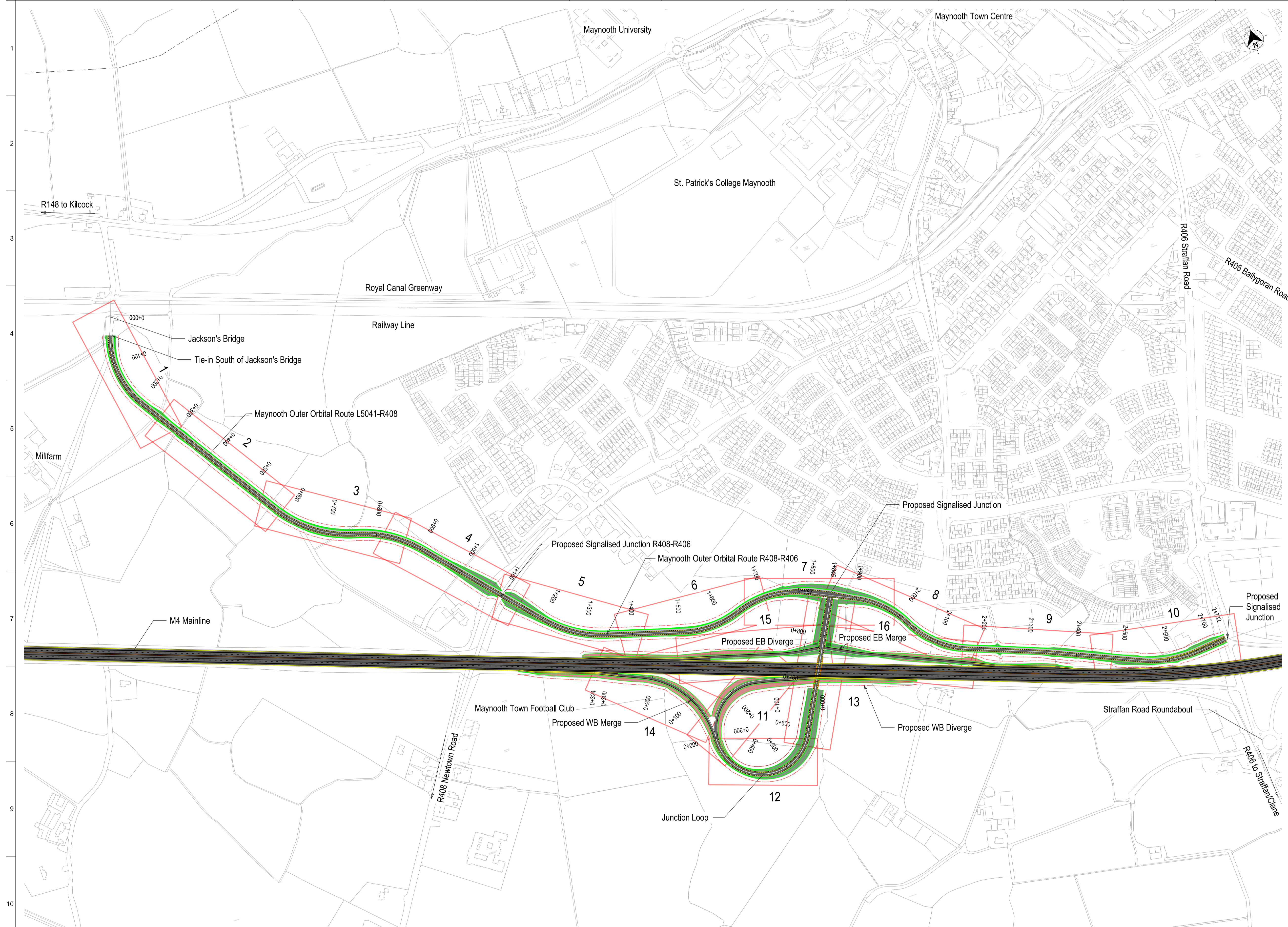




MAYNOOTH TO LEIXLIP PROJECT

Junction 7 Maynooth

**Option 2 – New Junction and Convert Existing Junction to an Overbridge
Plan and Profile Drawings**



FOR INFORMATION

Notes

Clients

Key Plan

Consultant

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Job Title
Maynooth to Leixlip
Project

Scale at A1
1:4000

Role
Civil - Highways

Date
October 2023

P02	05/10/2023	KD	GH	SB
Issued For Information (Status S2)				
P01	21/07/2023	KD	ACC	GH
Issued For Information (Status S2)				
Issue	Date	By	Chkd	Appd

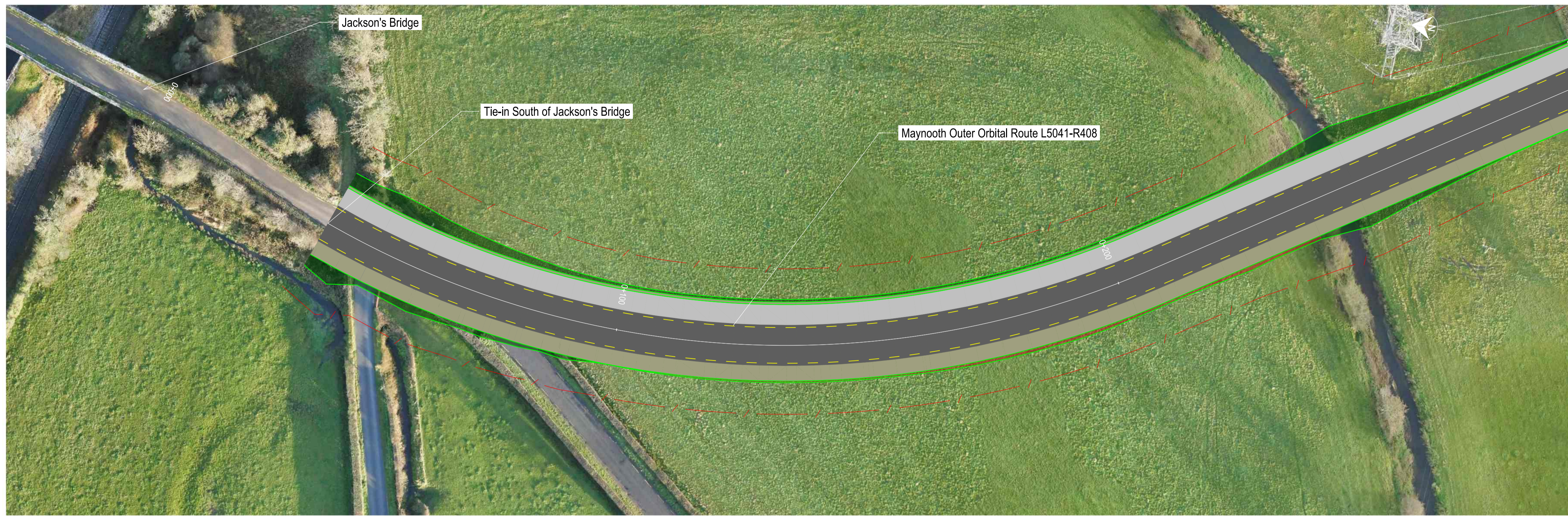
Drawing Title
**Stage 2 Junction 7 Option 2
Keyplan
Sheet 01 of 01**

Suitability
S2 - Suitable for Information

Job No: 272691
Figure ID: []
Rev: P02

Drawing No
272691-ARUP-02-CF-SK-Z-000022





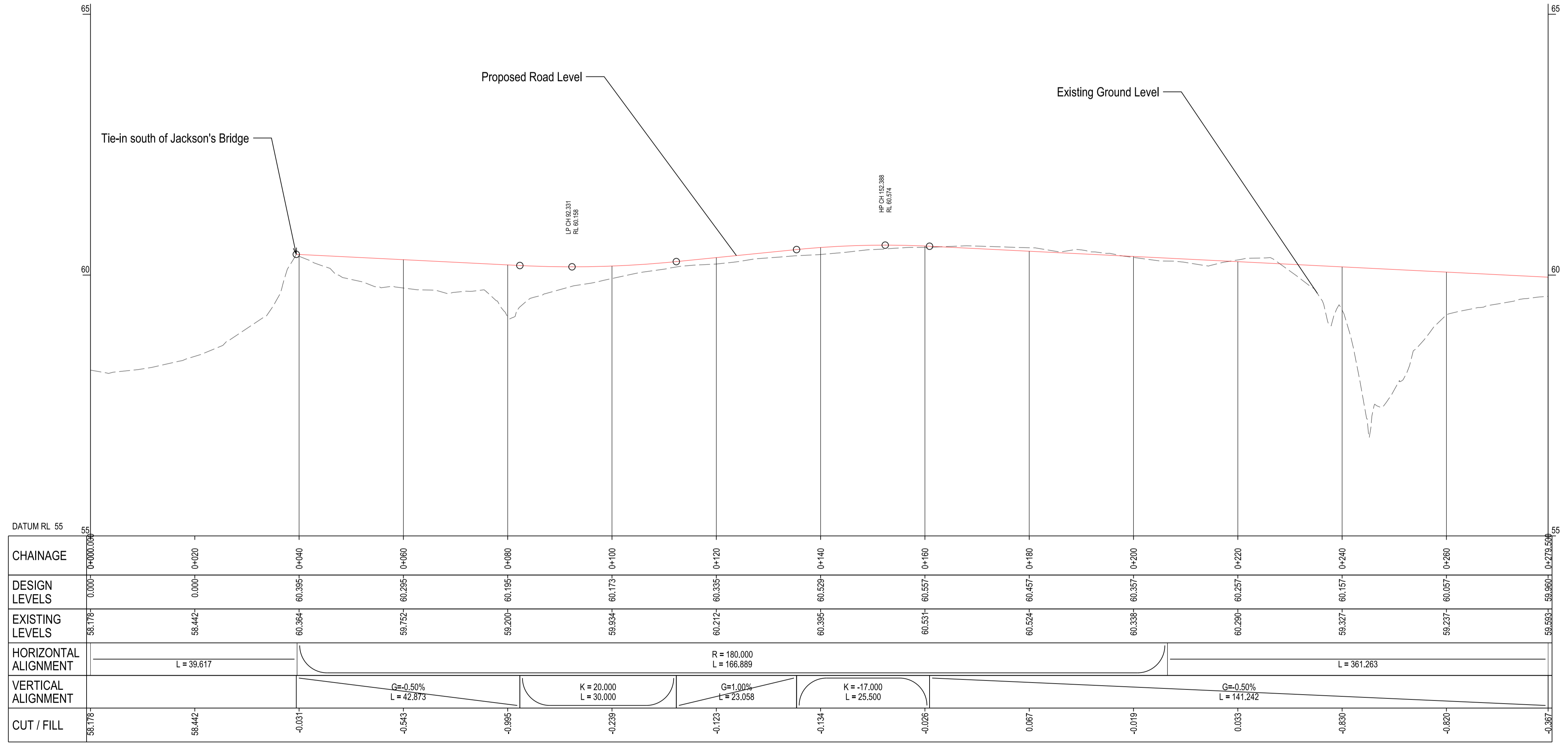
FOR INFORMATION

LEGEND - PLAN

- BITUMINOUS ROADS
- CUT
- FILL
- VERGE
- ACTIVE TRAVEL FACILITY
- BUFFER LINE

CUT VOLUME:
 MOOR L5041-R408 - 4,316m³
 MOOR R408-R406 - 6,051m³
 WB LOOP + EB SLIP ROAD - 39,296m³
 MAINLINE AUX - 12,210m³

FILL VOLUMES:
 MOOR L5041-R408 - 8,085m³
 MOOR R408-R406 - 23,142m³
 WB LOOP + EB SLIP ROAD - 43,177m³
 MAINLINE AUX - 7m³



Notes

Clients



Key Plan

Consultant



Job Title
Maynooth to Leixlip Project



Scale at A1
1:500

Role
Civil - Highways

Date
October 2023

Issue	Date	By	Chkd	Appd
P02	05/10/2023	KD	GH	SB
Issued For Information (Status S2)				
P01	21/07/2023	KD	ACC	GH
Issued For Information (Status S2)				

Drawing Title
Stage 2 Junction 7 Option 2 Plan and Profile Sheet 01 of 16

Suitability
S2 - Suitable for Information

Job No: **272691** Figure ID: **P02** Rev.
 Drawing No: **272691-ARUP-02-CF-SK-Z-000023**

A1

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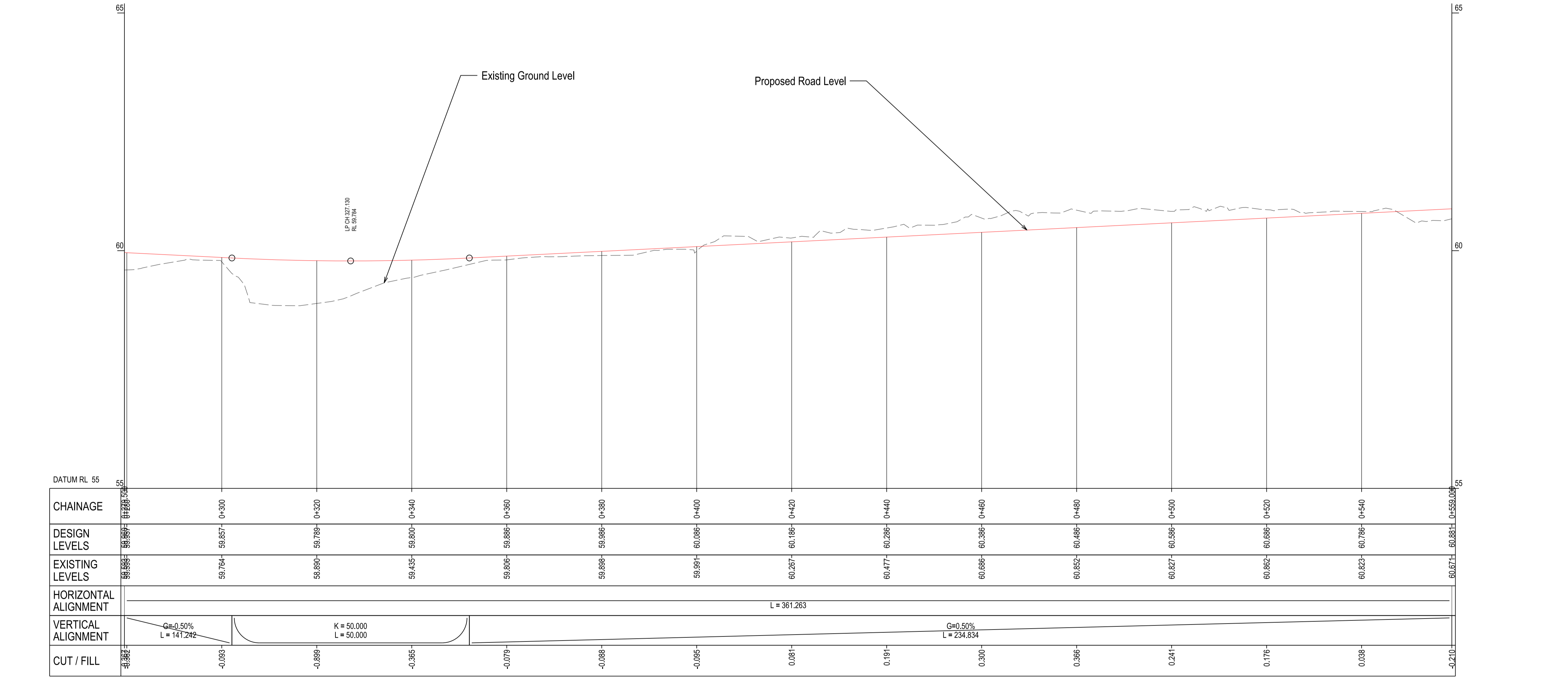


FOR INFORMATION

- LEGEND - PLAN**
- BITUMINOUS ROADS
 - CUT
 - FILL
 - VERGE
 - ACTIVE TRAVEL FACILITY
 - BUFFER LINE

CUT VOLUME:
 MOOR L5041-R408 - 4,316m³
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FILL VOLUMES:
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 MOOR R408-R406 - 23,142m³
 WB LOOP + EB SLIP ROAD - 43,177m³
 MAINLINE AUX - 7m³



Notes

Clients



Key Plan

Consultant



Job Title
Maynooth to Leixlip Project



Scale at A1
1:500

Role
Civil - Highways

Date
October 2023

Issue	Date	By	Chkd	Appd
P02	05/10/2023	KD	GH	SB
Issued For Information (Status S2)				
P01	21/07/2023	KD	ACC	GH
Issued For Information (Status S2)				

