

East Midlands Gateway Phase 2 (EMG2)

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

ENVIRONMENTAL STATEMENT

Technical Appendices

Appendix 6A

Transport Assessment

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

[SEGRO.COM/SLPEMG2](https://www.segro.com/slpemg2)

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)**

Version	Date	Status of Version
0	October 2025	Submission
1	April 2026	Deadline 1

APPENDIX 4: List of Road Layout departures from standard for proposed scheme

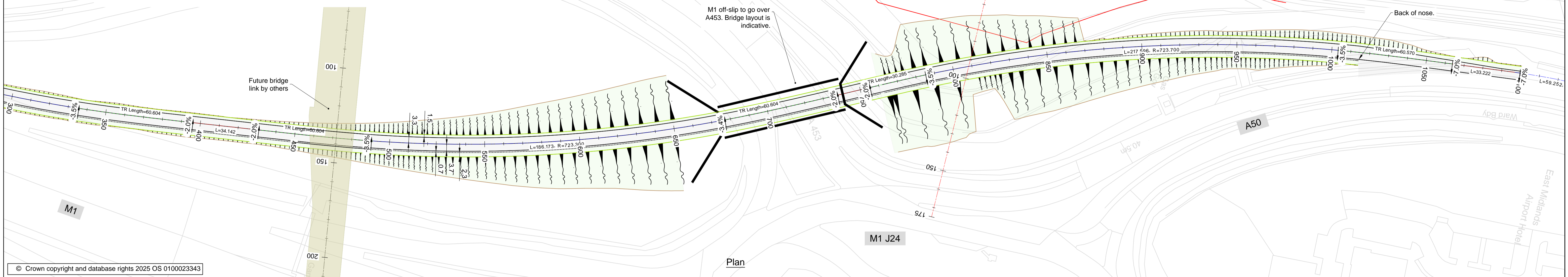
DAS Reference	Designers Departure Reference	Departure Safety Risk Category	Design Standard	Departure Location	Departure Summary	Status (31/03/26)
106555	G1	A	CD 122 para 4.5	M1 northbound mainline J23A-24	Weaving length is reduced below existing; Minimum weaving length is less than 2km	Approved
106556	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	Approved
106558	G3	A	CD 122 para 4.7	M1 northbound mainline J23A-24	No. lanes is less than that calculated for weaving section	Approved
106557	G4	A	CD 122 para 3.34	M1 northbound J24A exit	SSD into the diverge is below desirable minimum	Approved
106560	G7	A	CD 122 para 1.3	M1 northbound to A50 westbound	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	Approved
106559	G8	A	CD 127 para 4.1	M1 northbound to A50 westbound bridge at A453	Reduction in headroom from 6.45m to 5.84m over a high load route	Approved
106562	G9	A	CD 122	A50 westbound merge	Aspect not covered, layout G option 2 merge but without three lane (width) from reduction taper to downstream merge	Approved
106561	G10	A	CD 122 para 1.3	M1 northbound to A50 westbound	Reduction below desirable minimum SSD on an interchange link and on the immediate approach to the merge	Approved
106939	G12	A	CD 116 para 3.26	M1 northbound J24 exit: entry deflection	Entry deflection exceeds 100m	Approved
106888	G13	A	CD 122 para 3.26	M1 northbound J24A diverge layout	Diverge layout has less capacity than that required by CD 122	Approved
106889	G14	A	CD 122 para 5.17	M1 northbound to A50 westbound	Cross-section of interchange link is proposed to be IL1A where as IL2A is required based on predicted traffic	Approved
107063	S1	A	CD 146 para 3.4	M1 northbound J24A exit	Final direction sign more than 50m upstream of ExDP	In preparation

DAS Reference	Designers Departure Reference	Departure Safety Risk Category	Design Standard	Departure Location	Departure Summary	Status (31/03/26)
107064	S2	A	CD 146 para 3.2	M1 northbound J24A exit	½ mile secondary direction sign, 907m upstream of ExDP, 22m out of tolerance	In preparation
107066	S3	A	CD 146 para 3.2	M1 northbound J24 exit	¾ mile secondary direction sign is proposed at 14m out of tolerance upstream	In preparation
107067	S5	A	CD 146 para 4.19	M1 northbound J24A exit	Omission of confirmatory ALS	In preparation
107068	S6	A	CD 146 para 4.25	M1 northbound J24A exit	Primary VMS is located 773m upstream of the primary direction sign	In preparation

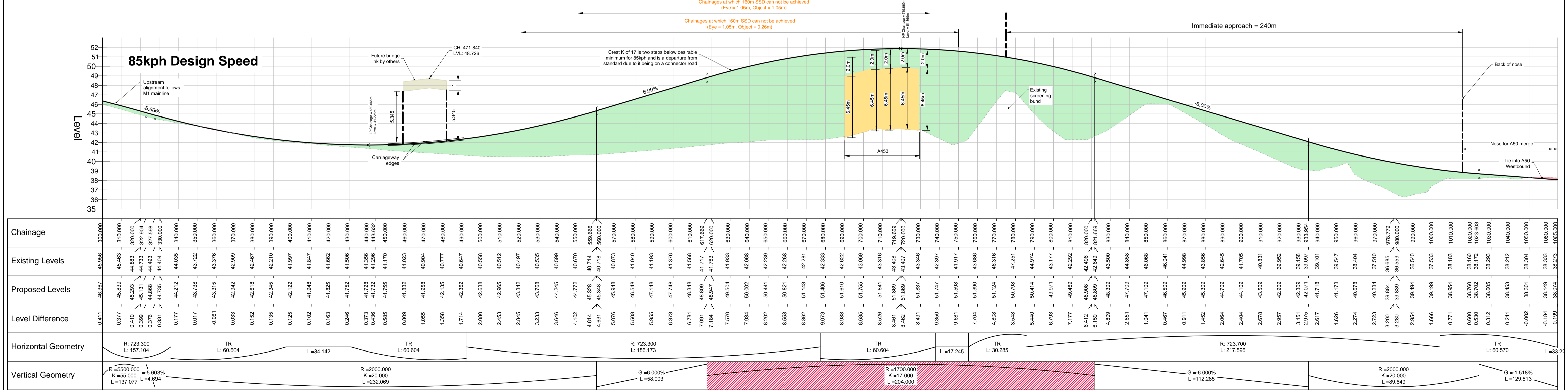


Chainage	Existing Levels
10,000	42.279
20,000	41.802
30,000	41.895
40,000	41.892
50,000	42.102
60,000	42.181
70,000	42.241
80,000	42.280
90,000	42.280
100,000	44.408
105,000	46.215
110,000	46.566
120,000	42.997
130,000	39.875
140,000	40.437
150,000	41.341
160,000	41.643
170,000	41.855

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



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.
- 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.

Legend

[Symbol]	ISSUES & REVISIONS
[Symbol]	Client
[Symbol]	Project Title
[Symbol]	Drawing Title
[Symbol]	Project - Originator - Zone - Level - Type - Role - Number
[Symbol]	Status
[Symbol]	Rev

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

BWB
A CAF GROUP COMPANY

SEGRO

Client: **SEGRO**

Project Title: **East Midlands Gateway 2**

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

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

Status: **S2**

Rev: **P03**

Client

SEGRO

Client: **SEGRO**

Project Title: **East Midlands Gateway 2**

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

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

Status: **S2**

Rev: **P03**

Client

SEGRO

Client: **SEGRO**

Project Title: **East Midlands Gateway 2**

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

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

Status: **S2**

Rev: **P03**

Client

SEGRO

Client: **SEGRO**

Project Title: **East Midlands Gateway 2**

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

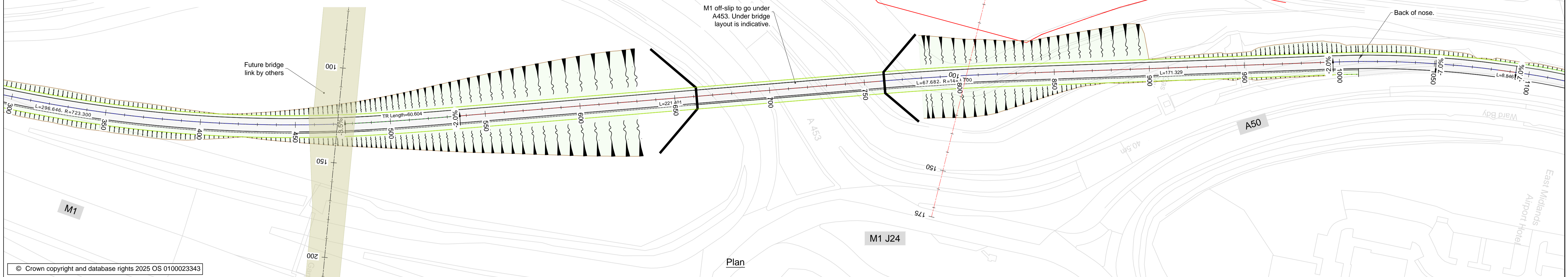
Project - Originator - Zone - Level - Type - Role - Number: **EMG2-BWB-GEN-XX-SK-CH-018**

Status: **S2**

Rev: **P03**

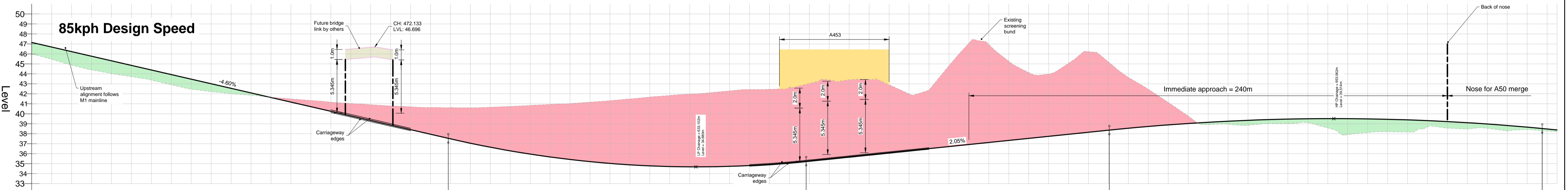
Chainage	Existing Levels
10,000	42.279
20,000	41.802
30,000	41.895
40,000	41.892
50,000	42.102
60,000	42.181
70,000	42.241
80,000	42.280
90,000	42.280
100,000	44.408
105,000	46.215
110,000	46.556
120,000	42.997
130,000	39.875
140,000	40.437
150,000	41.341
160,000	41.643
170,000	41.855

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



© Crown copyright and database rights 2025 OS 0100023343

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	41.023	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	42.293	34.723	-7.570		
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	38.658	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

- 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.

Legend

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

ISSUES & REVISIONS

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

BWB
A CAF GROUP COMPANY

Client: **SEGRO**

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

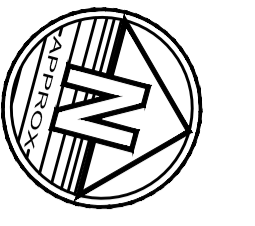
Project Title: **East Midlands Gateway 2**

Drawing Title: **M1 Northbound to A50 Westbound Interchange Link Option 1**

Drawing Status: **FOR INFORMATION**

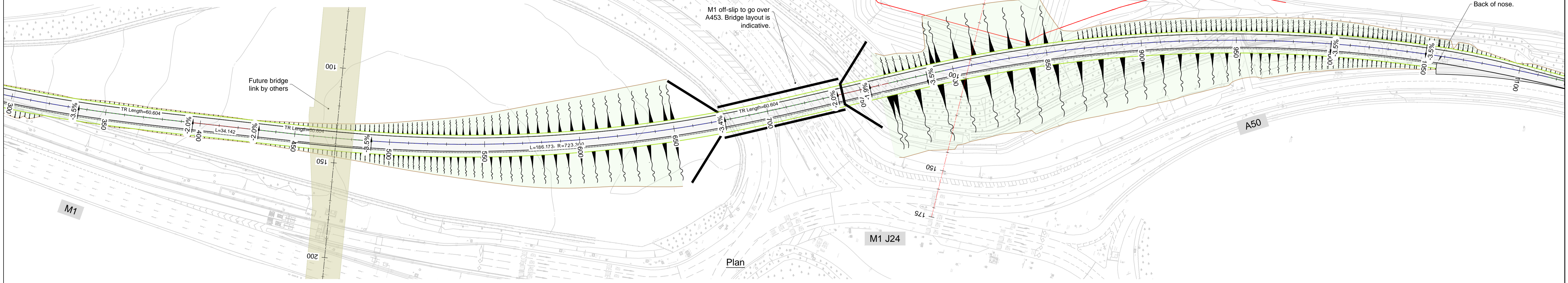
Project - Originator - Zone - Level - Type - Role - Number: **EMG2-BWB-GEN-XX-SK-CH-030**

Status: **S2** | Rev: **P01**

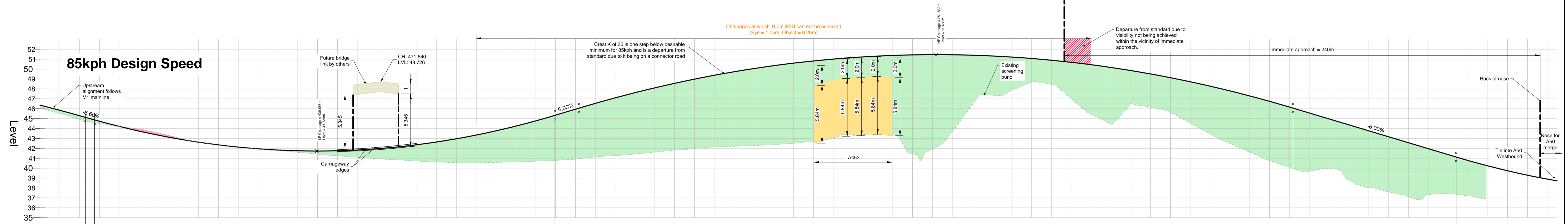


Chainage	Existing Levels
0.000	
10.000	
20.000	
30.000	
40.000	41.980
50.000	42.031
60.000	42.165
70.000	42.151
80.000	42.187
90.000	44.187
100.000	47.851
110.000	47.724
120.000	46.819
130.000	46.468
140.000	43.183
150.000	39.840
160.000	40.099
170.000	41.013
180.000	41.643
190.000	41.874

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	45.639	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	
322.904	44.733	45.151	0.396		
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	42.909	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	41.958	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	40.600	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	40.777	2.886		
1040.000	38.201	40.232	2.291		
1050.000	38.110	39.737	1.607		
1060.000	38.976	39.292	1.186		
1070.000	38.896	38.976	0.780		
1080.000	38.918	38.717	0.658		
1095.000	38.181	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.
- 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.

