

# East Midlands Gateway Phase 2 (EMG2)

Document DCO 6.6A/MCO 6.6A (Part 4)

ENVIRONMENTAL STATEMENT

Technical Appendices

Appendix 6A

# Transport Assessment

~~October 2025~~ April 2026

# 06

The East Midlands Gateway Phase 2  
and Highway Order 202X and The East Midlands Gateway  
Rail Freight and Highway (Amendment) Order 202X

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**SEGRO**

**The East Midlands Gateway Phase 2 and  
Highway Order 202X and The East Midlands  
Gateway Rail Freight and Highway (Amendment)  
Order 202X**

**APPENDIX 6.6A TRANSPORT ASSESSMENT  
(PART 4)  
(DOCUMENT DCO 6.6A/MCO 6.6A)**

<b><u>Version</u></b>	<b><u>Date</u></b>	<b><u>Status of Version</u></b>
<u>0</u>	<u>October 2025</u>	<u>Submission</u>
<u>1</u>	<u>April 2026</u>	<u>Deadline 1</u>

**APPENDIX 43: List of Road Layout departures from standard for proposed scheme**

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DAS Reference	Designers Departure Reference	Likely Departure Safety Risk Category	Design Standard	Departure Location	Departure Summary	Status (31/03/26)
<del>TBC106555</del>	G1	A	CD 122 para 4.5	M1 northbound mainline J23A-24	Weaving length is reduced below existing; Minimum weaving length is less than 2km	<b>Approved</b>
<del>TBC106556</del>	G2	A	CD 122 para 3.36	M1 northbound J24A & J24 exit spacing	Spacing of successive diverges is less than 3.75m measured between tips of noses	<b>Approved</b>
<del>TBC106558</del>	G3	A	CD 122 para 4.7	M1 northbound mainline J23A-24	No. lanes is less than that calculated for weaving section	<b>Approved</b>
<del>TBC106557</del>	G4	A	CD 122 para 3.34	M1 northbound J24A exit	SSD into the diverge is below desirable minimum	<b>Approved</b>
<del>TBC106560</del>	<del>G6G7</del>	A	CD 122 para 1.3	M1 northbound to A50 westbound	Relaxation below desirable minimum <del>crest KSSD</del> value for interchange link (value of <del>crest K</del> minimum SSD varies per option), for bridge options 2B and 2D it includes a reduction below desirable minimum SSD on the immediate approach to the A50 merge	<b>Approved</b>
<del>TBC106559</del>	<del>G7G8</del>	A	CD <del>122</del> 127 para 4.1.3	M1 northbound to A50 westbound <u>bridge at A453</u>	<del>Relaxation below desirable minimum SSD value for interchange link (value of minimum SSD varies per option), for bridge options 2B and 2D it includes a reduction below desirable minimum SSD on the immediate approach to the A50 merge</del> Reduction in headroom from 6.45m to 5.84m over a high load route	<b>Approved</b>
<del>TBC106562</del>	<del>G8G9</del>	A	CD <del>127</del> para 4.1.22	<del>M1 northbound to A50 westbound bridge at A453</del> merge	<u>Aspect not covered, layout G option 2 merge but without three lane (width) from reduction taper to downstream merge</u> Reduction in headroom from 6.45m to 5.84m over a high load route	<b>Approved</b>
<del>TBC106561</del>	<del>G9G10</del>	A	CD 122 <u>para 1.3</u>	<u>M1 northbound to A50 westbound merge</u>	<u>Reduction below desirable minimum SSD on an interchange link and on the immediate approach to the merge</u> <del>Aspect not covered, layout G option 2 merge but without three lane (width) from reduction taper to downstream merge</del>	<b>Approved</b>
<del>TBC106939</del>	<del>G10G12</del>	A	CD <del>122</del> 116 para 1.3.26	M1 northbound <del>to A50 westbound</del> J24 exit: <u>entry deflection</u>	<del>Reduction below desirable minimum SSD on an interchange link and on the immediate approach to the merge</del> Entry deflection exceeds 100m	<b>Approved</b>

DAS Reference	Designers Departure Reference	Likely Departure Safety Risk Category	Design Standard	Departure Location	Departure Summary	Status (31/03/26)
<del>TBC106888</del>	<del>G11G13</del>	A	CD <del>195</del> <u>122</u> para <del>E/3.2026</del>	<del>A453 cycle track</del> M1 northbound J24A diverge layout	<del>Horizontal radii of 11.5m</del> Diverge layout has less capacity than that required by CD 122	<b>Approved</b>
<del>TBC106889</del>	<del>G12G14</del>	A	CD <del>116</del> <u>122</u> para <del>3.265.17</del>	M1 northbound J24 exit: <del>entry deflection to A50 westbound</del>	<del>Entry deflection exceeds 100m</del> Cross-section of interchange link is proposed to be IL1A where as IL2A is required based on predicted traffic	<b>Approved</b>
<del>TBC107063</del>	S1	A	CD 146 para 3.4	M1 northbound J24A exit	Final direction sign more than 50m upstream of ExDP	<b>In preparation</b>
<del>TBC107064</del>	S2	A	CD 146 para 3.2	M1 northbound J24A exit	½ mile secondary direction sign, 907m upstream of ExDP, 22m out of tolerance	<b>In preparation</b>
<del>TBC107066</del>	S3	A	CD 146 para 3.2	M1 northbound J24 exit	¾ mile secondary direction sign is proposed at 14m out of tolerance upstream	<b>In preparation</b>
<del>TBC107067</del>	S5	A	CD 146 para 4.19	M1 northbound J24A exit	Omission of confirmatory ALS	<b>In preparation</b>
<del>TBC107068</del>	S6	A	CD 146 para 4.25	M1 northbound J24A exit	Primary VMS is located 773m upstream of the primary direction sign	<b>In preparation</b>

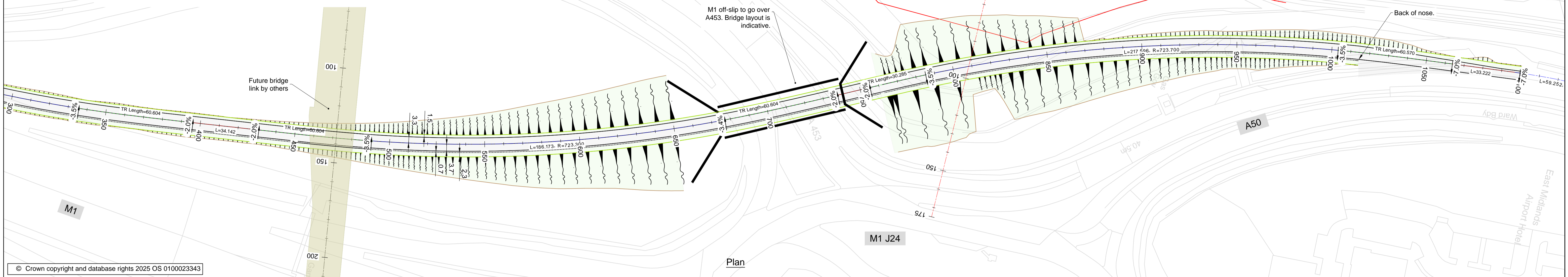


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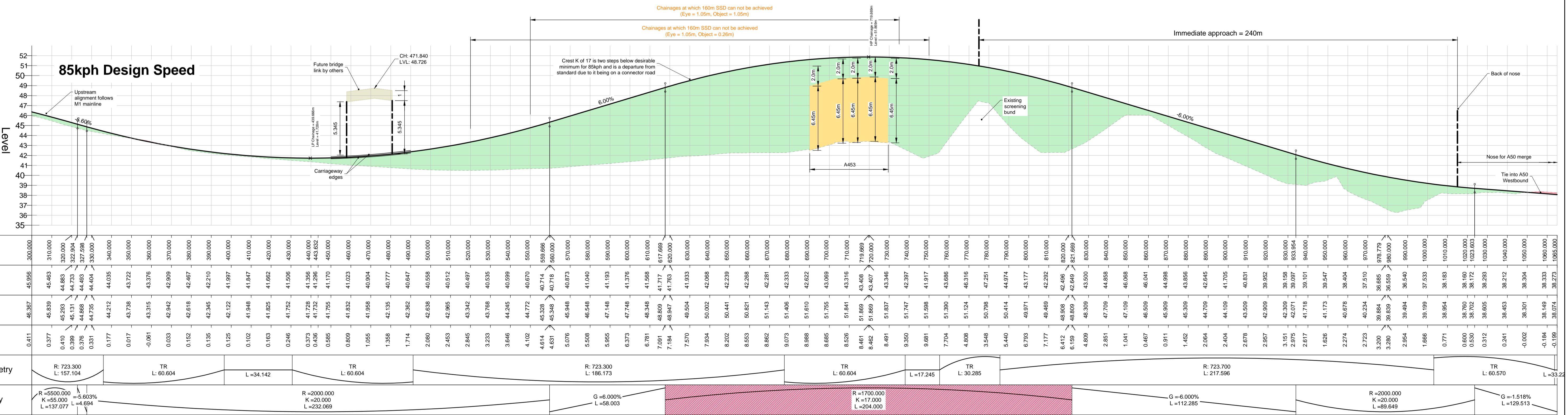
Chainage	Existing Levels
10,000	42.279
20,000	41.802
30,000	41.895
40,000	41.892
50,000	42.102
60,000	42.181
70,000	42.241
80,000	42.280
90,000	42.280
100,000	44.408
105,000	46.215
110,000	46.566
120,000	42.997
130,000	39.875
140,000	40.437
150,000	41.341
160,000	41.643
170,000	41.855

CH 810M SECTION LONGSECTION  
SCALE: H 1:1000, V 1:1000. DATUM: 35.000



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M1 NB TO A50 WB LINK LONGSECTION OPT 2A (NATURAL SCALE)  
SCALE: H 1:1000, V 1:1000. DATUM: 35.000



M1 NB TO A50 WB LINK LONGSECTION OPT 2A  
SCALE: H 1:1000, V 1:200. DATUM: 35.000

**Notes**

- Do not scale this drawing. All dimensions must be checked/ verified on site. If in doubt ask.
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- All dimensions in metres unless noted otherwise. All levels in metres unless noted otherwise.
- Any discrepancies noted on site are to be reported to the engineer immediately.

**Legend**

[Symbol]	Issue / Revision
[Symbol]	Drawn
[Symbol]	Reviewed
[Symbol]	Checked
[Symbol]	Approved

**ISSUES & REVISIONS**

Rev	Date	Details of issue / revision	Drw	Rev
P01	09.10.24	Issue for information	MS	SH
P02	16.10.24	Clearance under structure increased to 6.45m	MS	SH
P03	05.02.25	Additional annotation to profile, bridge link shown	MS	SH

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**SEGRO**

Client: **SEGRO**

Drawn: M.S. | Reviewed: S.H. | Scale: 1:1000

BWB Ref: 220500 | Date: 08.10.24

Project Title: **East Midlands Gateway 2**

Drawing Title: **M1 Northbound to A50 Westbound Interchange Link Option 2A / 2C - Crest of k17**

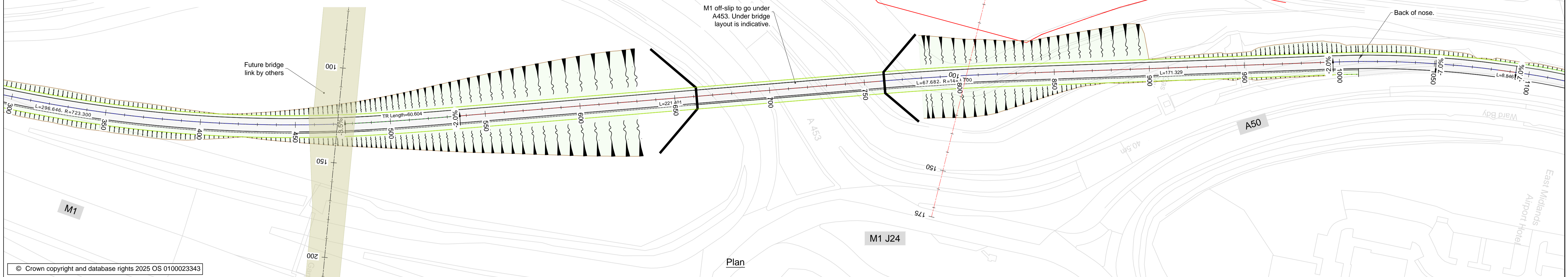
Drawing Status: **FOR INFORMATION**

Project - Originator - Zone - Level - Type - Role - Number: **EMG2-BWB-GEN-XX-SK-CH-018**

Status: **S2** | Rev: **P03**

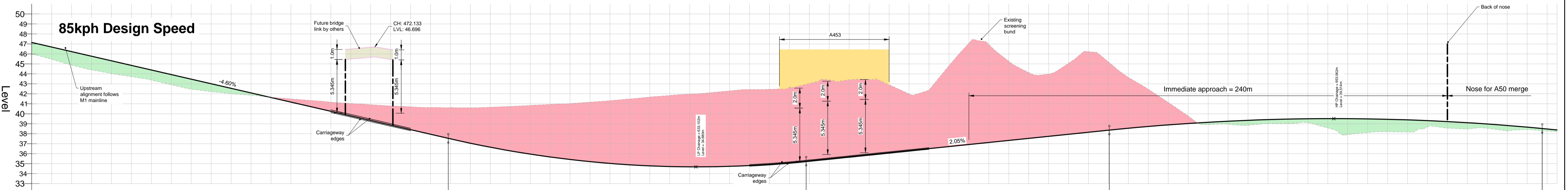
Chainage	Existing Levels
10,000	42.279
20,000	41.802
30,000	41.895
40,000	41.892
50,000	42.102
60,000	42.181
70,000	42.241
80,000	42.280
90,000	42.280
100,000	44.408
105,000	46.215
110,000	46.556
120,000	42.997
130,000	39.875
140,000	40.437
150,000	41.341
160,000	41.643
170,000	41.855

CH 810M SECTION LONGSECTION  
SCALE: H 1:1000,V 1:1000. DATUM: 35.000



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M1 NB TO A50 WB LINK LONGSECTION OPT 1 (NATURAL SCALE)  
SCALE: H 1:1000,V 1:1000. DATUM: 33.000



Chainage	Existing Levels	Proposed Levels	Level Difference	Horizontal Geometry	Vertical Geometry
300,000	45.956	47.148	1.191		
310,000	45.464	46.687	1.223		
320,000	44.886	46.227	1.341		
330,000	44.405	45.767	1.362		
340,000	44.035	45.307	1.273		
350,000	43.721	44.847	1.126		
360,000	43.376	44.387	1.011		
370,000	42.999	43.927	1.018		
380,000	42.470	43.467	0.997		
390,000	42.222	43.007	0.785		
400,000	42.018	42.547	0.528		
410,000	41.866	42.087	0.221		
420,000	41.654	41.627	-0.027		
430,000	41.490	41.167	-0.323		
440,000	41.335	40.707	-0.628		
450,000	41.167	40.247	-0.921		
460,000	41.032	39.787	-1.246		
470,000	40.910	39.326	-1.583		
480,000	40.775	38.866	-1.909		
490,000	40.684	38.406	-2.288		
500,000	40.628	37.946	-2.682		
510,000	40.608	37.538	-3.070		
520,000	40.612	37.496	-3.126		
530,000	40.596	37.049	-3.547		
540,000	40.654	36.649	-4.005		
550,000	40.738	36.285	-4.453		
560,000	40.834	35.859	-4.875		
570,000	40.939	35.670	-5.269		
580,000	41.025	35.416	-5.606		
590,000	41.163	35.202	-5.961		
600,000	41.315	35.024	-6.291		
610,000	41.465	34.900	-6.565		
620,000	41.465	34.883	-6.582		
630,000	41.678	34.779	-6.899		
640,000	41.834	34.712	-7.122		
650,000	41.970	34.682	-7.288		
660,000	42.105	34.689	-7.416		
670,000	42.223	34.723	-7.500		
680,000	42.433	34.814	-7.619		
690,000	42.443	34.832	-7.611		
700,000	42.655	35.087	-7.568		
710,000	42.864	35.247	-7.617		
720,000	43.045	35.279	-7.766		
730,000	43.397	35.484	-7.913		
740,000	43.414	35.689	-7.725		
750,000	43.440	35.884	-7.556		
760,000	42.907	36.099	-6.808		
770,000	41.987	36.303	-5.684		
780,000	42.372	36.508	-5.863		
790,000	44.796	36.713	-8.083		
800,000	47.066	36.918	-10.150		
810,000	46.940	37.123	-9.818		
820,000	45.270	37.327	-7.942		
830,000	44.132	37.532	-6.599		
840,000	43.995	37.737	-6.246		
850,000	45.056	37.942	-7.114		
860,000	46.221	38.147	-8.075		
870,000	45.190	38.352	-6.838		
880,000	45.122	38.360	-6.762		
890,000	43.637	38.548	-5.089		
900,000	42.448	38.726	-3.722		
910,000	41.133	38.886	-2.247		
920,000	39.791	39.029	-0.752		
930,000	38.914	39.152	0.238		
940,000	38.950	39.256	0.307		
950,000	38.853	39.345	0.492		
960,000	39.000	39.414	0.385		
970,000	39.039	39.465	0.426		
980,000	39.113	39.498	0.385		
990,000	38.634	39.512	0.878		
1000,000	38.677	39.513	0.835		
1010,000	37.904	39.509	1.606		
1020,000	38.119	39.488	1.368		
1030,000	38.189	39.448	1.248		
1040,000	38.174	39.390	1.216		
1050,000	38.676	39.313	0.635		
1060,000	38.568	39.219	0.651		
1070,000	38.476	39.105	0.630		
1080,000	38.555	38.976	0.421		
1090,000	38.276	38.827	0.547		
1100,000	38.425	38.659	0.234		
1110,000	38.507	38.521	0.218		
1120,000	38.276	38.475	0.198		
1130,000	38.222	38.380	0.158		

M1 NB TO A50 WB LINK LONGSECTION OPT 1  
SCALE: H 1:1000,V 1:200. DATUM: 33.000

**Notes**

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Rev	Date	Details of issue / revision	Drw	Rev
P01	07.02.25	Issue for information	MS	SH

Client	Project Title	Drawing Title
SEGRO	East Midlands Gateway 2	M1 Northbound to A50 Westbound Interchange Link Option 1

