



# Gatwick Airport Northern Runway Project

Surface Access Highways Plans – Engineering Section Drawings – For Approval

**Book 4**

VERSION: 3.0

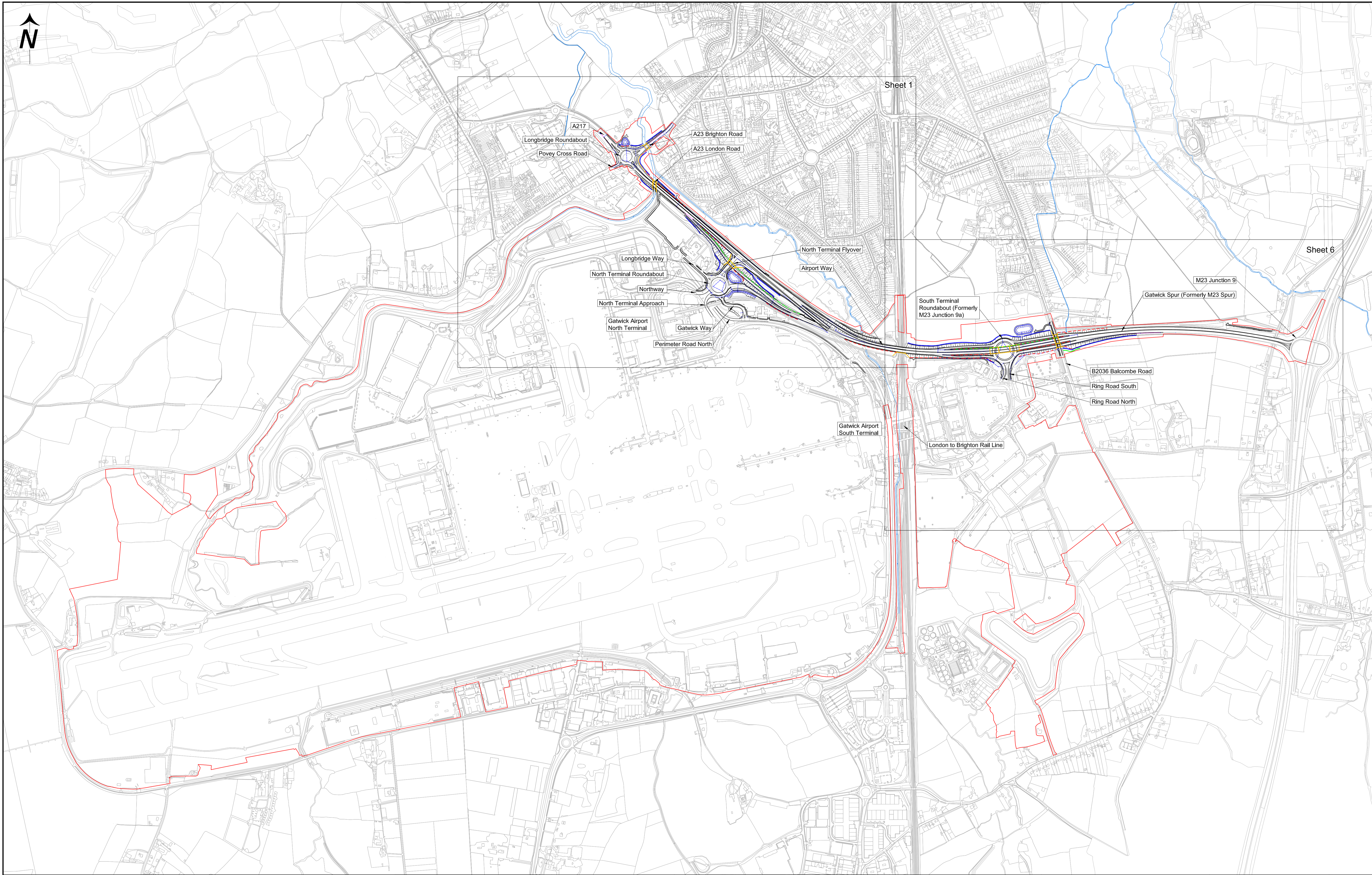
DATE: AUGUST 2024

Application Document Ref: 4.8.2

PINS Reference Number: TR020005

## Surface Access Highways Plans – Engineering Section Drawings – For Approval

Drawing Number	Revision	Drawing Title	Size	Sheet Size
41700-XX-B-LLO-GA-200161	P02	Surface Access Highways Plans – Engineering Section Drawings – APFP Regulations 6(2) – Key Plan	1:7500	A1
41700-XX-B-LLO-GA-200162	P02	Surface Access Highways Plans – Engineering Section Drawings – APFP Regulations 6(2) – Sheet 1 – Longbridge and North Terminal Plan	1:2500	A1
41700-XX-B-LLO-GA-200163	P01	Surface Access Highways Plans – Engineering Section Drawings – APFP Regulations 6(2) – Sheet 2 – Longbridge Sections	1:2500 / 1:500	A1
41700-XX-B-LLO-GA-200164	P01	Surface Access Highways Plans – Engineering Section Drawings – APFP Regulations 6(2) – Sheet 3 – North Terminal Sections	1:2500 / 1:500	A1
41700-XX-B-LLO-GA-200165	P01	Surface Access Highways Plans – Engineering Section Drawings – APFP Regulations 6(2) – Sheet 4 – North Terminal Sections	1:2500 / 1:500	A1
41700-XX-B-LLO-GA-200166	P01	Surface Access Highways Plans – Engineering Section Drawings – APFP Regulations 6(2) – Sheet 5 – North Terminal Sections	1:2500 / 1:500	A1
41700-XX-B-LLO-GA-200167	P01	Surface Access Highways Plans – Engineering Section Drawings – APFP Regulations 6(2) – Sheet 6 – South Terminal and Spur Plan	1:2500	A1
41700-XX-B-LLO-GA-200168	P02	Surface Access Highways Plans – Engineering Section Drawings – APFP Regulations 6(2) – Sheet 7 – South Terminal Sections	1:2500 / 1:500	A1
41700-XX-B-LLO-GA-200169	P01	Surface Access Highways Plans – Engineering Section Drawings – APFP Regulations 6(2) – Sheet 8 – South Terminal Sections	1:2500 / 1:500	A1



- Notes:**
- 1) This drawing shall be read in conjunction with the draft Development Consent Order (DCO) and accompanying application documentation.
  - 2) All dimensions, chainage and levels are in meters unless otherwise stated.
  - 3) Only written dimensions shall be used.

**Legend:**

Order Limits	Highways Ditch	Attenuation Basin
Bridge Structure	Existing Ordinary Watercourse	Attenuation Pond
Retaining Wall	Culvert	Attenuation Oversized Pipe
Noise Barrier	Existing Culvert	Main River
CH Road Chainage	Carrier Pipe	
	Existing Carrier Pipe	

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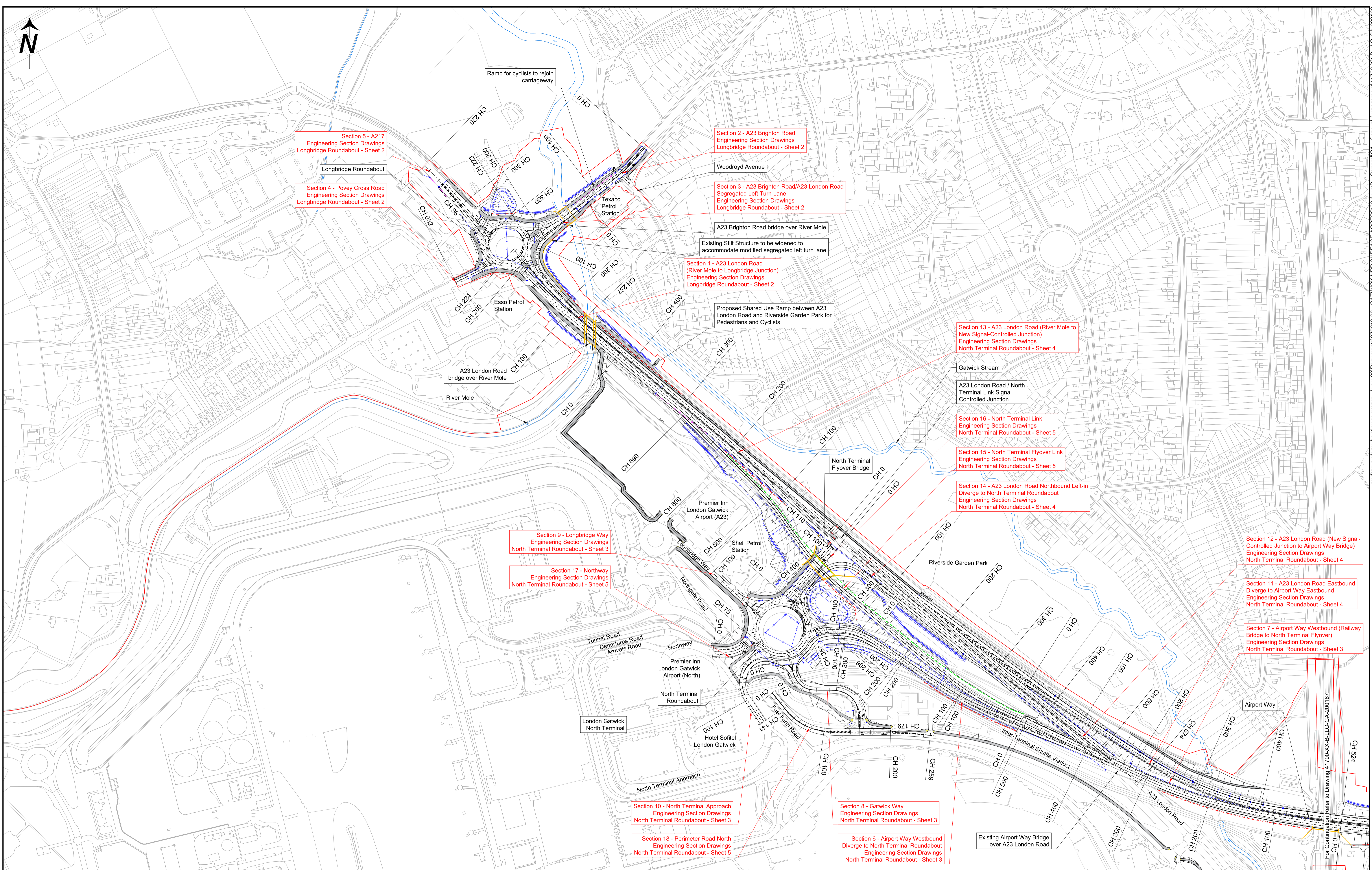
Rev	Date	Revision Description	Dm	Chk	App
P01	1 <sup>st</sup> July 2023	DCO Application	NW	JF	DA
P02	21 <sup>st</sup> Aug 2024	Deadline 9	EH	JF	DA



Project Name  
**Gatwick Airport Northern Runway Project**

Title  
**Surface Access Highways Plans  
Engineering Section Drawings  
APFP Regulations 6(2)  
Key Plan**

Scale 0 75 150 225 300 375 SCALE 1:7500m @ A1		For Approval Drawn Date 15/08/24 Status S4
Checked By JF	Checked Date 15/08/24	Drawn By EH
Approved By DA	Approval Date 15/08/24	Reason for Issue Deadline 9
Project Code-Location-Discipline-Volume-Type-Unique Number <b>41700- XX -B- LLO- GA - 200161</b>		Revision <b>P02</b>



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**Legend:**

	Order Limits		Highways Ditch		Attenuation Basin
	Bridge Structure		Existing Ordinary Watercourse		Attenuation Pond
	Culvert		Retaining Wall		Attenuation Oversized Pipe
	Noise Barrier		Existing Culvert		Main River
	Road Chainage		Carrier Pipe		
			Existing Carrier Pipe		

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Rev	Date	Revision Description	Dm	Chk	App
P01	1 <sup>st</sup> July 2023	DCO Application	NW	JF	DA
P02	21 <sup>st</sup> Aug 2024	Deadline 9	EH	JF	DA



**Project Name:** Gatwick Airport Northern Runway Project

**Title:** Surface Access Highways Plans  
Engineering Section Drawings  
APFP Regulations 6(2)  
Sheet 1 - Longbridge and North Terminal Plan

