



An Roinn Iompair
Department of Transport

Tionscadal Éireann
Project Ireland
2040



Comhairle Contae Chill Dara
Kildare County Council



MAYNOOTH TO LEIXLIP PROJECT

Maynooth to Leixlip Project

Phase 2 Options Report

Volume B Figures

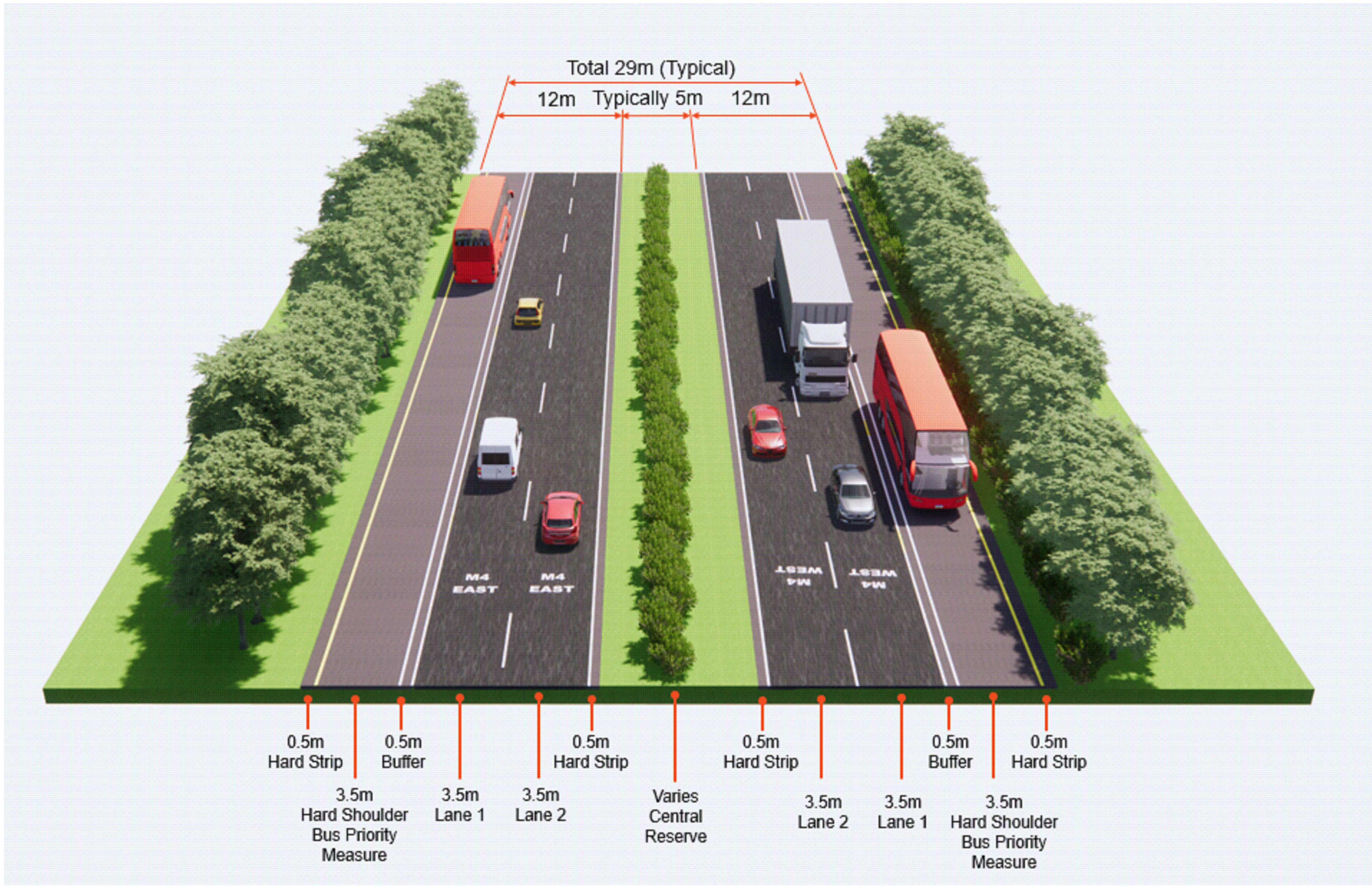
April 2024





MAYNOOTH TO LEIXLIP PROJECT

Corridor Options



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Clients

Key Plan

Consultant

One Albert Quay, Cork, Ireland. T12 X8N6
Tel +353 (0)21 4225200
www.arup.ie

Job Title
Maynooth to Leixlip Project

Scale NTS

Role Civil - Highways

Date March 2022

MAYNOOTH TO LEIXLIP PROJECT

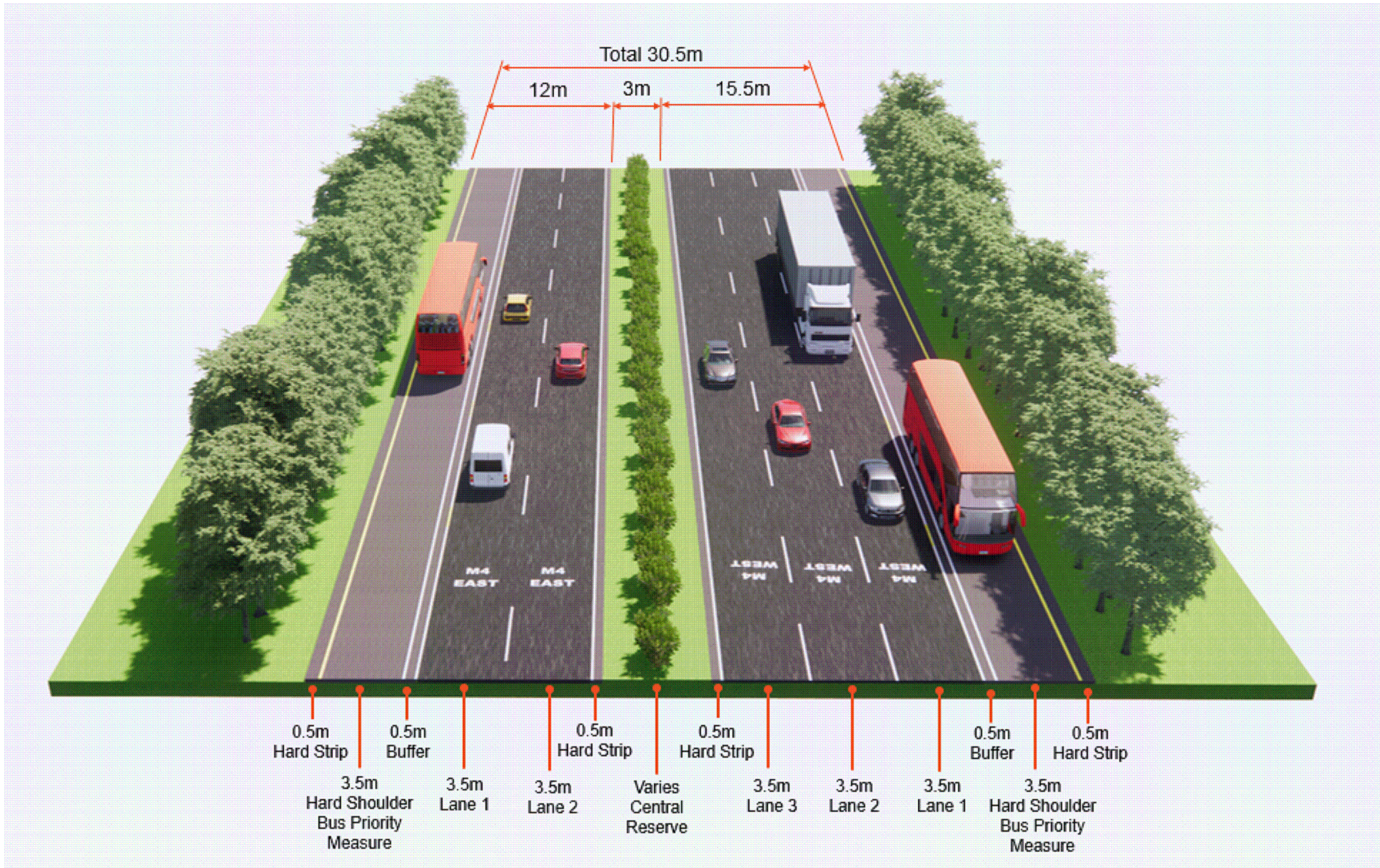
Drawing Title
Corridor Options
Corridor Option 1
Sheet 1 of 1