Legend

[Symbol]	Proposed Level
[Symbol]	Existing Level
[Symbol]	Level Difference
[Symbol]	Horizontal Geometry
[Symbol]	Vertical Geometry

ISSUES & REVISIONS

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

BWB
A CAF GROUP COMPANY

SEGRO

Client: **SEGRO**

Project Title: **East Midlands Gateway 2**

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

Project - Originator - Zone - Level - Type - Role - Number: **EMG2-BWB-GEN-XX-SK-CH-031**

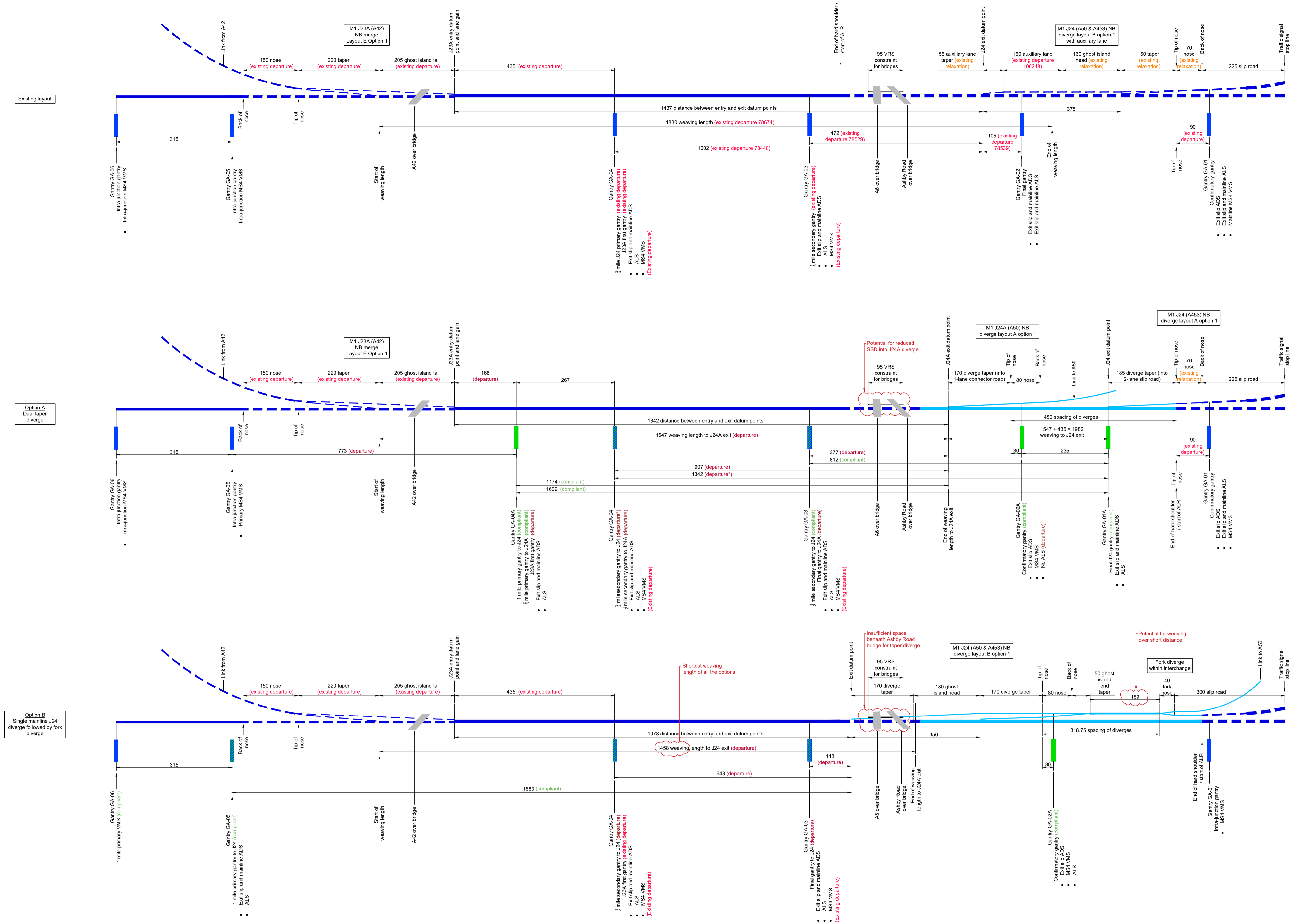
Status: **S2** | Rev: **P01**

FOR INFORMATION

Drawn: M.S	Reviewed: S.H
BWB Ref: 220500	Date: 04.02.25
Scale@A1: 1:1000	

FOR INFORMATION

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



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.

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

BWB
A CAF GROUP COMPANY

Birmingham | 0121 233 3322
 Leeds | 0113 233 8000
 London | 020 7234 9122
 Manchester | 0161 233 4260
 Nottingham | 0115 924 1100
 www.bwbconsulting.com

Client

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

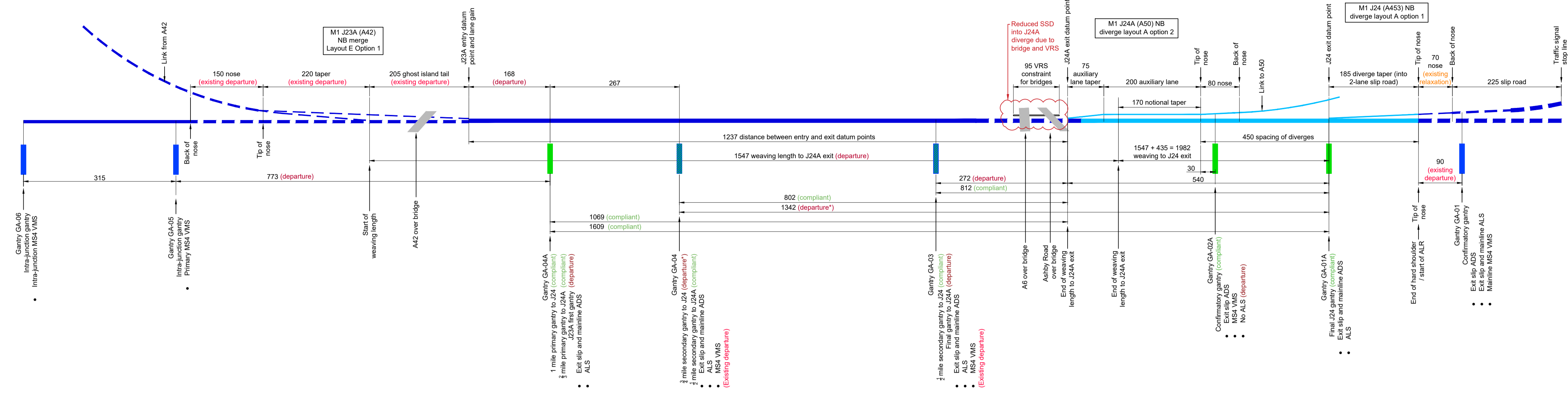
EMG2-BWB-GEN-XX-SK-CH-SK032

Status: **S2**

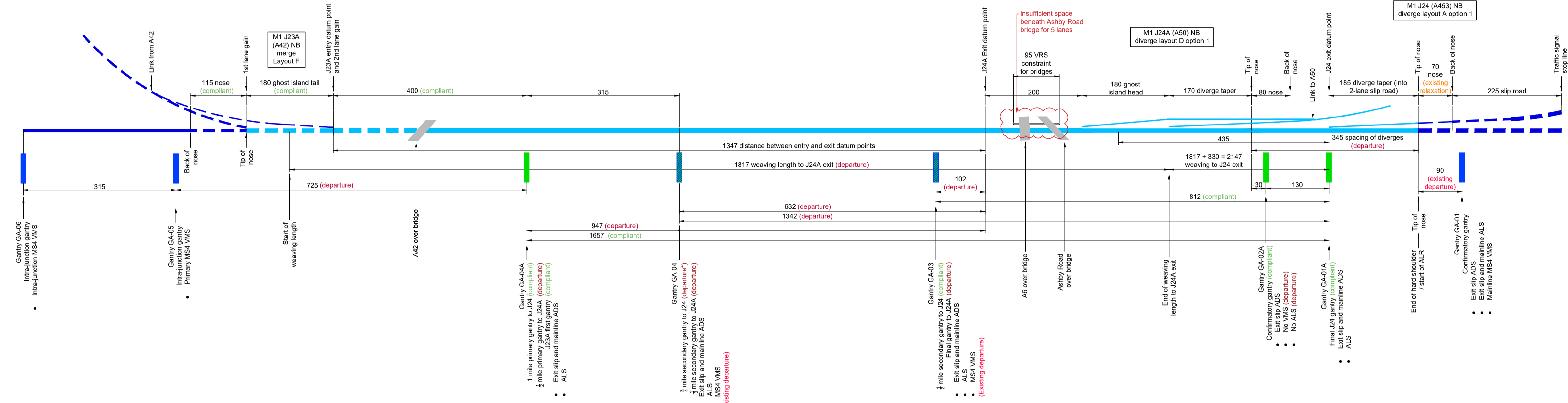
Rev: **P05**



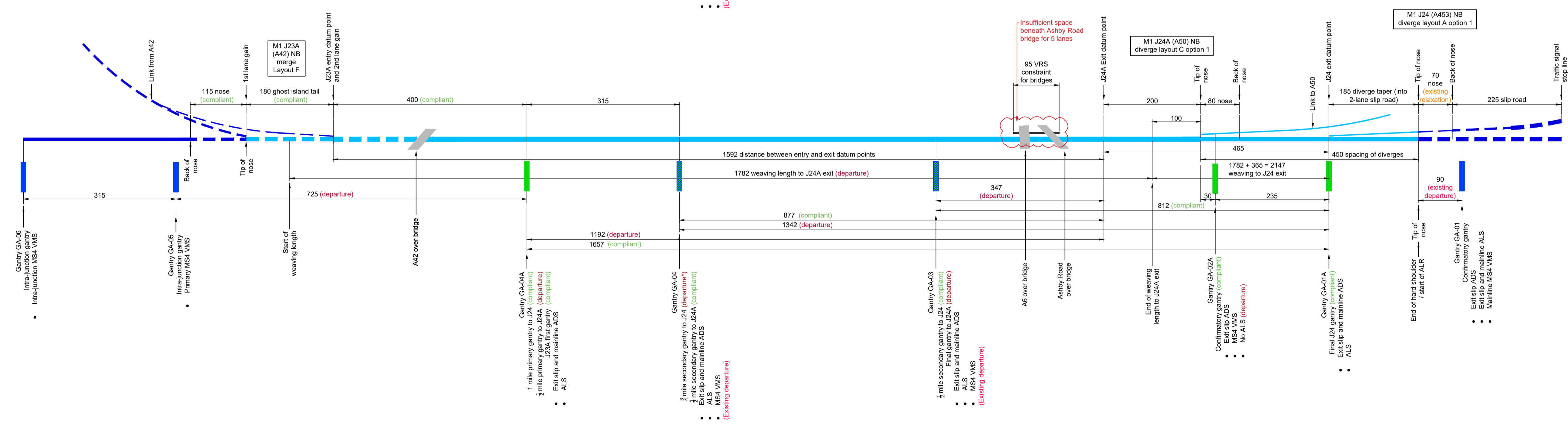
Option D
Auxiliary lane diverge followed by taper diverge (standard spacing)



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



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



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.

Legend & CD 146 notes

Motorway links			
No. lanes	Existing with 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

BWB
A CAF GROUP COMPANY

Birmingham | 0121 233 3322
 Leeds | 0113 233 8000
 London | 020 7234 9122
 Manchester | 0161 233 4260
 Nottingham | 0115 924 1100
 www.bwbconsulting.com

Client

SEGRO

Drawn: S. Hilditch
 Reviewed: S. Hilditch
 Date: 24.02.25
 Scale: A1: 1:5,000

Project Title

EAST MIDLANDS GATEWAY 2 (EMG2)

Drawing Status

FOR INFORMATION

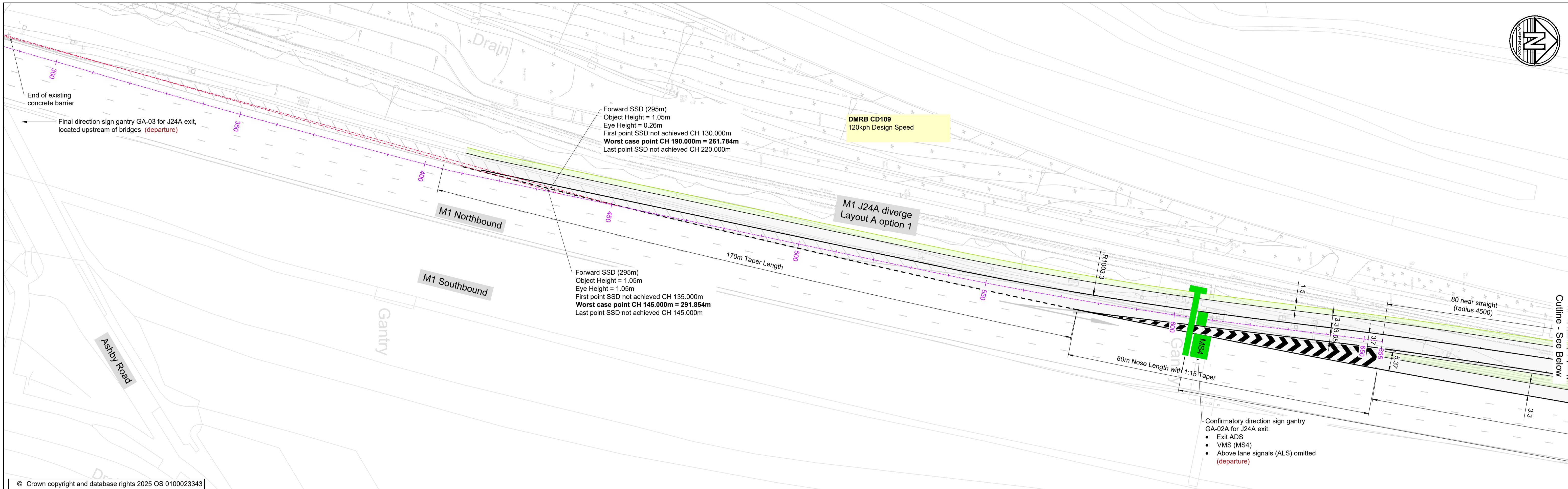
Drawing Title

M1 NORTHBOUND J23A-24 LAYOUT OPTIONS SHEET 2

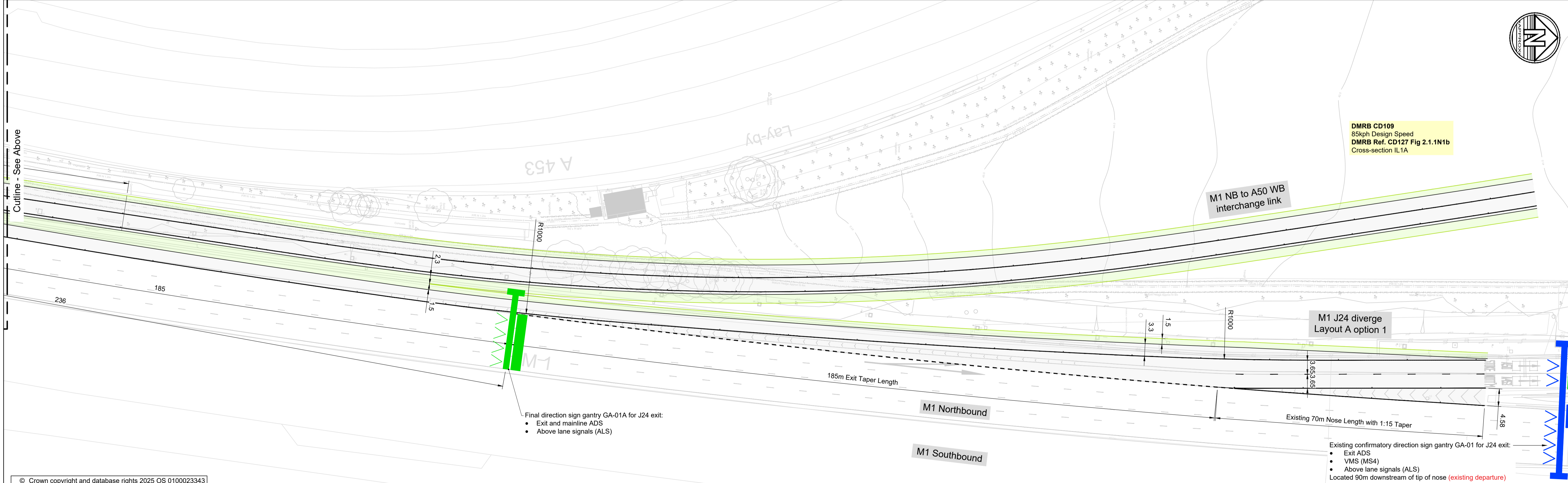
Project - Originator - Zone - Level - Type - Role - Number

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

Status: S2
Rev: P04



© Crown copyright and database rights 2025 OS 0100023343



© Crown copyright and database rights 2025 OS 0100023343

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.