Drawing Title
Stage 2 Junction 7 Option 2 Plan and Profile Sheet 02 of 16

Suitability
S2 - Suitable for Information

Job No: **272691** Figure ID: **P02** Rev.
P02

Drawing No
272691-ARUP-02-CF-SK-Z-000024

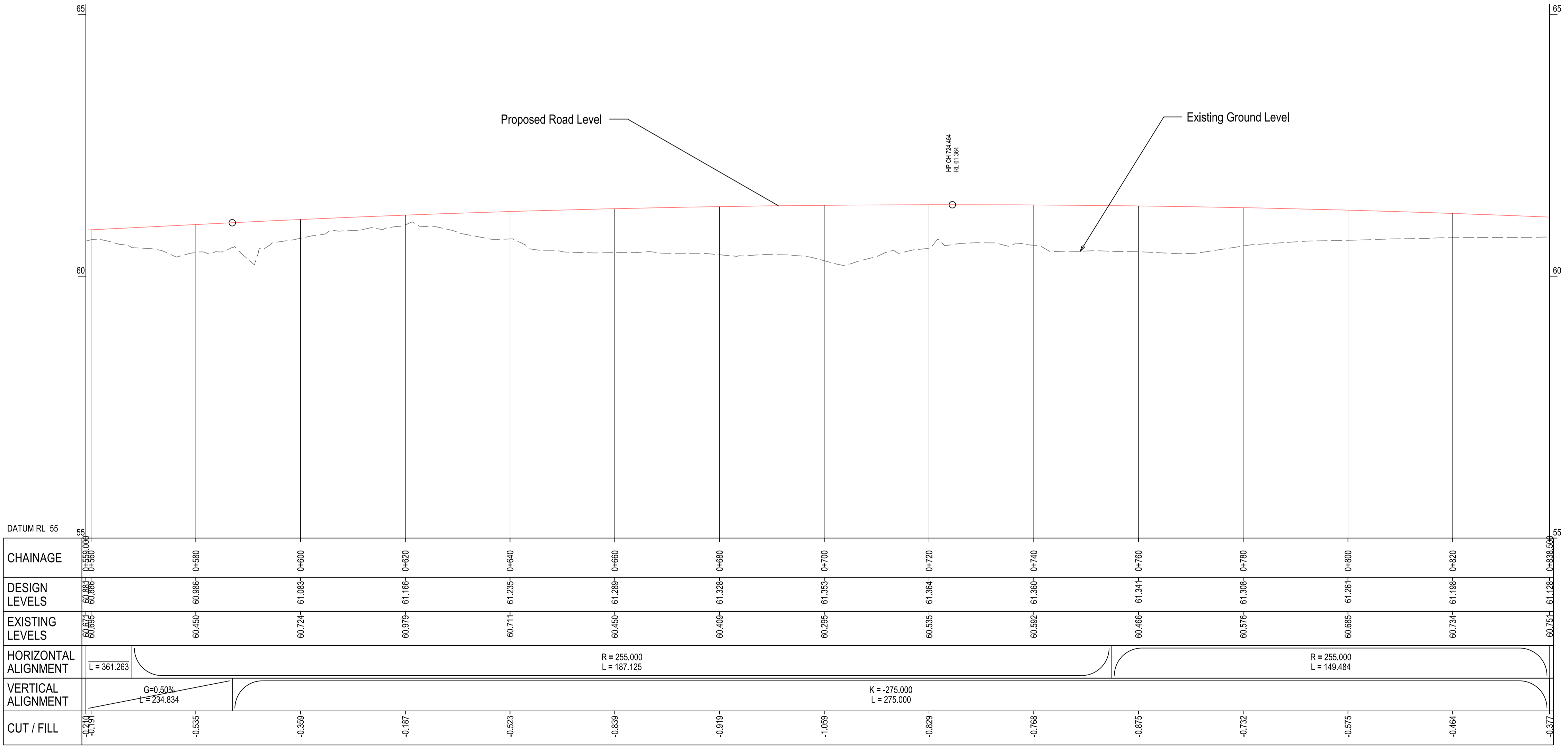
FOR INFORMATION

LEGEND - PLAN

- BITUMINOUS ROADS
- CUT
- FILL
- VERGE
- ACTIVE TRAVEL FACILITY
- BUFFER LINE

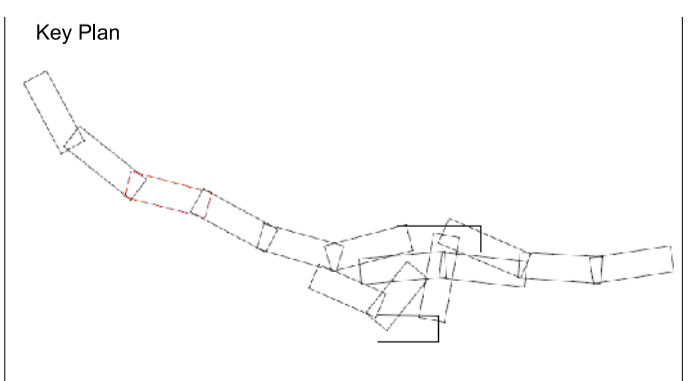
CUT VOLUME:
 MOOR L5041-R408 - 4,316m³
 MOOR R408-R406 - 6,051m³
 WB LOOP + EB SLIP ROAD - 39,296m³
 MAINLINE AUX - 12,210m³

FILL VOLUMES:
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 MOOR R408-R406 - 23,142m³
 WB LOOP + EB SLIP ROAD - 43,177m³
 MAINLINE AUX - 7m³



Notes

Clients



Consultant

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Job Title
Maynooth to Leixlip Project

Scale at A1: 1:500

Role: Civil - Highways

Date: October 2023

P02	05/10/2023	KD	GH	SB
Issued For Information (Status S2)				
P01	21/07/2023	KD	ACC	GH
Issued For Information (Status S2)				
Issue	Date	By	Chkd	Appd

Drawing Title
Stage 2 Junction 7 Option 2
Plan and Profile
Sheet 03 of 16

S2 - Suitable for Information

Job No: 272691 Figure ID: Rev. P02

Drawing No: 272691-ARUP-02-CF-SK-Z-000025

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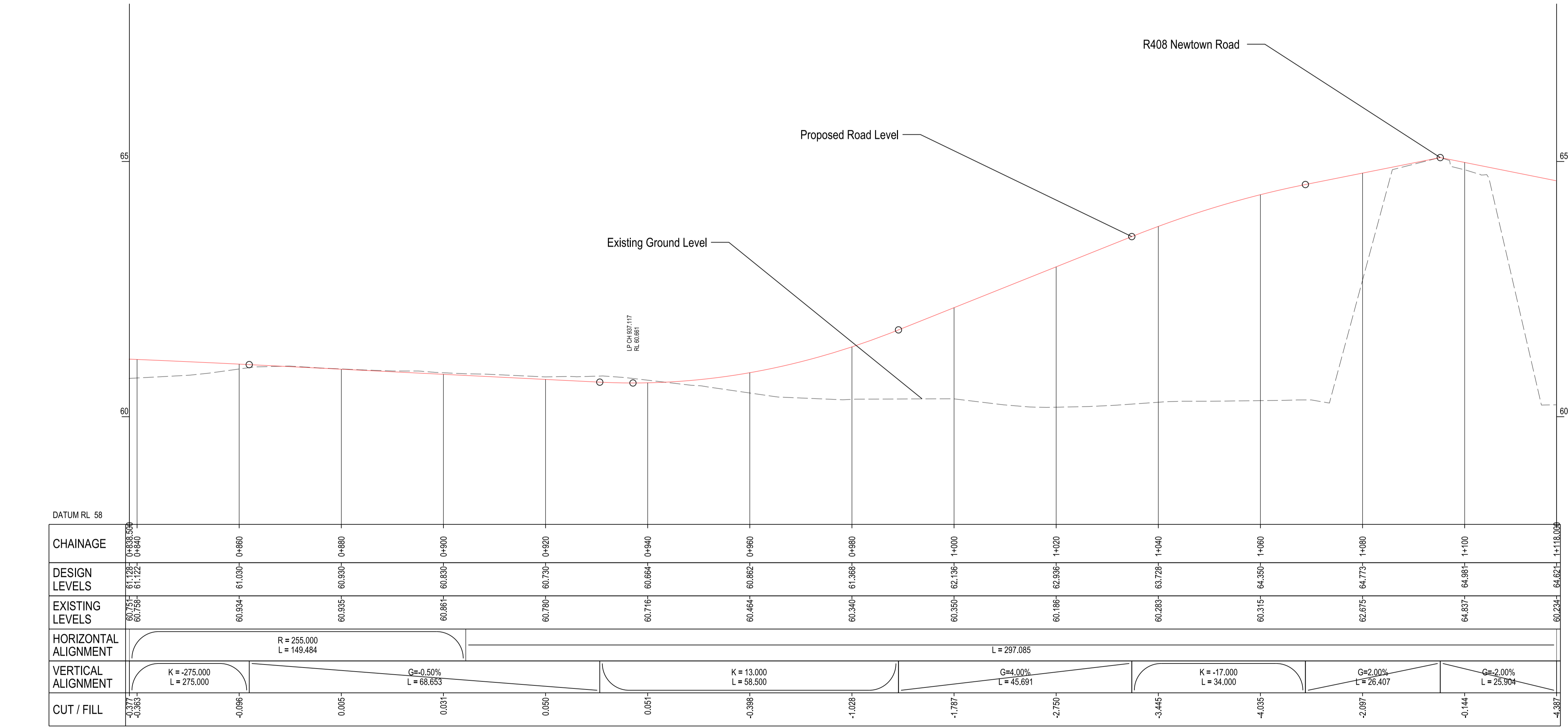


FOR INFORMATION

- LEGEND - PLAN**
- BITUMINOUS ROADS
 - CUT
 - FILL
 - VERGE
 - ACTIVE TRAVEL FACILITY
 - BUFFER LINE

CUT VOLUME:
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FILL VOLUMES:
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 WB LOOP + EB SLIP ROAD - 43,177m³
 MAINLINE AUX - 7m³



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Job Title
Maynooth to Leixlip Project

Scale at A1
1:500

Role
Civil - Highways

Date
October 2023

Issue	Date	By	Chkd	Appd
P02	05/10/2023	KD	GH	SB
Issued For Information (Status S2)				
P01	21/07/2023	KD	ACC	GH
Issued For Information (Status S2)				

Drawing Title
Stage 2 Junction 7 Option 2
Plan and Profile
Sheet 04 of 16

S2 - Suitable for Information

Job No: **272691** Figure ID: **P02** Rev. **P02**

Drawing No: **272691-ARUP-02-CF-SK-Z-000026**

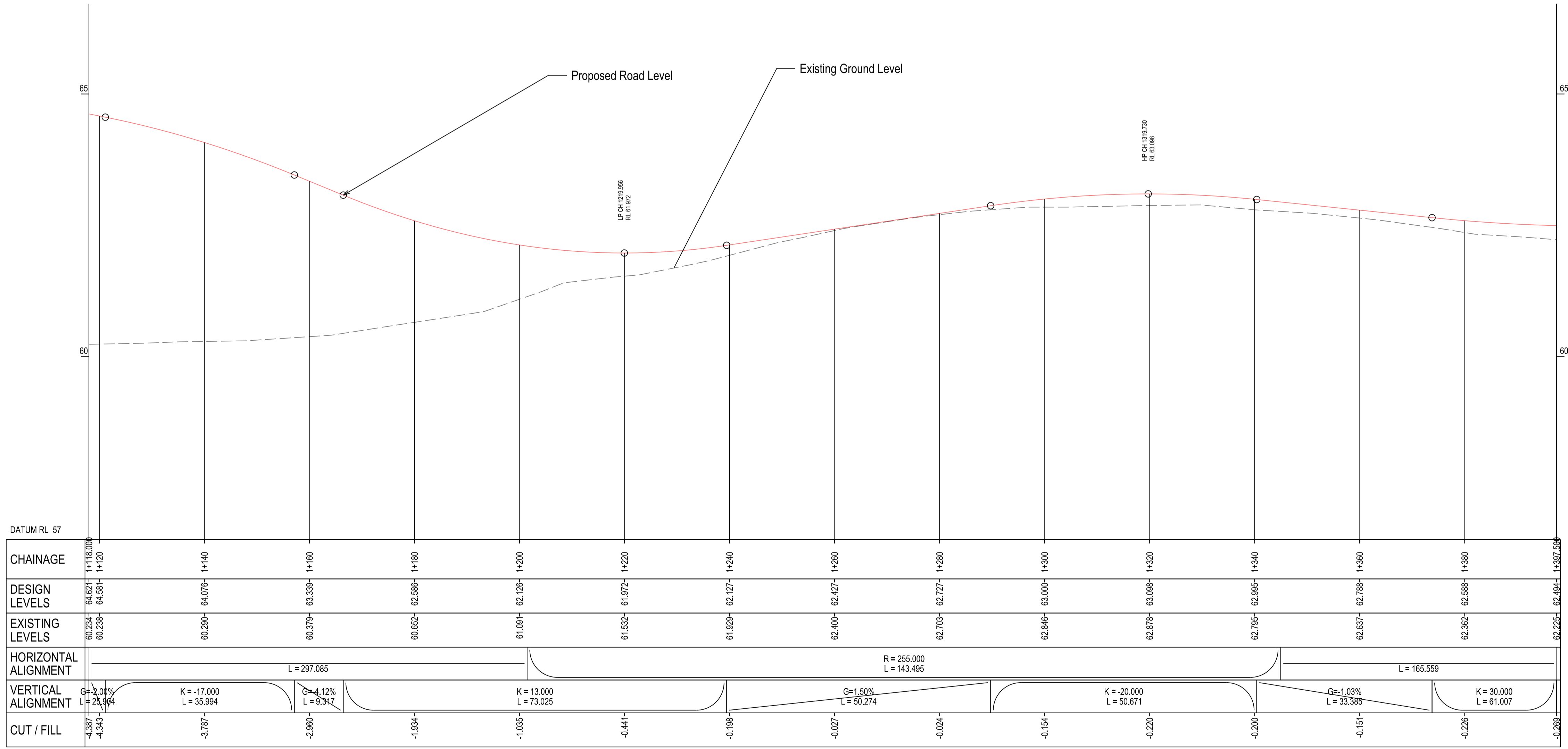


FOR INFORMATION

- LEGEND - PLAN**
- BITUMINOUS ROADS
 - CUT
 - FILL
 - VERGE
 - ACTIVE TRAVEL FACILITY
 - BUFFER LINE

CUT VOLUME:
 MOOR L5041-R408 - 4.316m³
 MOOR R408-R406 - 6.051m³
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 WB LOOP + EB SLIP ROAD - 43.177m³
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Notes

Do not scale

Clients



Key Plan



Consultant



Job Title

Maynooth to Leixlip Project
 Scale at A1: 1:500
 Role: Civil - Highways
 Date: October 2023



Issue	Date	By	Chkd	Appd
P02	05/10/2023	KD	GH	SB
Issued For Information (Status S2)				
P01	21/07/2023	KD	ACC	GH
Issued For Information (Status S2)				

Drawing Title

Stage 2 Junction 7 Option 2
 Plan and Profile
 Sheet 05 of 16
 Suitability: **S2 - Suitable for Information**
 Job No: 272691
 Figure ID: [blank]
 Rev: P02
 Drawing No: 272691-ARUP-02-CF-SK-Z-000027



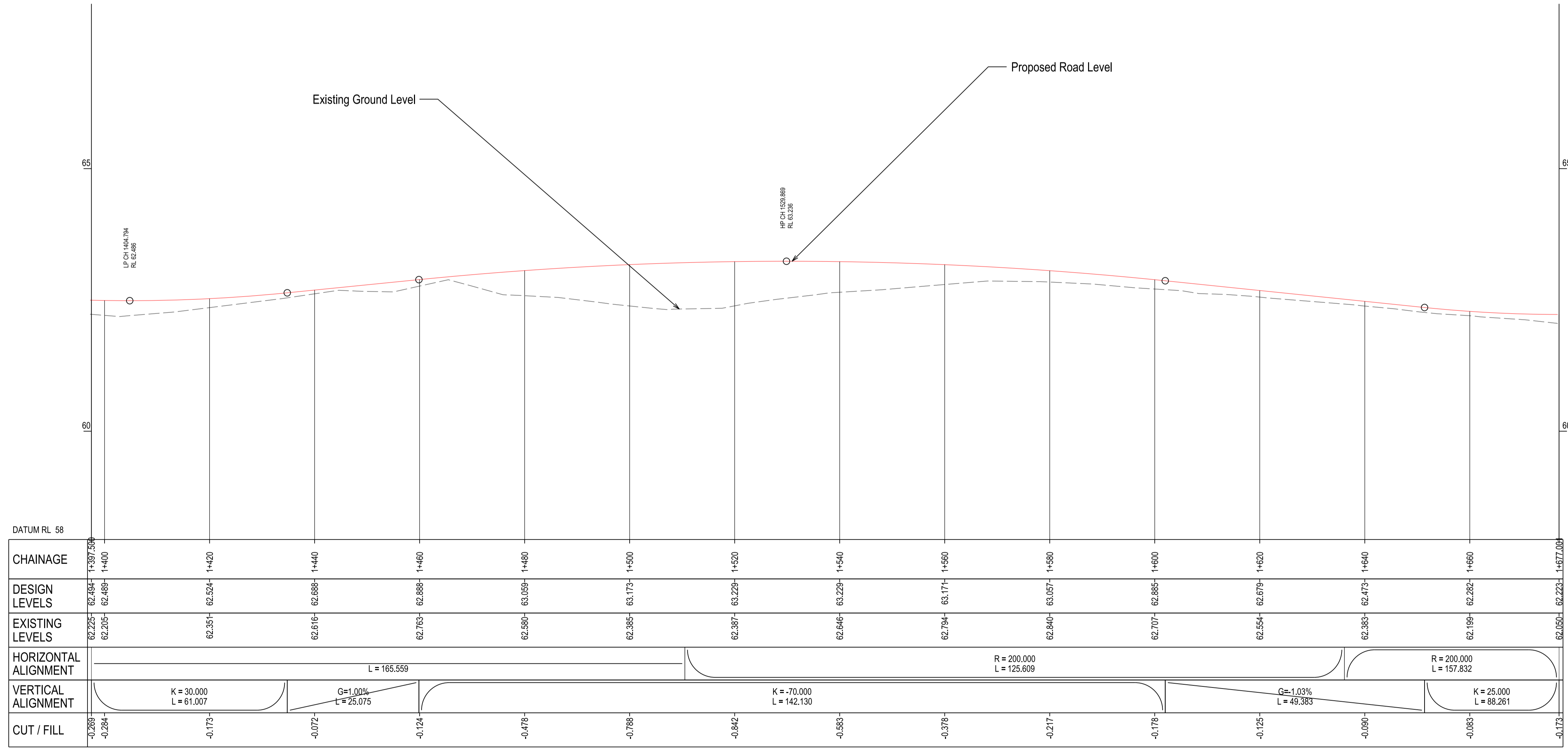
FOR INFORMATION

LEGEND - PLAN

- BITUMINOUS ROADS
- CUT
- FILL
- VERGE
- ACTIVE TRAVEL FACILITY
- BUFFER LINE

CUT VOLUME:
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 MOOR R408-R406 - 23,142m³
 WB LOOP + EB SLIP ROAD - 43,177m³
 MAINLINE AUX - 7m³