Suitability
S2 - Suitable for Information Only

Job No 272691 Rev. P01

P01	20/03/2022	JD	GH	SB
S2-Suitable for Information Only				
Issue	Date	By	Chkd	Appd

Drawing No
272691-ARUP-02-OS-SK-Z-000001



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Clients

Tionscald Éireann Project Ireland 2040

Comhairle Contae Átha Cliath Theas South Dublin County Council

An Roinn Iompair Department of Transport

TIIV

NTA Údarás Náisiúnta Iompair National Transport Authority

KILDARE nro NATIONAL ROADS OFFICE

Kildare County Council Comhairle Contae Chill Dara

Key Plan

Consultant

ARUP

One Albert Quay, Cork, Ireland, T12 X8N6

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Job Title

Maynooth to Leixlip Project

Scale NTS

Role Civil - Highways

Date March 2022

ML

MAYNOOTH TO LEIXLIP PROJECT

Drawing Title

Corridor Options Corridor Option 2 Sheet 1 of 1

Suitability

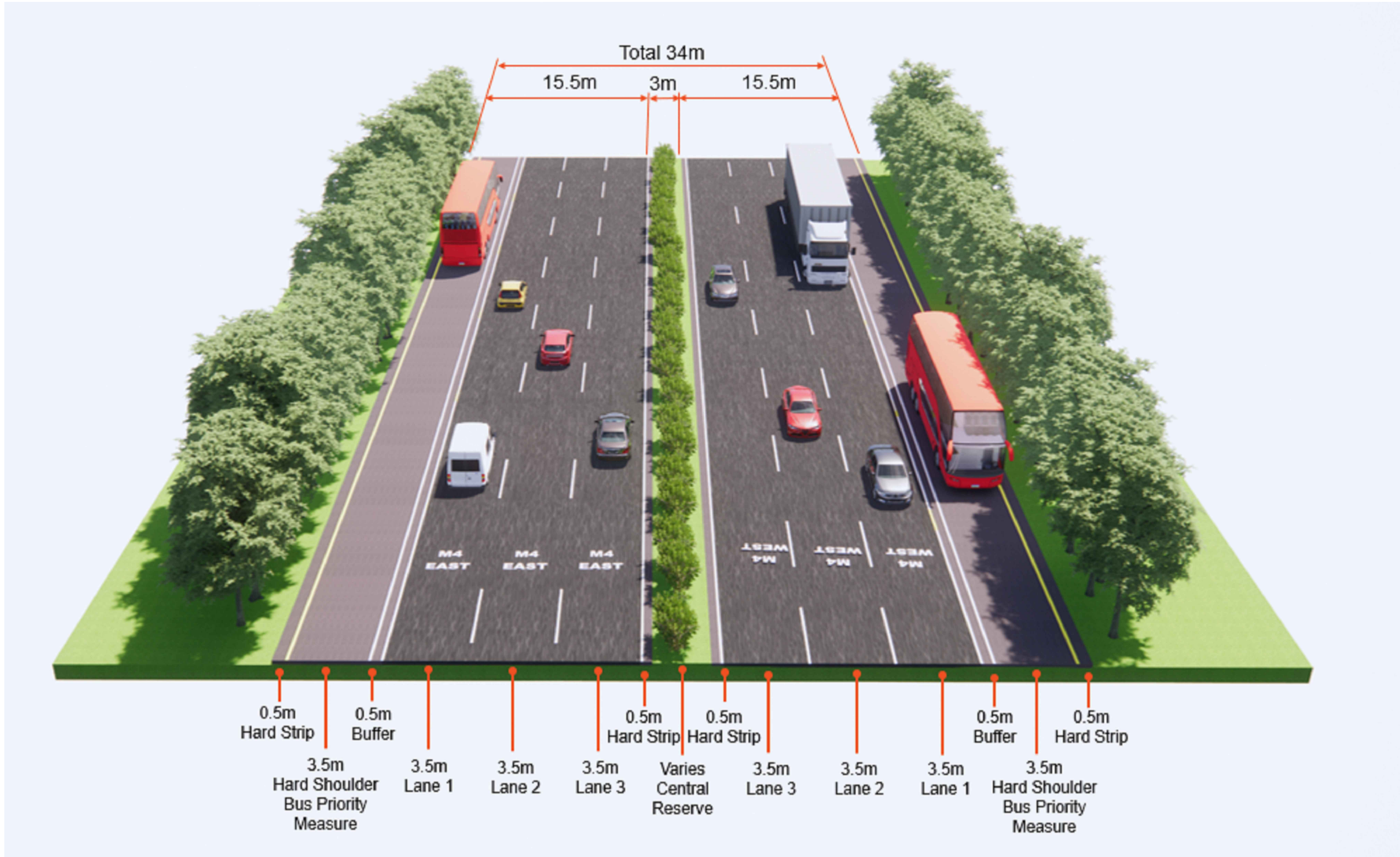
S2 - Suitable for Information Only

Job No 272691 Rev. P01

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S2-Suitable for Information Only				
Issue	Date	By	Chkd	Appd

Drawing No 272691-ARUP-02-OS-SK-Z-000002

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0.5m Hard Strip 0.5m Buffer 0.5m Hard Strip 0.5m Hard Strip 0.5m Buffer 0.5m Hard Strip

3.5m Hard Shoulder Bus Priority Measure 3.5m Lane 1 3.5m Lane 2 3.5m Lane 3 Varies Central Reserve 3.5m Lane 3 3.5m Lane 2 3.5m Lane 1 3.5m Hard Shoulder Bus Priority Measure

Clients

Key Plan

Consultant

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Job Title
Maynooth to Leixlip Project

Scale: NTS

Role: Civil - Highways

Date: March 2022

MAYNOOTH TO LEIXLIP PROJECT

P01	20/03/2022	JD	GH	SB
S2-Suitable for Information Only				
Issue	Date	By	Chkd	Appd

