



Gatwick Airport Northern Runway Project

Surface Access Highways Plans – Engineering Section Drawings - For Approval

Book 4

VERSION: 1.0

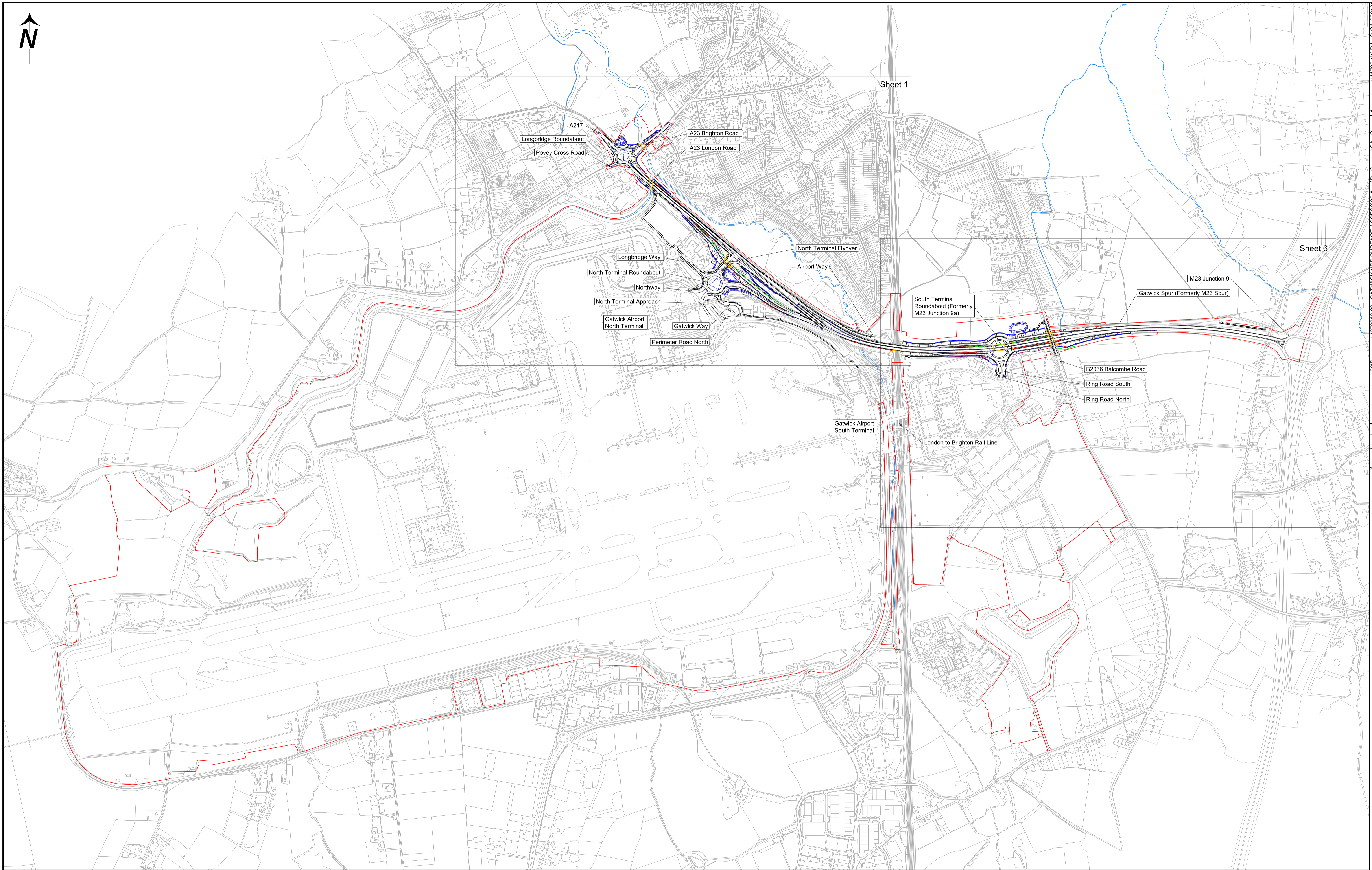
DATE: JULY 2023

Application Document Ref: 4.8.2

PINS Reference Number: TR020005

Surface Access Highways Plans – Engineering Section Drawings – For Approval

Drawing Number	Revision	Drawing Title	Scale	Sheet Size
41700-XX-B-LLO-GA-200161	P01	Surface Access Highways Plans – Engineering Section Drawings – APFP Regulations 6(2) – Key Plan	1:7500	A1
41700-XX-B-LLO-GA-200162	P01	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	P01	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.
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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		Main River
	Road Chainage		Carrier Pipe		
	CH		Existing Carrier Pipe		

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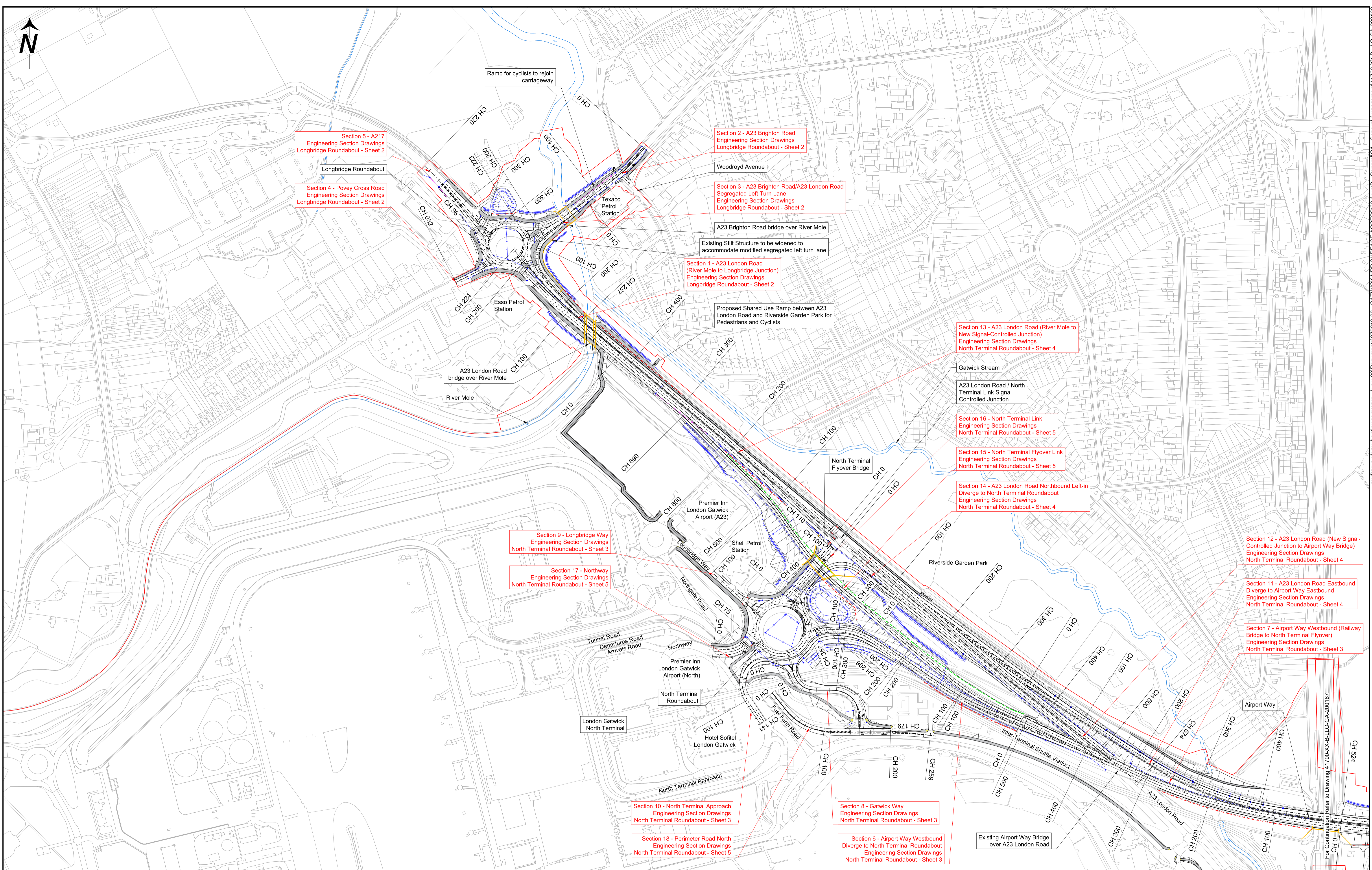
Rev	Date	Revision Description	Dm	Chk	App
P01	1 st July 2023	DCO Application	NW	JF	DA



Project Name
Gatwick Airport Northern Runway Project

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

Scale 0 75 150 225 300 375 SCALE 1:7500m @ A1			For Approval
Checked By JF	Checked Date 31/05/23	Drawn By NW	Drawn Date 31/05/23
Approved By DA	Approval Date 31/05/23	Reason for Issue DCO Submission	Status S4
Project Code-Location-Discipline-Volume-Type-Unique Number 41700- XX -B- LLO- GA - 200161			Revision P01



Notes:

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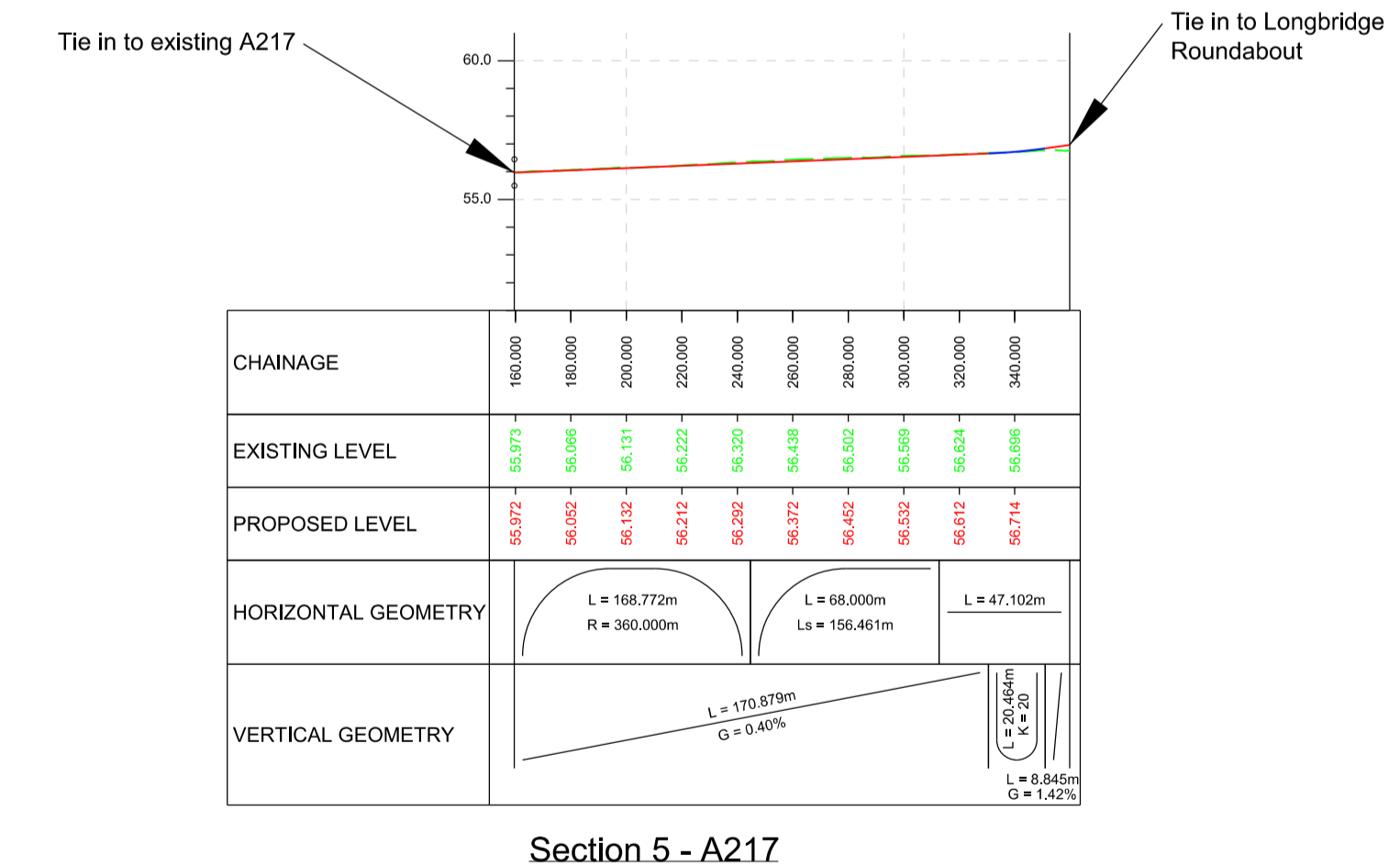
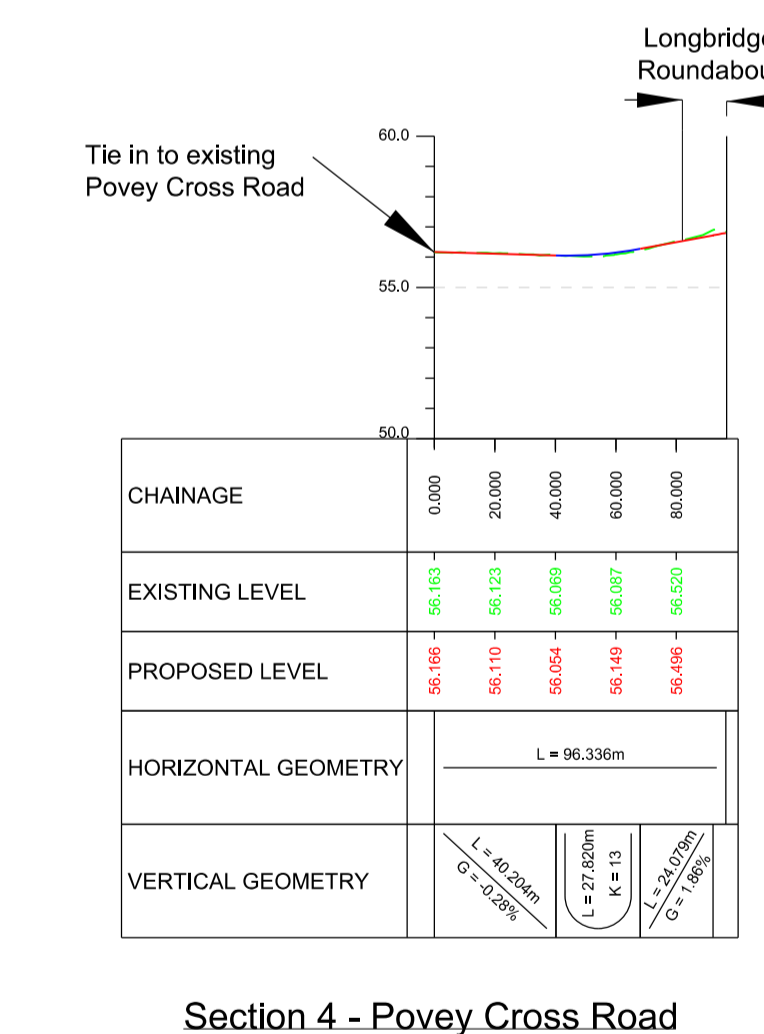
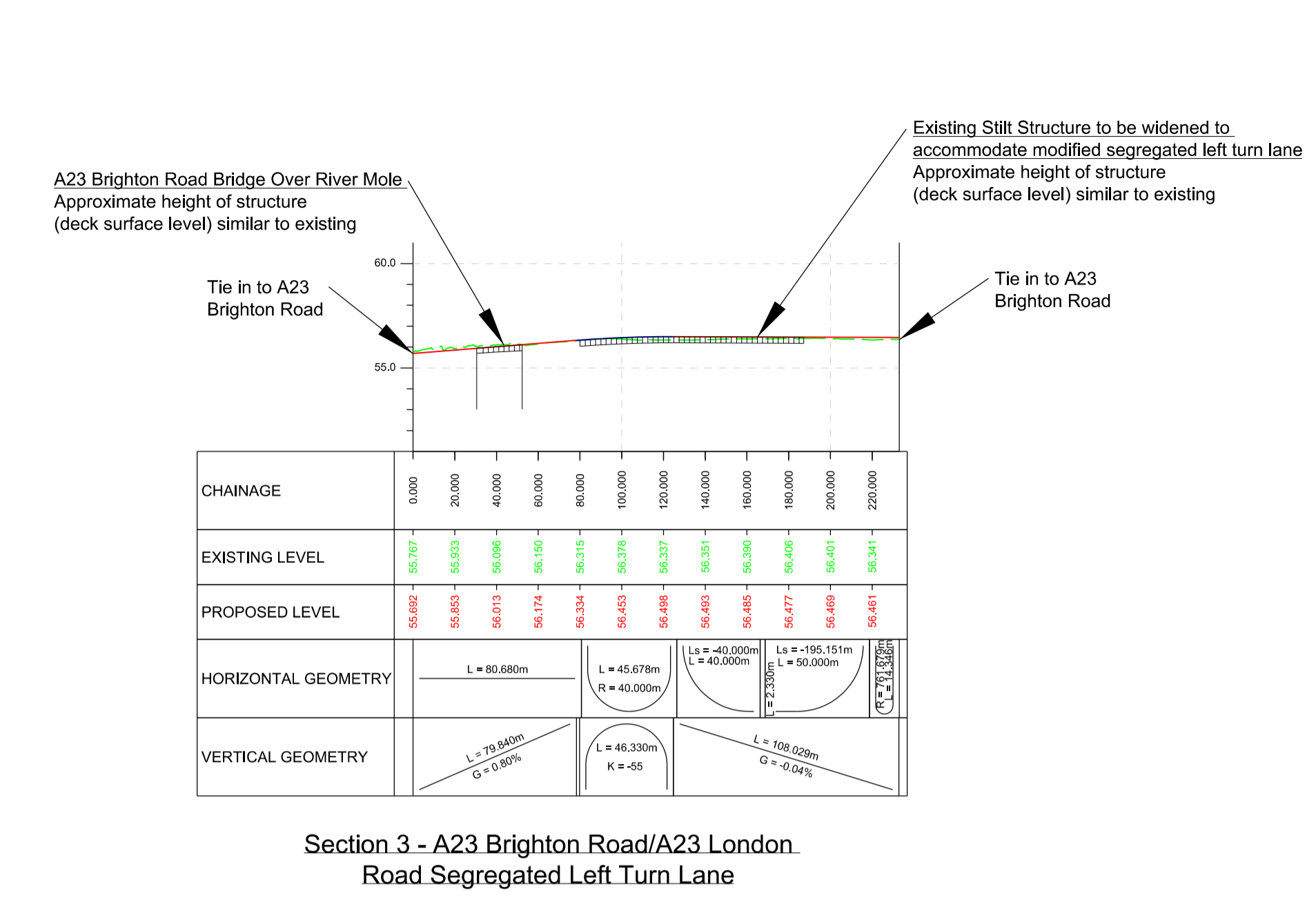
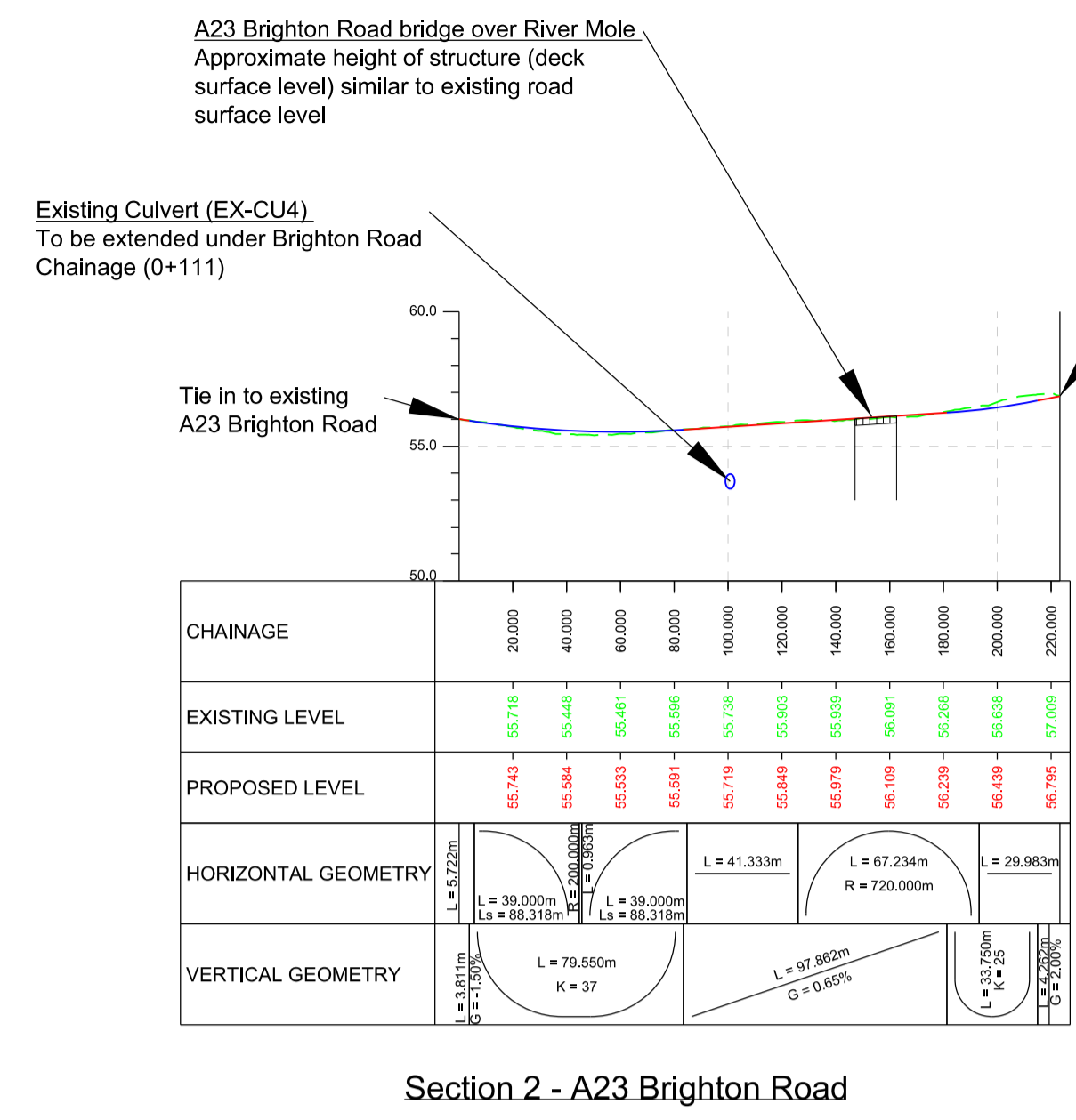
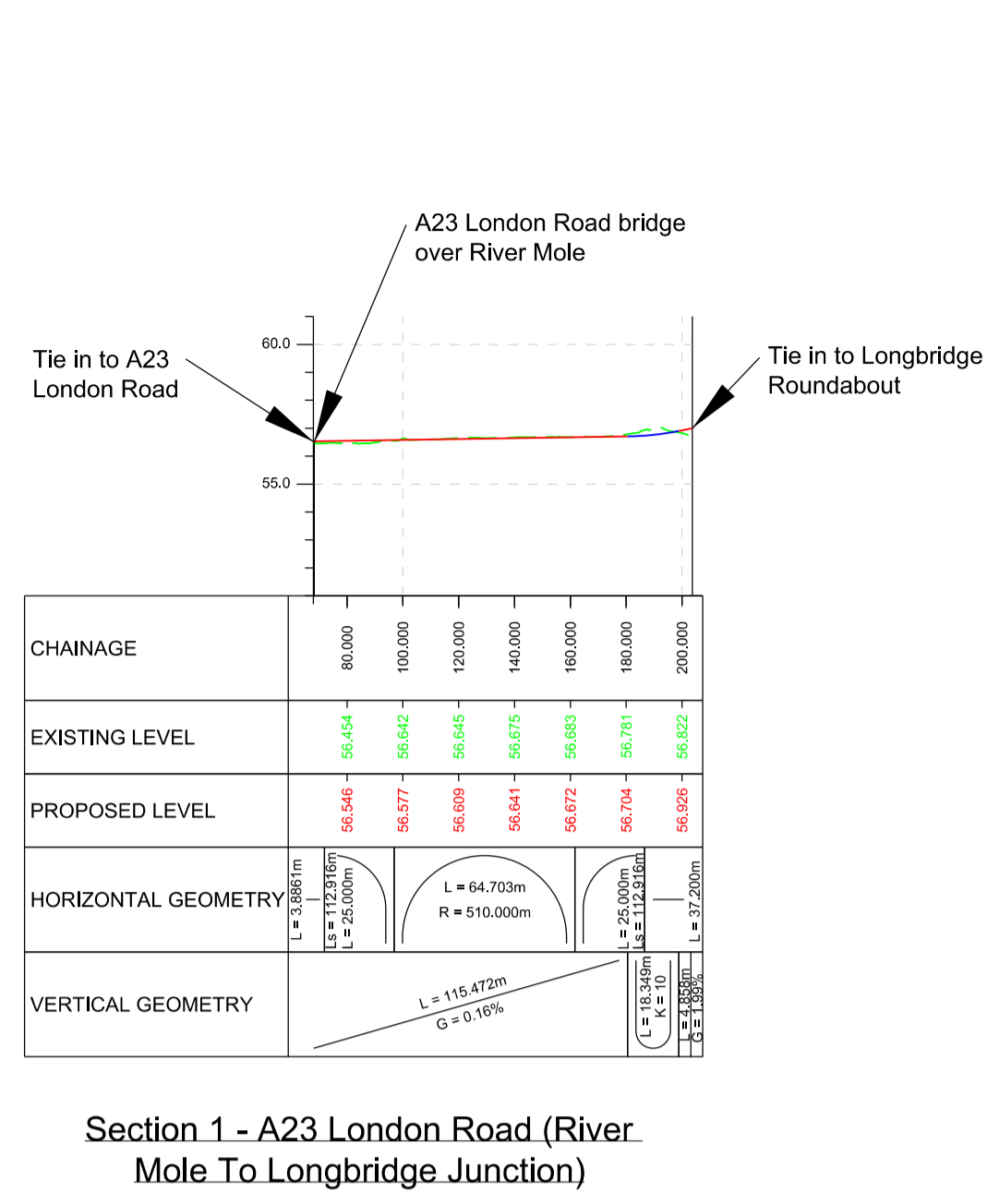
Legend:		Highways Ditch		Attenuation Basin	
—	Order Limits	—	Highways Ditch	○	Attenuation Basin
—	Bridge Structure	—	Existing Ordinary Watercourse	○	Attenuation Pond
—	Retaining Wall	—	Culvert	—	Attenuation Oversized Pipe
—	Noise Barrier	—	Existing Culvert	—	Main River
—	Road Chainage	—	Carrier Pipe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

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



Project Name Gatwick Airport Northern Runway Project		Scale 0 25 50 75 100 125 SCALE 1:2500m @ A1		For Approval	
Title Surface Access Highways Plans Engineering Section Drawings APFP Regulations 6(2) Sheet 1 - Longbridge and North Terminal Plan		Checked By JF	Checked Date 31/05/23	Drawn By NW	Drawn Date 31/05/23
		Approved By DA	Approval Date 31/05/23	Reason for Issue DCO Submission	Status S4
		Project Code-Location-Discipline-Volume-Type-Unique Number 41700- XX -B- LLO- GA - 200162		Revision P01	

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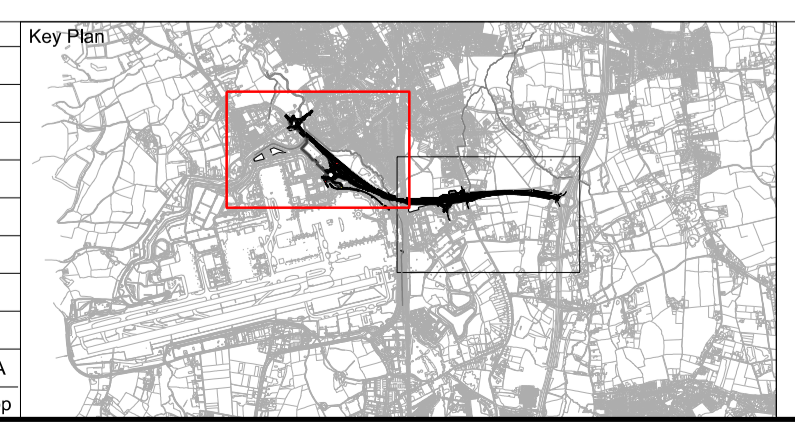


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- Legend:**
- Existing Ground Level
 - Highway Level
 - Drainage Outfall Pipe
 - Drainage Culvert
 - Road Chainage