Notes

Clients



Key Plan

Consultant



Job Title
Maynooth to Leixlip Project



Scale at A1
1:500

Role
Civil - Highways

Date
October 2023

Issue	Date	By	Chkd	Appd
P02	05/10/2023	KD	GH	SB
Issued For Information (Status S2)				
P01	21/07/2023	KD	ACC	GH
Issued For Information (Status S2)				

Drawing Title
Stage 2 Junction 7 Option 2 Plan and Profile Sheet 06 of 16

Suitability
S2 - Suitable for Information

Job No: **272691** Figure ID: **P02** Rev.
P02

Drawing No
272691-ARUP-02-CF-SK-Z-000028

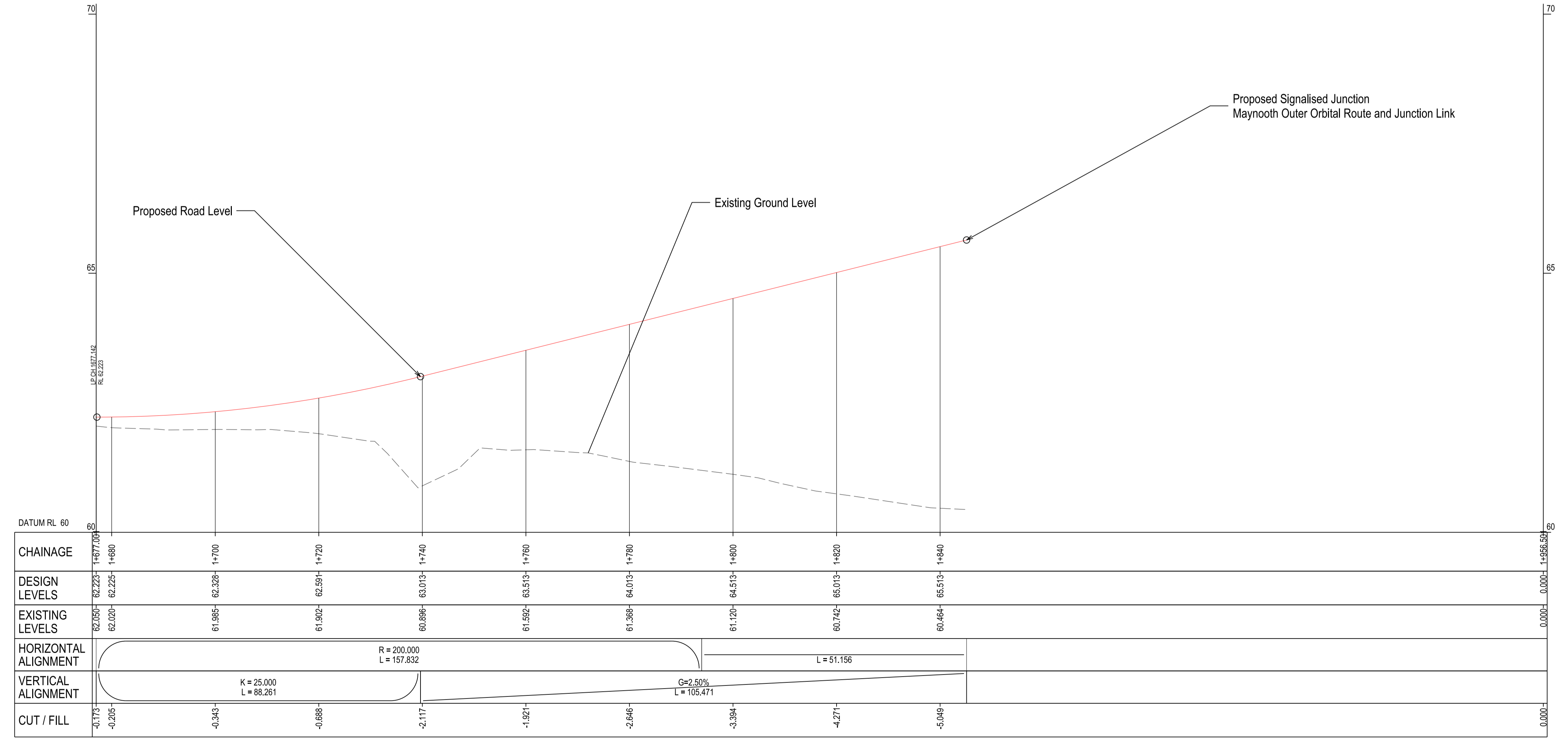


FOR INFORMATION

- LEGEND - PLAN**
- BITUMINOUS ROADS
 - CUT
 - FILL
 - VERGE
 - ACTIVE TRAVEL FACILITY
 - BUFFER LINE

CUT VOLUME:
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 MOOR R408-R406 - 6,051m³
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 MAINLINE AUX - 12,210m³

FILL VOLUMES:
 MOOR L5041-R408 - 8,085m³
 MOOR R408-R406 - 23,142m³
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 MAINLINE AUX - 7m³



Notes

Clients



Key Plan

Consultant



Job Title
 Maynooth to Leixlip Project



Scale at A1
 1:500
 Role
 Civil - Highways
 Date
 October 2023

P02	05/10/2023	KD	GH	SB
Issued For Information (Status S2)				
P01	21/07/2023	KD	ACC	GH
Issued For Information (Status S2)				
Issue	Date	By	Chkd	Appd

Drawing Title
**Stage 2 Junction 7 Option 2
 Plan and Profile
 Sheet 07 of 16**

Suitability
S2 - Suitable for Information

Job No: **272691** Figure ID: Rev. **P02**

Drawing No
272691-ARUP-02-CF-SK-Z-000029

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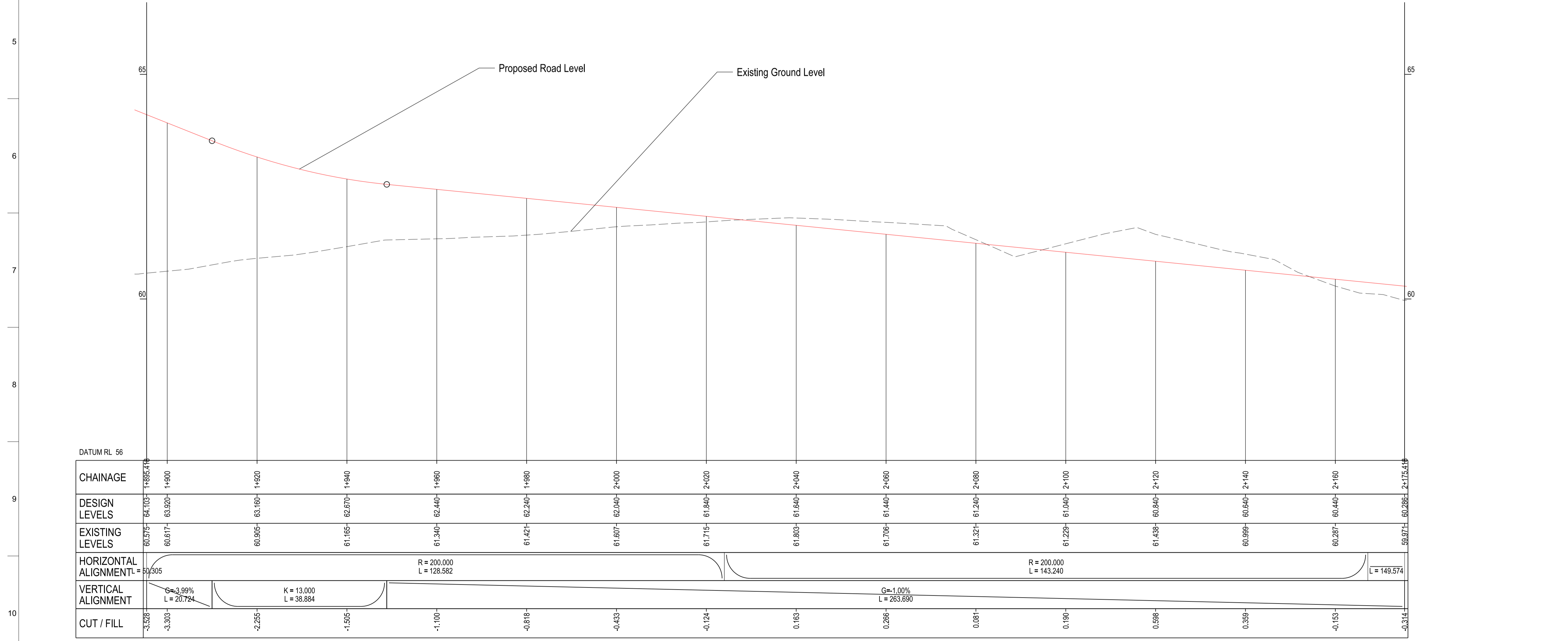


FOR INFORMATION

- LEGEND - PLAN**
- BITUMINOUS ROADS
 - CUT
 - FILL
 - VERGE
 - ACTIVE TRAVEL FACILITY
 - BUFFER LINE

CUT VOLUME:
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FILL VOLUMES:
 MOOR L5041-R408 - 8,085m³
 MOOR R408-R406 - 23,142m³
 WB LOOP + EB SLIP ROAD - 43,177m³
 MAINLINE AUX - 7m³



Notes

Clients



Key Plan

Consultant



Job Title
Maynooth to Leixlip Project



Scale at A1
1:500

Role
Civil - Highways

Date
October 2023

Issue	Date	By	Chkd	Appd
P02	05/10/2023	KD	GH	SB
Issued For Information (Status S2)				
P01	21/07/2023	KD	ACC	GH
Issued For Information (Status S2)				

Drawing Title
Stage 2 Junction 7 Option 2 Plan and Profile Sheet 08 of 16

Suitability
S2 - Suitable for Information

Job No: **272691** Figure ID: **P02** Rev.
 Drawing No: **272691-ARUP-02-CF-SK-Z-000030**

Do not scale

© Arup

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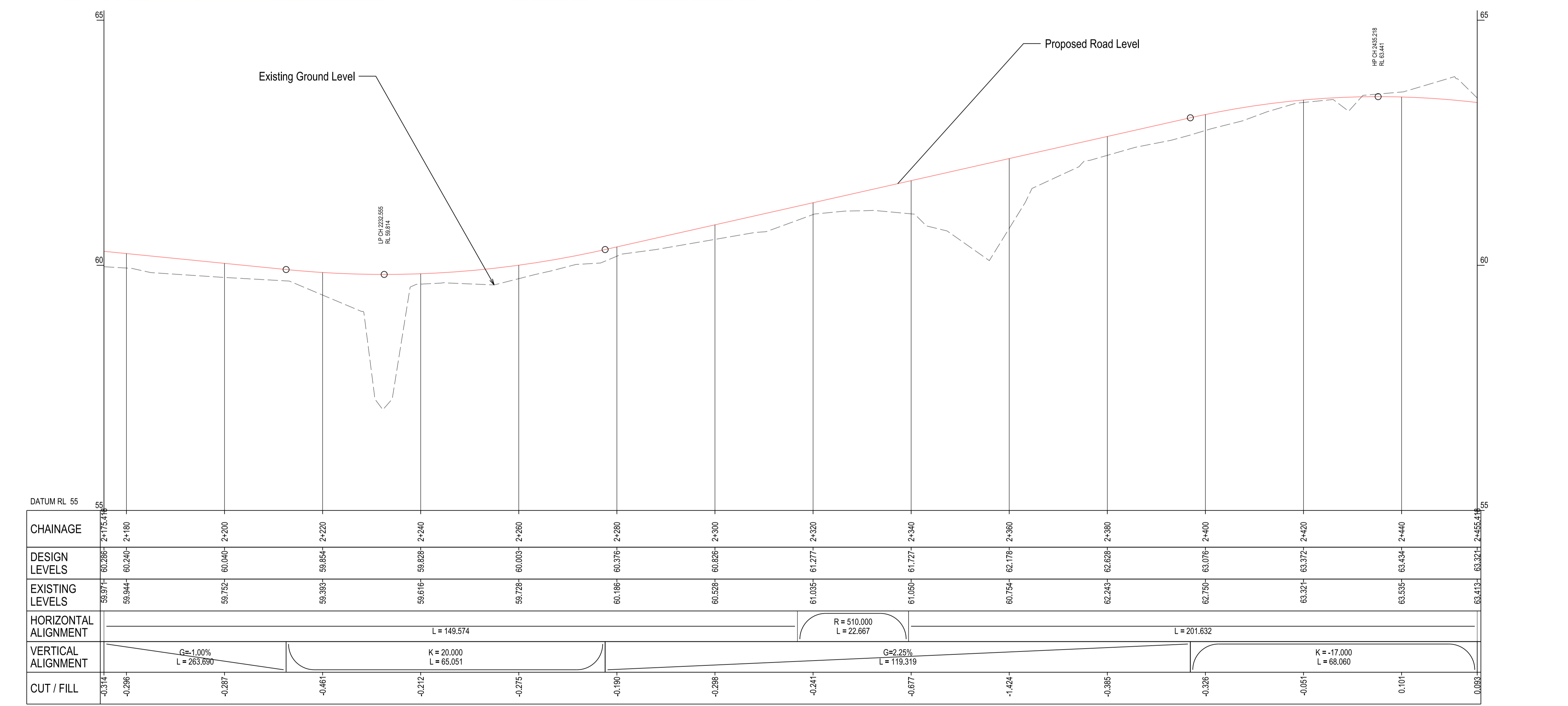


FOR INFORMATION

- LEGEND - PLAN**
- BITUMINOUS ROADS
 - CUT
 - FILL
 - VERGE
 - ACTIVE TRAVEL FACILITY
 - BUFFER LINE

CUT VOLUME:
 MOOR L5041-R408 - 4.316m³
 MOOR R408-R406 - 6.051m³
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 MOOR R408-R406 - 23.142m³
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 MAINLINE AUX - 7m³



Notes

Clients



Key Plan

Consultant



Job Title
Maynooth to Leixlip Project



Scale at A1
1:500

Role
Civil - Highways

Date
October 2023

Issue	Date	By	Chkd	Appd
P02	05/10/2023	KD	GH	SB
Issued For Information (Status S2)				
P01	21/07/2023	KD	ACC	GH
Issued For Information (Status S2)				

Drawing Title
Stage 2 Junction 7 Option 2 Plan and Profile Sheet 09 of 16

Suitability
S2 - Suitable for Information

Job No: **272691** Figure ID: **P02** Rev.
272691-ARUP-02-CF-SK-Z-000031

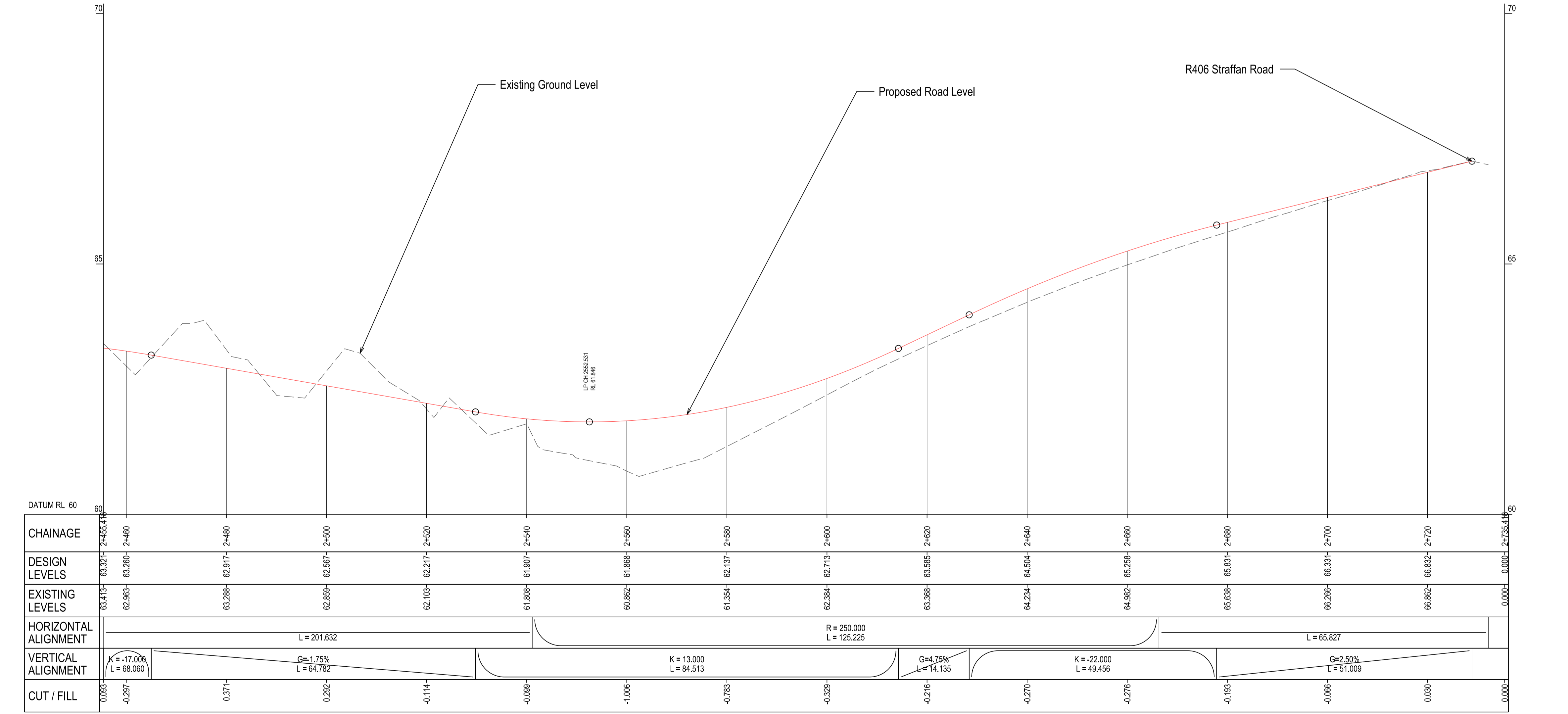


FOR INFORMATION

- LEGEND - PLAN**
- BITUMINOUS ROADS
 - CUT
 - FILL
 - VERGE
 - ACTIVE TRAVEL FACILITY
 - BUFFER LINE

CUT VOLUME:
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 MOOR R408-R406 - 23,142m³
 WB LOOP + EB SLIP ROAD - 43,177m³
 MAINLINE AUX - 7m³