Drawn	Reviewed	Scale
M.S	S.H	1:1000

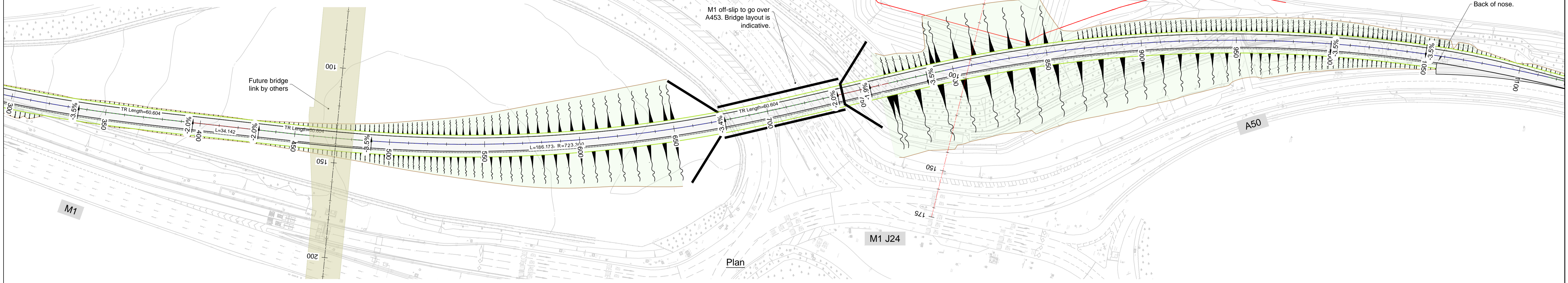
Project - Originator - Zone - Level - Type - Role - Number	Status	Rev
EMG2-BWB-GEN-XX-SK-CH-030	S2	P01

Client	Project Title	Drawing Title
SEGRO	East Midlands Gateway 2	M1 Northbound to A50 Westbound Interchange Link Option 1

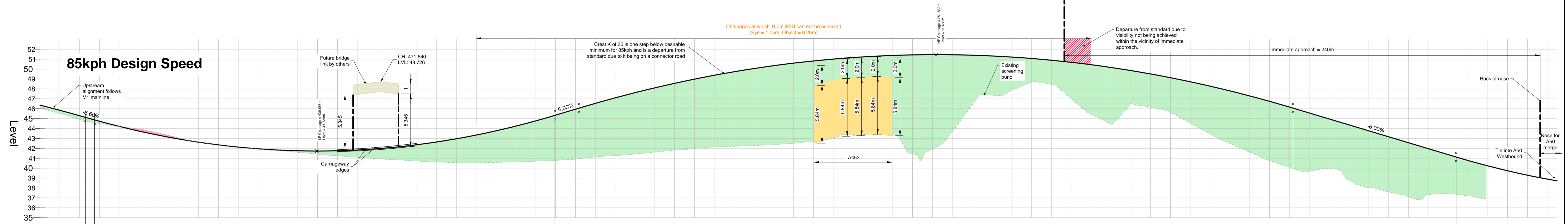


Chainage	Existing Levels
0.000	
10.000	
20.000	
30.000	
40.000	41.980
50.000	42.031
60.000	42.165
70.000	42.151
80.000	42.187
90.000	44.187
100.000	47.851
110.000	47.724
120.000	46.819
130.000	46.468
140.000	43.183
150.000	39.840
160.000	40.099
170.000	41.013
180.000	41.643
190.000	41.874

CH 810M SECTION LONGSECTION  
SCALE: H 1:1000,V 1:1000. DATUM: 35.000



M1 NB to A50 WB LINK LONGSECTION OPT 2B (NATURAL SCALE)  
SCALE: H 1:1000,V 1:1000. DATUM: 35.000



Chainage	Existing Levels	Proposed Levels	Level Difference	Horizontal Geometry	Vertical Geometry
300.000	45.956	46.367	0.411		
310.000	45.463	46.839	0.377	R: 723.300 L: 157.104	R = 5500.000 K = 55.000 L = 137.077
320.000	44.883	45.293	0.410	TR L: 60.604	
325.904	44.733	45.151	0.399		
327.598	44.483	44.868	0.376	L = 34.142	
330.000	44.404	44.735	0.331	TR L: 60.604	
340.000	44.035	44.412	0.177		
350.000	43.722	43.728	0.017		
360.000	43.376	43.315	-0.061		
370.000	42.999	42.842	0.033		
380.000	42.467	42.516	0.152		
390.000	42.210	42.345	0.135		
400.000	41.997	42.122	0.125		
410.000	41.847	41.948	0.102		
420.000	41.662	41.825	0.163		
430.000	41.506	41.752	0.246		
440.000	41.356	41.729	0.373		
450.000	41.296	41.732	0.436		
460.000	41.170	41.755	0.585		
470.000	41.023	41.832	0.809		
480.000	40.904	41.959	1.055		
490.000	40.777	42.155	1.358		
500.000	40.647	42.382	1.714		
510.000	40.558	42.638	2.080		
520.000	40.512	42.865	2.453		
530.000	40.497	43.342	2.845		
540.000	40.536	43.768	3.233		
550.000	40.598	44.245	3.646		
560.000	40.670	44.772	4.102		
570.000	40.714	45.328	4.614		
580.000	40.718	45.348	4.631		
590.000	40.823	45.948	5.076		
600.000	40.902	46.058	5.156		
610.000	41.040	46.537	5.497		
620.000	41.193	47.093	5.900		
630.000	41.376	47.616	6.240		
640.000	41.568	48.108	6.538		
650.000	41.760	48.582	6.799		
660.000	41.933	48.984	7.051		
670.000	42.068	49.374	7.306		
680.000	42.239	49.720	7.481		
690.000	42.268	50.053	7.785		
700.000	42.281	50.342	8.061		
710.000	42.333	50.598	8.265		
720.000	42.622	50.821	8.199		
730.000	43.089	51.011	7.941		
740.000	43.316	51.167	7.851		
750.000	43.407	51.289	7.883		
760.000	43.346	51.379	8.033		
770.000	42.397	51.435	9.038		
780.000	41.917	51.458	9.541		
790.000	42.037	51.458	9.421		
800.000	43.686	51.447	7.761		
810.000	46.321	51.403	5.083		
820.000	47.243	51.326	4.083		
830.000	44.919	51.216	6.296		
840.000	43.068	51.072	8.000		
850.000	42.290	50.884	8.604		
860.000	42.271	50.884	8.413		
870.000	45.438	48.131	3.695		
880.000	44.345	48.721	4.376		
890.000	43.192	48.277	5.084		
900.000	42.277	47.799	5.522		
910.000	41.440	47.289	5.848		
920.000	40.609	46.745	6.135		
930.000	39.860	46.168	6.307		
940.000	39.732	46.058	6.326		
950.000	39.478	45.568	6.090		
960.000	39.527	44.988	5.461		
970.000	38.632	44.388	5.736		
980.000	38.014	43.768	5.755		
990.000	37.485	43.168	5.683		
1000.000	36.971	42.568	5.598		
1010.000	37.398	41.988	4.600		
1020.000	37.896	41.388	3.472		
1030.000	38.196	41.126	3.241		
1040.000	38.201	40.777	2.896		
1050.000	38.118	40.232	2.291		
1055.000	38.118	39.737	1.607		
1060.000	38.118	39.292	1.186		
1065.000	38.118	38.976	0.780		
1070.000	38.118	38.896	0.695		
1075.000	38.118	38.717	0.538		

M1 NB TO A50 WB LINK LONGSECTION OPT 2B  
SCALE: H 1:1000,V 1:200. DATUM: 35.000

**Notes**

- Do not scale this drawing. All dimensions must be checked/ verified on site. If in doubt ask.
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**Legend**

[Symbol]	[Description]
[Symbol]	[Description]
[Symbol]	[Description]

**ISSUES & REVISIONS**

Rev	Date	Details of issue / revision	Drw	Rev
P01	07.02.25	Issue for information	MS	SH

**BWB**  
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**SEGRO**

Client: [Name]

Project Title: **East Midlands Gateway 2**

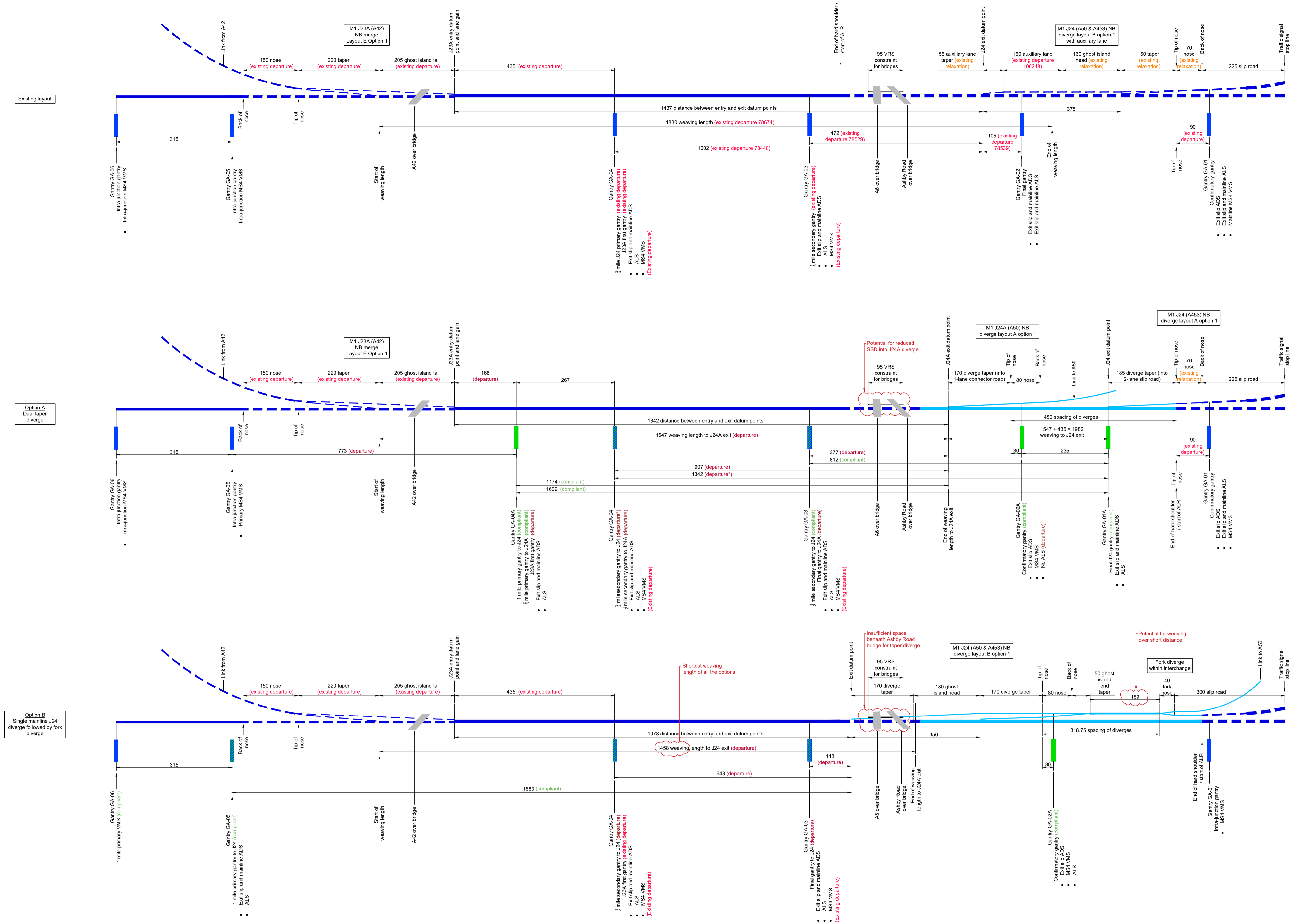
Drawing Title: **M1 Northbound to A50 Westbound Interchange Link Option 2B / 2D - Crest of k30**

Drawn: M.S. | Reviewed: S.H. | Scale: 1:1000

BWB Ref: 220500 | Date: 04.02.25

**FOR INFORMATION**

Project - Originator - Zone - Level - Type - Role - Number	Status	Rev
EMG2-BWB-GEN-XX-SK-CH-031	S2	P01



**Notes**

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- All dimensions in metres unless noted otherwise. All levels in metres unless noted otherwise.
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**Legend & CD 146 notes**

No. lanes	Motorway links			
	Existing with hard shoulder	Existing without hard shoulder	New / amended with hard shoulder	New / amended without hard shoulder
1	[Blue line]	[Blue line]	[Blue line]	[Blue line]
2	[Blue line]	[Blue line]	[Blue line]	[Blue line]
3	[Blue line]	[Blue line]	[Blue line]	[Blue line]
4	[Blue line]	[Blue line]	[Blue line]	[Blue line]
5	[Blue line]	[Blue line]	[Blue line]	[Blue line]

█ Existing gantry  
█ New gantry  
█ Existing gantry with replacement ADS

**Notes from CD 146 on standard ADS locations:**

- Confirmatory ADS shall be 30-50m downstream of tip of diverge nose
- Final ADS shall be 0-50m upstream of the exit datum point
- 1/2 mile shall be at 536m + 10% - 20m
- 1/4 mile shall be at 805m + 10% - 20m
- 1/8 mile shall be at 1073m + 10% - 20m
- 1 mile shall be at 1609m + 10% - 20m

\* 1/2 mile is not permitted in CD 146 but is prescribed in the TSRGD. 1/2 mile tolerance would be 1207m + 10% - 20m.

**ISSUES & REVISIONS**

Rev	Date	Details of issue / revision	Drw	Rev
P01	24.02.25	Issued for information	SRH	SRH
P02	10.03.25	Weaving length for options C and D amended	SRH	SRH
P03	24.06.25	J23A merge dimensions updated	SRH	SRH
P04	26.08.25	Existing departure IDs added where known	SRH	SRH
P05	14.11.25	Minor amendments to labels	SRH	SRH

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**SEGRO**

Drawn: S. Hilditch  
 Reviewed: S. Hilditch  
 Scale: 1:5,000

Project Title

**EAST MIDLANDS GATEWAY 2 (EMG2)**

Drawing Status

**FOR INFORMATION**

Drawing Title

**M1 NORTHBOUND J23A-24 LAYOUT OPTIONS SHEET 1**

Project - Originator - Zone - Level - Type - Role - Number

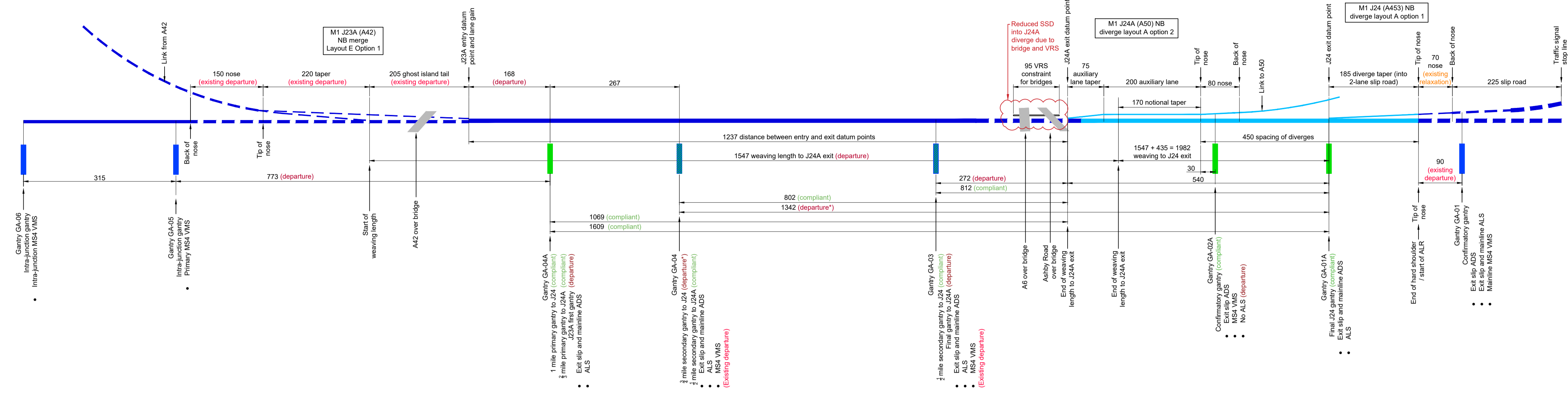
EMG2-BWB-GEN-XX-SK-CH-SK032

Status: **S2**

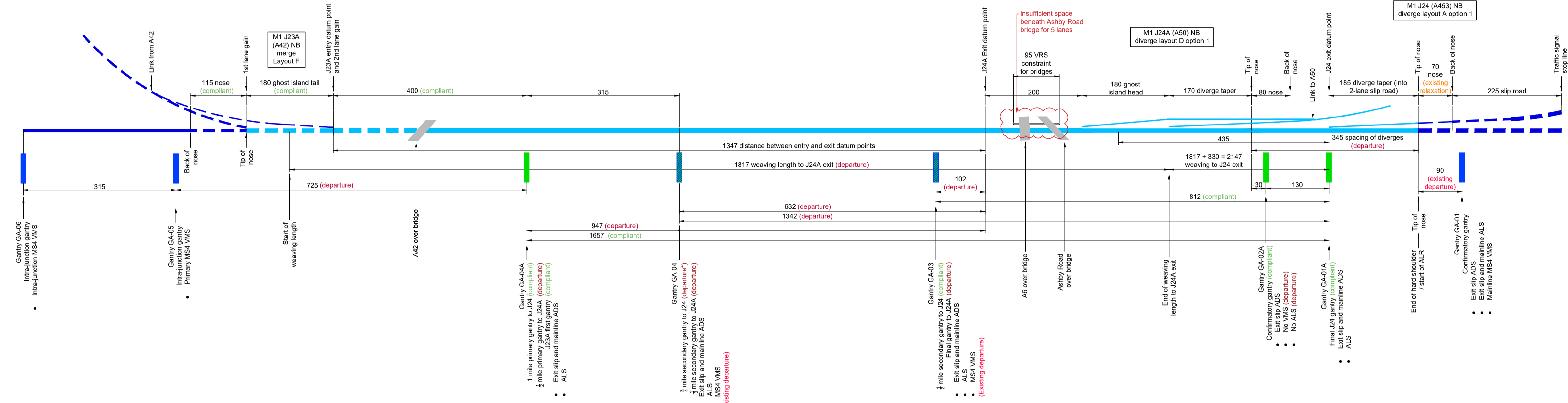
Rev: **P05**



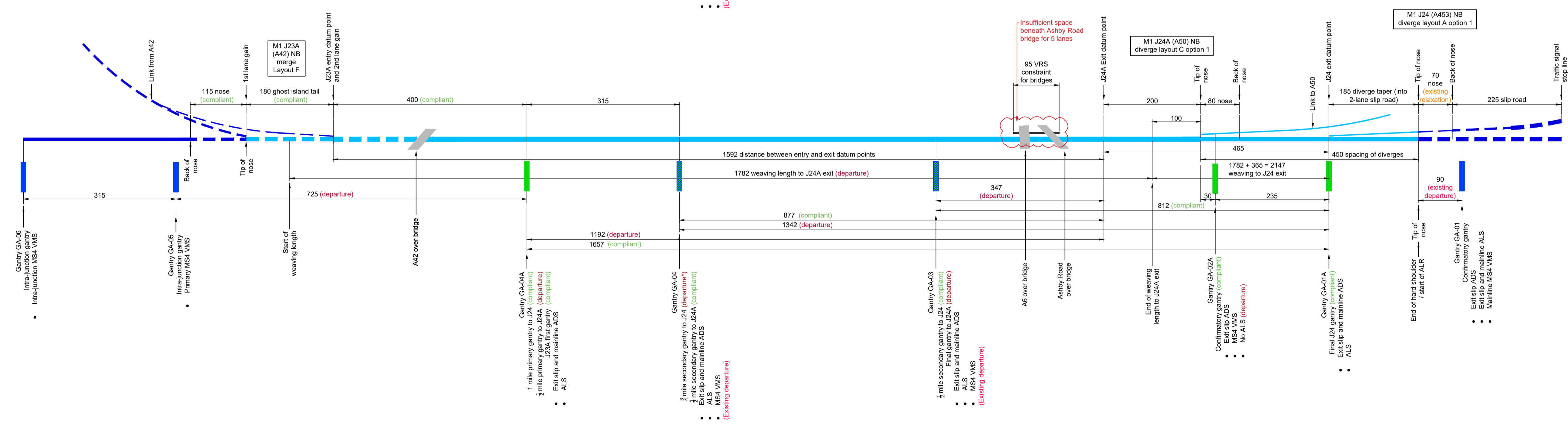
**Option D**  
Auxiliary lane diverge followed by taper diverge (standard spacing)



**Option E**  
Lane drop ghost island diverge followed by taper diverge (reduced spacing)



**Option F**  
Lane drop diverge followed by taper diverge (reduced spacing)



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- Any discrepancies noted on site are to be reported to the engineer immediately.

