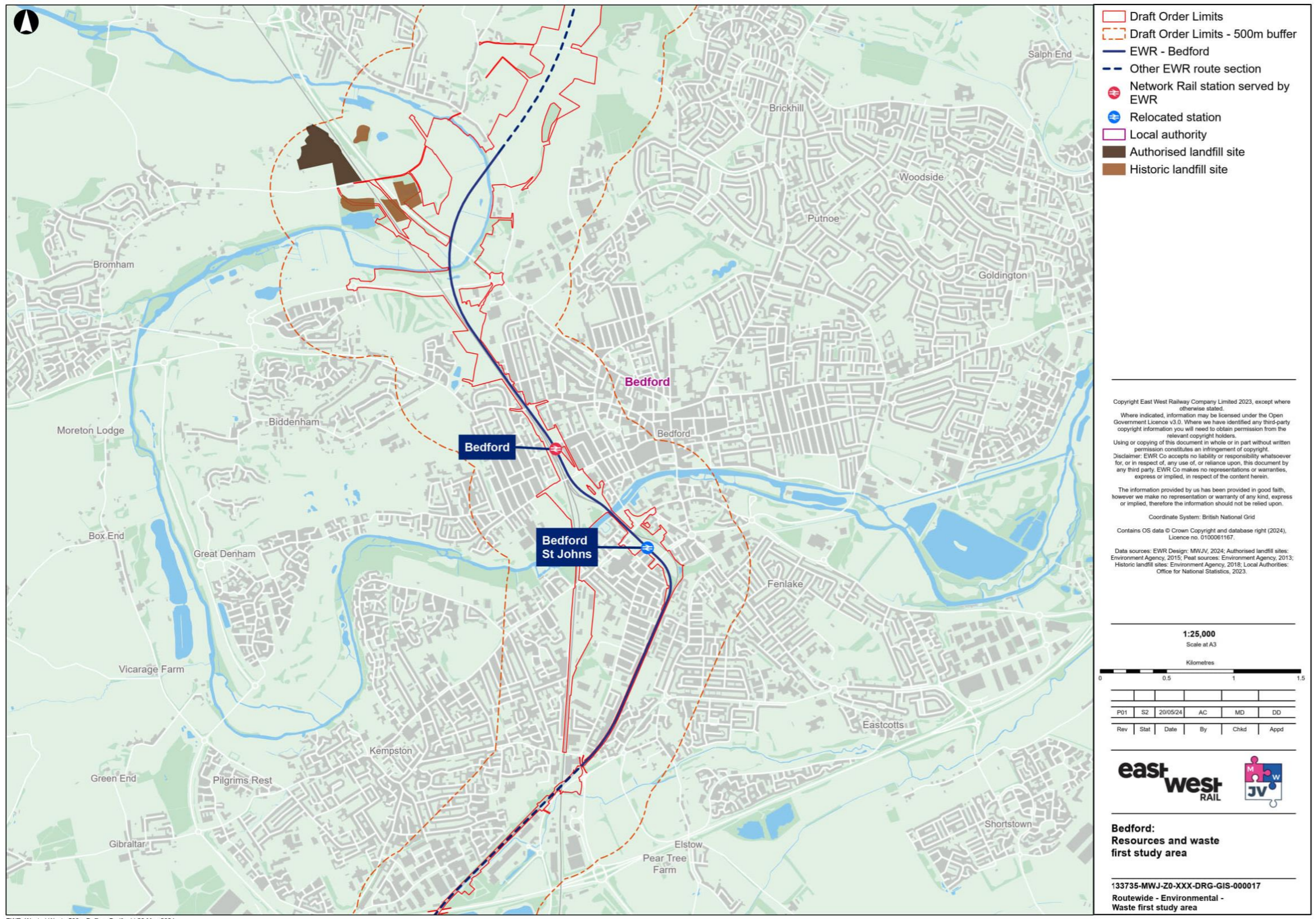


Figure 65 – Fenny Stratford to Kempston: Resources and Waste First Study Area.





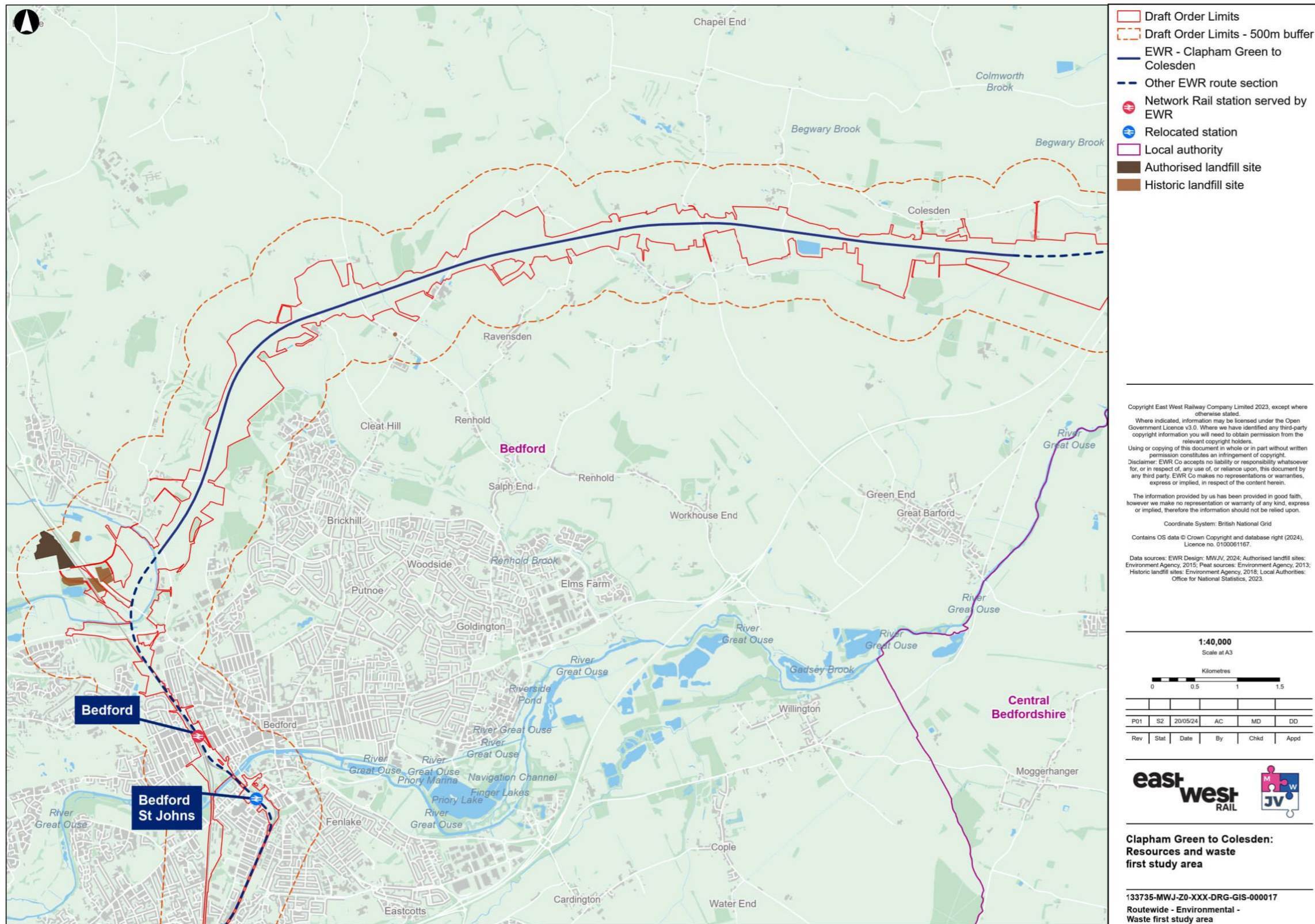
Figure 66 – Bedford: Resources and Waste First Study Area.



EWR\_Waste | Waste 500m Buffer - Bedford | 20 May 2024



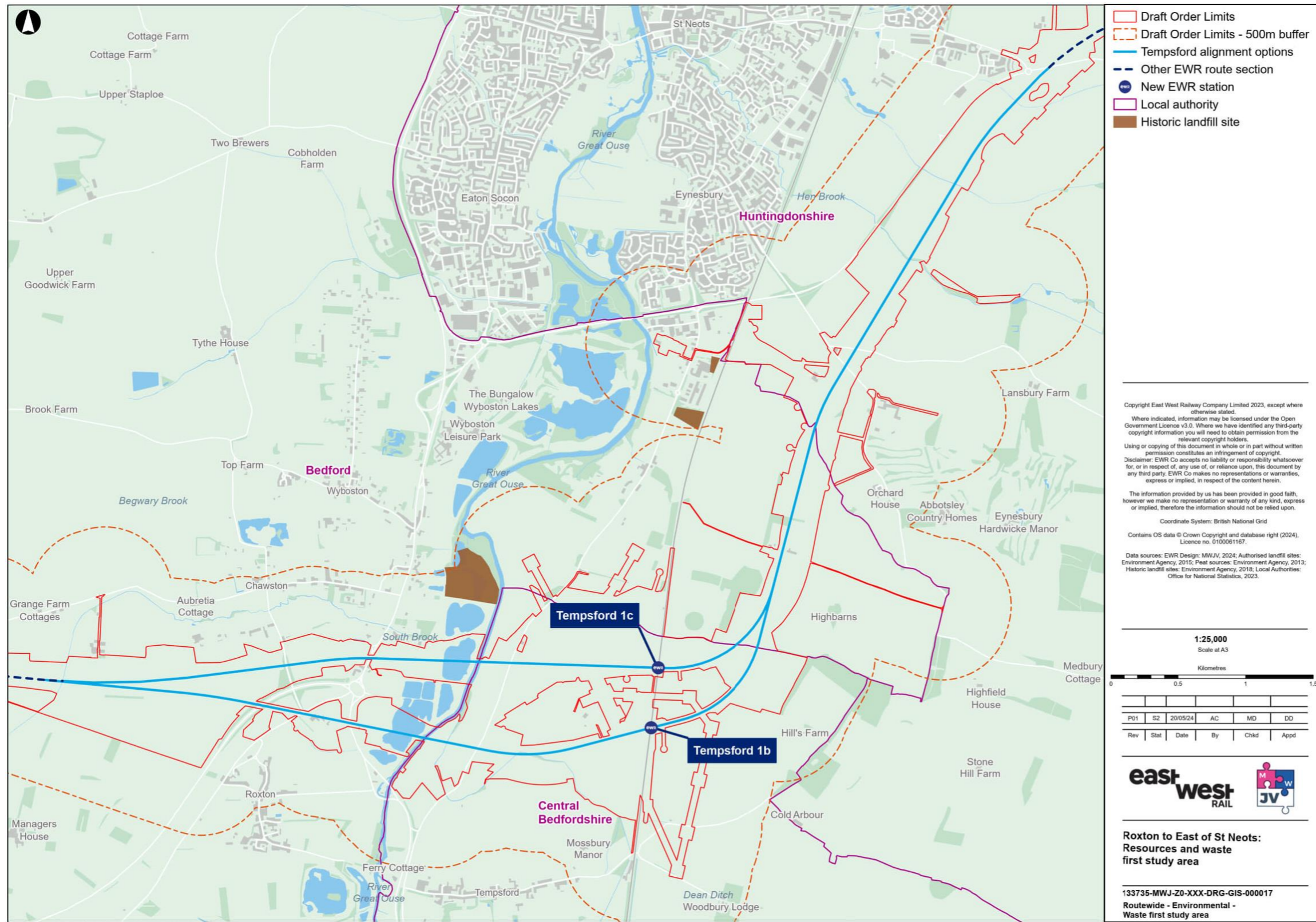
Figure 67 – Clapham Green to Colesden: Resources and Waste First Study Area.



EWR\_Waste | Waste 500m Buffer - Clapham Green to Colesden | 20 May 2024



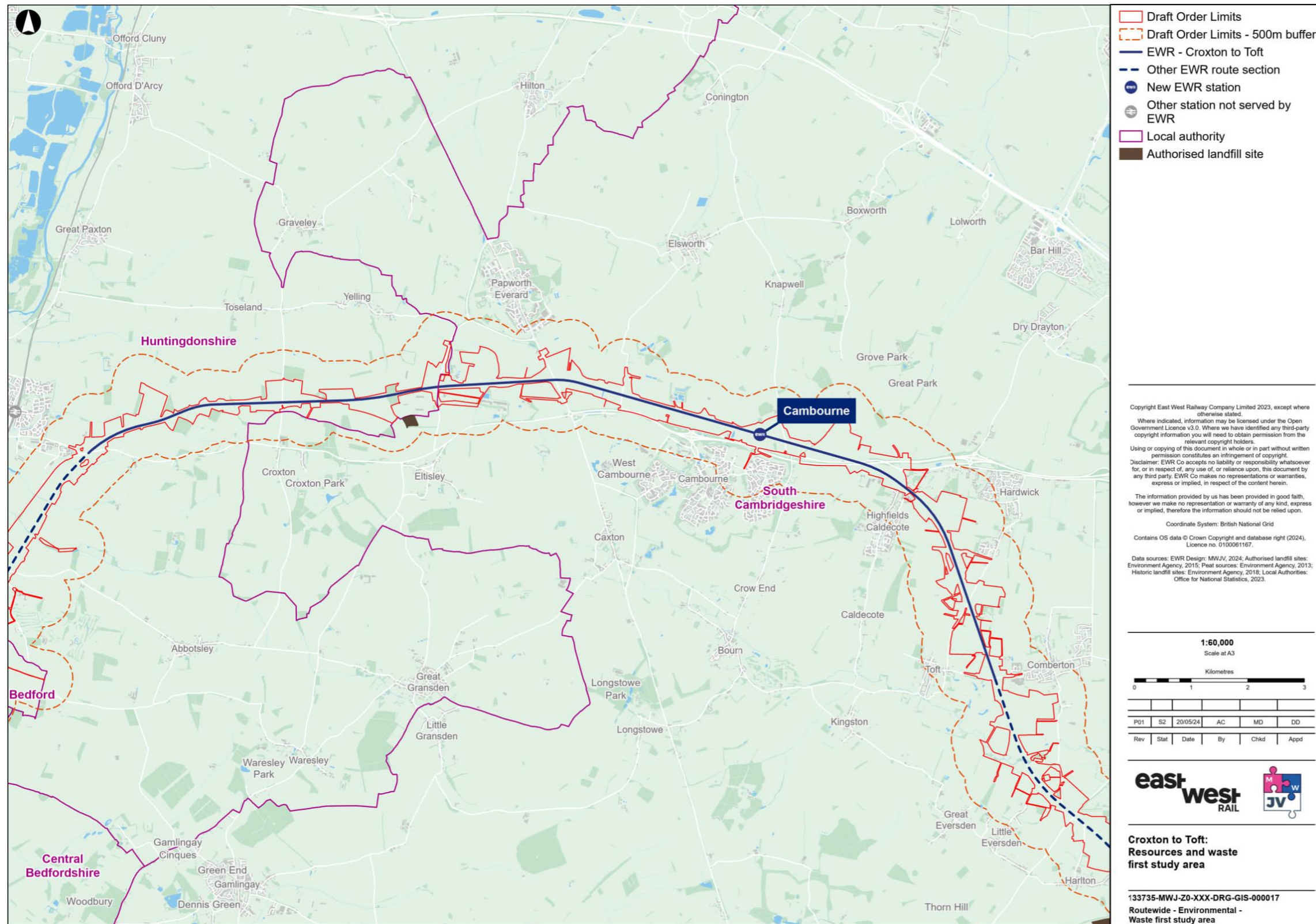
Figure 68 – Roxton to east of St Neots: Resources and Waste First Study Area.



EWR\_Waste | Waste 500m Buffer - Roxton to East of St Neots | 20 May 2024



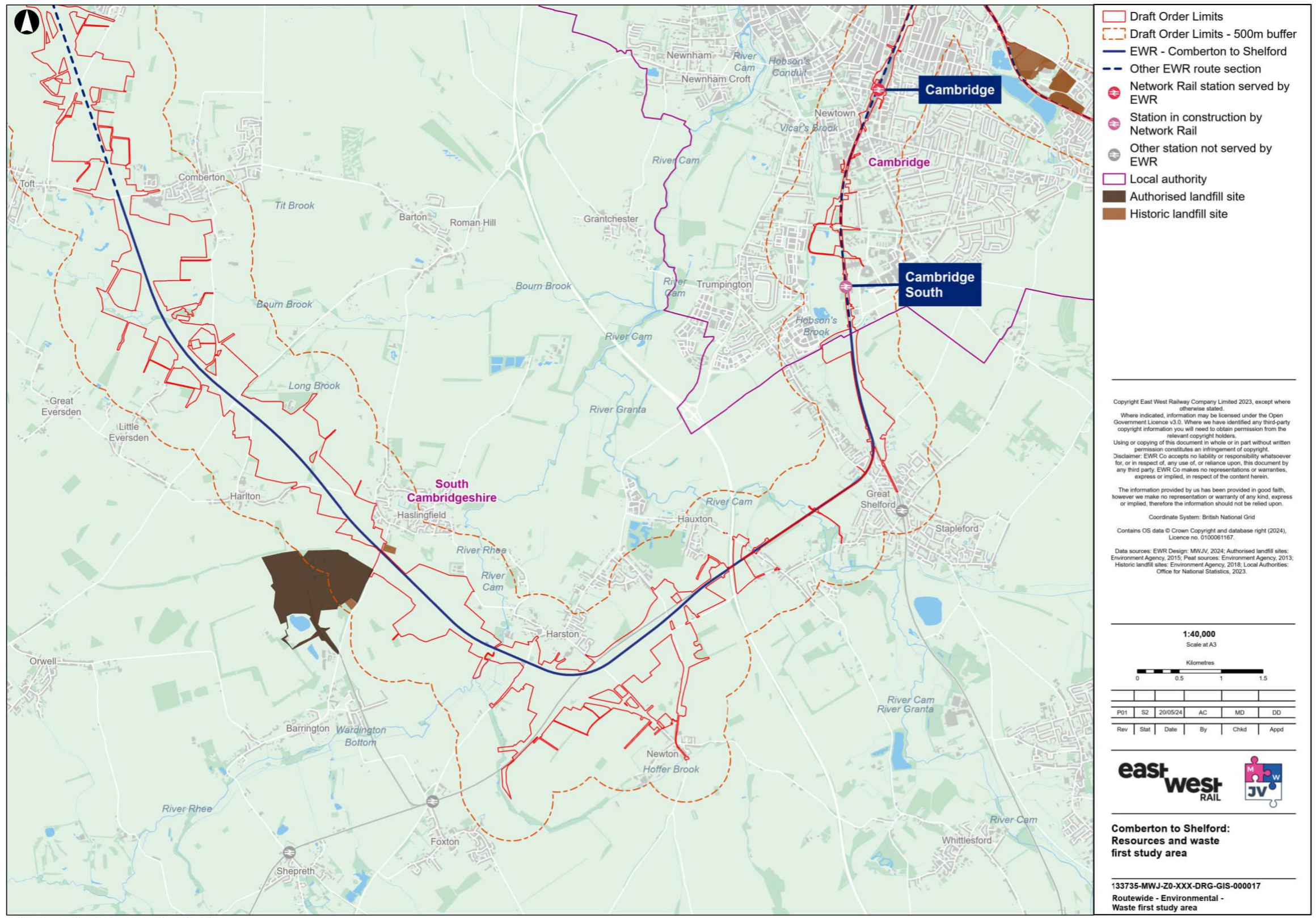
Figure 69 – Croxton to Toft: Resources and Waste First Study Area.