**Scale:** 1:2500m @ A1

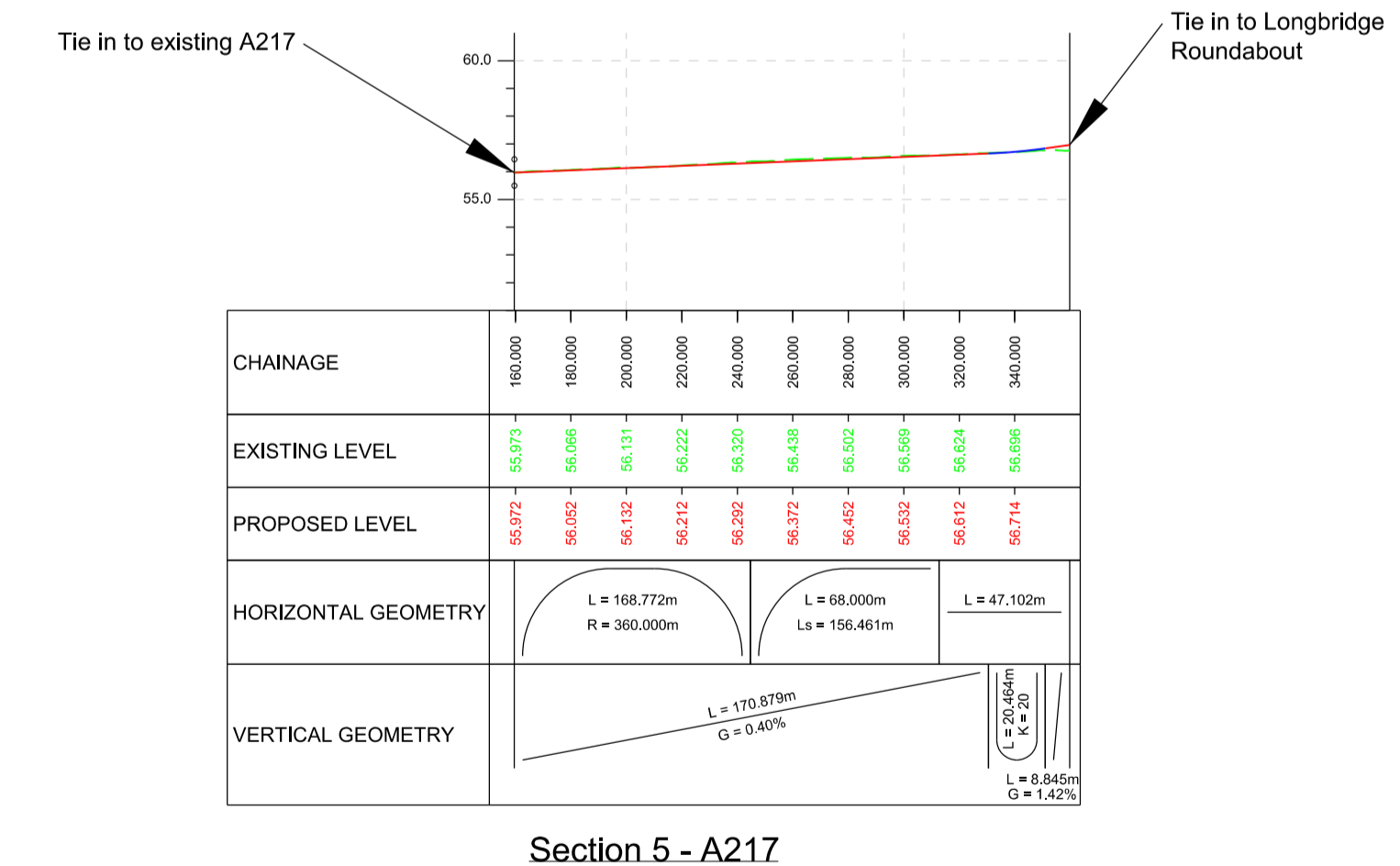
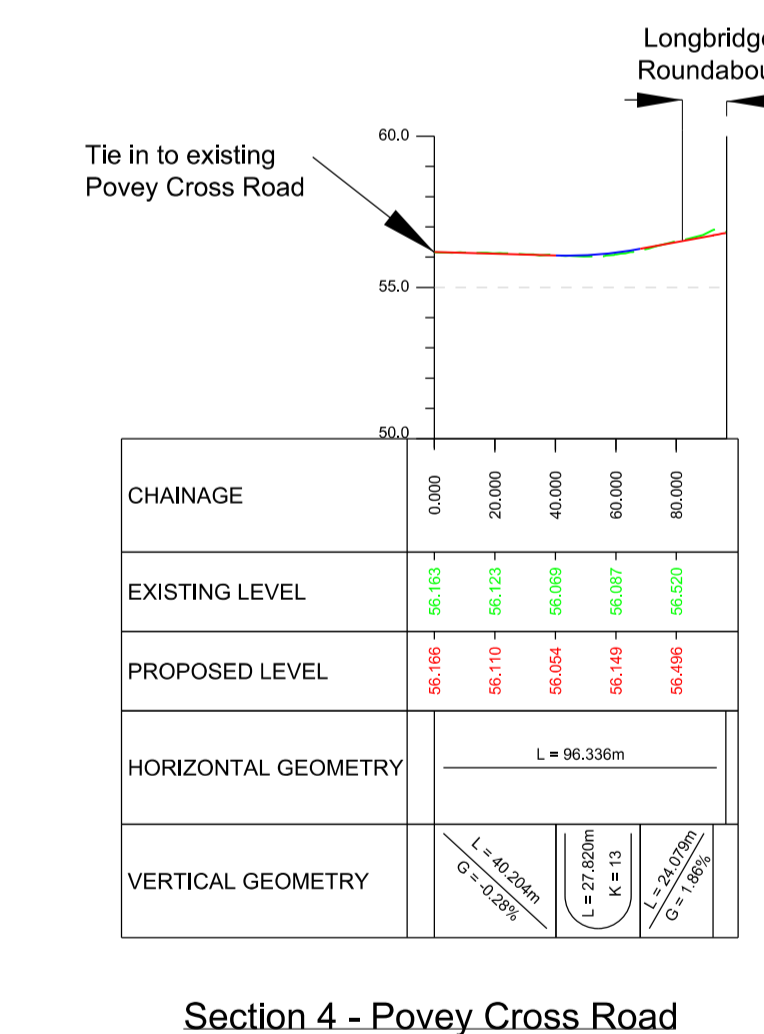
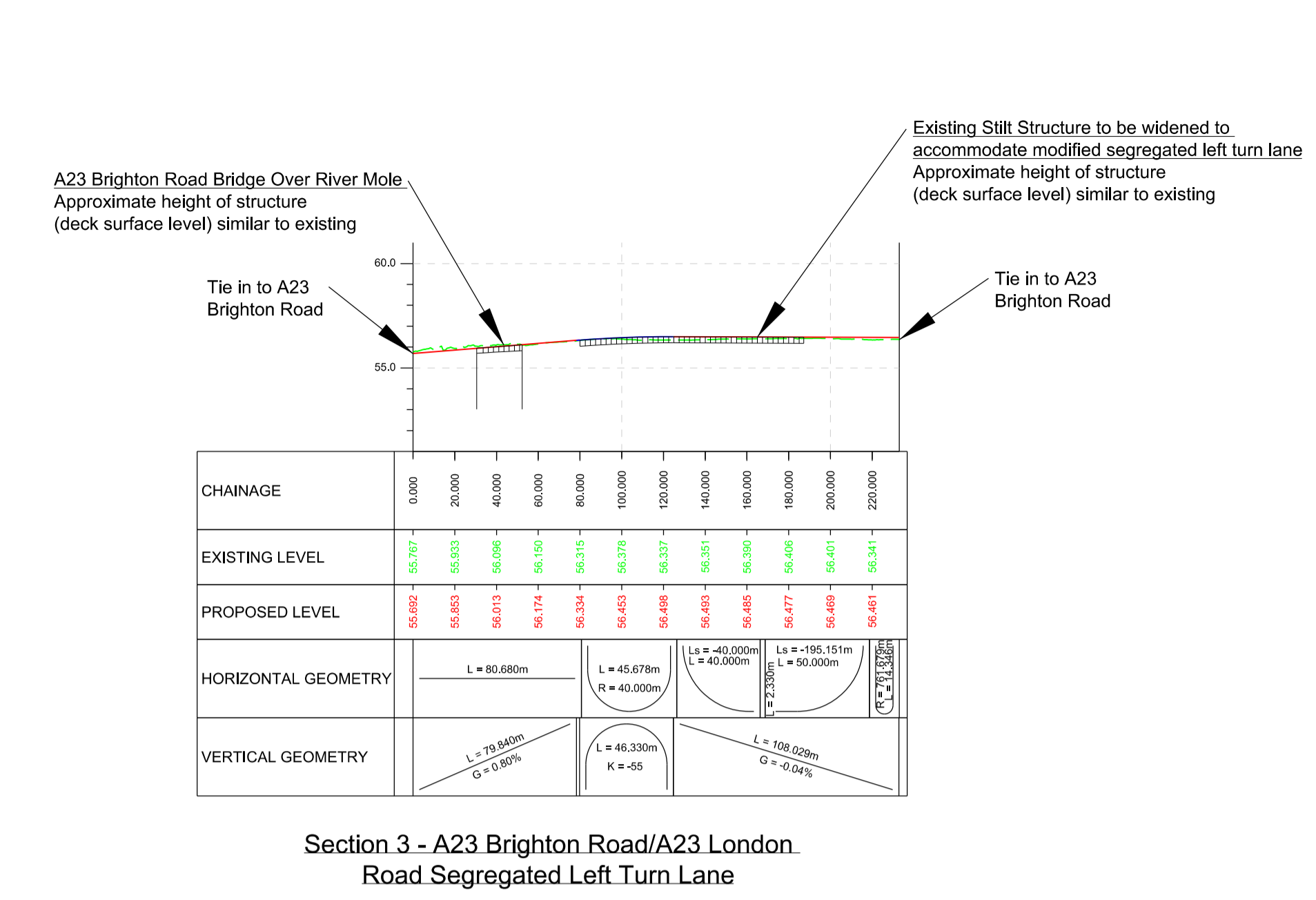
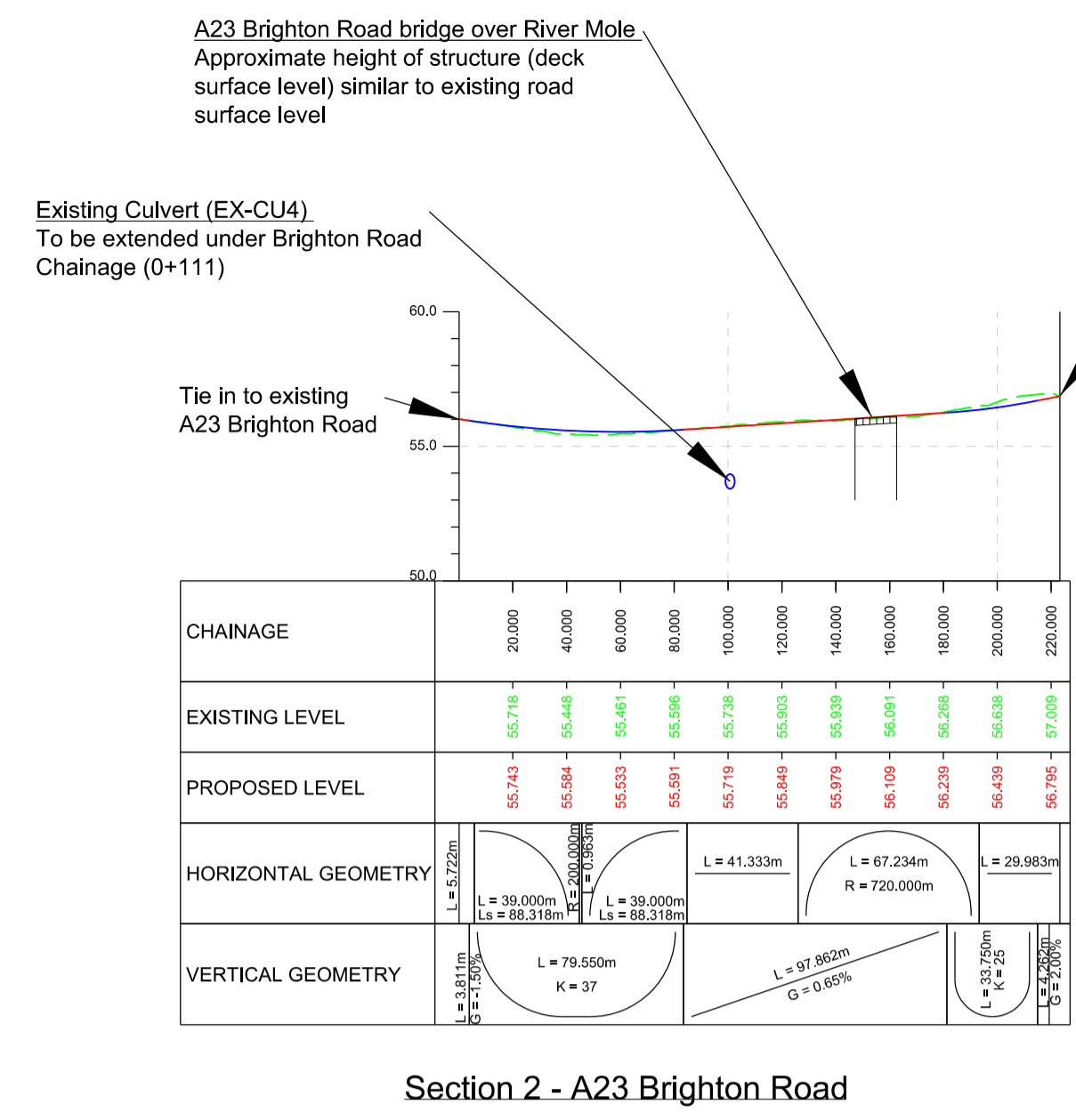
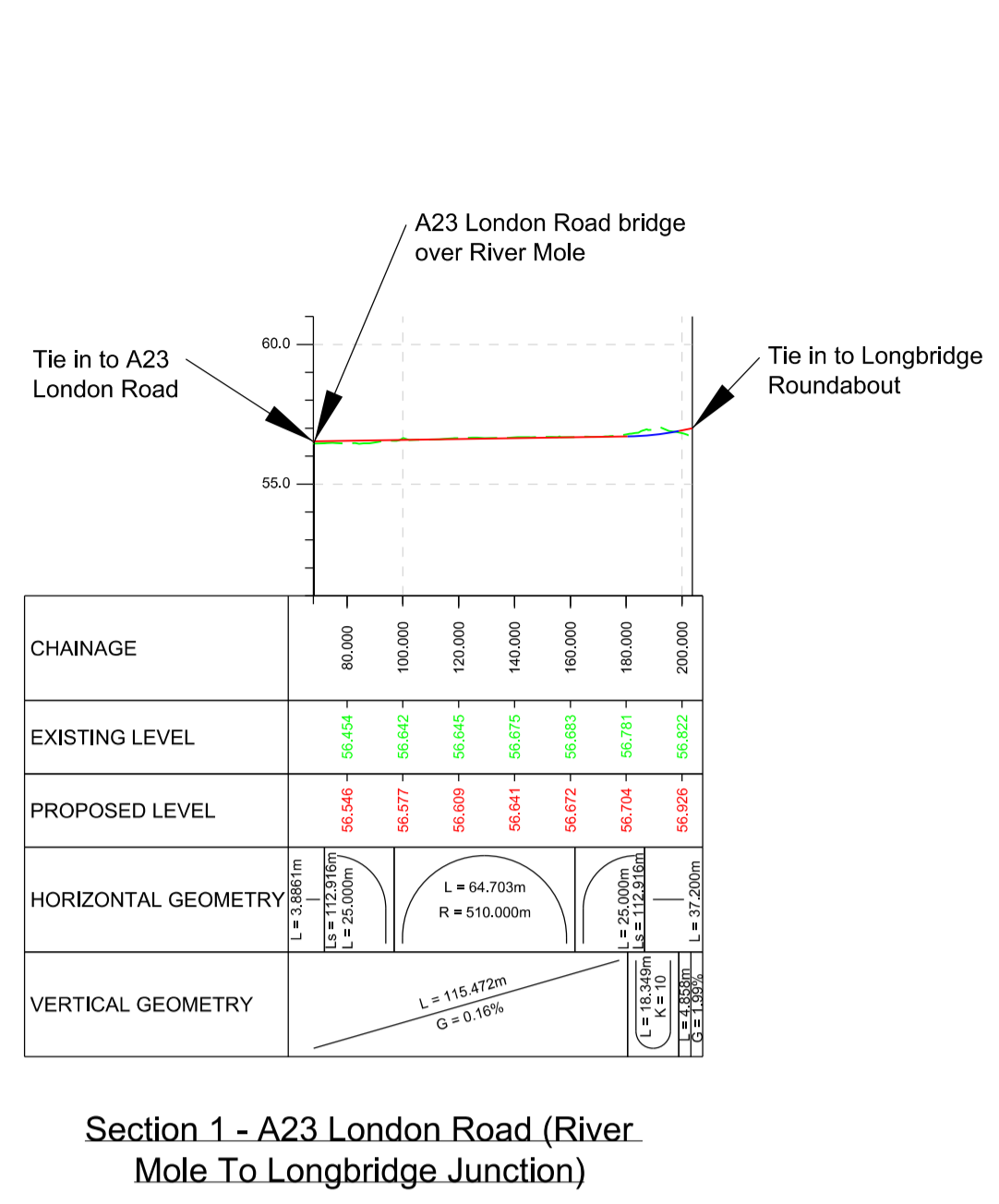
**For Approval:** 15/08/24

Checked By: JF	Checked Date: 15/08/24	Drawn By: EH	Status: S4
Approved By: DA	Approval Date: 15/08/24	Reason for Issue: Deadline 9	

Project Code-Location-Discipline-Volume-Type-Unique Number: 41700- XX -B- LLO- GA- 200162

Revision: P02

ISO A1 Landscape



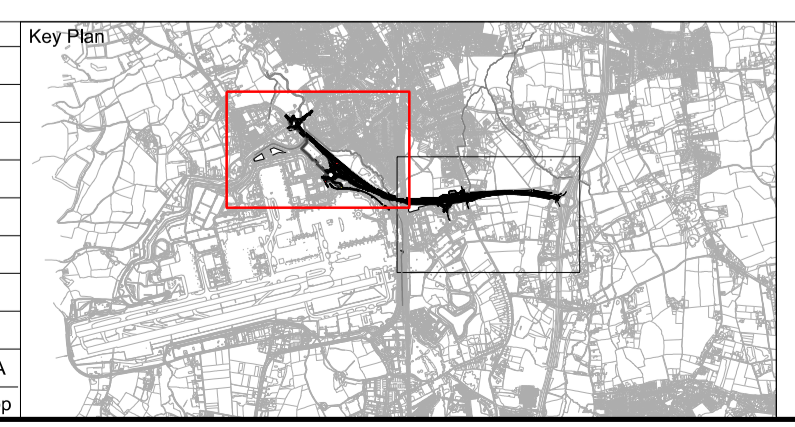
- Notes:**
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  - L = Length, G = Gradient