**Legend & CD 146 notes**

No. lanes	Motorway links			
	Existing with hard shoulder	Existing without hard shoulder	New / amended with hard shoulder	New / amended without hard shoulder
1				
2				
3				
4				
5				

Existing gantry  
 New gantry  
 Existing gantry with replacement ADS

**Notes from CD 146 on standard ADS locations:**

- Confirmatory ADS shall be 30-50m downstream of tip of diverge nose
- Final ADS shall be 0-50m upstream of the exit datum point
- 1 mile shall be at 536m + 10% - 20m
- 1 mile shall be at 805m + 10% - 20m
- 1 mile shall be at 1073m + 10% - 20m
- 1 mile shall be at 1609m + 10% - 20m

\* 1 mile is not permitted in CD 146 but is prescribed in the TSRGD. 1/2 mile tolerance would be 1207m + 10% - 20m.

**ISSUES & REVISIONS**

Rev	Date	Details of issue / revision	Drawn	Reviewed
P01	24.02.25	Issued for information	SRH	SRH
P02	10.03.25	Weaving length for options C and D amended	SRH	SRH
P03	24.06.25	J23A merge updated, option C+ added	SRH	SRH
P04	10.11.25	Option E added, option C+ moved to SK065	SRH	SRH

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Drawn: S. Hilditch  
Reviewed: S. Hilditch  
Scale: 1:5,000

Project Title

**EAST MIDLANDS GATEWAY 2 (EMG2)**

Drawing Status

**FOR INFORMATION**

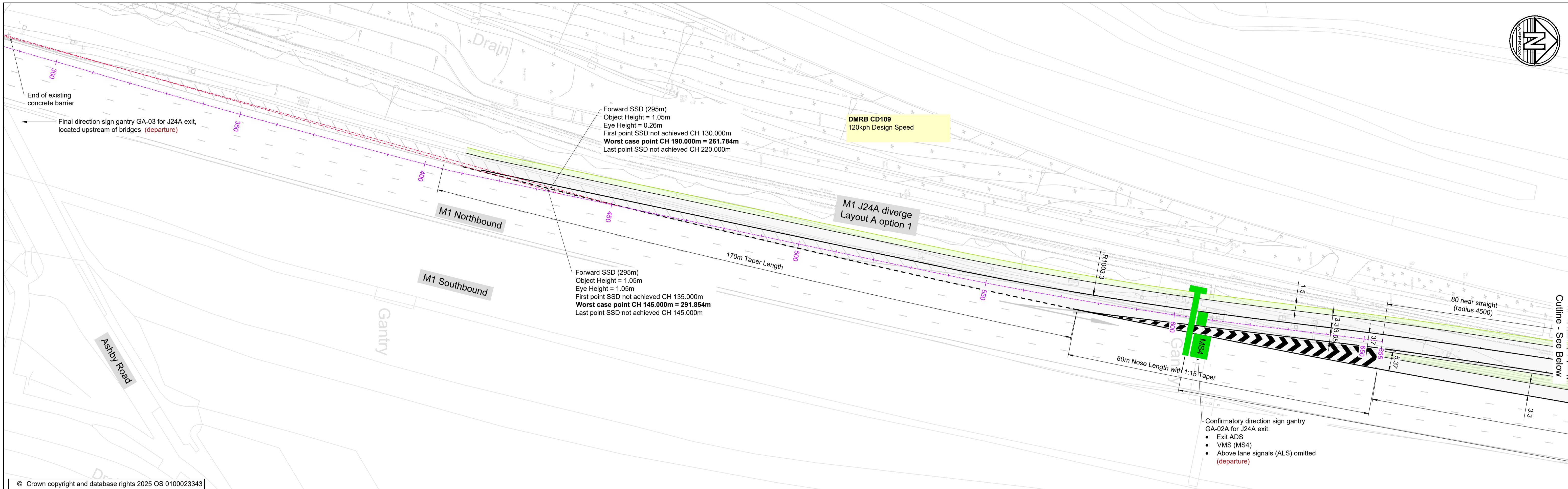
Drawing Title

**M1 NORTHBOUND J23A-24 LAYOUT OPTIONS SHEET 2**

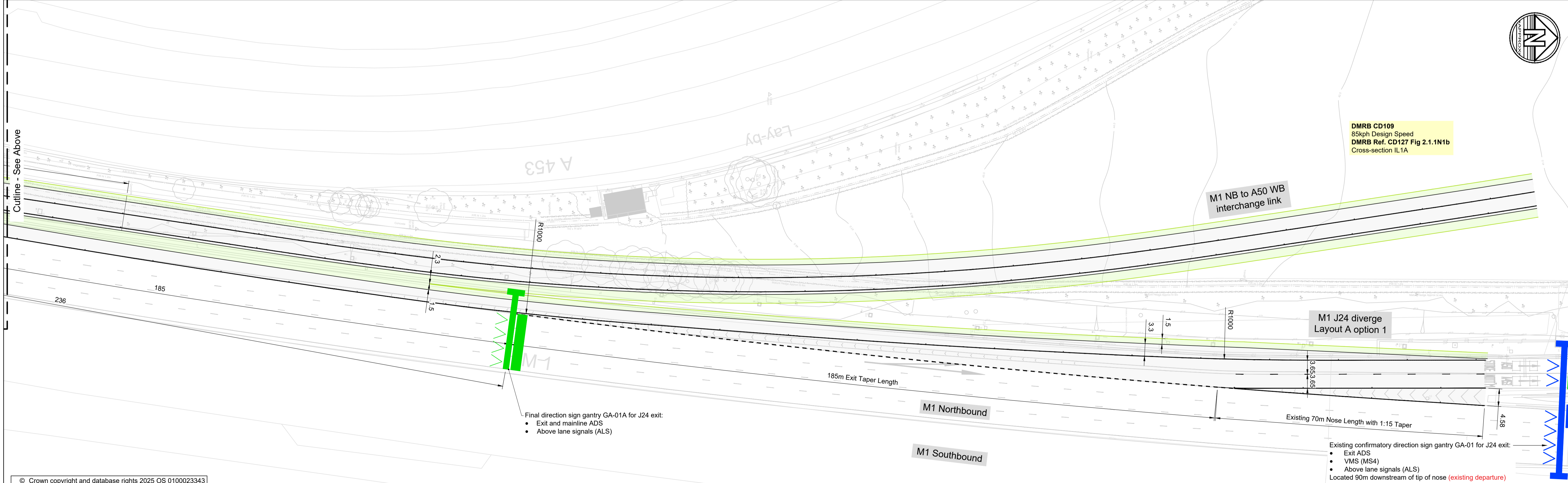
Project - Originator - Zone - Level - Type - Role - Number

EMG2-BWB-GEN-XX-SK-CH-SK033

Status: S2  
Rev: P04



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P01	28.02.25	Issue for information	MS	SH	

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Project Title

**East Midlands Gateway 2**

Drawing Status

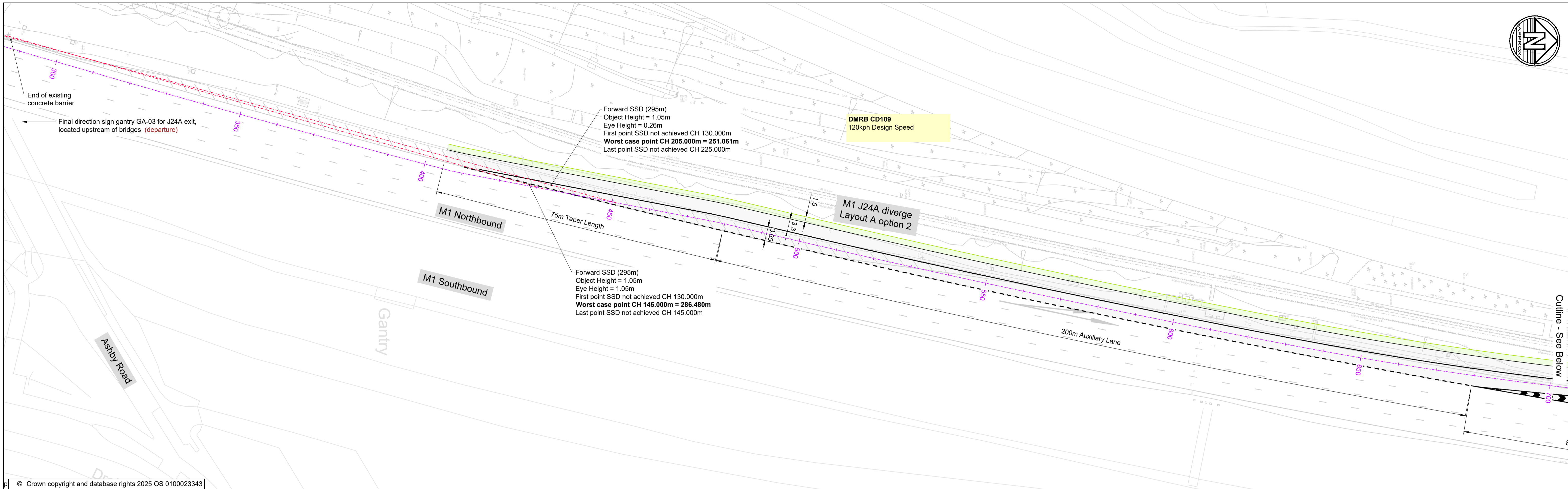
**FOR INFORMATION**

Drawing Title

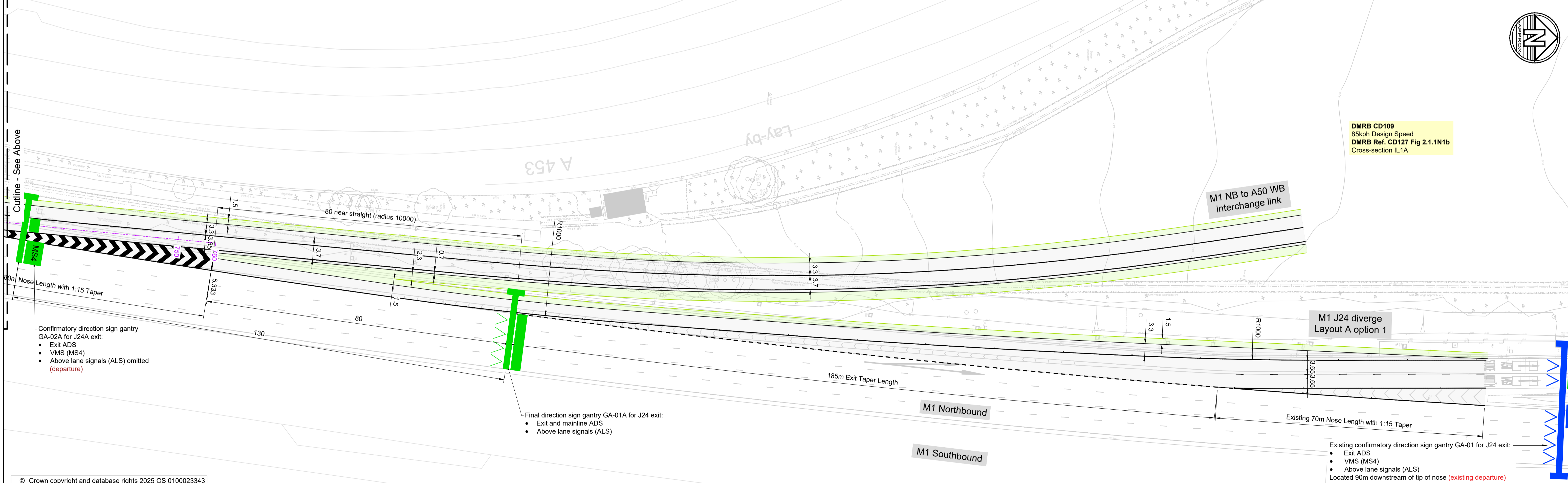
**M1 J24 & 24A Northbound Diverge Layout Option A**

Project - Originator - Zone - Level - Type - Role - Number Status Rev

**EMG2-BWB-GEN-XX-SK-CH-034 S2 P01**



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Rev	Date	Details of issue / revision	Drw	Rev	
P01	28.02.25	Issue for information	MS	SH	