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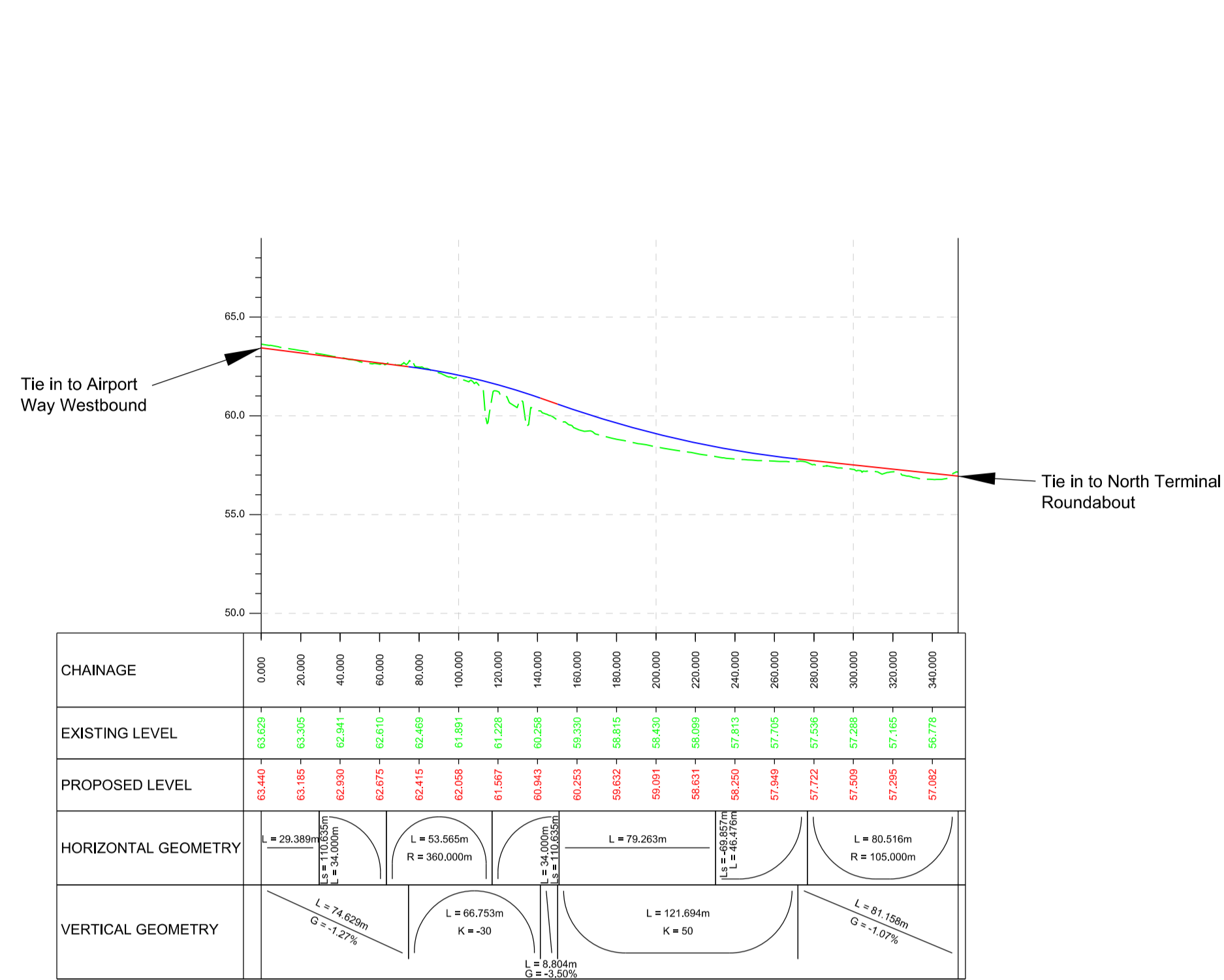
Rev	Date	Revision Description	Dm	Chk	App
P01	1 st July 2023	DCO Application	NW	JF	DA



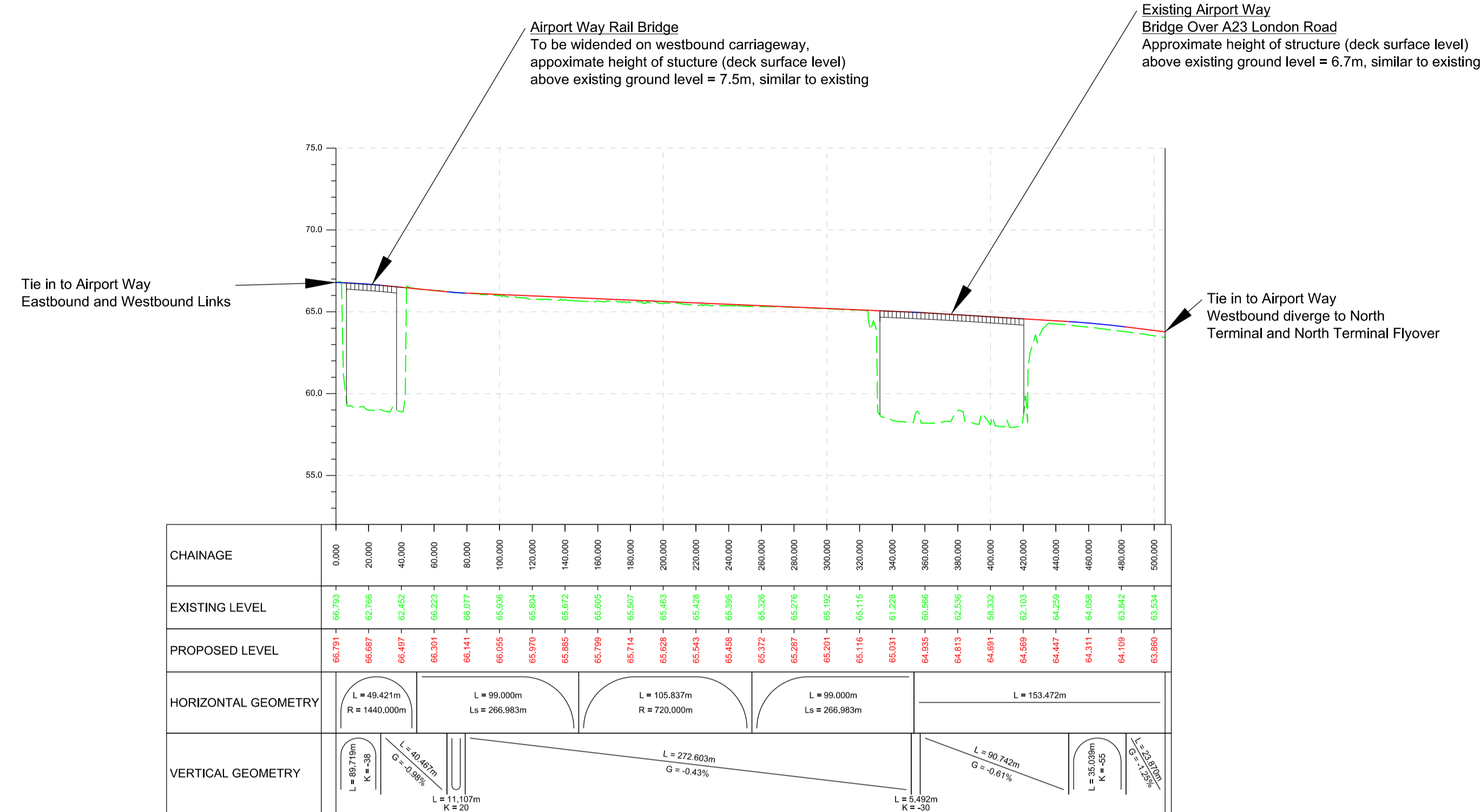
Project Name
Gatwick Airport Northern Runway Project

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

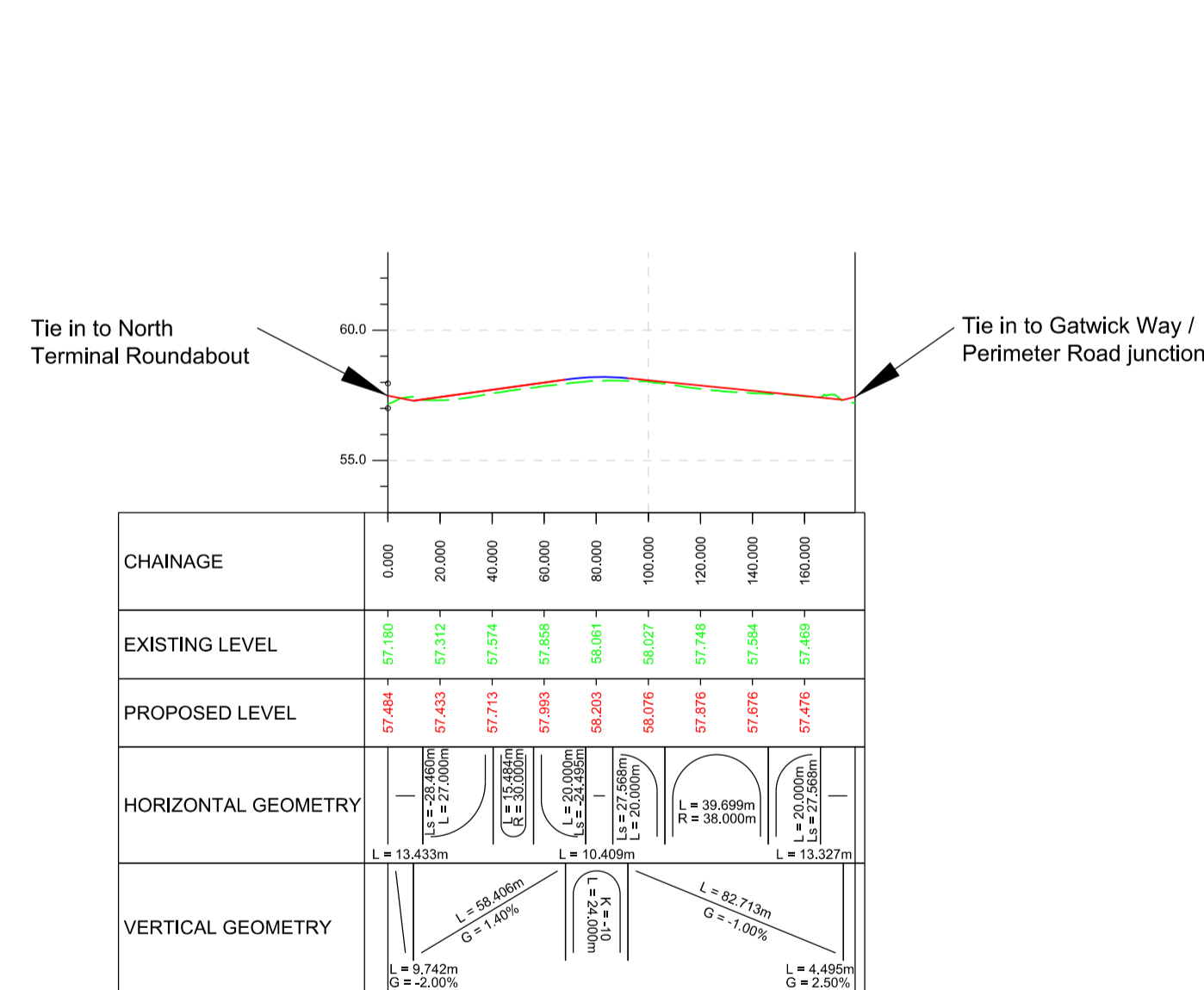
Checked By JF	Checked Date 31/05/23	Drawn By NW	Status S4
Approved By DA	Approval Date 31/05/23	Reason for Issue DCO Submission	
Project Code-Location-Discipline-Volume-Type-Unique Number 41700- XX -B- LLO- GA - 200163			Revision P01



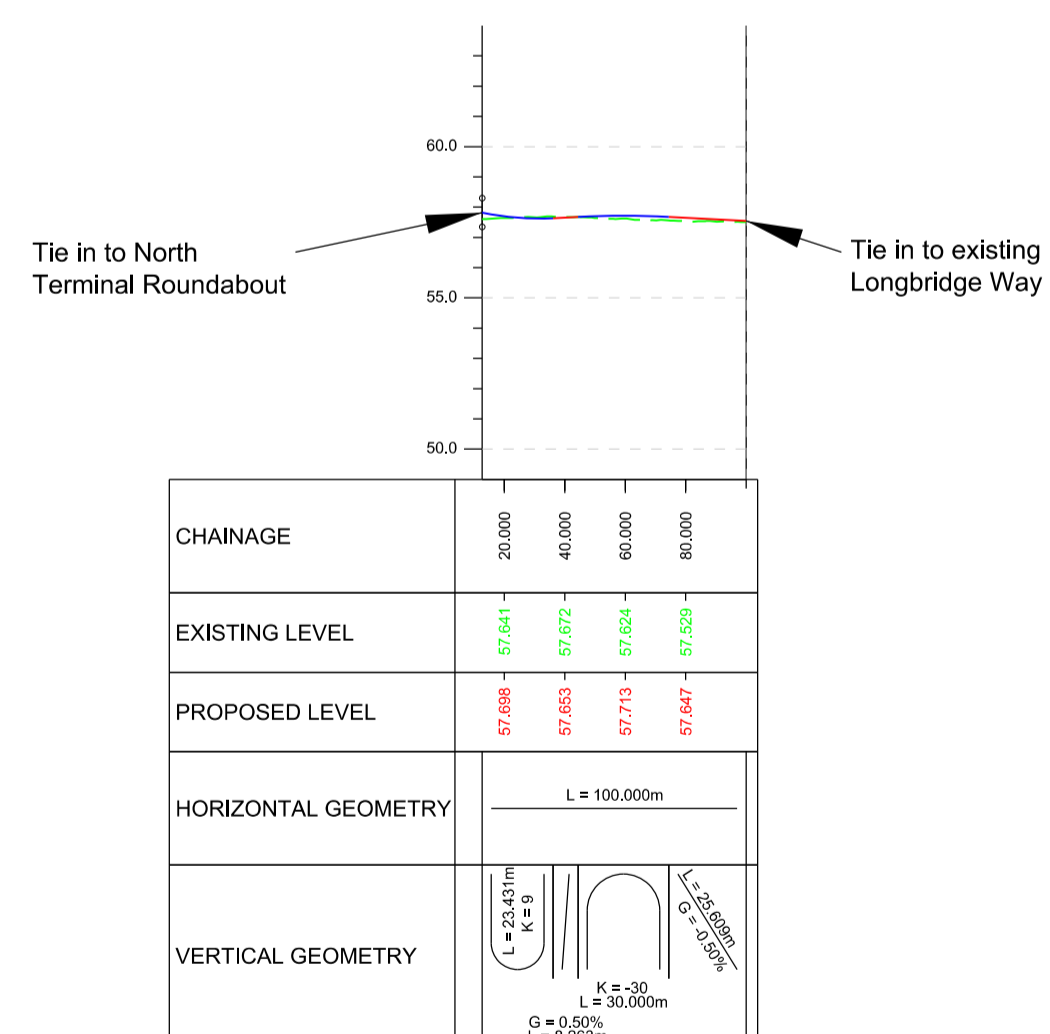
Section 6 - Airport Way Westbound Diverge To North Terminal Roundabout