**Legend:**

	Existing Ground Level
	Highway Level
	Drainage Outfall Pipe
	Drainage Culvert
	Road Chainage

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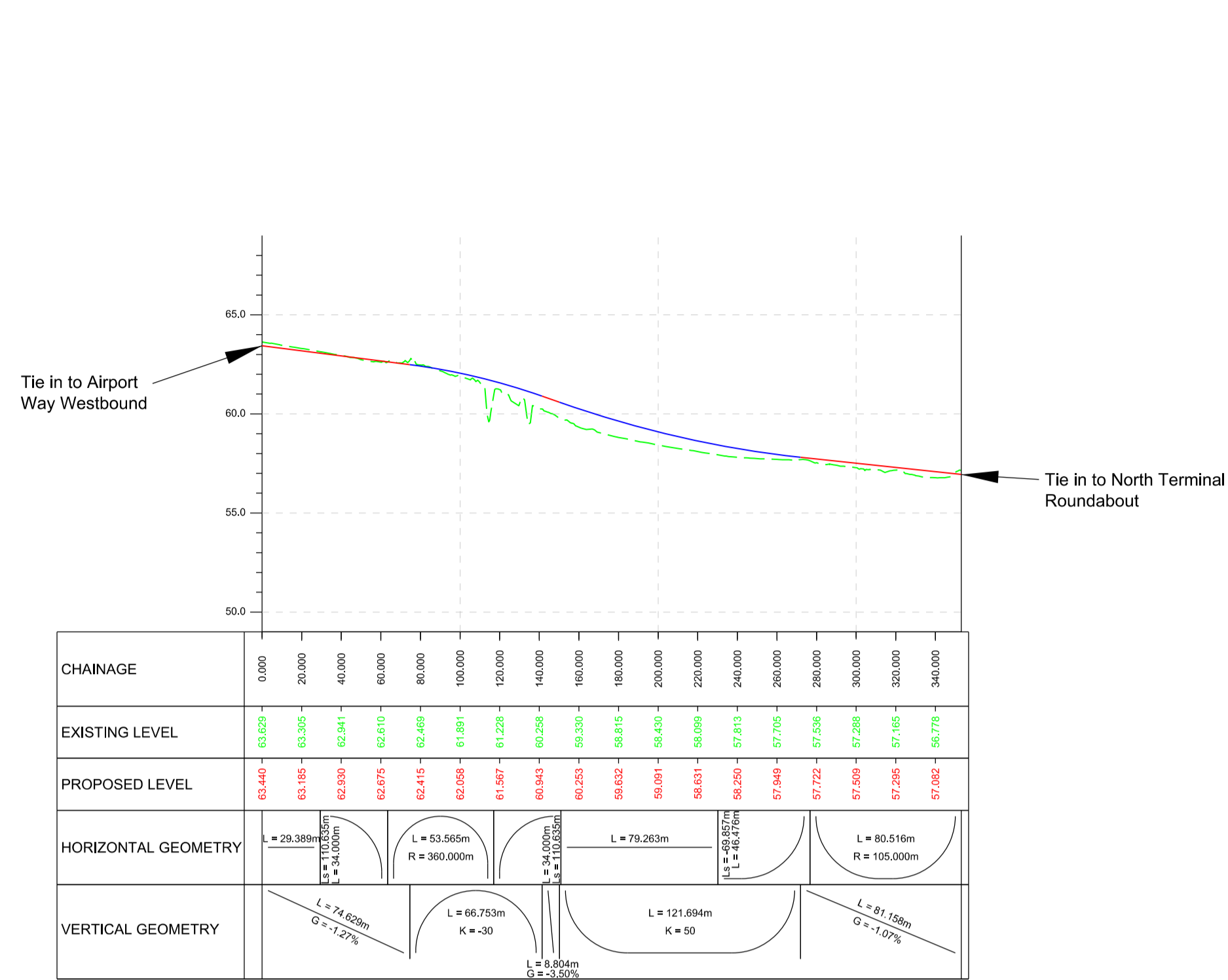
Rev	Date	Revision Description	Dm	Chk	App
P01	1 <sup>st</sup> July 2023	DCO Application	NW	JF	DA



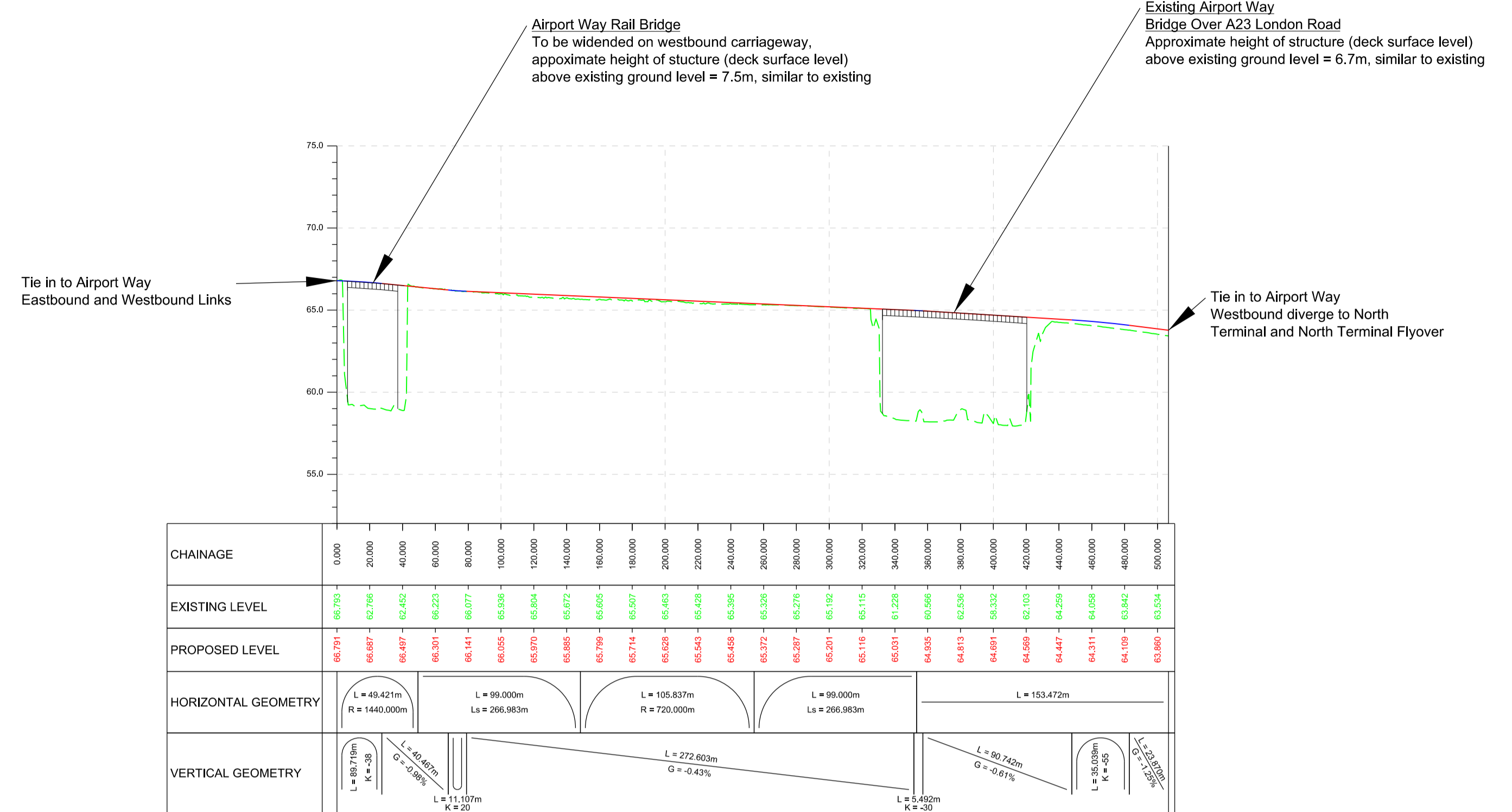
Project Name  
**Gatwick Airport Northern Runway Project**

Title  
**Surface Access Highways Plans  
Engineering Section Drawings  
APFP Regulations 6(2)  
Sheet 2 - Longbridge Sections**

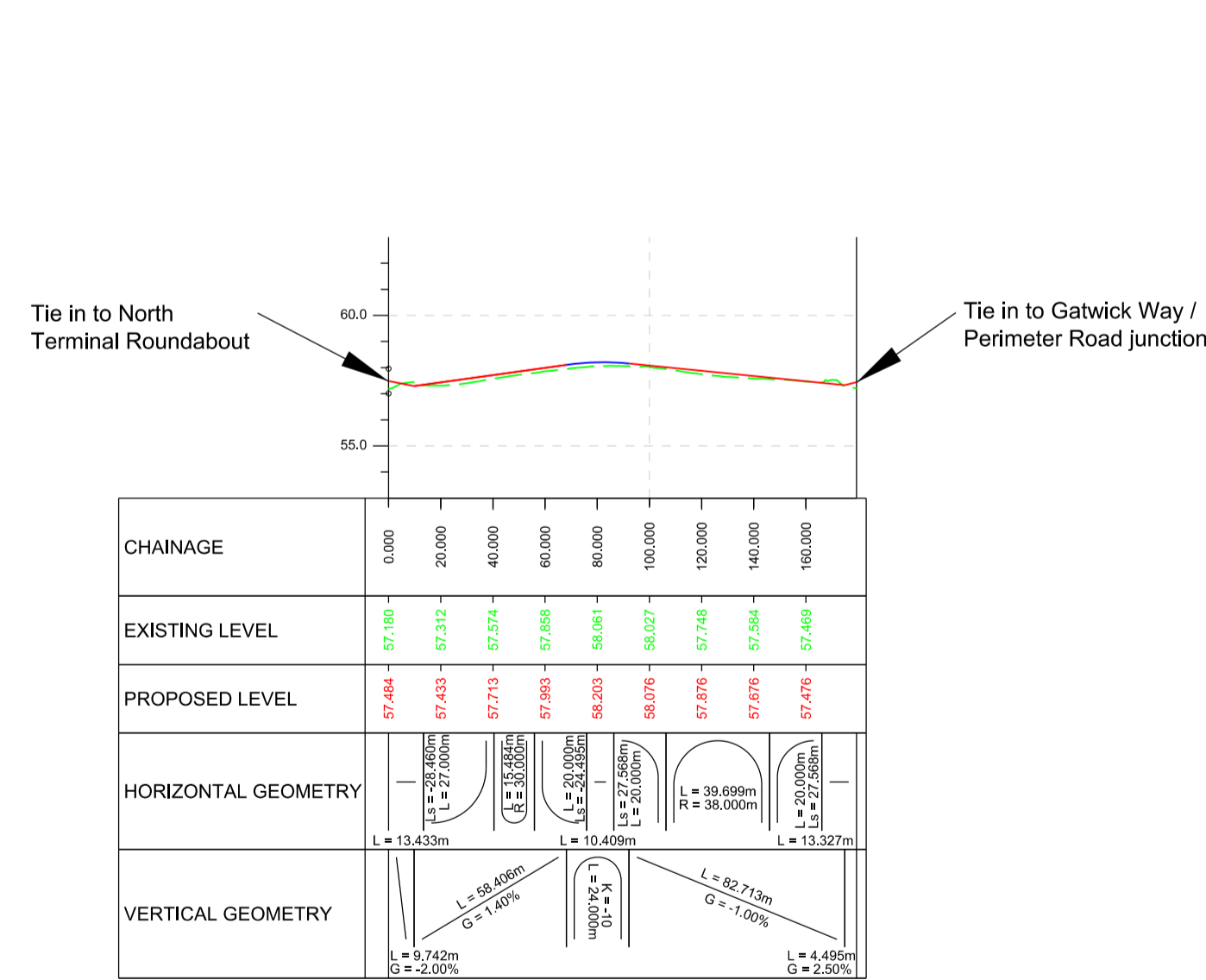
Checked By JF	Checked Date 31/05/23	Drawn By NW	Status S4
Approved By DA	Approval Date 31/05/23	Reason for Issue DCO Submission	
Project Code-Location-Discipline-Volume-Type-Unique Number <b>41700- XX -B- LLO- GA - 200163</b>			Revision <b>P01</b>



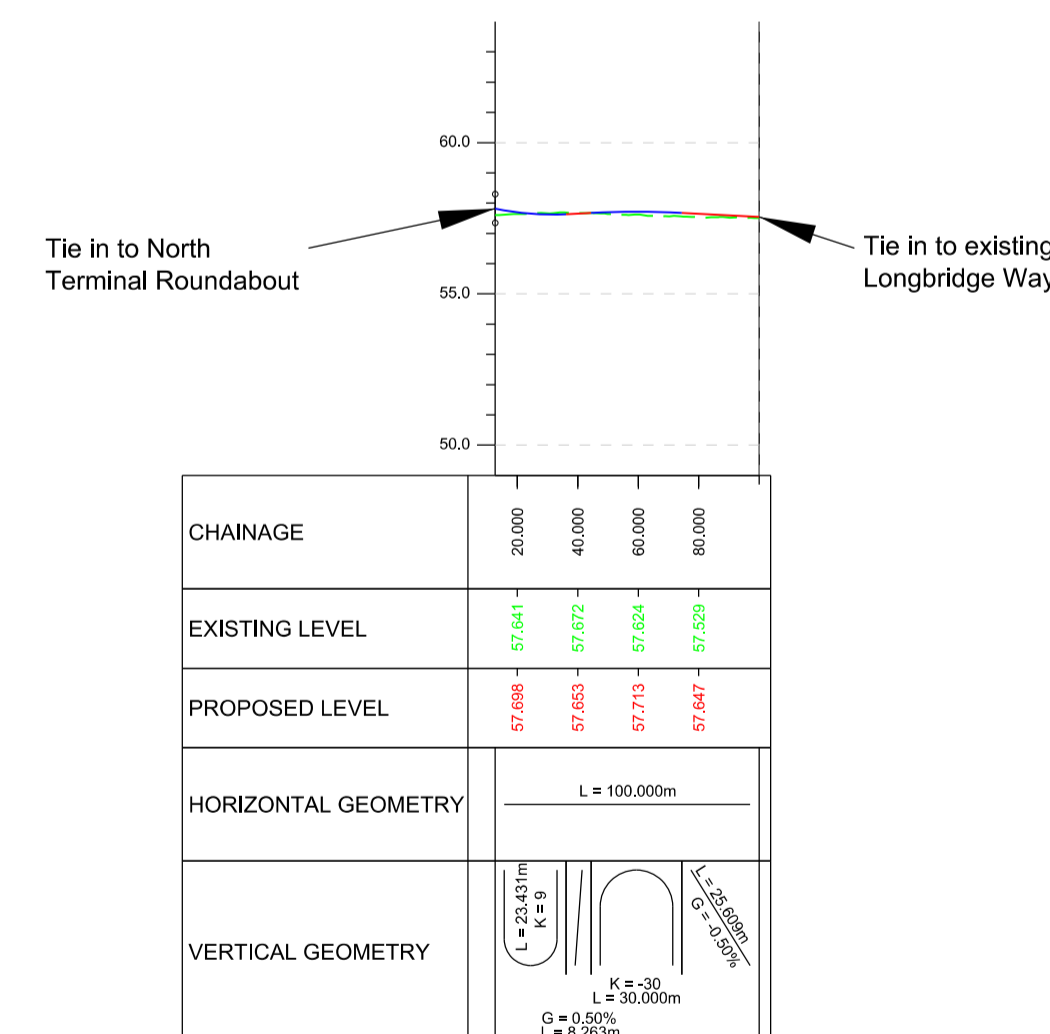
Section 6 - Airport Way Westbound Diverge To North Terminal Roundabout