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Project Title

**East Midlands Gateway 2**

Drawing Status

**FOR INFORMATION**

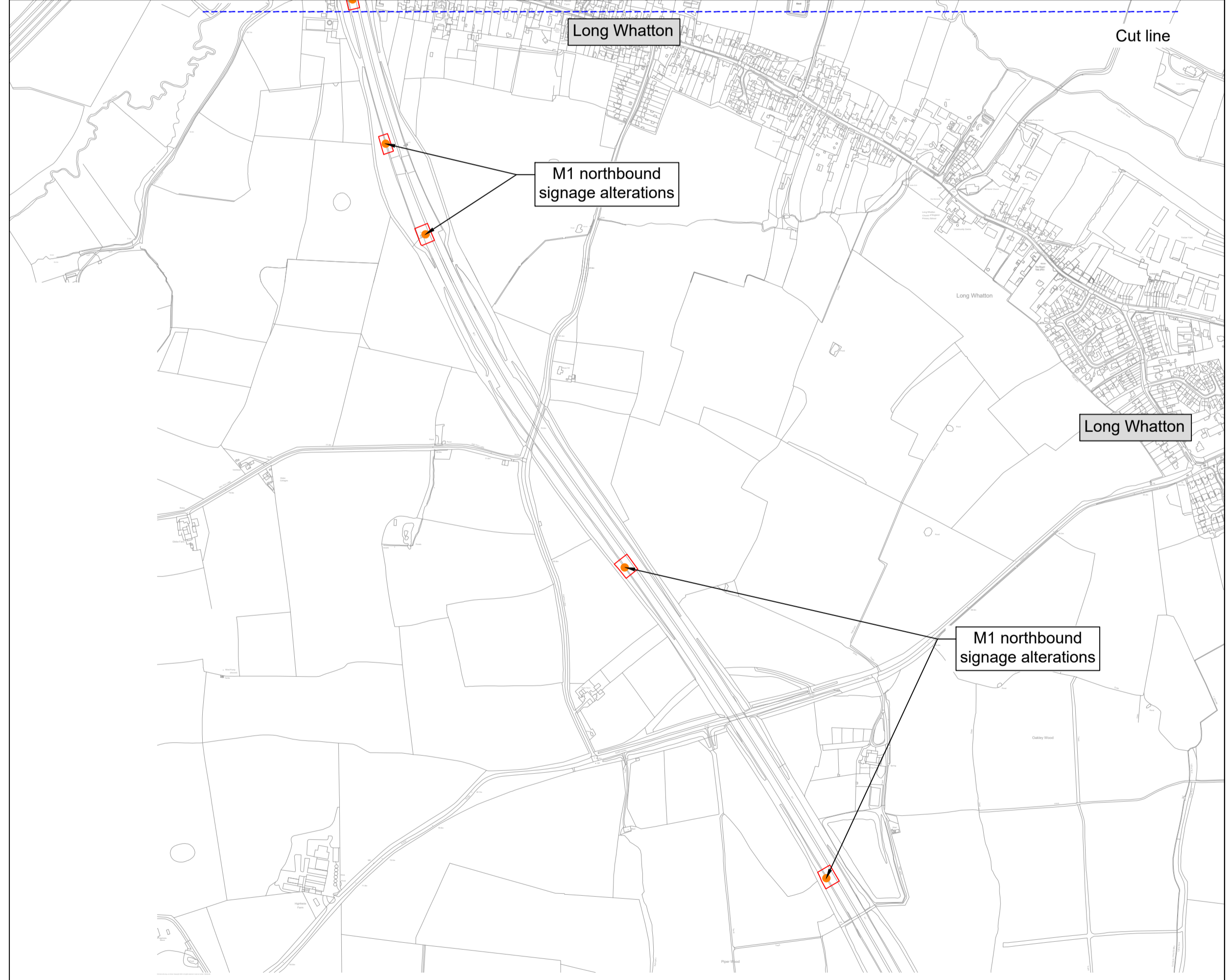
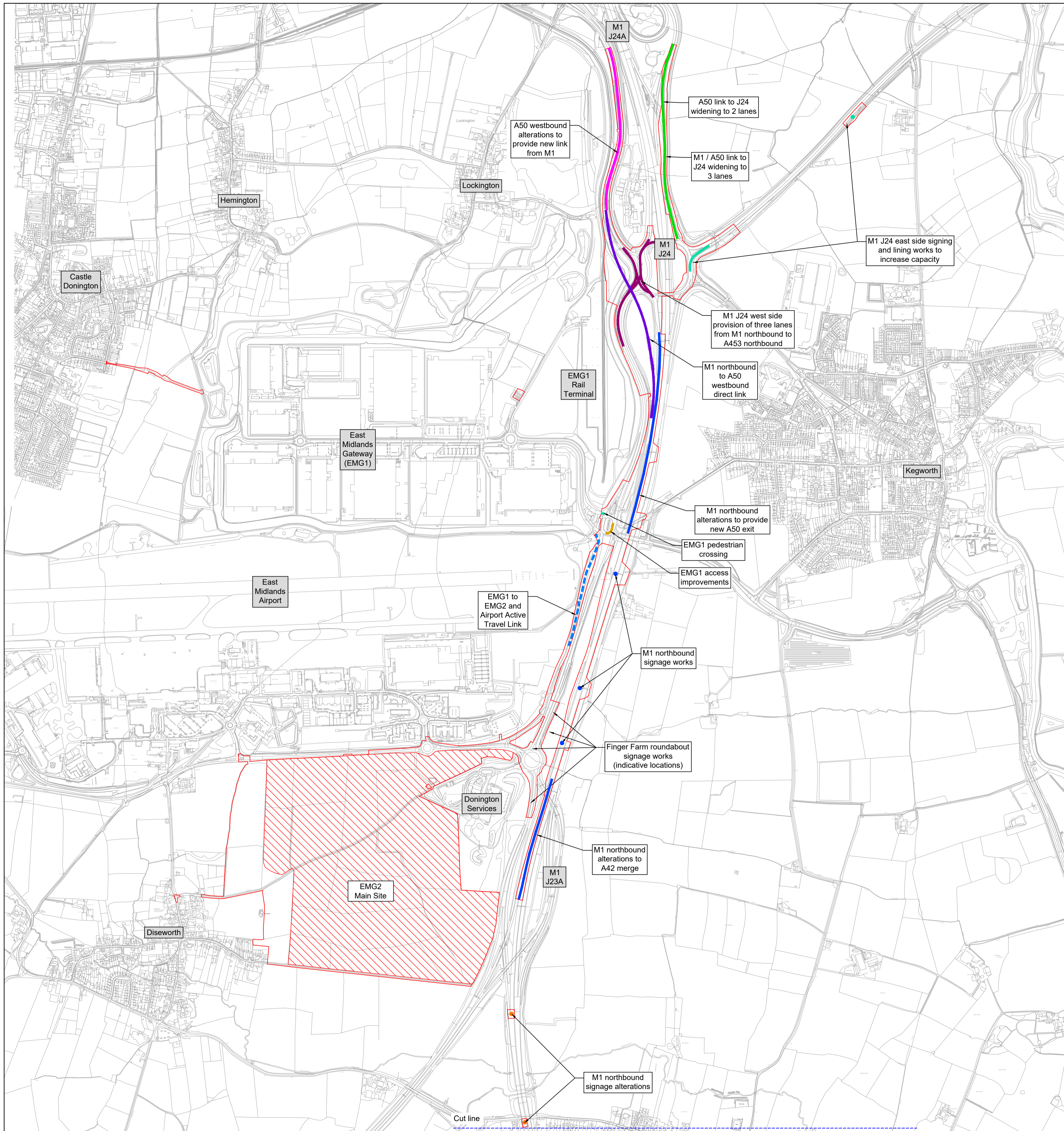
Drawing Title

**M1 J24 & 24A Northbound Diverge Layout Option C**

Project - Originator - Zone - Level - Type - Role - Number      Status      Rev

**EMG2-BWB-GEN-XX-SK-CH-035**      S2      P01





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ISSUES & REVISIONS					
Rev	Date	Details of issue / revision	Drw	Rev	
P01	04.03.25	Issued for information	SRH	SRH	
P02	24.06.25	Scheme updated	SRH	SRH	
P03	26.08.25	Updated to latest order limits	SRH	SRH	

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Project Title

**EAST MIDLANDS GATEWAY 2 (EMG2)**

Drawing Status

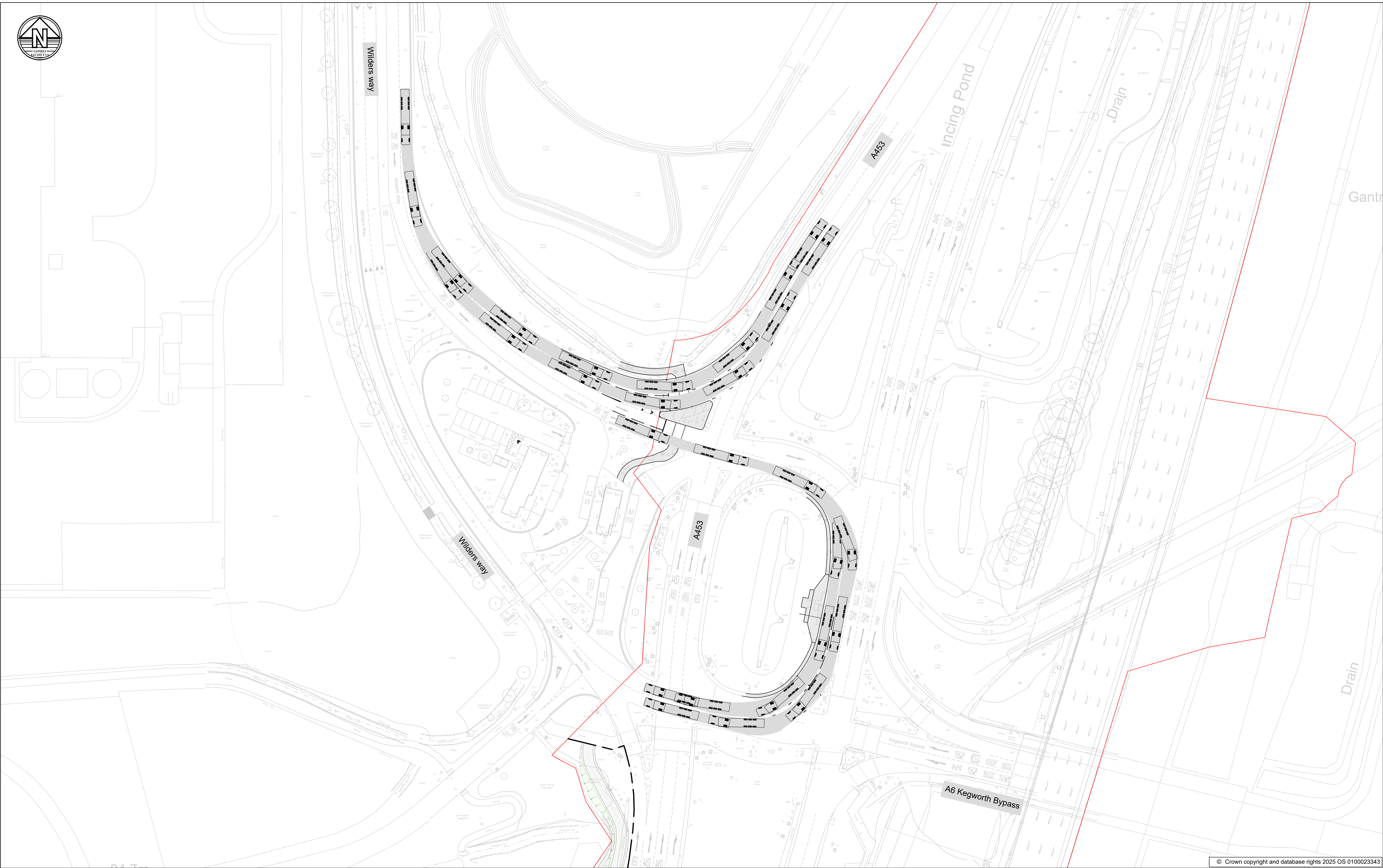
**FOR INFORMATION**

Drawing Title

**OVERVIEW OF WORKS ON THE STRATEGIC ROAD NETWORK**

Project - Originator - Zone - Level - Type - Role - Number    Status    Rev

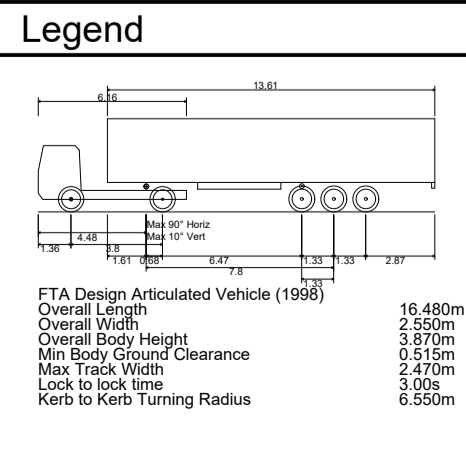
**EMG2-BWB-GEN-XX-SK-CH-SK037    S2    P03**



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Rev	Date	Details of issue / revision	Drw	Rev
P01	04.03.25	Issue for information	MS	SH

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Project Title  
**East Midlands Gateway 2**

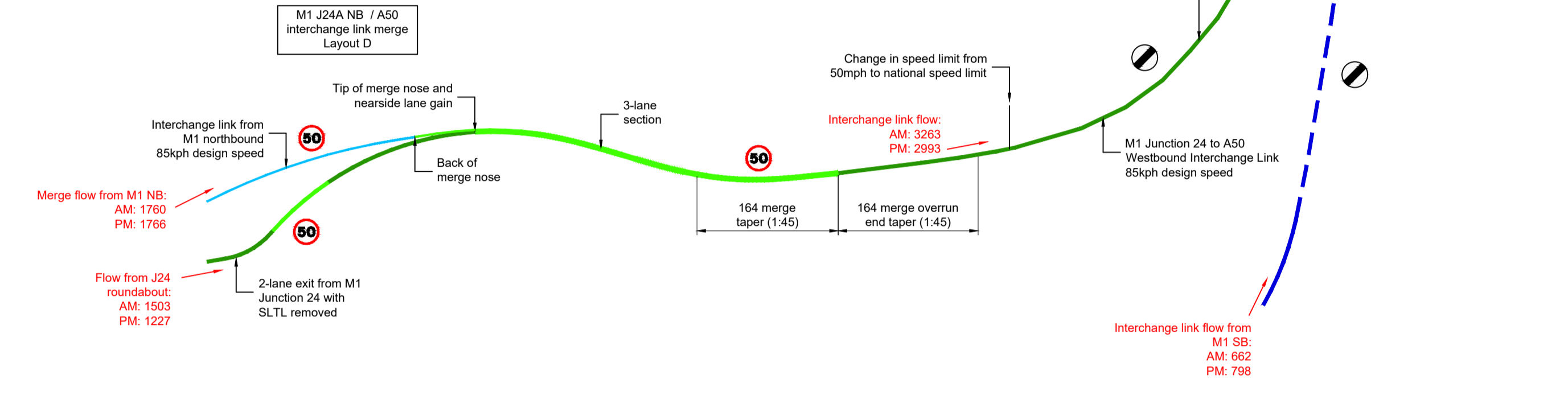
Drawing Status  
**FOR INFORMATION**

Drawing Title  
**Existing EMG1 Junction Vehicle Tracking**

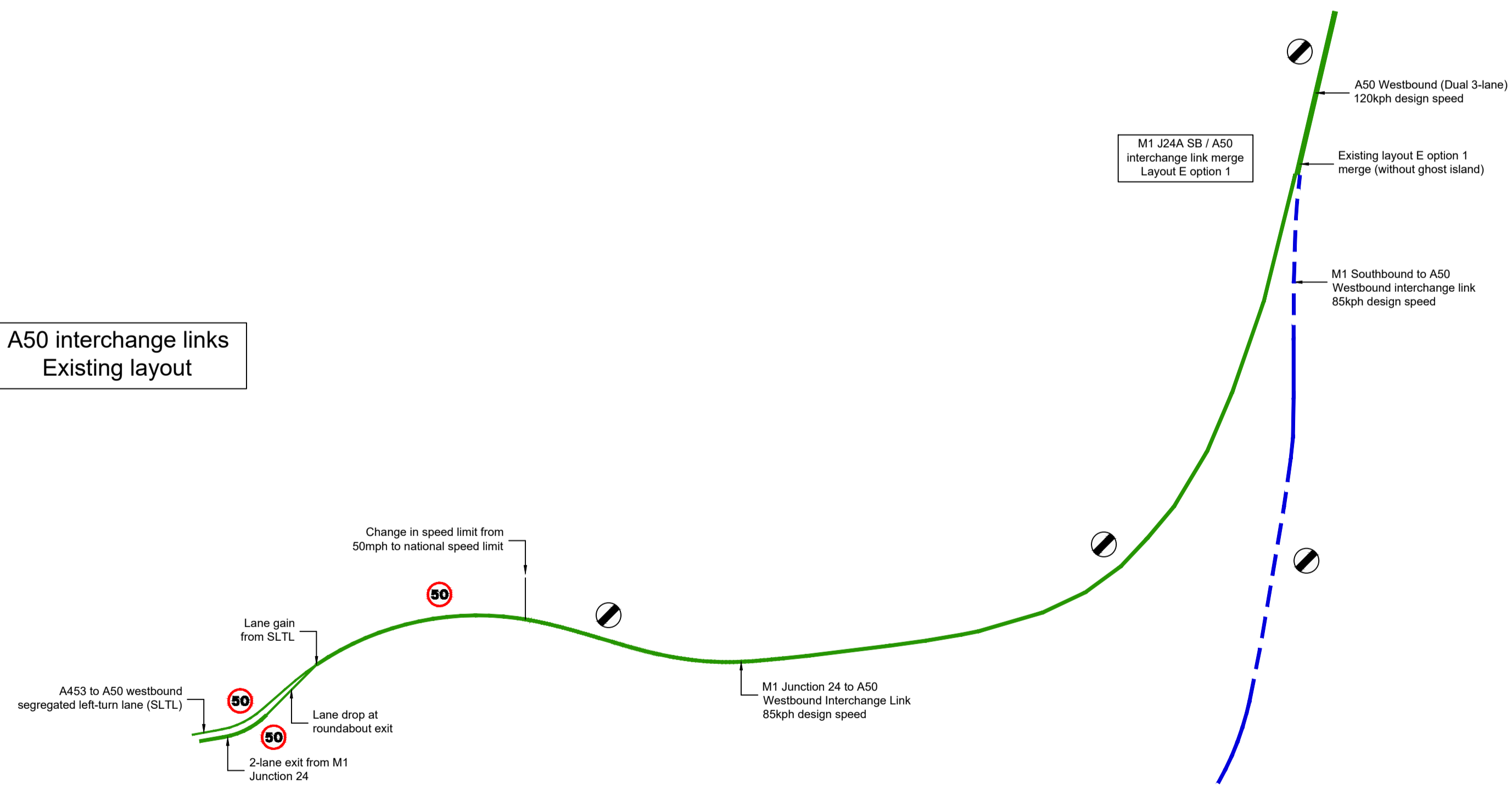
Project - Originator - Zone - Level - Type - Role - Number	Status	Rev
EMG2-BWB-GEN-XX-SK-CH-SK038	S2	P01



A50 interchange links  
Proposed layout



A50 interchange links  
Existing layout



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- Any discrepancies noted on site are to be reported to the engineer immediately.