EWR\_Waste | Waste 500m Buffer - Croxton to Toft | 20 May 2024



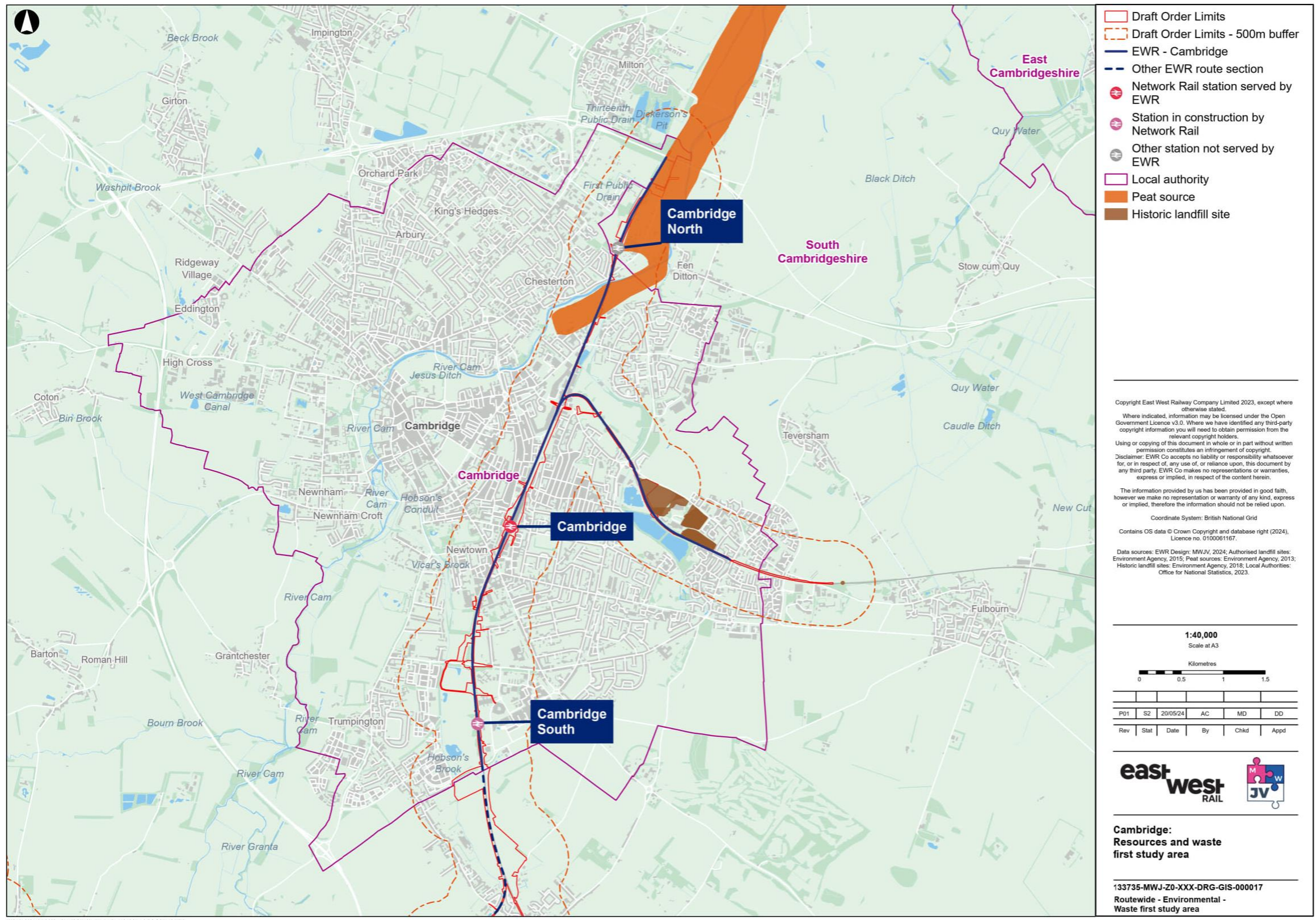
Figure 70 – Comberton to Shelford: Resources and Waste First Study Area.



EWR\_Waste | Waste 500m Buffer - Comberton to Shelford | 20 May 2024



Figure 71 – Cambridge: Resources and Waste First Study Area.



EWR\_Waste | Waste 500m Buffer - Cambridge | 20 May 2024

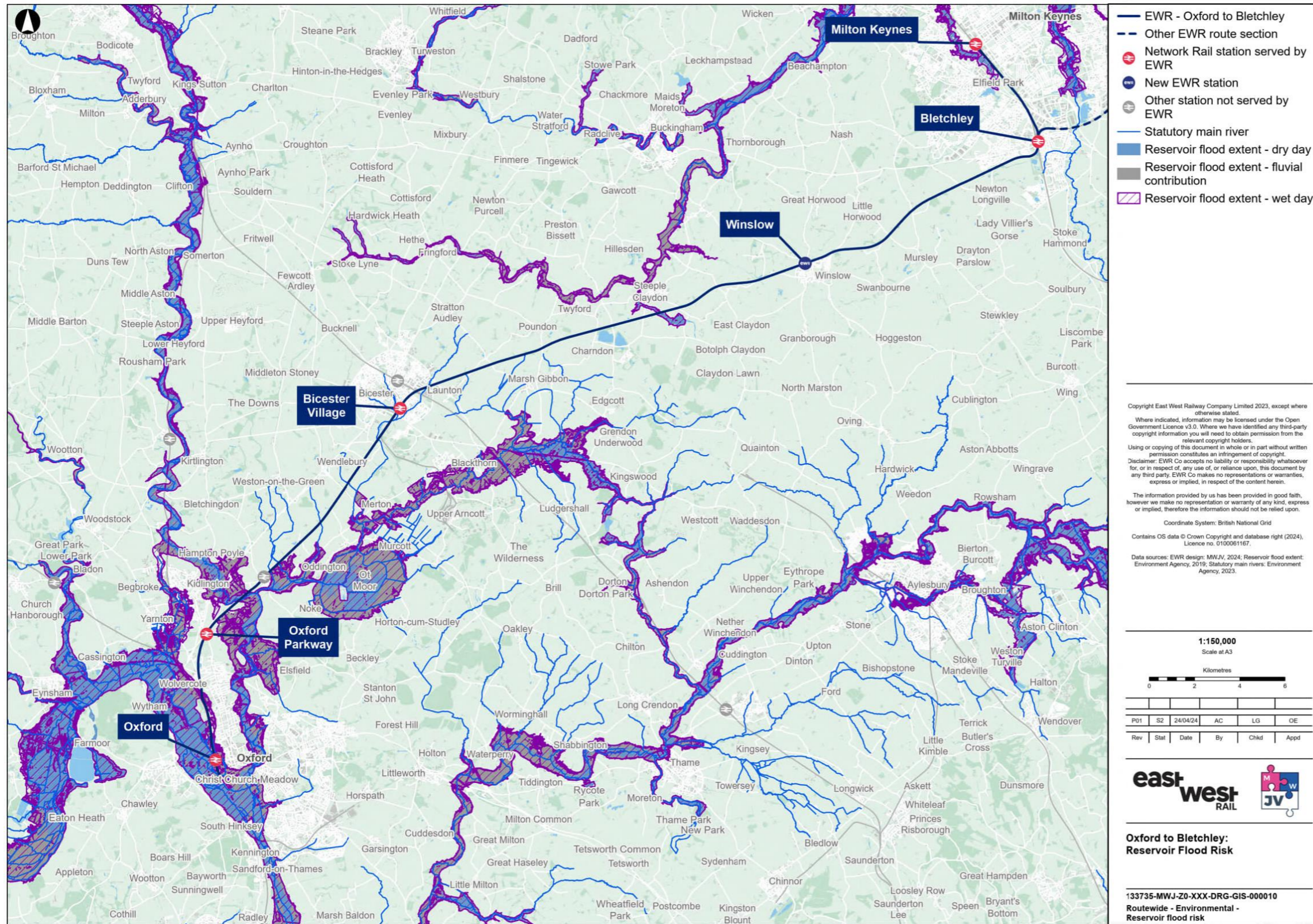


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### 3.3. Flood risk



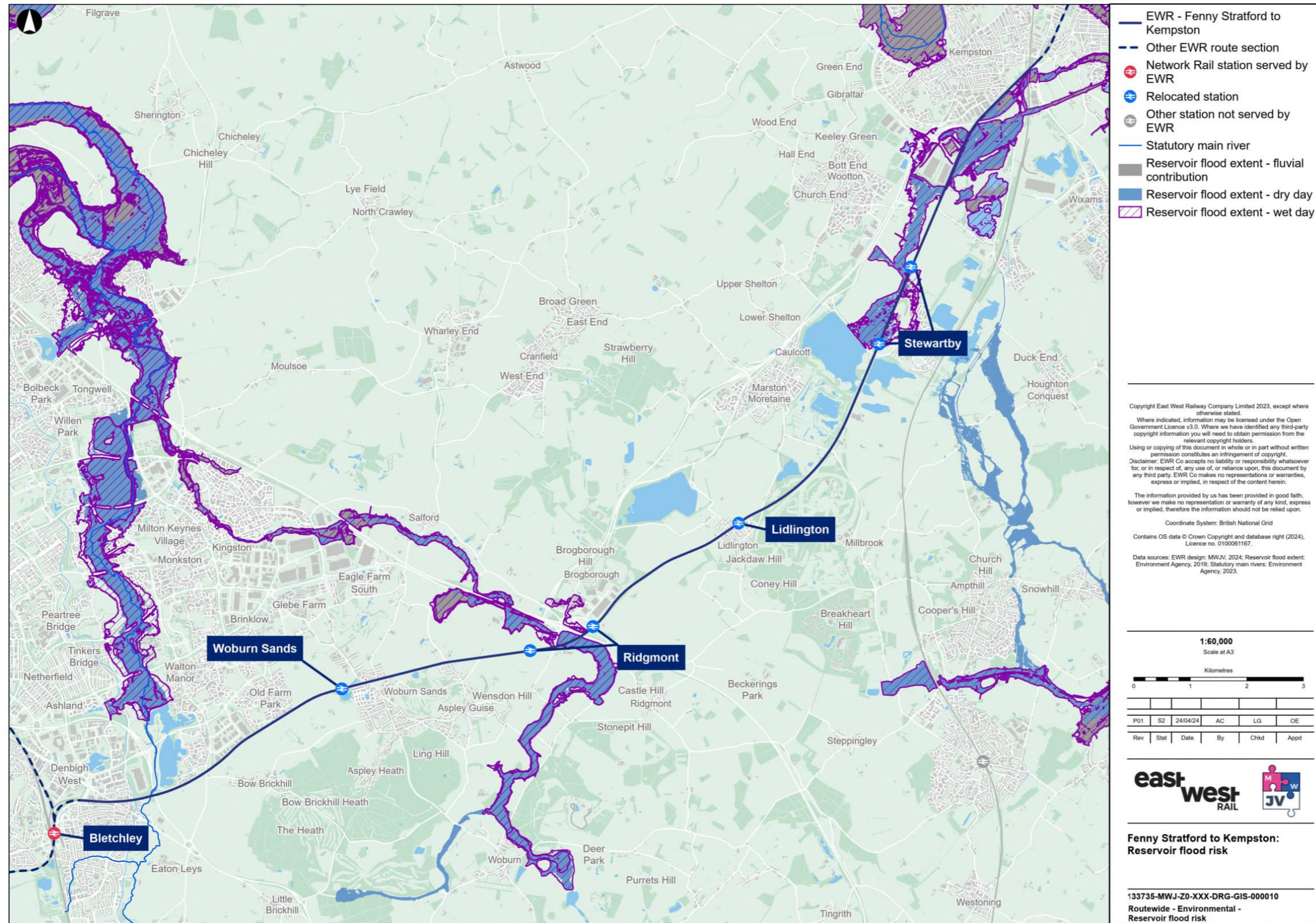
Figure 72 – Oxford to Bletchley: Reservoir Flood Risk.



EWR\_FloodRisk | Flood Risk from Reservoir - RS 1 | 08 May 2024



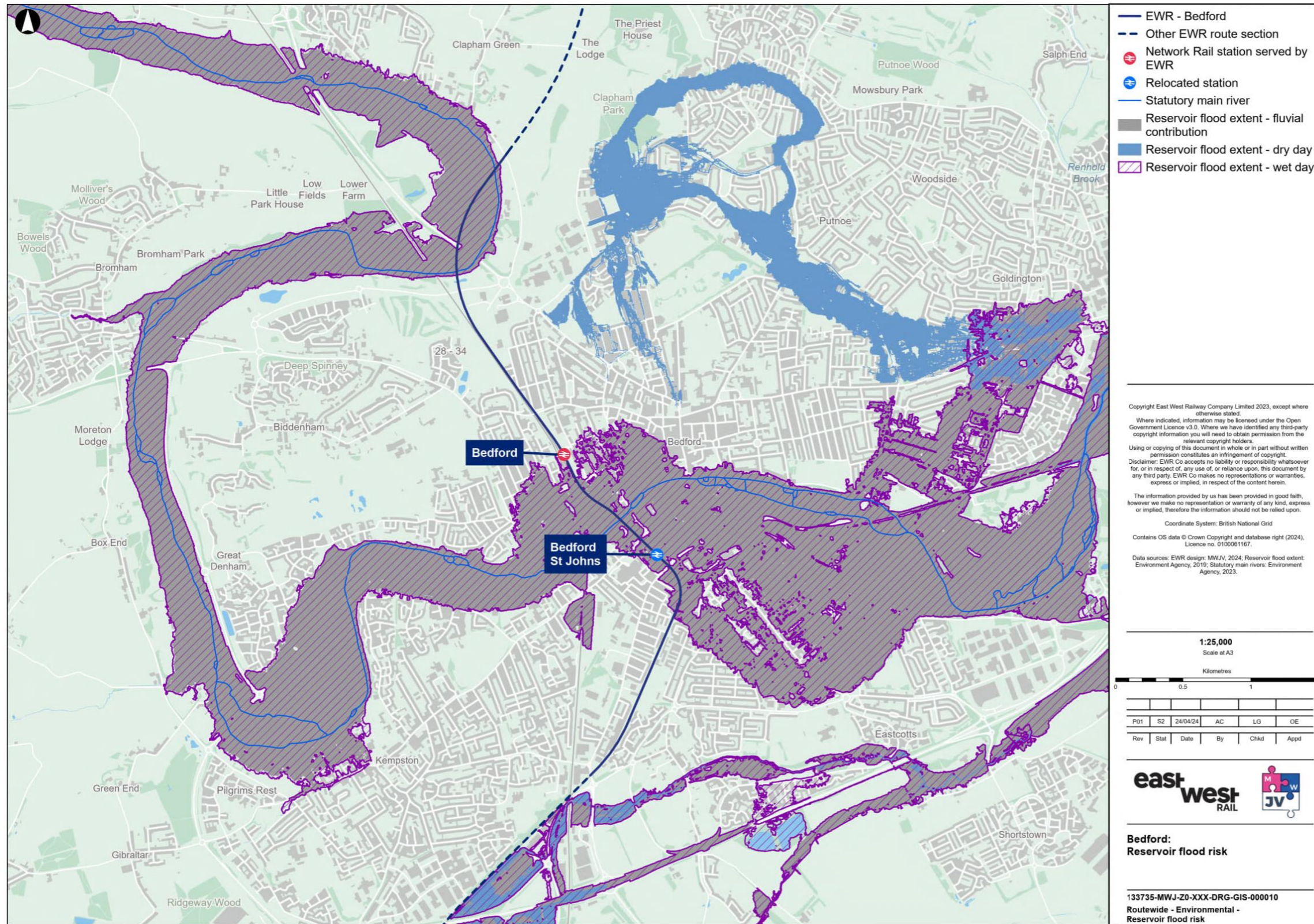
Figure 73 – Fenny Stratford to Kempston: Reservoir Flood Risk.