Drawing Title
Corridor Options
Corridor Option 3
Sheet 1 of 1

Suitability
S2 - Suitable for Information Only

Job No: 272691 Rev: P01

Drawing No: 272691-ARUP-02-OS-SK-Z-000003



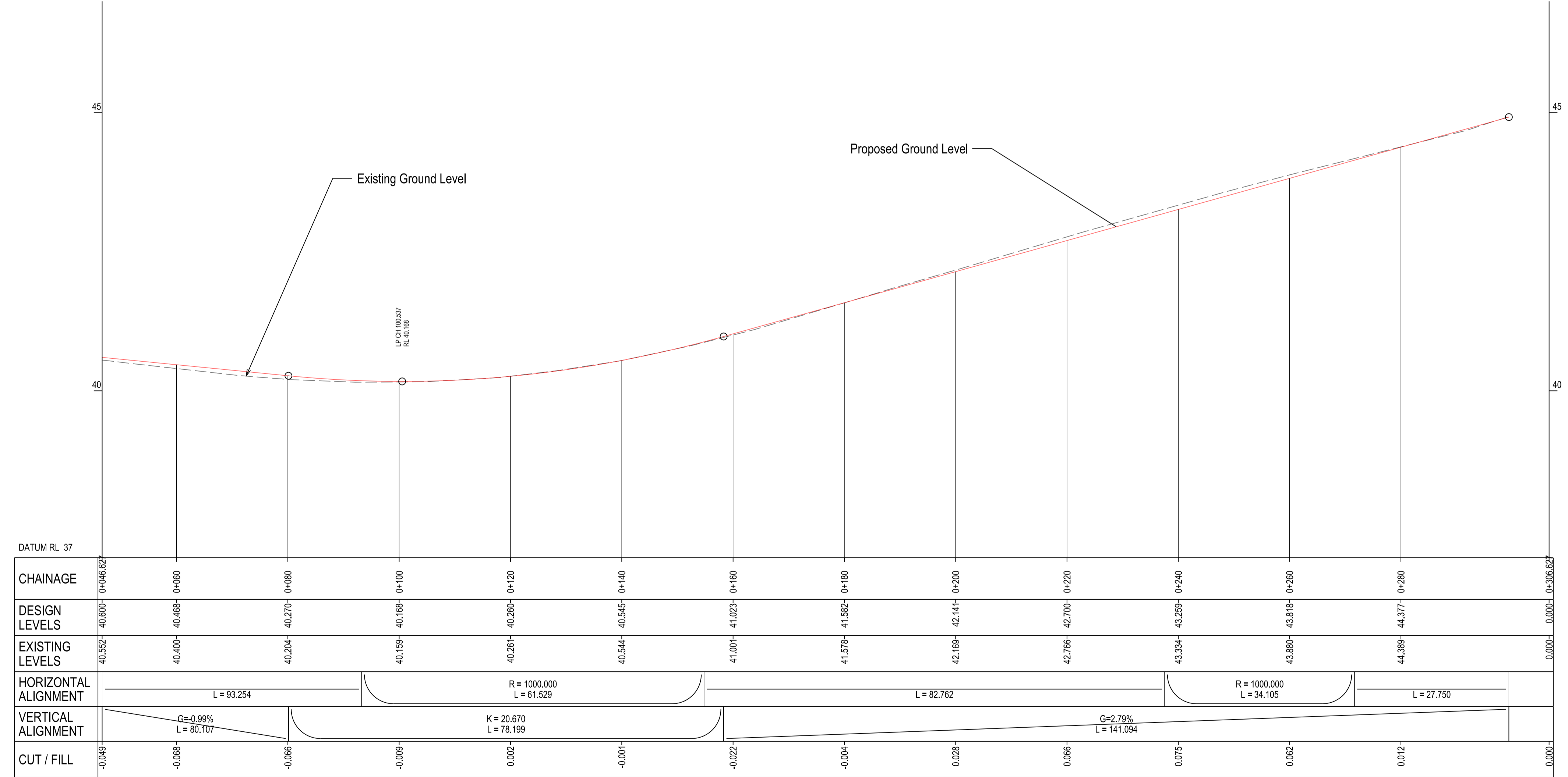
MAYNOOTH TO LEIXLIP PROJECT

Junction 5 Leixlip

1
2
3
4
5
6
7
8
9
10



FOR INFORMATION



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

Job No	Figure ID	Rev.		
272691		P01		
Issue	Date	By	Chkd	Appd

Drawing Title
Junction 5 Eastbound Diverge Plan and Profile Sheet 01 of 01

Suitability
S2 - Suitable for Information

Drawing No
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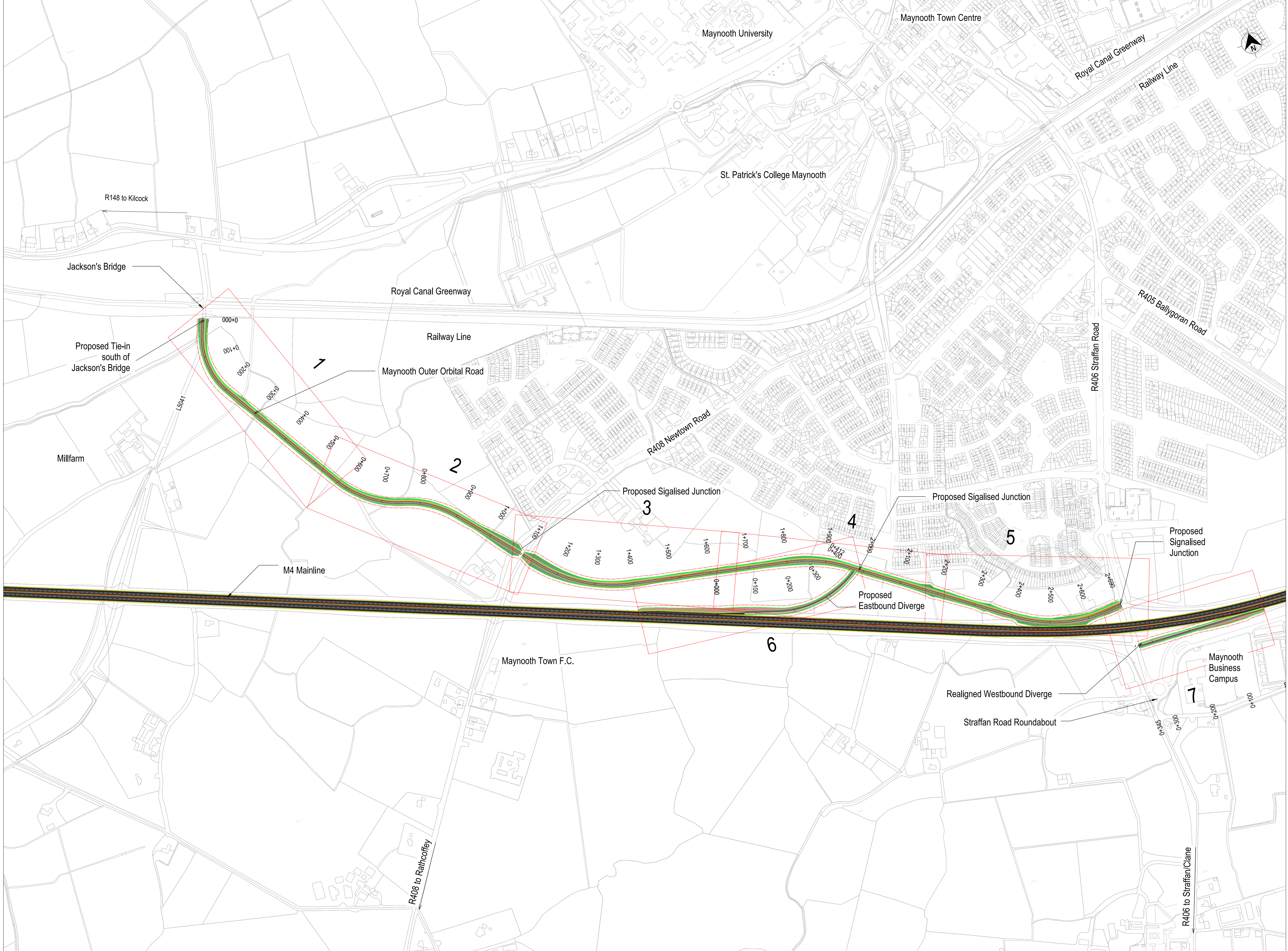