**Legend**

No. lanes	Links			
	Existing motorway with hard shoulder	Existing motorway no hard shoulder	New motorway with hard shoulder	New / amended all-purpose
1	[Blue line]	[Blue dashed line]	[Green line]	[Green dashed line]
2	[Blue line]	[Blue dashed line]	[Green line]	[Green dashed line]
3	[Blue line]	[Blue dashed line]	[Green line]	[Green dashed line]

**ISSUES & REVISIONS**

Rev	Date	Details of issue / revision	Drw	Rev
P01	20.06.25	Issued for information	SRH	SRH
P02	12.12.25	Minor amends	SRH	SRH

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Project Title

**EAST MIDLANDS GATEWAY 2 (EMG2)**

Drawing Status

**FOR INFORMATION**

Drawing Title

**A50 WESTBOUND LINK SCHEMATIC**

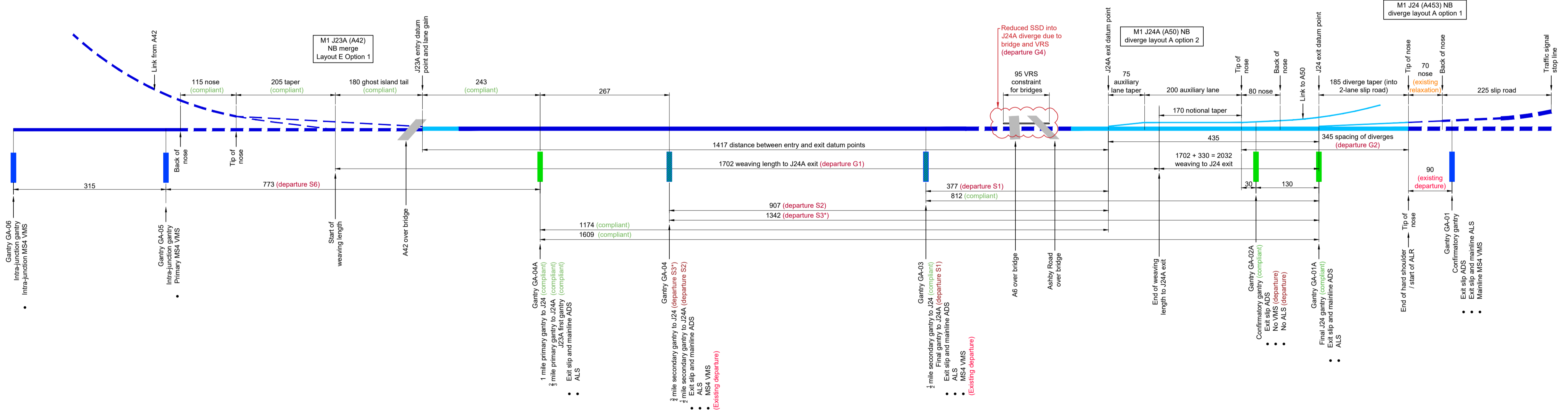
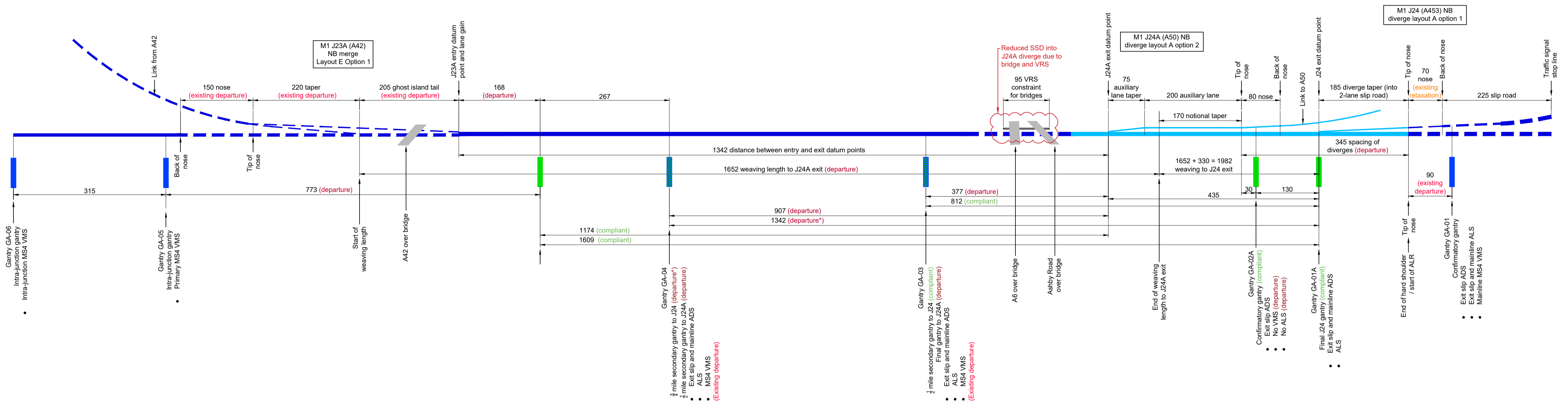
Project - Originator - Zone - Level - Type - Role - Number

EMG2-BWB-GEN-XX-SK-CH-SK046 S2 P02



**Option C**  
Auxiliary lane diverge followed by taper diverge (reduced spacing)

**Option C+**  
Auxiliary lane diverge followed by taper diverge (reduced spacing) with mitigation at J23A



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- Any discrepancies noted on site are to be reported to the engineer immediately.

**Legend & CD 146 notes**

No.	Motorway links			
	Existing with hard shoulder	Existing without hard shoulder	New / amended with hard shoulder	New / amended without hard shoulder
1				
2				
3				
4				
5				

Existing gantry  
 New gantry  
 Existing gantry with replacement ADS

**Notes from CD 146 on standard ADS locations:**

- Confirmatory ADS shall be 30-50m downstream of tip of diverge nose
- Final ADS shall be 0-50m upstream of the exit datum point
- 1/4 mile shall be at 536m + 10% - 20m
- 1/2 mile shall be at 805m + 10% - 20m
- 3/4 mile shall be at 1073m + 10% - 20m
- 1 mile shall be at 1609m + 10% - 20m

\* 1/2 mile is not permitted in CD 146 but is prescribed in the TSRGD. 1/2 mile tolerance would be 1207m + 10% - 20m.

**ISSUES & REVISIONS**

Rev	Date	Details of issue / revision	Drawn	Reviewed
P01	10.11.25	Issued for information	SRH	SRH

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Date: 24.02.25  
Scale@A1: 1:5,000

Project Title

**EAST MIDLANDS GATEWAY 2 (EMG2)**

Reviewed: S. Hilditch

Drawing Status

**FOR INFORMATION**

Drawing Title

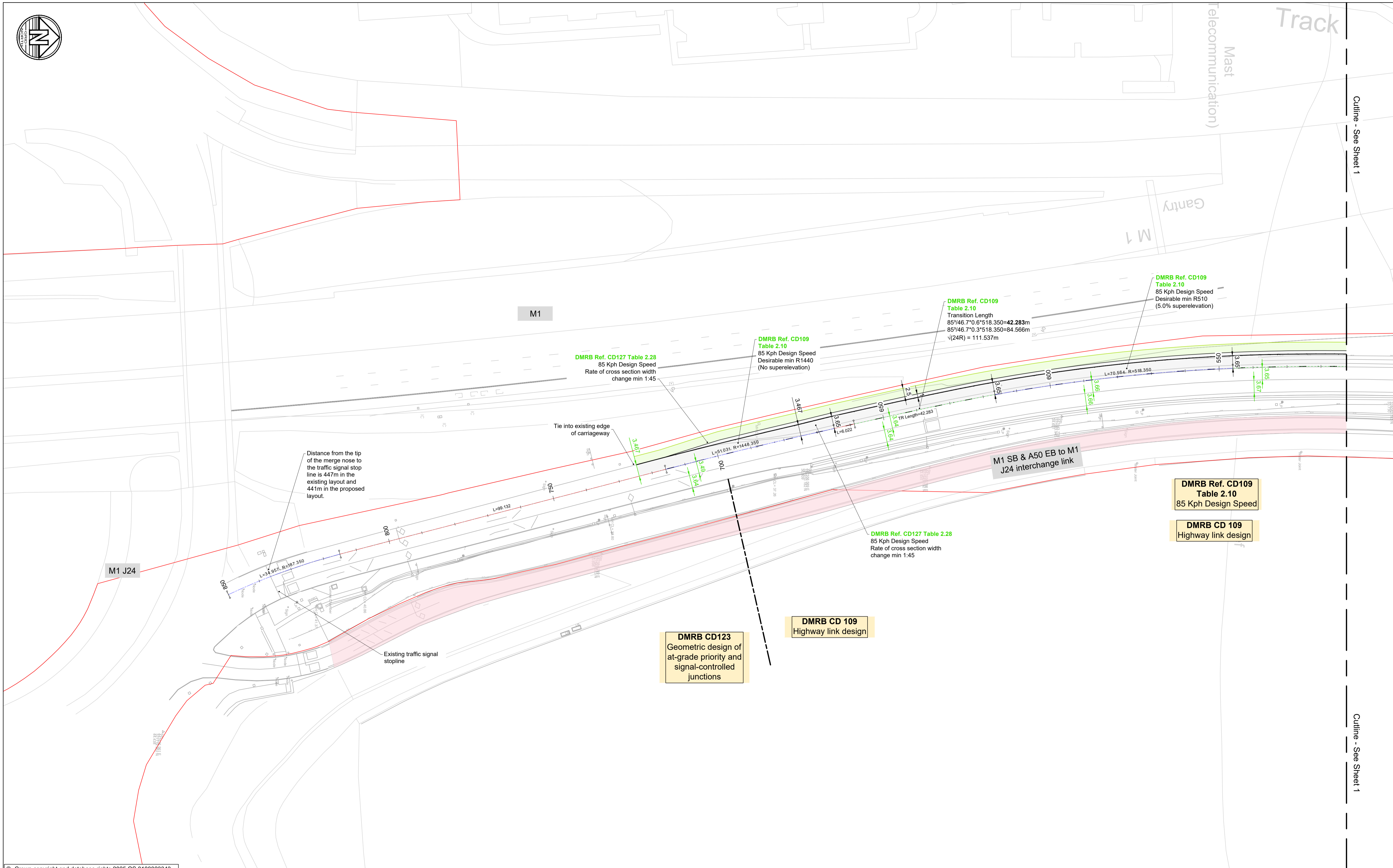
**M1 NORTHBOUND J23A-24 LAYOUT OPTIONS SHEET 3**

Project - Originator - Zone - Level - Type - Role - Number

EMG2-BWB-GEN-XX-SK-CH-SK065

Status: S2  
Rev: P01





Outline - See Sheet 1

Outline - See Sheet 1

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- Annotation shown coloured green achieves design standards
- Annotation shown coloured amber is a relaxation from design standards
- Annotation shown coloured red is a departure from design standards

**Legend**

- Draft Order Limits
- Alignment - Straights
- Alignment - Curves
- Alignment - Transitions
- Carriageway area
- Taper for cross section width change

**ISSUES & REVISIONS**

Rev	Date	Details of issue / revision	Drw	Rev
P01	04.03.25	Issue for information	MS	SH

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Project Title

**East Midlands Gateway 2**

Drawing Status

**FOR INFORMATION**

Drawing Title

**A50 Eastbound Geometry Plans Sheet 2 of 2**

Project - Originator - Zone - Level - Type - Role - Number

**EMG2-BWB-HGN-A50EB-DR-H-0102**

Status Rev

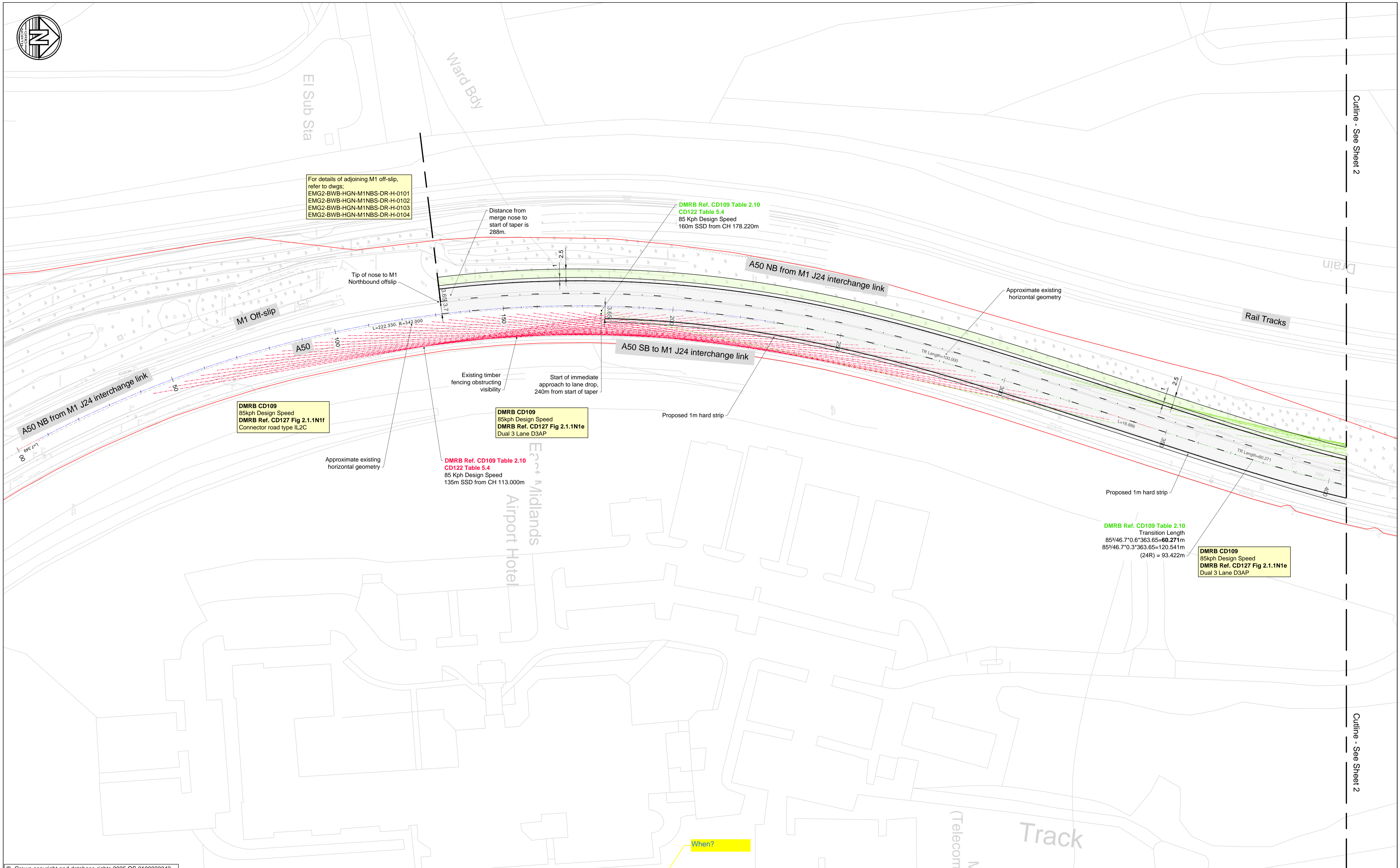
**S2 P01**

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Outline - See Sheet 2

Outline - See Sheet 2



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- Annotation shown coloured amber is a relaxation from design standards
- Annotation shown coloured red is a departure from design standards

**Legend**

- Draft Order Limits
- Alignment - Straights
- Alignment - Curves
- Alignment - Transitions
- Carriageway area
- Taper for cross section width change

**ISSUES & REVISIONS**

Rev	Date	Details of issue / revision	Drw	Rev
P01	1bc	Issue for information	MS	SH

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Date: 08.01.25  
Scale@A1: 1:500

Project Title

**East Midlands Gateway 2**

Drawing Status

**FOR INFORMATION**

Drawing Title

**A50 Westbound Geometry Plans Sheet 1 of 2**

Project - Originator - Zone - Level - Type - Role - Number

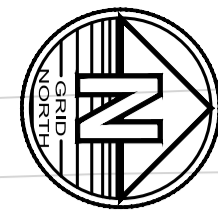
EMG2-BWB-HGN-A50WB-DR-H-0101

Status

**S2**

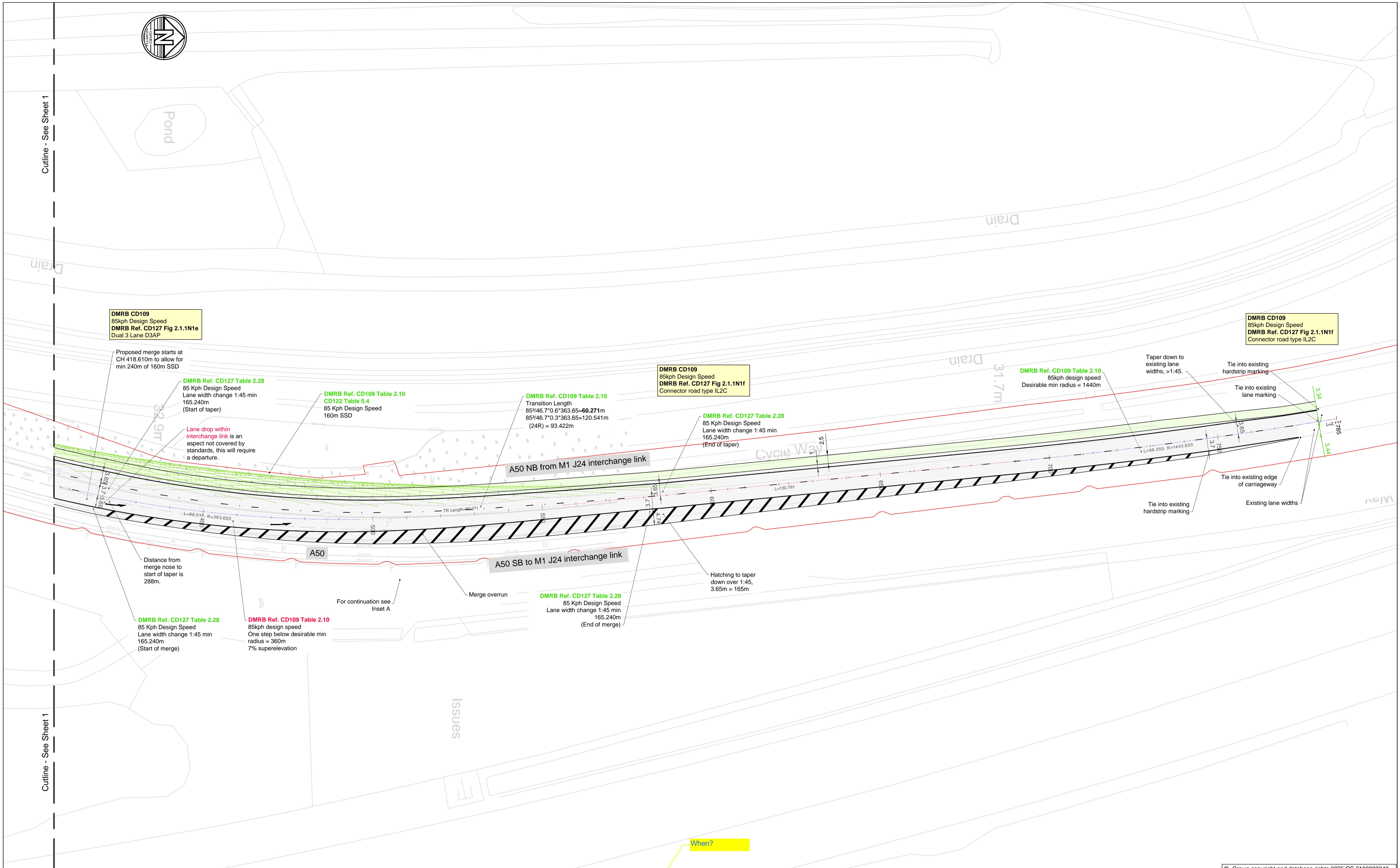
Rev

**P01**



Cutline - See Sheet 1

Cutline - See Sheet 1



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- Annotation shown coloured red is a departure from design standards

**Legend**

- Draft Order Limits
- Alignment - Straights
- Alignment - Curves
- Alignment - Transitions
- Carriageway area
- Taper for cross section width change