EWR\_FloodRisk | Flood Risk from Reservoir - RS 2 | 08 May 2024



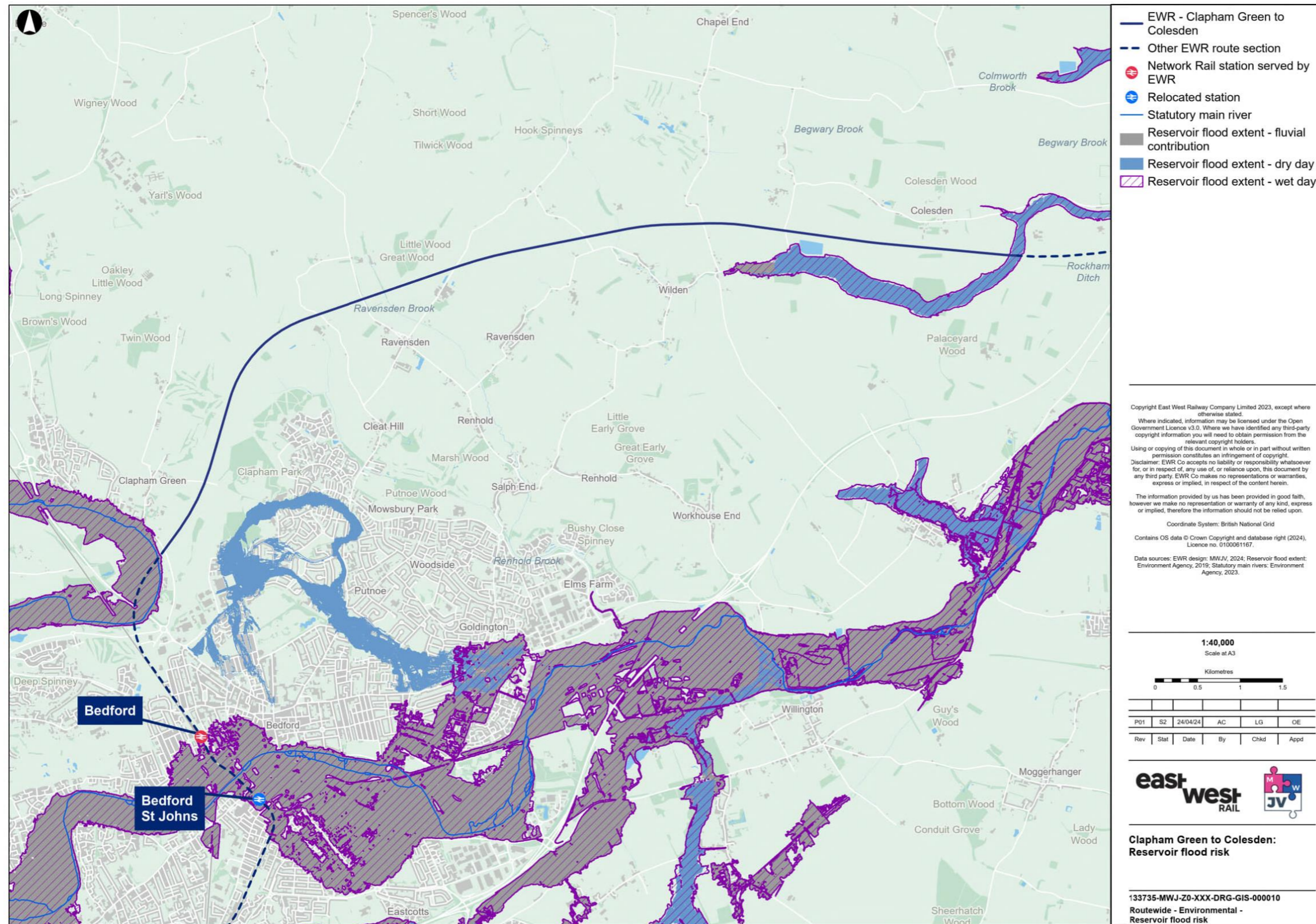
Figure 74 – Bedford: Reservoir Flood Risk.



EWR\_FloodRisk | Flood Risk from Reservoir - RS 3 | 08 May 2024



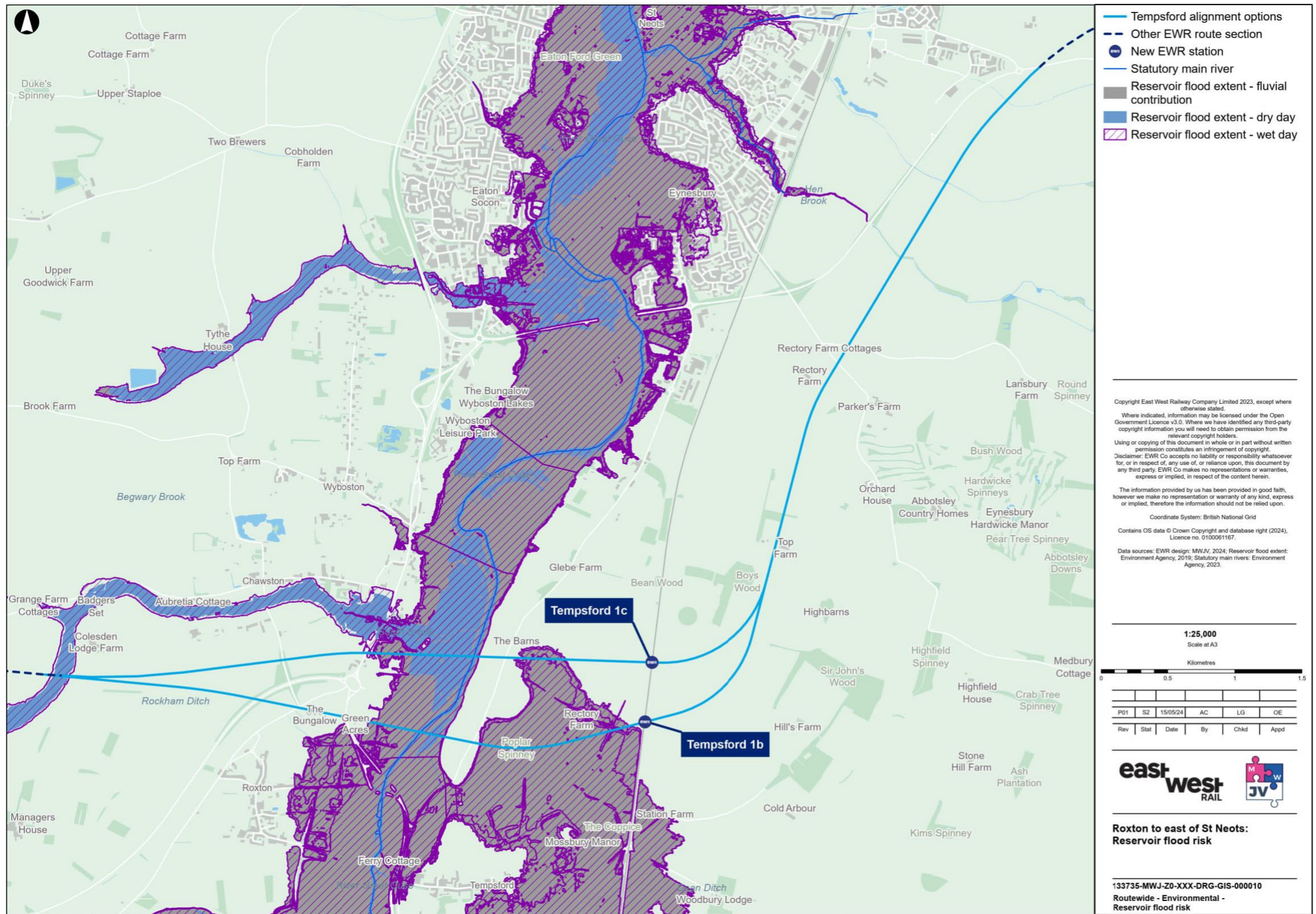
Figure 75 – Clapham Green to Colesden: Reservoir Flood Risk.



EWR\_FloodRisk | Flood Risk from Reservoir - RS 4 | 08 May 2024



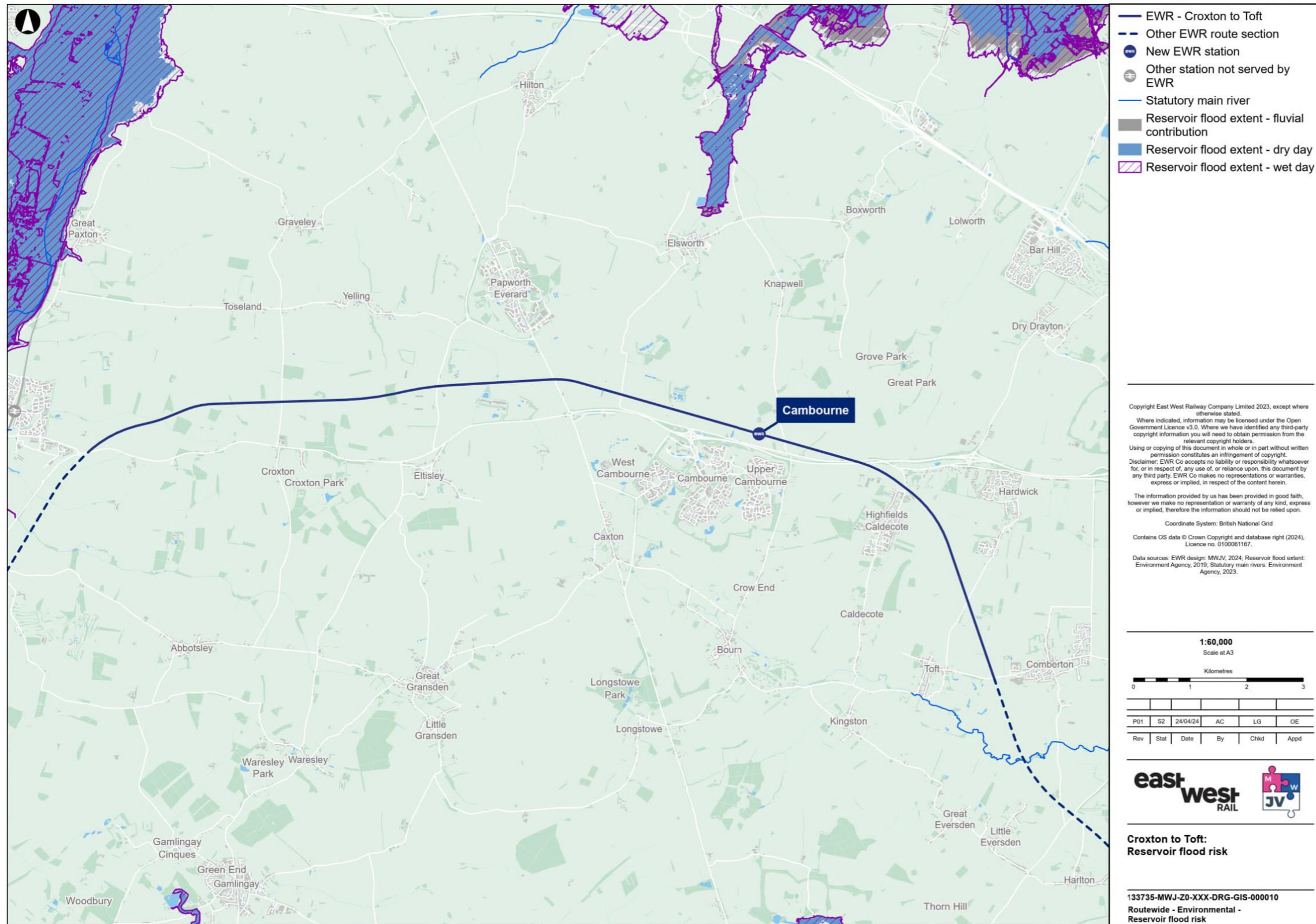
Figure 76 – Roxton to east of St Neots: Reservoir Flood Risk.



EWR\_FloodRisk | Flood Risk from Reservoir - RS 5 | 17 May 2024



Figure 77 – Croxton to Toft: Reservoir Flood Risk.



EWR\_FloodRisk | Flood Risk from Reservoir - RS 6 | 08 May 2024



Figure 78 – Comberton to Shelford: Reservoir Flood Risk.

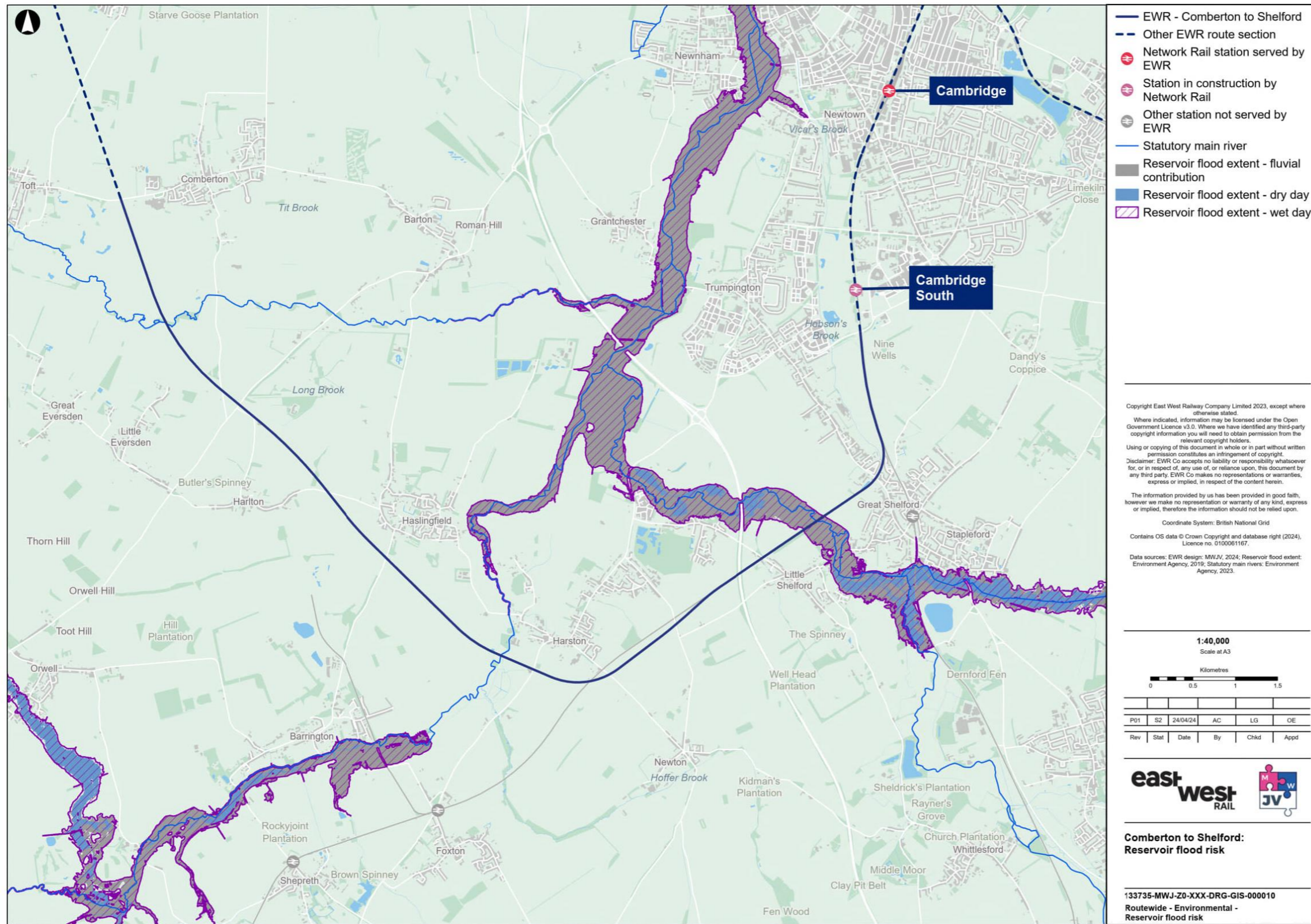
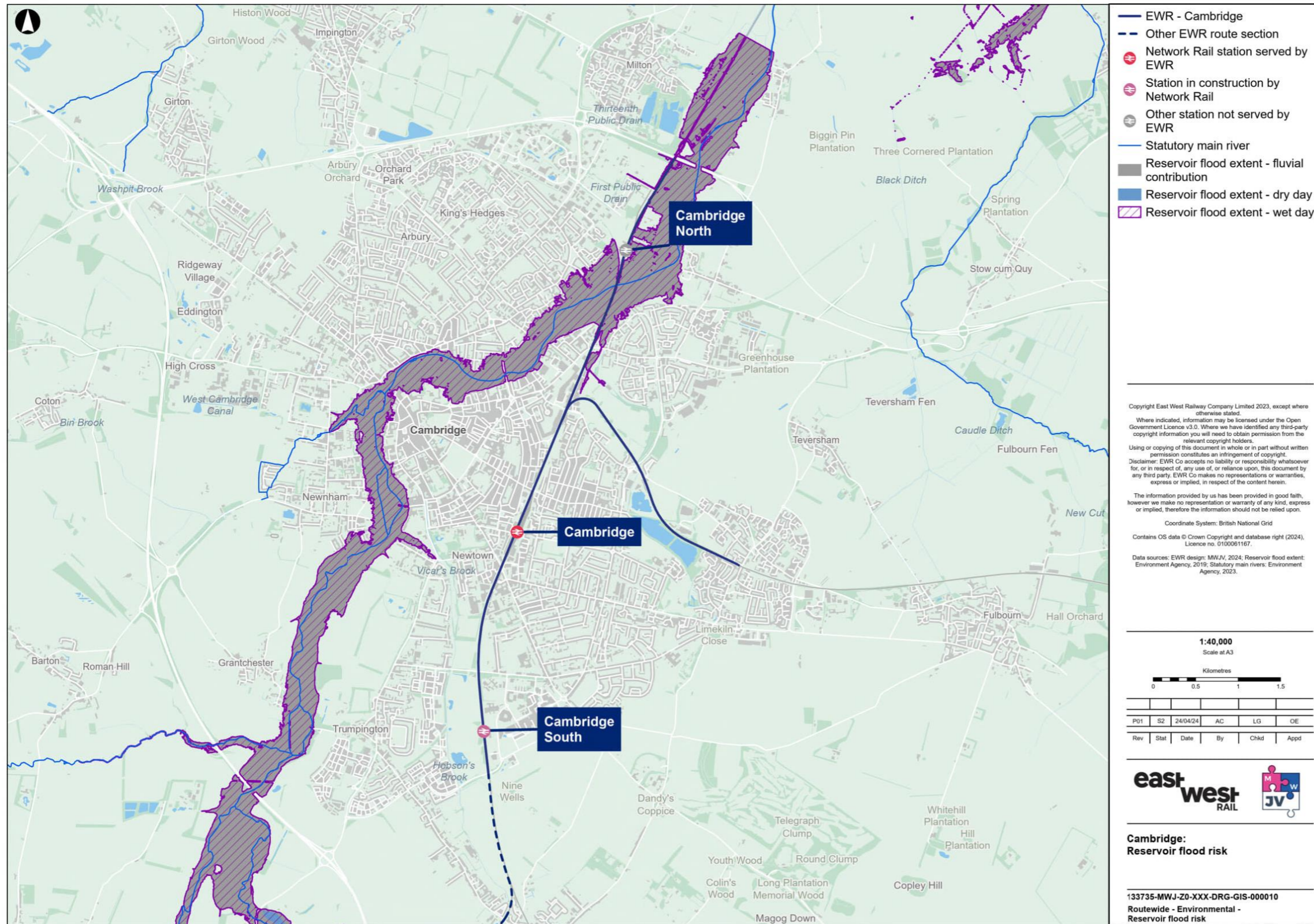




Figure 79 – Cambridge: Reservoir Flood Risk.