Notes

Clients

Key Plan

Consultant

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Job Title
Maynooth to Leixlip Project

Scale at A1
1:500

Role
Civil - Highways

Date
October 2023

Issue	Date	By	Chkd	Appd
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Issued For Information (Status S2)				
P01	21/07/2023	KD	ACC	GH
Issued For Information (Status S2)				

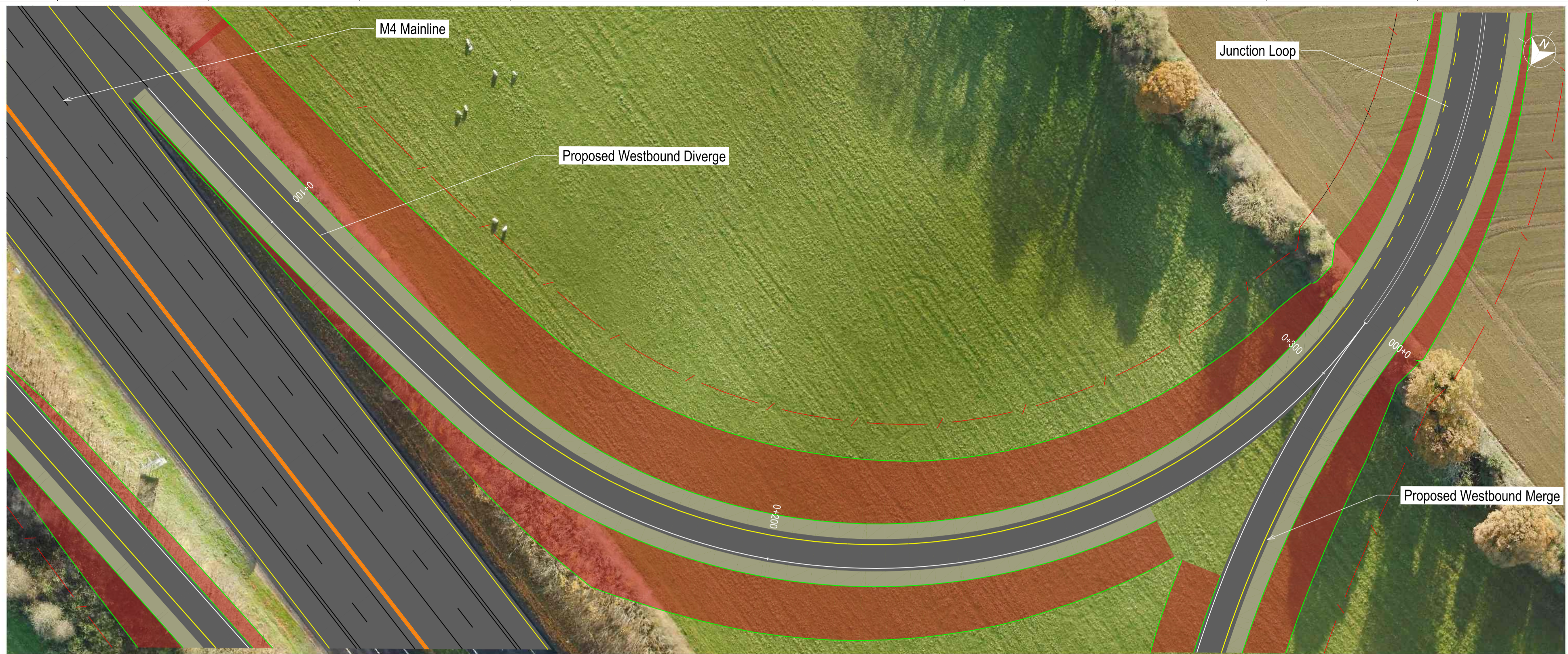
Drawing Title
Stage 2 Junction 7 Option 2
Plan and Profile
Sheet 10 of 16

Suitability
S2 - Suitable for Information

Job No
272691

Figure ID
272691-ARUP-02-CF-SK-Z-000032

Rev.
P02

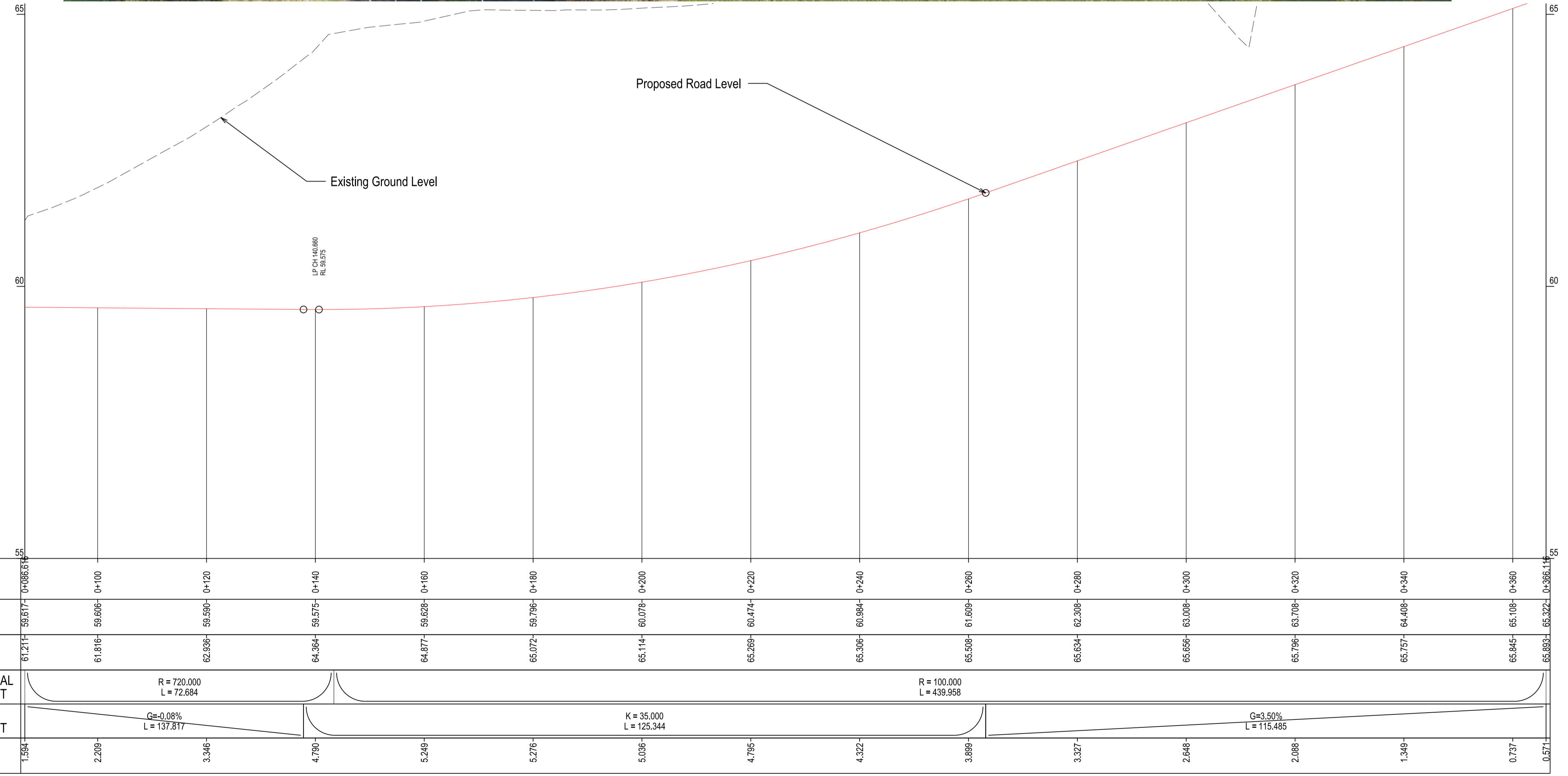


FOR INFORMATION

- LEGEND - PLAN**
- BITUMINOUS ROADS
 - CUT
 - FILL
 - VERGE
 - ACTIVE TRAVEL FACILITY
 - BUFFER LINE

CUT VOLUME:
 MOOR L5041-R408 - 4.316m³
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 WB LOOP + EB SLIP ROAD - 43,177m³
 MAINLINE AUX - 7m³



Notes

Clients

Key Plan

Consultant

One Albert Quay
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Job Title
Maynooth to Leixlip Project

Scale at A1
1:500

Role
Civil - Highways

Date
October 2023

Issue	Date	By	Chkd	Appd
P02	05/10/2023	KD	GH	SB
Issued For Information (Status S2)				
P01	21/07/2023	KD	ACC	GH
Issued For Information (Status S2)				

Drawing Title
Stage 2 Junction 7 Option 2
Plan and Profile
Sheet 11 of 16

Suitability
S2 - Suitable for Information

Job No: **272691** Figure ID: **P02** Rev. **P02**

Drawing No
272691-ARUP-02-CF-SK-Z-000033

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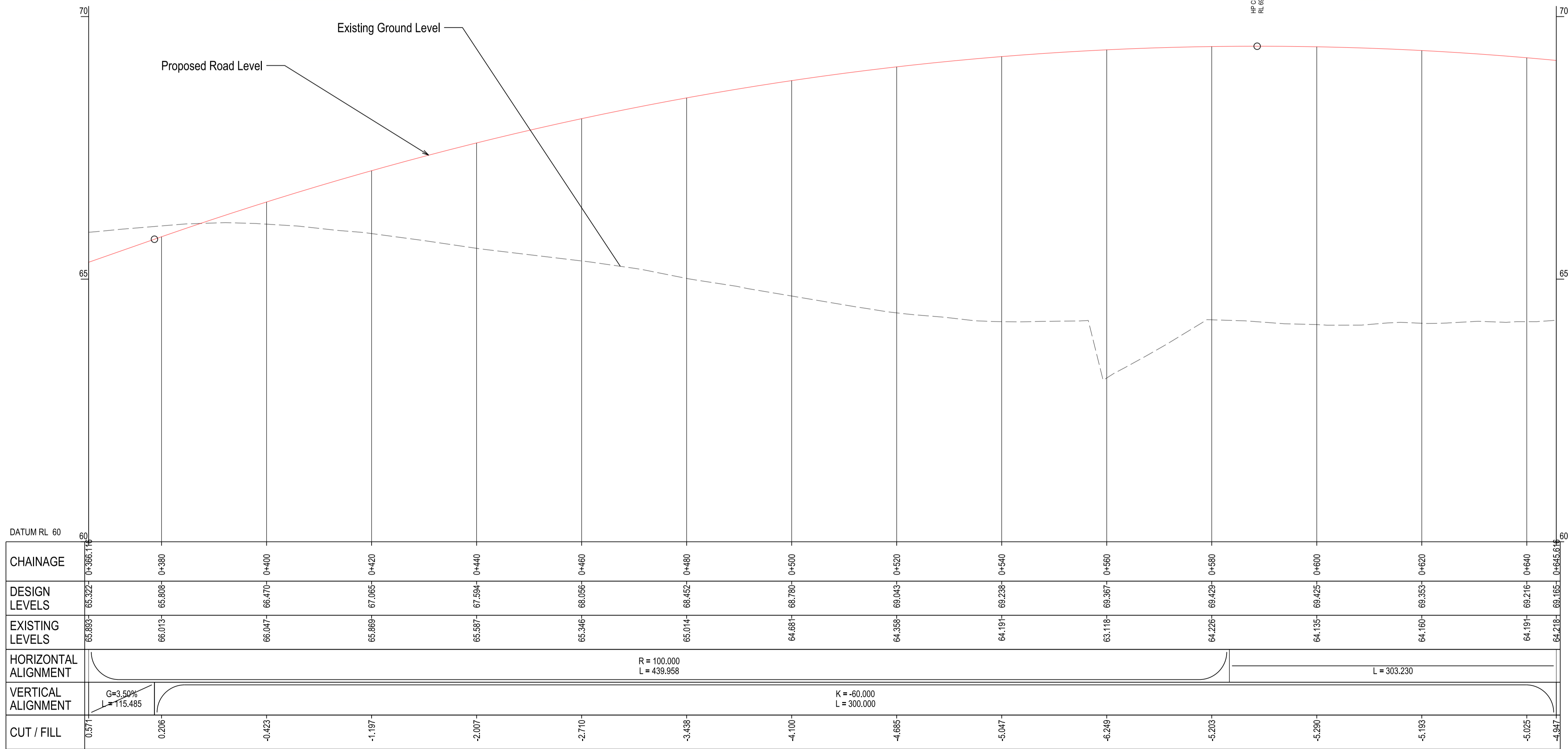


FOR INFORMATION

- LEGEND - PLAN**
- BITUMINOUS ROADS
 - CUT
 - FILL
 - VERGE
 - ACTIVE TRAVEL FACILITY
 - BUFFER LINE

CUT VOLUME:
 MOOR L5041-R408 - 4.316m³
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Notes

Clients



Key Plan

Consultant



Job Title
Maynooth to Leixlip Project



Scale at A1
1:500

Role
Civil - Highways

Date
October 2023

Issue	Date	By	Chkd	Appd
P02	05/10/2023	KD	GH	SB
Issued For Information (Status S2)				
P01	21/07/2023	KD	ACC	GH
Issued For Information (Status S2)				

Drawing Title
Stage 2 Junction 7 Option 2 Plan and Profile Sheet 12 of 16

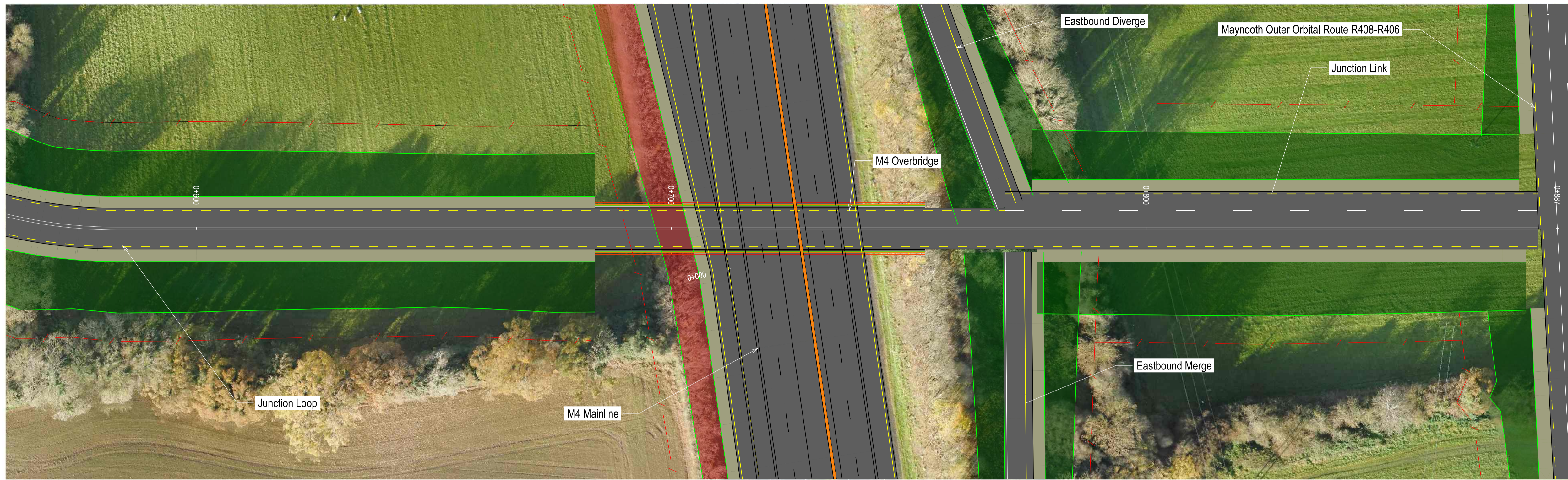
Suitability
S2 - Suitable for Information

Job No: **272691** Figure ID: **P02** Rev.
 Drawing No: **272691-ARUP-02-CF-SK-Z-000034**

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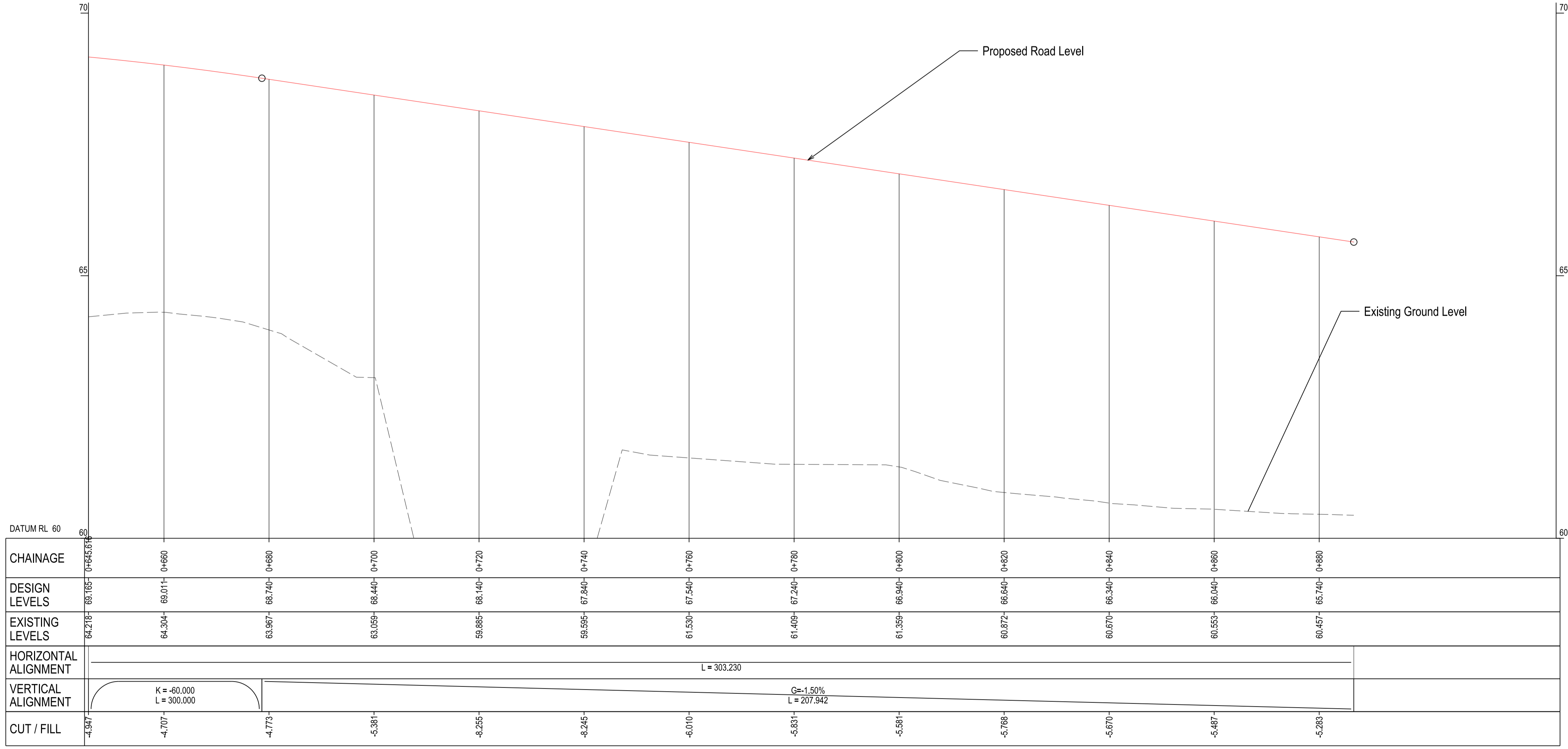