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

BWB
A CAF GROUP COMPANY

Birmingham | 0121 233 3322
 Leeds | 0113 233 8000
 London | 020 7234 9122
 Manchester | 0161 233 4260
 Nottingham | 0115 924 1100
www.bwbconsulting.com

Client

SEGRO

Drawn: M.S. Reviewed: S.H.
 BWB Ref: 220500 Date: 27.02.25 Scale@A1: 1:500

Project Title

East Midlands Gateway 2

Drawing Status

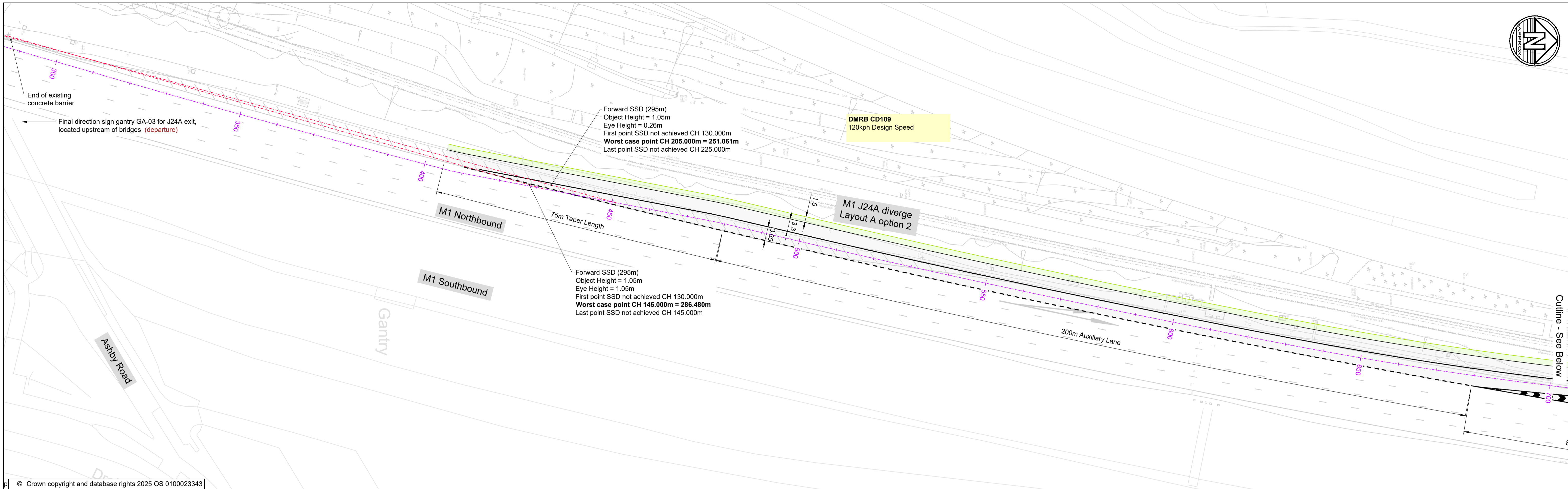
FOR INFORMATION

Drawing Title

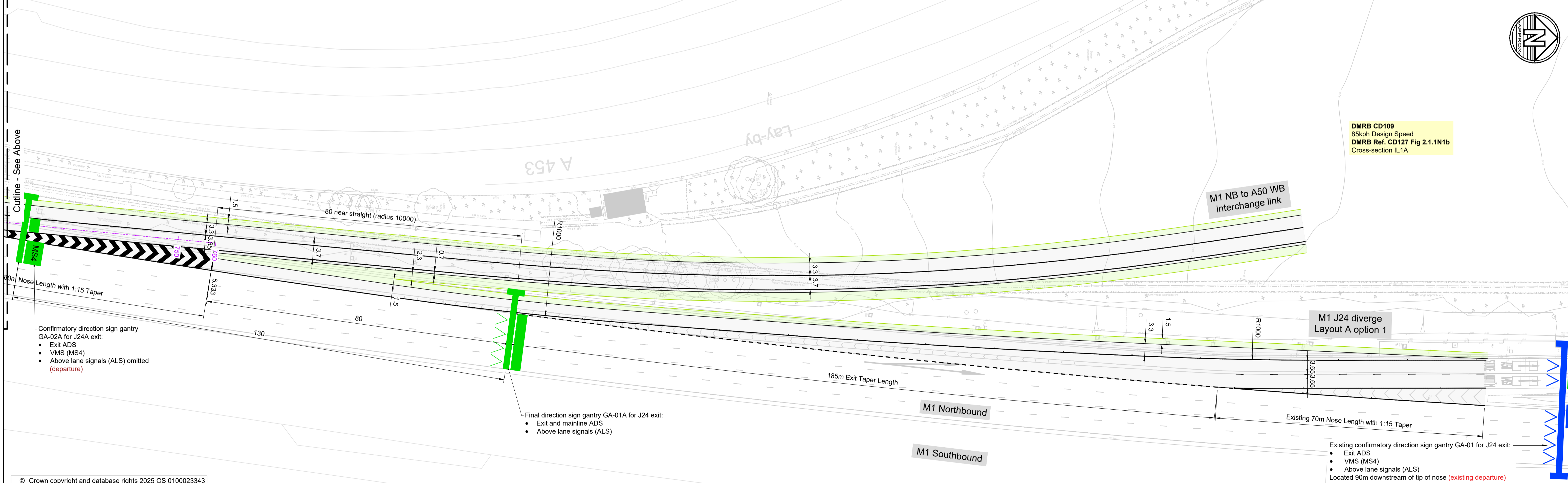
M1 J24 & 24A Northbound Diverge Layout Option A

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

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



© Crown copyright and database rights 2025 OS 0100023343



© Crown copyright and database rights 2025 OS 0100023343

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.

© Copyright BWB Consulting Ltd

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

BWB
A CAF GROUP COMPANY

Birmingham | 0121 233 3322
 Leeds | 0113 233 8000
 London | 020 7234 9122
 Manchester | 0161 233 4260
 Nottingham | 0115 924 1100
www.bwbconsulting.com

Client

SEGRO

Drawn: M.S | Reviewed: S.H
 BWB Ref: 220500 | Date: 27.02.25 | Scale@A1: 1:500

Project Title

East Midlands Gateway 2

Drawing Status

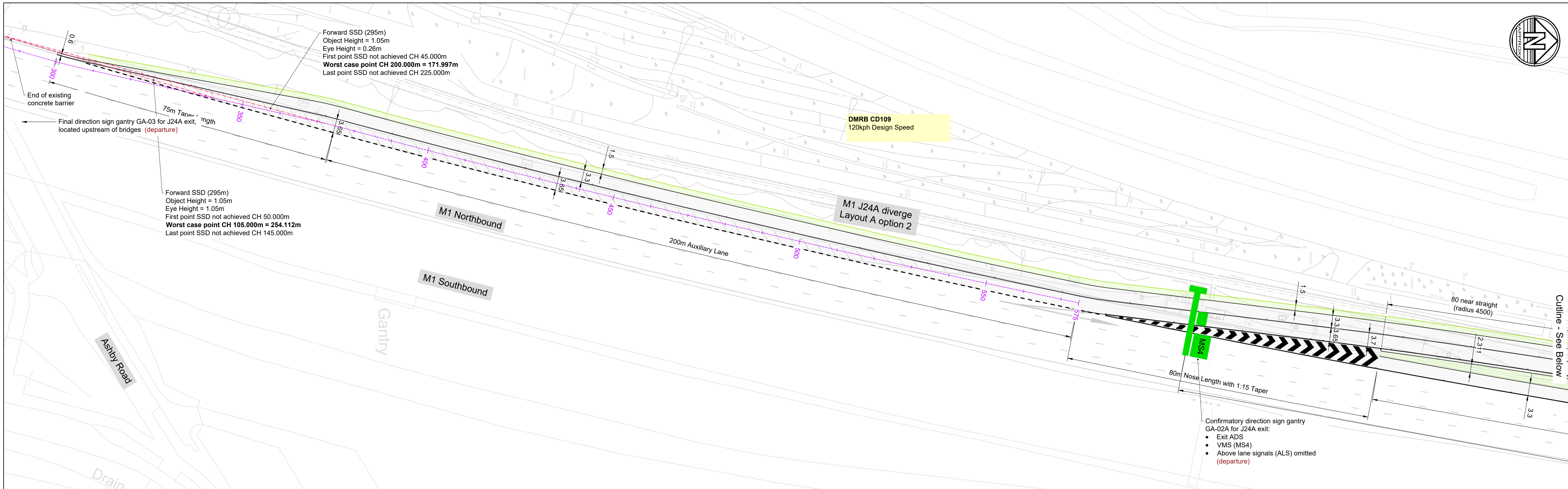
FOR INFORMATION

Drawing Title

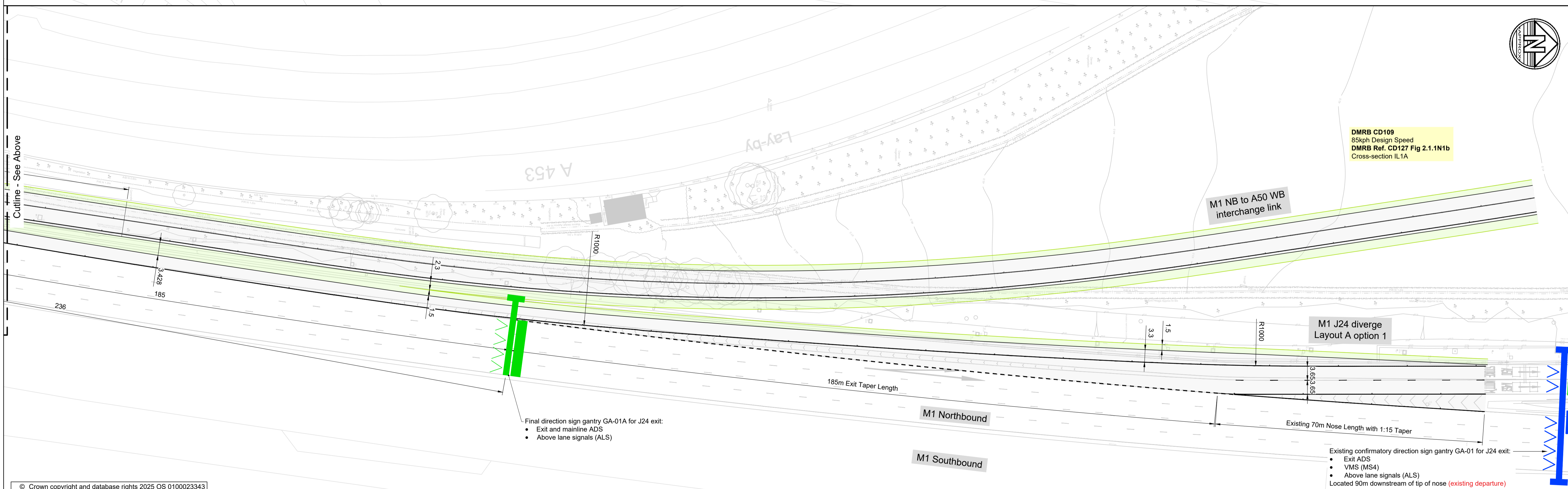
M1 J24 & 24A Northbound Diverge Layout Option C

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

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



Cutline - See Below



Cutline - See Above

© Crown copyright and database rights 2025 OS 0100023343

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.

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

BWB
A CAF GROUP COMPANY

Birmingham | 0121 233 3322
 Leeds | 0113 233 8000
 London | 020 7234 9122
 Manchester | 0161 233 4260
 Nottingham | 0115 924 1100
 www.bwbconsulting.com

Client

SEGRO

Drawn: M.S | Reviewed: S.H
 BWB Ref: 220500 | Date: 27.02.25 | Scale@A1: 1:500

Project Title

East Midlands Gateway 2

Drawing Status

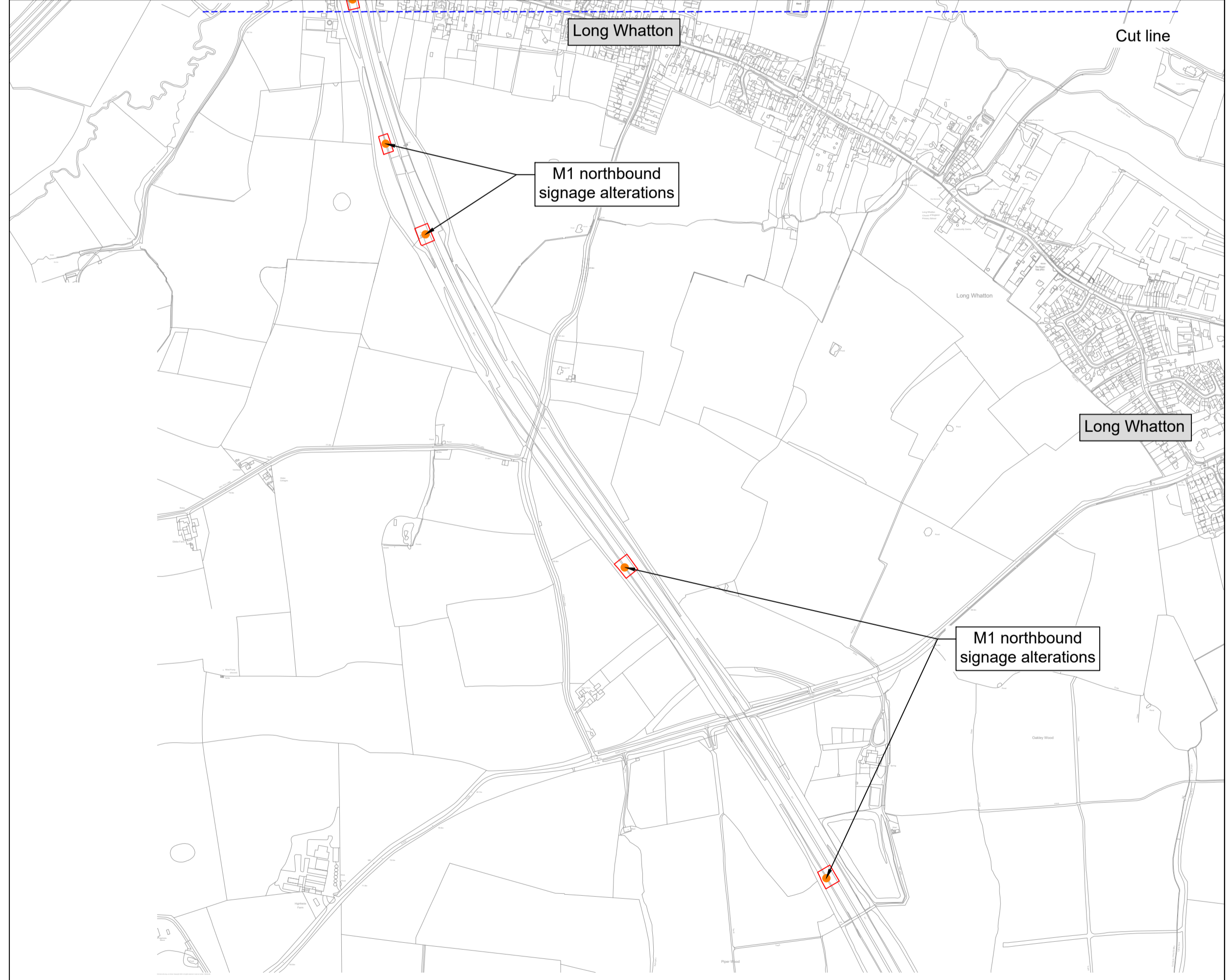
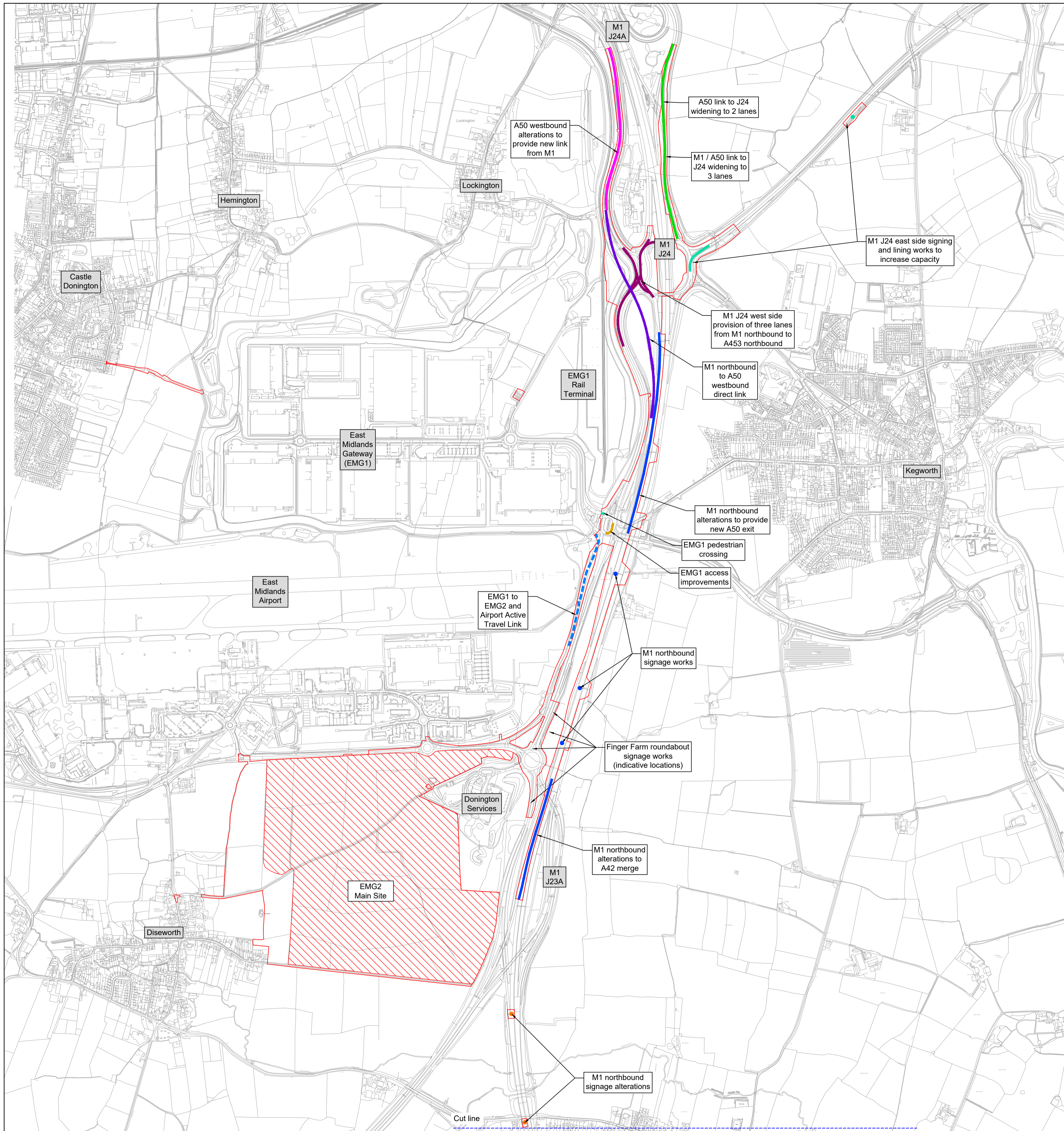
FOR INFORMATION

Drawing Title

M1 J24 & 24A Northbound Diverge Layout Option D

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

EMG2-BWB-GEN-XX-SK-CH-036 | S2 | P01



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.