EWR\_FloodRisk | Flood Risk from Reservoir - RS 8 | 08 May 2024



Figure 80 – Oxford to Bletchley: Surface Flood Risk.

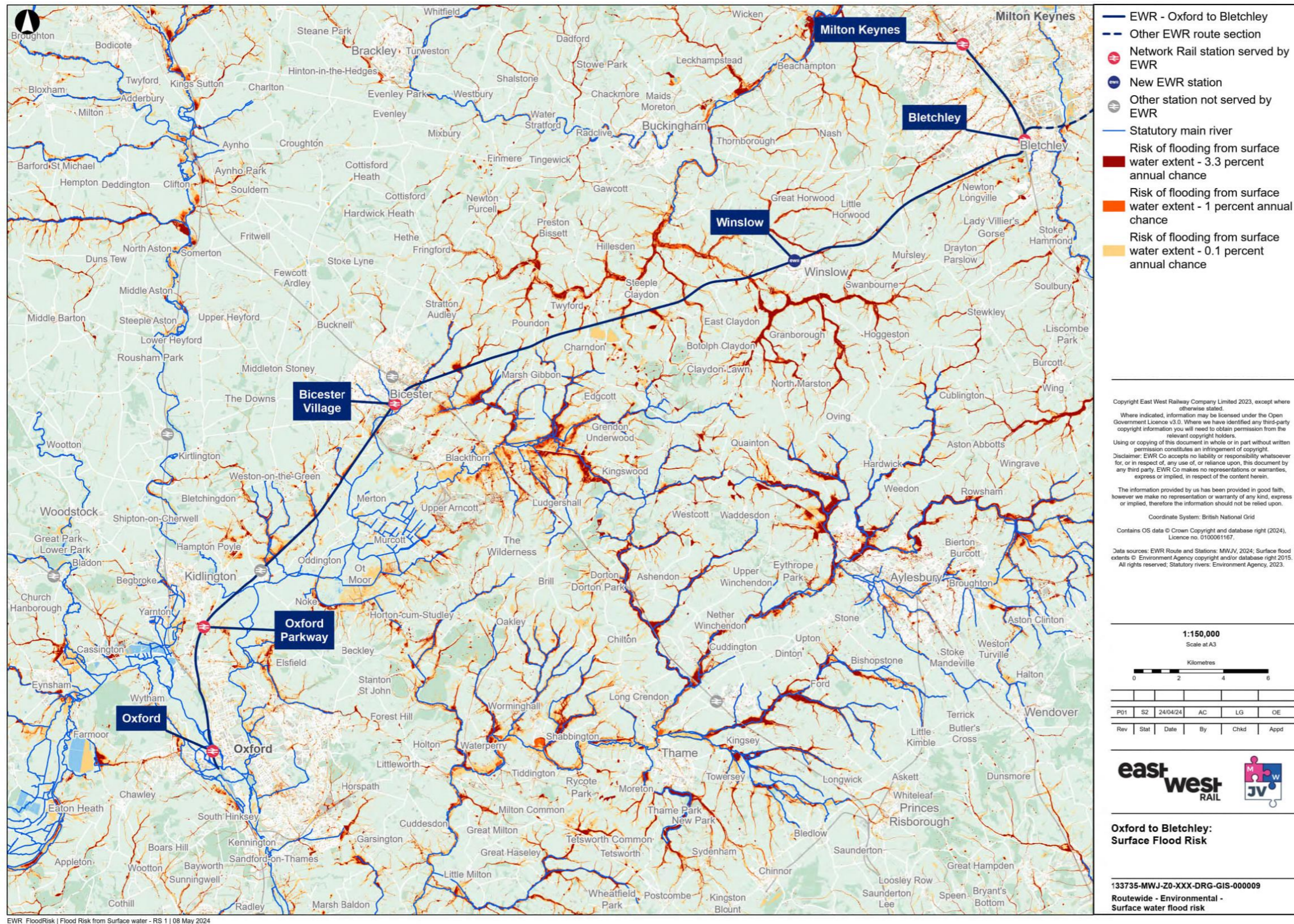
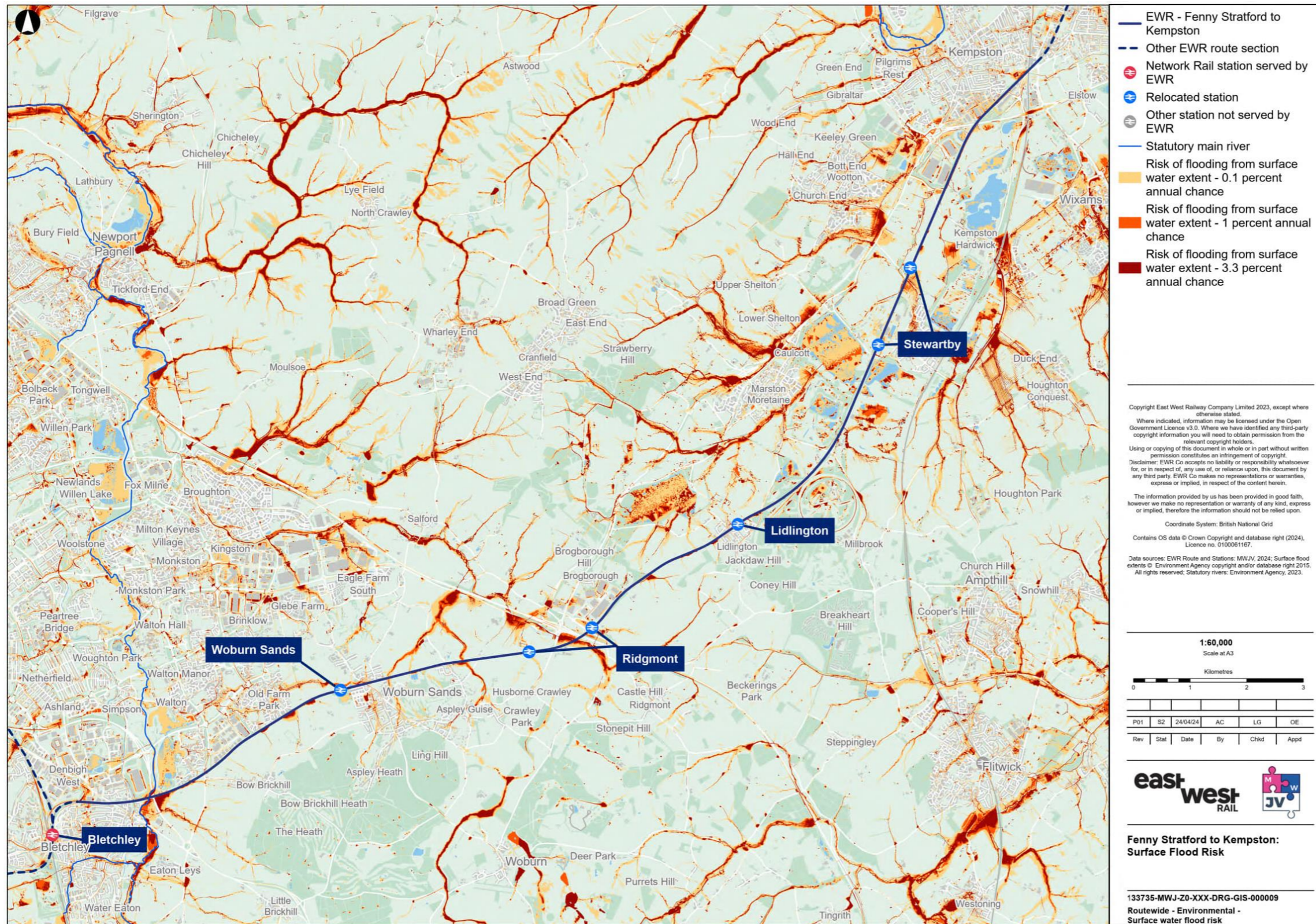




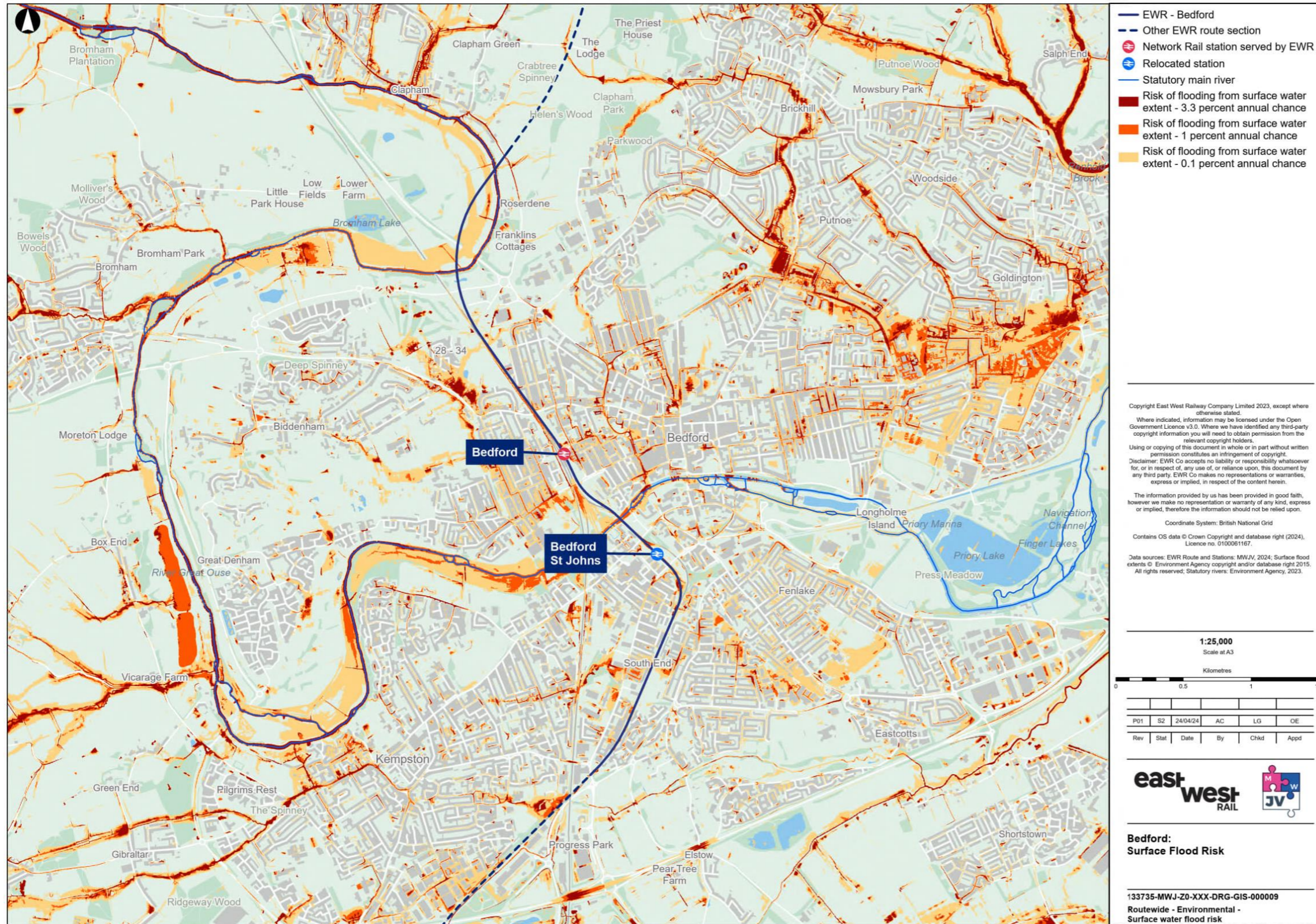
Figure 81 – Fenny Stratford to Kempston: Surface Flood Risk.



EW\_R\_FloodRisk | Flood Risk from Surface water - RS 2 | 08 May 2024



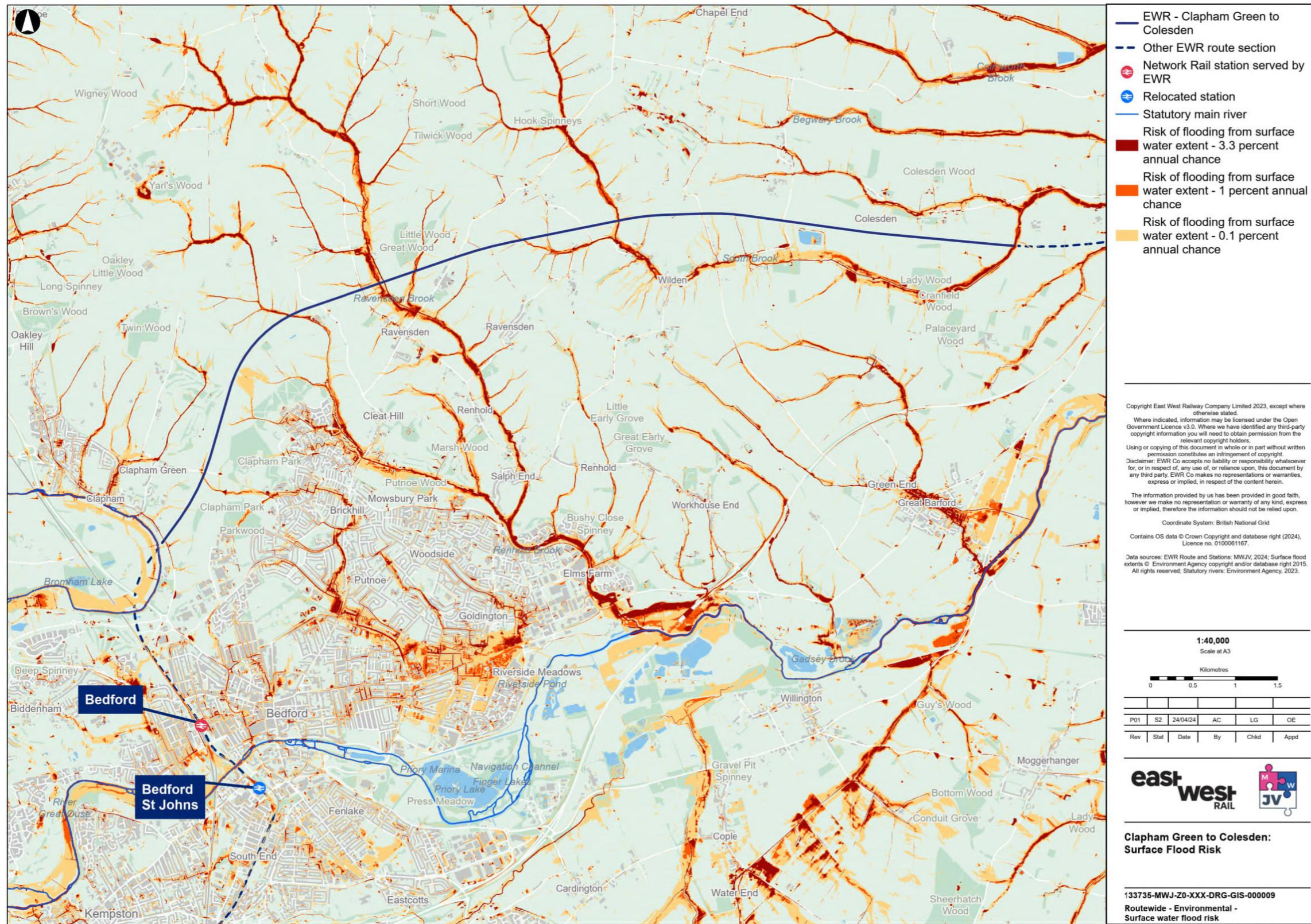
Figure 82 – Bedford: Surface Flood Risk.