FOR INFORMATION

- LEGEND - PLAN**
- BITUMINOUS ROADS
 - CUT
 - FILL
 - VERGE
 - ACTIVE TRAVEL FACILITY
 - BUFFER LINE

CUT VOLUME:
 MOOR L5041-R408 - 4.316m³
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 MOOR R408-R406 - 23.142m³
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Job Title
Maynooth to Leixlip Project

Scale at A1
1:500

Role
Civil - Highways

Date
October 2023

P02	05/10/2023	KD	GH	SB
Issued For Information (Status S2)				
P01	21/07/2023	KD	ACC	GH
Issued For Information (Status S2)				
Issue	Date	By	Chkd	Appd

Drawing Title
Stage 2 Junction 7 Option 2
Plan and Profile
Sheet 13 of 16

Suitability
S2 - Suitable for Information

Job No: 272691 **Figure ID:** **Rev.:** P02

Drawing No: 272691-ARUP-02-CF-SK-Z-000035

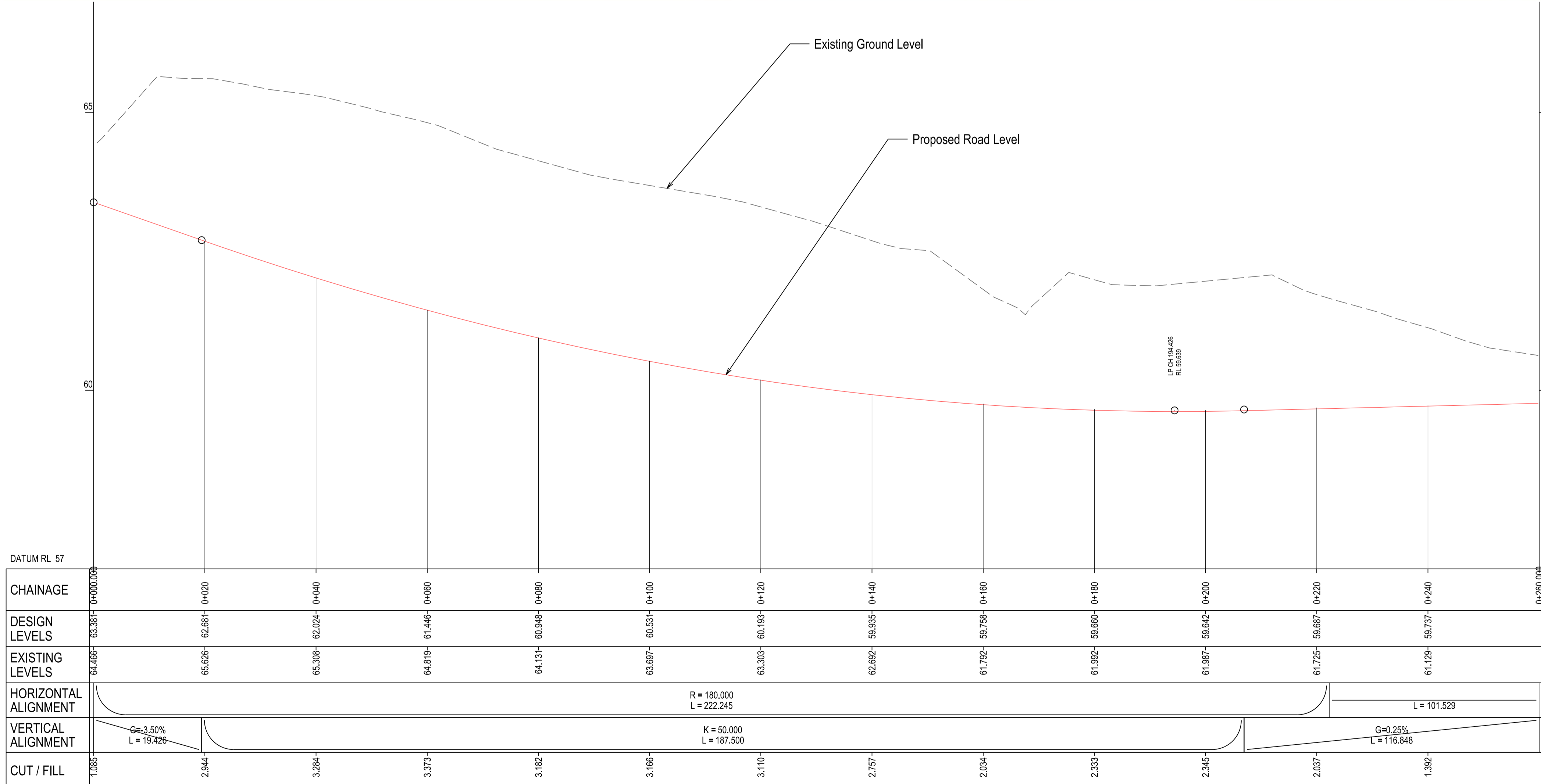


FOR INFORMATION

- LEGEND - PLAN**
- BITUMINOUS ROADS
 - CUT
 - FILL
 - VERGE
 - ACTIVE TRAVEL FACILITY
 - BUFFER LINE

CUT VOLUME:
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Notes

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Job Title
Maynooth to Leixlip Project

Scale at A1
1:500

Role
Civil - Highways

Date
October 2023

P02	05/10/2023	KD	GH	SB
Issued For Information (Status S2)				
P01	21/07/2023	KD	ACC	GH
Issued For Information (Status S2)				
Issue	Date	By	Chkd	Appd

Drawing Title
Stage 2 Junction 7 Option 2
Plan and Profile
Sheet 14 of 16

S2 - Suitable for Information

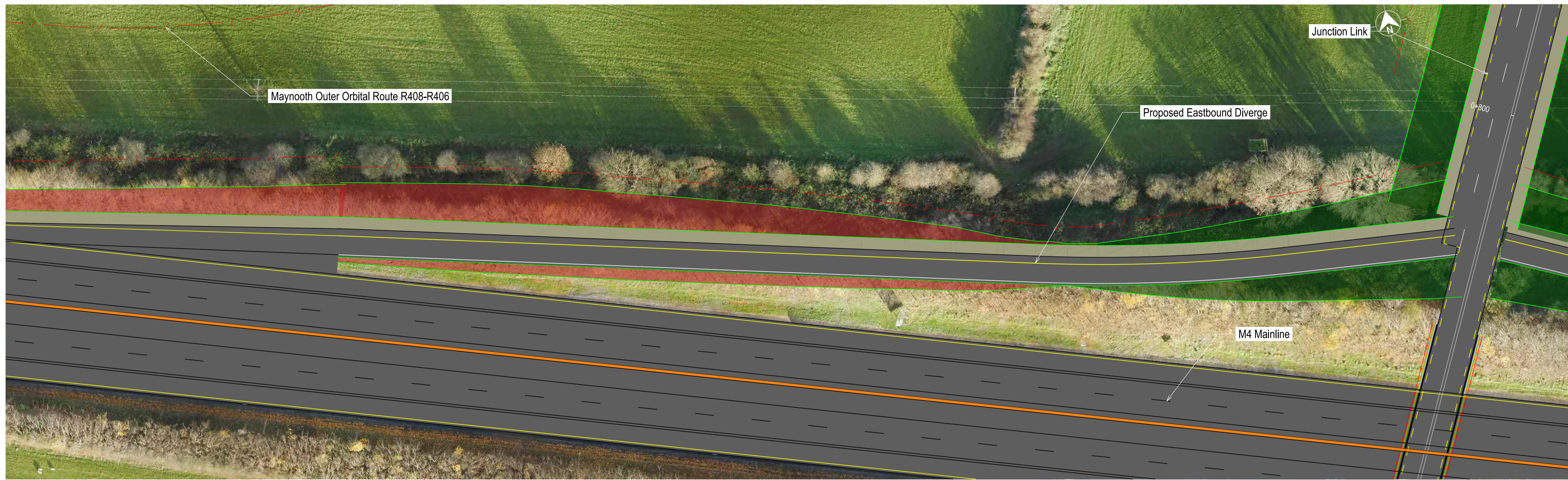
Job No: **272691** Figure ID: **P02**

Drawing No: **272691-ARUP-02-CF-SK-Z-000036**

A1

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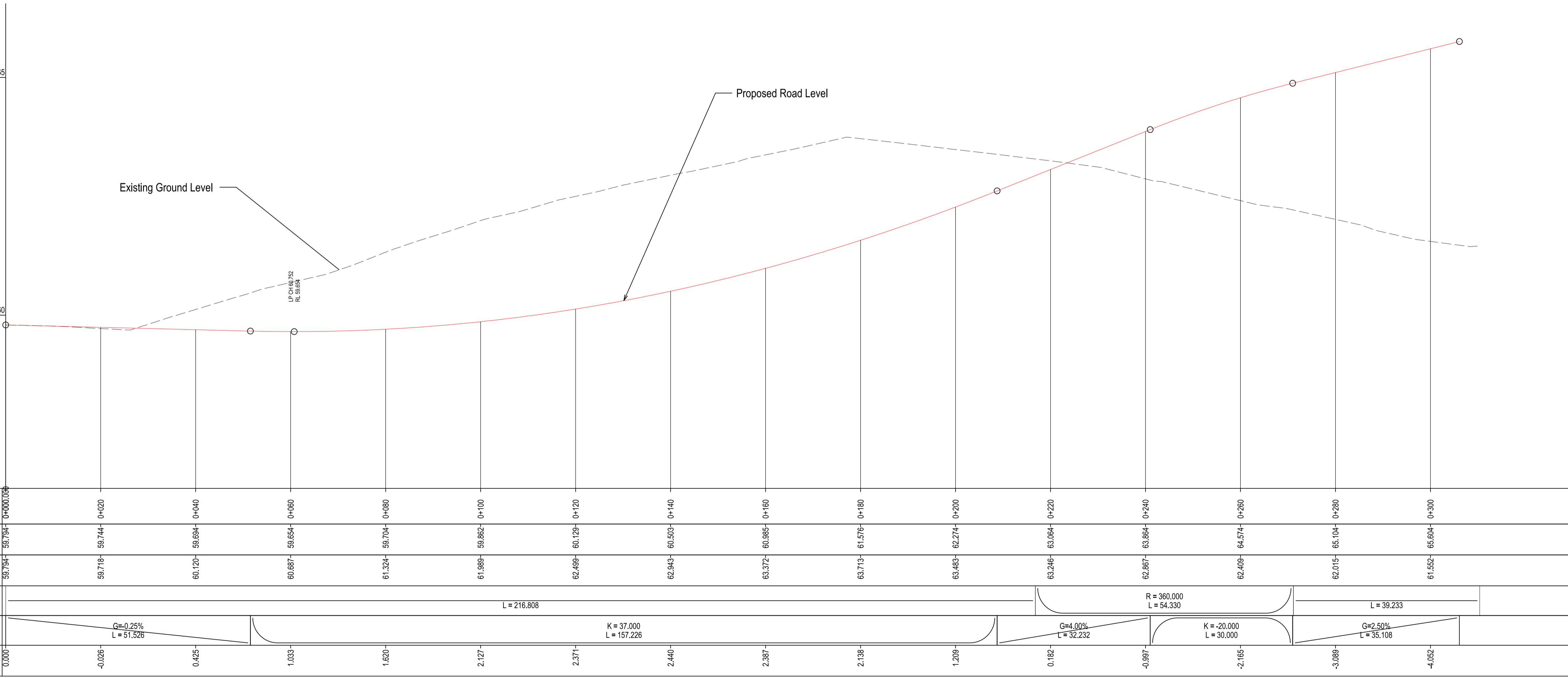


FOR INFORMATION

- LEGEND - PLAN**
- BITUMINOUS ROADS
 - CUT
 - FILL
 - VERGE
 - ACTIVE TRAVEL FACILITY
 - BUFFER LINE

CUT VOLUME:
 MOOR L5041-R408 - 4.316m³
 MOOR R408-R406 - 6.051m³
 WB LOOP + EB SLIP ROAD - 39,296m³
 MAINLINE AUX - 12,210m³

FILL VOLUMES:
 MOOR L5041-R408 - 8,085m³
 MOOR R408-R406 - 23,142m³
 WB LOOP + EB SLIP ROAD - 43,177m³
 MAINLINE AUX - 7m³



Notes

Clients



Key Plan

Consultant



Job Title
Maynooth to Leixlip Project



Scale at A1
1:500

Role
Civil - Highways

Date
October 2023

P02	05/10/2023	KD	GH	SB
Issued For Information (Status S2)				
P01	21/07/2023	KD	ACC	GH
Issued For Information (Status S2)				
Issue	Date	By	Chkd	Appd

Drawing Title
Stage 2 Junction 7 Option 2 Plan and Profile Sheet 15 of 16

Suitability
S2 - Suitable for Information

Job No: **272691** Figure ID: **P02** Rev: **P02**

Drawing No
272691-ARUP-02-CF-SK-Z-000037

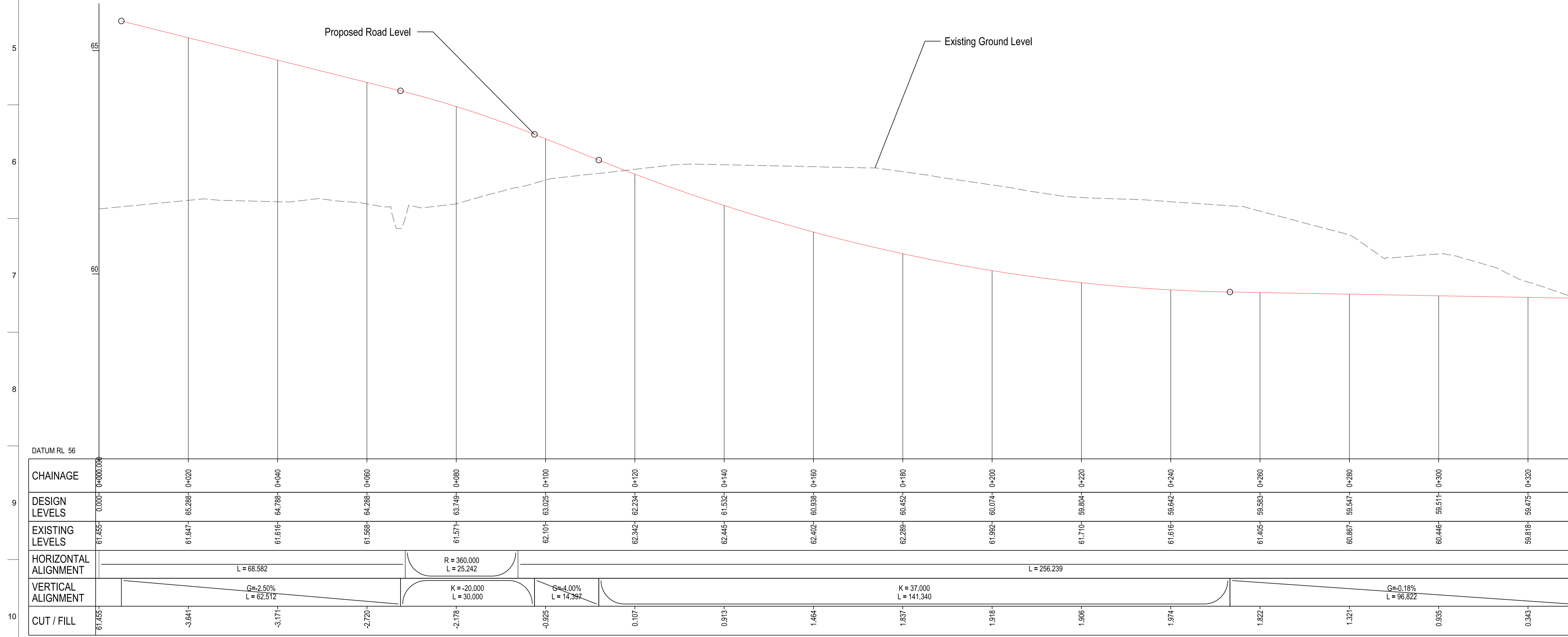


FOR INFORMATION

- LEGEND - PLAN**
- BITUMINOUS ROADS
 - CUT
 - FILL
 - VERGE
 - ACTIVE TRAVEL FACILITY
 - BUFFER LINE

CUT VOLUME:
 MOOR L5041-R408 - 4,316m³
 MOOR R408-R406 - 6,051m³
 WB LOOP + EB SLIP ROAD - 39,296m³
 MAINLINE AUX - 12,210m³