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	

BWB
A CAF GROUP COMPANY

Birmingham | 0121 233 3322
 Leeds | 0113 233 8000
 London | 020 7234 9122
 Manchester | 0161 233 4260
 Nottingham | 0115 924 1100
www.bwbconsulting.com

Client

SEGRO

Drawn: S. Hilditch Reviewed: S. Hilditch
 BWB Ref: 220500 Date: 04.03.25 Scale@A1: 1:10,000

Project Title

EAST MIDLANDS GATEWAY 2 (EMG2)

Drawing Status

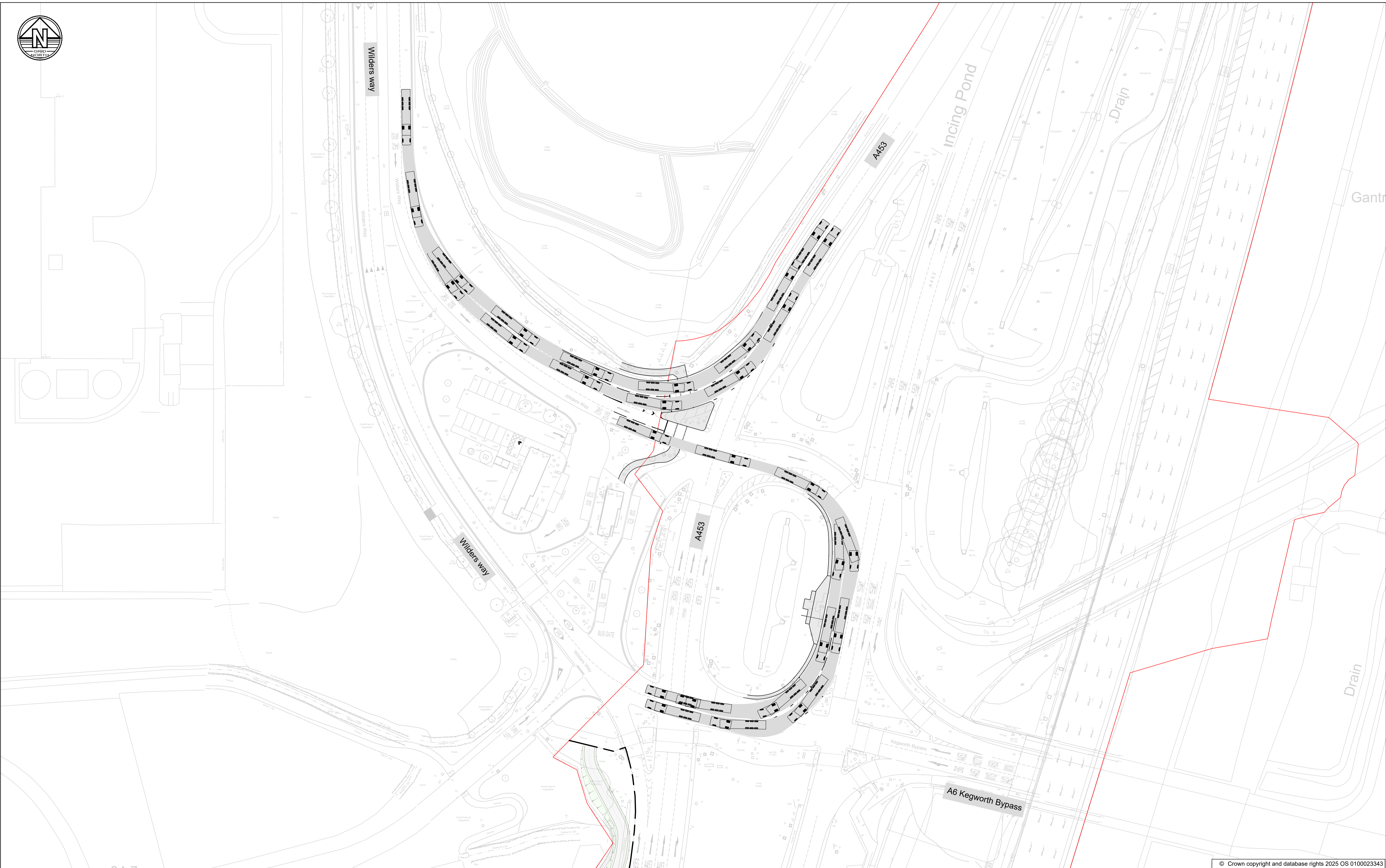
FOR INFORMATION

Drawing Title

OVERVIEW OF WORKS ON THE STRATEGIC ROAD NETWORK

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

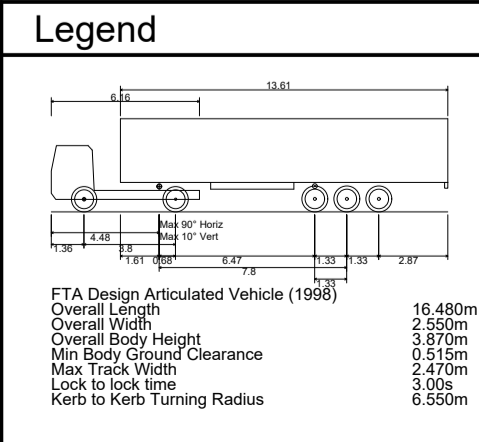
EMG2-BWB-GEN-XX-SK-CH-SK037 S2 P03



© Crown copyright and database rights 2025 OS 0100023343

Notes

1. Do not scale this drawing. All dimensions must be checked/ verified on site. If in doubt ask.
2. This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
3. All dimensions in metres unless noted otherwise. All levels in metres unless noted otherwise.
4. Any discrepancies noted on site are to be reported to the engineer immediately.



ISSUES & REVISIONS

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

<input type="checkbox"/>	Birmingham 0121 233 3322
<input type="checkbox"/>	Leeds 0113 233 8000
<input type="checkbox"/>	London 020 7234 9122
<input checked="" type="checkbox"/>	Manchester 0161 233 4260
<input type="checkbox"/>	Nottingham 0115 924 1100
www.bwbconsulting.com	

SEGRO

Client

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

Project Title

East Midlands Gateway 2

Drawing Status

FOR INFORMATION

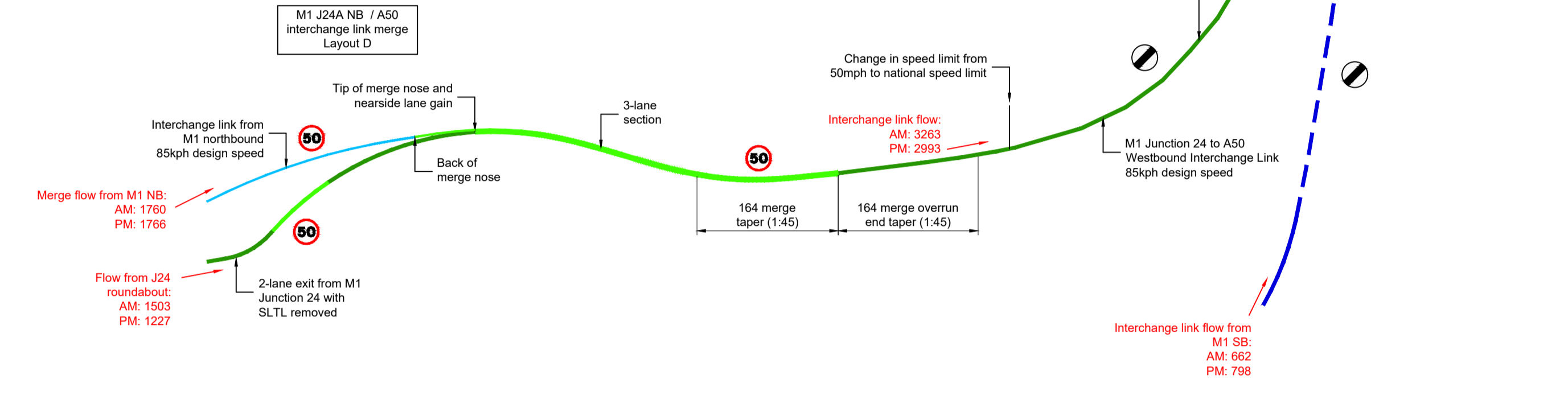
Drawing Title

Existing EMG1 Junction Vehicle Tracking

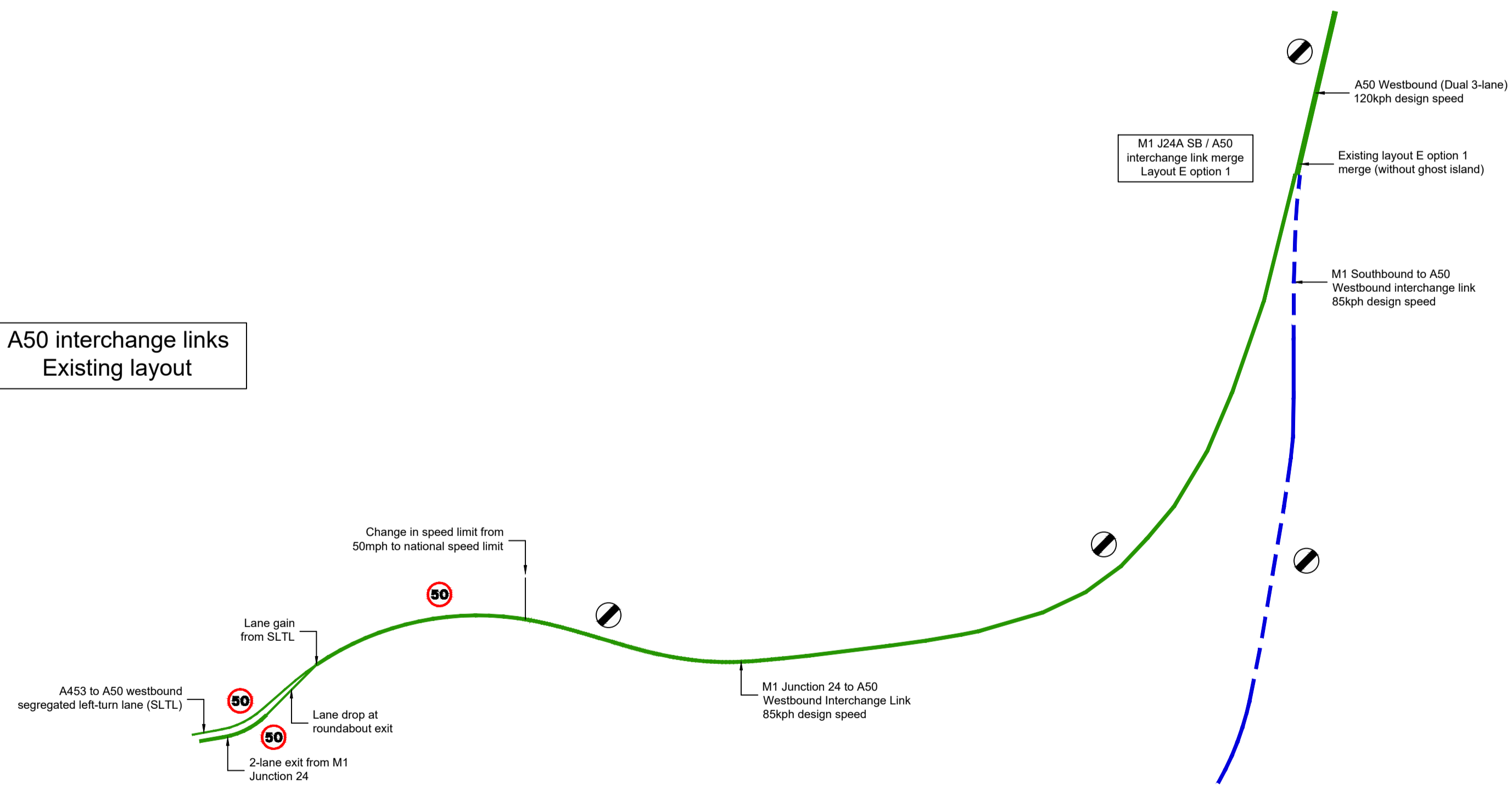
Project - Originator - Zone - Level - Type - Role - Number	Status	Rev
EMG2-BWB-GEN-XX-SK-CH-SK038	S2	P01



A50 interchange links
Proposed layout



A50 interchange links
Existing layout



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.