EWR\_FloodRisk | Flood Risk from Surface water - RS 3 | 08 May 2024



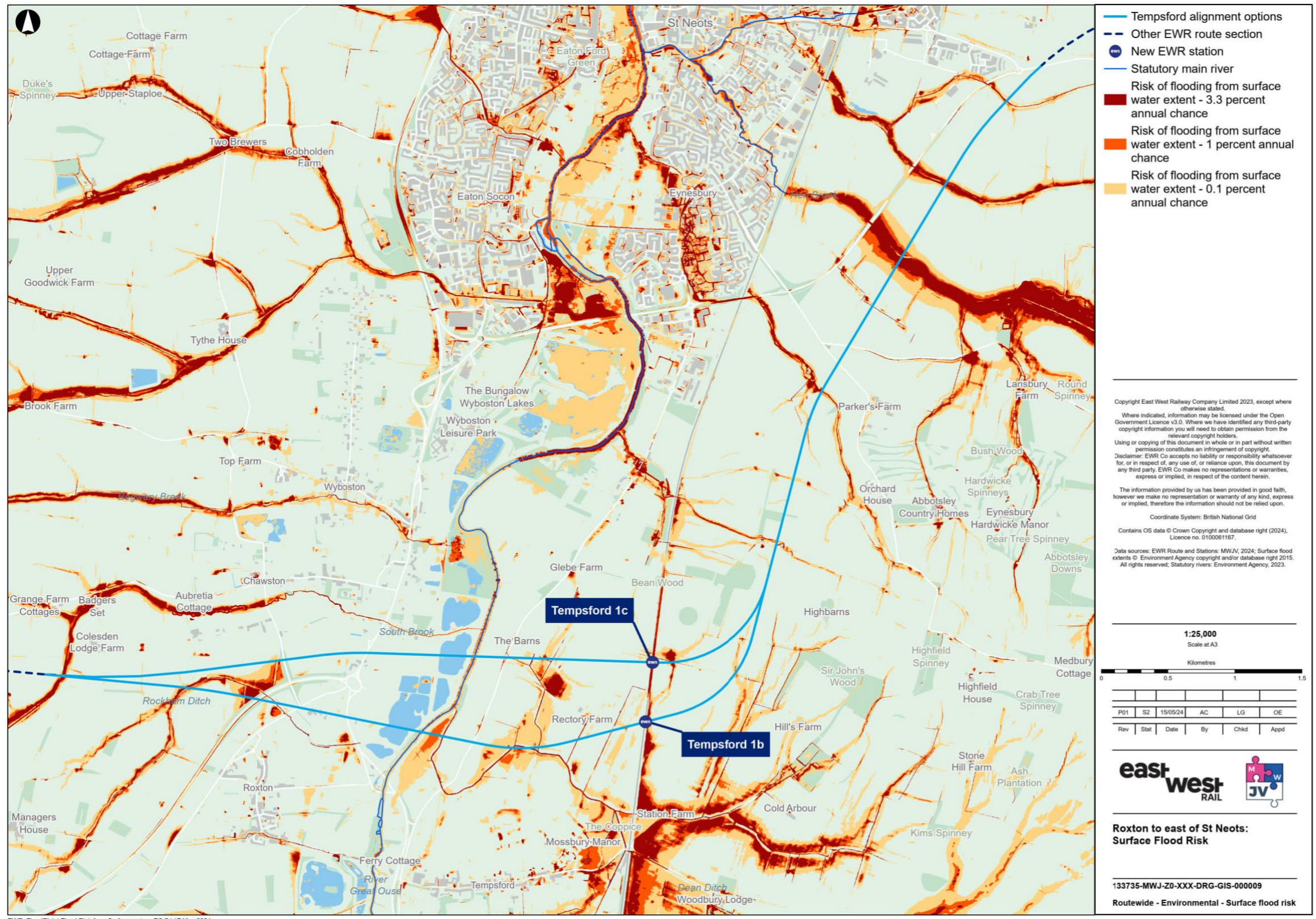
Figure 83 – Clapham Green to Colesden: Surface Flood Risk.



EWR\_FloodRisk | Flood Risk from Surface water - RS 4 | 08 May 2024



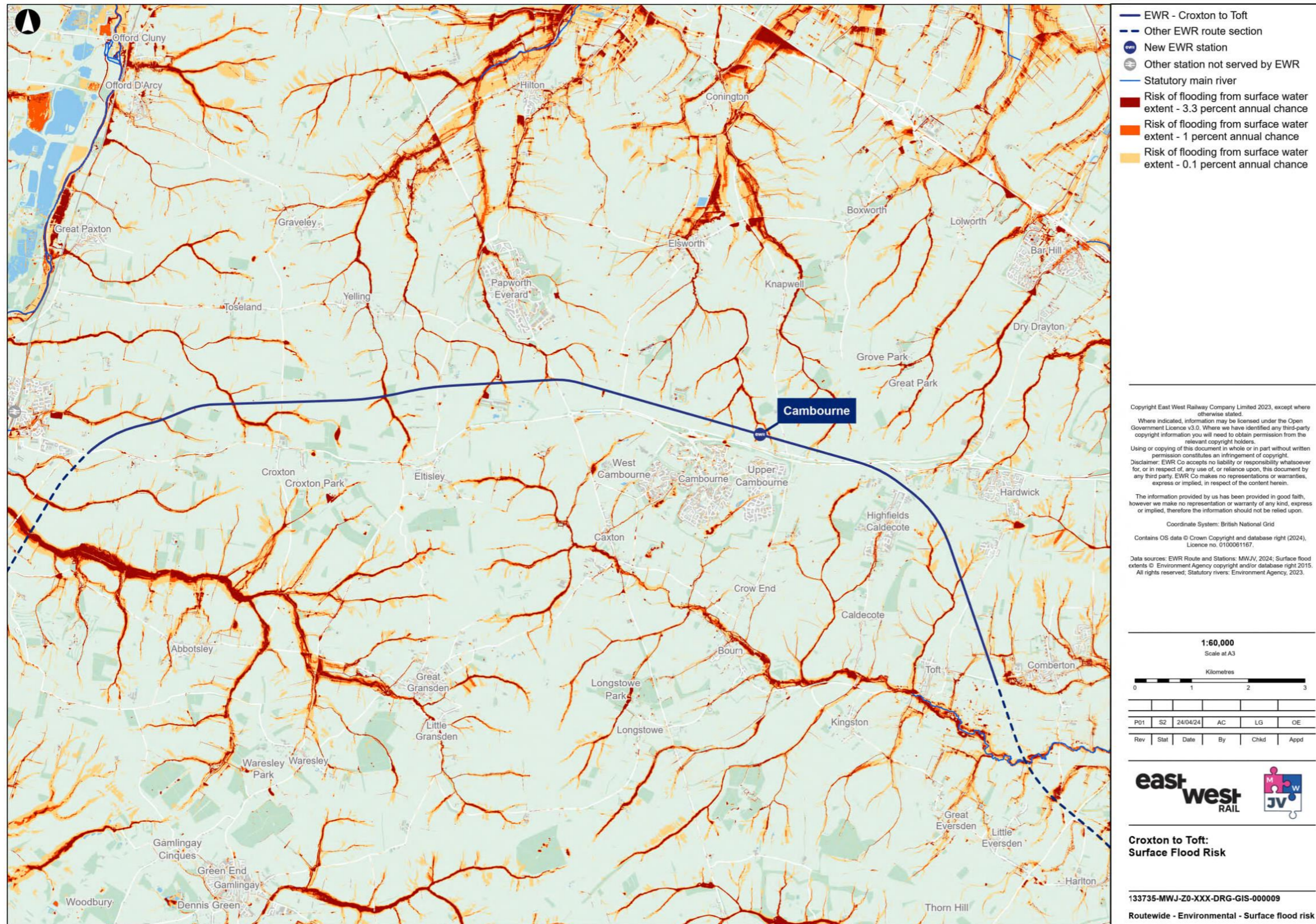
Figure 84 – Roxton to east of St Neots: Surface Flood Risk.



EWR\_FloodRisk | Flood Risk from Surface water - RS 5 | 17 May 2024



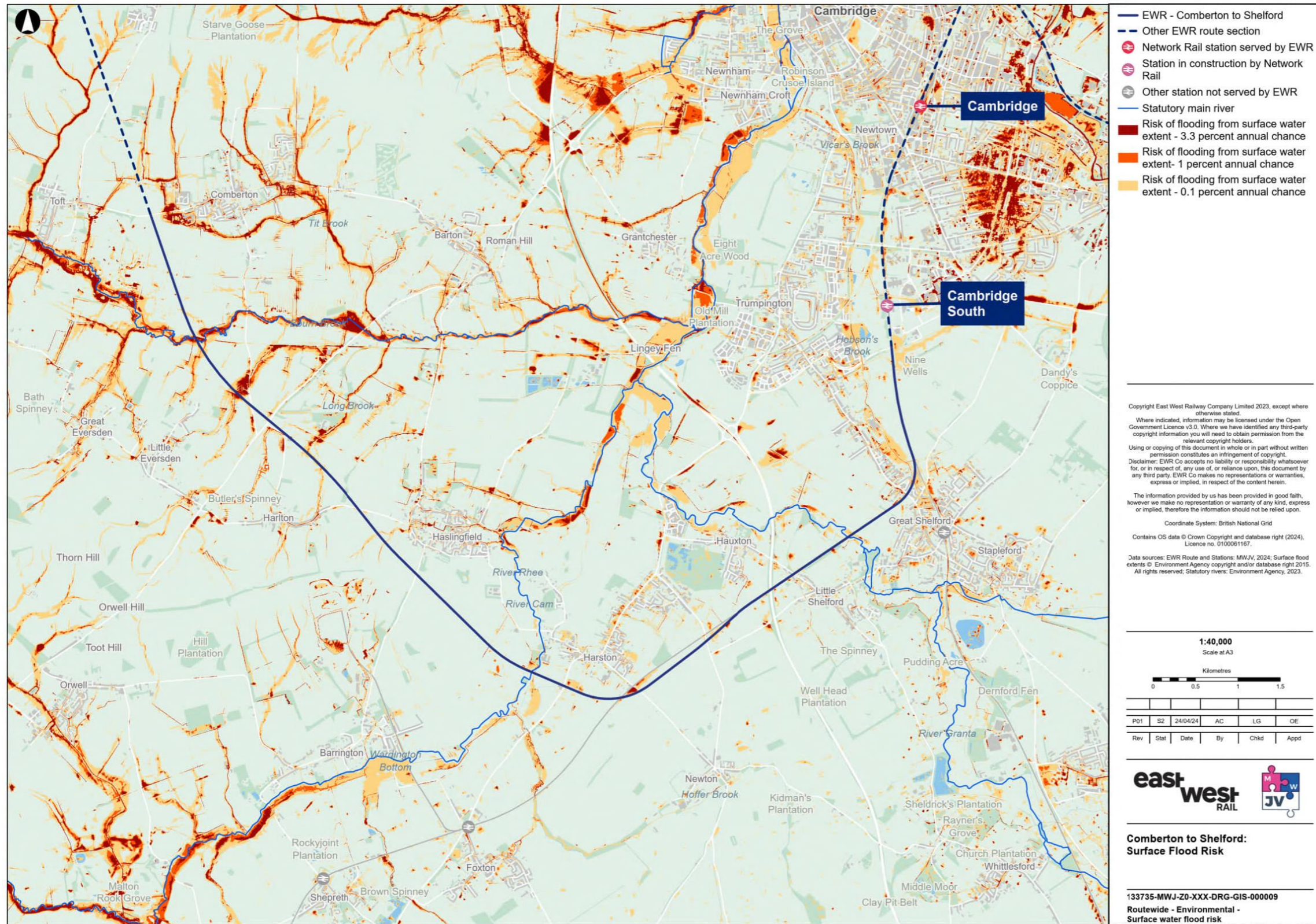
Figure 85 – Croxton to Toft: Surface Flood Risk.



EWR\_FloodRisk | Flood Risk from Surface water - RS 6 | 08 May 2024



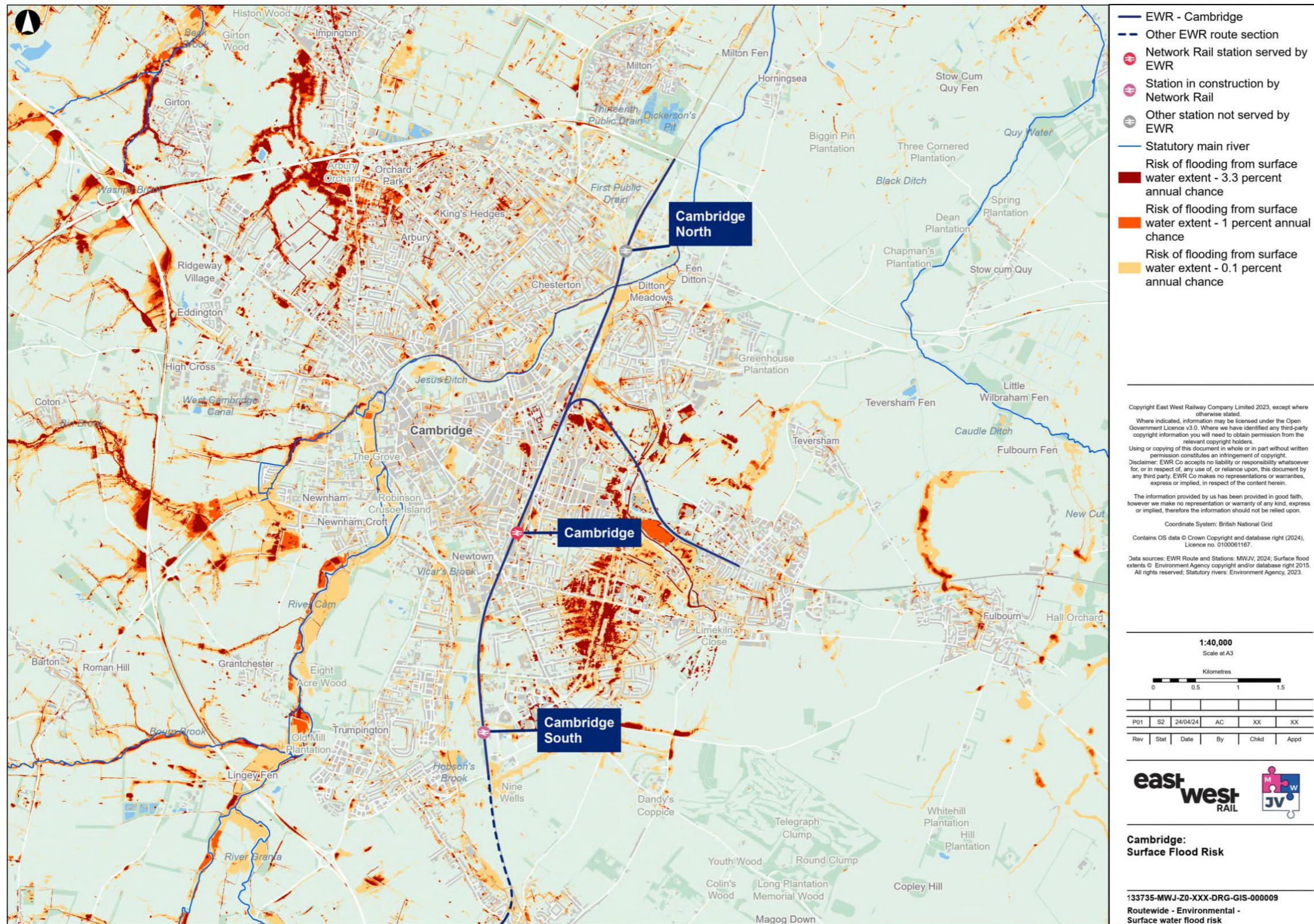
Figure 86 – Comberton to Shelford: Surface Flood Risk.



EW\_R\_FloodRisk | Flood Risk from Surface water - RS 7 | 08 May 2024



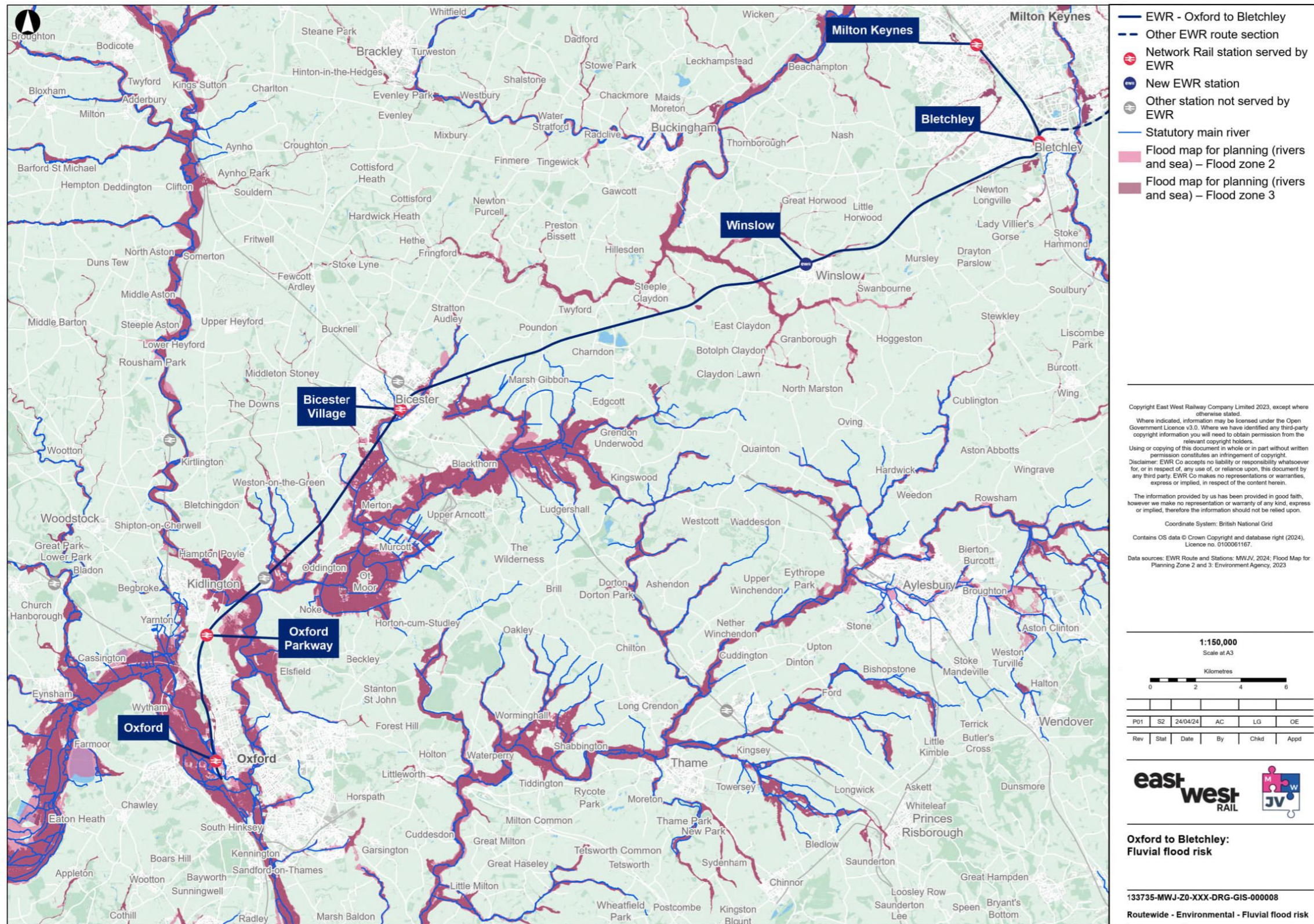
Figure 87 – Cambridge: Surface Flood Risk.