MAYNOOTH TO LEIXLIP PROJECT

Junction 7 Maynooth

**Option 1 – Improve / Optimise Existing Junction
Plan and Profile Drawings**

FOR INFORMATION



Notes

Do not scale

Clients

Key Plan

Consultant

Job Title
Maynooth to Leixlip
Project



Scale at A1
1:5000
Role
Civil - Highways
Date
October 2023

P02	05/10/2023	KD	GH	SB
Issued For Information (Status S2)				
P01	20/07/2023	KD	ACC	GH
Issued For Information (Status S2)				
Issue	Date	By	Chkd	Appd

Drawing Title
**Stage 2 Junction 7 Option 1
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-000014



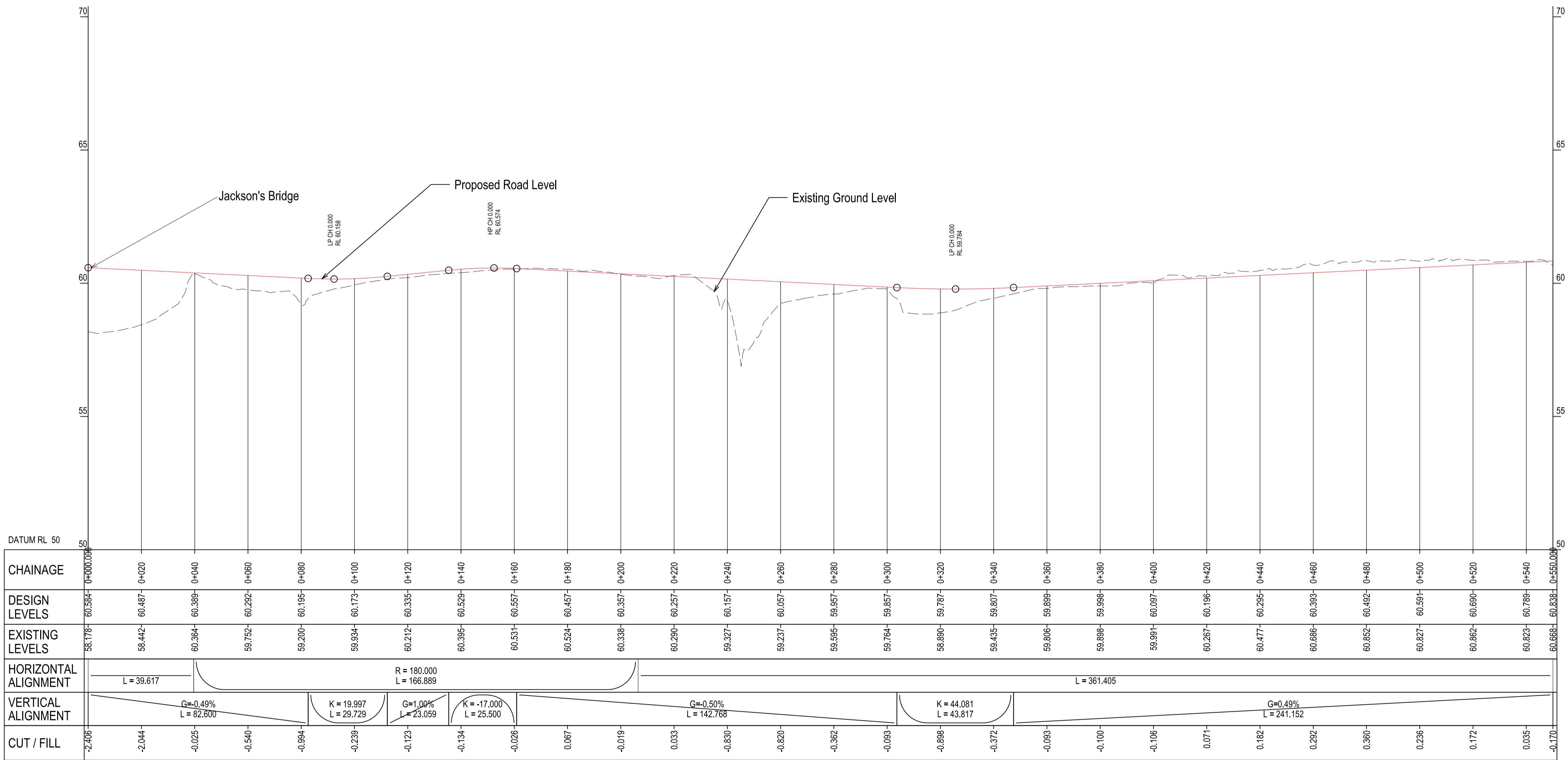


FOR INFORMATION

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

CUT VOLUME:
 MOOR L5041-R408 - 4.420m³
 MOOR R408-R406 - 8.226m³
 EB SLIP ROAD - 11.450m³
 WB SLIP ROAD - 2.513m³

FILL VOLUMES:
 MOOR L5041-R408 - 7.138m³
 MOOR R408-R406 - 17.466m³
 EB SLIP ROAD - 20m³
 WB SLIP ROAD - 70m³



Notes

Clients

Key Plan

Consultant

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Job Title
Maynooth to Leixlip Project

Scale at A1
1:1000

Role
Civil - Highways

Date
September 2023

Issue	Date	By	Chkd	Appd
P02	04/09/2023	KD	GH	SB
Issued For Information (Status S2)				
P01	20/07/2023	KD	ACC	GH
Issued For Information (Status S2)				