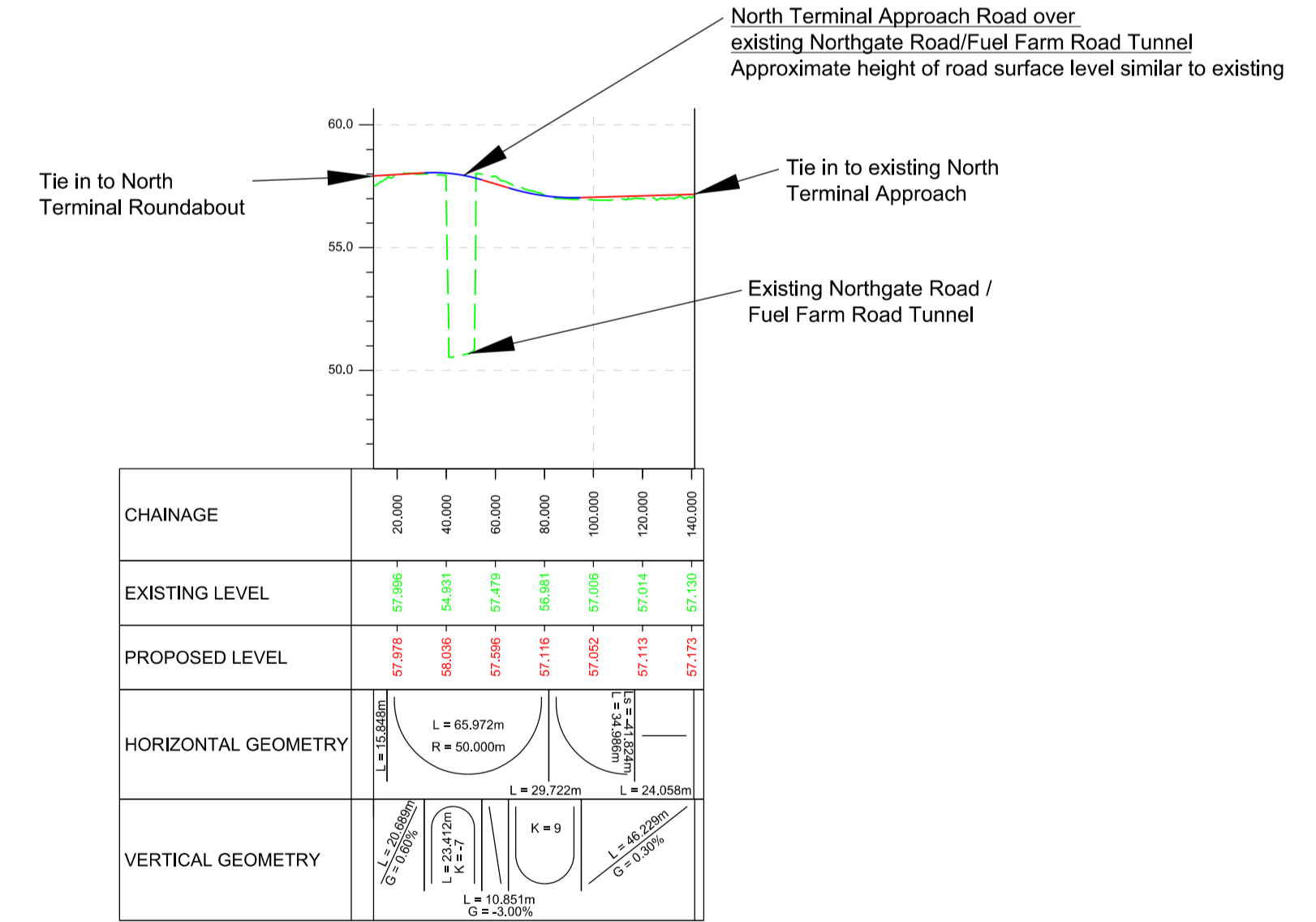
Section 7 - Airport Way Westbound (Railway Bridge To North Terminal Flyover)



Section 8 - Gatwick Way



Section 9 - Longbridge Way



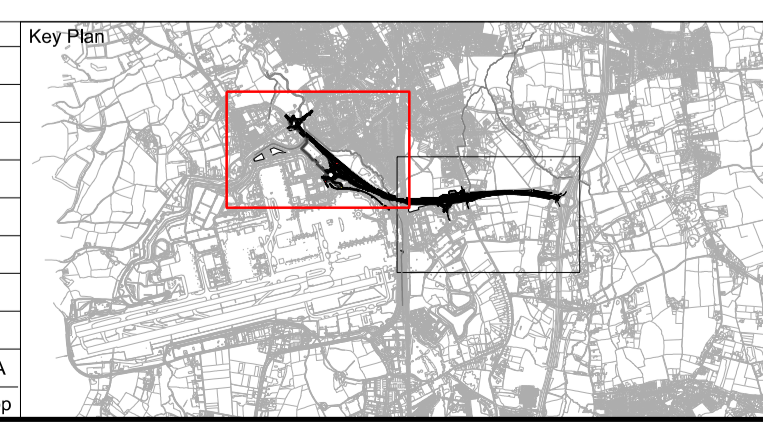
Section 10 - North Terminal Approach

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- Legend:
- Existing Ground Level
  - Highway Level
  - Drainage Outfall Pipe
  - Drainage Culvert
  - Road Chainage

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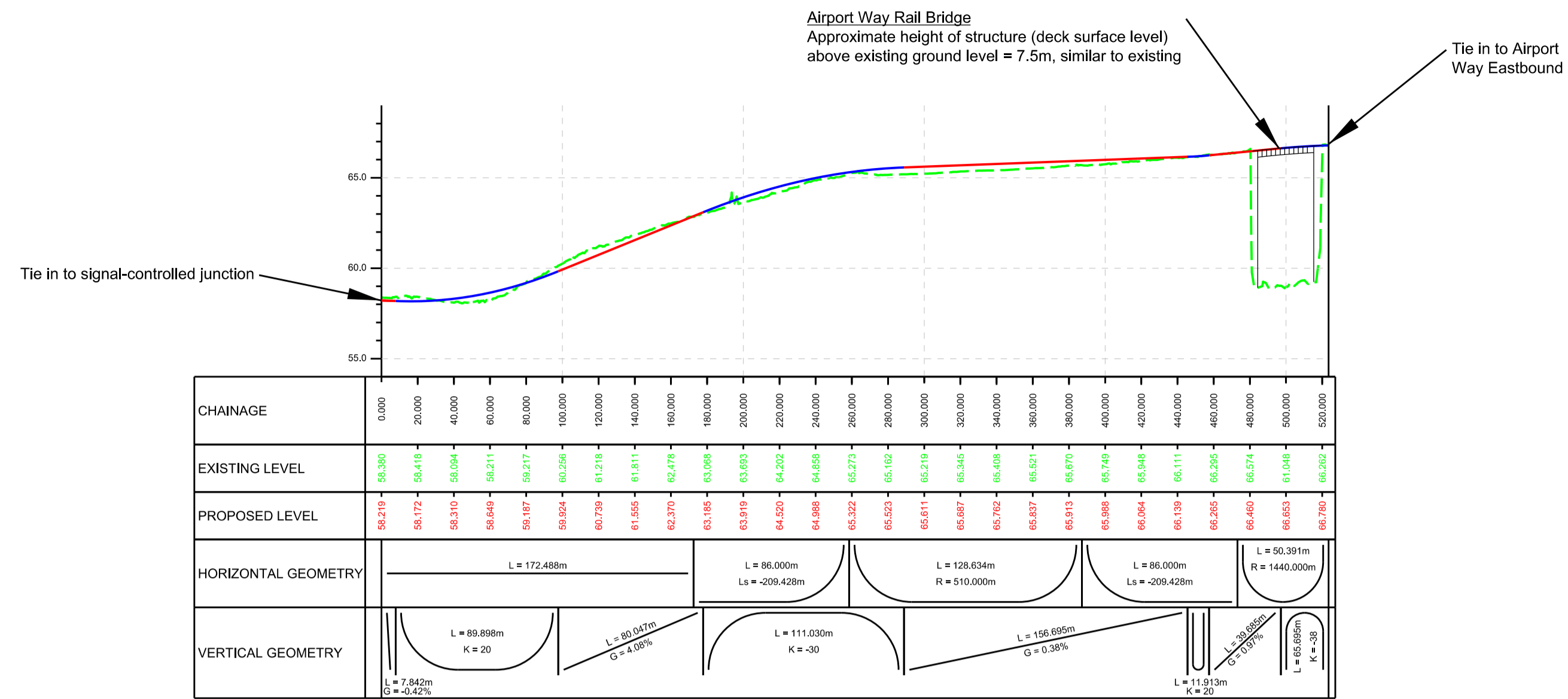
Rev	Date	Revision Description	Dm	Chk	App
P01	1 <sup>st</sup> July 2023	DCO Application	NW	JF	DA



Project Name  
**Gatwick Airport Northern Runway Project**

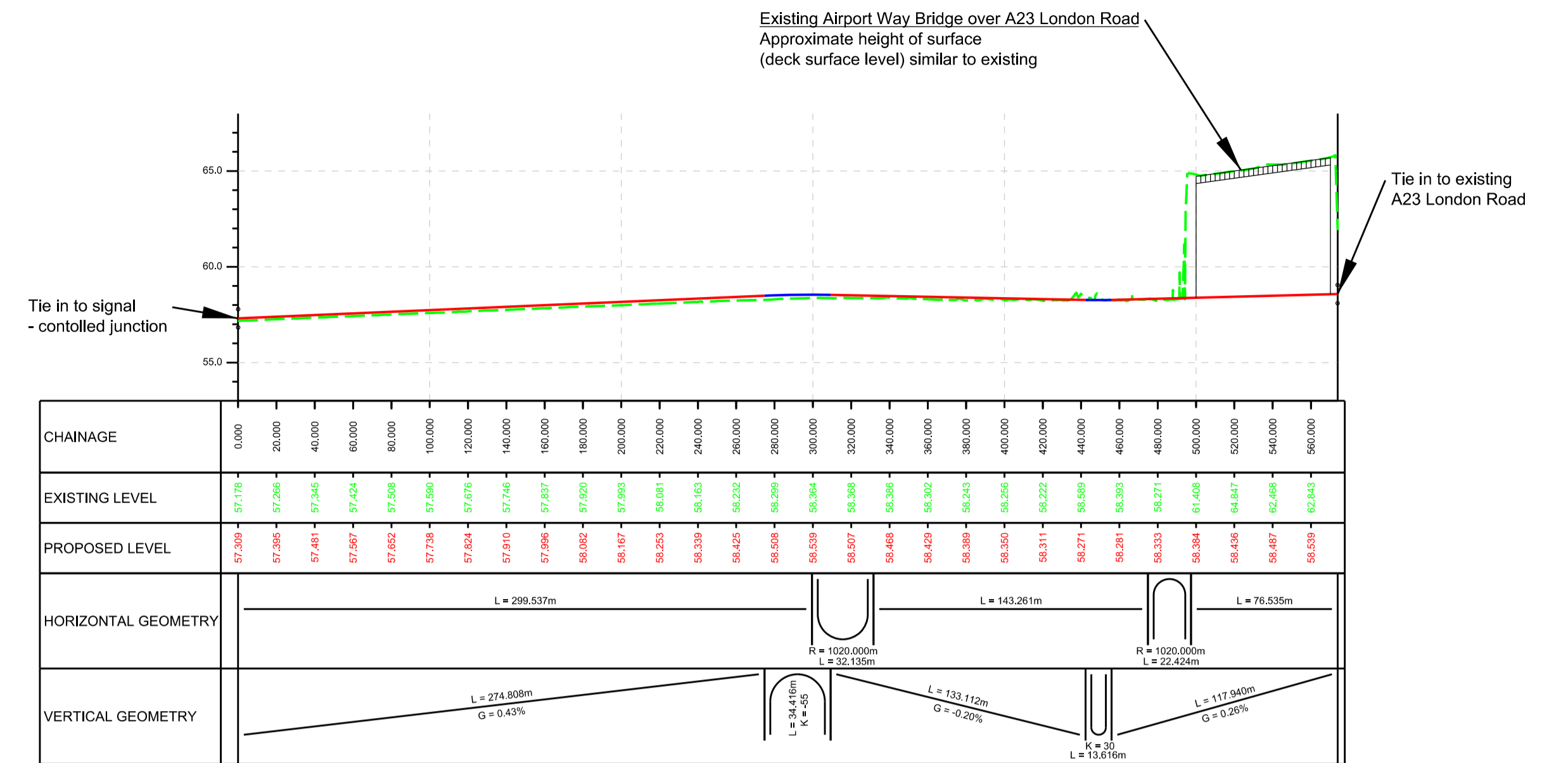
Title  
**Surface Access Highways Plans  
Engineering Section Drawings  
APFP Regulations 6(2)  
Sheet 3 - North Terminal Sections**

Checked By JF	Checked Date 31/05/23	Drawn By NW	Status S4
Approved By DA	Approval Date 31/05/23	Reason for Issue DCO Submission	
Project Code-Location-Discipline-Volume-Type-Unique Number <b>41700 - XX - B - LLO - GA - 200164</b>			Revision <b>P01</b>