EWI\_FloodRisk | Flood Risk from Surface water - RS 6 | 08 May 2024



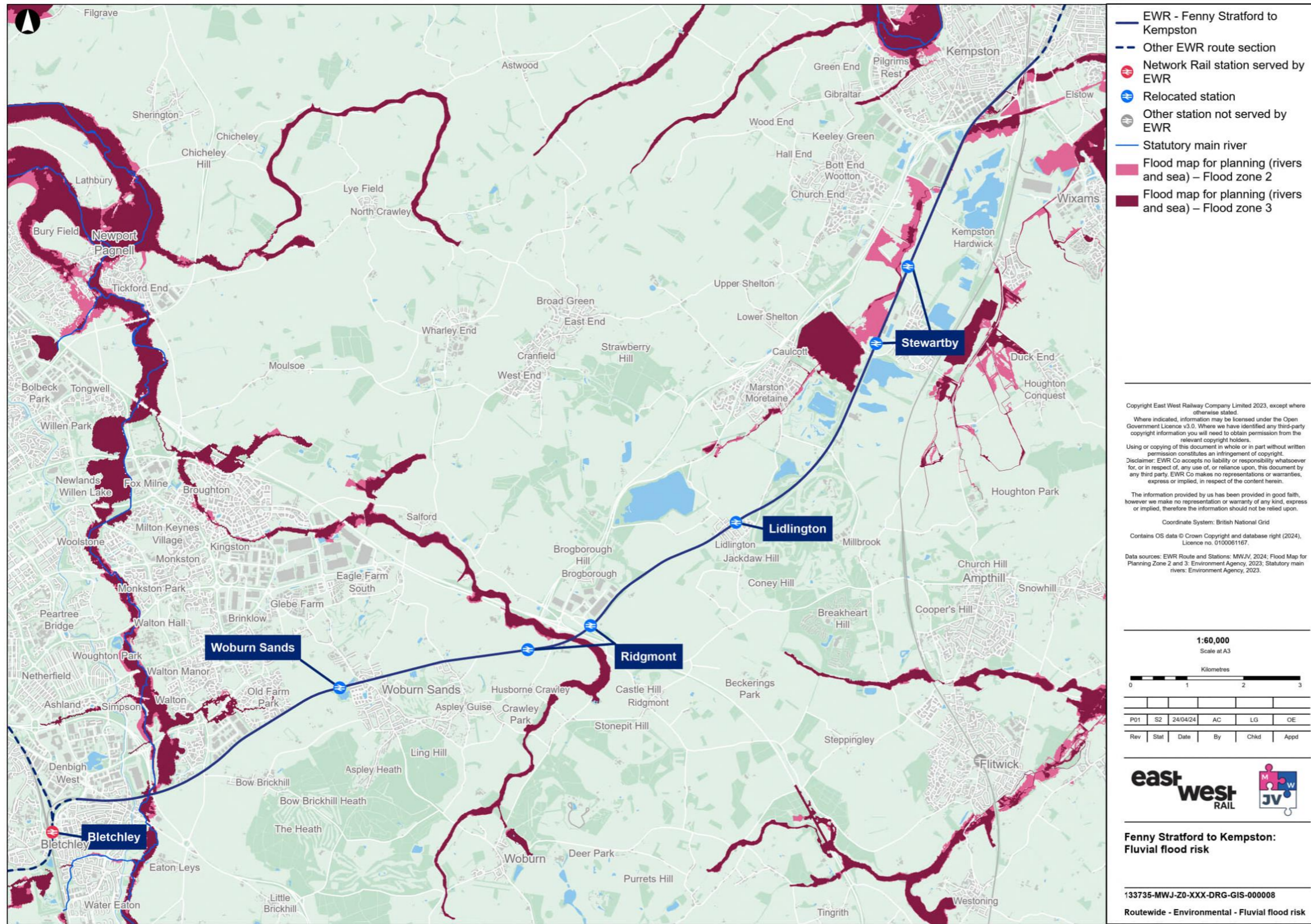
Figure 88 – Oxford to Bletchley: Fluvial Flood Risk.



EWRFloodRisk | Fluvial Flood Risk - RS 1 | 08 May 2024



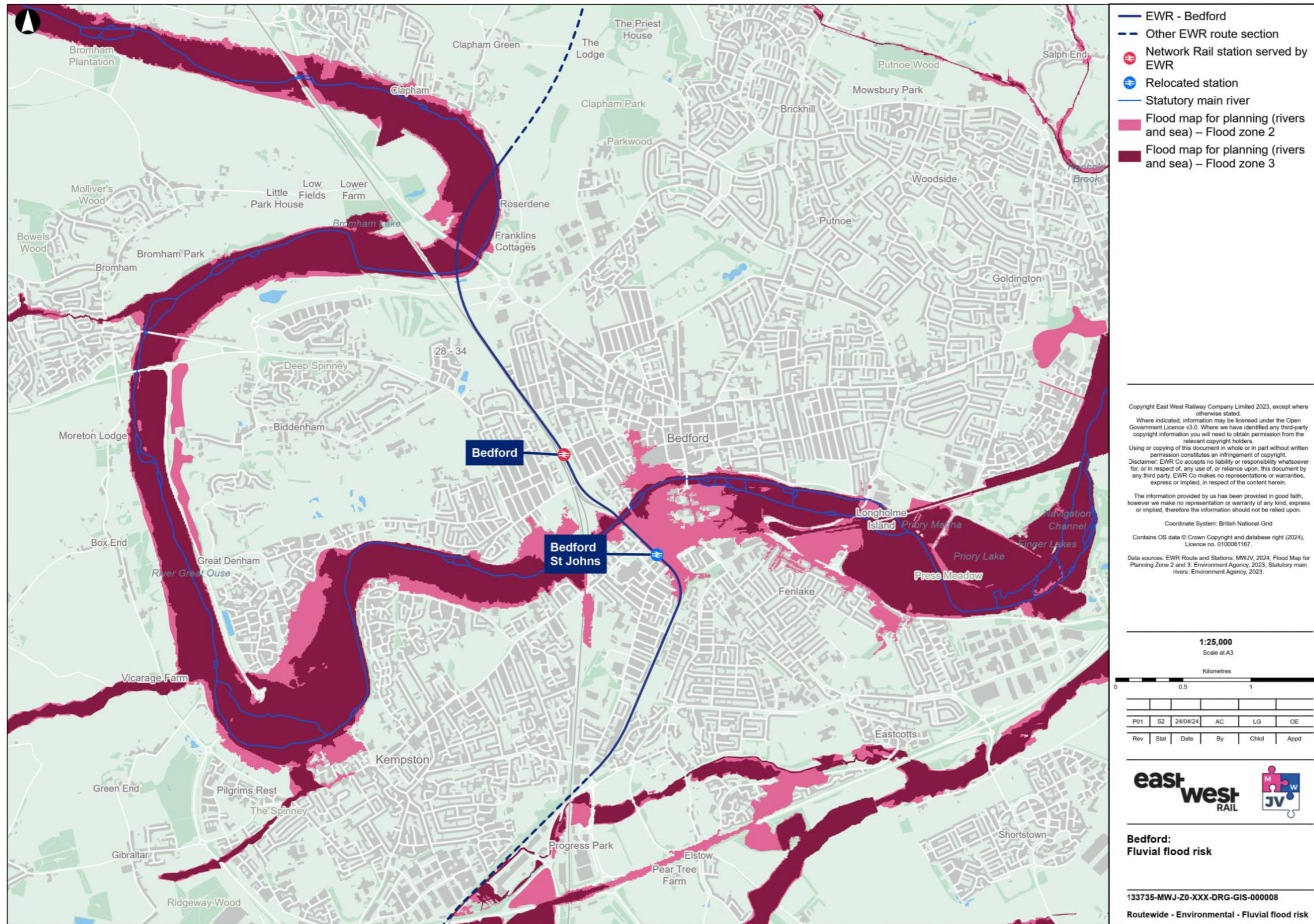
Figure 89 – Fenny Stratford to Kempston: Fluvial Flood Risk.



EWR\_FloodRisk | Fluvial Flood Risk - RS 2 | 08 May 2024



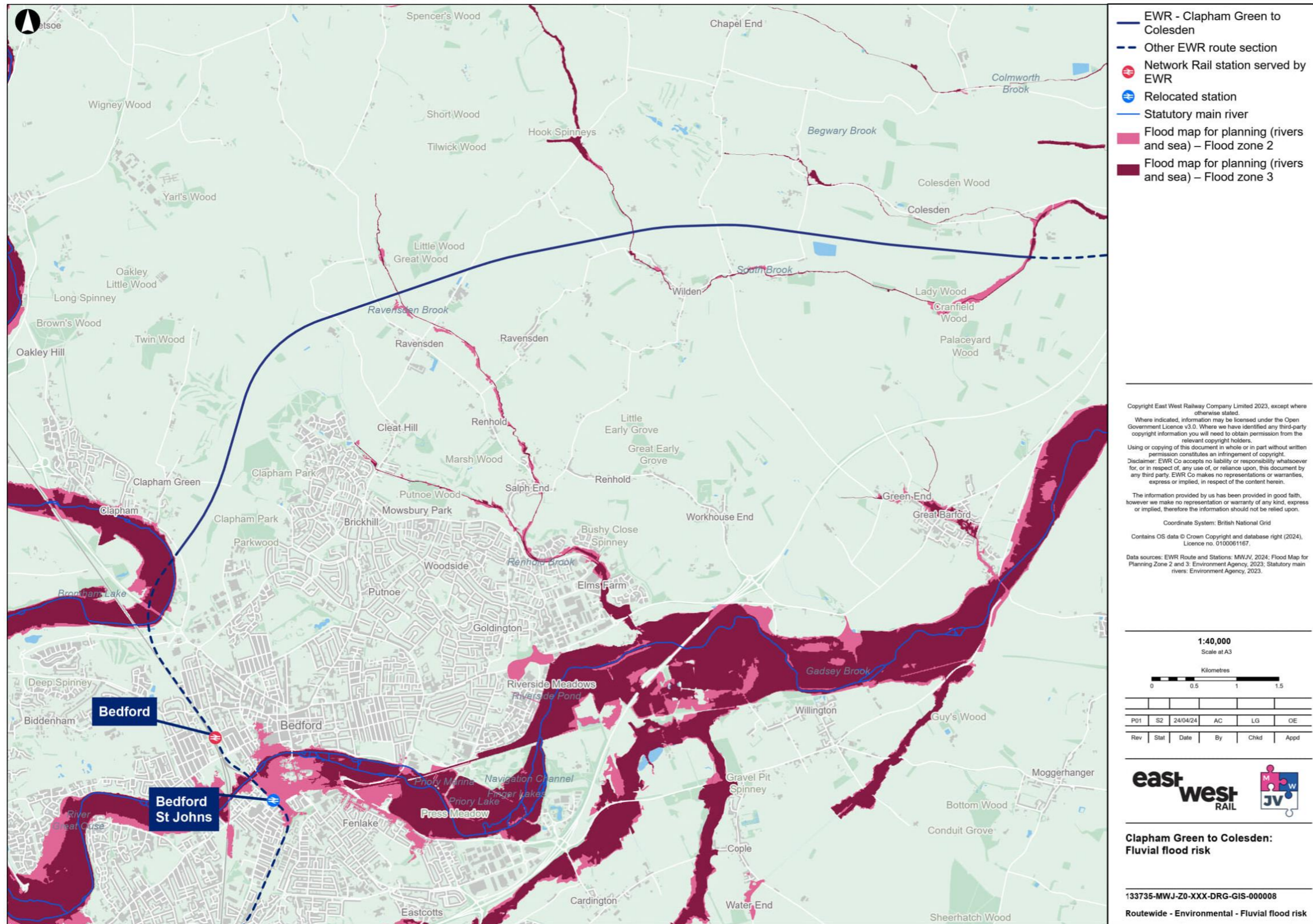
Figure 90 - Bedford: Fluvial Flood Risk.



EWR\_FloodRisk | Fluvial Flood Risk - RS 3 | 08 May 2024



Figure 91 – Clapham Green to Colesden: Fluvial Flood Risk.



- EWR - Clapham Green to Colesden
- - - Other EWR route section
- ⊕ Network Rail station served by EWR
- ⊕ Relocated station
- Statutory main river
- Flood map for planning (rivers and sea) – Flood zone 2
- Flood map for planning (rivers and sea) – Flood zone 3

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Scale at A3

Kilometres

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Rev	Stat	Date	By	Chkd	Appd



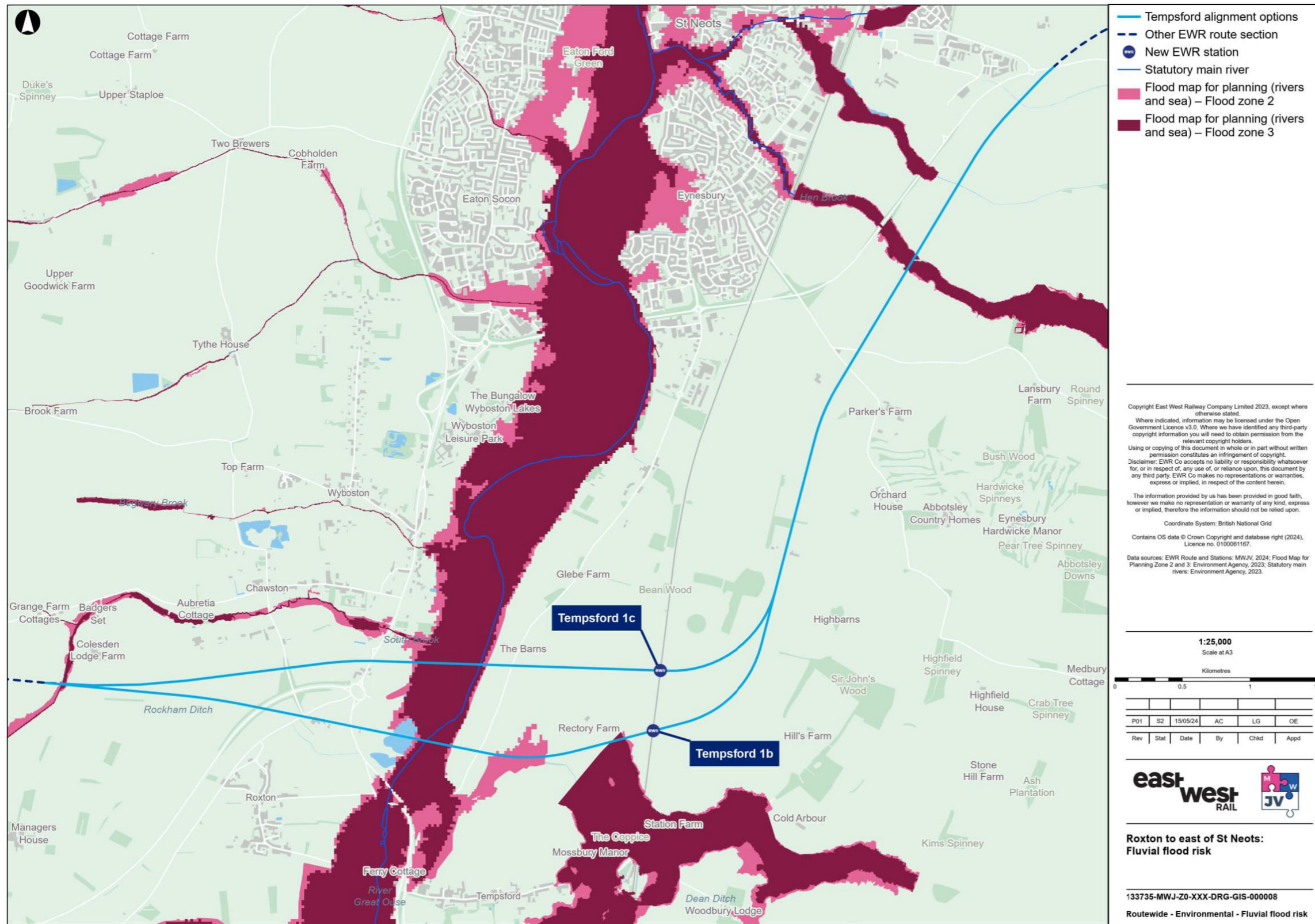
**Clapham Green to Colesden:  
Fluvial flood risk**

133735-MWJ-Z0-XXX-DRG-GIS-000008  
 Routewide - Environmental - Fluvial flood risk

EWR\_FloodRisk | Fluvial Flood Risk - RS 4 | 08 May 2024



Figure 92 – Roxton to east of St Neots: Fluvial Flood Risk.