Drawing Title
Stage 2 Junction 7 Option 1
Plan and Profile
Sheet 01 of 07

Suitability
S2 - Suitable for Information

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

Drawing No
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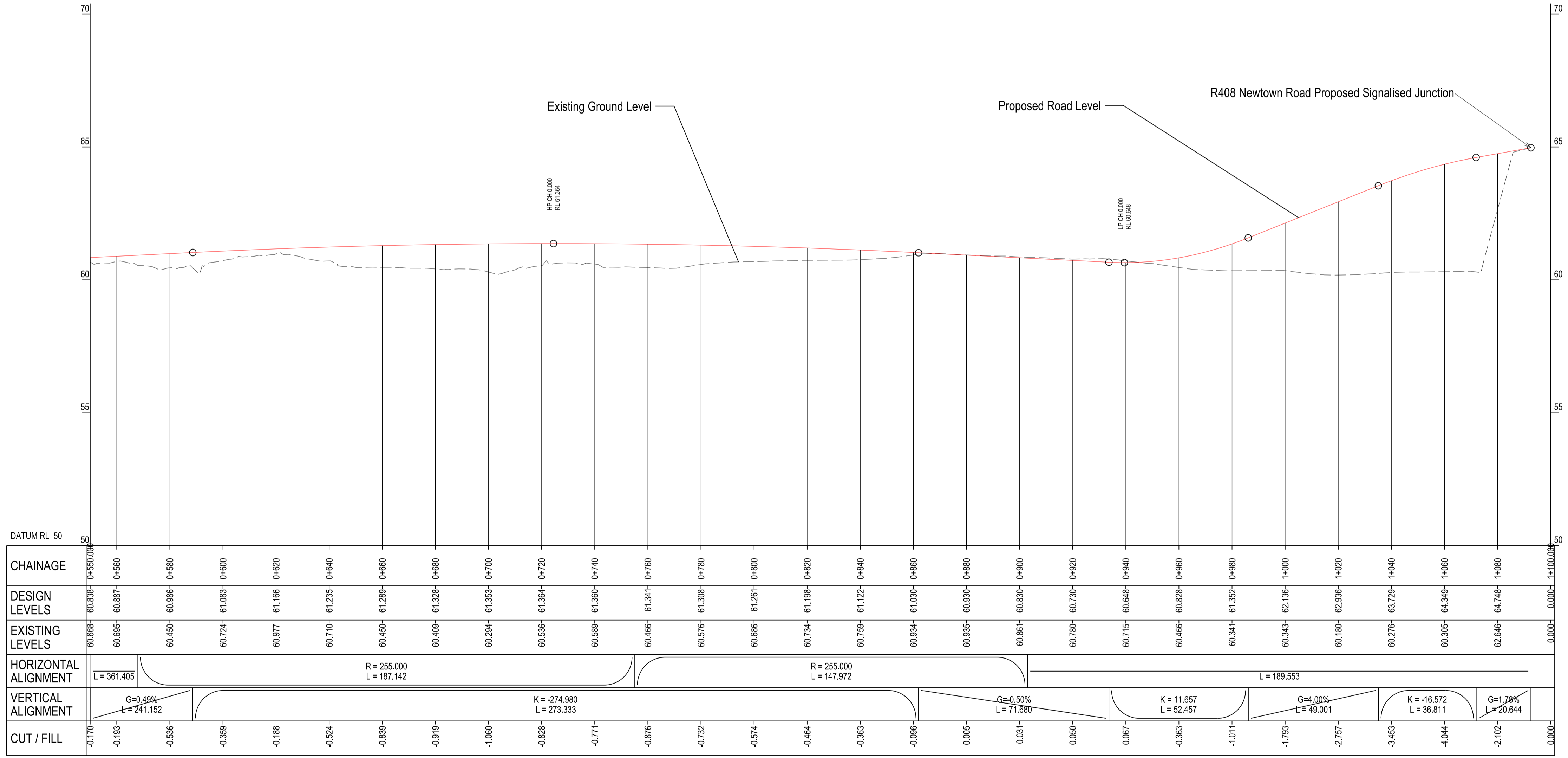


FOR INFORMATION

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

CUT VOLUME:
 MOOR L5041-R408 - 4,420m³
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 MOOR R408-R406 - 17,466m³
 EB SLIP ROAD - 20m³
 WB SLIP ROAD - 70m³



Notes

Clients

Key Plan

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Job Title
Maynooth to Leixlip Project

Scale at A1
1:1000

Role
Civil - Highways

Date
October 2023

Issue	Date	By	Chkd	Appd
P02	05/10/2023	KD	GH	SB
Issued For Information (Status S2)				
P01	20/07/2023	KD	ACC	GH
Issued For Information (Status S2)				

Drawing Title
Stage 2 Junction 7 Option 1
Plan and Profile
Sheet 02 of 07

Suitability
S2 - Suitable for Information

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

Drawing No: **272691-ARUP-02-CF-SK-Z-000016**

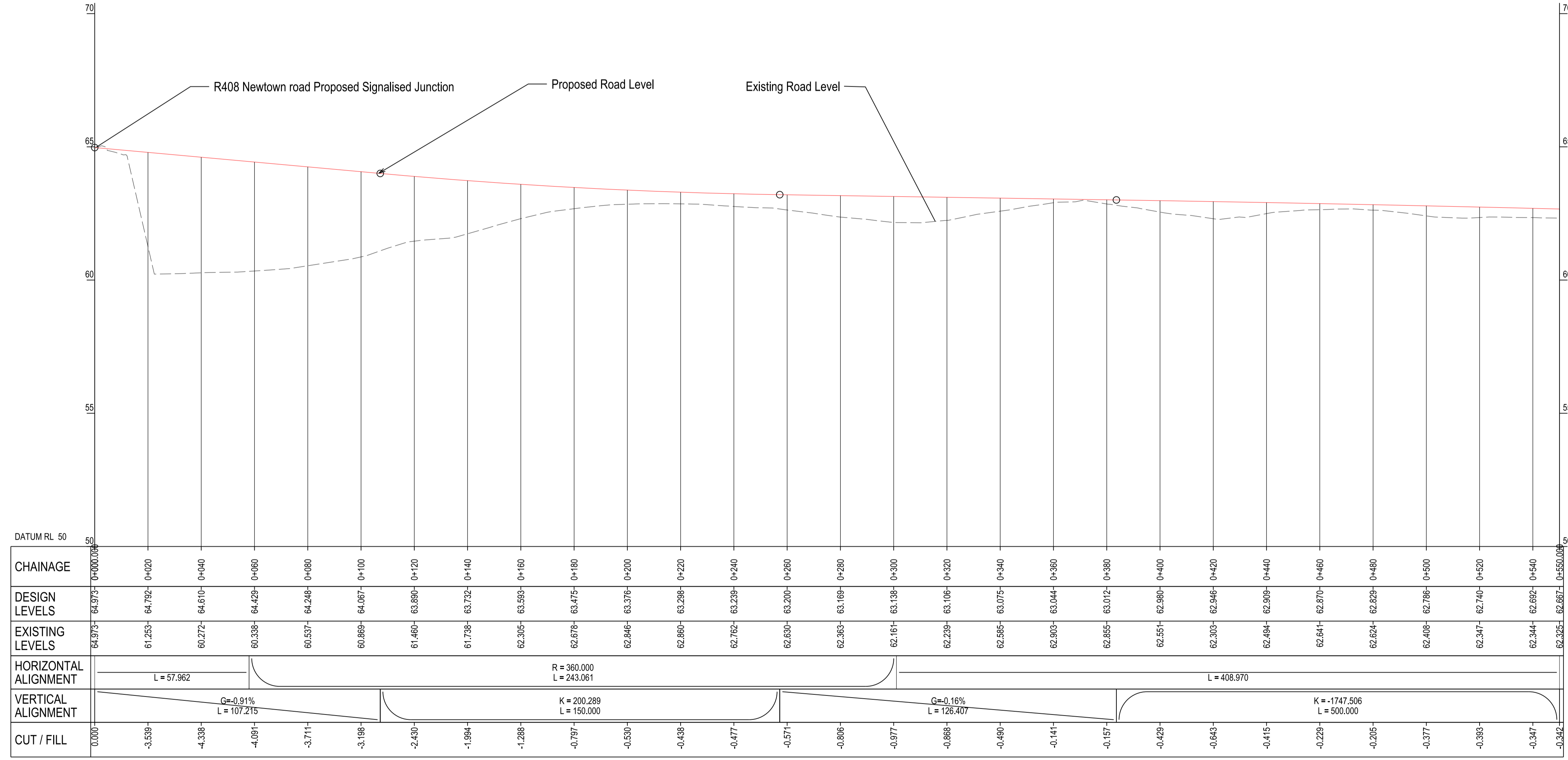


FOR INFORMATION

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

CUT VOLUME:
 MOOR L5041-R408 - 4,420m³
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 EB SLIP ROAD - 20m³
 WB SLIP ROAD - 70m³