FILL VOLUMES:
 MOOR L5041-R408 - 8,085m³
 MOOR R408-R406 - 23,142m³
 WB LOOP + EB SLIP ROAD - 43,177m³
 MAINLINE AUX - 7m³



Notes

Clients

Key Plan

Consultant

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www.arup.ie

Job Title
Maynooth to Leixlip Project

Scale at A1
1:500

Role
Civil - Highways

Date
October 2023

Issue	Date	By	Chkd	Appd
P02	05/10/2023	KD	GH	SB
Issued For Information (Status S2)				
P01	21/07/2023	KD	ACC	GH
Issued For Information (Status S2)				

Drawing Title
Stage 2 Junction 7 Option 2
Plan and Profile
Sheet 16 of 16

Suitability
S2 - Suitable for Information

Job No
272691

Figure ID
272691-ARUP-02-CF-SK-Z-000038

Rev.
P02



MAYNOOTH TO LEIXLIP PROJECT

Active Travel Options

Plan and Profile Drawings

A1

A B C D E F G H I J K L M N O P



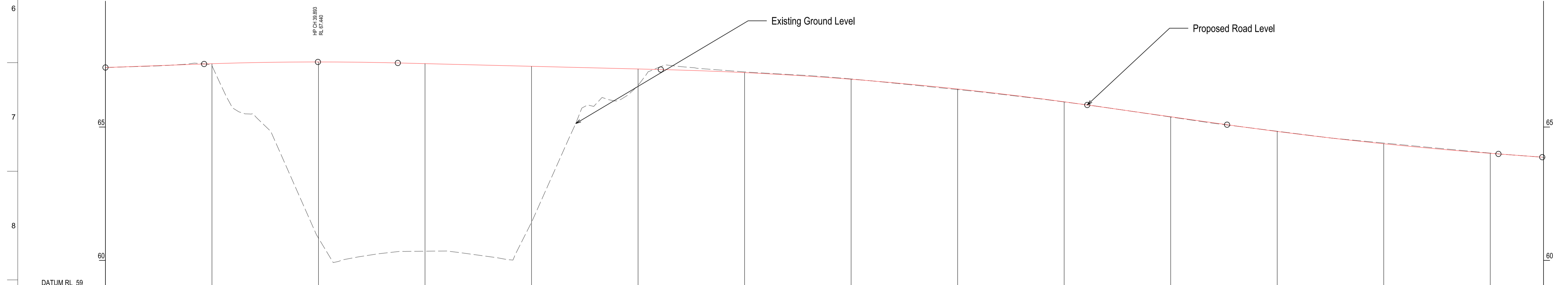
FOR INFORMATION

- LEGEND - PLAN**
- BITUMINOUS ROADS
 - CUT
 - FILL
 - VERGE
 - BUFFER LINE

HEAD CLEARANCE:
 CHAINAGE 40 - 5.106m
 CHAINAGE 60 - 5.532m
 CHAINAGE 80 - 4.345m

CUT VOLUME:
 47.904m³

FILL VOLUME:
 3301.433m³



CHAINAGE	0+000.000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	0+200	0+220	0+240	0+260	0+270.000			
DESIGN LEVELS	67.232	67.374	67.440	67.377	67.277	67.177	67.041	66.792	66.427	65.947	65.388	64.834	64.372	64.015	63.855			
EXISTING LEVELS	67.232	67.300	60.834	60.345	61.432	66.575	67.068	66.802	66.405	65.941	65.376	64.840	64.400	64.022	63.885			
HORIZONTAL ALIGNMENT	R = 10,000 L = 12.351		R = 10,000 L = 8.063		R = 10,000 L = 8.116		L = 65.922		R = 10,000 L = 8.229		R = 10,000 L = 8.332		R = 6019.837 L = 72.841		L = 64.482		R = 1414.411 L = 28.940	
VERTICAL ALIGNMENT	G = 0.71% L = 18.520		K = -30.000 L = 36.372		G = -0.50% L = 49.372		K = -34.543 L = 80.070		G = -2.82% L = 26.249		K = 38.166 L = 60.951		G = -1.48% L = 8.284					

Notes

Clients

Key Plan

Consultant

Job Title

Scale at A1

Role

Date

Drawing Title

Job No

Figure ID

Rev.

Issue

Date

By

Chkd

Appd

FOR INFORMATION



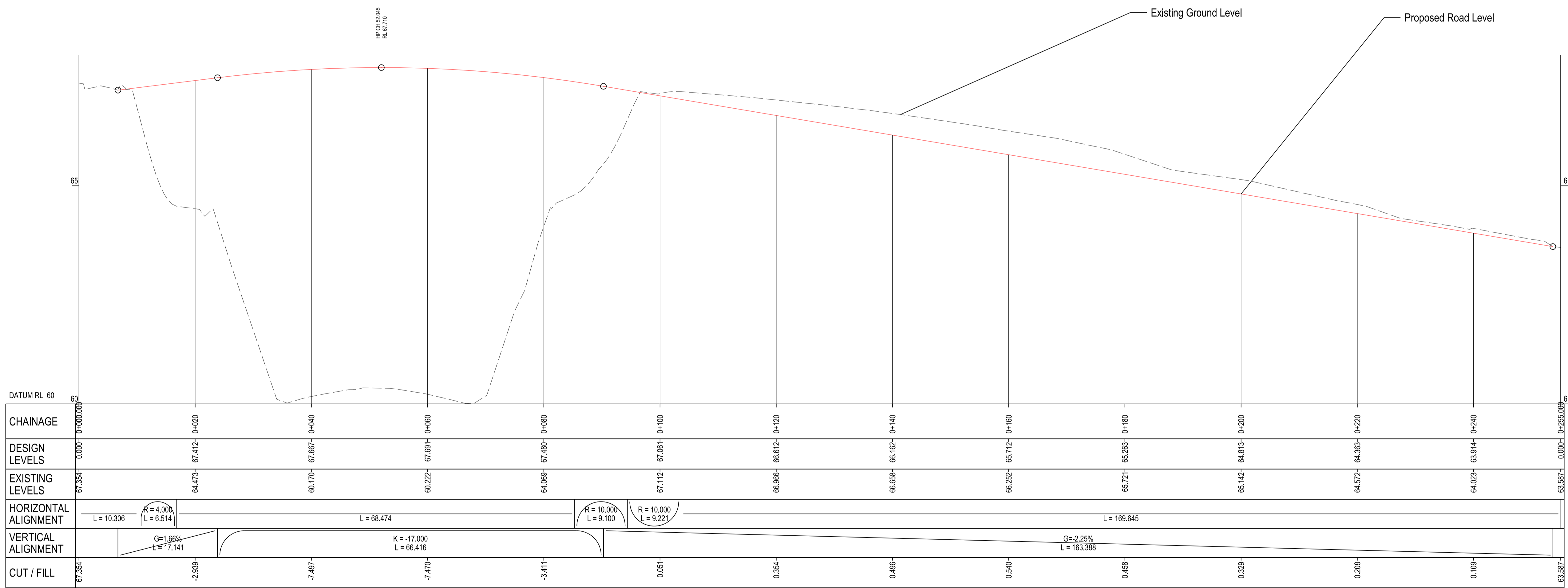
LEGEND - PLAN

- BITUMINOUS ROADS
- CUT
- FILL
- VERGE
- BUFFER LINE

HEAD CLEARANCE:
CHAINAGE 40 - 5.997m
CHAINAGE 60 - 5.969m

CUT VOLUME:
75.330m³

FILL VOLUME:
2432.704m³



Notes

Clients



Key Plan

Consultant



Job Title
Maynooth to Leixlip Project



Scale at A1
1:400
Role
Civil - Highways
Date
July 2023

Issue	Date	By	Chkd	Appd
P01	19/07/2023	KD	ACC	GH
Issued For Information (Status S2)				

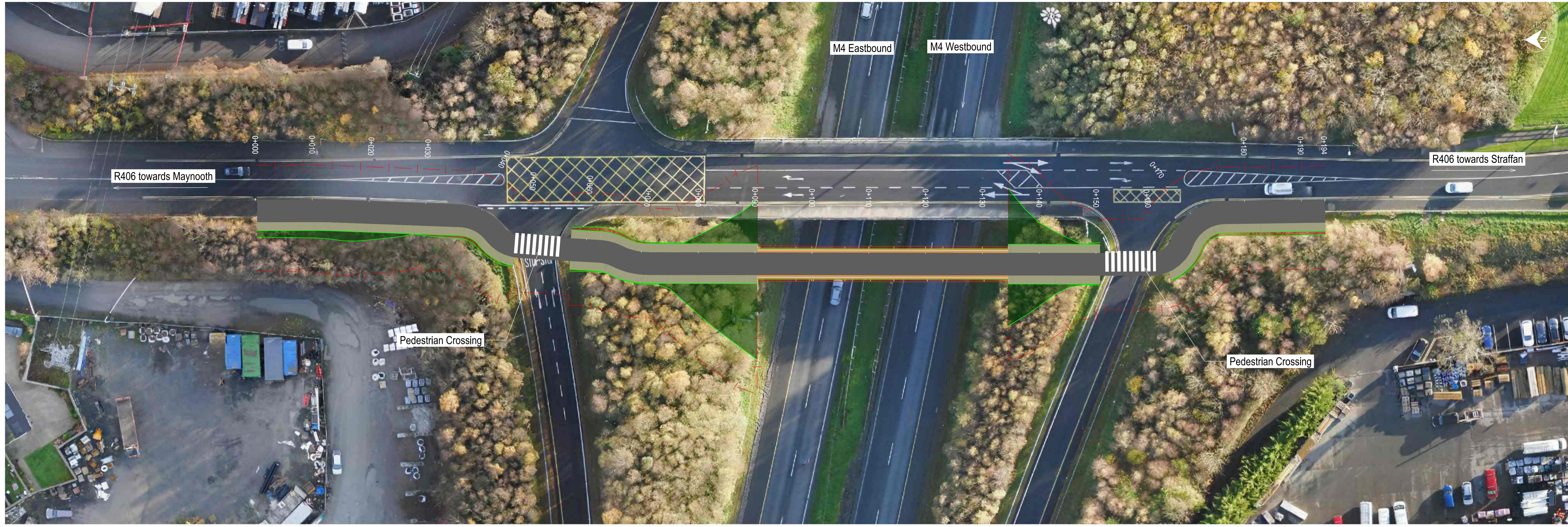
Drawing Title
R408 AT Structure Option 2 (East) Plan and Profile Sheet 01 of 01

Suitability
S2 - Suitable for Information

Job No	Figure ID	Rev.
272691		P01

Drawing No
272691-ARUP-02-CF-SK-Z-000003

FOR INFORMATION

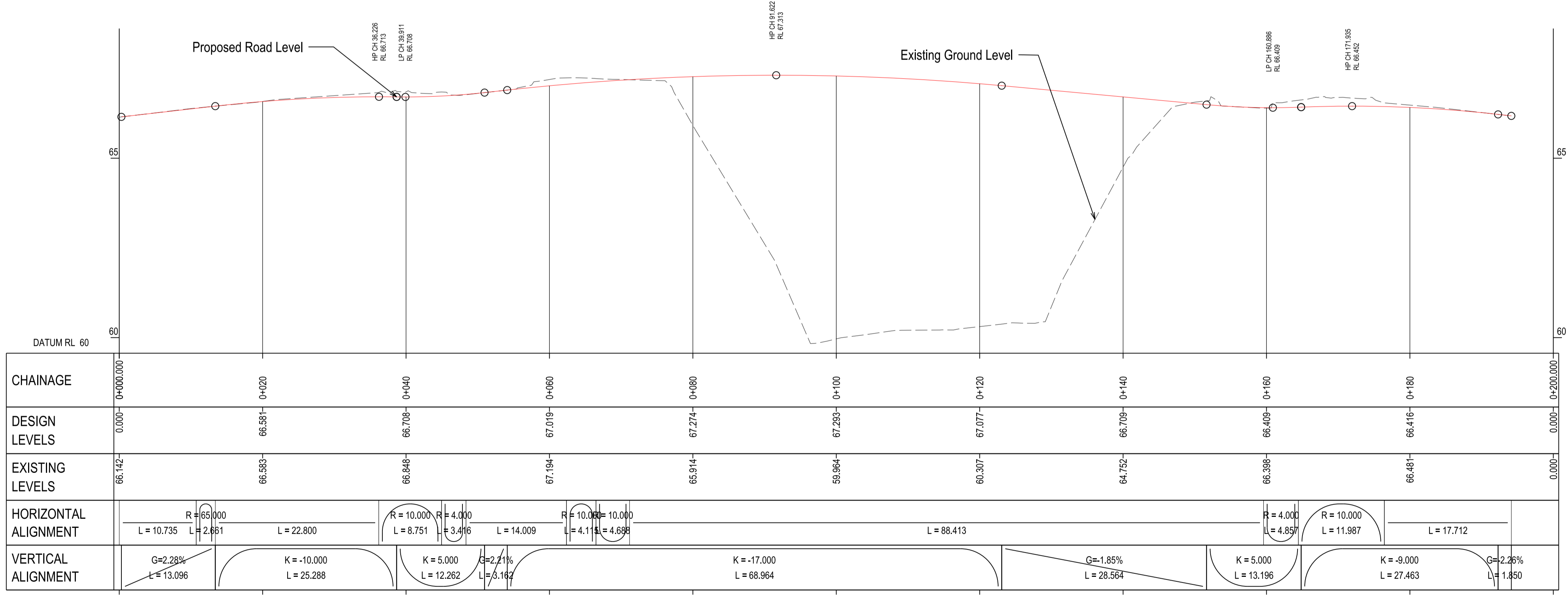


- LEGEND - PLAN**
- BITUMINOUS ROADS
 - CUT
 - FILL
 - VERGE
 - BUFFER LINE

HEAD CLEARANCE:
 CHAINAGE 100 - 5.829m
 CHAINAGE 120 - 5.270m

CUT VOLUME:
 111.588m³

FILL VOLUME:
 848.655m³



Notes

Clients

Key Plan

Consultant

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 Ireland

Tel +353 (0)21 422 5200
 www.arup.ie

Job Title
 Maynooth to Leixlip Project

Scale at A1
1:400

Role
Civil - Highways

Date
July 2023

Issue	Date	By	Chkd	Appd
P01	19/07/2023	KD	ACC	GH

Issued For Information (Status S2)

Drawing Title
 J7 AT Structure Option 1 (West)
 Plan and Profile
 Sheet 01 of 01

Suitability
S2 - Suitable for Information

Job No: **272691** Figure ID: **P01** Rev: **P01**

Drawing No
272691-ARUP-02-CF-SK-Z-00004

FOR INFORMATION

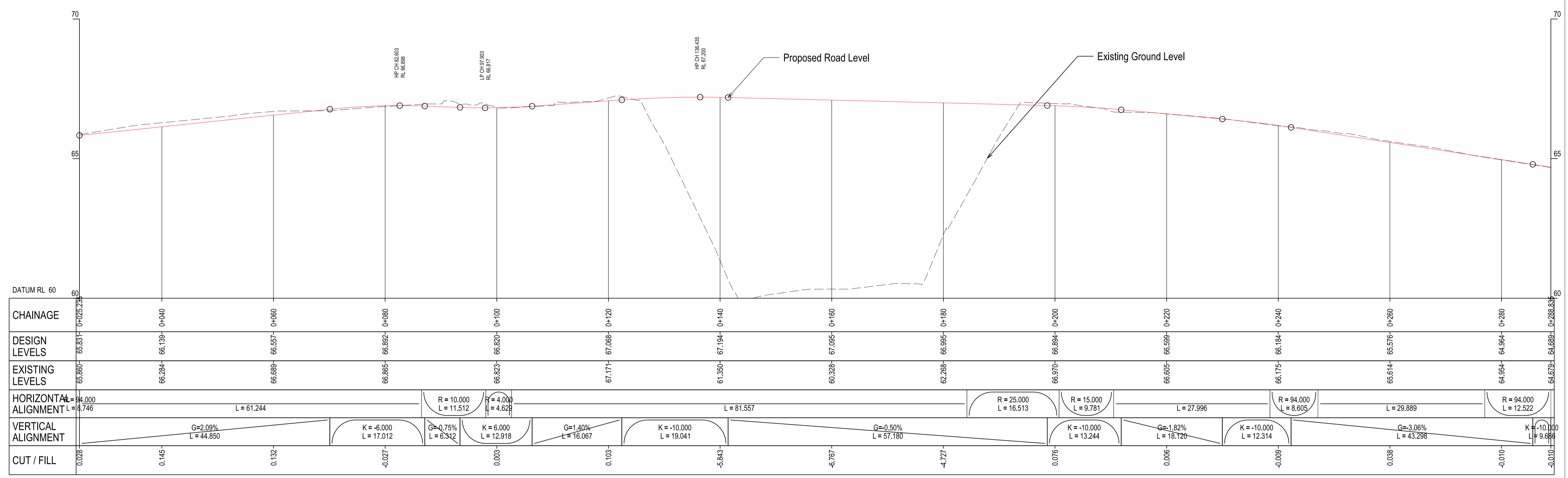


- LEGEND - PLAN**
- BITUMINOUS ROADS
 - CUT
 - FILL
 - VERGE
 - BUFFER LINE

HEAD CLEARANCE:
 CHAINAGE 140 - 4.34m
 CHAINAGE 160 - 5.27m
 CHAINAGE 180 - 3.23m

CUT VOLUME:
 138m³

FILL VOLUME:
 595m³



Notes

Clients

Key Plan

Consultant

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Tel +353 (0)21 422 5200
www.arup.ie