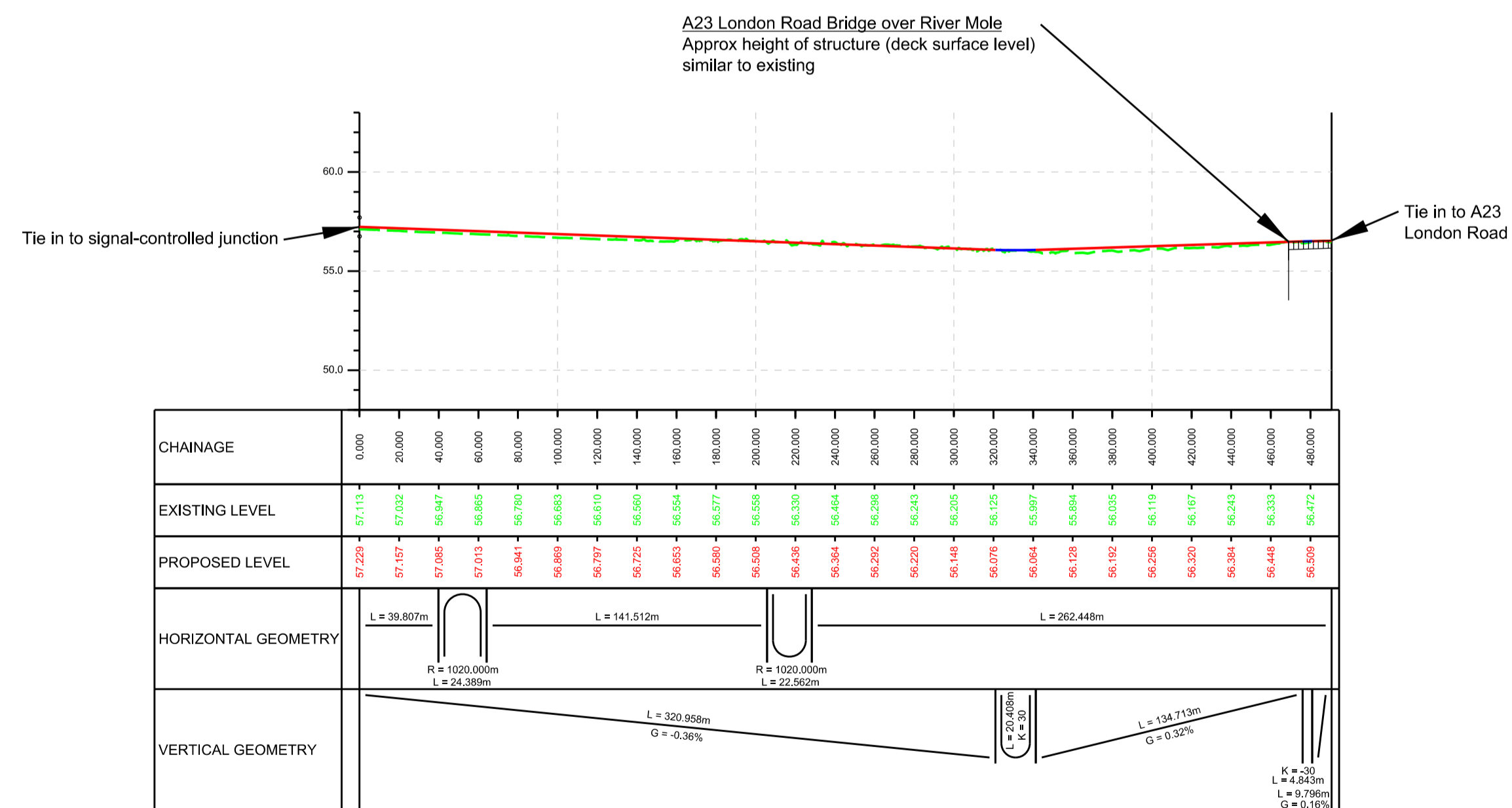
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EXISTING LEVEL	56.380	56.410	56.430	56.450	56.470	56.490	56.510	56.530	56.550	56.570	56.590	56.610	56.630	56.650	56.670	56.690	56.710	56.730	56.750	56.770	56.790	56.810	56.830	56.850	56.870	56.890	56.910	56.930
PROPOSED LEVEL	56.210	56.170	56.130	56.090	56.050	56.010	55.970	55.930	55.890	55.850	55.810	55.770	55.730	55.690	55.650	55.610	55.570	55.530	55.490	55.450	55.410	55.370	55.330	55.290	55.250	55.210	55.170	55.130
HORIZONTAL GEOMETRY	L = 172.488m				L = 86.000m Ls = -209.428m				L = 128.634m R = 510.000m				L = 86.000m R = -209.428m				L = 50.391m R = 1440.000m											
VERTICAL GEOMETRY	L = 7.842m G = -0.42%		L = 89.898m K = 20		L = 80.047m G = 1.08%		L = 111.030m K = -30		L = 156.695m G = 0.38%		L = 11.513m K = 20		L = 68.895m K = -30		L = 11.513m K = 20		L = 68.895m K = -30		L = 11.513m K = 20		L = 68.895m K = -30		L = 11.513m K = 20		L = 68.895m K = -30			

Section 11 - A23 London Road Eastbound  
Diverge To Airport Way Eastbound



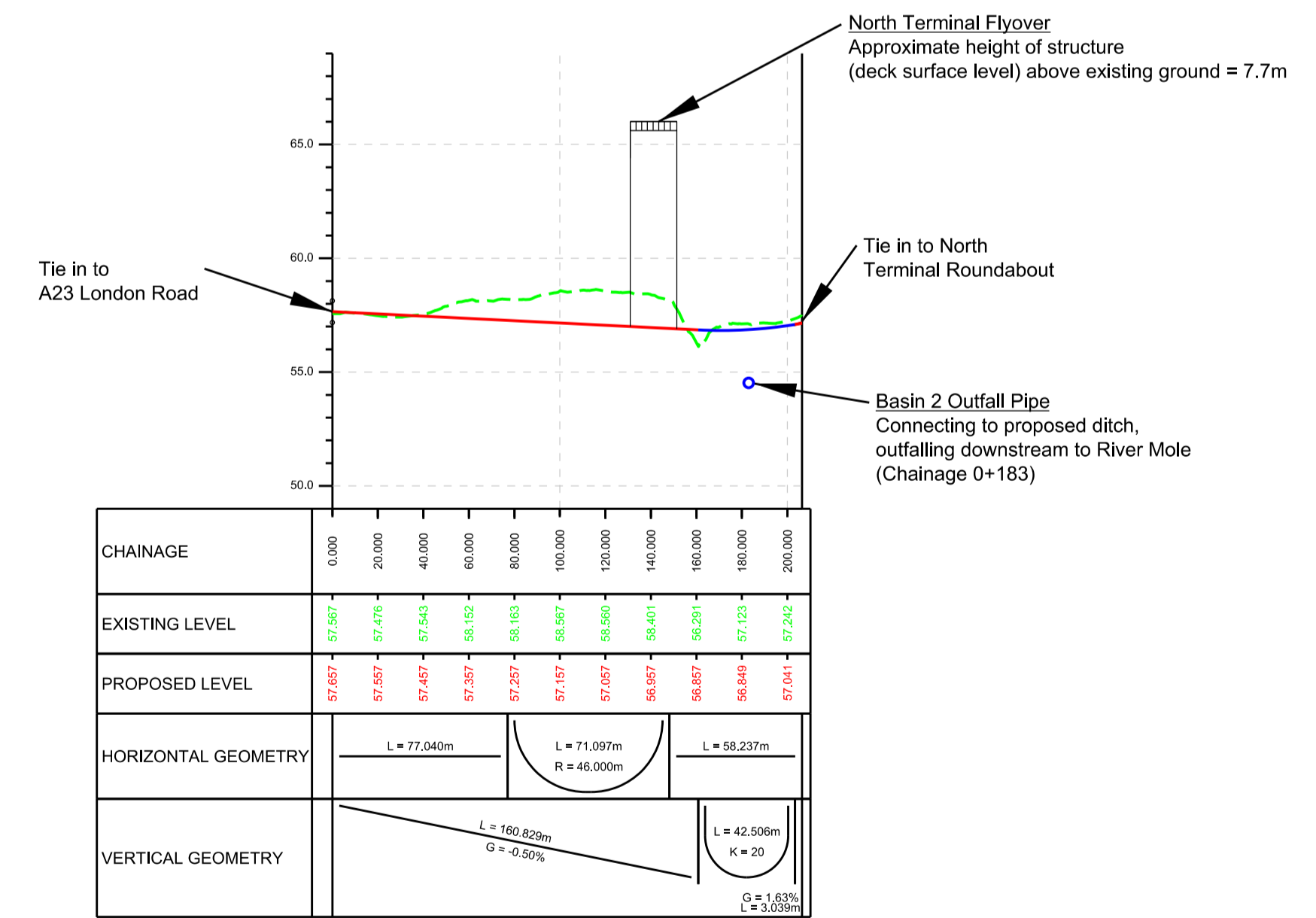
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EXISTING LEVEL	57.700	57.710	57.720	57.730	57.740	57.750	57.760	57.770	57.780	57.790	57.800	57.810	57.820	57.830	57.840	57.850	57.860	57.870	57.880	57.890	57.900	57.910	57.920	57.930	57.940	57.950	57.960	57.970	57.980	57.990
PROPOSED LEVEL	57.200	57.190	57.180	57.170	57.160	57.150	57.140	57.130	57.120	57.110	57.100	57.090	57.080	57.070	57.060	57.050	57.040	57.030	57.020	57.010	57.000	56.990	56.980	56.970	56.960	56.950	56.940	56.930	56.920	56.910
HORIZONTAL GEOMETRY	L = 299.537m				L = 143.261m				L = 76.535m				L = 143.261m				L = 76.535m													
VERTICAL GEOMETRY	L = 274.908m G = 0.43%		L = 34.410m R = -55		L = 133.112m G = -0.26%		L = 117.940m G = 0.26%		L = 1020.000m R = 32.135m		L = 1020.000m R = 32.135m		L = 133.112m G = -0.26%		L = 117.940m G = 0.26%		L = 1020.000m R = 32.135m		L = 1020.000m R = 32.135m		L = 133.112m G = -0.26%		L = 117.940m G = 0.26%		L = 1020.000m R = 32.135m		L = 1020.000m R = 32.135m			

Section 12 - A23 London Road (New Signal-Controlled Junction To Airport Way Bridge)



CHAINAGE	0+000	20+000	40+000	60+000	80+000	100+000	120+000	140+000	160+000	180+000	200+000	220+000	240+000	260+000	280+000	300+000	320+000	340+000	360+000	380+000	400+000	420+000	440+000	460+000	
EXISTING LEVEL	57.110	57.120	57.130	57.140	57.150	57.160	57.170	57.180	57.190	57.200	57.210	57.220	57.230	57.240	57.250	57.260	57.270	57.280	57.290	57.300	57.310	57.320	57.330	57.340	57.350
PROPOSED LEVEL	57.220	57.180	57.140	57.100	57.060	57.020	56.980	56.940	56.900	56.860	56.820	56.780	56.740	56.700	56.660	56.620	56.580	56.540	56.500	56.460	56.420	56.380	56.340	56.300	56.260
HORIZONTAL GEOMETRY	L = 39.807m				L = 141.512m				L = 262.446m				L = 262.446m												
VERTICAL GEOMETRY	L = 1020.000m R = 24.389m		L = 320.959m G = -0.36%		L = 1020.000m R = 24.389m		L = 23.565m K = 20		L = 134.713m G = 0.32%		L = 42.506m K = 20		L = 2.845m L = 0.798m G = 0.16%		L = 42.506m K = 20		L = 134.713m G = 0.32%		L = 134.713m G = 0.32%		L = 42.506m K = 20		L = 2.845m L = 0.798m G = 0.16%		

Section 13 - A23 London Road (River Mole To New Signal-Controlled Junction)



CHAINAGE	0+000	20+000	40+000	60+000	80+000	100+000	120+000	140+000	160+000	180+000	200+000	
EXISTING LEVEL	57.560	57.570	57.580	57.590	57.600	57.610	57.620	57.630	57.640	57.650	57.660	
PROPOSED LEVEL	57.050	57.040	57.030	57.020	57.010	57.000	56.990	56.980	56.970	56.960	56.950	
HORIZONTAL GEOMETRY	L = 77.040m				L = 71.097m R = 46.000m				L = 58.237m			
VERTICAL GEOMETRY	L = 160.820m G = -0.50%		L = 71.097m R = 46.000m		L = 58.237m		L = 42.506m K = 20		L = 160.820m G = -0.50%		L = 42.506m K = 20	

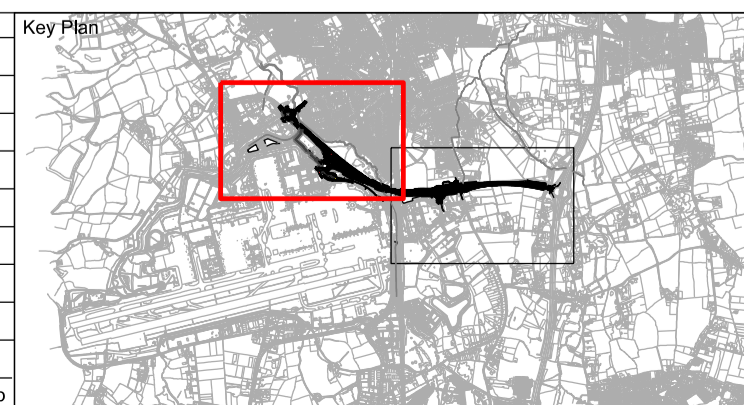
Section 14 - A23 London Road Northbound Left-in Diverge To North Terminal Roundabout

- Notes:
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- Legend:
- Existing Ground Level
  - Highway Level
  - Drainage Outfall Pipe
  - Drainage Culvert
  - Ch Road Chainage

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Rev	Date	Revision Description	NW	JF	DA
P01	1 <sup>st</sup> July 2023	DCO Application			
			Dm	Chk	App



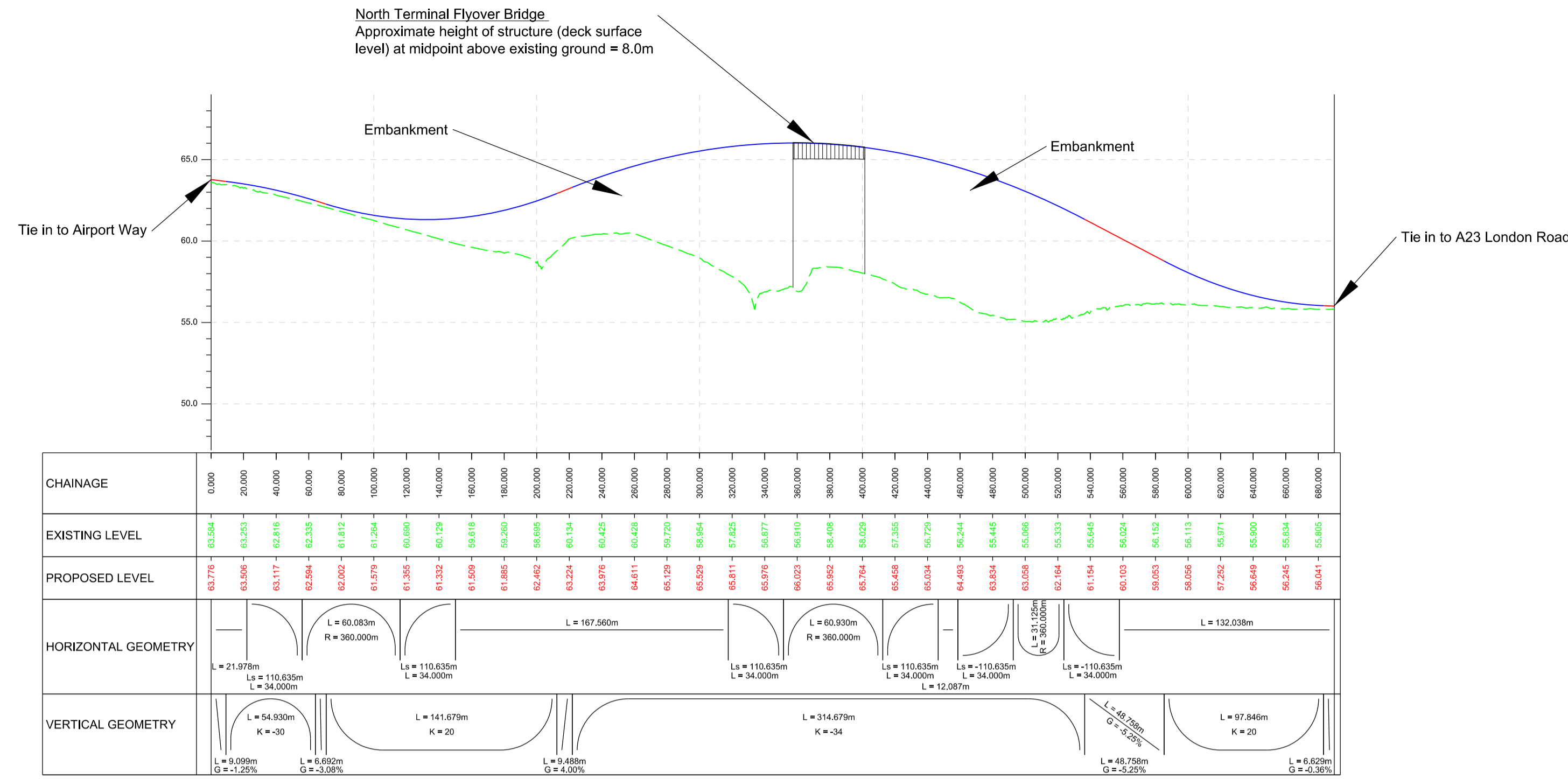
Project Name  
**Gatwick Airport Northern Runway Project**