EWR\_FloodRisk | Fluvial Flood Risk - RS 5 | 17 May 2024



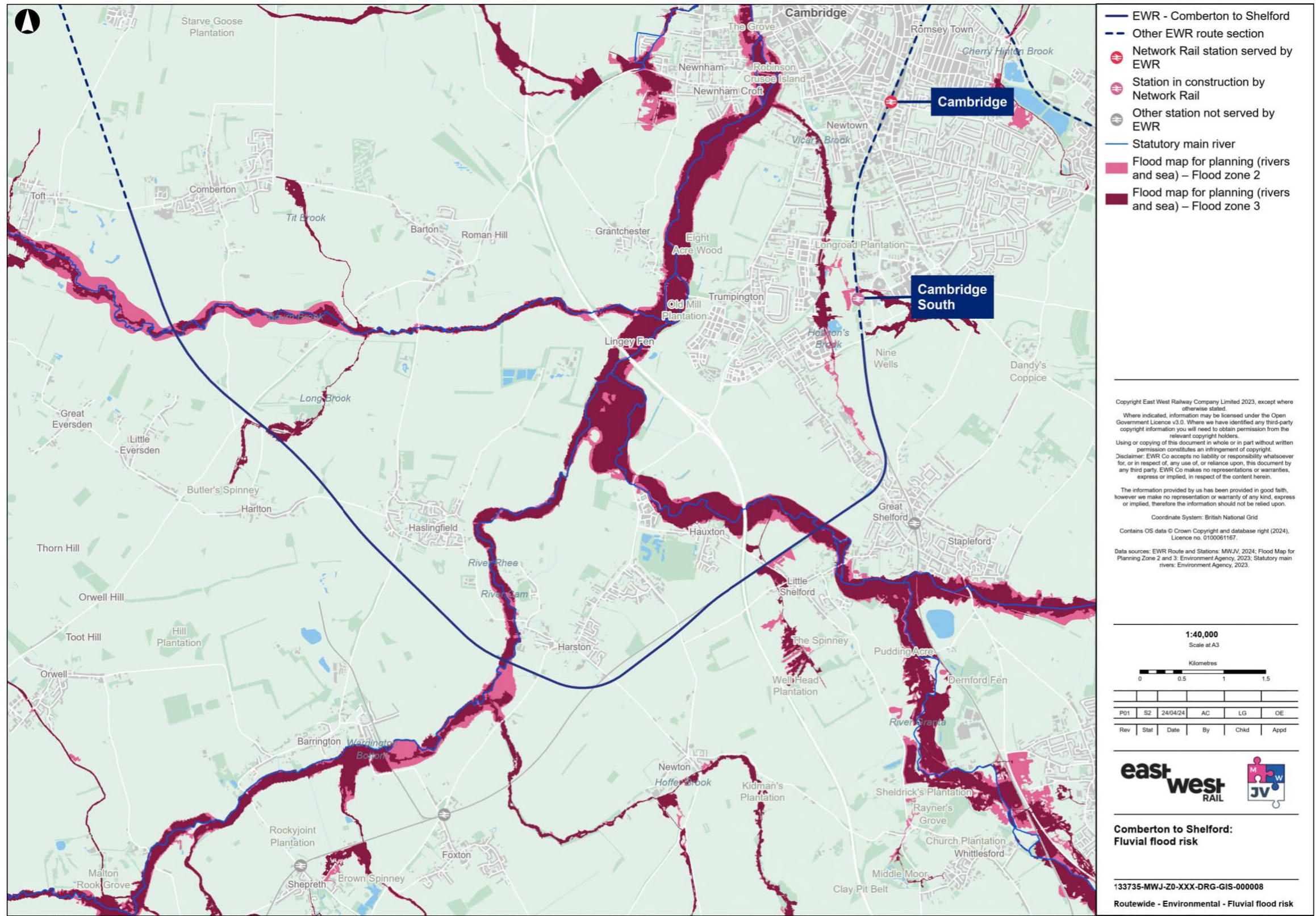
Figure 93 – Croxton to Toft: Fluvial Flood Risk.



EWR\_FloodRisk | Fluvial Flood Risk - RS 6 | 08 May 2024



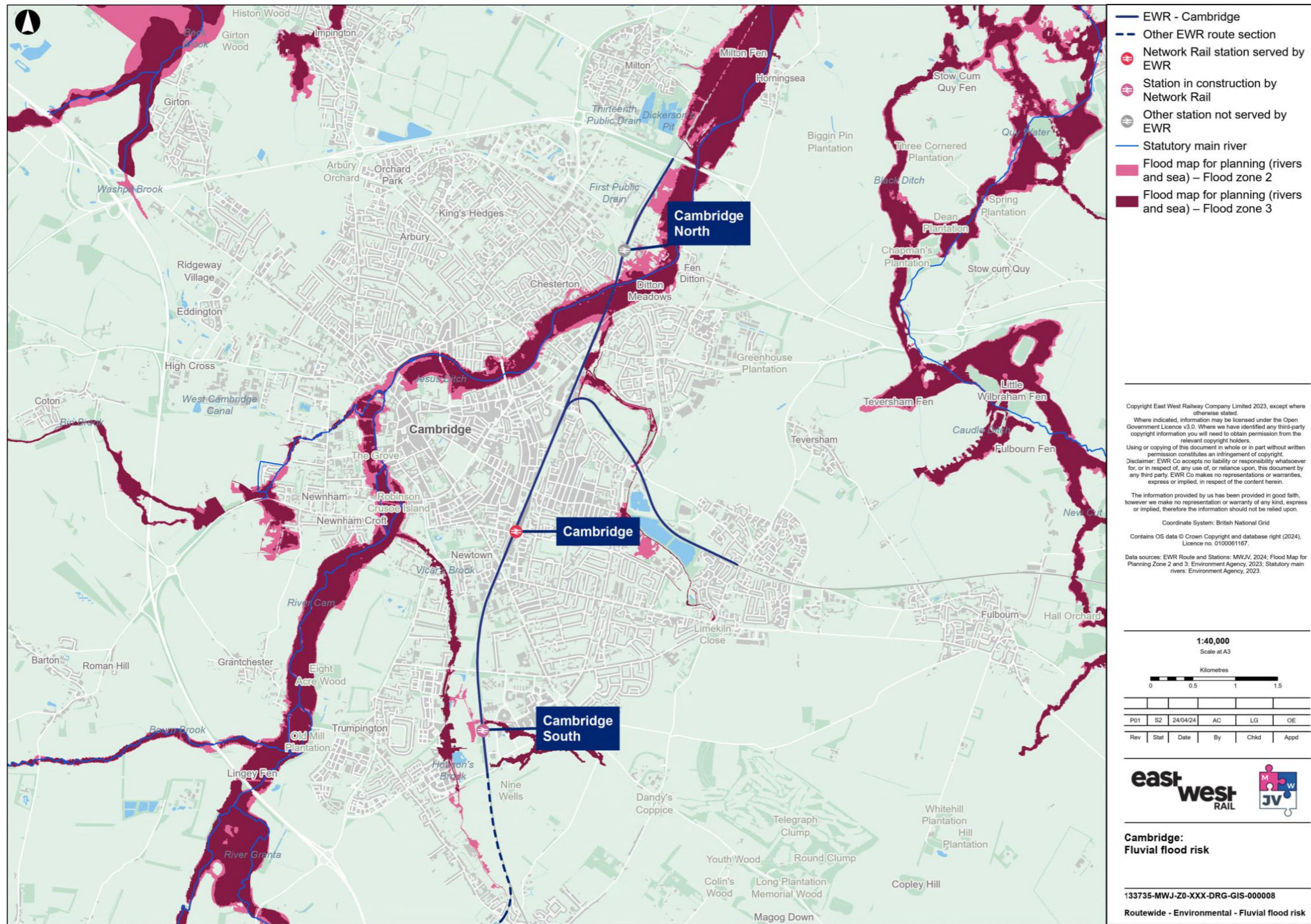
Figure 94 – Comberton to Shelford: Fluvial Flood Risk.



EWR\_FloodRisk | Fluvial Flood Risk - RS 7 | 08 May 2024



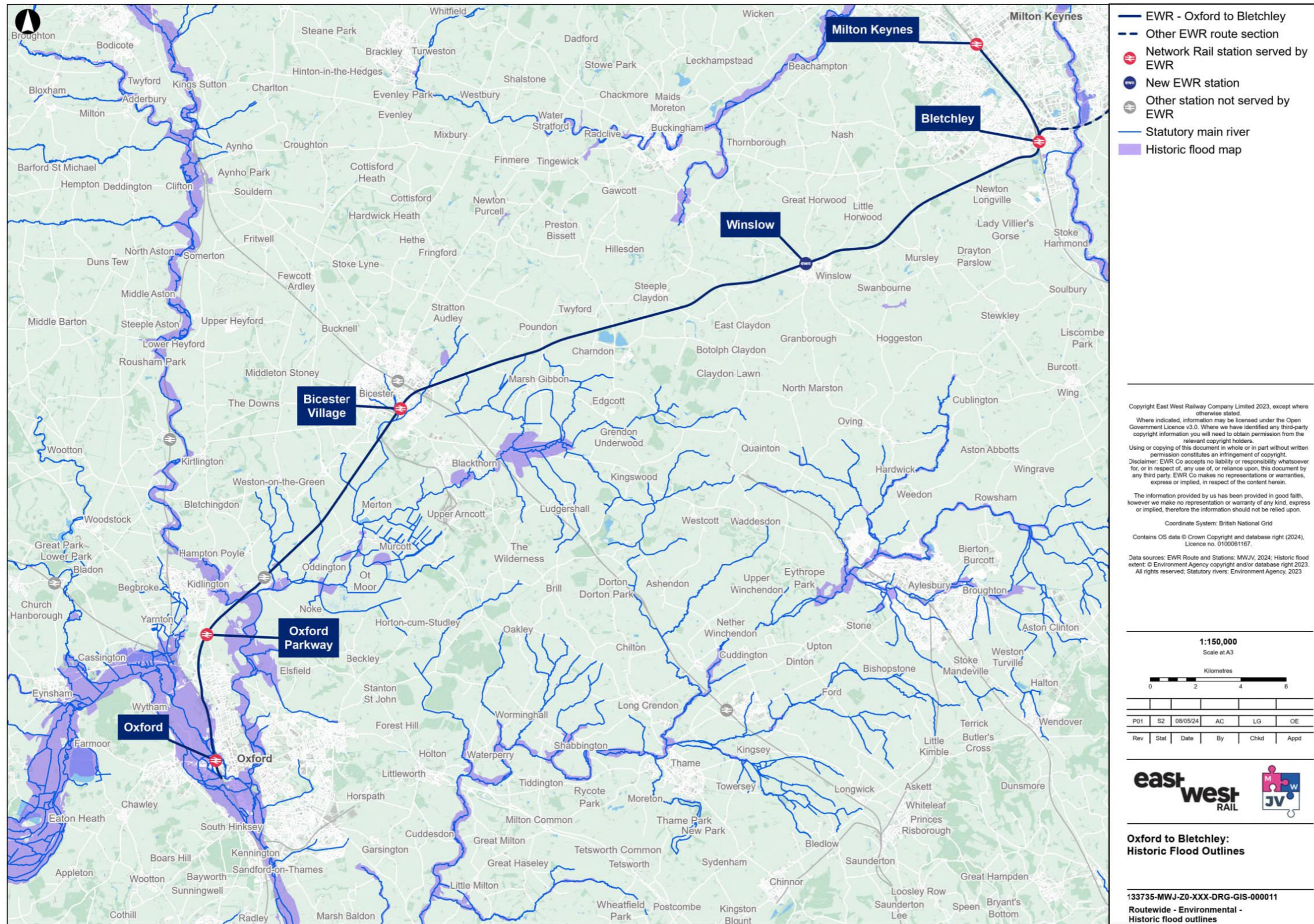
Figure 95 – Cambridge: Fluvial Flood Risk.



EWR\_FloodRisk | Fluvial Flood Risk - RS 8 | 08 May 2024



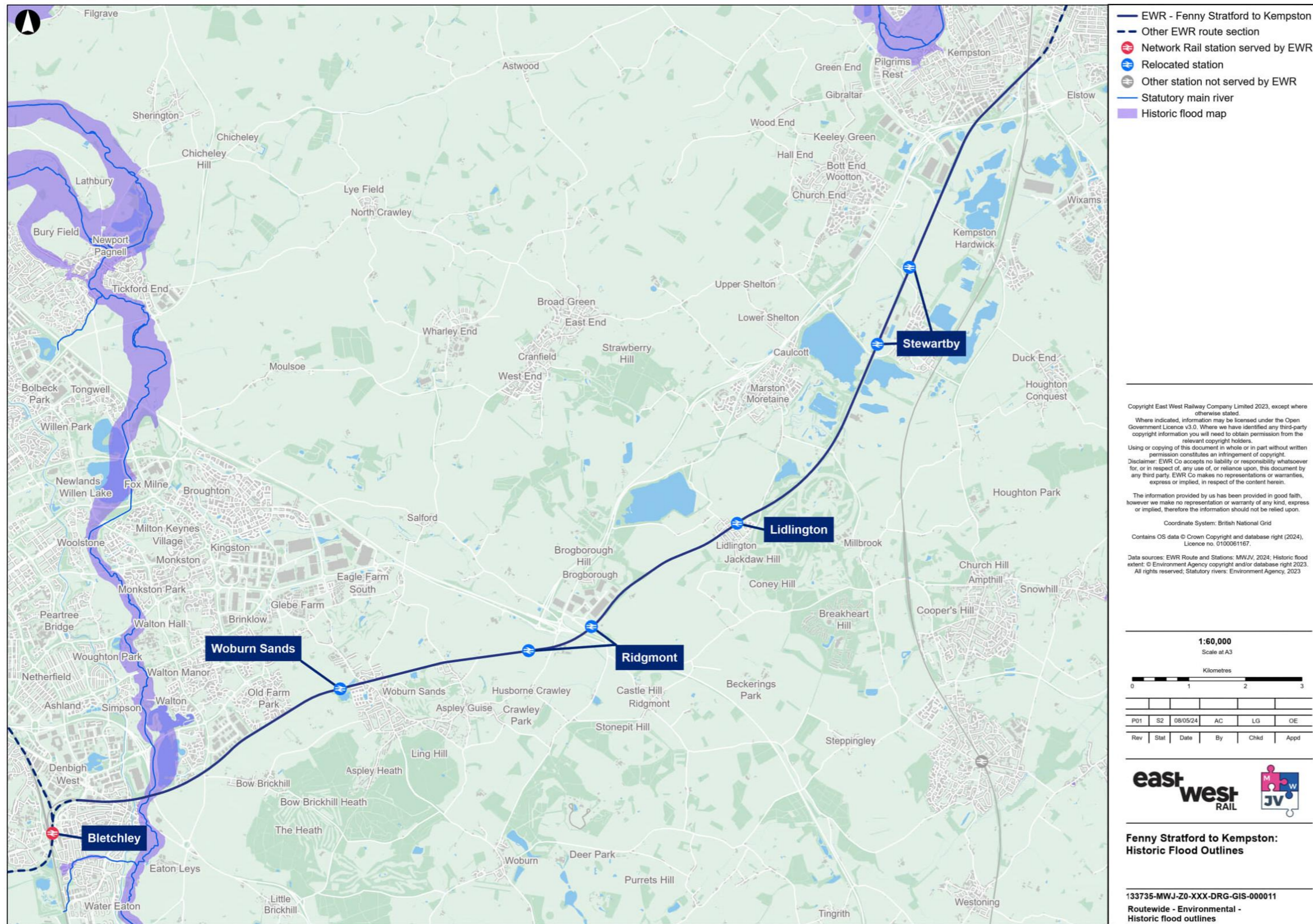
Figure 96 – Oxford to Bletchley: Historic Flood Outlines.



EWR\_FloodRisk | Historic Flood Map - RS 1 | 08 May 2024



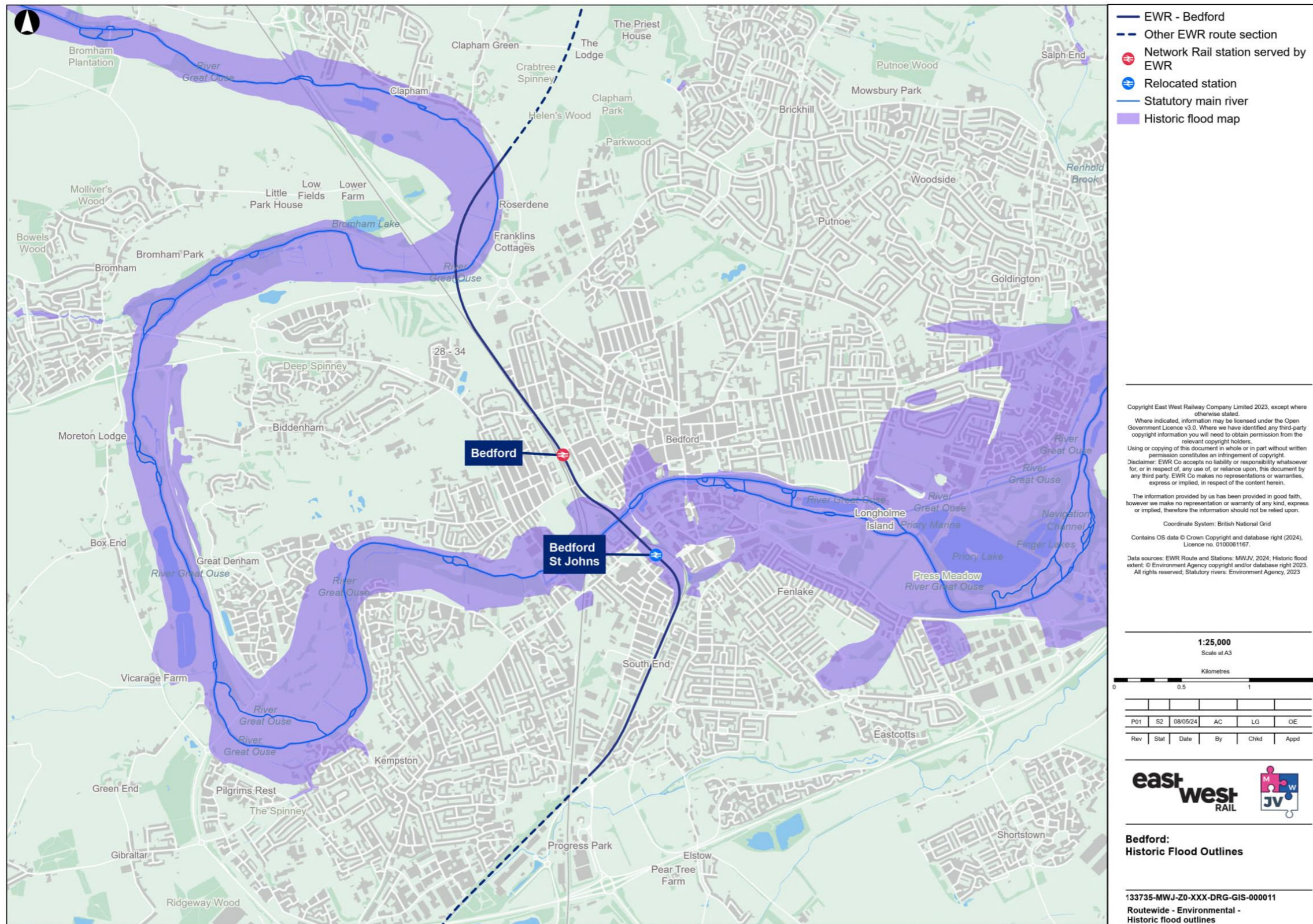
Figure 97 – Fenny Stratford to Kempston: Historic Flood Outlines.