**ISSUES & REVISIONS**

Rev	Date	Details of issue / revision	Drw	Rev
P01	lbc	Issue for information	MS	SH

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Project Title

**East Midlands Gateway 2**

Drawing Status

**FOR INFORMATION**

Drawing Title

**A50 Westbound Geometry Plans Sheet 2 of 2**

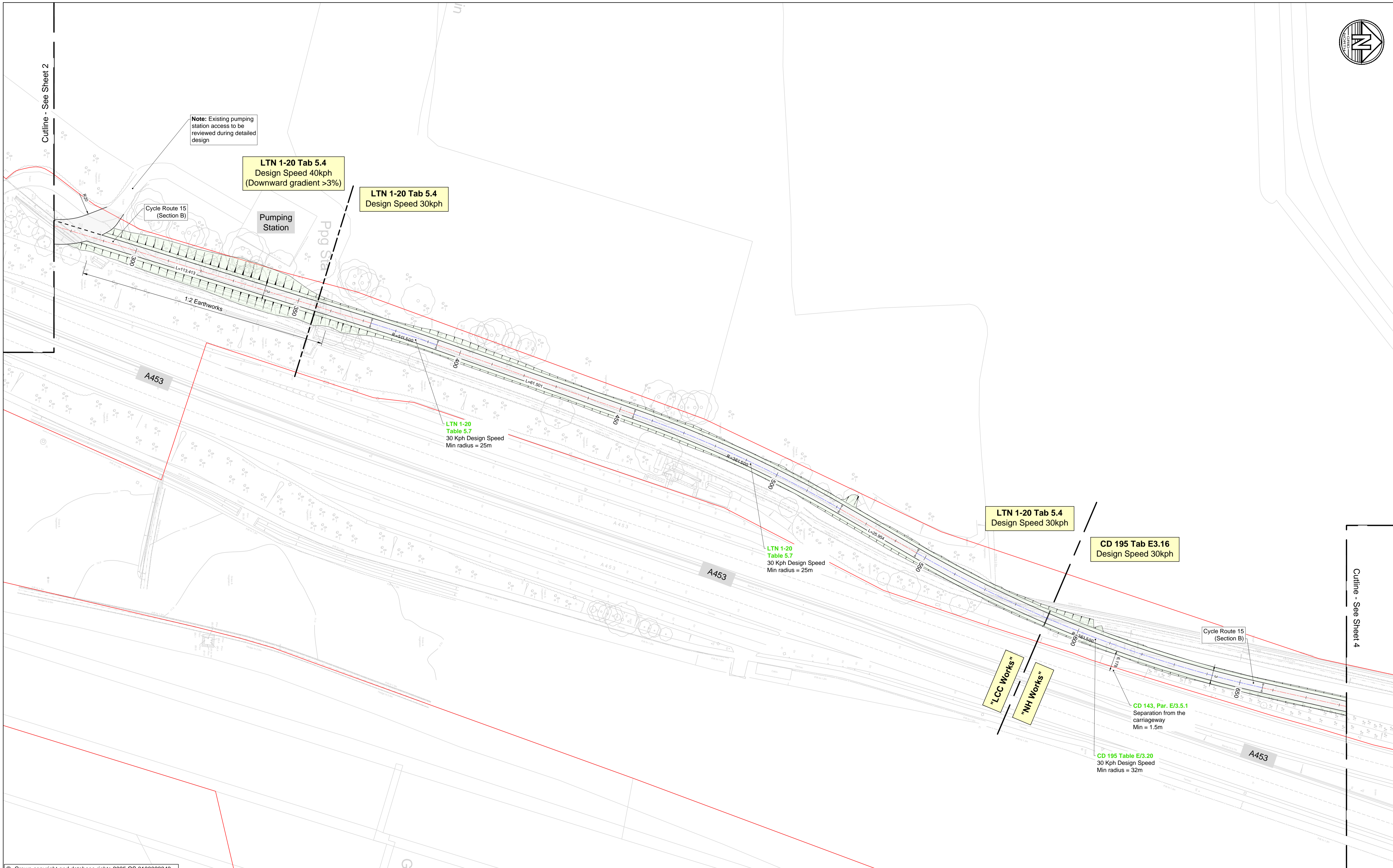
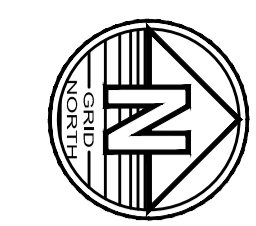
Project - Originator - Zone - Level - Type - Role - Number

**EMG2-BWB-HGN-A50WB-DR-H-0102**

Status Rev

**S2 P01**

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Cutline - See Sheet 2

Cutline - See Sheet 4

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4. Any discrepancies noted on site are to be reported to the engineer immediately.	
5. Annotation shown coloured green achieves design standards	
6. Annotation shown coloured amber is a relaxation from design standards	

Legend	
	Draft Order Limits
	Alignment - Straights
	Alignment - Curves
	Alignment - Transitions
	Carriageway area
	Taper for cross section width change

ISSUES & REVISIONS					
Rev	Date	Details of issue / revision	Drw	Rev	
P01	04.03.25	Issue for information	MS	SH	
P02	15.05.25	Minor annotation changes	MS	SH	

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Drawn: M.S      Reviewed: S.H  
 BIWB Ref: 220500      Date: 04.03.25      Scale@A1: 1:500

Project Title

**East Midlands Gateway 2**

Drawing Status

**FOR INFORMATION**

Drawing Title

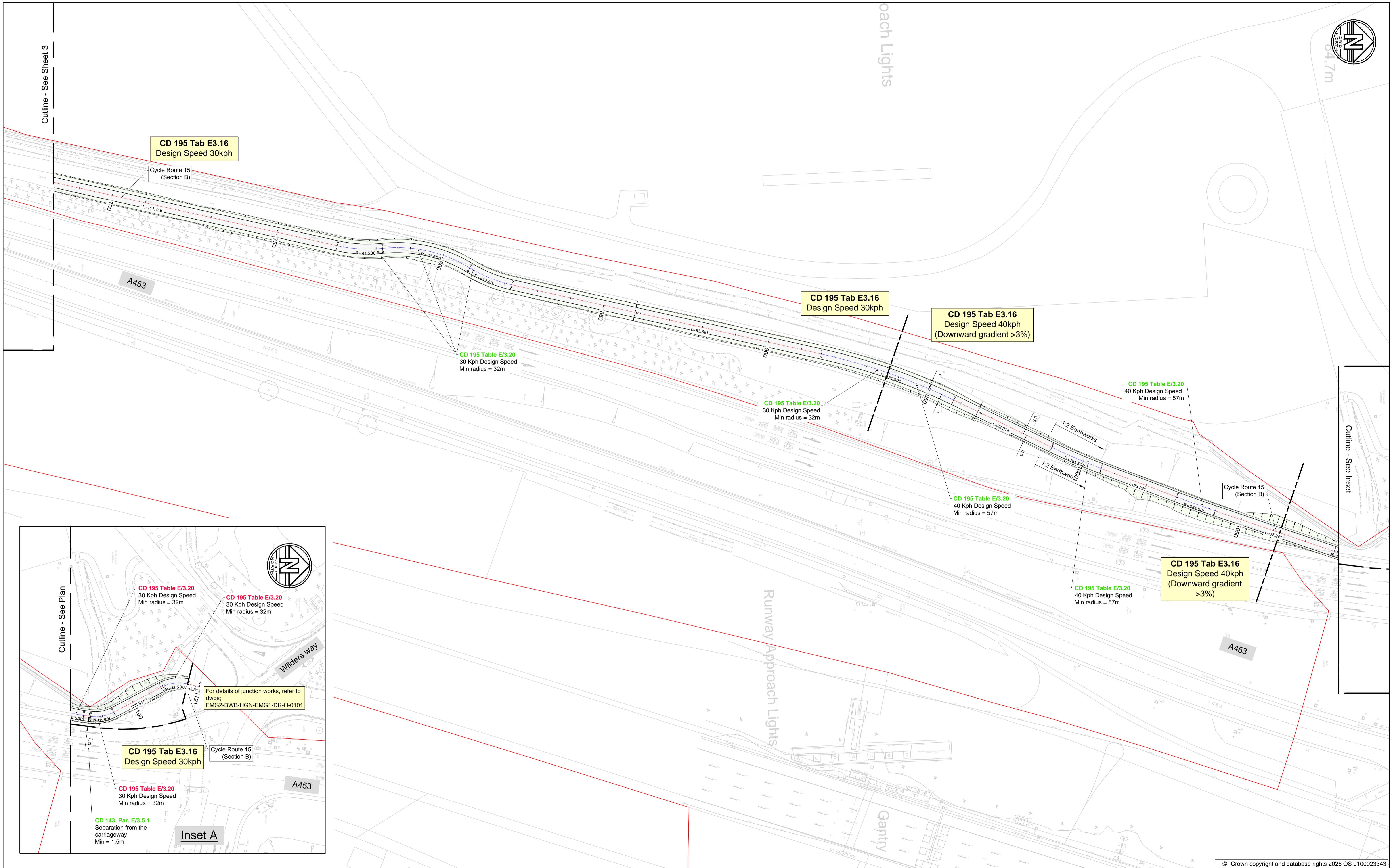
**A453  
Geometry Plans  
Sheet 3 of 4**

Project - Originator - Zone - Level - Type - Role - Number      Status      Rev

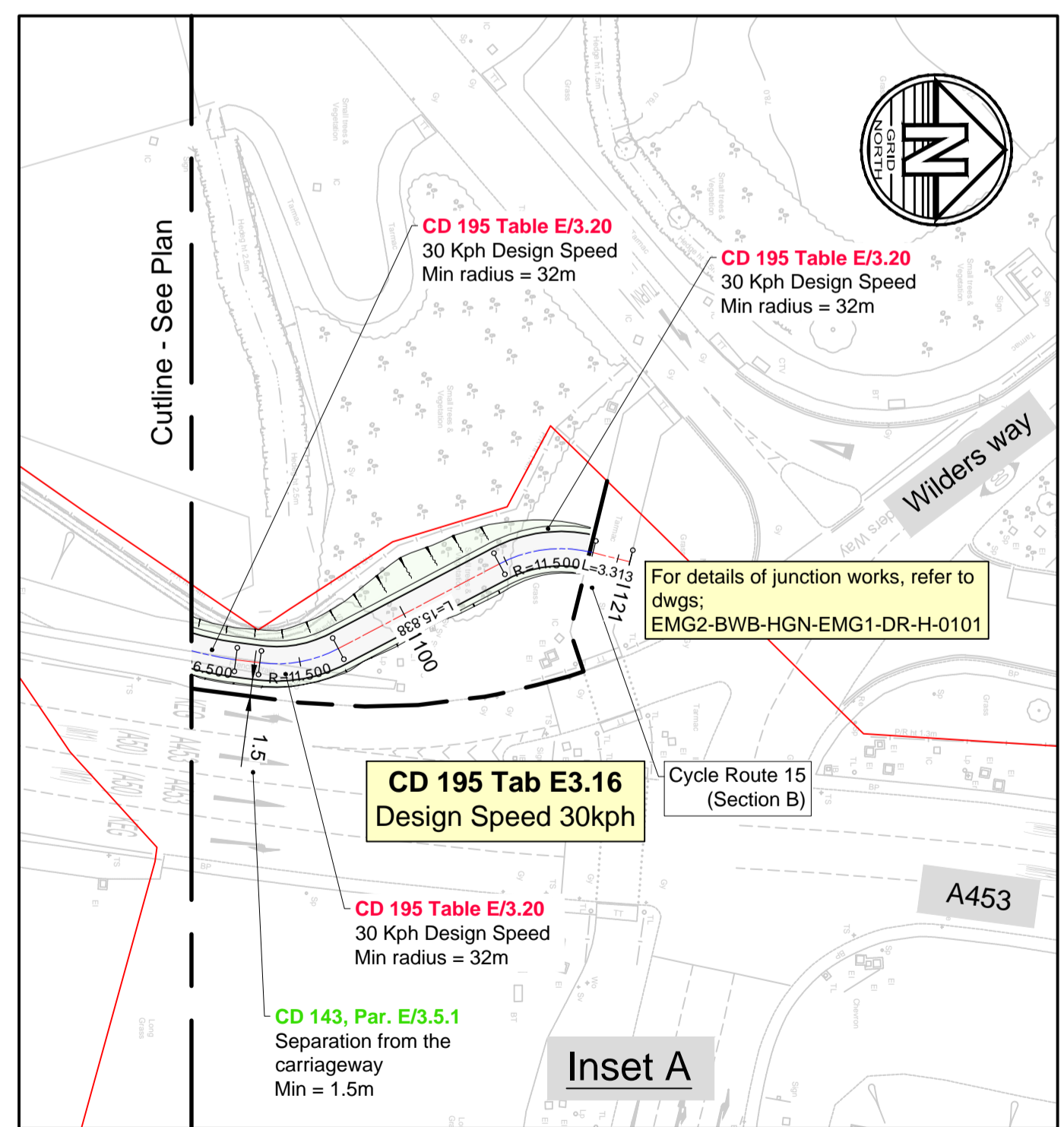
EMG2-BWB-HGN-A453-DR-H-0103      S2      P02



Cutline - See Sheet 3



Cutline - See Inset



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- Annotation shown coloured green achieves design standards
- Annotation shown coloured amber is a relaxation from design standards
- Annotation shown coloured red is a departure from design standards

**Legend**

- Draft Order Limits
- Alignment - Straights
- Alignment - Curves
- Alignment - Transitions
- Carriageway area
- Taper for cross section width change

**ISSUES & REVISIONS**

Rev	Date	Details of issue / revision	Drw	Rev
P01	04.03.25	Issue for information	MS	SH
P02	15.05.25	Minor annotation changes	MS	SH

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Project Title

**East Midlands Gateway 2**

Drawing Status

**FOR INFORMATION**

Drawing Title

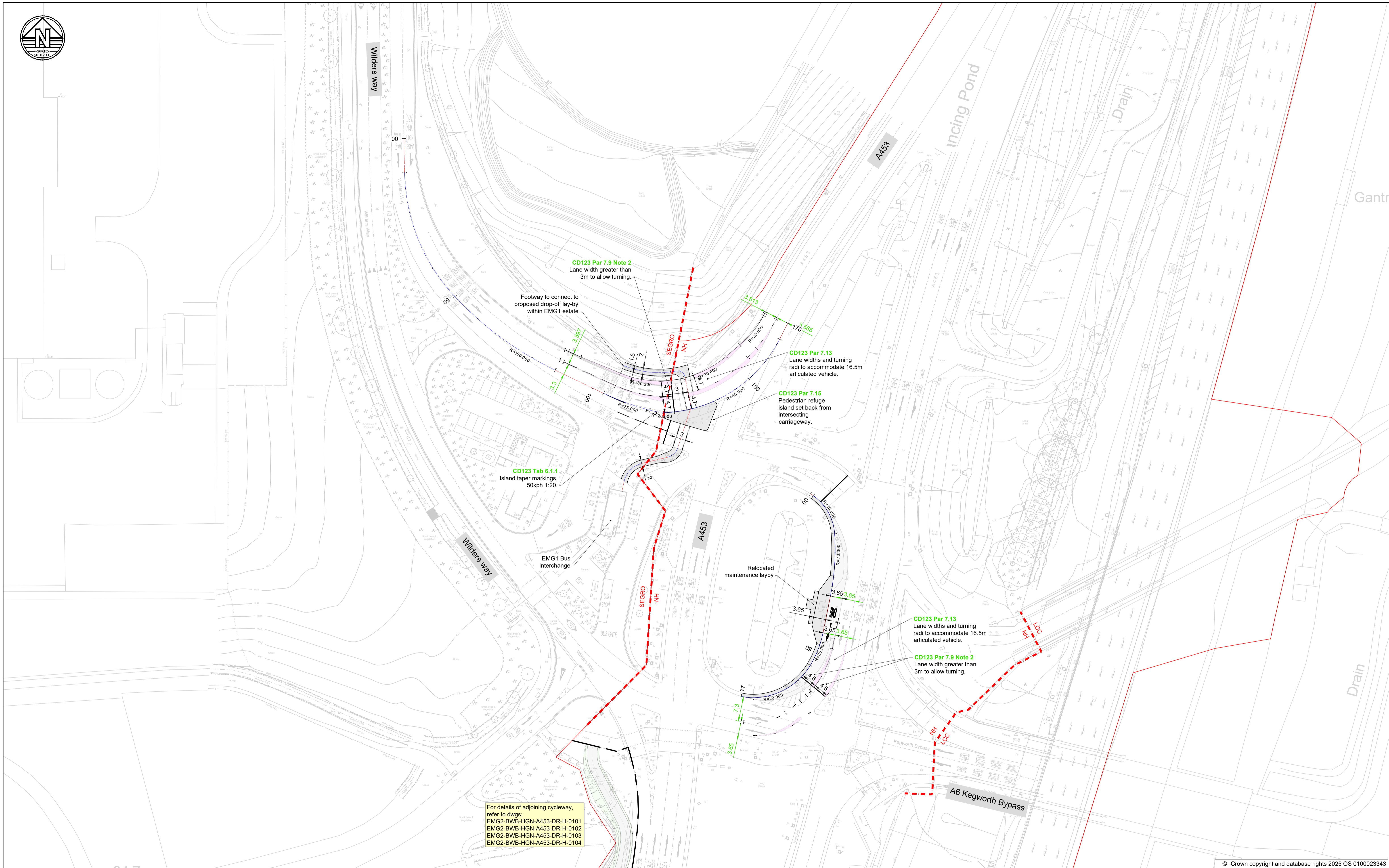
**A453  
Geometry Plans  
Sheet 4 of 4**

Project - Originator - Zone - Level - Type - Role - Number

EMG2-BWB-HGN-A453-DR-H-0104

Status Rev

S2 P02



For details of adjoining cycleway, refer to dwgs:  
 EMG2-BWB-HGN-A453-DR-H-0101  
 EMG2-BWB-HGN-A453-DR-H-0102  
 EMG2-BWB-HGN-A453-DR-H-0103  
 EMG2-BWB-HGN-A453-DR-H-0104

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6. Annotation shown coloured amber is a relaxation from design standards	

Legend	
	Draft Order Limits
	Alignment - Straights
	Alignment - Curves
	Alignment - Transitions
	Carriageway area
	Taper for cross section width change

ISSUES & REVISIONS			
Rev	Date	Details of issue / revision	Drw
P01	27.02.25	Issue for information	MS
P02	17.03.26	RS A1 Updates incorporated	DF