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

BWB
A CAF GROUP COMPANY

- Birmingham | 0121 233 3322
- Leeds | 0113 233 8000
- London | 020 7234 9122
- Manchester | 0161 233 4260
- Nottingham | 0115 924 1100

www.bwbconsulting.com

Client

SEGRO

Drawn: S. Hilditch | Reviewed: S. Hilditch
BWB Ref: 220500 | Date: 20.06.25 | Scale@A1: 1:5,000

Project Title

EAST MIDLANDS GATEWAY 2 (EMG2)

Drawing Status

FOR INFORMATION

Drawing Title

A50 WESTBOUND LINK SCHEMATIC

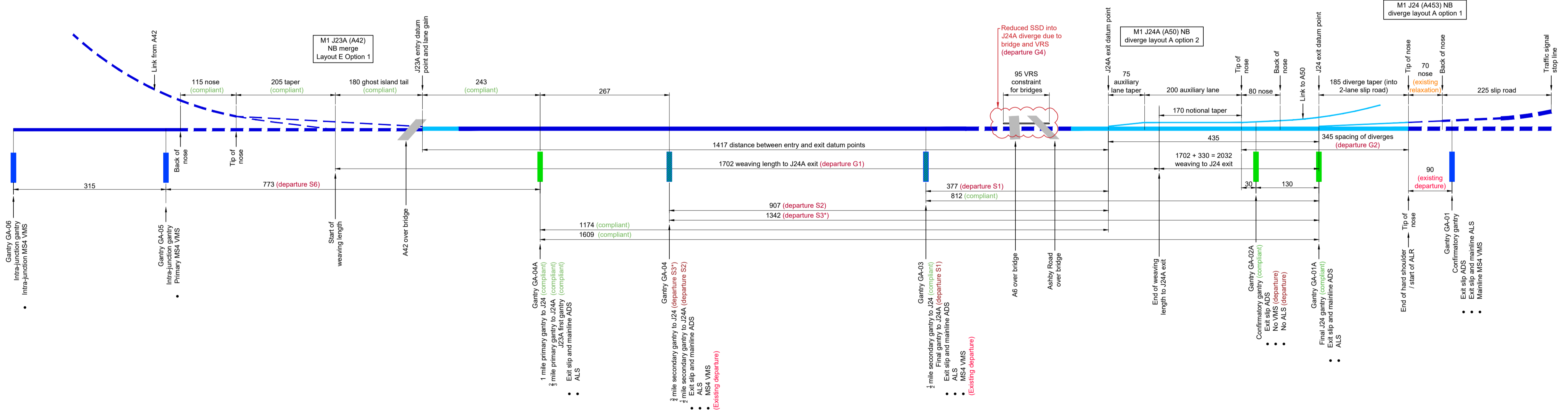
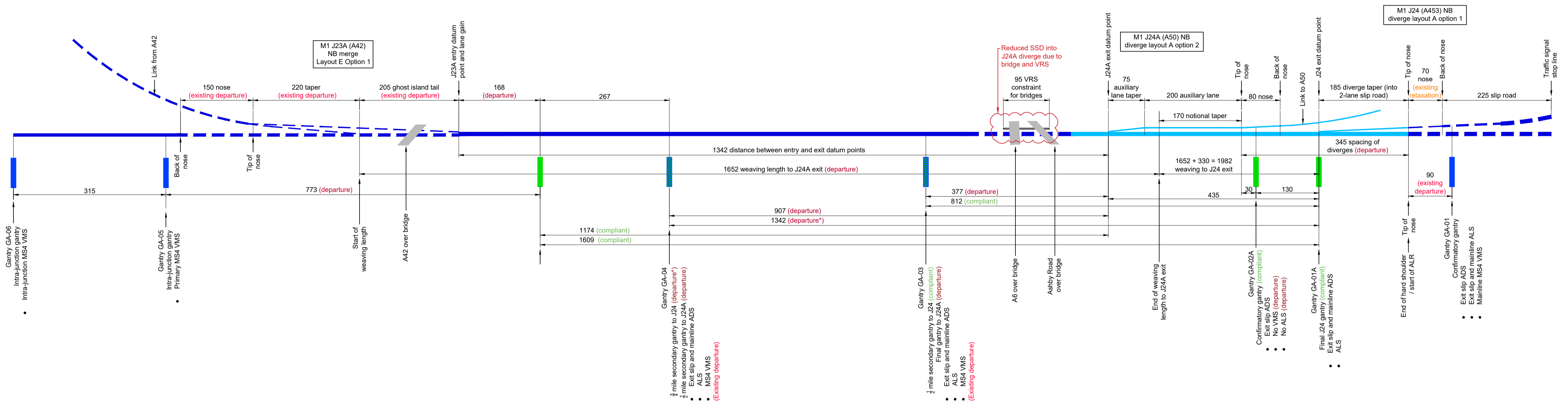
Project - Originator - Zone - Level - Type - Role - Number | Status | Rev

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



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.

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

BWB
A CAF GROUP COMPANY

Birmingham | 0121 233 3322
 Leeds | 0113 233 8000
 London | 020 7234 9122
 Manchester | 0161 233 4260
 Nottingham | 0115 924 1100
 www.bwbconsulting.com

Client

SEGRO

Drawn: S. Hilditch
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

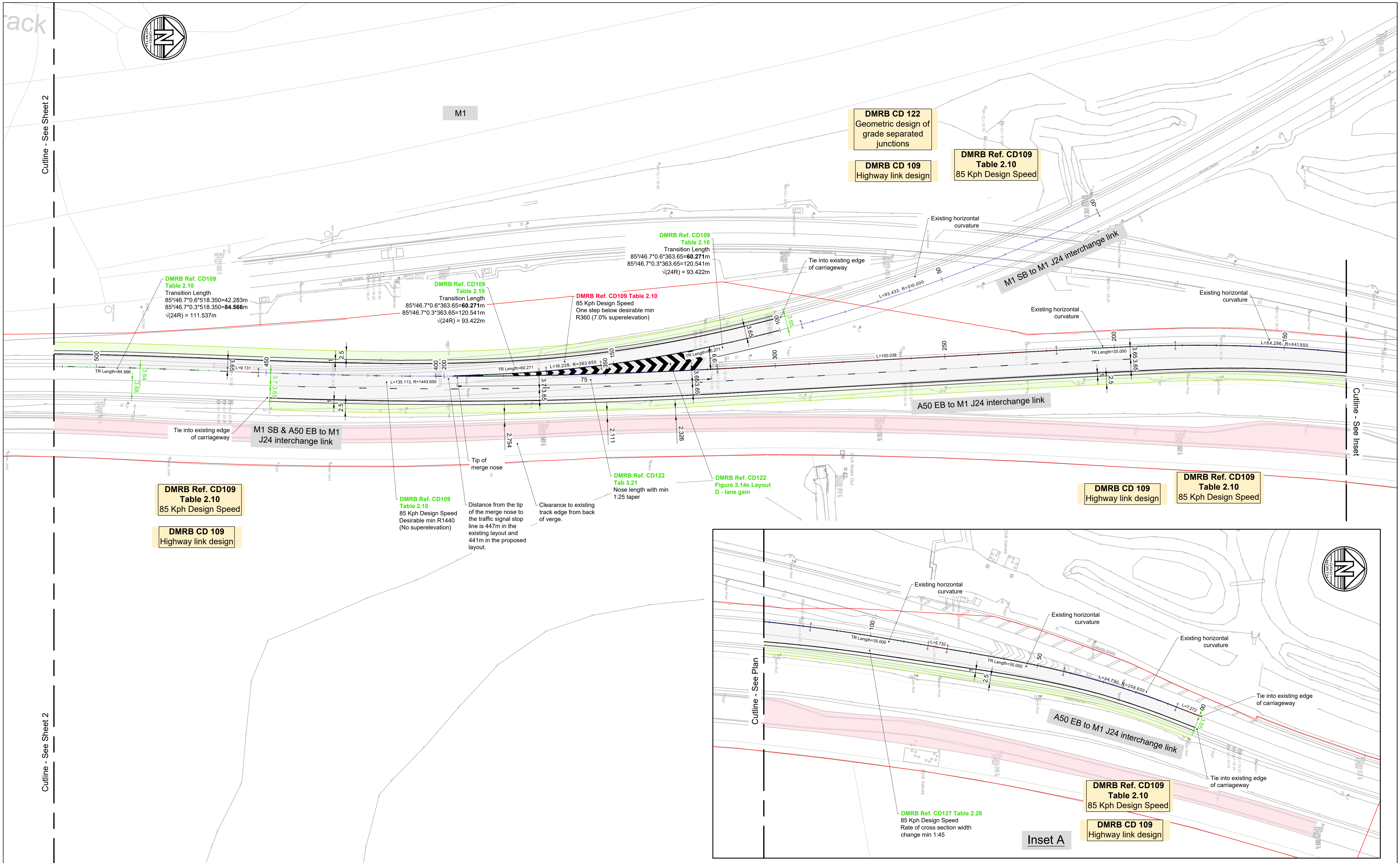
EMG2-BWB-GEN-XX-SK-CH-SK065

Status

S2

Rev

P01



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.
- 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

© Crown copyright and database rights 2025 OS 0100023343

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

BWB
A CAF GROUP COMPANY

Birmingham | 0121 233 3322
 Leeds | 0113 233 8000
 London | 020 7234 9122
 Manchester | 0161 233 4260
 Nottingham | 0115 924 1100
 www.bwbconsulting.com

Client: **SEGRO**

Drawn: M.S. | Reviewed: S.H. | Date: 04.03.25 | Scale@A1: 1:500

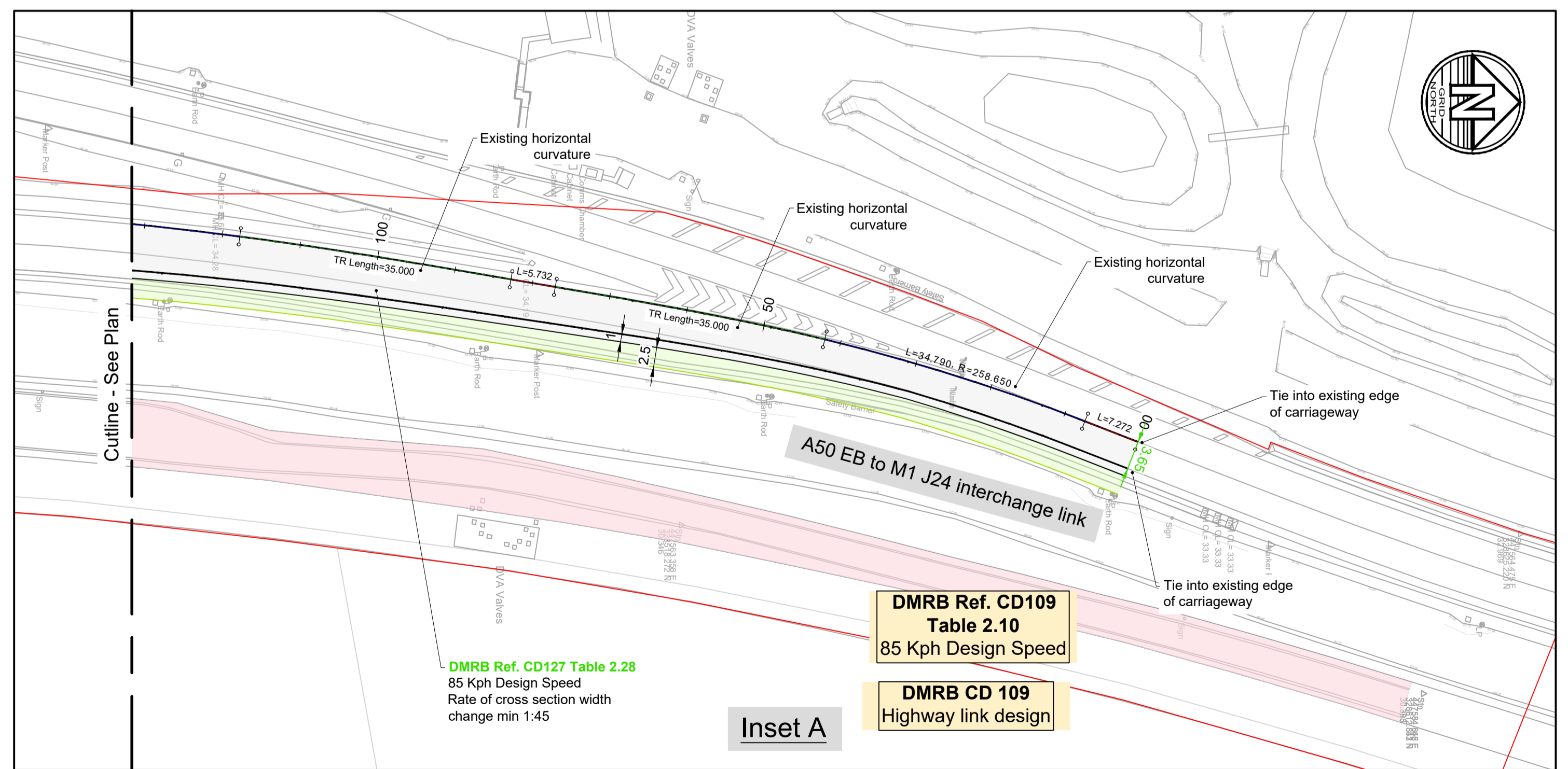
Project Title: **East Midlands Gateway 2**

Drawing Status: **FOR INFORMATION**

Drawing Title: **A50 Eastbound Geometry Plans Sheet 1 of 2**

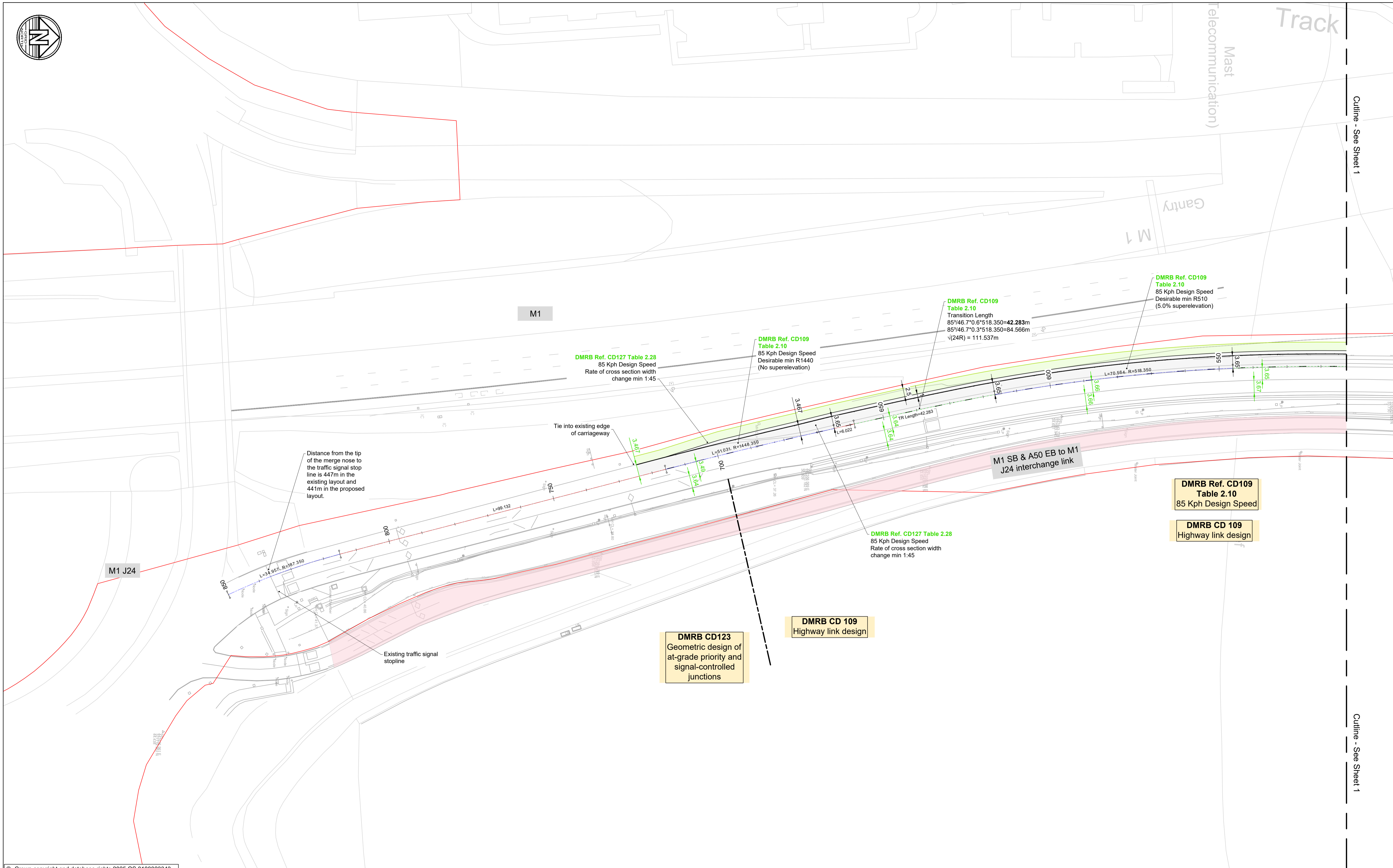
Project - Originator - Zone - Level - Type - Role - Number: **EMG2-BWB-HGN-A50EB-DR-H-0101**

Status: **S2** | Rev: **P01**



Outline - See Sheet 2

Outline - See Inset



Distance from the tip of the merge nose to the traffic signal stop line is 447m in the existing layout and 441m in the proposed layout.