Job Title
 Maynooth to Leixlip Project

Scale at A1
1:500

Role
Civil - Highways

Date
July 2023

Issue	Date	By	Chkd	Appd
P01	19/07/2023	KD	ACC	GH

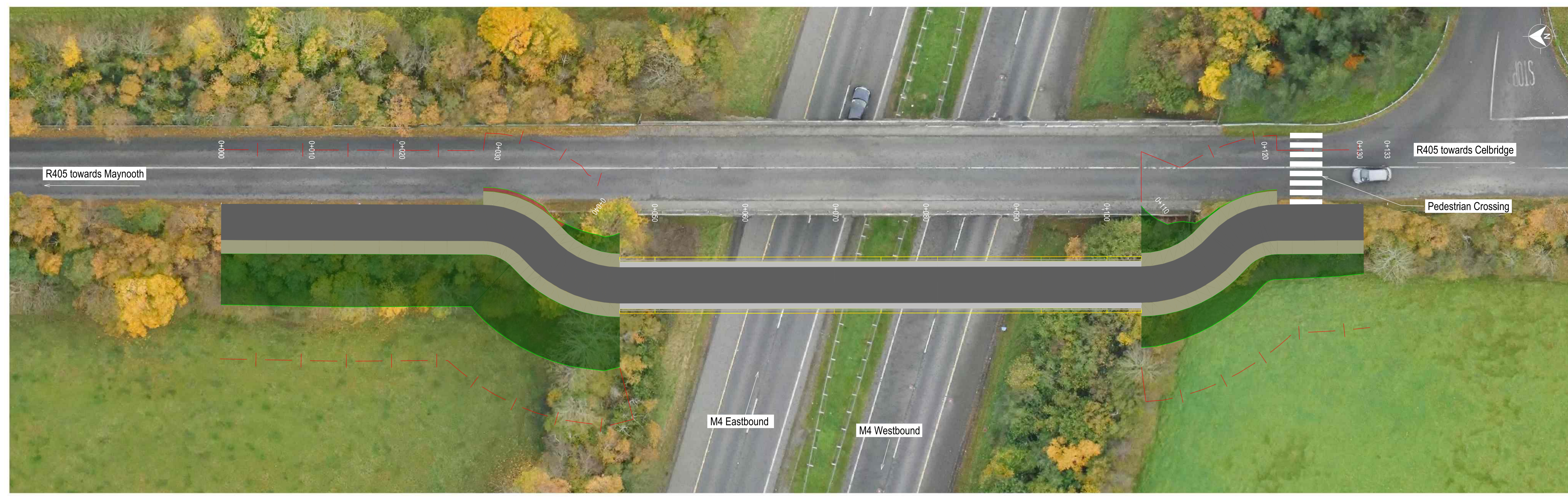
Drawing Title
 J7 AT Structure Option 2 (East)
 Plan and Profile
 Sheet 01 of 01

Suitability
S2 - Suitable for Information

Job No: 272691	Figure ID	Rev. P01
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Drawing No
272691-ARUP-02-CF-SK-Z-000005

FOR INFORMATION

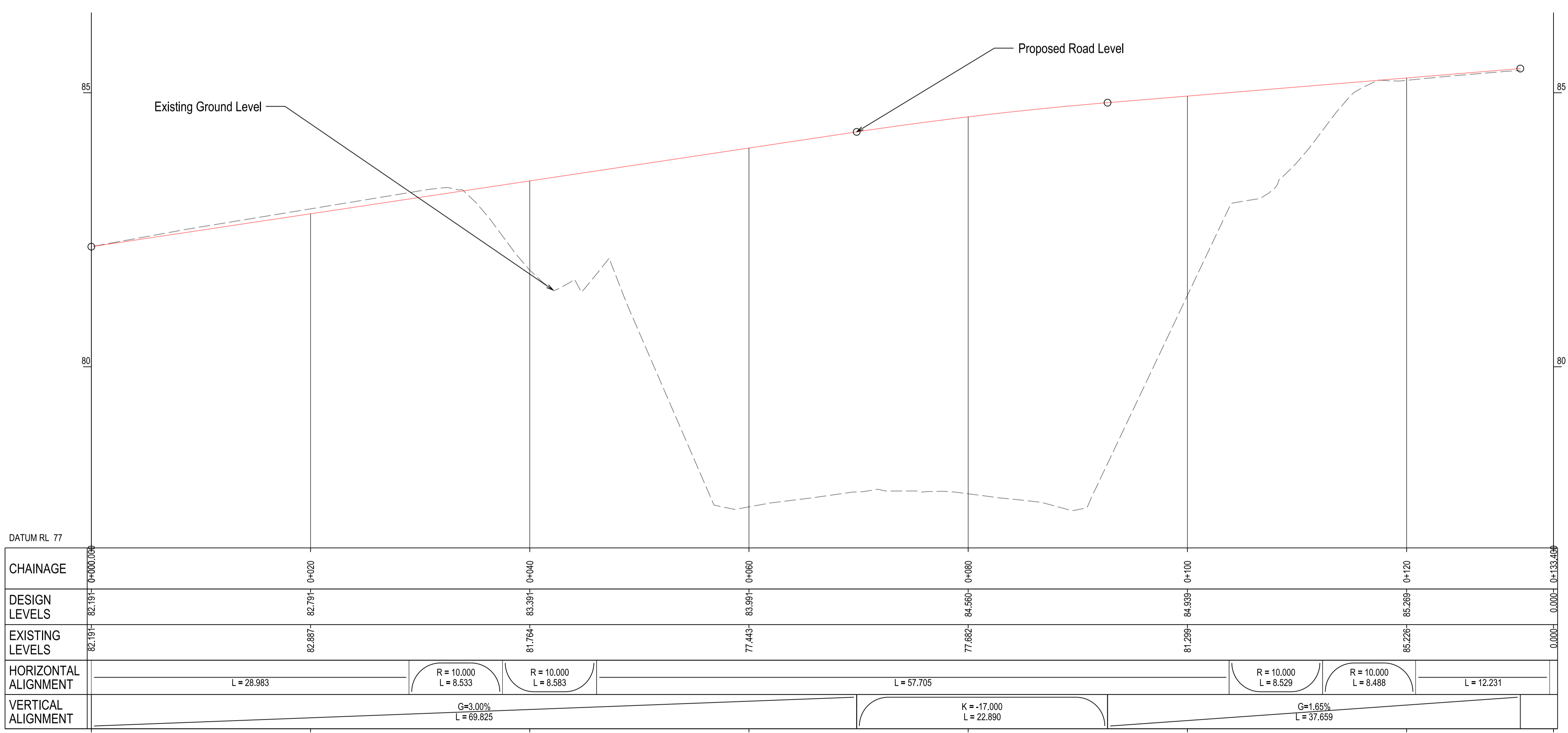


LEGEND - PLAN
 BITUMINOUS ROADS
 CUT
 FILL
 VERGE
 BUFFER LINE

HEAD CLEARANCE:
 CHAINAGE 60 - 5.048m
 CHAINAGE 80 - 6.878m

CUT VOLUME:
 11.830m³

FILL VOLUME:
 830.446m³



Notes

Clients

Key Plan

Consultant

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www.arup.ie

Job Title
Maynooth to Leixlip Project

Scale at A1
1:250

Role
Civil - Highways

Date
July 2023

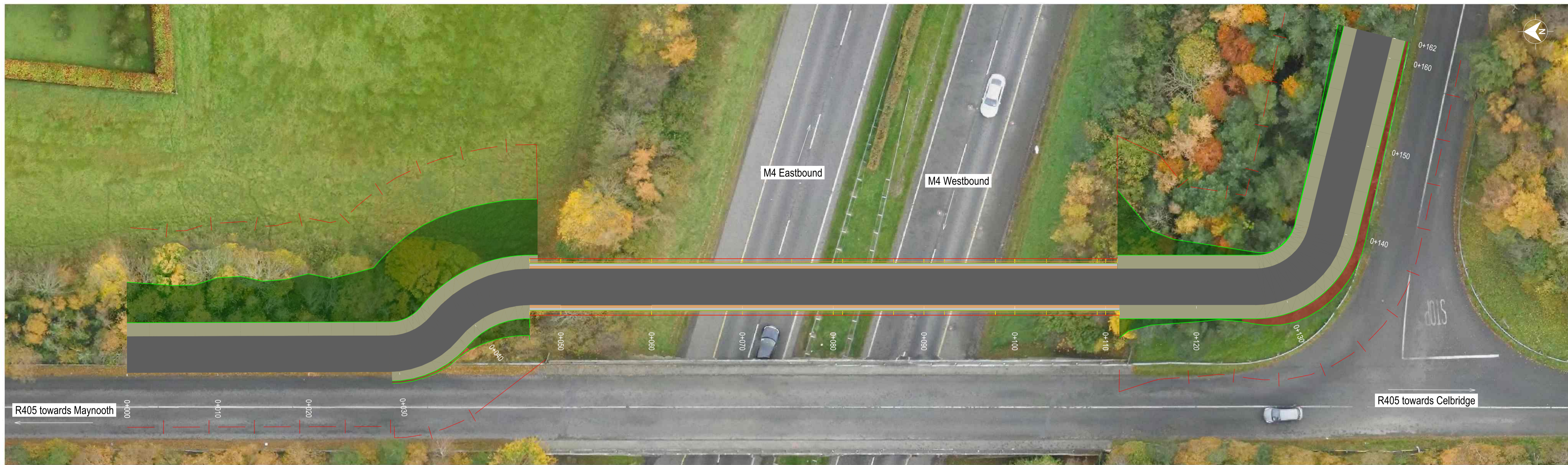
P01	19/07/2023	KD	ACC	GH
Issued For Information (Status S2)				
Issue	Date	By	Chkd	Appd

Drawing Title
R405 AT Structure Option 1 (West) Plan and Profile Sheet 01 of 01

Suitability
S2 - Suitable for Information

Job No	Figure ID	Rev.
272691		P01

Drawing No
272696-ARUP-07-CF-SK-Z-000005



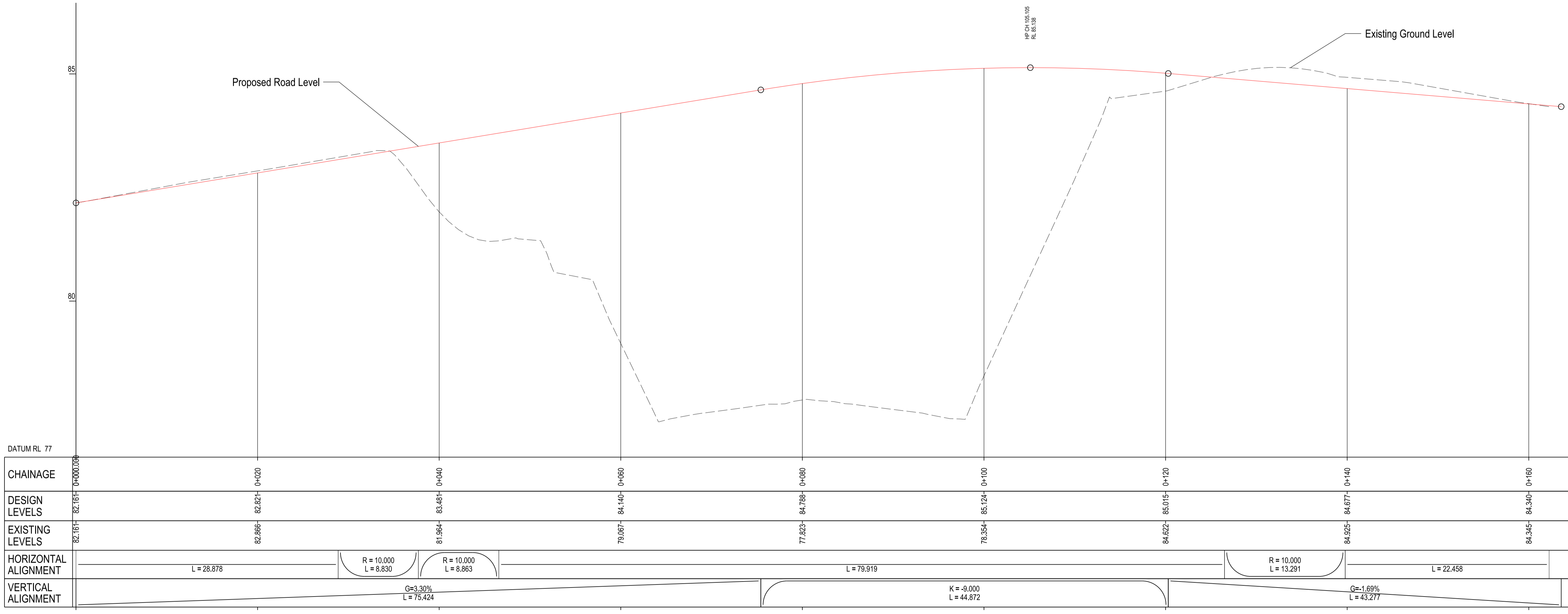
FOR INFORMATION

- LEGEND - PLAN**
- BITUMINOUS ROADS
 - CUT
 - FILL
 - VERGE
 - BUFFER LINE

HEAD CLEARANCE:
 CHAINAGE 90 - 5.465m
 CHAINAGE 100 - 5.270m

CUT VOLUME:
 47.624m³

FILL VOLUME:
 728.451m³



Notes

Clients

Key Plan

Consultant

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Ireland

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www.arup.ie

Job Title
Maynooth to Leixlip Project

Scale at A1
1:250

Role
Civil - Highways

Date
July 2023

Issue	Date	By	Chkd	Appd
P01	19/07/2023	KD	ACC	GH

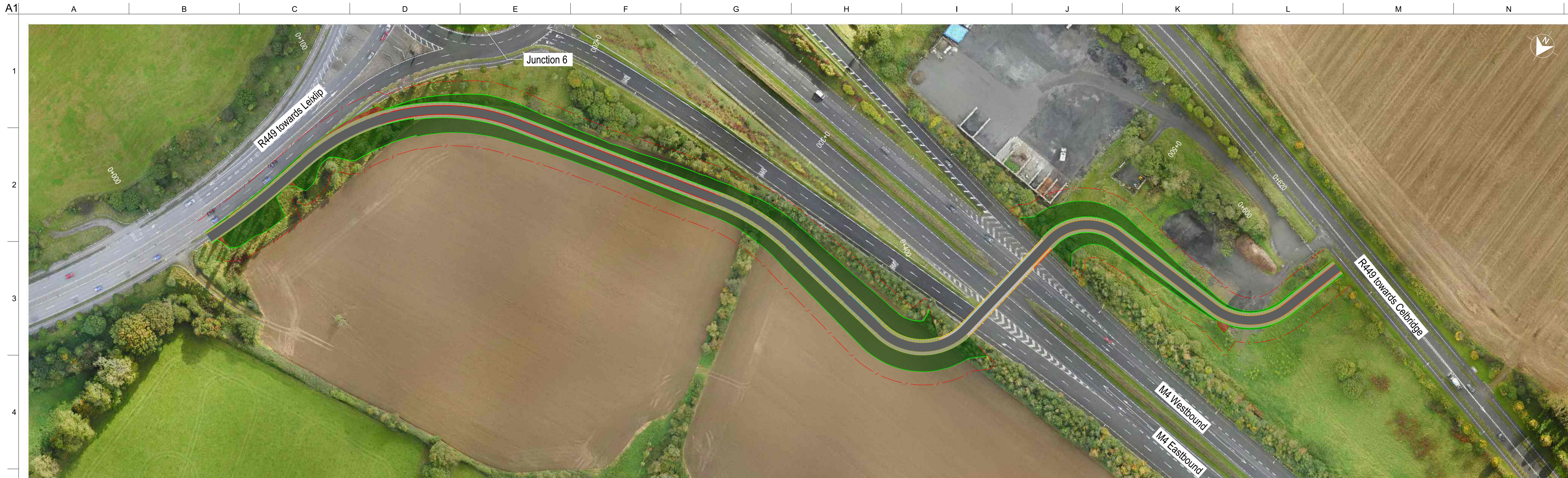
Drawing Title
R405 AT Structure Option 2 (East)
Plan and Profile
Sheet 01 of 01

Suitability
S2 - Suitable for Information

Job No
272691

Figure ID
P01

Drawing No
272691-ARUP-02-CF-SK-Z-000007



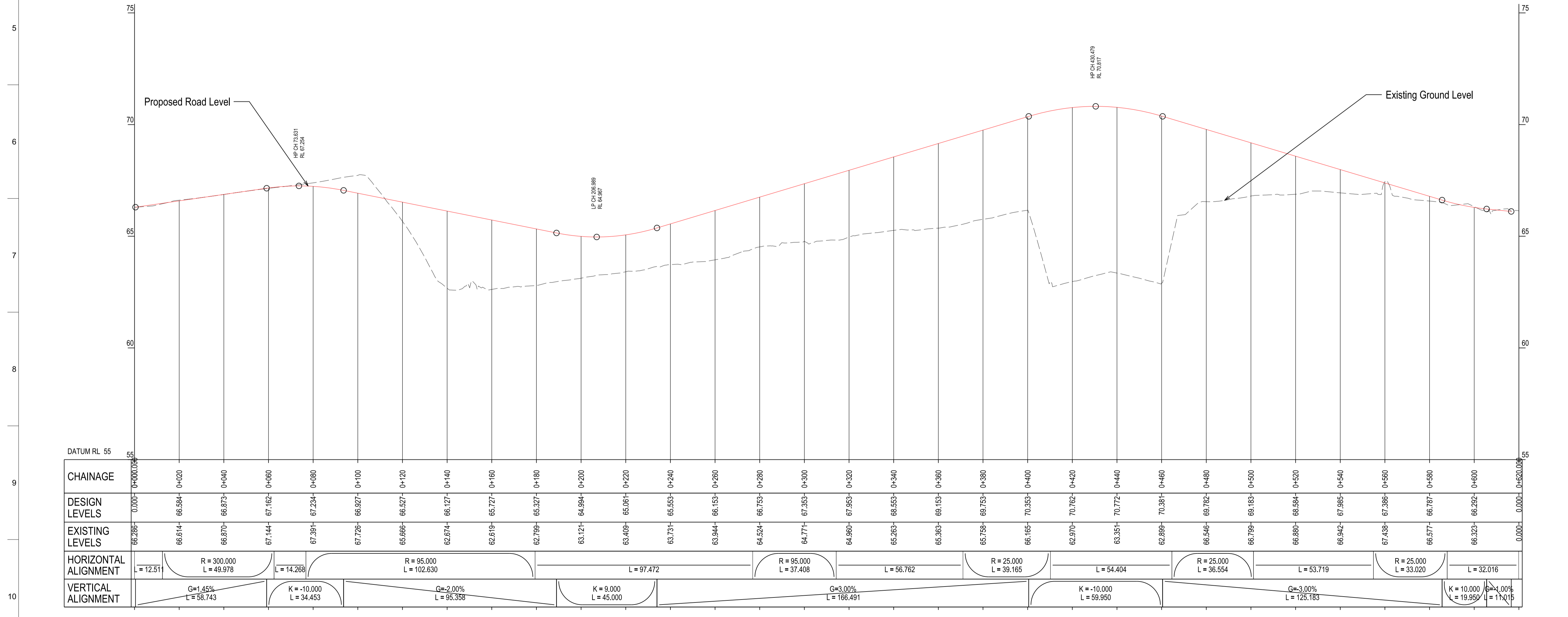
FOR INFORMATION

- LEGEND - PLAN**
- BITUMINOUS ROADS
 - CUT
 - FILL
 - VERGE
 - BUFFER LINE

HEAD CLEARANCE:
 CHAINAGE 420 - 6.292m
 CHAINAGE 440 - 5.921m
 CHAINAGE 460 - 5.982m

CUT VOLUME:
 180.501m³

FILL VOLUME:
 728.452m³



Notes: Do not scale

Clients: NTA (Údarás Náisiúnta Iompair), TII (Bonnasgar Iompair Éireann), An Roinn Iompair (Department of Transport), KILDARE nro (NATIONAL ROADS OFFICE), Kildare County Council (Comhairle Contae Chill Dara)