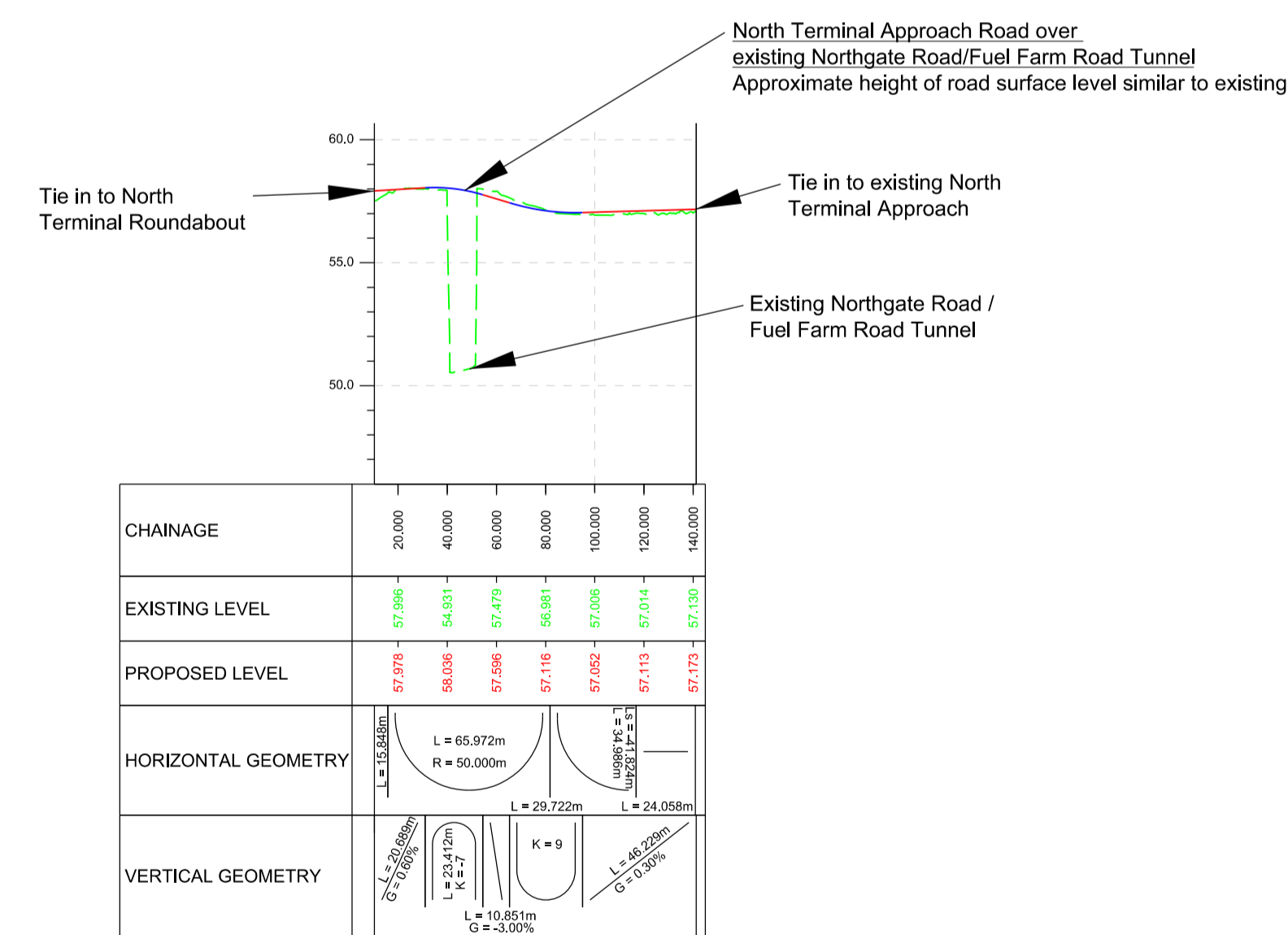
Section 7 - Airport Way Westbound (Railway Bridge To North Terminal Flyover)



Section 8 - Gatwick Way



Section 9 - Longbridge Way



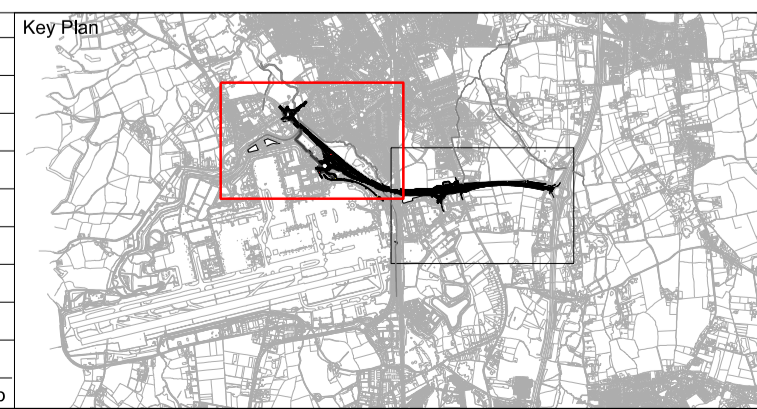
Section 10 - North Terminal Approach

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

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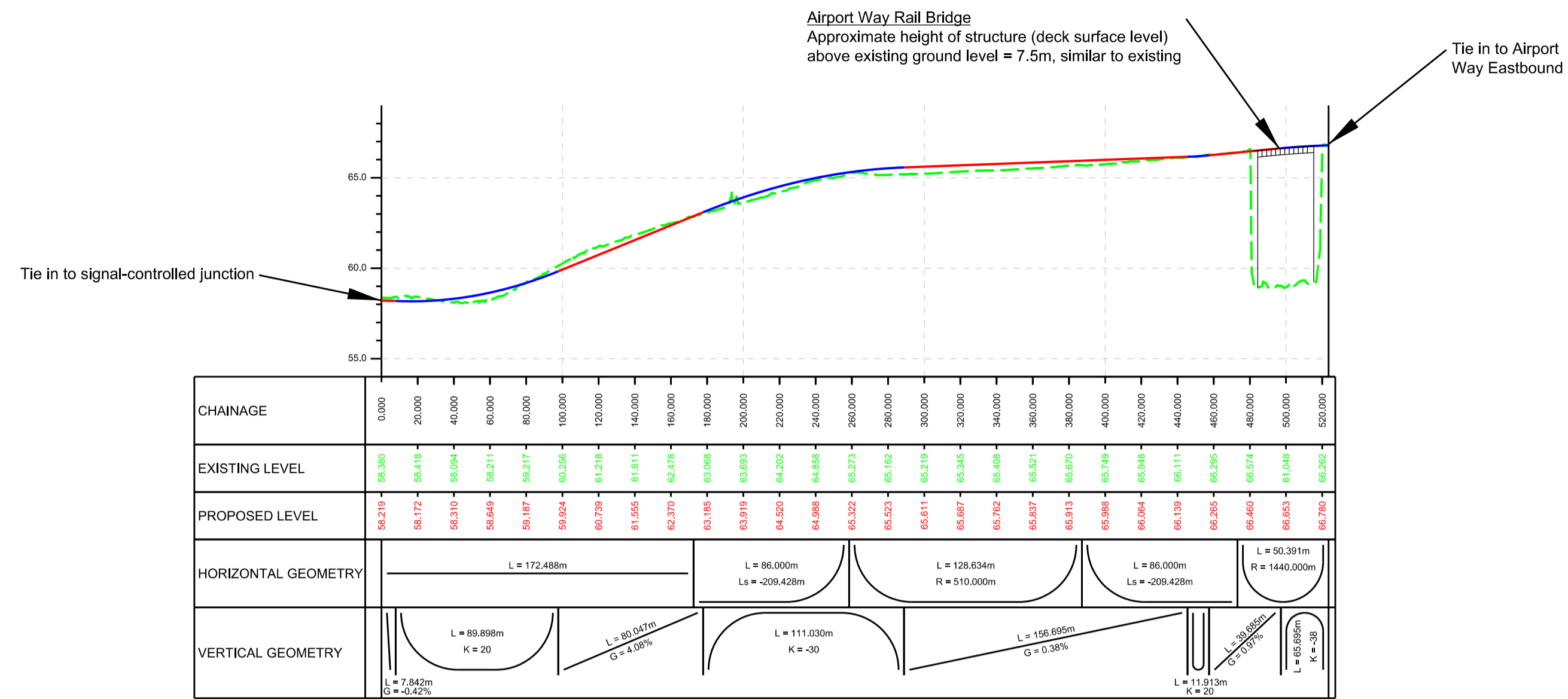
Rev	Date	Revision Description	Dm	Chk	App
P01	1 st July 2023	DCO Application	NW	JF	DA



Project Name
Gatwick Airport Northern Runway Project

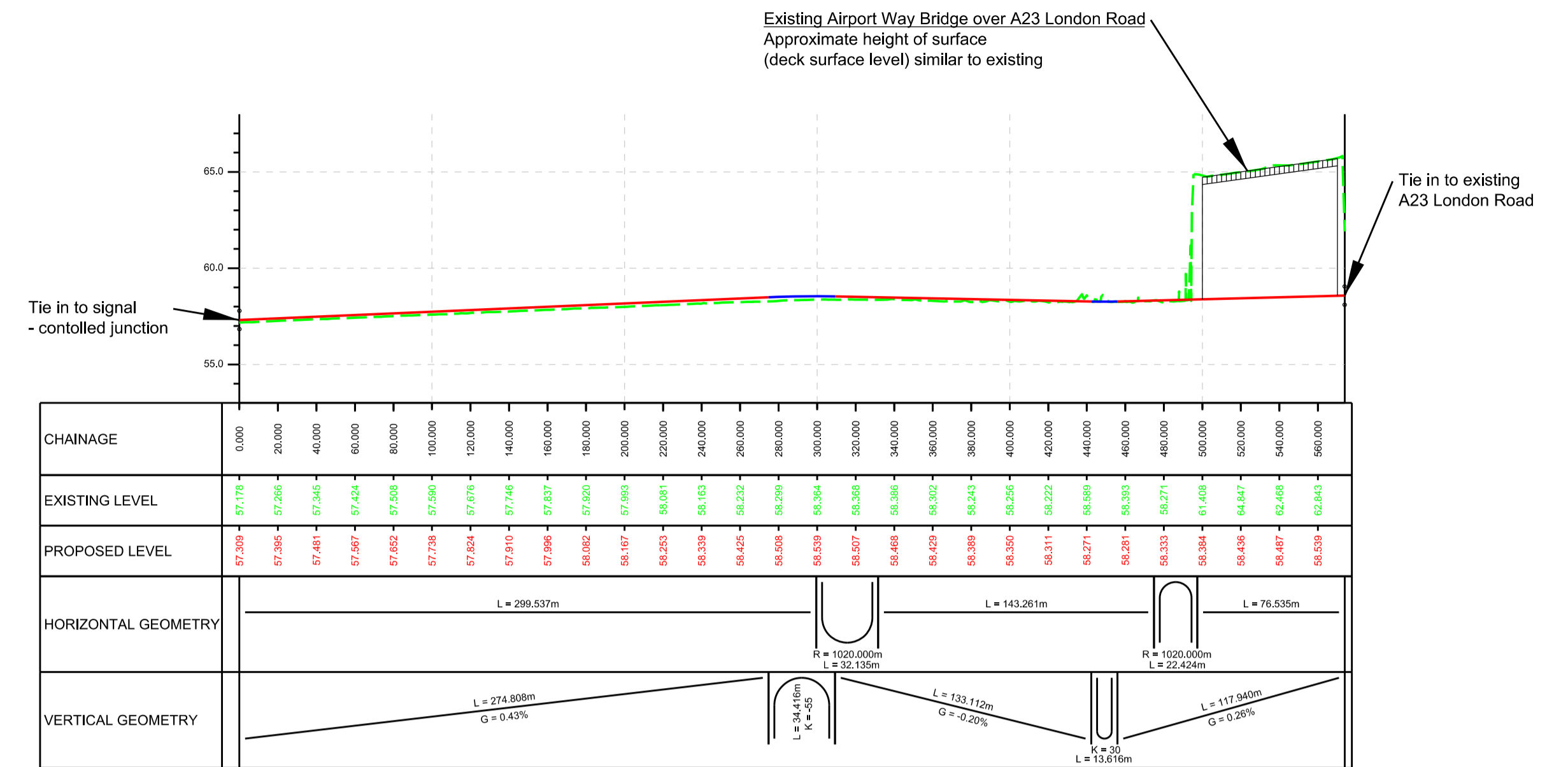
Title
Surface Access Highways Plans
Engineering Section Drawings
APFP Regulations 6(2)
Sheet 3 - North Terminal Sections

Checked By	Checked Date	Drawn By	For Approval
JF	31/05/23	NW	S4
DA	31/05/23	DCO Submission	
Project Code-Location-Discipline-Volume-Type-Unique Number			Revision
41700 - XX - B - LLO - GA - 200164			P01