Title  
**Surface Access Highways Plans  
Engineering Section Drawings  
APFP Regulations 6(2)  
Sheet 4 - North Terminal Sections**

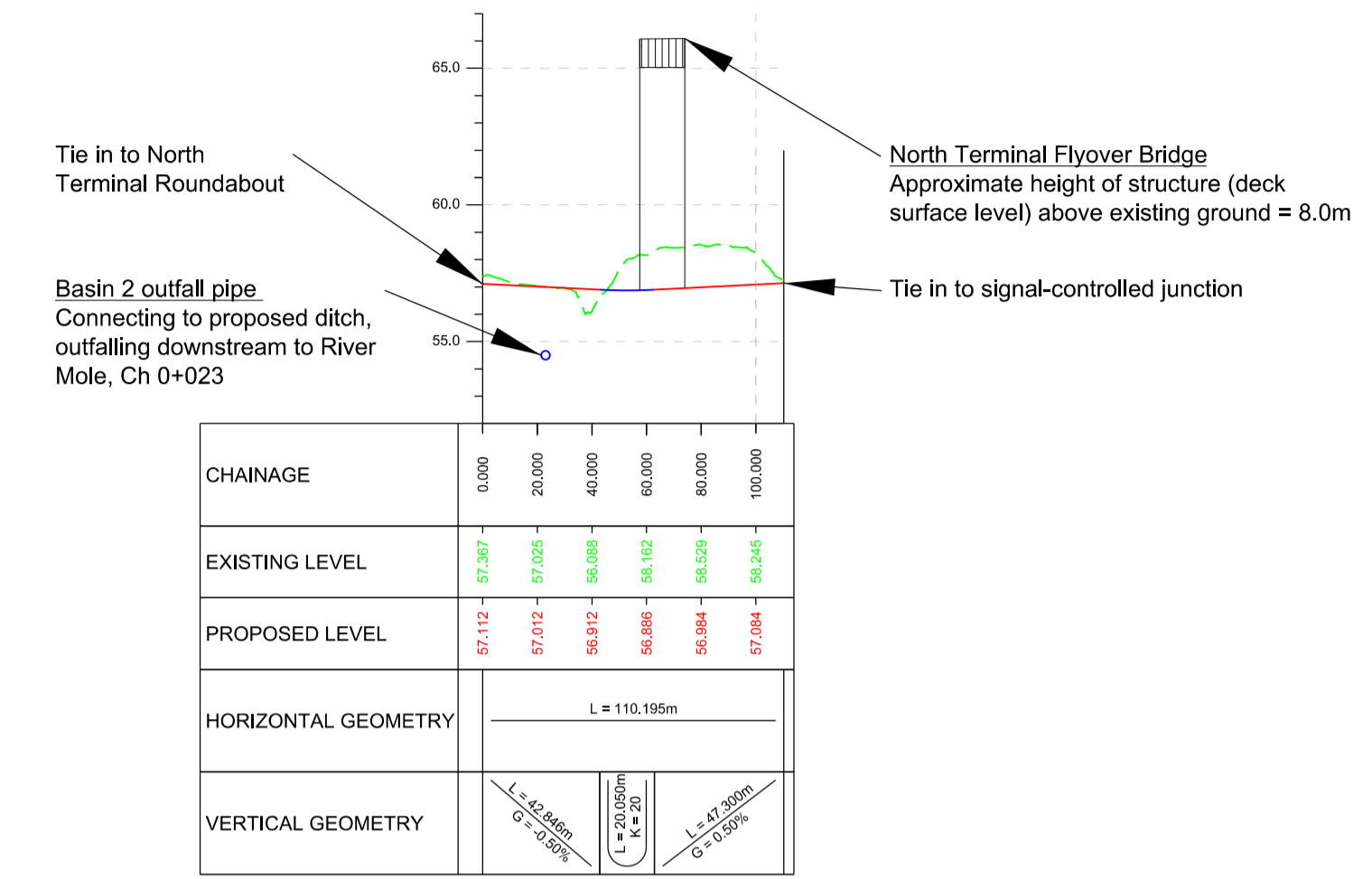
Checked By	Checked Date	Drawn By	For Approval
JF	31/05/23	NW	For Approval
DA	31/05/23	DCO Submission	Drawn Date 31/05/23 Status S4

Project Code-Location-Discipline-Volume-Type-Unique Number  
**41700- XX -B- LLO- GA - 200165**

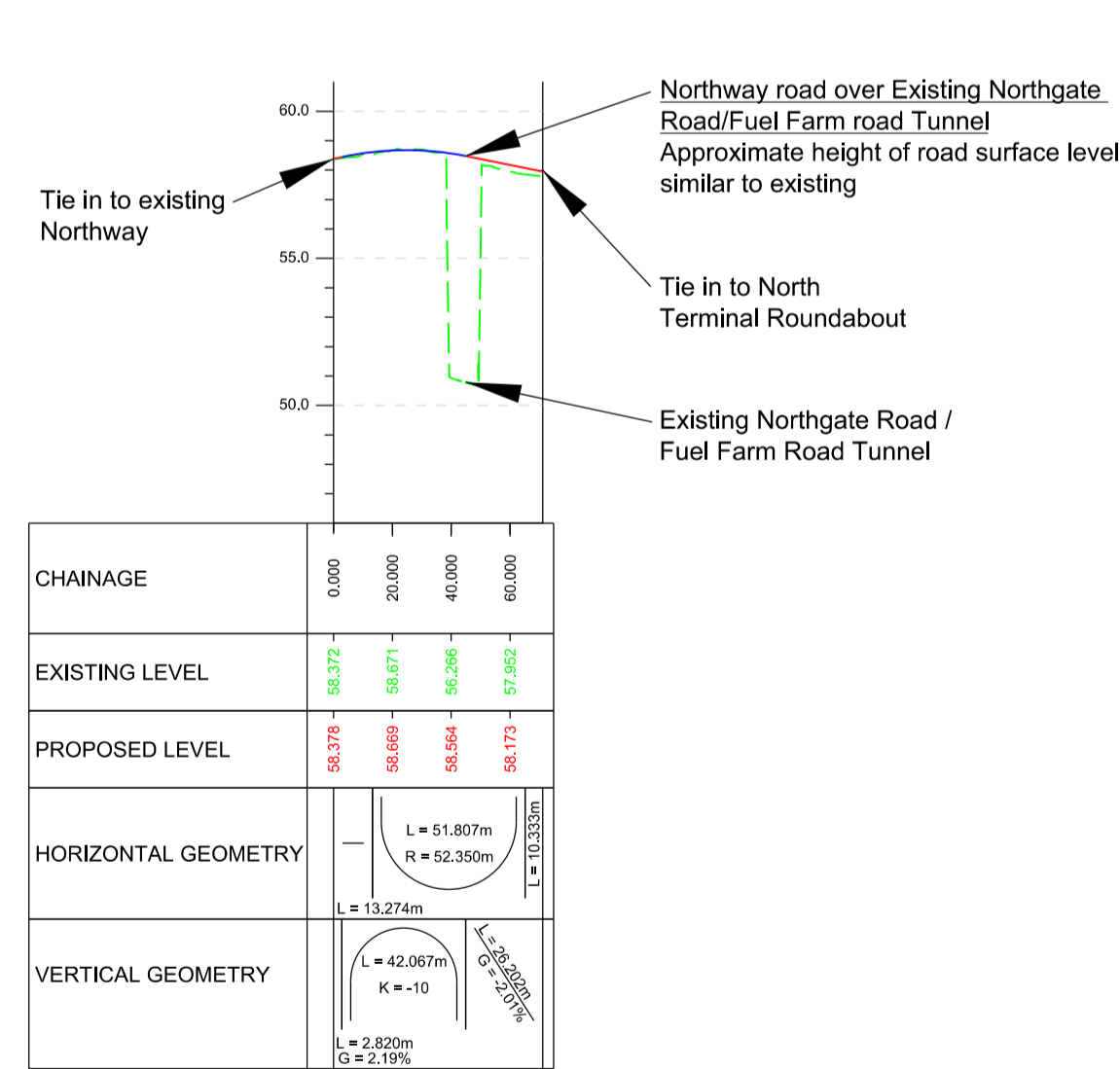
Revision  
**P01**



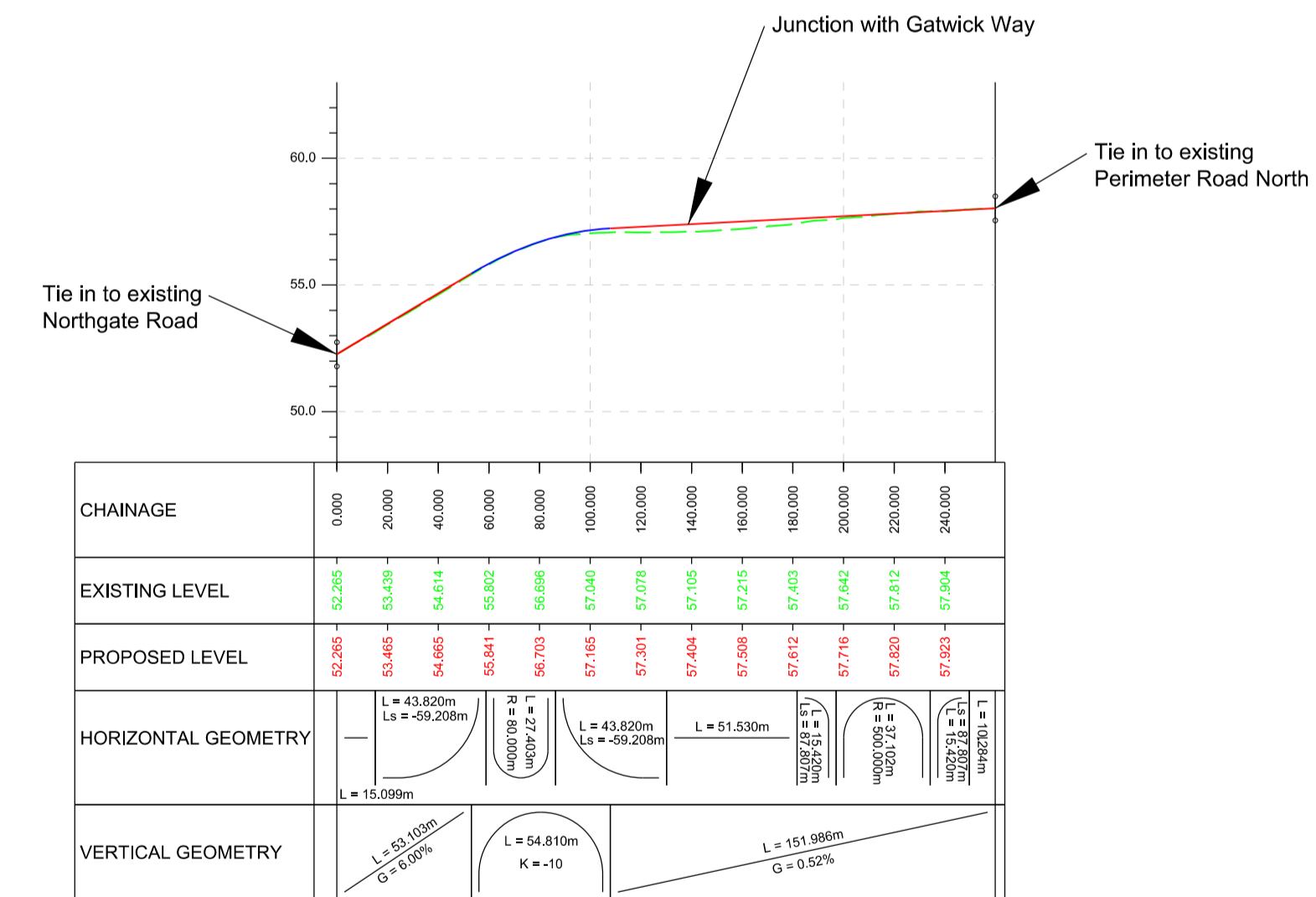
Section 15 - North Terminal Flyover Link



Section 16 - North Terminal Link



Section 17 - Northway

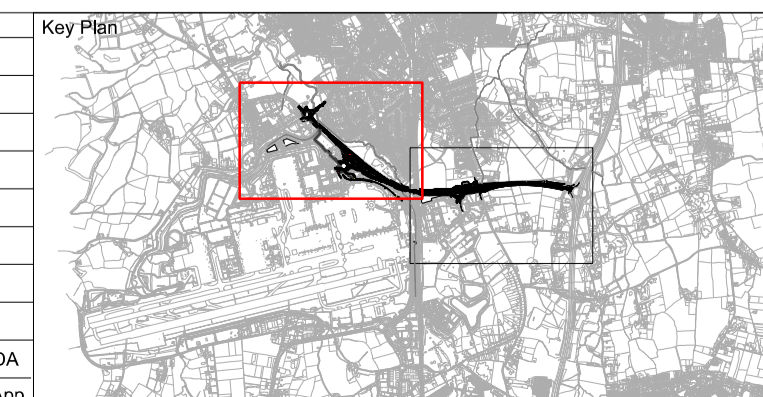


Section 18 - Perimeter Road North

- Notes:
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- Legend:
- Existing Ground Level
  - Highway Level
  - Drainage Outfall Pipe
  - Drainage Culvert
  - Road Chainage