Key Plan: [Placeholder for key plan image]

Consultant: ARUP (One Albert Quay, Cork, T12 X8N6, Ireland; Tel: +353 (0)21 422 5200; www.arup.ie)

Job Title: Maynooth to Leixlip Project

Scale at A1: 1:1000

Role: Civil - Highways

Date: July 2023

Issue	Date	By	Chkd	Appd
P01	19/07/2023	KD	ACC	GH

Drawing Title: J6 AT Structure Option 1 (West) Plan and Profile Sheet 01 of 01

Suitability: S2 - Suitable for Information

Job No: 272691 **Figure ID:** **Rev.:** P01

Drawing No: 272691-ARUP-02-CF-SK-Z-000008



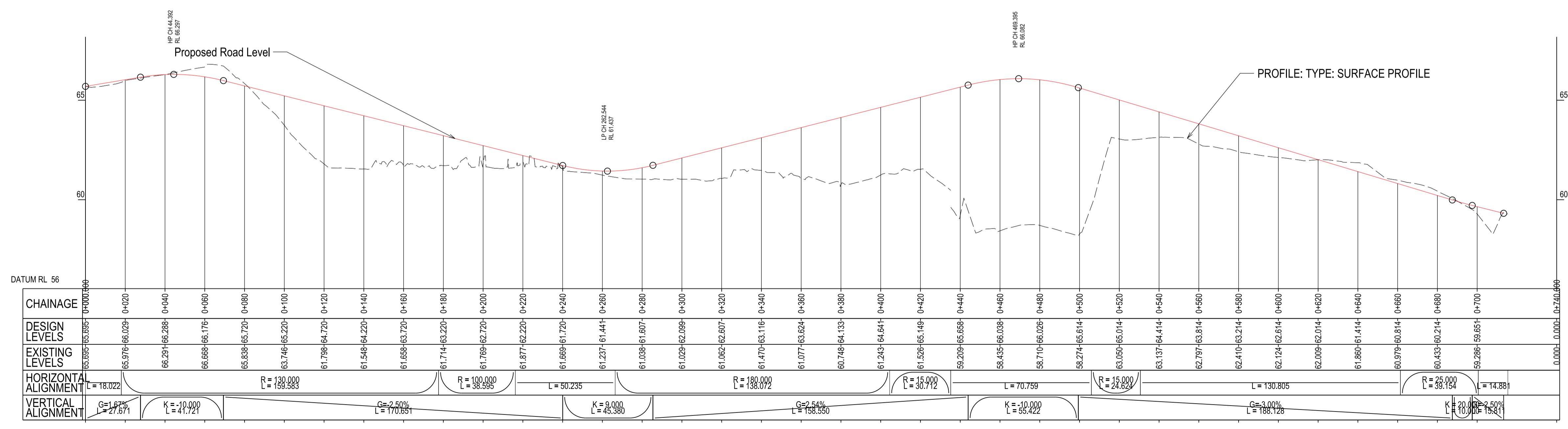
FOR INFORMATION

- LEGEND - PLAN**
- BITUMINOUS ROADS
 - CUT
 - FILL
 - VERGE
 - BUFFER LINE

HEAD CLEARANCE:
 CHAINAGE 460 - 6.103m
 CHAINAGE 480 - 5.816m
 CHAINAGE 500 - 5.840m

CUT VOLUME:
 360.614m³

FILL VOLUME:
 12088.955m³



Notes

Clients



Key Plan

Consultant



Job Title
Maynooth to Leixlip Project



Scale at A1
1:1250

Role
Civil - Highways

Date
July 2023

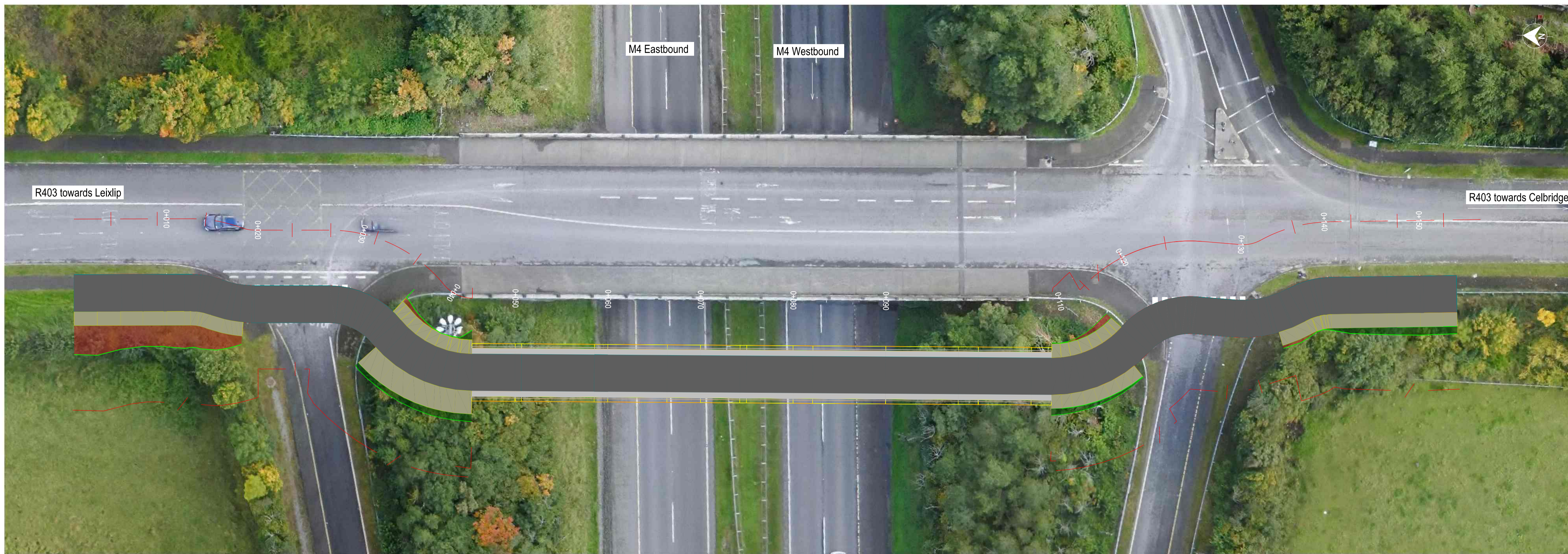
P01	DDMMYYYY	KD	ACC	GH
Issued For Information (Status S2)				
Issue	Date	By	Chkd	Appd

Drawing Title
J6 AT Structure Option 2 (East) Plan and Profile Sheet 01 of 01

Suitability
S2 - Suitable for Information

Job No: **272691** Figure ID: **P01** Rev: **P01**

Drawing No
272691-ARUP-02-CF-SK-Z-000009



FOR INFORMATION

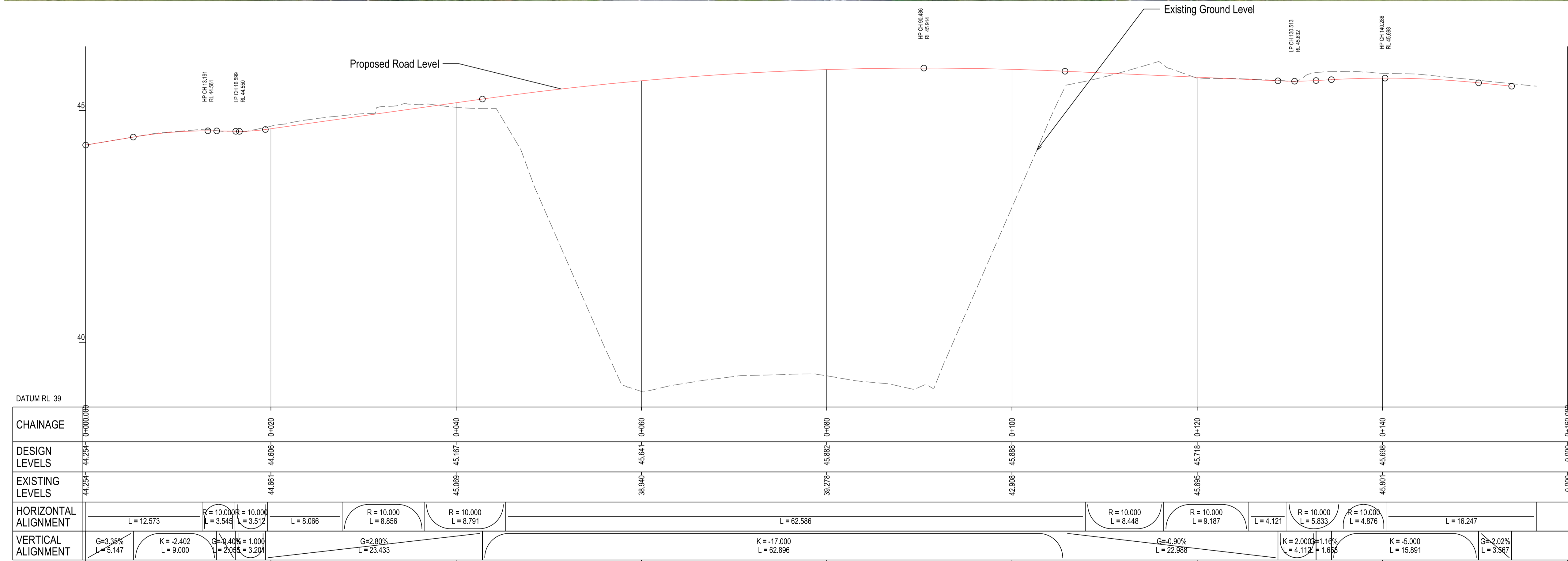
LEGEND - PLAN

- BITUMINOUS ROADS
- CUT
- FILL
- VERGE
- BUFFER LINE

HEAD CLEARANCE:
CHAINAGE 40 - 5.201m
CHAINAGE 60 - 5.104m

CUT VOLUME:
52.640m³

FILL VOLUME:
27.511m³



Notes

Clients



Key Plan

Consultant



Job Title
Maynooth to Leixlip Project



Scale at A1
1:250
Role
Civil - Highways
Date
July 2023

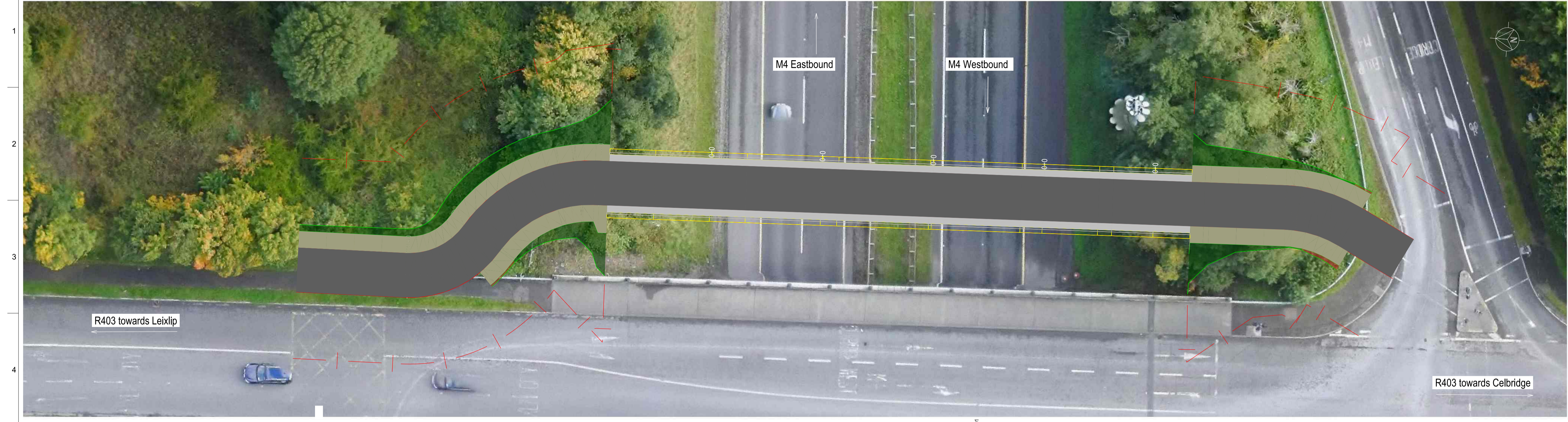
P01	19/07/2023	KD	ACC	GH
Issued For Information (Status S2)				
Issue	Date	By	Chkd	Appd

Drawing Title
J5 AT Structure Option 1 (West) Plan and Profile Sheet 01 of 01

Suitability
S2 - Suitable for Information

Job No	Figure ID	Rev.
272691		P01

Drawing No
272691-ARUP-02-CF-SK-Z-000012



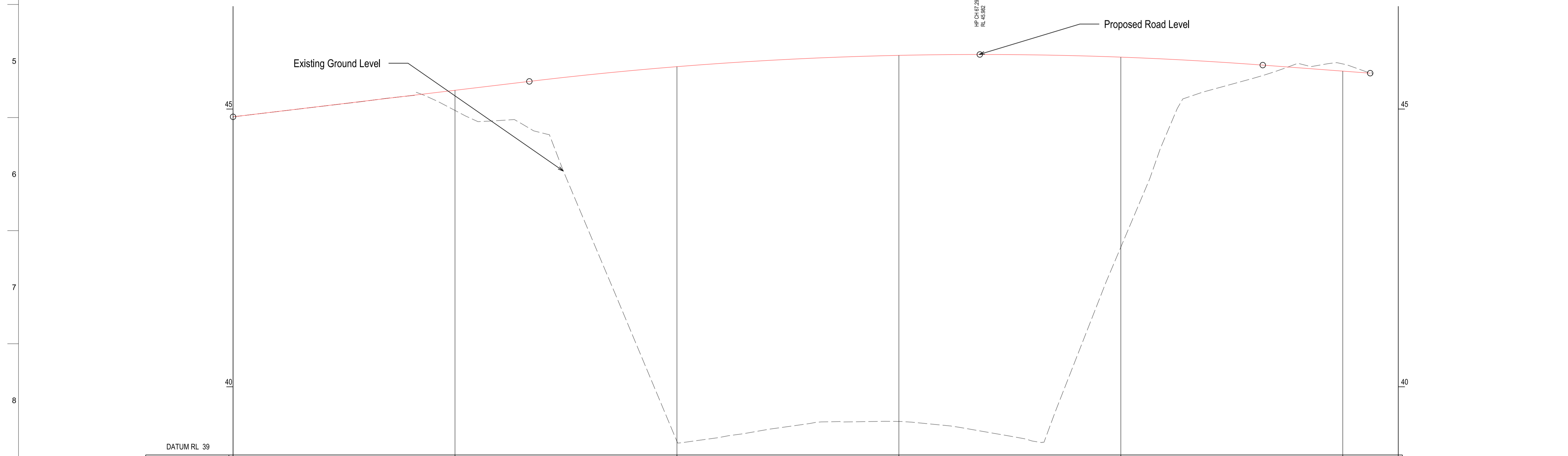
FOR INFORMATION

- LEGEND - PLAN**
- BITUMINOUS ROADS
 - CUT
 - FILL
 - VERGE
 - BUFFER LINE

HEAD CLEARANCE:
 CHAINAGE 40 - 5.246m
 CHAINAGE 60 - 5.090m

CUT VOLUME:
 17.556m³

FILL VOLUME:
 139.810m³



CHAINAGE	0+000.000	0+020	0+040	0+060	0+080	0+100	0+105.000
DESIGN LEVELS	44.860	45.338	45.763	45.965	45.935	45.883	45.000
EXISTING LEVELS	44.860	44.975	39.017	39.376	42.514	45.812	45.000
HORIZONTAL ALIGNMENT	L = 9.738	R = 10.000 L = 9.987	R = 10.000 L = 9.845	L = 62.272	R = 10.000 L = 5.088	L = 5.785	
VERTICAL ALIGNMENT		G=2.39% L = 26.702		K = -17.000 L = 66.090		G=-1.50% L = 9.681	



Notes

Clients

Key Plan

Consultant

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 Ireland

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 www.arup.ie

Job Title
 Maynooth to Leixlip Project

Scale at A1
 1:200

Role
 Civil - Highways

Date
 July 2023

Job No	19/07/2023	KD	ACC	GH
Issue	Date	By	Chkd	Appd

Drawing Title
 J5 AT Structure Option 2 (East)
 Plan and Profile
 Sheet 01 of 01

Suitability
 S2 - Suitable for Information

Job No: 272691
 Figure ID: []
 Rev: P01

Drawing No: 272691-ARUP-02-CF-SK-Z-000013