Drw	Rev
MS	SRH
DF	SRH



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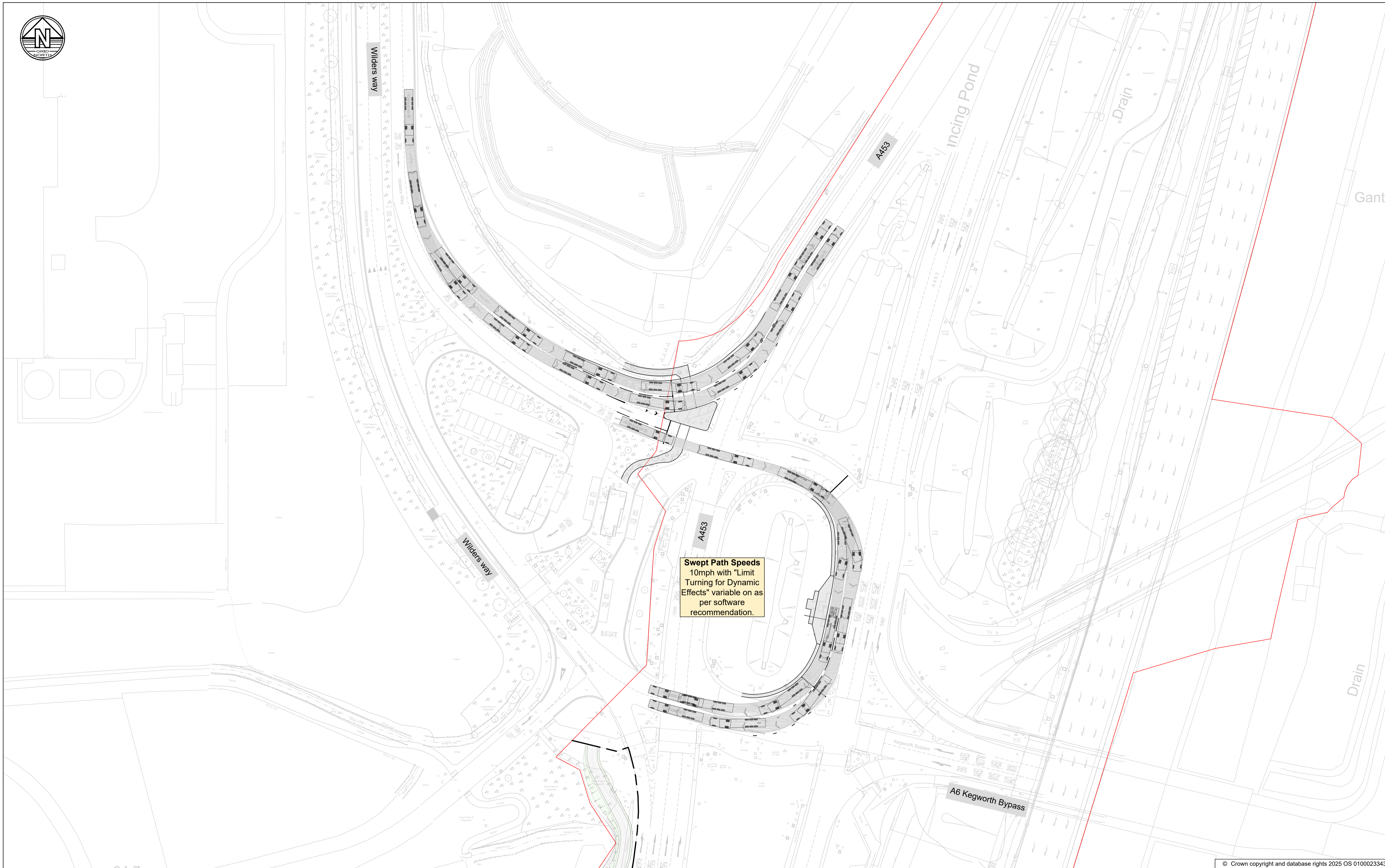
Project Title

## East Midlands Gateway 2

Drawing Status

### FOR INFORMATION

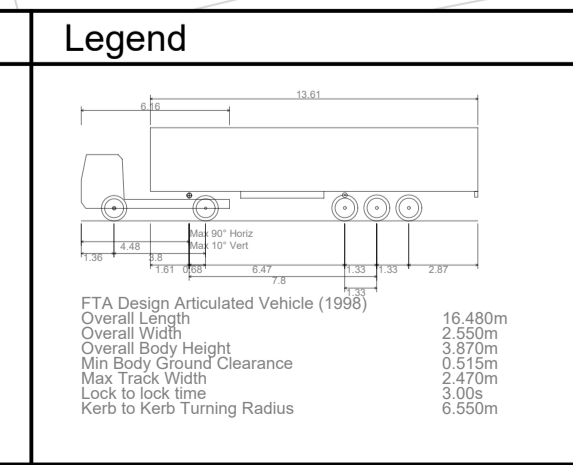
Drawing Title		Project - Originator - Zone - Level - Type - Role - Number		Status	Rev
<b>A6 / A453 / EMG1 Junction Geometry Plan</b>		<b>EMG2-BWB-HGN-A453-DR-H-0101</b>		<b>S2</b>	<b>P02</b>



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**ISSUES & REVISIONS**

Rev	Date	Details of issue / revision	Drw	Rev
P01	17.03.26	Issue for information	DF	SRH

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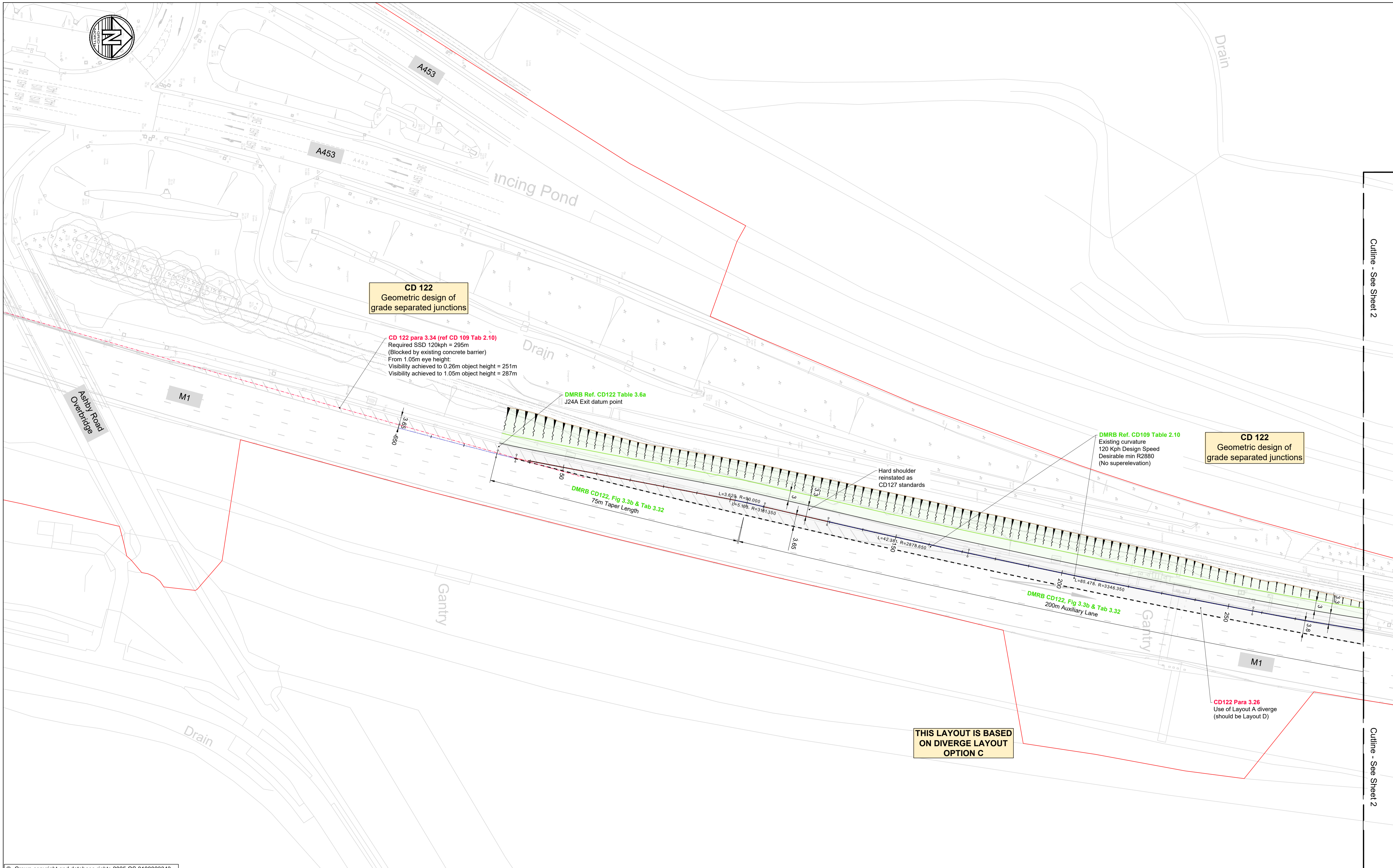
Drawn: D.Fraser    Reviewed: S.Hilditch  
 BWB Ref: 220500    Date: 17.03.26    Scale@A1: 1:500

Project Title  
**East Midlands Gateway 2**

Drawing Status  
**FOR INFORMATION**

Drawing Title  
**A6/A453/EMG1 Junction Vehicle Swept Paths**

Project - Originator - Zone - Level - Type - Role - Number    Status    Rev  
**EMG2-BWB-HGN-EMG1-DR-H-0102    S2    P01**



**CD 122**  
Geometric design of  
grade separated junctions

**CD 122 para 3.34 (ref CD 109 Tab 2.10)**  
Required SSD 120kph = 295m  
(Blocked by existing concrete barrier)  
From 1.05m eye height:  
Visibility achieved to 0.26m object height = 251m  
Visibility achieved to 1.05m object height = 287m

**DMRB Ref. CD122 Table 3.6a**  
J24A Exit datum point

**DMRB CD122, Fig 3.3b & Tab 3.32**  
75m Taper Length

Hard shoulder  
reinstated as  
CD127 standards

**DMRB Ref. CD109 Table 2.10**  
Existing curvature  
120 Kph Design Speed  
Desirable min R2880  
(No superelevation)

**CD 122**  
Geometric design of  
grade separated junctions

**CD122 Para 3.26**  
Use of Layout A diverge  
(should be Layout D)

**THIS LAYOUT IS BASED  
ON DIVERGE LAYOUT  
OPTION C**

Outline - See Sheet 2

Outline - See Sheet 2

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- Annotation shown coloured red is a departure from design standards

**Legend**

- Draft Order Limits
- Alignment - Straights
- Alignment - Curves
- Alignment - Transitions
- Carriageway area
- Taper for cross section width change

**ISSUES & REVISIONS**

Rev	Date	Details of issue / revision	Drw	Rev
P01	04.07.25	Issue for information	MS	SRH
P02	18.11.25	Departure notes updated	SRH	SRH
P03	17.03.26	Verge widths increased	DF	SRH

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**FOR INFORMATION**

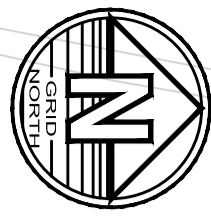
Drawing Title

**M1 Northbound J24 & 24A  
Diverges  
Geometry Plans  
Sheet 1 of 4**

Project - Originator - Zone - Level - Type - Role - Number

**EMG2-BWB-HGN-M1NBS-DR-H-0101**

Status **S2** Rev **P03**



Cutline - See Sheet 1

Cutline - See Sheet 3

Cutline - See Sheet 3

Cutline - See Sheet 1

Drain

**CD 127**  
Cross-sections and headrooms - Figure 2.1.1N1b, Interchange Link IL1A

DMRB Ref. CD109  
Table 2.10  
85 Kph Design Speed  
Desirable min R1440  
(No superelevation)

DMRB Ref. CD109  
Table 2.10  
Transition Length  
 $85^2/46.7 \times 0.6^2/723.3 = 30.302\text{m}$   
 $85^2/46.7 \times 0.3^2/723.3 = 60.604\text{m}$   
 $\sqrt{(24R)} = 131.754\text{m}$

**CD 127**  
Cross-sections and headrooms - Figure 2.1.1N1b, Interchange Link IL1A

DMRB Ref. CD109  
Table 2.10  
85 Kph Design Speed  
min R720 (3.5%  
superelevation)

DMRB Ref. CD109  
Table 2.10  
Transition Length  
 $85^2/46.7 \times 0.6^2/723.3 = 30.302\text{m}$   
 $85^2/46.7 \times 0.3^2/723.3 = 60.604\text{m}$   
 $\sqrt{(24R)} = 131.754\text{m}$

DMRB CD122, Fig 3.3b & Tab 3.32  
80m Nose Length with 1:15 Taper

Tip of nose

Back of nose

DMRB Ref. CD122  
Table 3.6a  
J24 Exit datum point

DMRB CD122, Fig 3.3a & Tab 3.32  
Exit taper = 185m

**THIS LAYOUT IS BASED ON DIVERGE LAYOUT OPTION C**

CD122 Para 3.36  
Spacing of successive  
diverges < 3.75Vm (450m)

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  - Annotation shown coloured red is a departure from design standards

- Legend**
- Draft Order Limits
  - Alignment - Straights
  - Alignment - Curves
  - Alignment - Transitions
  - Carriageway area
  - Taper for cross section width change

**ISSUES & REVISIONS**

Rev	Date	Details of issue / revision	Drw	Rev
P01	04.07.25	Issue for information	MS	SRH
P02	16.11.25	Departure notes updated	SRH	SRH
P03	17.03.26	Verge widths increased	DF	SRH



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Project Title

**East Midlands Gateway 2**

Drawing Status

**FOR INFORMATION**

Drawing Title

**M1 Northbound J24 & 24A Diverges Geometry Plans Sheet 2 of 4**

Project - Originator - Zone - Level - Type - Role - Number	Status	Rev
EMG2-BWB-HGN-M1NBS-DR-H-0102	S2	P03



**CD 127**  
Cross-sections and headrooms - Figure  
2.1.1N1b, Interchange Link IL1A

DMRB Ref. CD109  
Table 2.10  
Transition Length  
85°/46.7°0.6'723.3=30.285m  
85°/46.7°0.3'723.3=60.570m  
√(24R) = 131.791m

DMRB Ref. CD109  
Table 2.10  
Transition Length  
85°/46.7°0.6'723.3=30.302m  
85°/46.7°0.3'723.3=60.604m  
√(24R) = 131.754m

CD116 Para  
3.26  
Entry path  
radius shall  
not exceed  
100m

DMRB Ref.  
CD116  
Para 3.14  
Lane width  
>3m, <4.5m for  
multi lane  
entries

DMRB Ref. CD109  
Table 2.10  
85 Kph Design Speed  
min R720 (3.5%  
superelevation)

CD116 Para 3.26  
Entry path radius  
shall not exceed  
100m

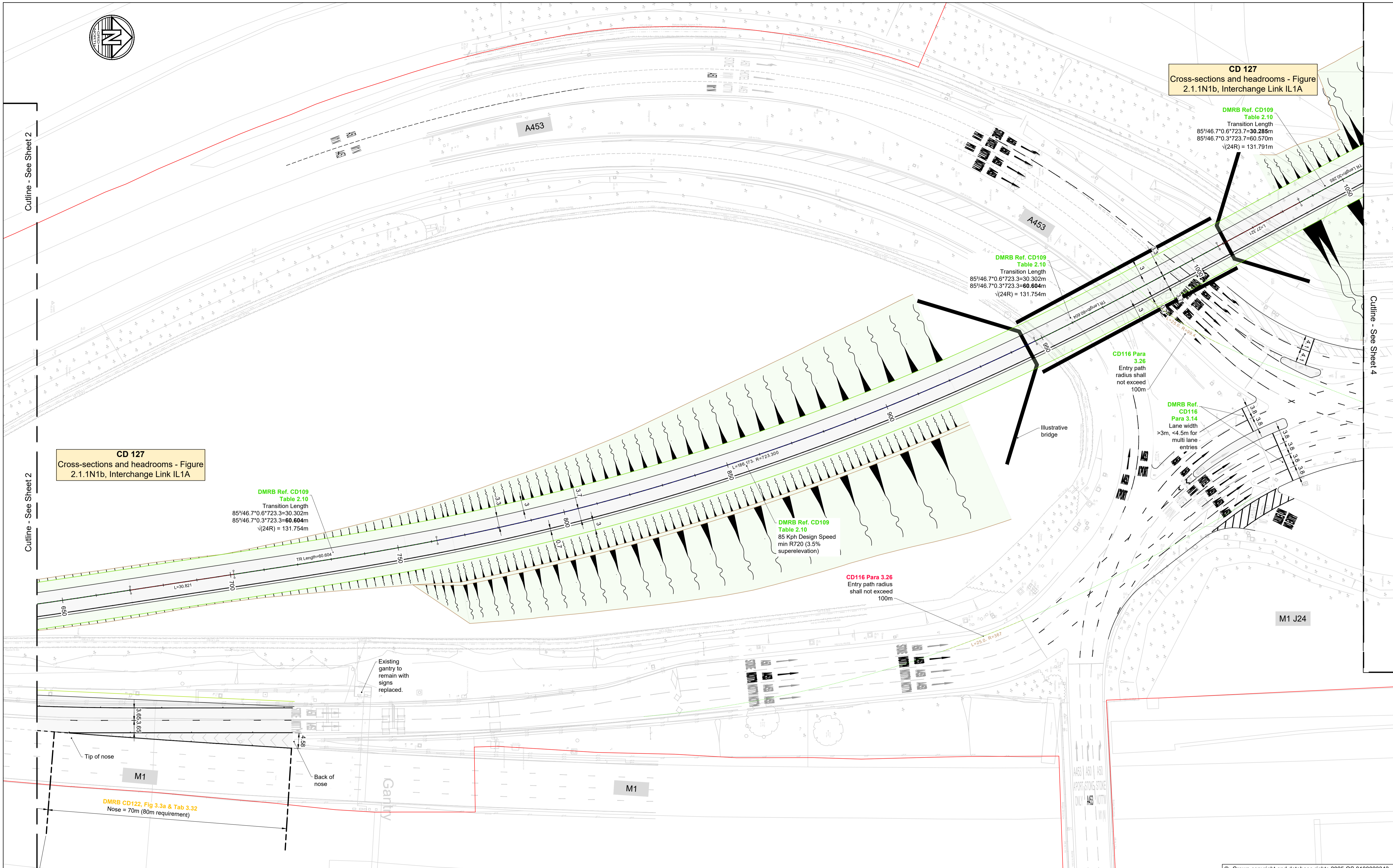
**CD 127**  
Cross-sections and headrooms - Figure  
2.1.1N1b, Interchange Link IL1A

DMRB Ref. CD109  
Table 2.10  
Transition Length  
85°/46.7°0.6'723.3=30.302m  
85°/46.7°0.3'723.3=60.604m  
√(24R) = 131.754m

Outline - See Sheet 2

Outline - See Sheet 2

Outline - See Sheet 4



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- Annotation shown coloured red is a departure from design standards

DMRB CD122, Fig 3.3a & Tab 3.32  
Nose = 70m (80m requirement)

Tip of nose

Back of nose

Gantry

Existing gantry to remain with signs replaced.