Notes

Clients

Key Plan

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Job Title
Maynooth to Leixlip Project

Scale at A1
1:1000

Role
Civil - Highways

Date
October 2023

Issue	Date	By	Chkd	Appd
P02	05/10/2023	KD	GH	SB
Issued For Information (Status S2)				
P01	20/07/2023	KD	ACC	GH
Issued For Information (Status S2)				

Drawing Title
Stage 2 Junction 7 Option 1
Plan and Profile
Sheet 03 of 07

Suitability
S2 - Suitable for Information

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

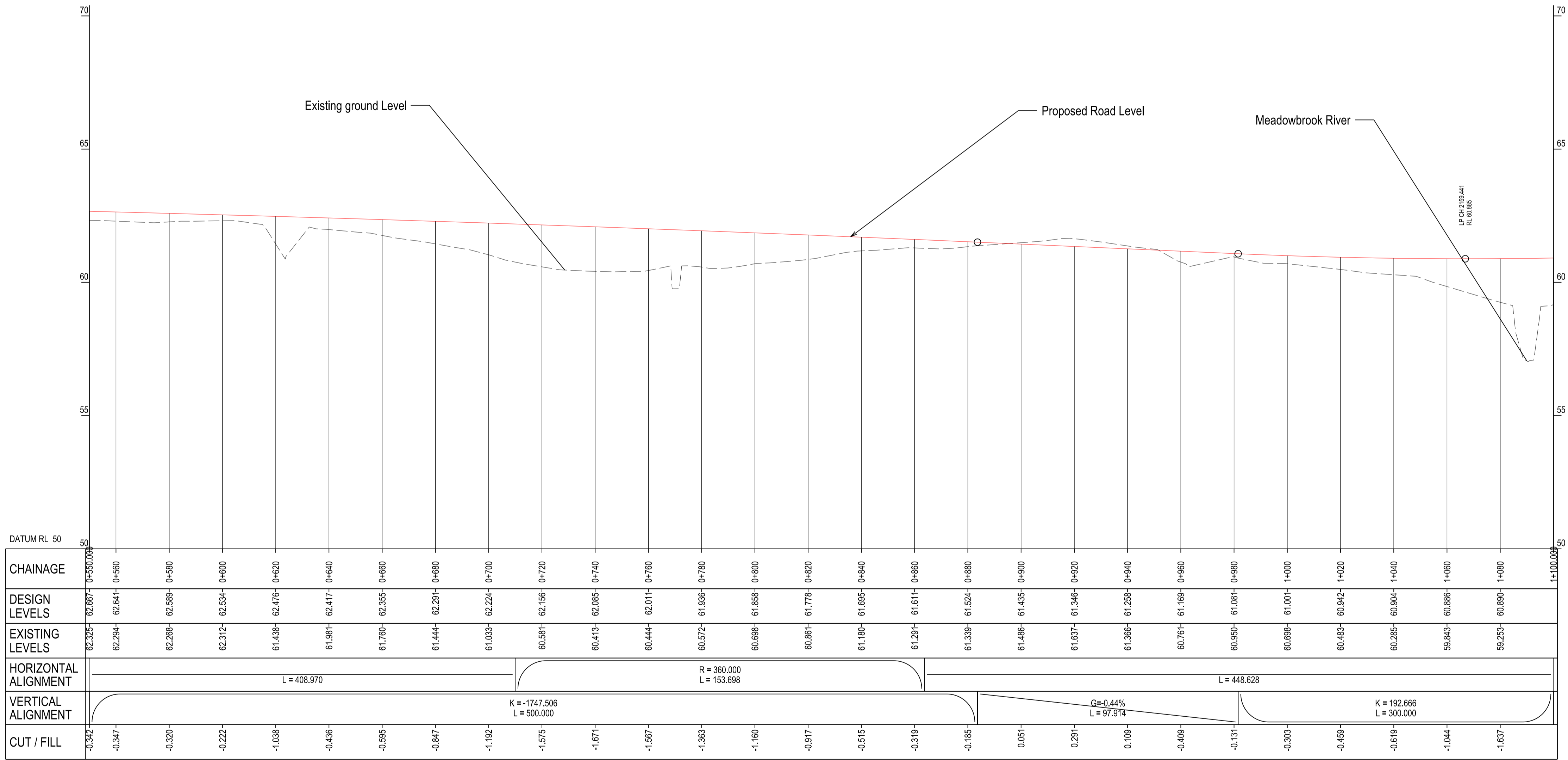
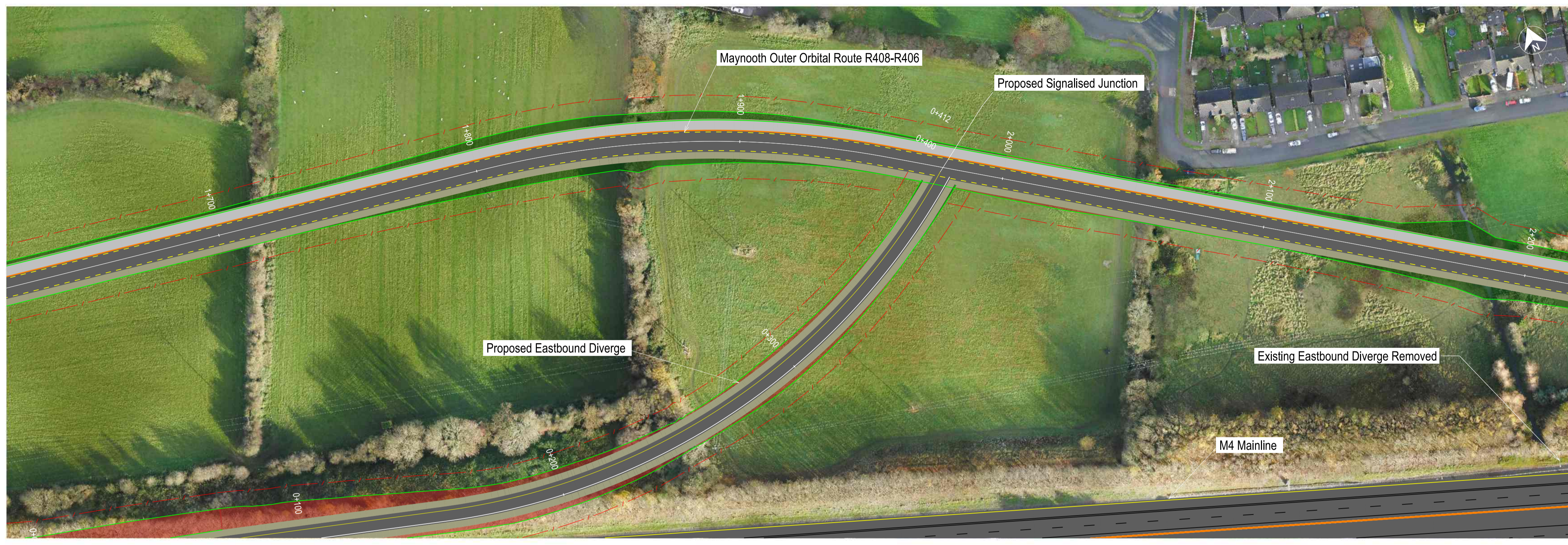
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FOR INFORMATION