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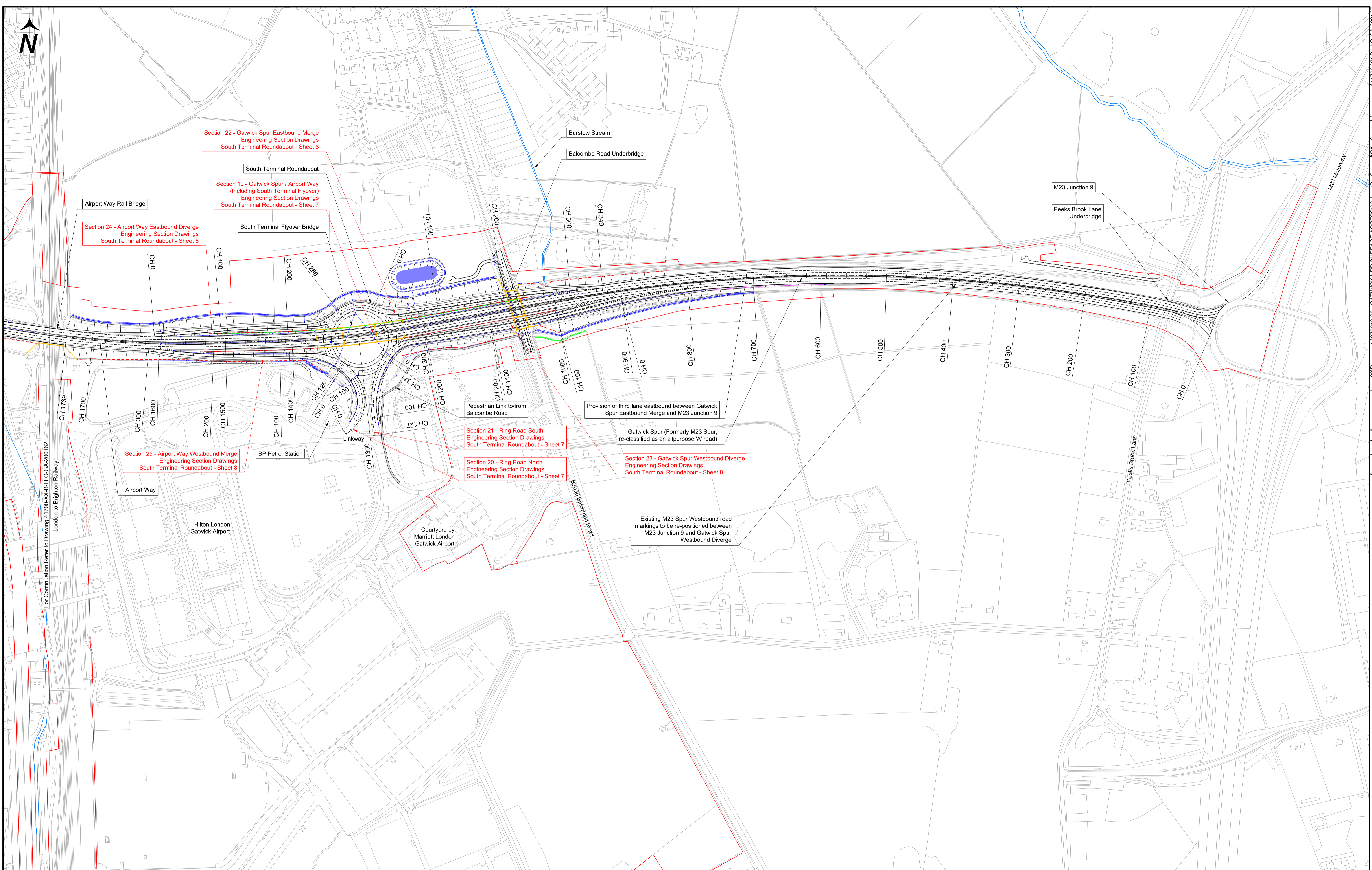


Project Name  
Gatwick Airport Northern Runway Project

Title  
Surface Access Highways Plans  
Engineering Section Drawings  
APFP Regulations 6(2)  
Sheet 5 - North Terminal Sections

Scale 0 25 50 75 100 125 HORIZONTAL SCALE 1:2500m @ A1 VERTICAL SCALE 1:500m @ A1	For Approval Drawn Date 31/05/23 Status S4
Checked By JF Approved By DA	Checked Date 31/05/23 Approval Date 31/05/23
Drawn By NW Reason for Issue DCO Submission	Revision
Project Code-Location-Discipline-Volume-Type-Unique Number 41700 - XX - B - LLO - GA - 200166	Revision P01





Section 22 - Gatwick Spur Eastbound Merge  
Engineering Section Drawings  
South Terminal Roundabout - Sheet 8

Section 19 - Gatwick Spur / Airport Way  
(Including South Terminal Flyover)  
Engineering Section Drawings  
South Terminal Roundabout - Sheet 7

Section 24 - Airport Way Eastbound Diverge  
Engineering Section Drawings  
South Terminal Roundabout - Sheet 8

Section 25 - Airport Way Westbound Merge  
Engineering Section Drawings  
South Terminal Roundabout - Sheet 8

Section 21 - Ring Road South  
Engineering Section Drawings  
South Terminal Roundabout - Sheet 7

Section 20 - Ring Road North  
Engineering Section Drawings  
South Terminal Roundabout - Sheet 7

Section 23 - Gatwick Spur Westbound Diverge  
Engineering Section Drawings  
South Terminal Roundabout - Sheet 8

- Notes:
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Legend:

	Order Limits		Highways Ditch		Attenuation Basin
	Bridge Structure		Existing Ordinary Watercourse		Attenuation Pond
	Retaining Wall		Culvert		Attenuation Oversized Pipe
	Noise Barrier		Existing Culvert		Carrier Pipe
	Road Chainage		Carrier Pipe		Existing Carrier Pipe

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P01	1 <sup>st</sup> July 2023	DCO Application	NW	JF	DA
Rev	Date	Revision Description	Dm	Chk	App



Project Name: Gatwick Airport Northern Runway Project

Title: Surface Access Highways Plans  
Engineering Section Drawings  
APFP Regulations 6(2)  
Sheet 6 - South Terminal and Spur Plan

Scale: 1:2500m @ A1

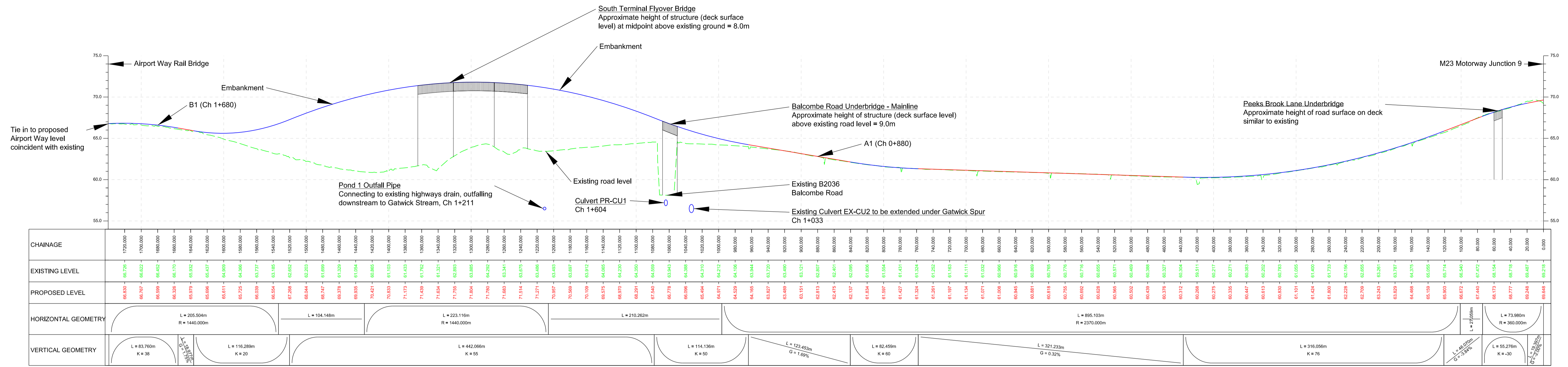
Checked By: JF	Checked Date: 31/05/23	Drawn By: NW	Status: S4
Approved By: DA	Approval Date: 31/05/23	Reason for Issue: DCO Submission	

Project Code-Location-Discipline-Volume-Type-Unique Number: 41700- XX -B- LLO- GA - 200167

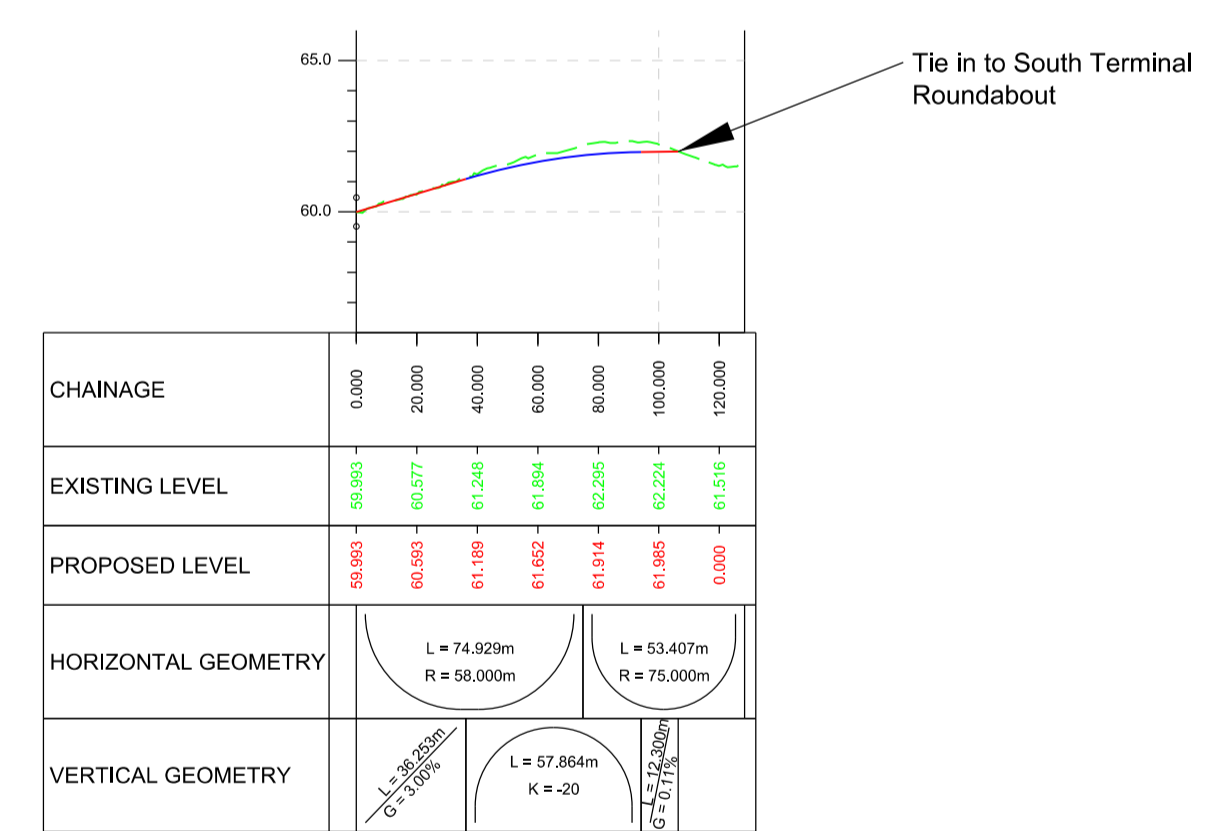
Revision: P01

For Approval  
Drawn Date: 31/05/23

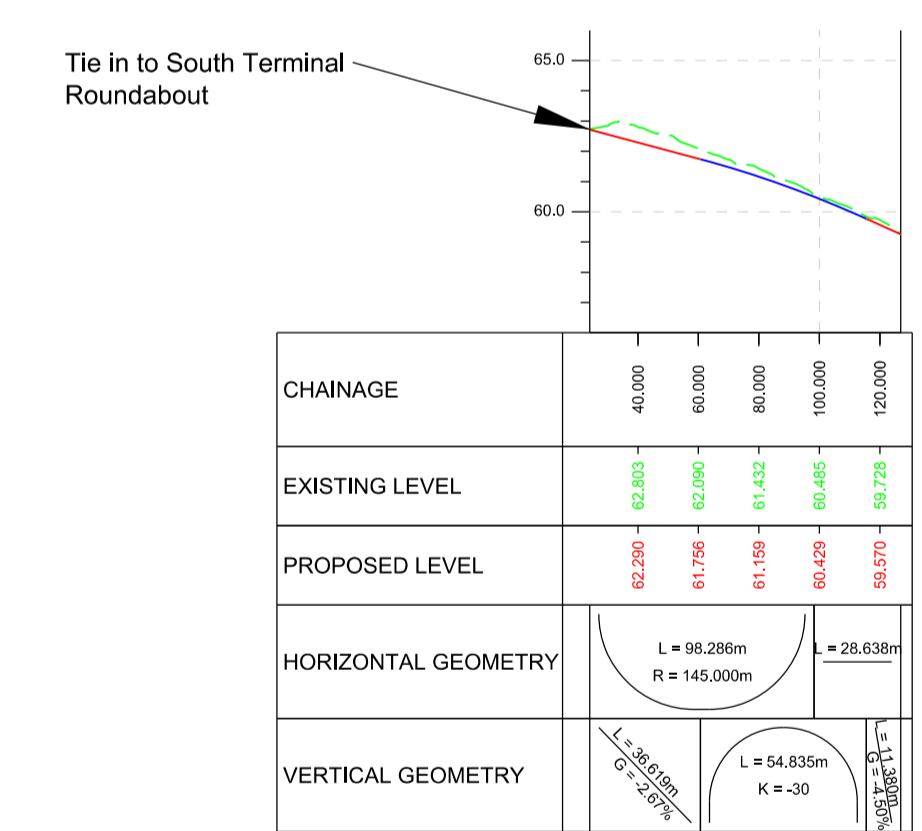
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Section 19 - Gatwick Spur / Airport Way (Including South Terminal Flyover)



Section 20 - Ring Road North Profile



Section 21 - Ring Road South Profile

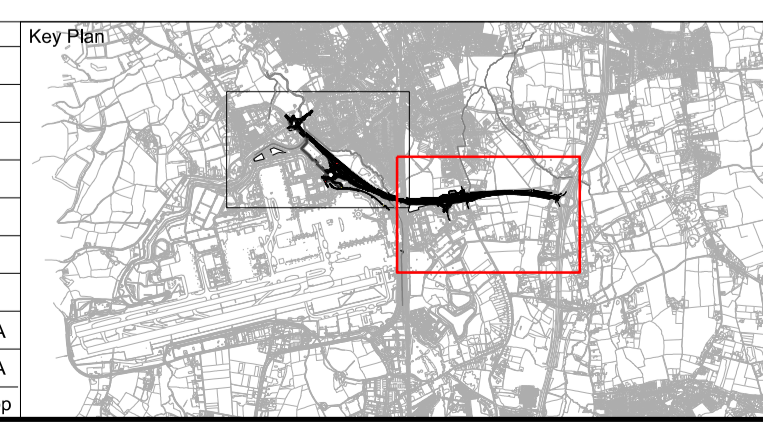
- Notes:
- 1) This drawing shall be read in conjunction with the draft Development Consent Order (DCO) and accompanying application documentation.
  - 2) All dimensions, chainage and levels are in meters unless otherwise stated.
  - 3) Only written dimensions shall be used.
  - 4) L = Length, G = Gradient

Legend:

	Existing Ground Level
	Highway Level
	Drainage Outfall Pipe
	Drainage Culvert
	Road Chainage