**Legend**

- Draft Order Limits
- Alignment - Straights
- Alignment - Curves
- Alignment - Transitions
- Carriageway area
- Taper for cross section width change

**ISSUES & REVISIONS**

Rev	Date	Details of issue / revision	Drw	Rev
P01	04.07.25	Issue for information	MS	SRH
P02	03.12.25	Departure notes updated	SRH	SRH
P03	18.02.26	Entry path deflection updated	DF	SRH
P04	17.03.26	Verge widths increased	DF	SRH

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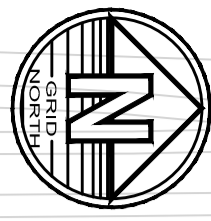
Drawing Title

**M1 NB J24 & 24A Diverges  
M1 NB - A50 WB IL  
Geometry Plans  
Sheet 3 of 4**

Project - Originator - Zone - Level - Type - Role - Number

EMG2-BWB-HGN-M1NBS-DR-H-0103

Status: S2 | Rev: P04



CD 127  
Cross-sections and headrooms - Figure  
2.1.1N1b, Interchange Link IL1A

For details of adjoining A50 Merge,  
refer to dwgs:  
EMG2-BWB-HGN-A50WB-DR-H-0101  
EMG2-BWB-HGN-A50WB-DR-H-0102

CD 127  
Cross-sections and headrooms - Figure  
2.1.1N1b, Interchange Link IL1A

DMRB Ref. CD109  
Table 2.10  
65 Kph Design Speed  
min R720 (3.5%  
superelevation)

DMRB CD122, Fig 3.14e & Tab 3.21  
75m Nose Length with 1:25 Taper

CD122 Para 1.3  
Horizontal radius less than desirable  
minimum for 65 Kph Design Speed  
(Desirable min R510 5% superelevation)

CD 127  
Cross-sections and headrooms - Figure  
2.1.1N1b, Interchange Link IL2C

CD116 Para  
3.26  
Entry path  
radius shall  
not exceed  
100m

DMRB Ref. CD116  
Para 3.19  
Entry kerb radius  
>10m, <100m (Best  
fit circular curve over  
25m from giveaway)

CD116 Para 3.18 Note 3,  
3.18.1  
Entry angle should be  
between 20° & 60°

CD116 Para 3.29.3  
Exit kerb radius should  
be between 20m & 100m

DMRB Ref.  
CD116  
Para 3.14  
Lane width  
>3m, <4.5m for  
multi lane  
entries

CD 116  
Geometric design of roundabouts

Outline - See Sheet 3

East Midlands  
Airport Hotel

A50

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  - Annotation shown coloured red is a departure from design standards

- Legend**
- Draft Order Limits
  - Alignment - Straights
  - Alignment - Curves
  - Alignment - Transitions
  - Carriageway area
  - Taper for cross section width change

**ISSUES & REVISIONS**

Rev	Date	Details of issue / revision	Drw	Rev
P01	04.07.25	Issue for information	MS	SRH
P02	03.12.25	Departure notes updated	SRH	SRH
P03	17.03.26	Verge widths increased	DF	SRH

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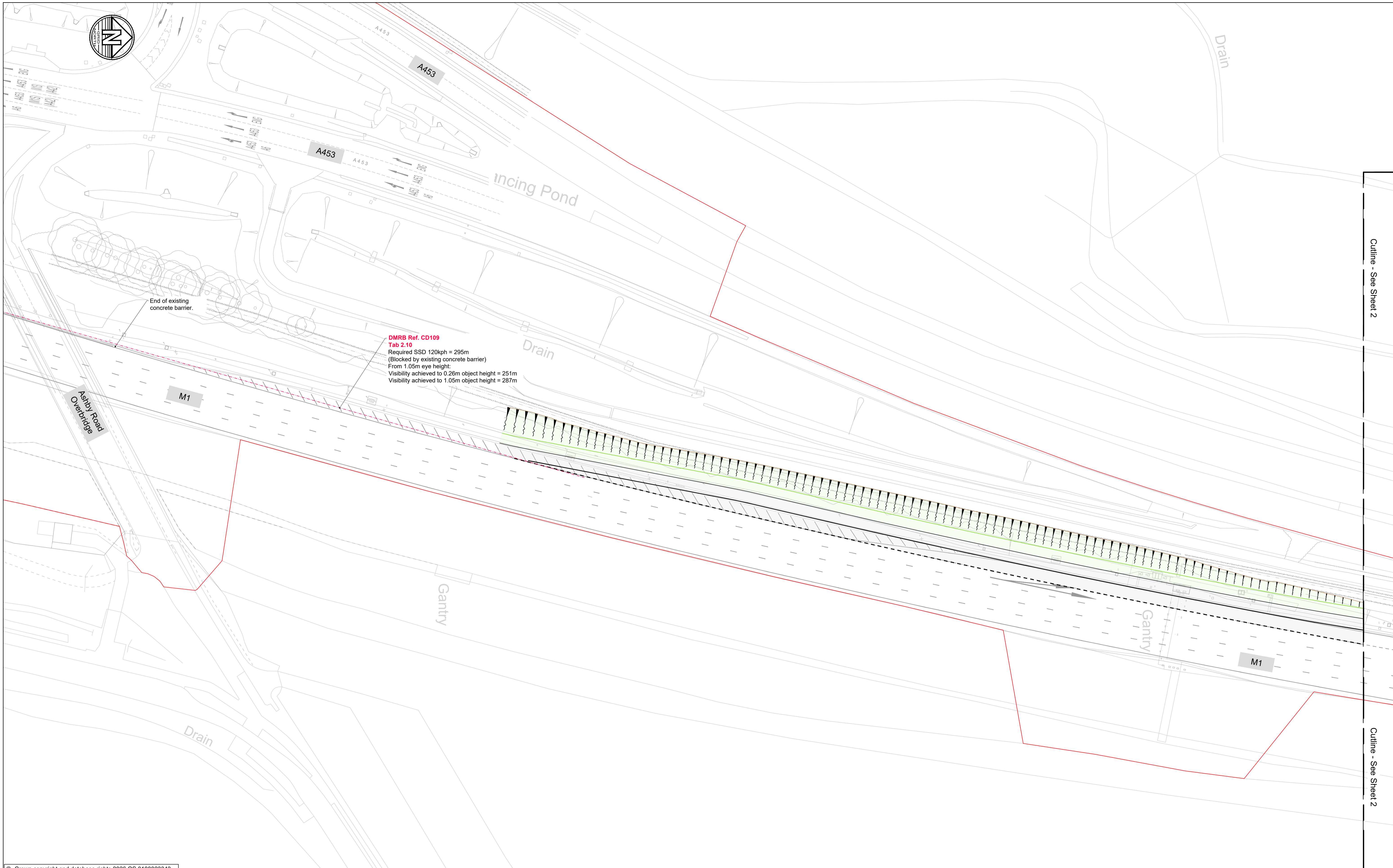
Drawing Title

**M1 NB - A50 WB IL  
M1 J24 - A50 WB IL  
Geometry Plans  
Sheet 4 of 4**

Project - Originator - Zone - Level - Type - Role - Number      Status      Rev

EMG2-BWB-HGN-M1NBS-DR-H-0104      S2      P03

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Outline - See Sheet 2

Outline - See Sheet 2

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**Legend**

	Vehicle	1:1000
	Road	1:1000
	Drain	1:1000
	Gantry	1:1000
	Overbridge	1:1000
	Swept Path	1:1000
	Proposed Road	1:1000
	Proposed Drain	1:1000
	Proposed Gantry	1:1000
	Proposed Overbridge	1:1000

**ISSUES & REVISIONS**

Rev	Date	Details of issue / revision	Drw	Rev
P01	04.07.25	Issue for information	MS	SRH
P02	16.11.25	Low object SSD added	SRH	SRH
P03	17.03.26	Verge widths increased	DF	SRH

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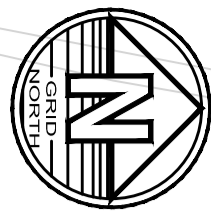
Drawing Title

**M1 Northbound Off-slip Vehicle Swept Paths & Visibility**  
Sheet 1 of 4

Project - Originator - Zone - Level - Type - Role - Number

**EMG2-BWB-HGN-M1NBS-DR-H-0110**

Status **S2** | Rev **P03**



Cutline - See Sheet 1

Cutline - See Sheet 3

Cutline - See Sheet 3

Cutline - See Sheet 1

Drain

DMRB Ref. CD109  
Tab 2.10  
Visibility upto back of  
diverge nose  
SSD 120kph = 295m

DMRB Ref. CD109  
Tab 2.10  
Visibility upto back of  
diverge nose  
SSD 120kph = 295m

A 453

Lay-by

M1

M1

M1

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**Legend**

	Vehicle (1000kg)	1.000m
	Vehicle (1500kg)	1.500m
	Vehicle (2000kg)	2.000m
	Vehicle (2500kg)	2.500m
	Vehicle (3000kg)	3.000m
	Vehicle (3500kg)	3.500m
	Vehicle (4000kg)	4.000m
	Vehicle (4500kg)	4.500m
	Vehicle (5000kg)	5.000m
	Vehicle (5500kg)	5.500m
	Vehicle (6000kg)	6.000m
	Vehicle (6500kg)	6.500m
	Vehicle (7000kg)	7.000m
	Vehicle (7500kg)	7.500m
	Vehicle (8000kg)	8.000m
	Vehicle (8500kg)	8.500m
	Vehicle (9000kg)	9.000m
	Vehicle (9500kg)	9.500m
	Vehicle (10000kg)	10.000m

**ISSUES & REVISIONS**

Rev	Date	Details of issue / revision	Drw	Rev
P01	04.07.25	Issue for information	MS	SH
P02	17.03.26	Verge widths increased	DF	SRH

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Project Title

**East Midlands Gateway 2**

Drawing Status

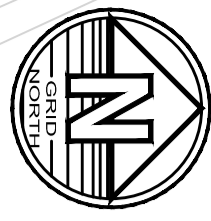
**FOR INFORMATION**

Drawing Title

**M1 Northbound Off-slip Vehicle Swept Paths & Visibility**  
Sheet 2 of 4

Project - Originator - Zone - Level - Type - Role - Number

EMG2-BWB-HGN-M1NBS-DR-H-0111 S2 P02



Cutline - See Sheet 2

Cutline - See Sheet 2

Cutline - See Sheet 4

DMRB CD 109  
Highway link design  
(85kph design speed)

DMRB Ref. CD116  
Fig 3.45  
Approach visibility  
SSD 85kph = 160m

DMRB CD 109  
Highway link design  
(120kph design speed)

DMRB CD 109  
Highway link design  
(85kph design speed)

DMRB Ref. CD109  
Tab 2.10  
SSD 85kph = 160m

DMRB Ref. CD109  
Tab 2.10  
SSD 85kph = 160m  
\*Visibility achieved = 111m,  
Crest curve k30 blocks full  
SSD\*

Swept Path Speeds  
20mph with "Limit  
Turning for Dynamic  
Effects" variable on as  
per software  
recommendation.

M1 J24

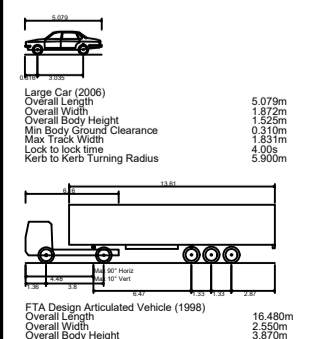
M1

M1

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**Legend**



**ISSUES & REVISIONS**

Rev	Date	Details of issue / revision	Drw	Rev
P01	04.07.25	Issue for information	MS	SH
P02	17.03.26	Verge widths increased	DF	SRH

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**SEGRO**

Drawn: M.S | Reviewed: S.H  
 BIWB Ref: 220500 | Date: 08.01.25 | Scale@A1: 1:500

Project Title

**East Midlands Gateway 2**

Drawing Status

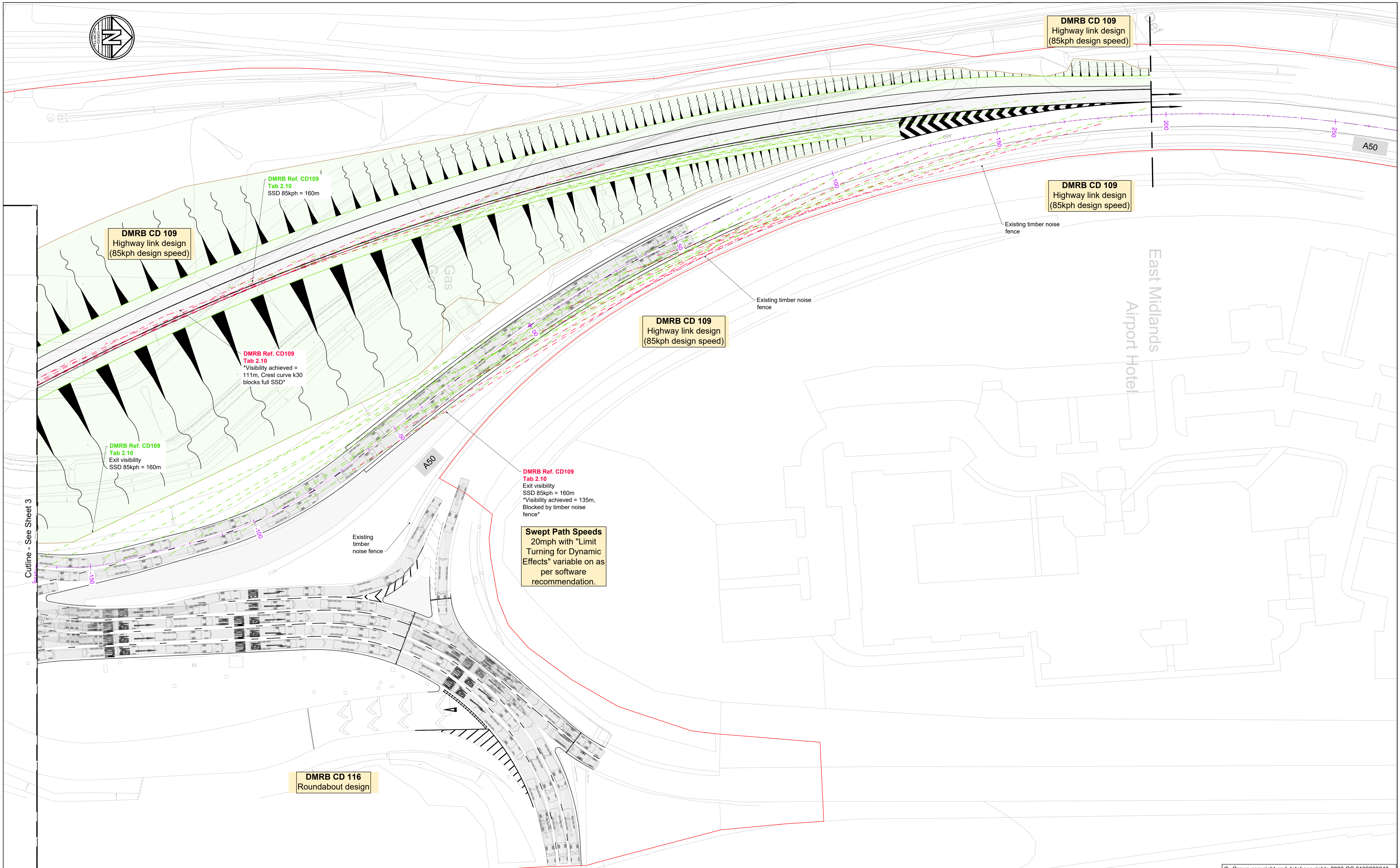
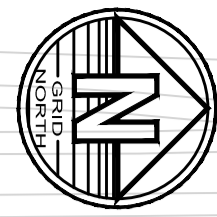
**FOR INFORMATION**

Drawing Title

**M1 Northbound Off-slip Vehicle Swept Paths & Visibility Sheet 3 of 4**

Project - Originator - Zone - Level - Type - Role - Number | Status | Rev

EMG2-BWB-HGN-M1NBS-DR-H-0112 | S2 | P02



Cutline - See Sheet 3

**Notes**

- Do not scale this drawing. All dimensions must be checked/ verified on site. If in doubt ask.
- This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
- All dimensions in metres unless noted otherwise. All levels in metres unless noted otherwise.
- Any discrepancies noted on site are to be reported to the engineer immediately.
- Visibility sight lines shown are in plan view only. These are to be checked vertically against the design / existing surfaces at detailed design stage.

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**Legend**

	Vehicle	1:1000
	Road	1:1000
	Sight line	1:1000
	Noise fence	1:1000
	Other symbols	1:1000

**ISSUES & REVISIONS**

Rev	Date	Details of issue / revision	Drw	Rev
P01	04.07.25	Issue for information	MS	SRH
P02	03.12.25	Departure notes updated	SRH	SRH
P03	17.03.26	Verge widths increased	DF	SRH

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Client

**SEGRO**

Drawn: M.S | Reviewed: S.H  
 BIWB Ref: 220500 | Date: 08.01.25 | Scale@A1: 1:500

Project Title

**East Midlands Gateway 2**

Drawing Status

**FOR INFORMATION**

Drawing Title

**M1 NB - A50 WB IL  
M1 J24 - A50 WB IL  
Vehicle Swept Paths &  
Visibility Sheet 4 of 4**

Project - Originator - Zone - Level - Type - Role - Number | Status | Rev

**EMG2-BWB-HGN-M1NBS-DR-H-0113 | S2 | P03**

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