DMRB Ref. CD127 Table 2.28
85 Kph Design Speed
Rate of cross section width change min 1:45

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

DMRB Ref. CD109 Table 2.10
Transition Length
85/46.7*0.6*518.350=42.283m
85/46.7*0.3*518.350=84.566m
√(24R) = 111.537m

DMRB Ref. CD109 Table 2.10
85 Kph Design Speed
Desirable min R510
(5.0% superelevation)

DMRB Ref. CD109 Table 2.10
85 Kph Design Speed

DMRB CD 109
Highway link design

DMRB Ref. CD127 Table 2.28
85 Kph Design Speed
Rate of cross section width change min 1:45

DMRB CD123
Geometric design of at-grade priority and signal-controlled junctions

DMRB CD 109
Highway link design

© Crown copyright and database rights 2025 OS 0100023343

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.
- 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

BWB
A CAF GROUP COMPANY

Birmingham | 0121 233 3322
 Leeds | 0113 233 8000
 London | 020 7234 9122
 Manchester | 0161 233 4260
 Nottingham | 0115 924 1100
www.bwbconsulting.com

Client

SEGRO

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

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

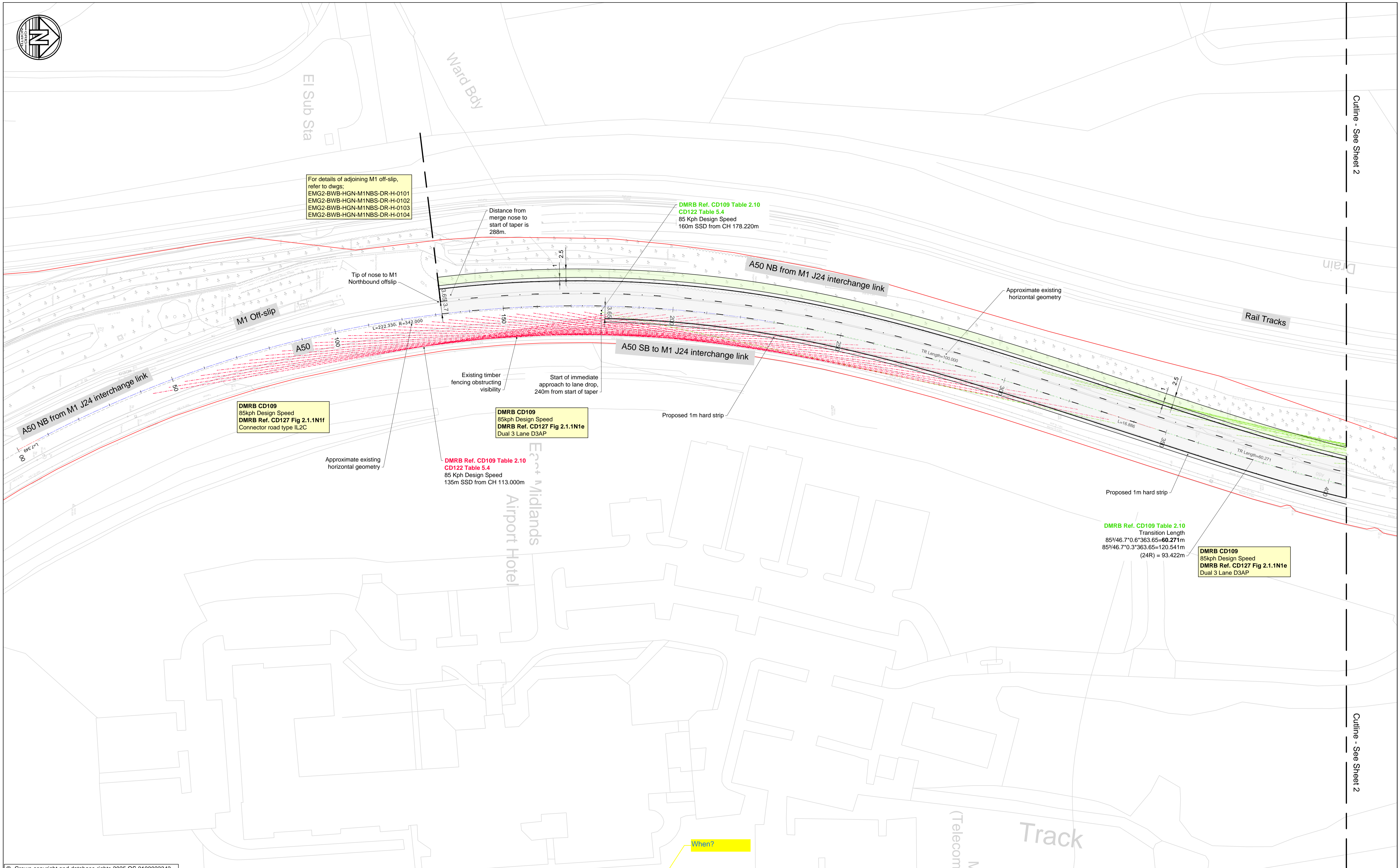
EMG2-BWB-HGN-A50EB-DR-H-0102

Status Rev

S2 P01

Outline - See Sheet 1

Outline - See Sheet 1



Outline - See Sheet 2

Outline - See Sheet 2

© Crown copyright and database rights 2025 OS 0100023343

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.
- 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	1bc	Issue for information	MS	SH

BWB
A CAF GROUP COMPANY

- Birmingham | 0121 233 3322
- Leeds | 0113 233 8000
- London | 020 7234 9122
- Manchester | 0161 233 4260
- Nottingham | 0115 924 1100

www.bwbconsulting.com

Client

SEGRO

Drawn: M.S
 B/WB Ref: 220500
 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

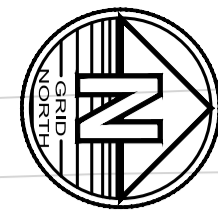
EMG2-BWB-HGN-A50WB-DR-H-0101

Status

S2

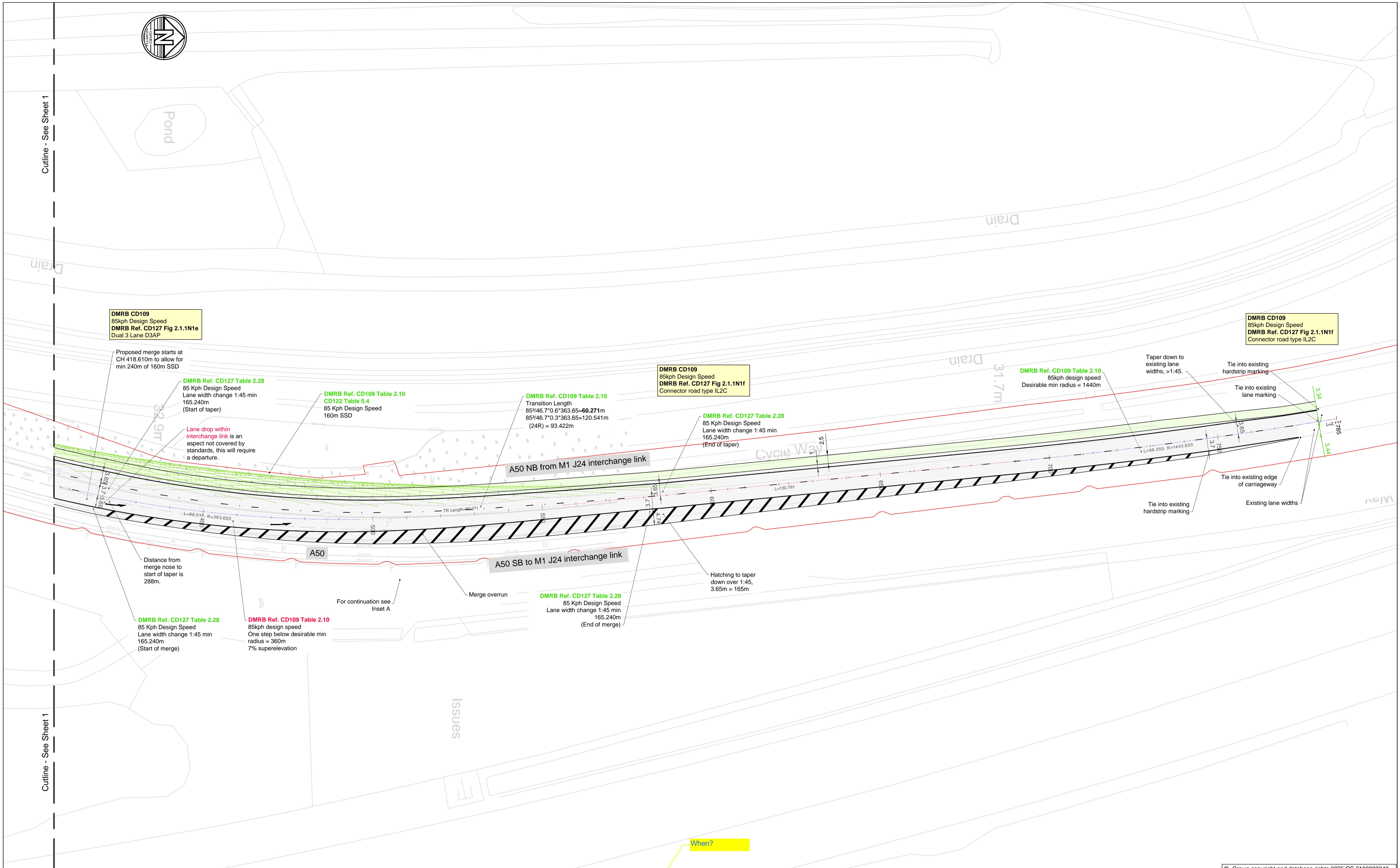
Rev

P01



Cutline - See Sheet 1

Cutline - See Sheet 1



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.
- 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	ltc	Issue for information	MS	SH

BWB
A CAF GROUP COMPANY

- Birmingham | 0121 233 3322
- Leeds | 0113 233 8000
- London | 020 7234 9122
- Manchester | 0161 233 4260
- Nottingham | 0115 924 1100

www.bwbconsulting.com

Client

SEGRO

Drawn: M.S | Reviewed: S.H
 BWB Ref: 220500 | 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 2 of 2

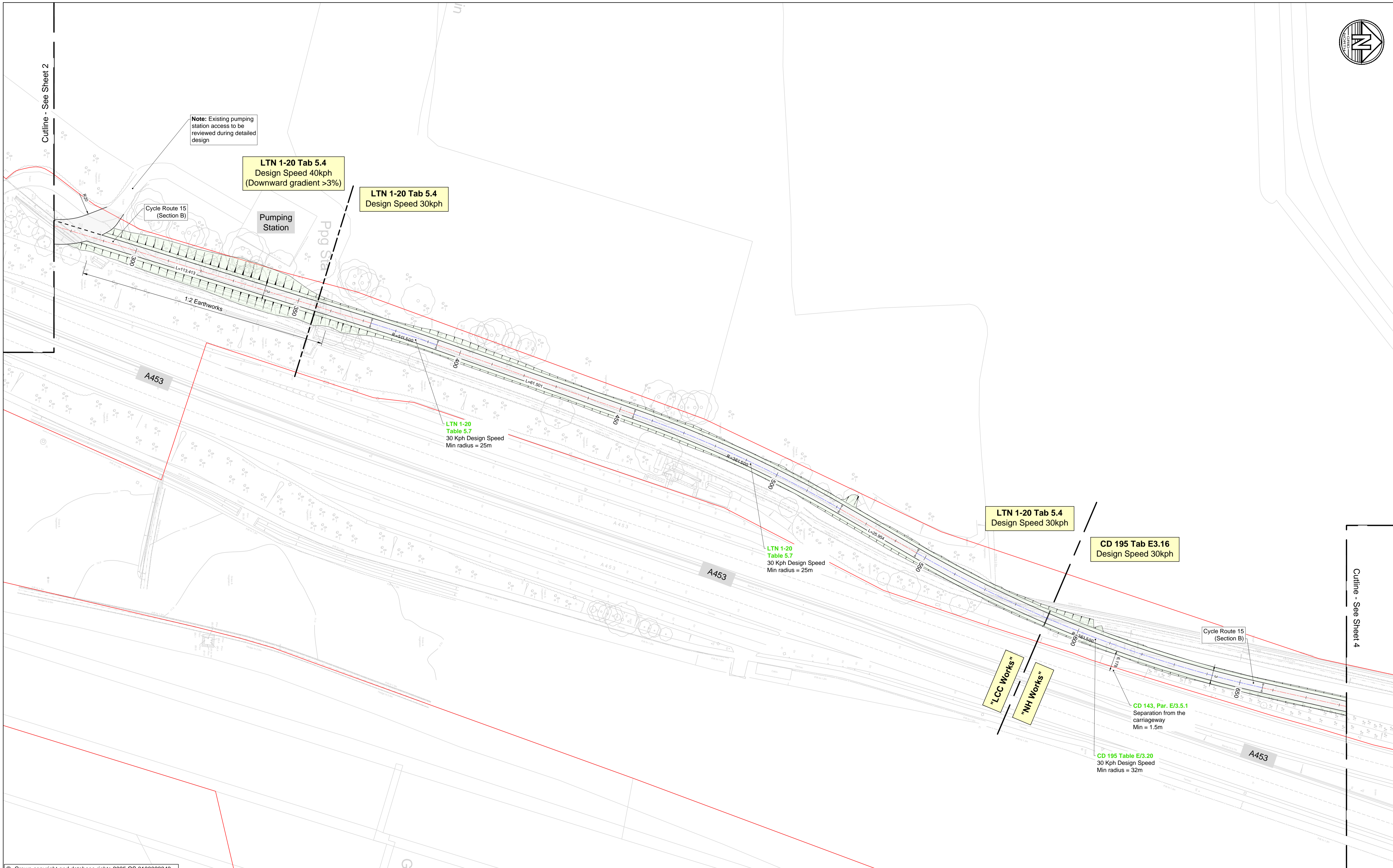
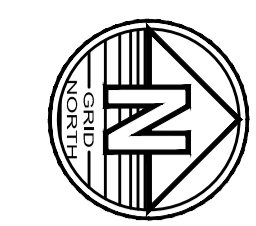
Project - Originator - Zone - Level - Type - Role - Number

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

Status Rev

S2 P01

© Crown copyright and database rights 2025 OS 0100023343



Cutline - See Sheet 2

Cutline - See Sheet 4

© Crown copyright and database rights 2025 OS 0100023343

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.
- 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

BWB
A CAF GROUP COMPANY

- Birmingham | 0121 233 3322
- Leeds | 0113 233 8000
- London | 020 7234 9122
- Manchester | 0161 233 4260
- Nottingham | 0115 924 1100

www.bwbconsulting.com

Client

SEGRO

Drawn: M.S | Reviewed: S.H
 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**

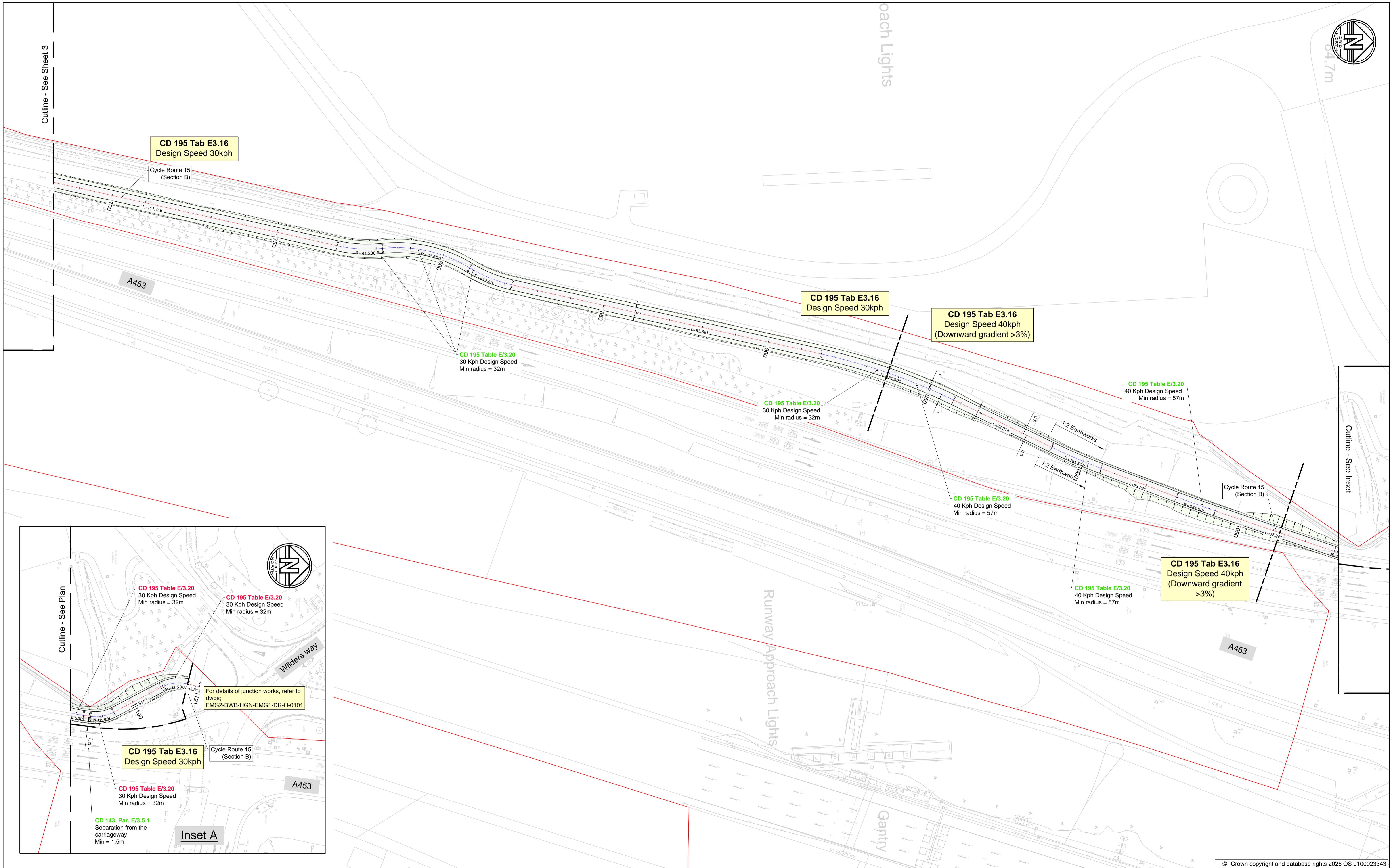
Project - Originator - Zone - Level - Type - Role - Number