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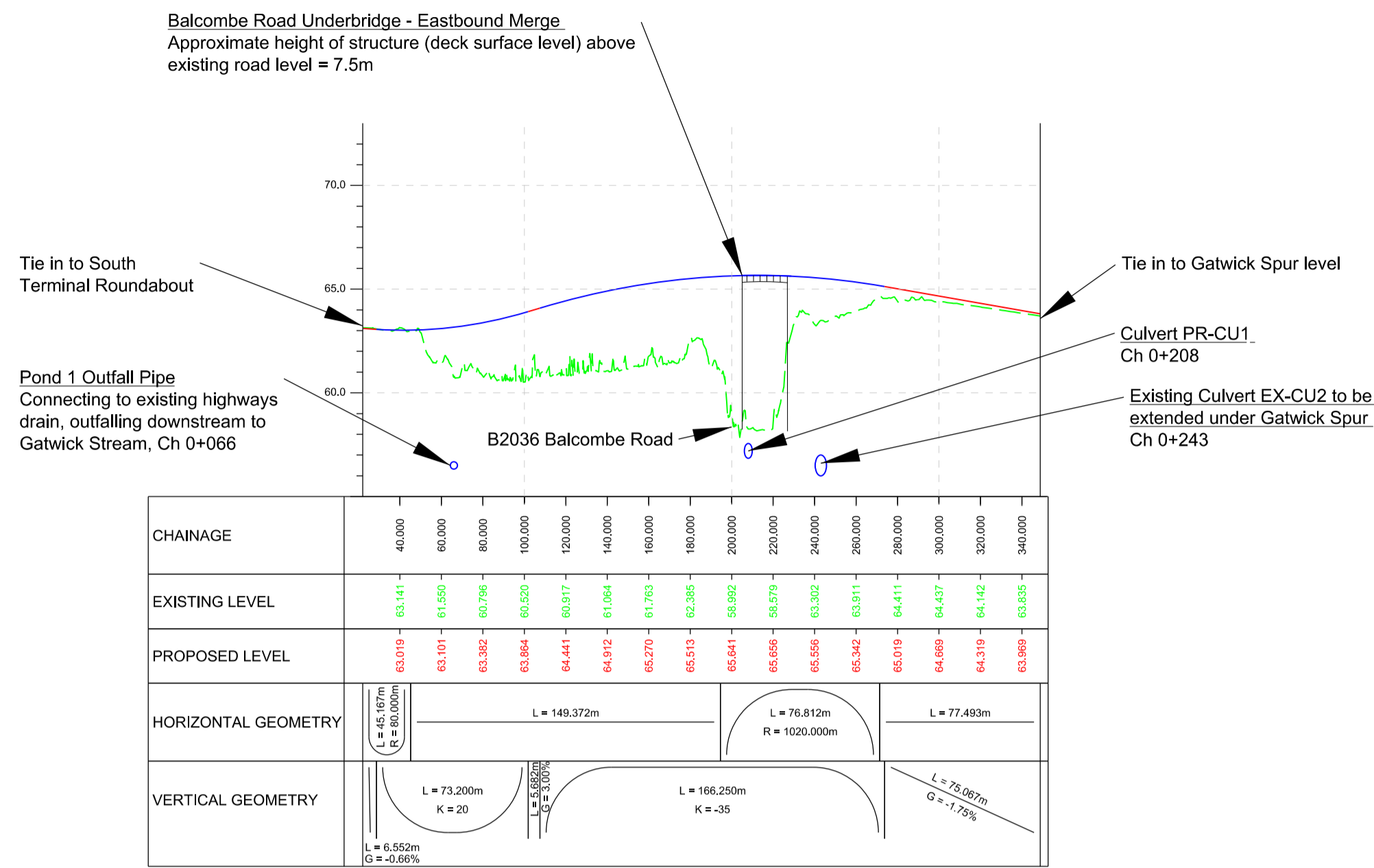
Rev	Date	Revision Description	Dm	Chk	App
P01	1 <sup>st</sup> July 2023	DCO Application	NW	JF	DA
P02	9 <sup>th</sup> June 2024	Deadline 5	EH	JF	DA



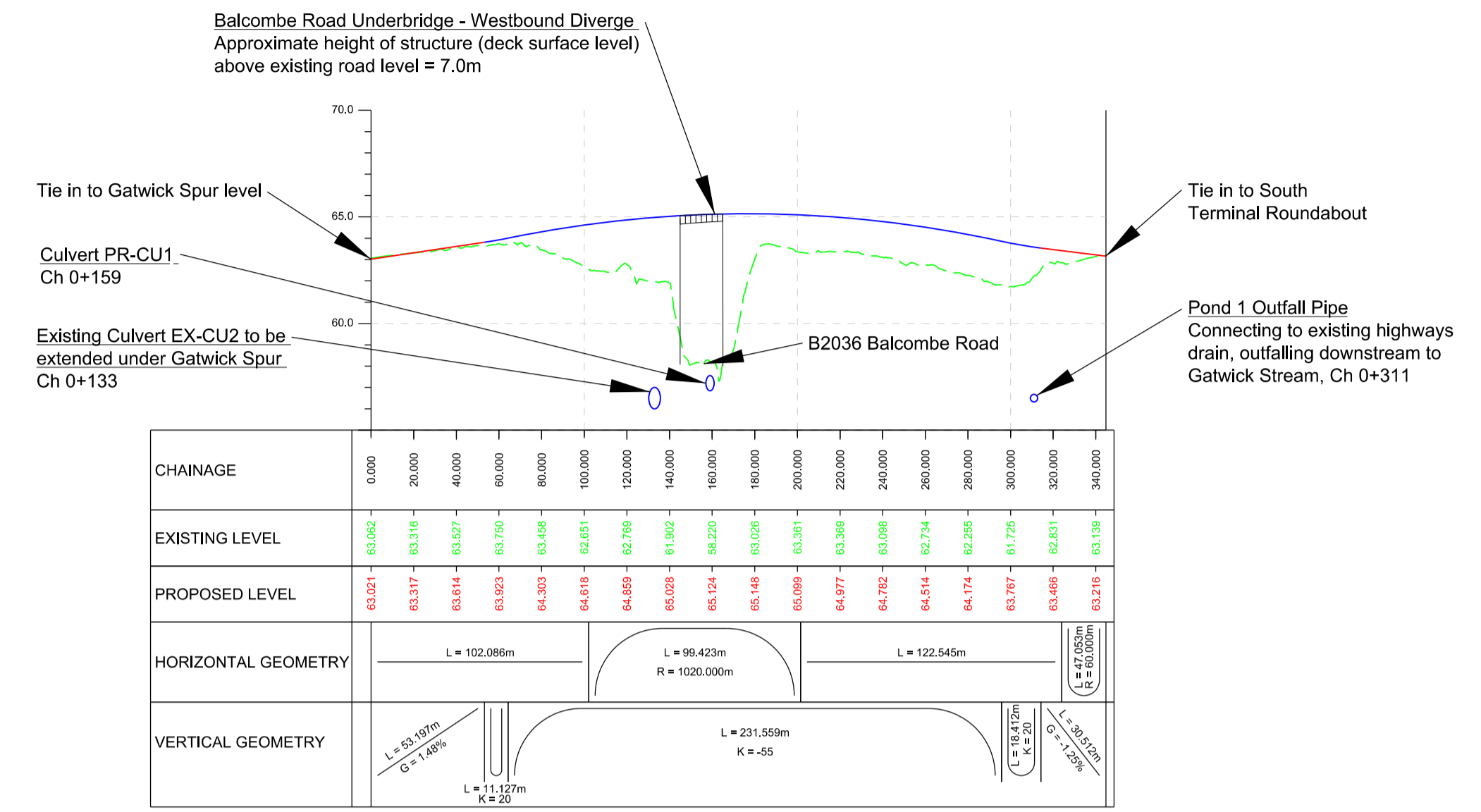
Project Name  
**Gatwick Airport Northern Runway Project**

Title  
**Surface Access Highways Plans  
Engineering Section Drawings  
APFP Regulations 6(2)  
Sheet 7 - South Terminal Sections**

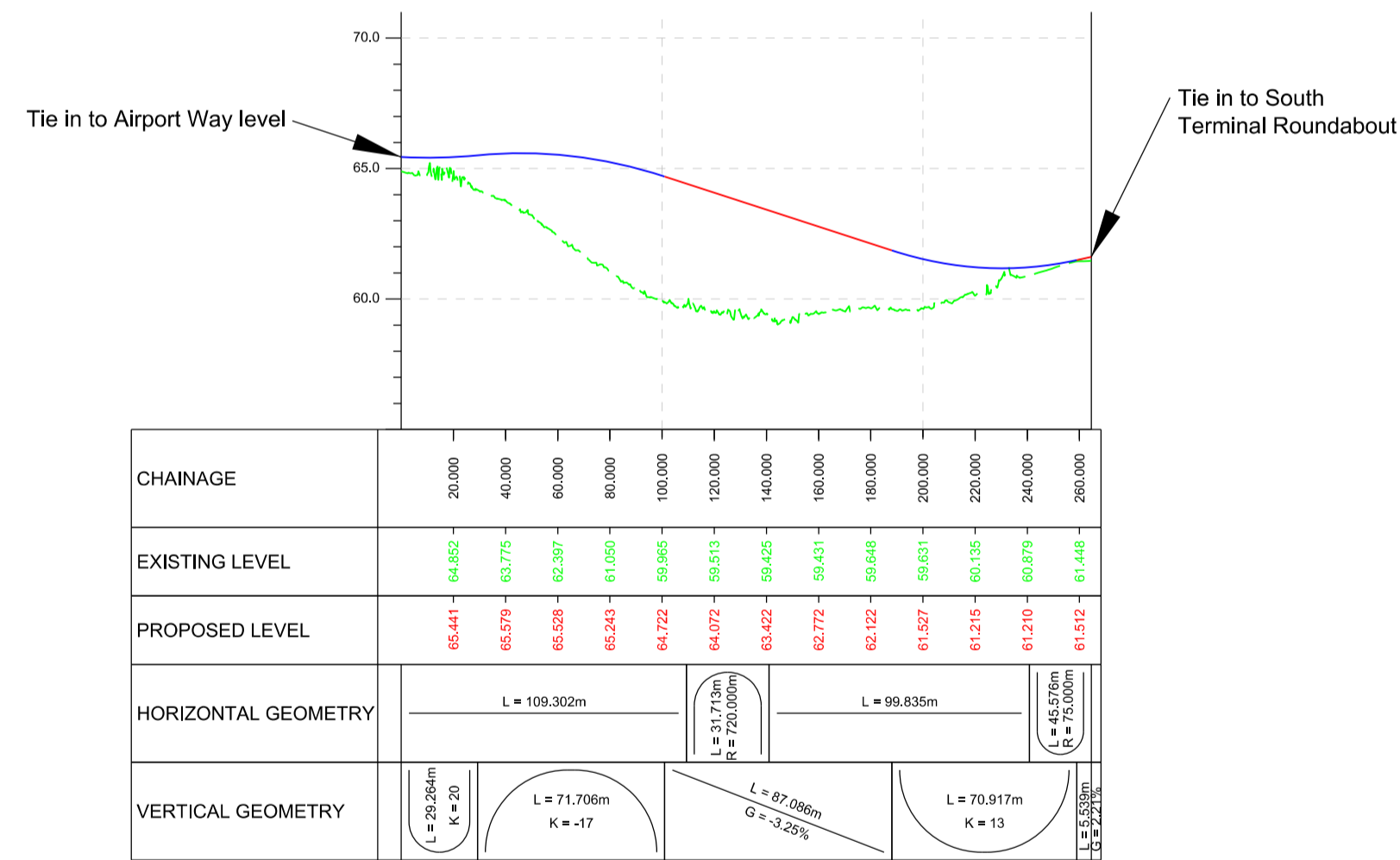
Scale 0 25 50 75 100 125 HORIZONTAL SCALE 1:2500m @ A1 0 5 10 15 20 25 VERTICAL SCALE 1:500m @ A1	For Approval Drawn Date 30/05/24 Status S4
Checked By JF Approved By DA	Checked Date 30/05/24 Approval Date 30/05/24
Drawn By EH Reason for Issue DCO Submission	Revision 41700 - XX - B - LLO - GA - 200168 P02



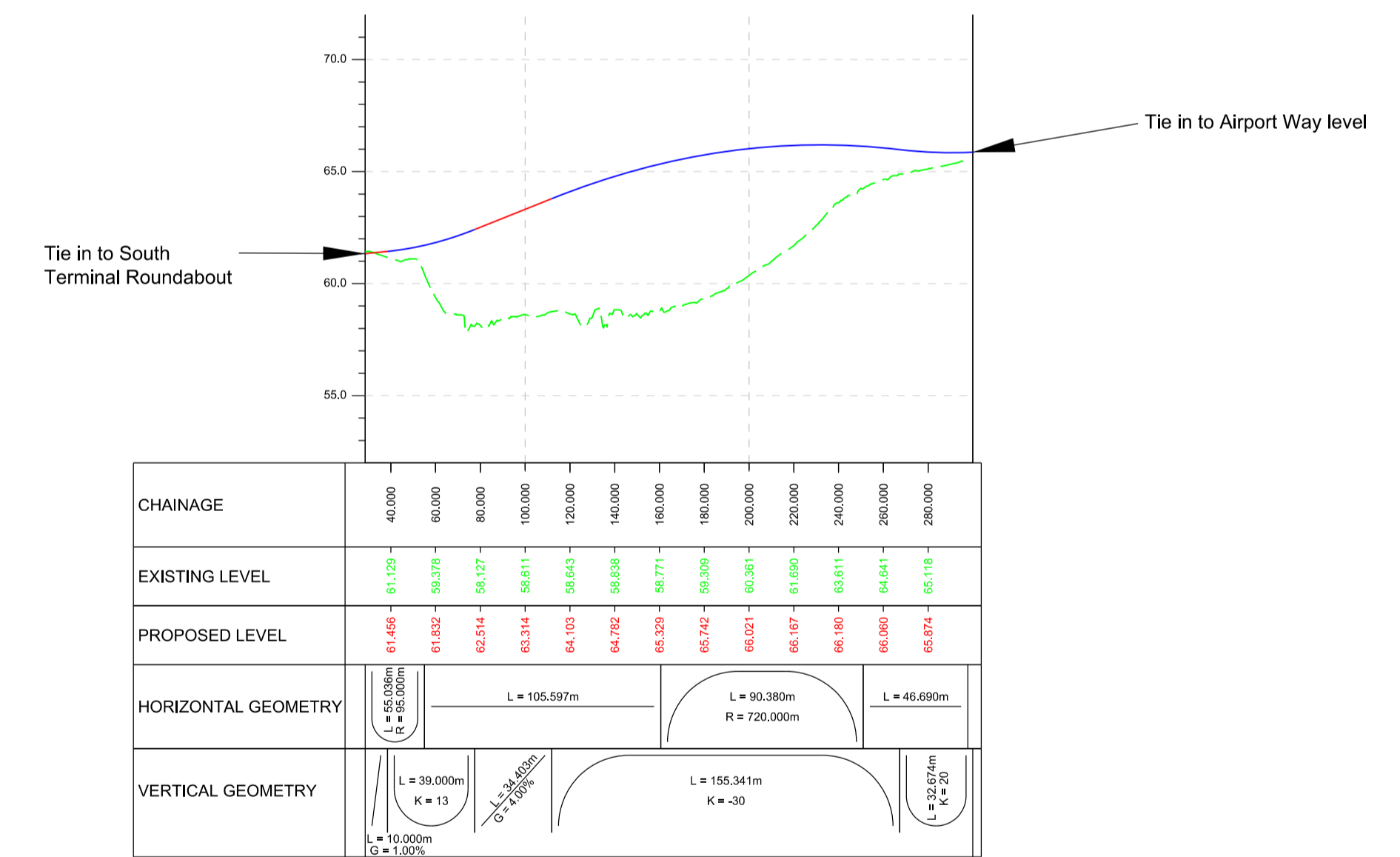
Section 22 - Gatwick Spur Eastbound Merge Profiles



Section 23 - Gatwick Spur Westbound Diverge Profiles



Section 24 - Airport Way Eastbound Diverge Profile



Section 25 - Airport Way Westbound Merge Profile

- Notes:
- 1) This drawing shall be read in conjunction with the draft Development Consent Order (DCO) and accompanying application documentation.
  - 2) All dimensions, chainage and levels are in meters unless otherwise stated.
  - 3) Only written dimensions shall be used.
  - 4) L = Length, G = Gradient

- Legend:
- Existing Ground Level
  - Highway Level
  - Drainage Outfall Pipe
  - Drainage Culvert
  - Road Chainage

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Rev	Date	Revision Description	Dm	Chk	App
P01	1 <sup>st</sup> July 2023	DCO Application	NW	JF	DA



Project Name  
Gatwick Airport Northern Runway Project

Title  
Surface Access Highways Plans  
Engineering Section Drawings  
APFP Regulations 6(2)  
Sheet 8 - South Terminal Sections

Checked By	Checked Date	Drawn By	Status
JF	31/05/23	NW	S4
DA	31/05/23	DCO Submission	

Project Code-Location-Discipline-Volume-Type-Unique Number  
**41700- XX -B - LLO - GA - 200169**

Revision  
**P01**