EWR\_FloodRisk | Historic Flood Map - RS 2 | 08 May 2024



Figure 98 – Bedford: Historic Flood Outlines.



EWR\_FloodRisk | Historic Flood Map - RS 3 | 08 May 2024



Figure 99 – Clapham Green to Colesden: Historic Flood Outlines.

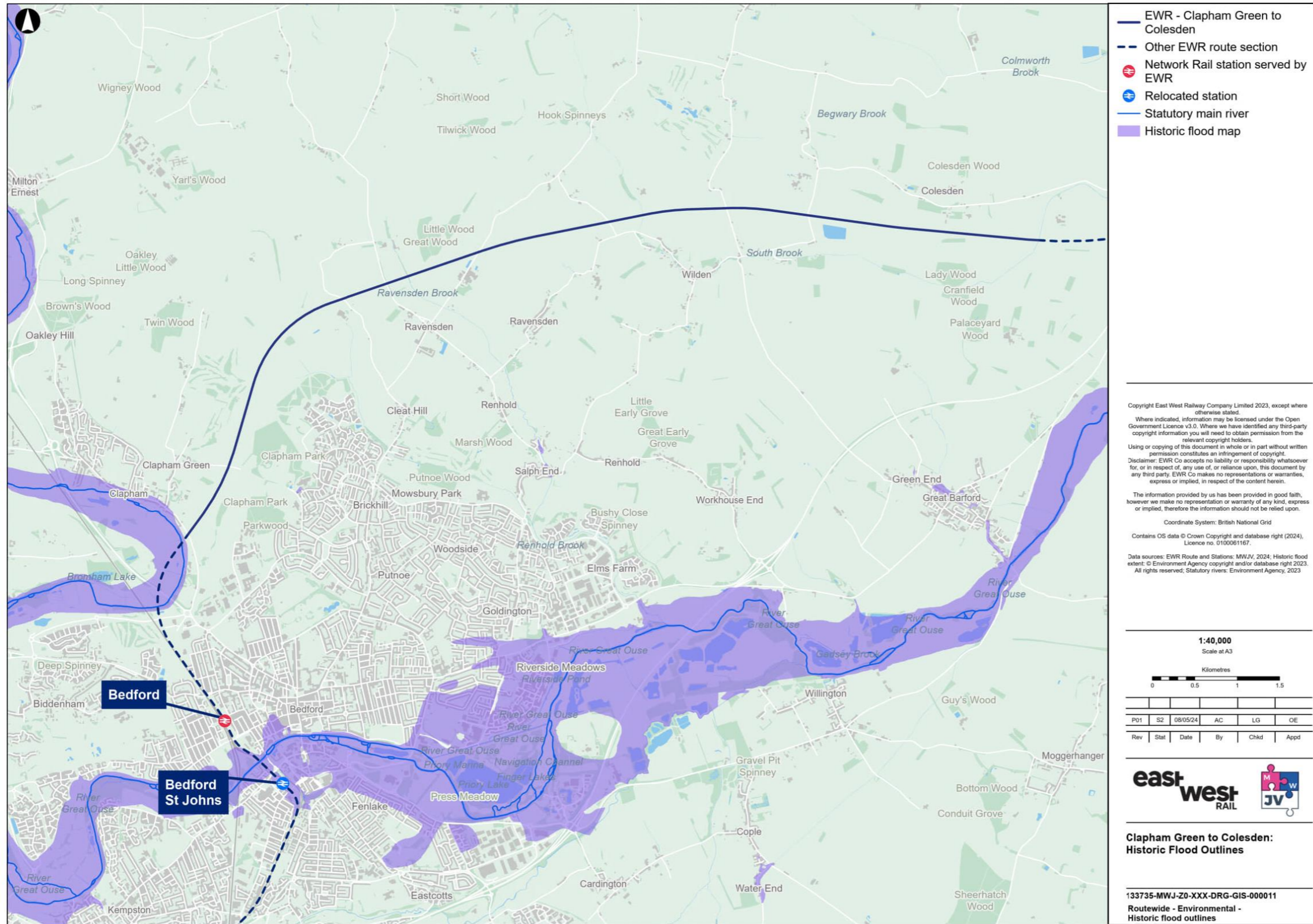
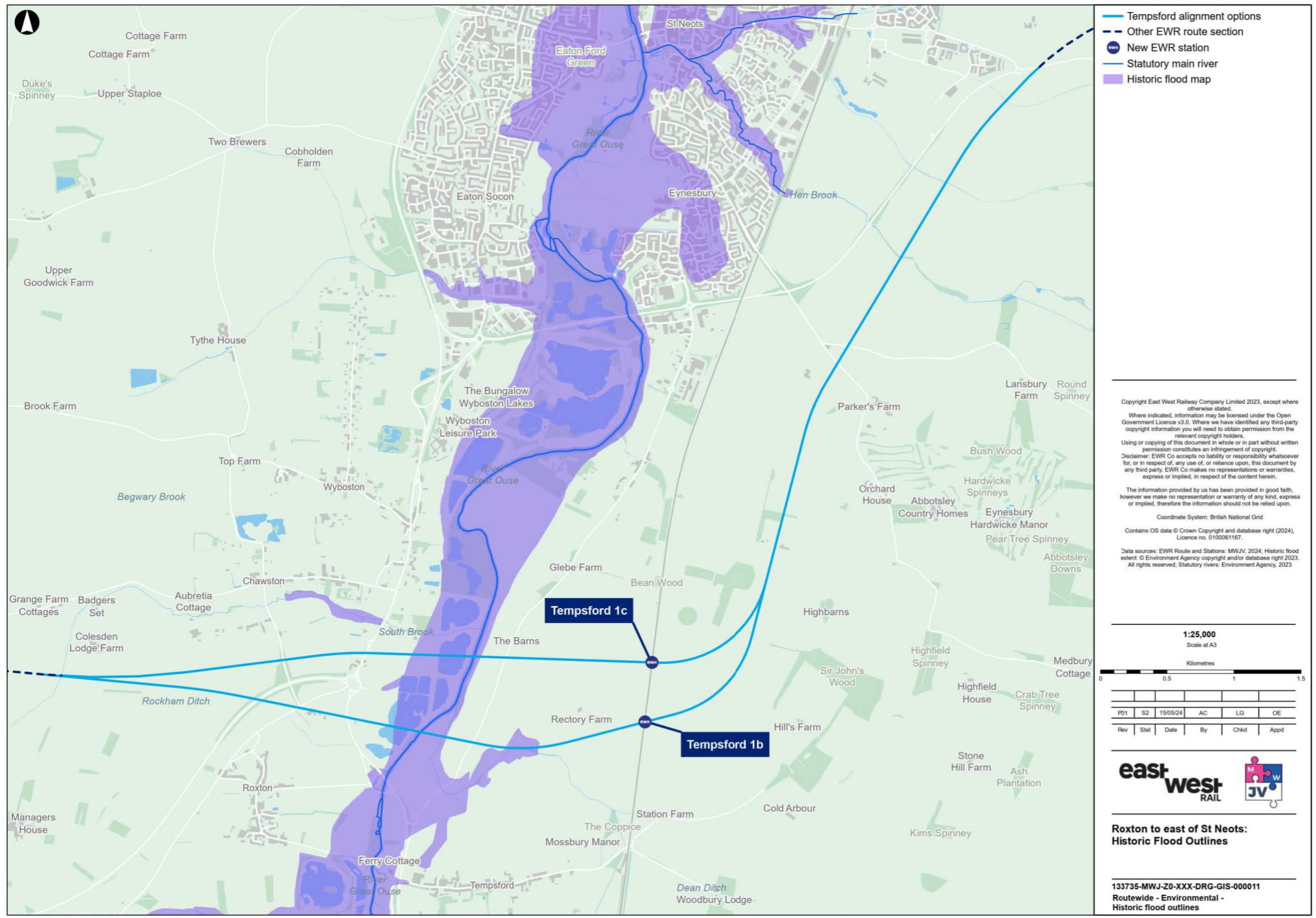




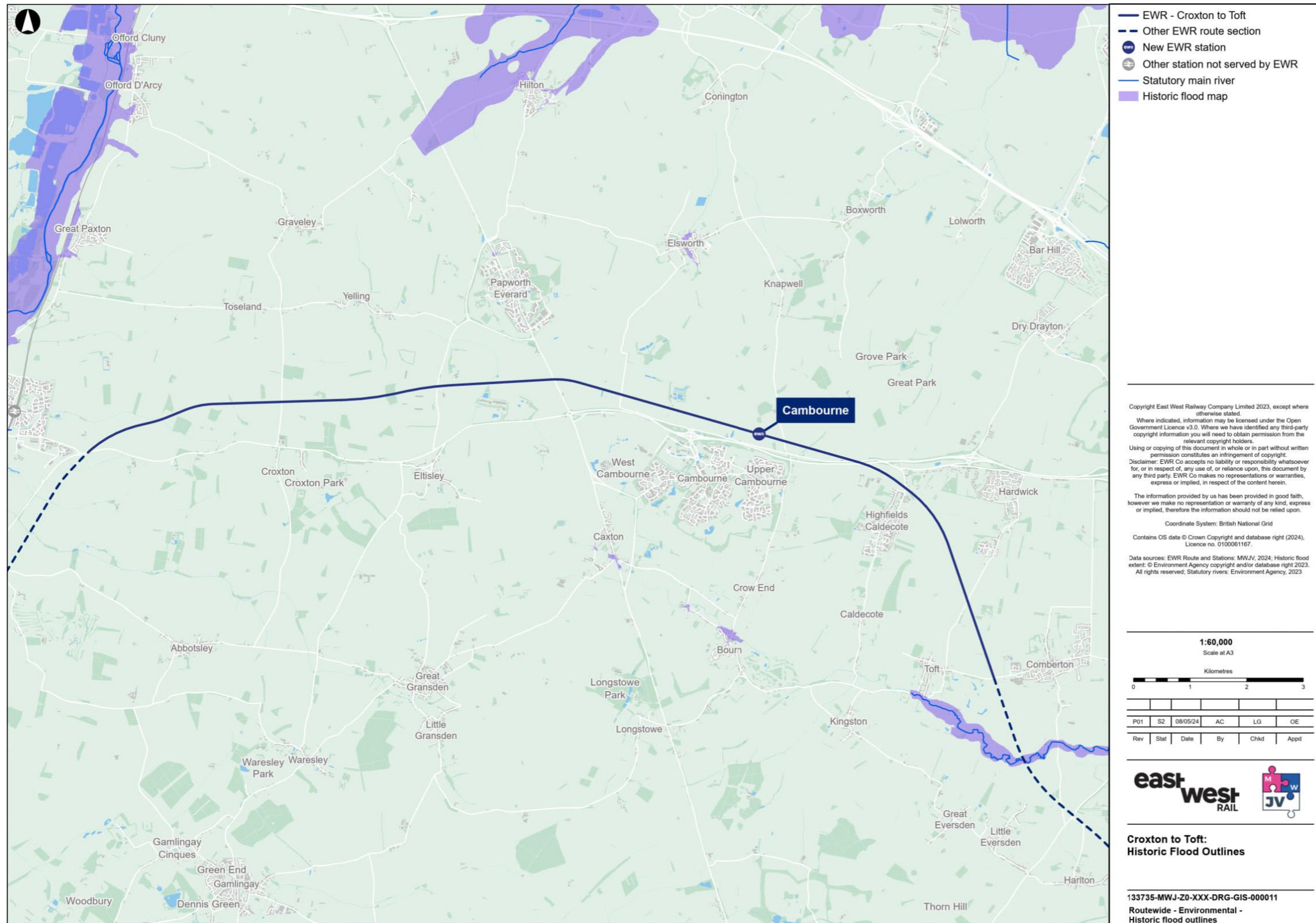
Figure 100 – Roxton to east of St Neots: Historic Flood Outlines.



EWR\_FloodRisk | Historic Flood Map - RS 5 | 17 May 2024



Figure 101 – Croxton to Toft: Historic Flood Outlines.



- EWR - Croxton to Toft
- - - Other EWR route section
- New EWR station
- Other station not served by EWR
- Statutory main river
- Historic flood map

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 Coordinate System: British National Grid  
 Contains OS data © Crown Copyright and database right (2024), Licence no. 0100061167.  
 Data sources: EWR Route and Stations: MWJV, 2024; Historic flood extent: © Environment Agency copyright and/or database right 2023. All rights reserved. Statutory rivers: Environment Agency, 2023

**1:60,000**  
 Scale at A3

Kilometres

P01	S2	08/05/24	AC	LG	OE
Rev	Stat	Date	By	Chkd	Appd



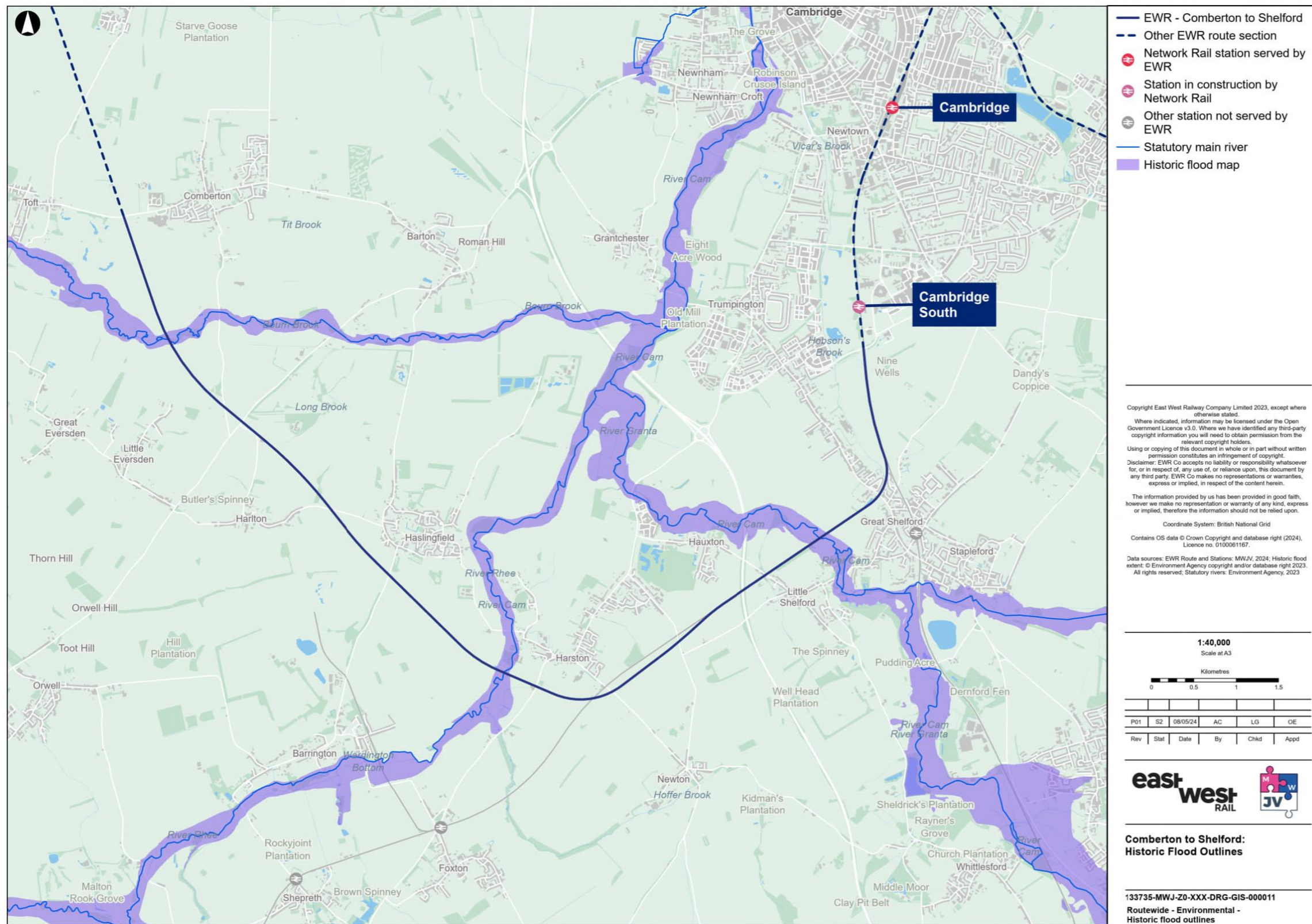
**Croxton to Toft:  
 Historic Flood Outlines**

133735-MWJ-Z0-XXX-DRG-GIS-000011  
 Routewide - Environmental -  
 Historic flood outlines

EWR\_FloodRisk | Historic Flood Map - RS 6 | 08 May 2024



Figure 102 – Comberton to Shelford: Historic Flood Outlines.



EWR\_FloodRisk | Historic Flood Map - RS 7 | 08 May 2024



Figure 103 – Cambridge: Historic Flood Outlines.



EWR\_FloodRisk | Historic Flood Map - RS 6 | 08 May 2024