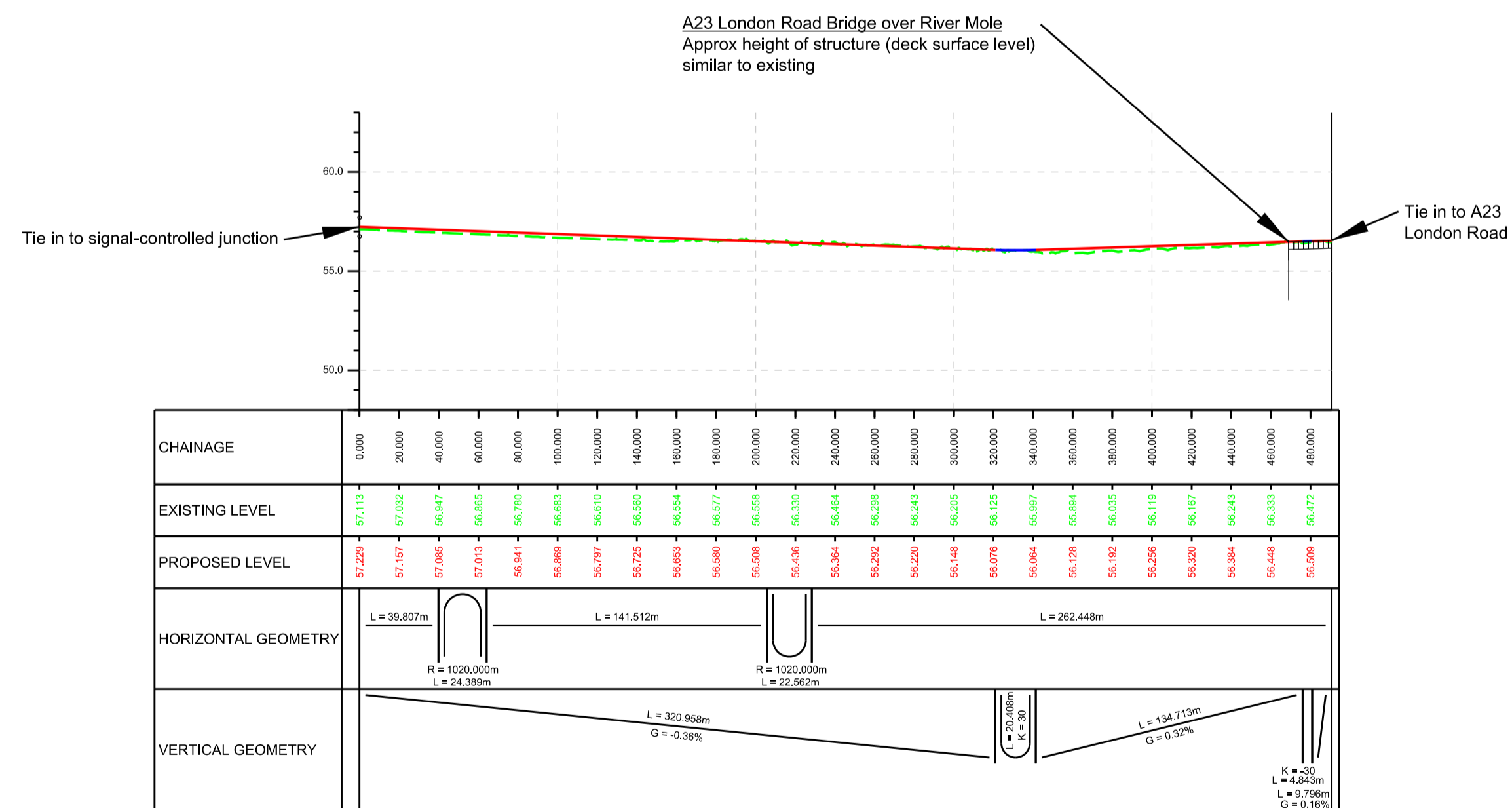
CHAINAGE	EXISTING LEVEL	PROPOSED LEVEL	HORIZONTAL GEOMETRY	VERTICAL GEOMETRY
0.000	56.380	56.210		L = 7.842m G = -0.42%
20.000	56.410	56.172		
40.000	56.500	56.310		
60.000	56.711	56.644		
80.000	56.921	56.917		
100.000	57.238	57.394	L = 172.488m	
120.000	57.518	57.739		
140.000	57.811	58.054		
160.000	58.118	58.355		
180.000	58.438	58.620		
200.000	58.761	58.851		
220.000	59.088	59.048		
240.000	59.418	59.200	L = 86.000m Ls = -209.428m	
260.000	59.751	59.322		
280.000	60.088	59.418		
300.000	60.428	59.481	L = 128.634m R = 510.000m	
320.000	60.771	59.511		
340.000	61.118	59.537	L = 86.000m Ls = -209.428m	
360.000	61.468	59.567		
380.000	61.821	59.591		
400.000	62.178	59.608		
420.000	62.538	59.618		
440.000	62.901	59.621		
460.000	63.268	59.618		
480.000	63.638	59.608		
500.000	64.011	59.591		
520.000	64.388	59.568	L = 50.391m R = 1440.000m	

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



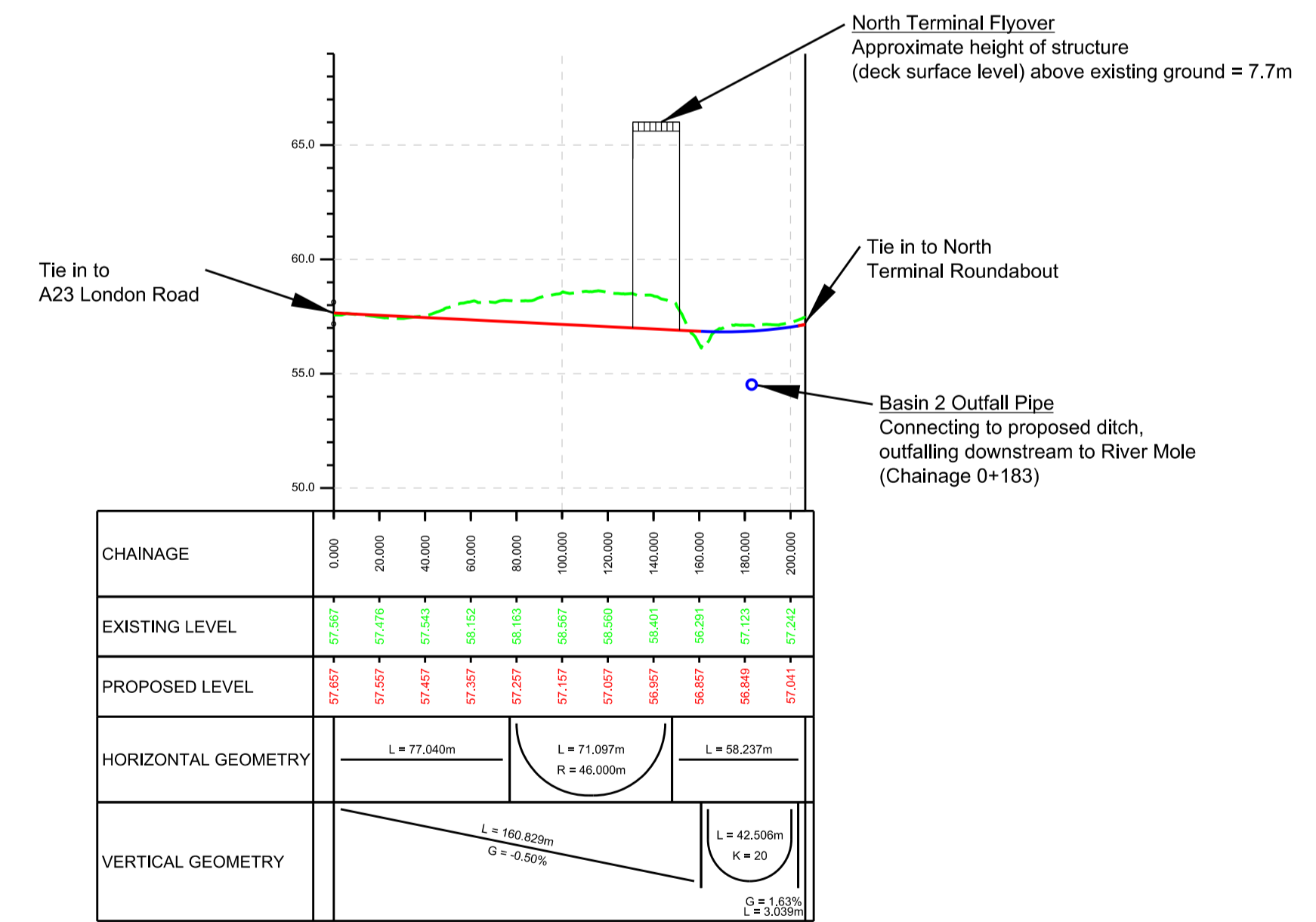
CHAINAGE	EXISTING LEVEL	PROPOSED LEVEL	HORIZONTAL GEOMETRY	VERTICAL GEOMETRY
0.000	57.170	57.209		
20.000	57.260	57.306		
40.000	57.345	57.401		
60.000	57.424	57.487		
80.000	57.500	57.567		
100.000	57.570	57.642		
120.000	57.635	57.712		
140.000	57.695	57.777		
160.000	57.750	57.837		
180.000	57.800	57.892		
200.000	57.845	57.942		
220.000	57.885	57.987		
240.000	57.920	58.027		
260.000	57.950	58.062		
280.000	57.975	58.092		
300.000	58.000	58.117		
320.000	58.020	58.137		
340.000	58.035	58.152		
360.000	58.045	58.162		
380.000	58.050	58.167		
400.000	58.050	58.167		
420.000	58.045	58.162		
440.000	58.035	58.152		
460.000	58.020	58.137		
480.000	58.000	58.117		
500.000	57.975	58.092		
520.000	57.945	58.062		
540.000	57.910	58.027		
560.000	57.870	57.987		

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



CHAINAGE	EXISTING LEVEL	PROPOSED LEVEL	HORIZONTAL GEOMETRY	VERTICAL GEOMETRY
0.000	57.111	57.229		
20.000	57.020	57.142		
40.000	56.937	57.055		
60.000	56.860	56.973		
80.000	56.789	56.896		
100.000	56.724	56.825		
120.000	56.665	56.760		
140.000	56.612	56.701		
160.000	56.565	56.648		
180.000	56.524	56.601		
200.000	56.488	56.569		
220.000	56.457	56.542		
240.000	56.431	56.520		
260.000	56.409	56.502		
280.000	56.391	56.488		
300.000	56.377	56.478		
320.000	56.367	56.471		
340.000	56.361	56.466		
360.000	56.359	56.463		
380.000	56.360	56.462		
400.000	56.364	56.463		
420.000	56.371	56.466		
440.000	56.381	56.471		
460.000	56.394	56.479		

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



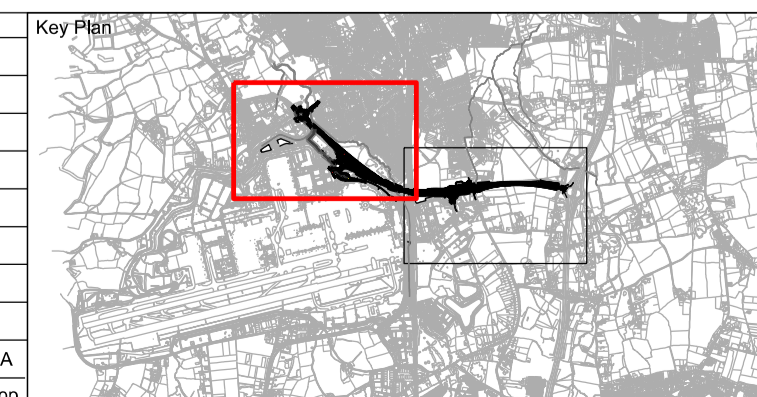
CHAINAGE	EXISTING LEVEL	PROPOSED LEVEL	HORIZONTAL GEOMETRY	VERTICAL GEOMETRY
0.000	57.567	57.657		
20.000	57.478	57.567		
40.000	57.341	57.427		
60.000	57.152	57.237		
80.000	56.909	57.007		
100.000	56.620	56.717		
120.000	56.290	56.387		
140.000	55.920	56.027		
160.000	55.520	55.627		
180.000	55.090	55.197		
200.000	54.620	54.727		