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

CUT VOLUME:
 MOOR L5041-R408 - 4,420m³
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Scale at A1
1:1000

Role
Civil - Highways

Date
October 2023

Issue	Date	By	Chkd	Appd
P02	05/10/2023	KD	GH	SB
Issued For Information (Status S2)				
P01	20/07/2023	KD	ACC	GH
Issued For Information (Status S2)				

Drawing Title
Stage 2 Junction 7 Option1
Plan and Profile
Sheet 04 of 07

Suitability
S2 - Suitable for Information

Job No
272691

Figure ID
272691-ARUP-02-CF-SK-Z-000018

Rev.
P02

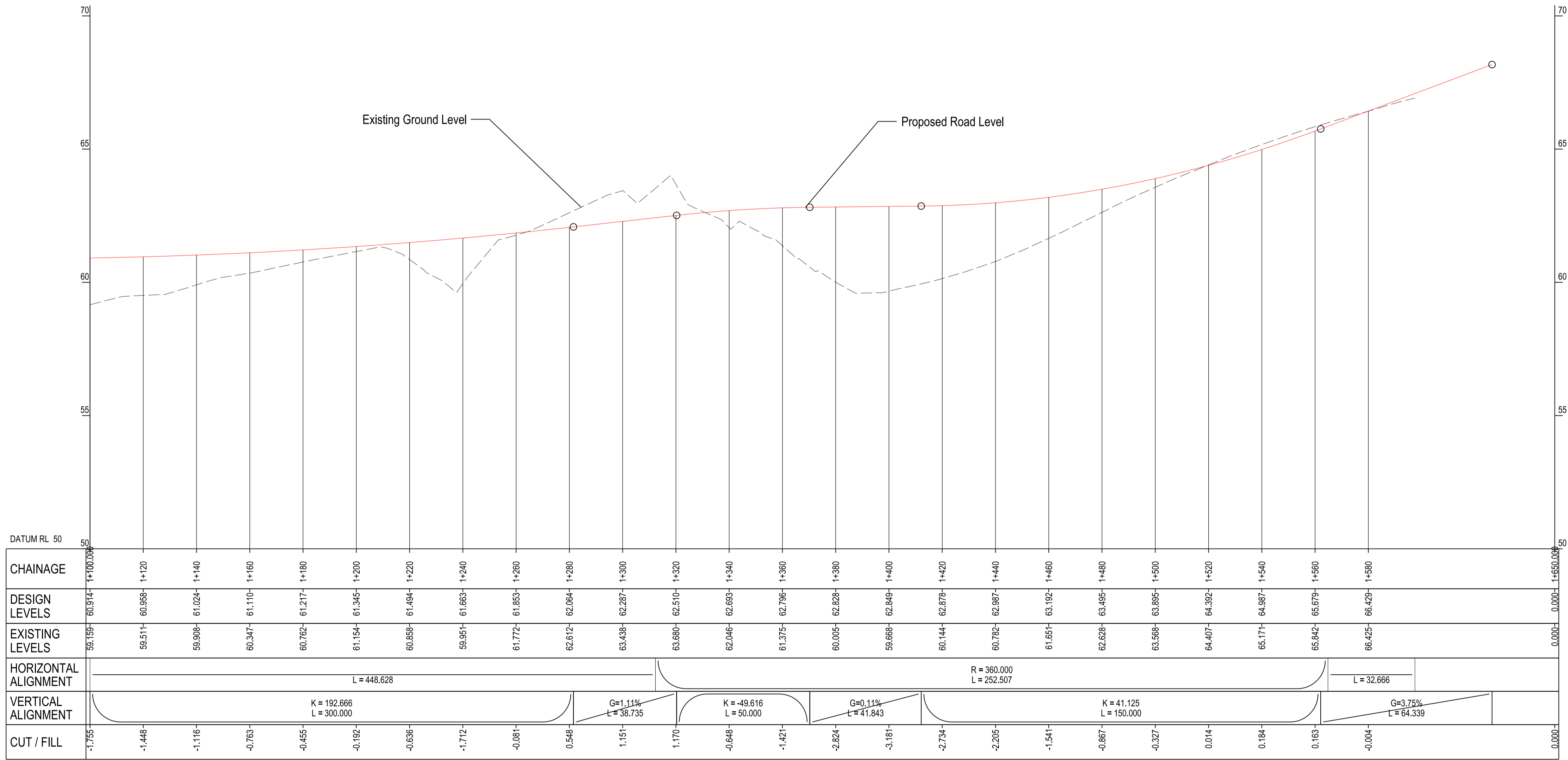


FOR INFORMATION

- LEGEND - PLAN**
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 - CUT
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1:1000

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P02	05/10/2023	KD	GH	SB
Issued For Information (Status S2)				
P01	20/07/2023	KD	ACC	GH
Issued For Information (Status S2)				

Drawing Title
Stage 2 Junction 7 Option 1
Plan and Profile
Sheet 05 of 07

Suitability
S2 - Suitable for Information

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

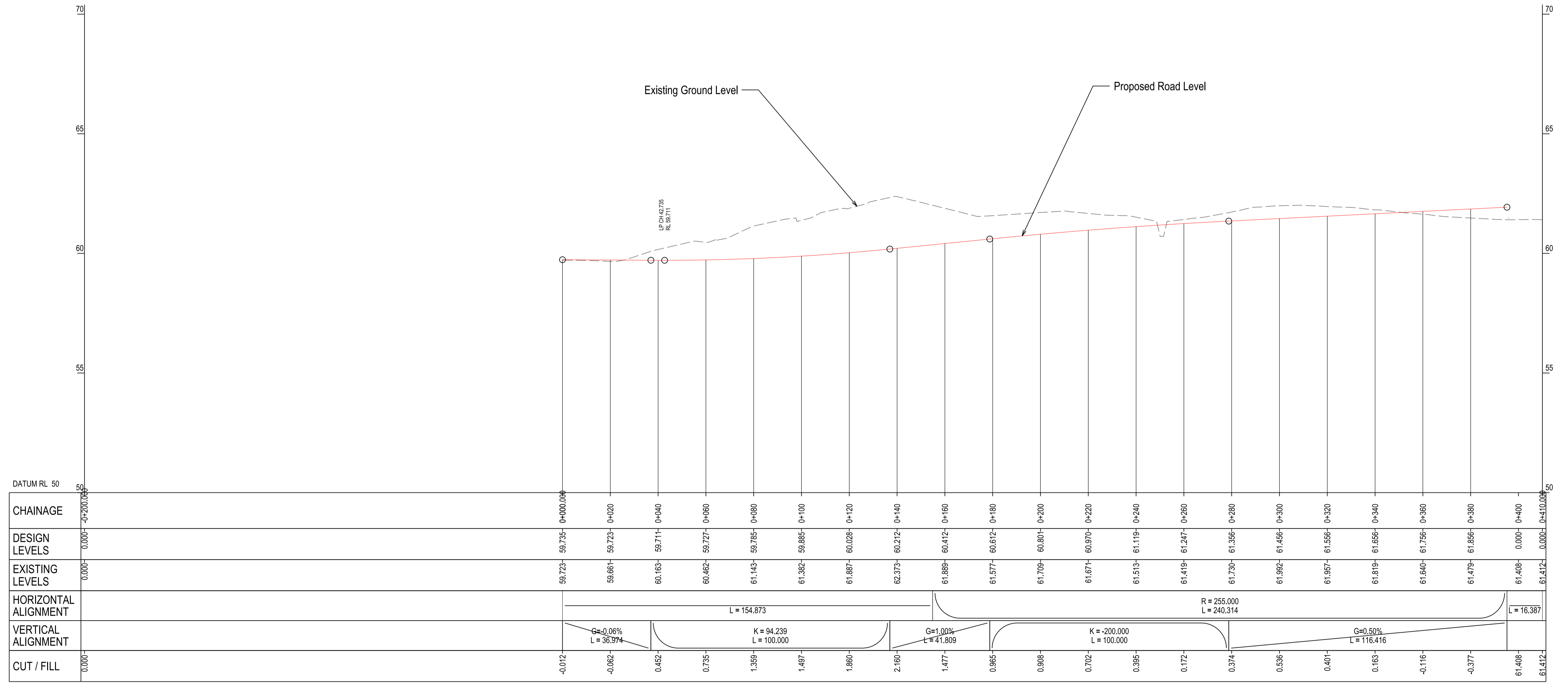
Drawing No
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FOR INFORMATION