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

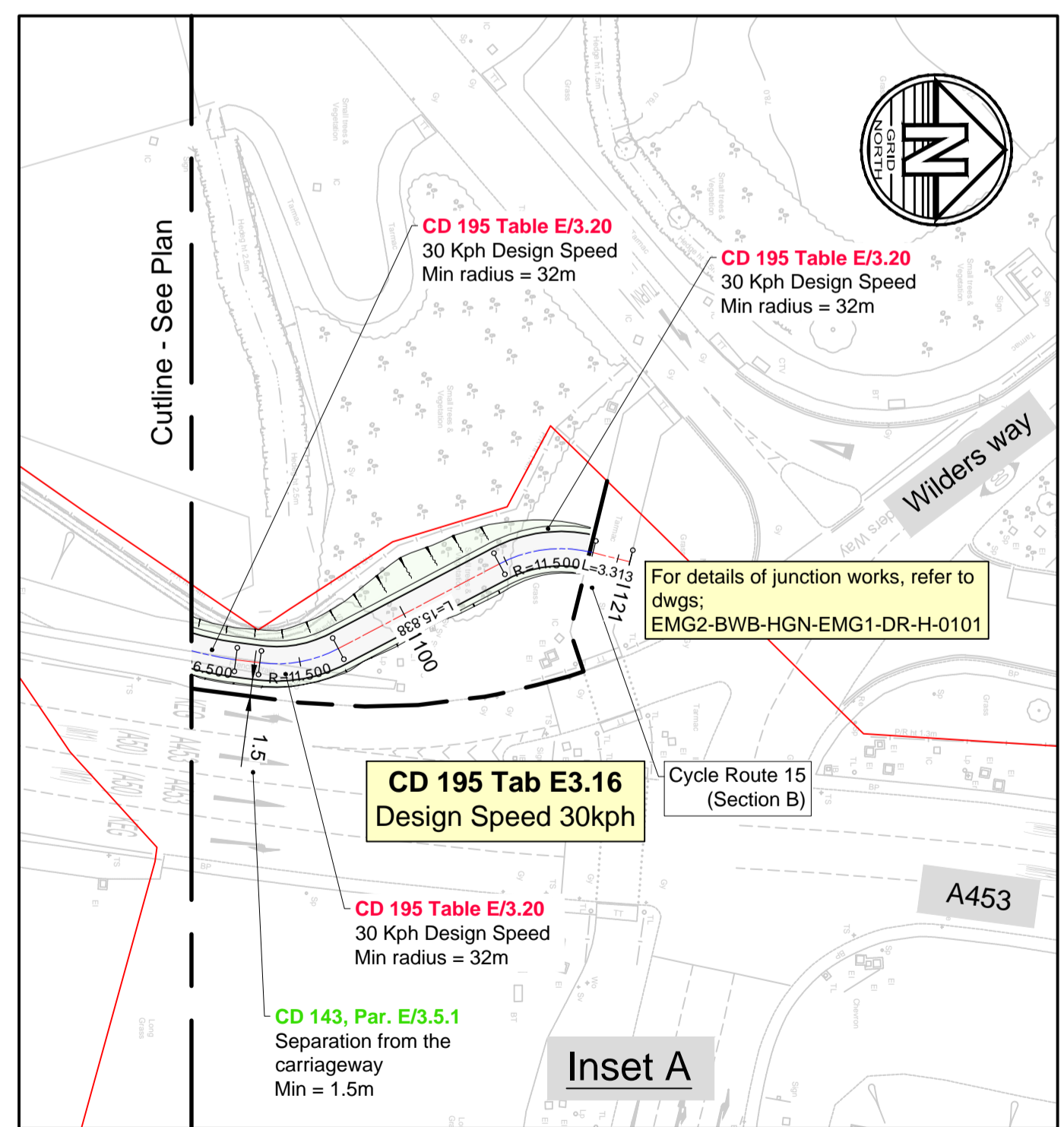
Status **S2** | Rev **P02**



Cutline - See Sheet 3



Cutline - See Inset



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.
- 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

BWB
A CAF GROUP COMPANY

Birmingham | 0121 233 3322
 Leeds | 0113 233 8000
 London | 020 7234 9122
 Manchester | 0161 233 4260
 Nottingham | 0115 924 1100
www.bwbconsulting.com

SEGRO

Client

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

Project Title
East Midlands Gateway 2

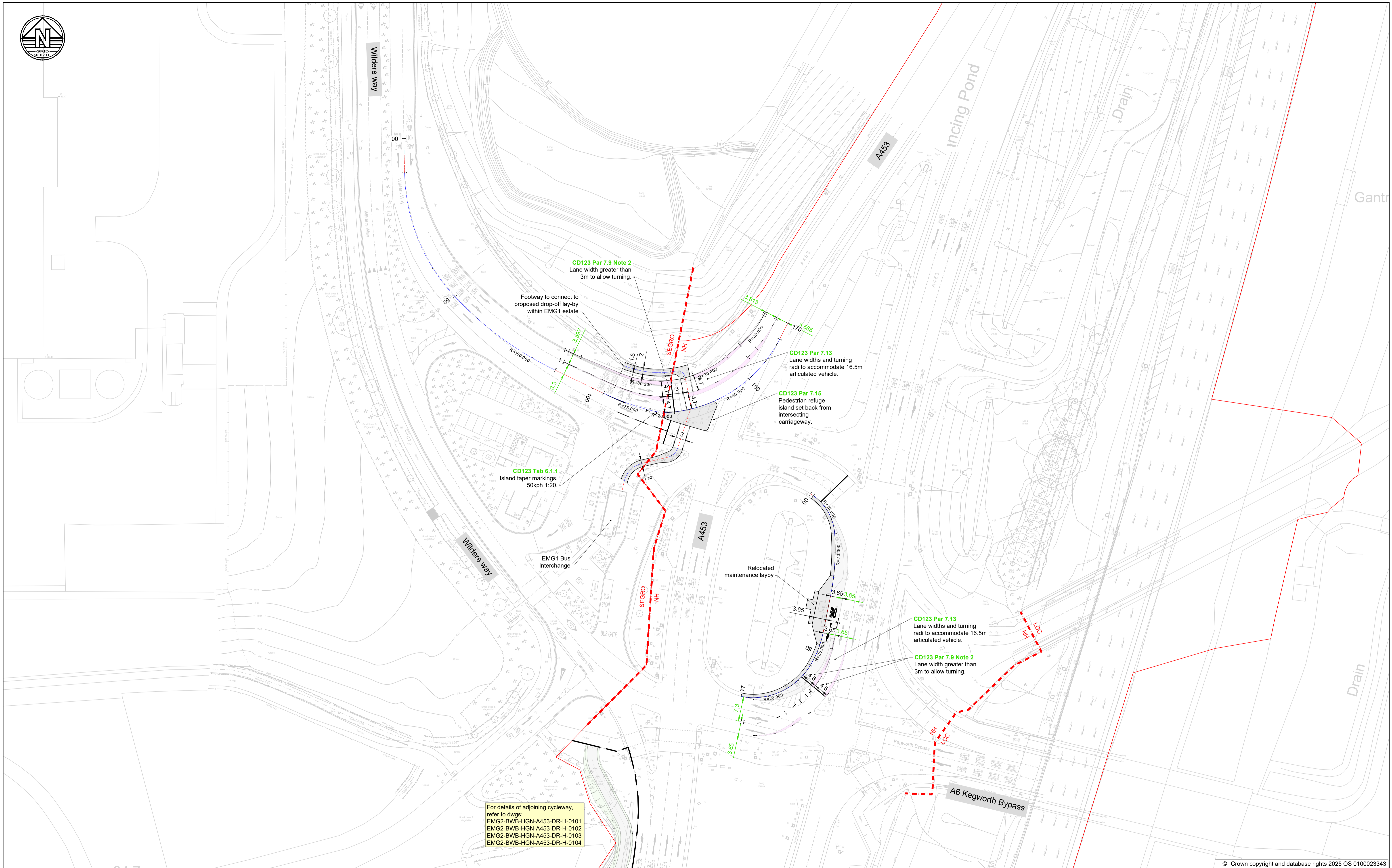
Drawing Status
FOR INFORMATION

Drawing Title
**A453
Geometry Plans
Sheet 4 of 4**

Project - Originator - Zone - Level - Type - Role - Number
EMG2-BWB-HGN-A453-DR-H-0104

Status
S2

Rev
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

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.
- 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	27.02.25	Issue for information	MS	SRH
P02	17.03.26	RS A1 Updates incorporated	DF	SRH

BWB
A CAF GROUP COMPANY

- Birmingham | 0121 233 3322
- Leeds | 0113 233 8000
- London | 020 7234 9122
- Manchester | 0161 233 4260
- Nottingham | 0115 924 1100

www.bwbconsulting.com

Client

SEGRO

Drawn: M.S Reviewed: S.H
 Date: 20.02.25 Scale@A1: 1:500

Project Title

East Midlands Gateway 2

Drawing Status

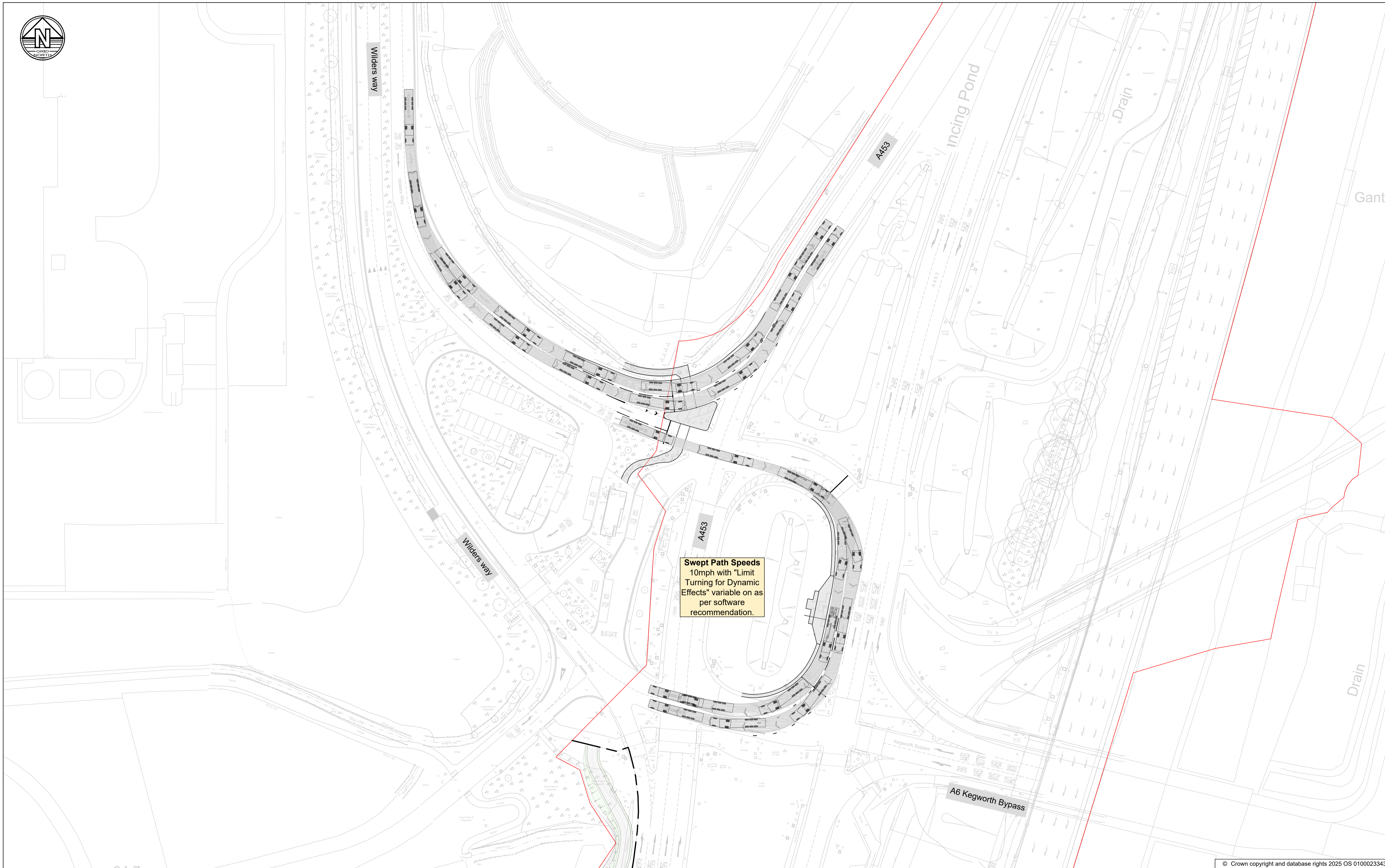
FOR INFORMATION

Drawing Title

A6 / A453 / EMG1 Junction Geometry Plan

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

EMG2-BWB-HGN-A453-DR-H-0101 S2 P02

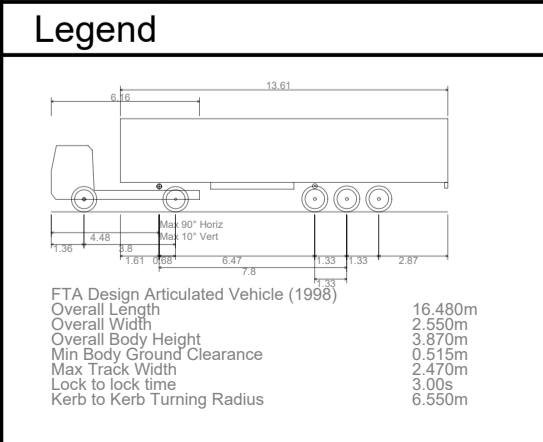


Swept Path Speeds
 10mph with "Limit Turning for Dynamic Effects" variable on as per software recommendation.

© Crown copyright and database rights 2025 OS 0100023343

Notes

1. Do not scale this drawing. All dimensions must be checked/ verified on site. If in doubt ask.
2. This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
3. All dimensions in metres unless noted otherwise. All levels in metres unless noted otherwise.
4. Any discrepancies noted on site are to be reported to the engineer immediately.