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

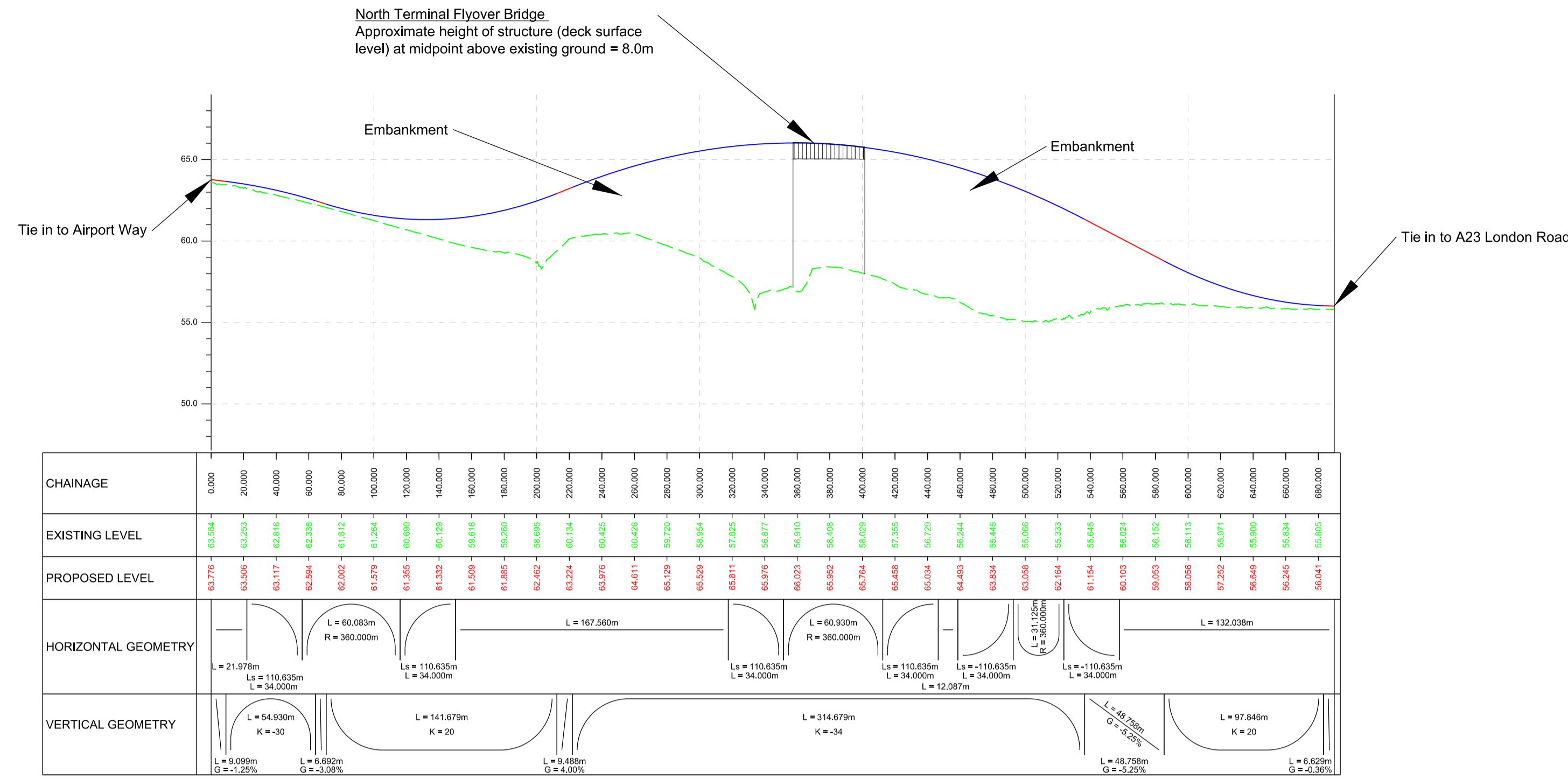
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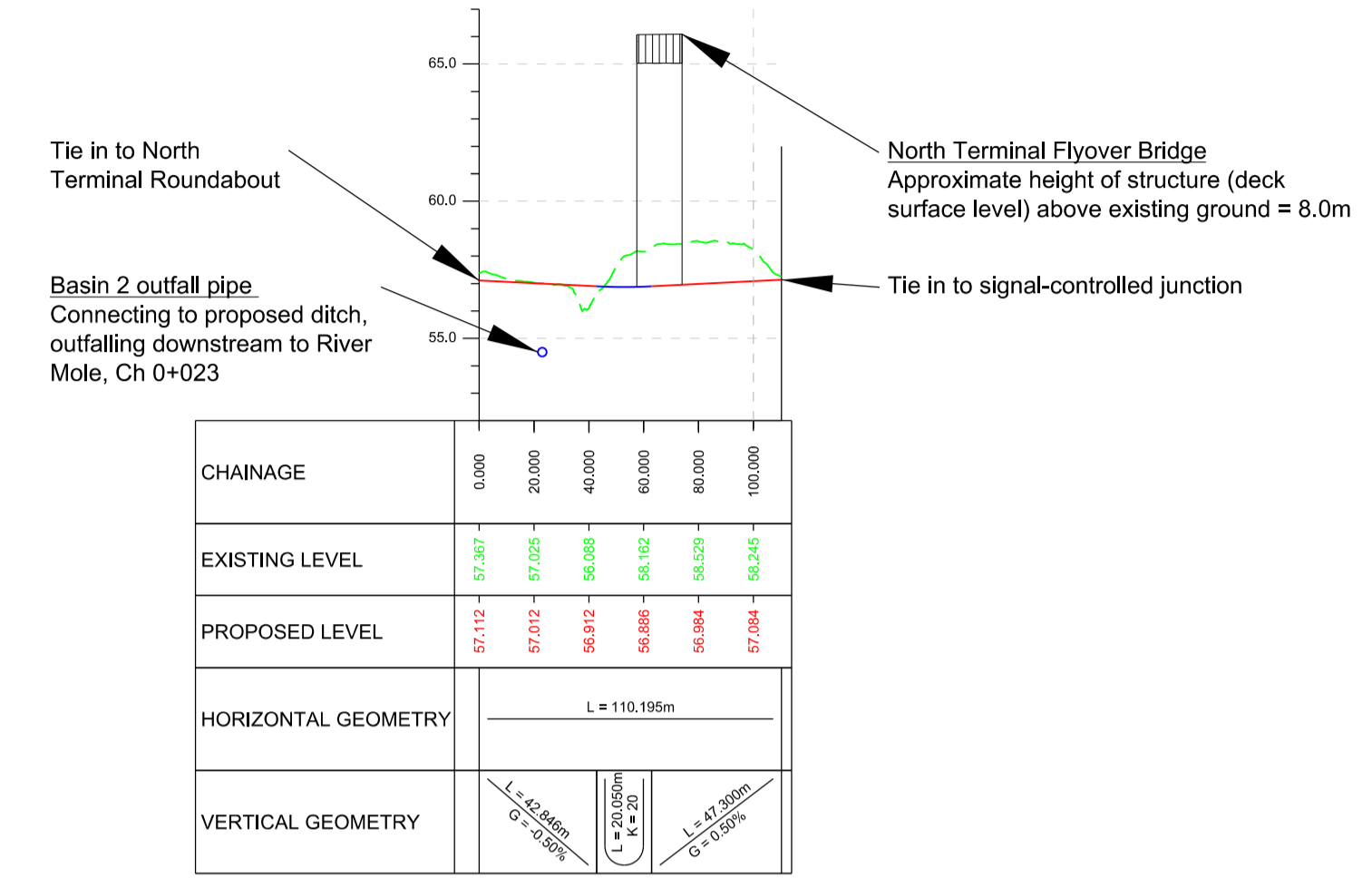
Project Name
Gatwick Airport Northern Runway Project

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

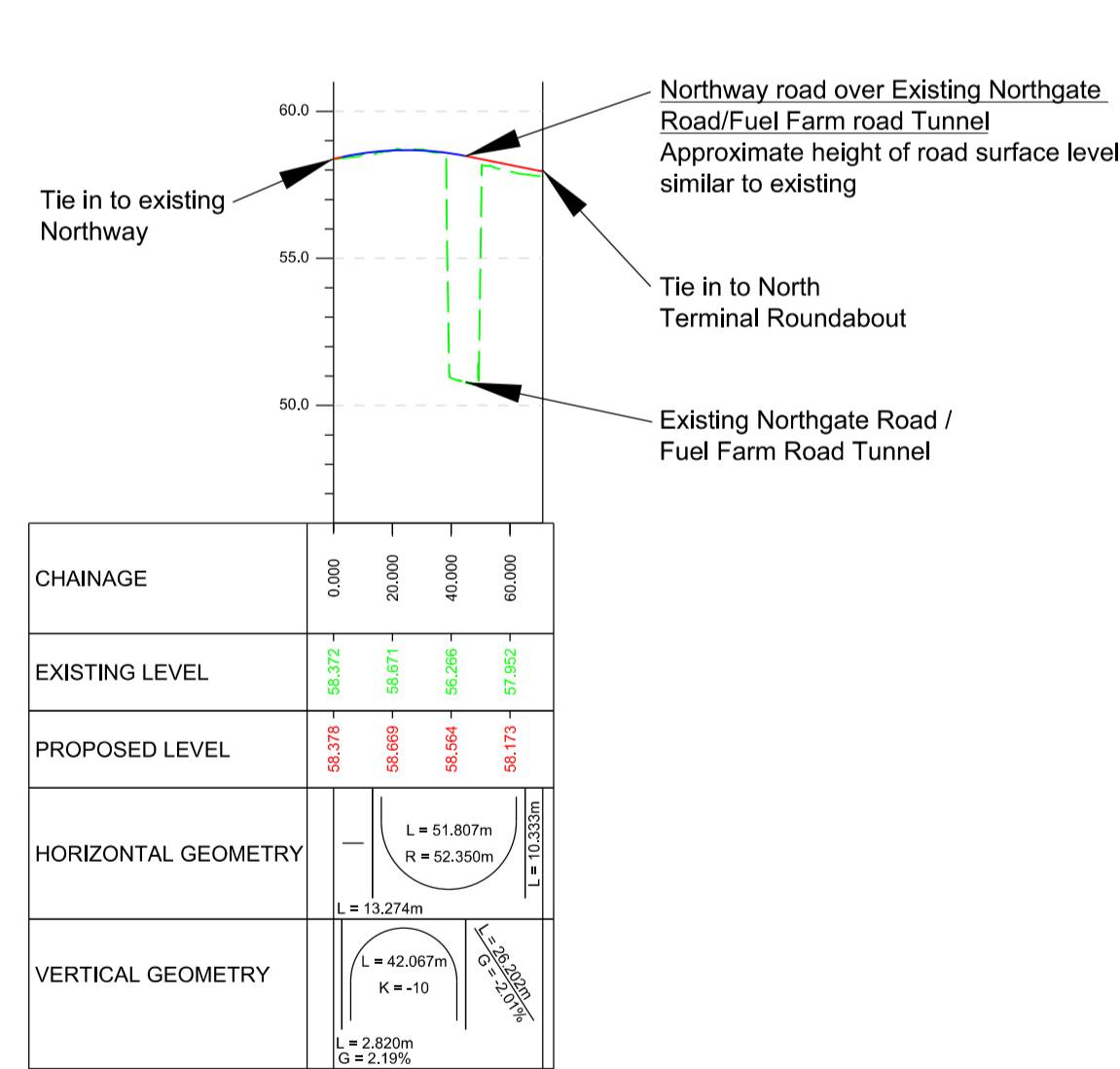
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Checked By JF	Checked Date 31/05/23	Drawn By NW	Reason for Issue DCO Submission
Approved By DA	Approval Date 31/05/23	Project Code-Location-Discipline-Volume-Type-Unique Number 41700- XX -B- LLO- GA - 200165	
Revision		Revision	
P01 1st July 2023 DCO Application		P01	



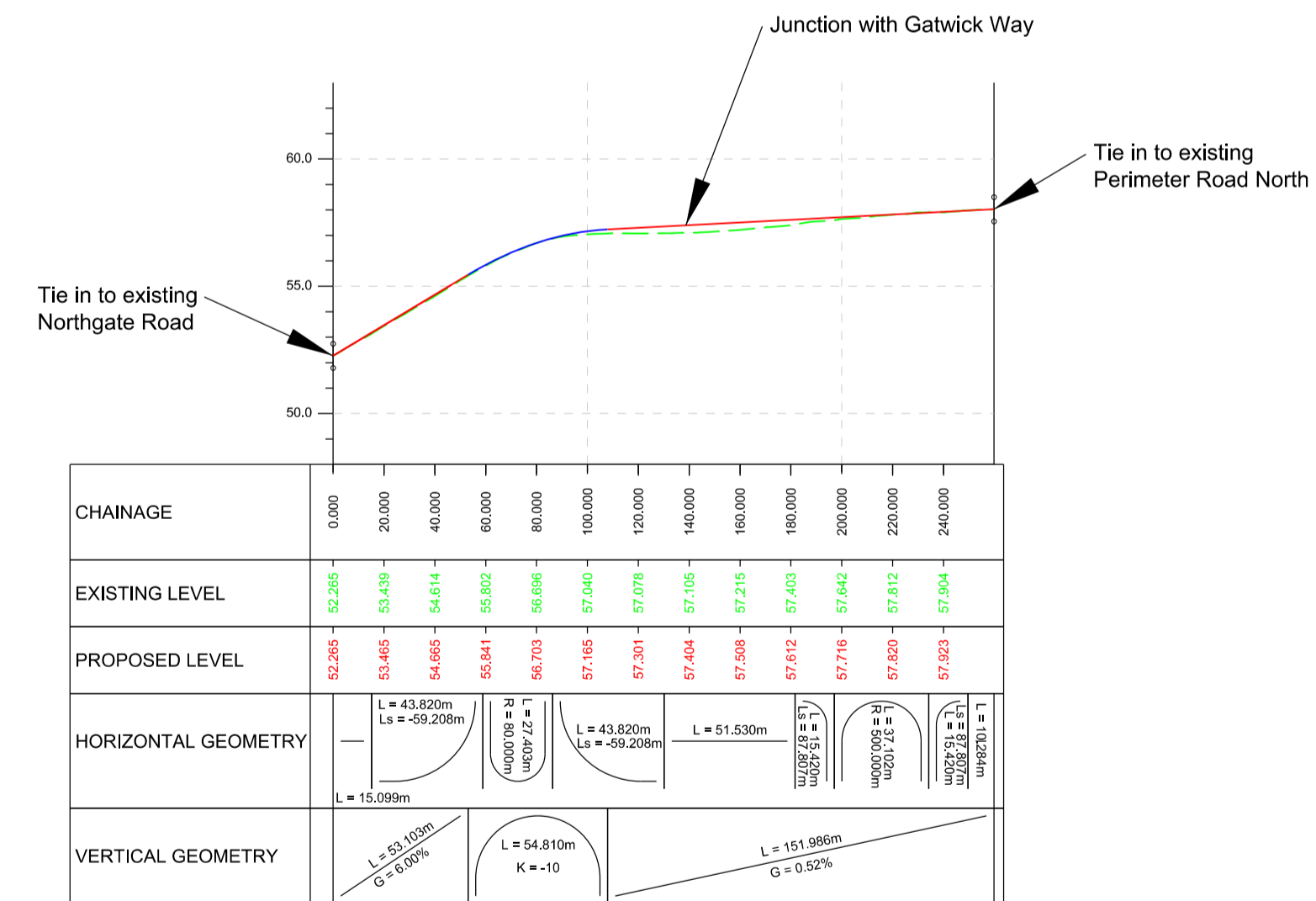
Section 15 - North Terminal Flyover Link