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

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Scale at A1
1:1000

Role
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September 2023

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P02	04/09/2023	KD	GH	SB
Issued For Information (Status S2)				
P01	20/07/2023	KD	ACC	GH
Issued For Information (Status S2)				

Drawing Title
Stage 2 Junction 7 Option 1
Plan and Profile
Sheet 06 of 07

Suitability
S2 - Suitable for Information

Job No
272691

Figure ID
272691-ARUP-02-CF-SK-Z-000020

Rev.
P02

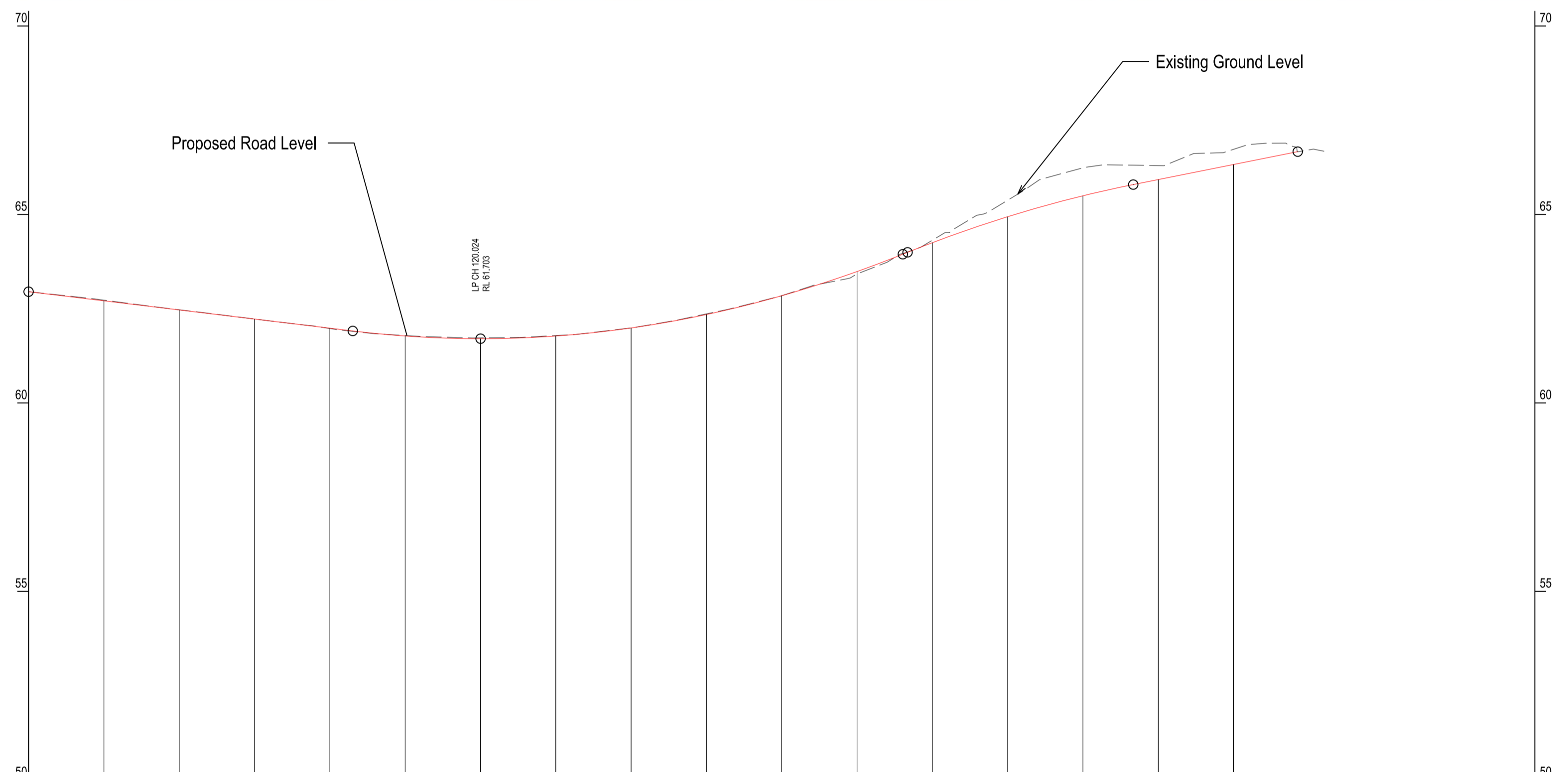


FOR INFORMATION

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 MOOR R408-R406 - 17.466m³
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 WB SLIP ROAD - 70m³



DATUM RL 50	0+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+280	0+300	0+320	0+340	0+400
CHAINAGE	0+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+280	0+300	0+320	0+340	0+400
DESIGN LEVELS	62.356	62.708	62.466	62.224	61.982	61.775	61.703	61.775	61.988	62.345	62.844	63.485	64.251	64.940	65.496	65.926	66.326	66.713	66.713
EXISTING LEVELS	62.356	62.725	62.470	62.226	61.973	61.787	61.725	61.786	61.989	62.361	62.844	63.422	64.316	65.377	66.237	66.297	66.728	66.713	66.713
HORIZONTAL ALIGNMENT	L = 345.165																		
VERTICAL ALIGNMENT	G=-1.21% L=86.087 K=28.048 L=146.068 G=4.00% L=263 K=-30.000 L=59.935 G=2.00% L=43.680																		
CUT / FILL	0.000	0.017	0.004	0.002	-0.009	0.013	0.022	0.012	0.001	0.017	0.001	-0.063	0.065	0.436	0.741	0.371	0.403	66.713	0.000



Notes

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Scale at A1
1:1000

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September 2023

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P01	20/07/2023	KD	ACC	GH
Issued For Information (Status S2)				
Issue	Date	By	Chkd	Appd

Drawing Title
Stage 2 Junction 7 Option 1
Plan and Profile
Sheet 07 of 07

Suitability
S2 - Suitable for Information

Job No
272691

Figure ID
Rev.

Rev.
P02

Drawing No
272691-ARUP-02-CF-SK-Z-000021