ISSUES & REVISIONS

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

BWB
 A CAF GROUP COMPANY

- Birmingham | 0121 233 3322
- Leeds | 0113 233 8000
- London | 020 7234 9122
- Manchester | 0161 233 4260
- Nottingham | 0115 924 1100

www.bwbconsulting.com

SEGRO

Client

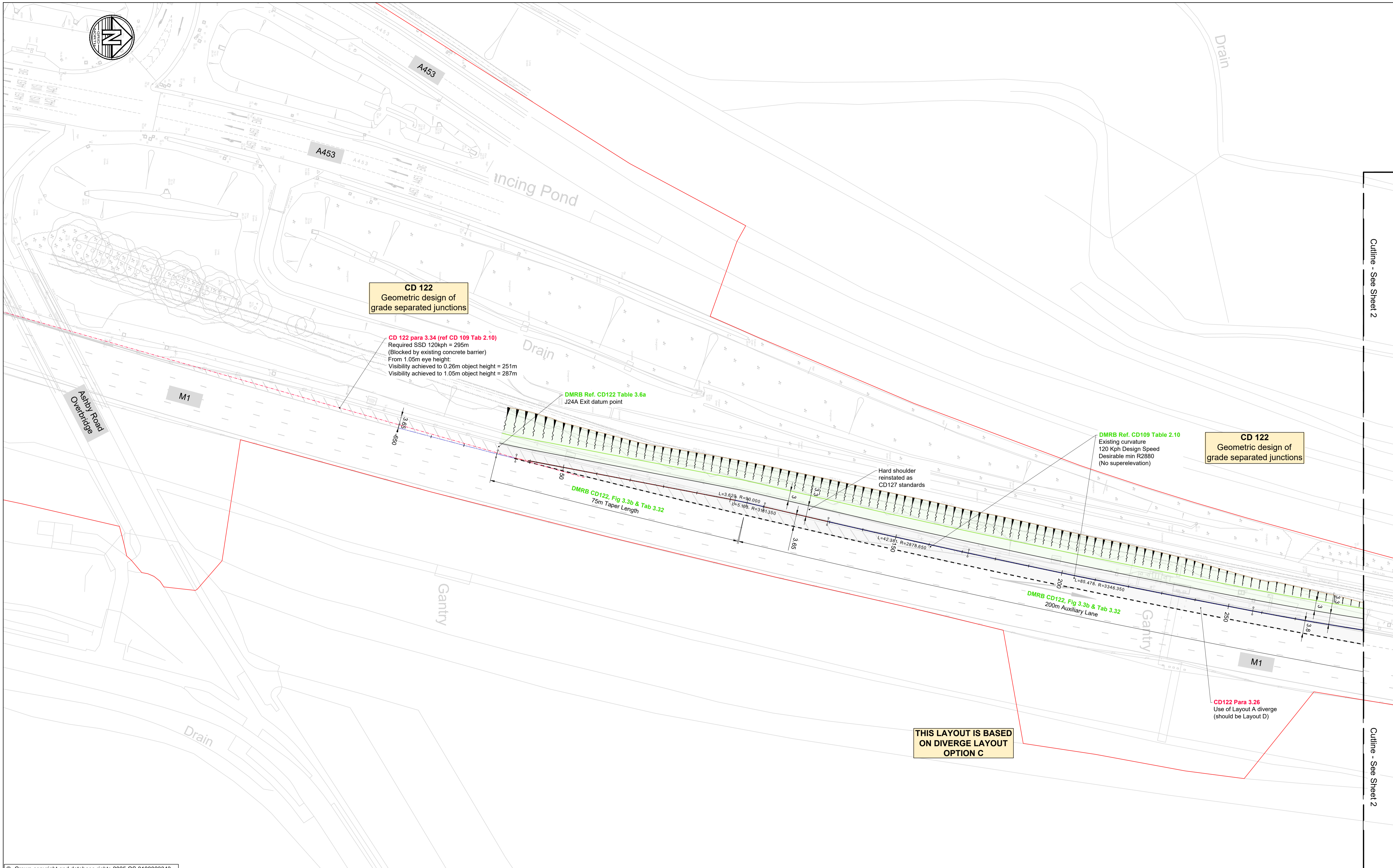
Drawn: D.Fraser Reviewed: S.Hilditch
 BWB Ref: 220500 Date: 17.03.26 Scale@A1: 1:500

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

DMRB CD122, Fig 3.3b & Tab 3.32
200m Auxiliary Lane

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

© Crown copyright and database rights 2025 OS 0100023343

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.
- 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	04.07.25	Issue for information	MS	SRH
P02	18.11.25	Departure notes updated	SRH	SRH
P03	17.03.26	Verge widths increased	DF	SRH

BWB
A CAF GROUP COMPANY

Birmingham | 0121 233 3322
 Leeds | 0113 233 8000
 London | 020 7234 9122
 Manchester | 0161 233 4260
 Nottingham | 0115 924 1100
www.bwbconsulting.com

Client

SEGRO

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

Project Title

East Midlands Gateway 2

Drawing Status

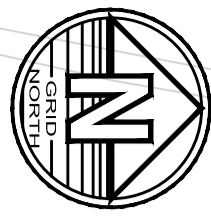
FOR INFORMATION

Drawing Title

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

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

EMG2-BWB-HGN-M1NBS-DR-H-0101 | S2 | 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
 $85^{\circ}/46.7^{\circ} \cdot 0.6^{\circ}/723.3 = 30.302\text{m}$
 $85^{\circ}/46.7^{\circ} \cdot 0.3^{\circ}/723.3 = 60.604\text{m}$
 $\sqrt{(24R)} = 131.754\text{m}$

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
 $85^{\circ}/46.7^{\circ} \cdot 0.6^{\circ}/723.3 = 30.302\text{m}$
 $85^{\circ}/46.7^{\circ} \cdot 0.3^{\circ}/723.3 = 60.604\text{m}$
 $\sqrt{(24R)} = 131.754\text{m}$

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)

M1

© Crown copyright and database rights 2025 OS 0100023343

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.
- 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	04.07.25	Issue for information	MS	SRH
P02	18.11.25	Departure notes updated	SRH	SRH
P03	17.03.26	Verge widths increased	DF	SRH

BWB
A CAF GROUP COMPANY

Birmingham | 0121 233 3322
 Leeds | 0113 233 8000
 London | 020 7234 9122
 Manchester | 0161 233 4260
 Nottingham | 0115 924 1100
 www.bwbconsulting.com

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 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

© Copyright BWB Consulting Ltd



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

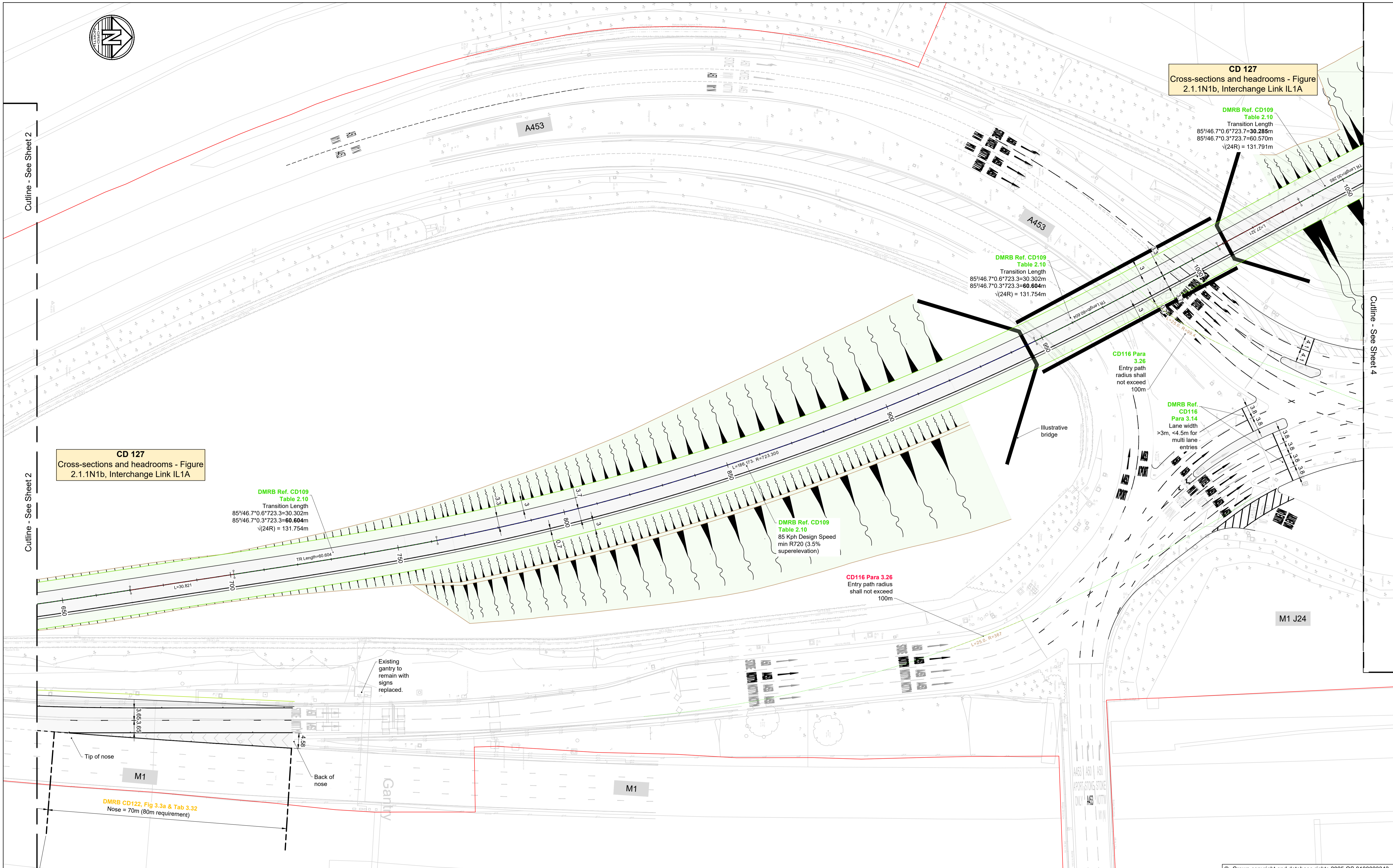
CD 127
Cross-sections and headrooms - Figure 2.1.1N1b, Interchange Link IL1A

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



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.
- 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

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

Tip of nose

Back of nose

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

BWB
A CAF GROUP COMPANY

Birmingham | 0121 233 3322
 Leeds | 0113 233 8000
 London | 020 7234 9122
 Manchester | 0161 233 4260
 Nottingham | 0115 924 1100
www.bwbconsulting.com

Client

SEGRO

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

Project Title

East Midlands Gateway 2

Drawing Status

FOR INFORMATION

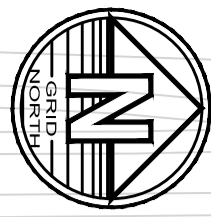
Drawing Title

**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

© Crown copyright and database rights 2026 OS 0100023343

- 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.
 - 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	04.07.25	Issue for information	MS	SRH
P02	03.12.25	Departure notes updated	SRH	SRH
P03	17.03.26	Verge widths increased	DF	SRH

BWB
A CAF GROUP COMPANY

Birmingham | 0121 233 3322
 Leeds | 0113 233 8000
 London | 020 7234 9122
 Manchester | 0161 233 4260
 Nottingham | 0115 924 1100
www.bwbconsulting.com

Client

SEGRO

Drawn: M.S. Reviewed: S.H.
 B/WB Ref: 220500 Date: 08.01.25 Scale@A1: 1:500

Project Title

East Midlands Gateway 2

Drawing Status

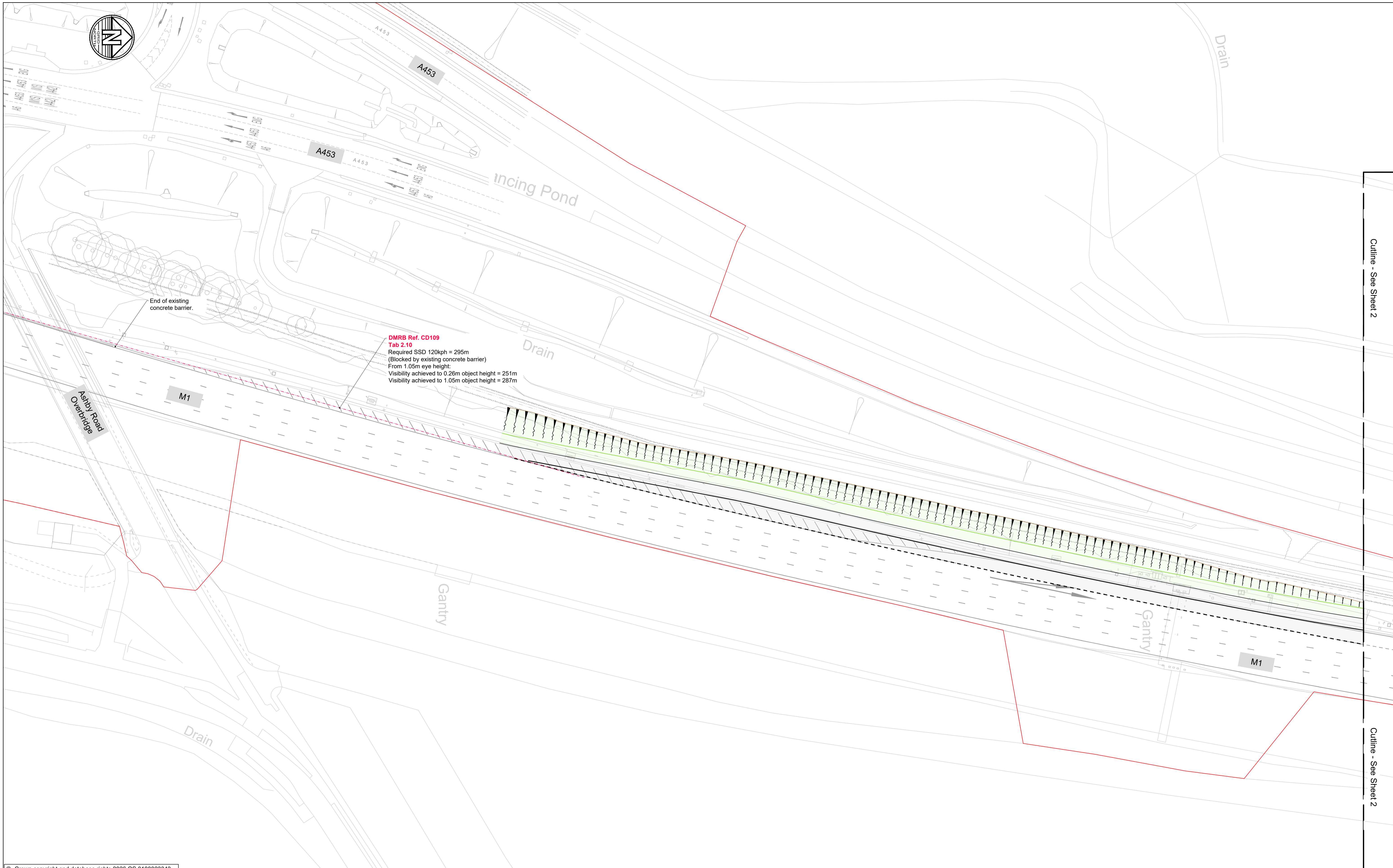
FOR INFORMATION

Drawing Title

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

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

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



Outline - See Sheet 2

Outline - See Sheet 2

© Crown copyright and database rights 2026 OS 0100023343

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.

Legend

	120kph vehicle	1.05m
	100kph vehicle	1.05m
	80kph vehicle	1.05m
	60kph vehicle	1.05m
	40kph vehicle	1.05m
	20kph vehicle	1.05m
	10kph vehicle	1.05m
	5kph vehicle	1.05m
	2kph vehicle	1.05m
	1kph vehicle	1.05m

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

BWB
A CAF GROUP COMPANY

Birmingham | 0121 233 3322
 Leeds | 0113 233 8000
 London | 020 7234 9122
 Manchester | 0161 233 4260
 Nottingham | 0115 924 1100
www.bwbconsulting.com

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

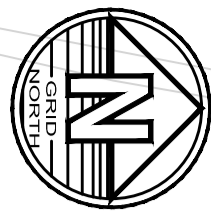
Drawing Title

M1 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

© Crown copyright and database rights 2026 OS 0100023343

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.

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

BWB
A CAF GROUP COMPANY

Birmingham | 0121 233 3322
 Leeds | 0113 233 8000
 London | 020 7234 9122
 Manchester | 0161 233 4260
 Nottingham | 0115 924 1100
www.bwbconsulting.com

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

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

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