Section 16 - North Terminal Link



Section 17 - Northway

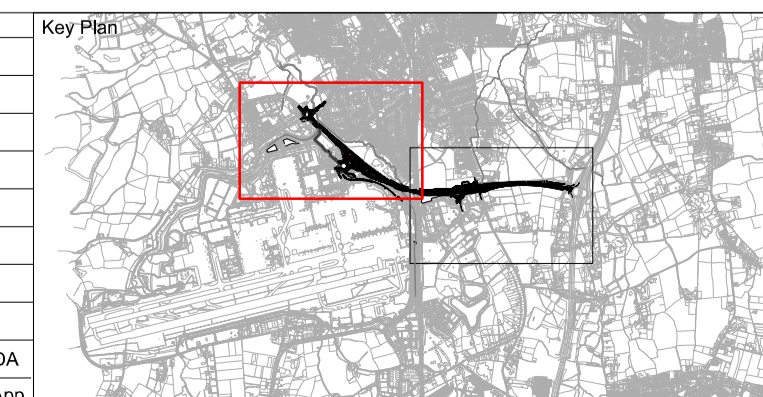


Section 18 - Perimeter Road North

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

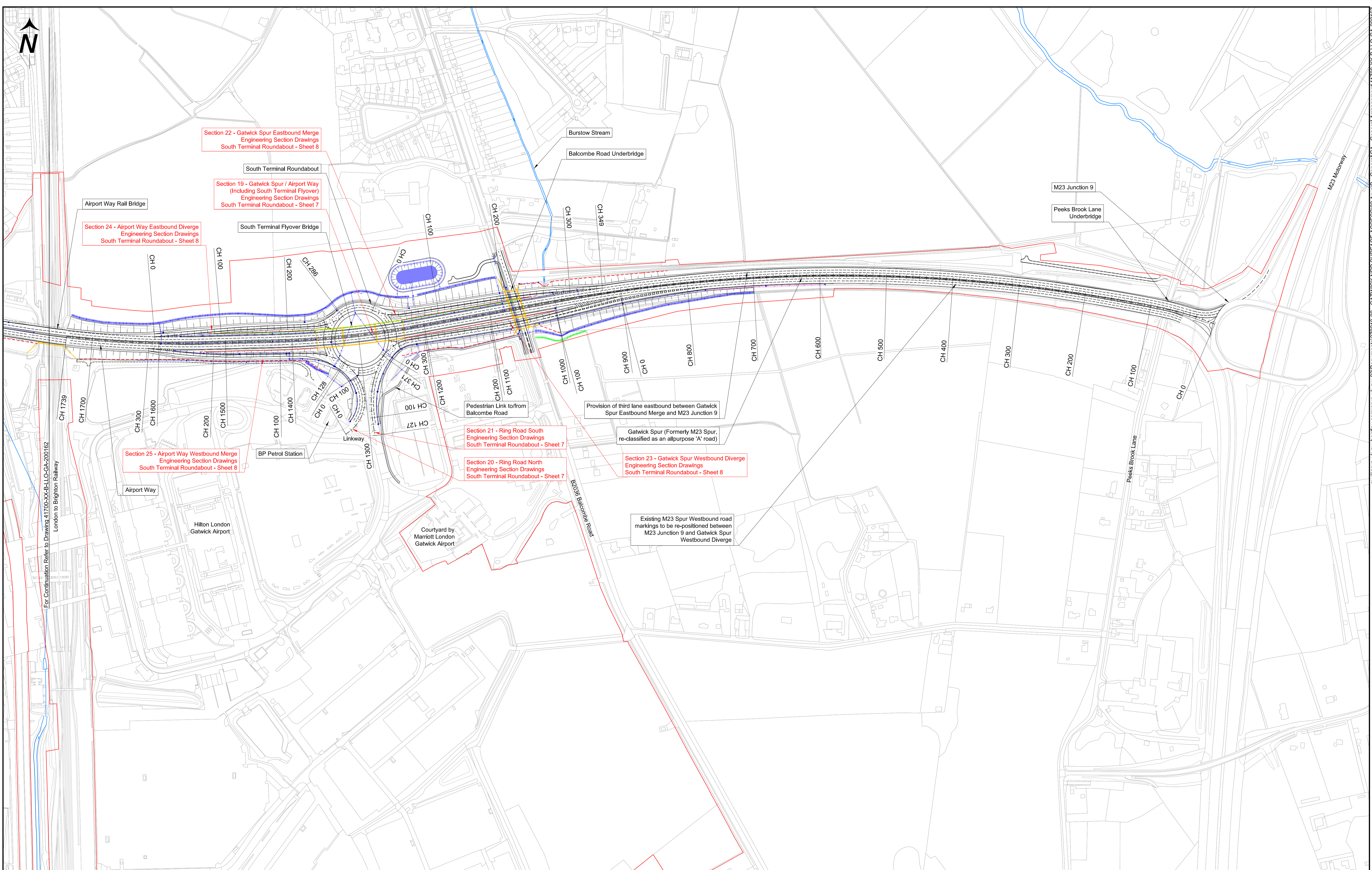
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Project Name
Gatwick Airport Northern Runway Project

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	



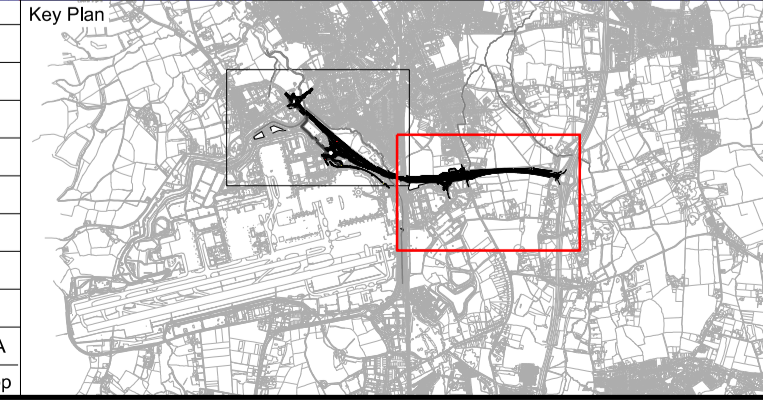
- Notes:**
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Legend:

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

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P01	1 st 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

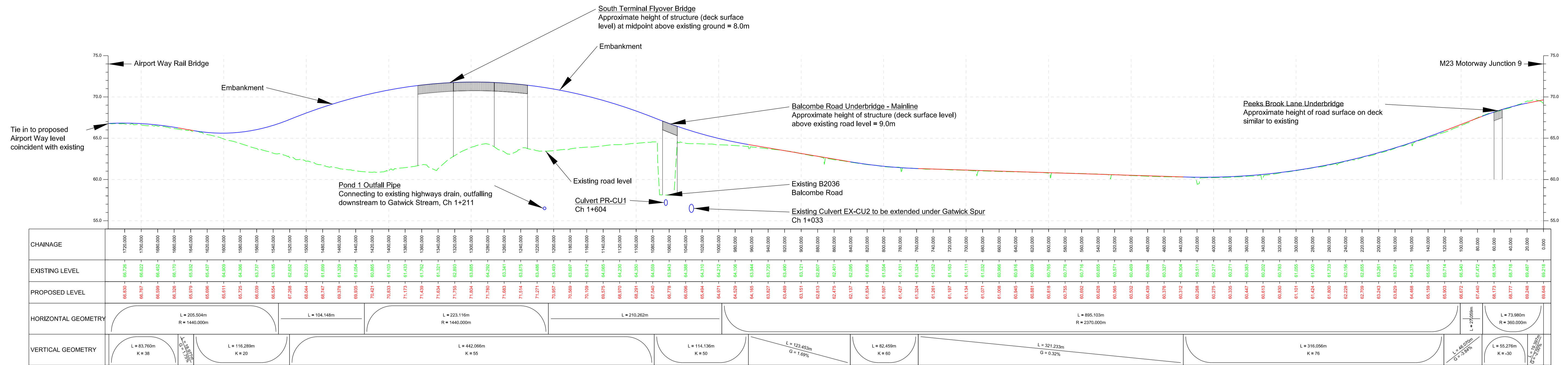
For Approval

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	

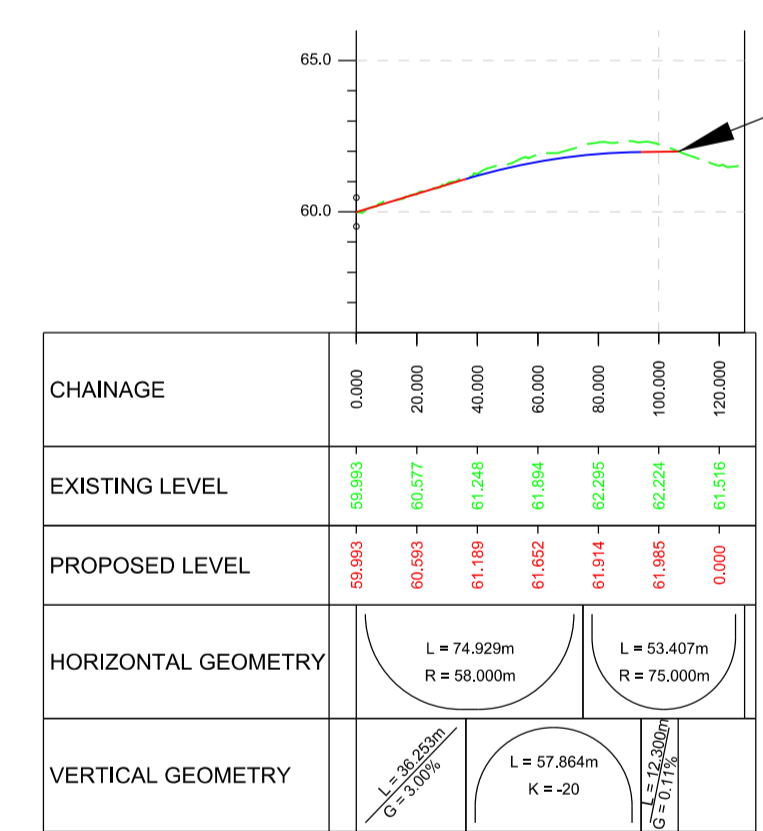
Project Code-Location-Discipline-Volume-Type-Unique Number: **41700- XX -B- LLO- GA - 200167**

Revision: **P01**

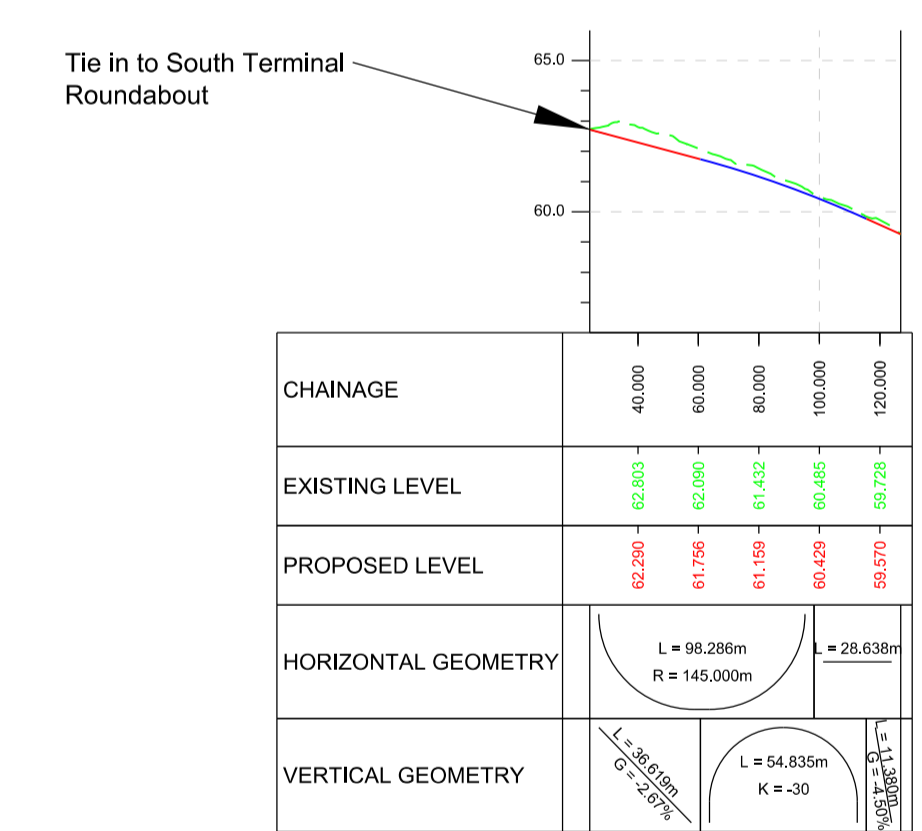
ISO A1 Landscape



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



Section 20 - Ring Road North Profile



Section 21 - Ring Road South Profile

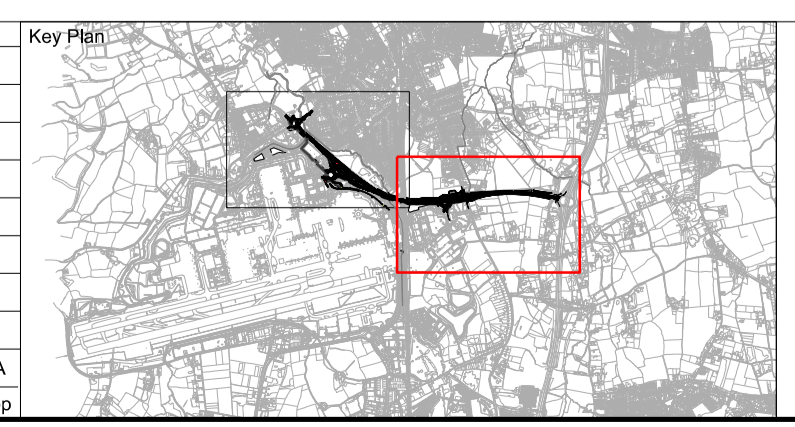
- Notes:
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Legend:

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

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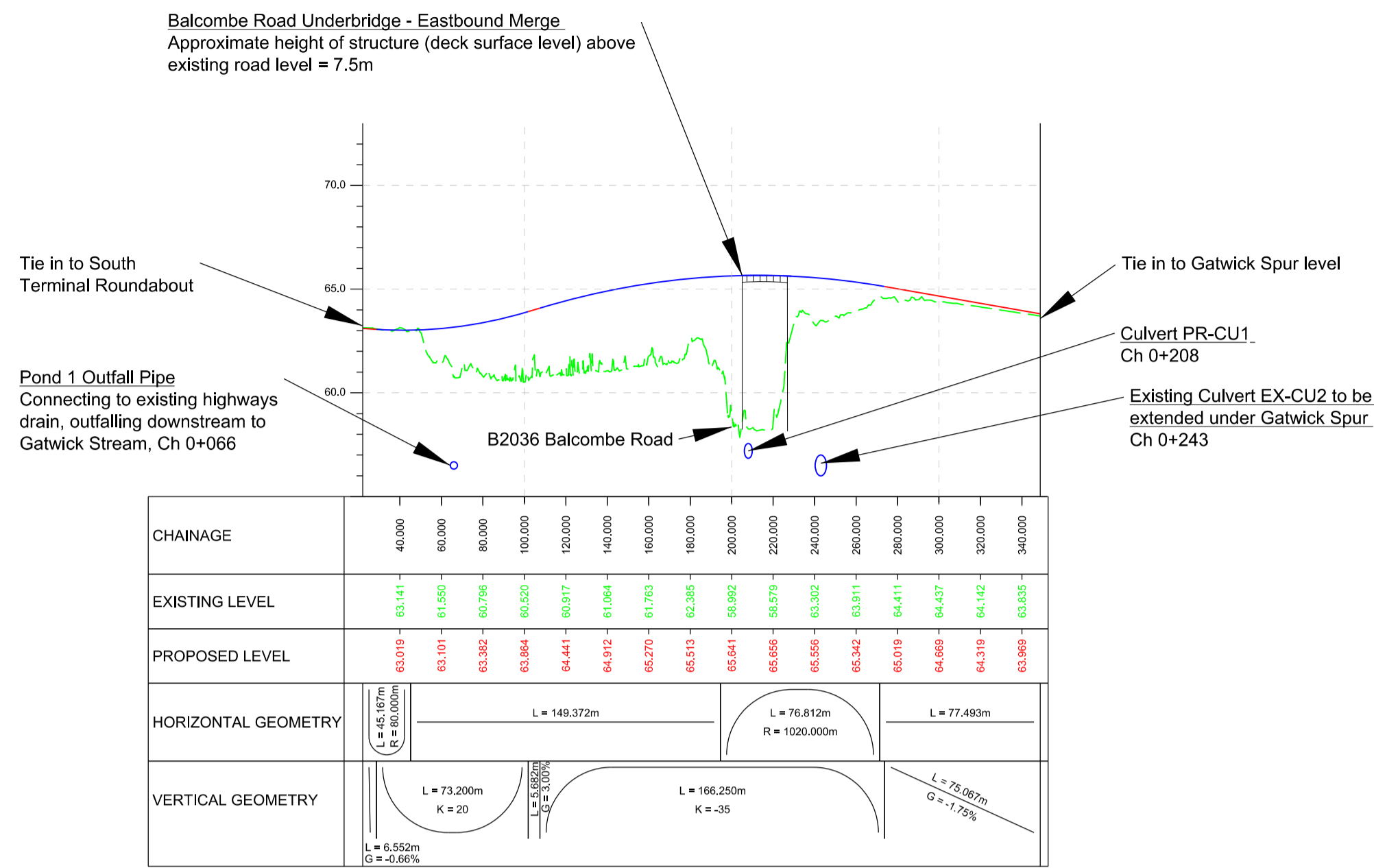
Rev	Date	Revision Description	Dm	Chk	App
P01	1 st July 2023	DCO Application		NW	JF DA



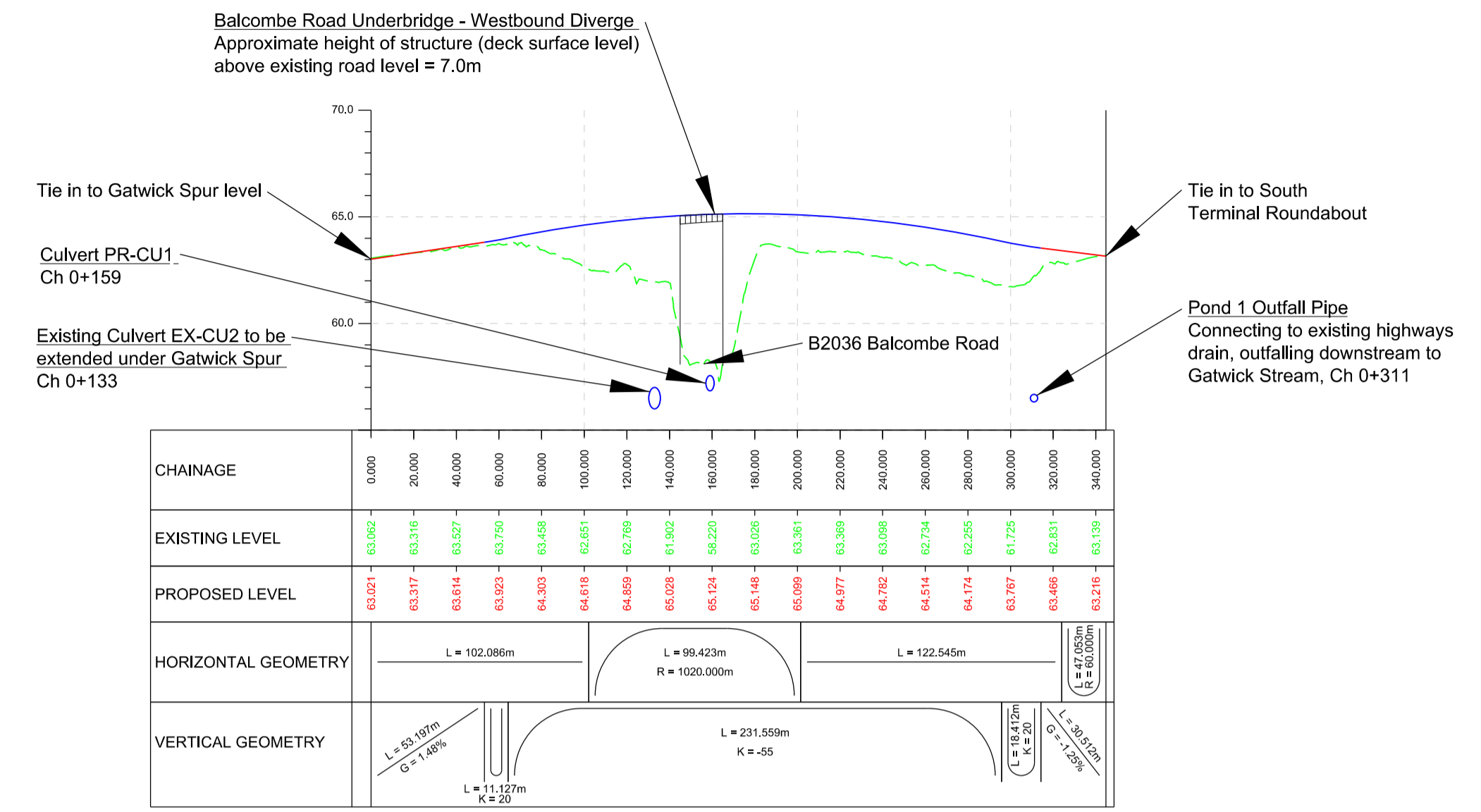
Project Name
Gatwick Airport Northern Runway Project

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

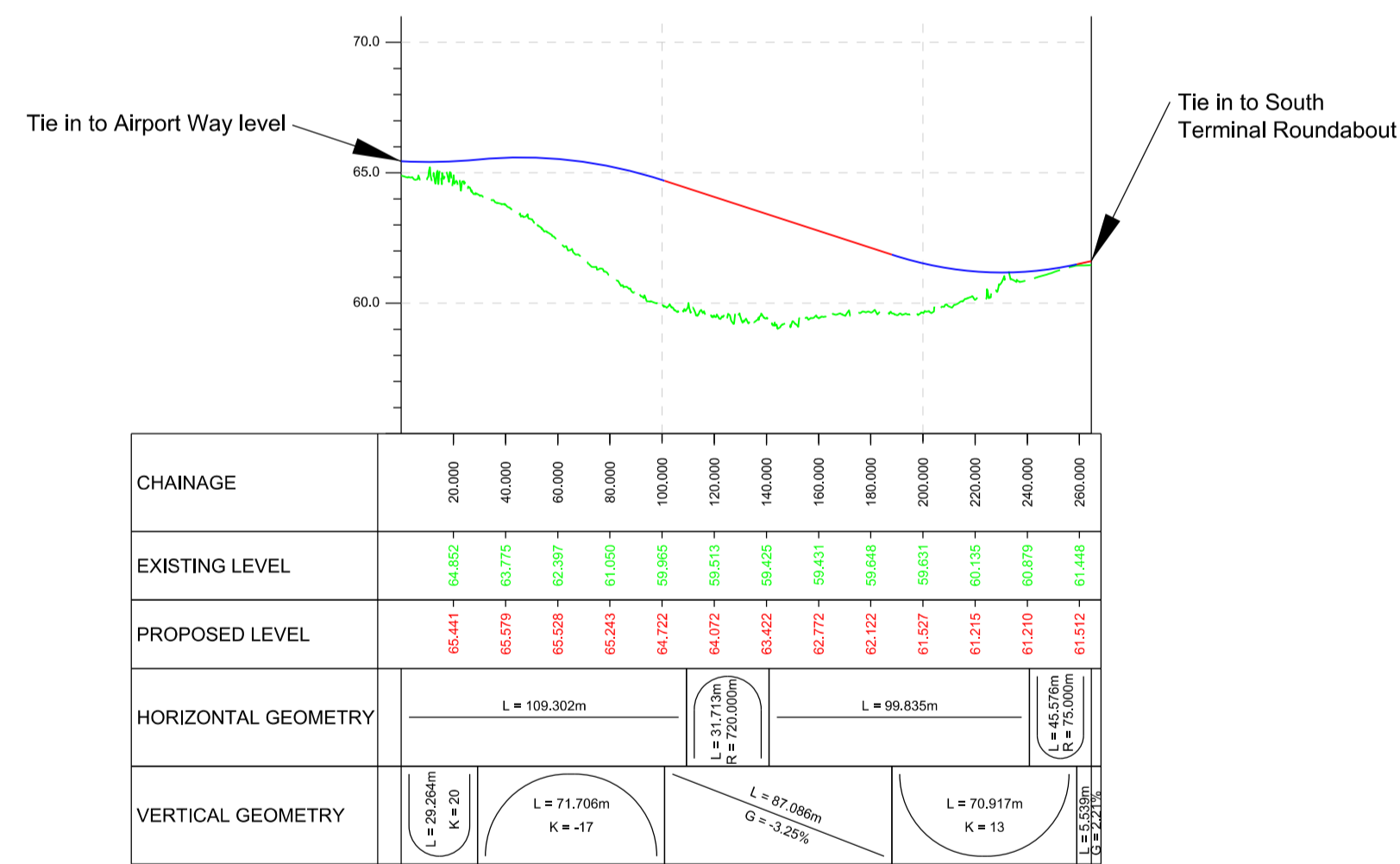
Scale 0 25 50 75 100 125 HORIZONTAL SCALE 1:2500m @ A1 0 5 10 15 20 25 VERTICAL SCALE 1:500m @ A1	For Approval Drawn Date 31/05/23 Status S4
Checked By JF	Checked Date 31/05/23
Approved By DA	Approval Date 31/05/23
Drawn By NW	Reason for Issue DCO Submission
Project Code-Location-Discipline-Volume-Type-Unique Number 41700- XX -B- LLO- GA - 200168	
Revision P01	



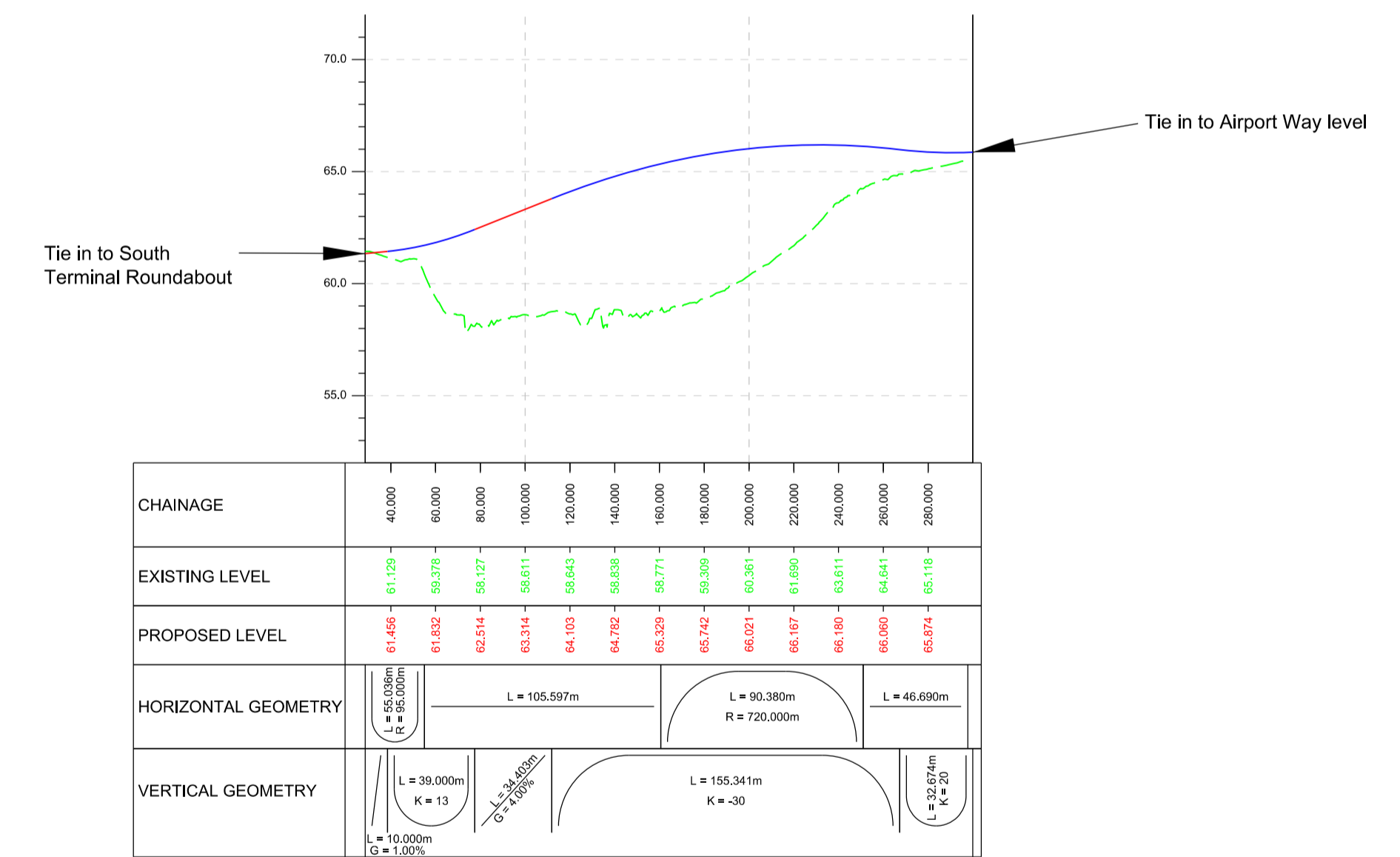
Section 22 - Gatwick Spur Eastbound Merge Profiles



Section 23 - Gatwick Spur Westbound Diverge Profiles



Section 24 - Airport Way Eastbound Diverge Profile



Section 25 - Airport Way Westbound Merge Profile

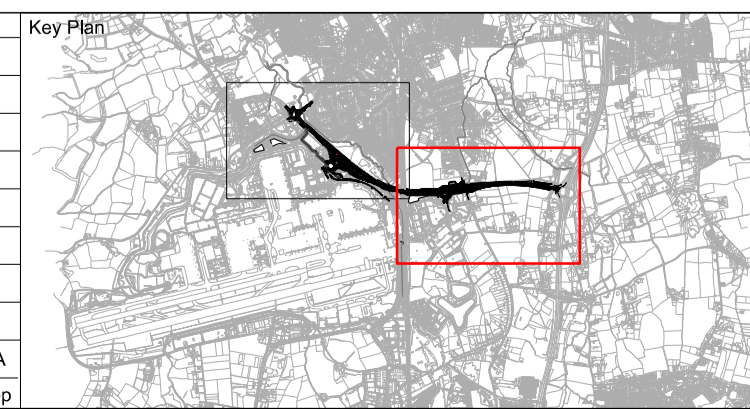
- Notes:
- 1) This drawing shall be read in conjunction with the draft Development Consent Order (DCO) and accompanying application documentation.
 - 2) All dimensions, chainage and levels are in meters unless otherwise stated.
 - 3) Only written dimensions shall be used.
 - 4) L = Length, G = Gradient

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 st 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	

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 31/05/23
Project Code-Location-Discipline-Volume-Type-Unique Number
41700- XX -B- LLO- GA - 200169 P01