

GENERAL LAYOUT LEGEND	
	MILES POST
	ACCUMULATIVE STATION POINTS
	SECTION INFORMATION
	FLOODING AREAS
	RUNNING LINES
	PROPOSED TRACKWORK ON BALLAST
	TRACKWORK TO SLEW/ TO BE REMOVED
	FLOOD PROTECTION SLAB
	NEW TRACK EQUIPMENT
	EXISTING OVERBRIDGE
	OVERBRIDGE REBUILD/LIFTING
	OVERBRIDGE/LEVEL CROSSING TO BE REMOVED
	PROPOSED ROAD/PEDESTRIAN BRIDGE
	EXISTING UNDERBRIDGE
	UNDERBRIDGE REBUILD/LIFTING
	TRANSITION SLAB

REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY
1.0	JAN 2026	Suitable for Review & Comment	JSA	MRI	CCH

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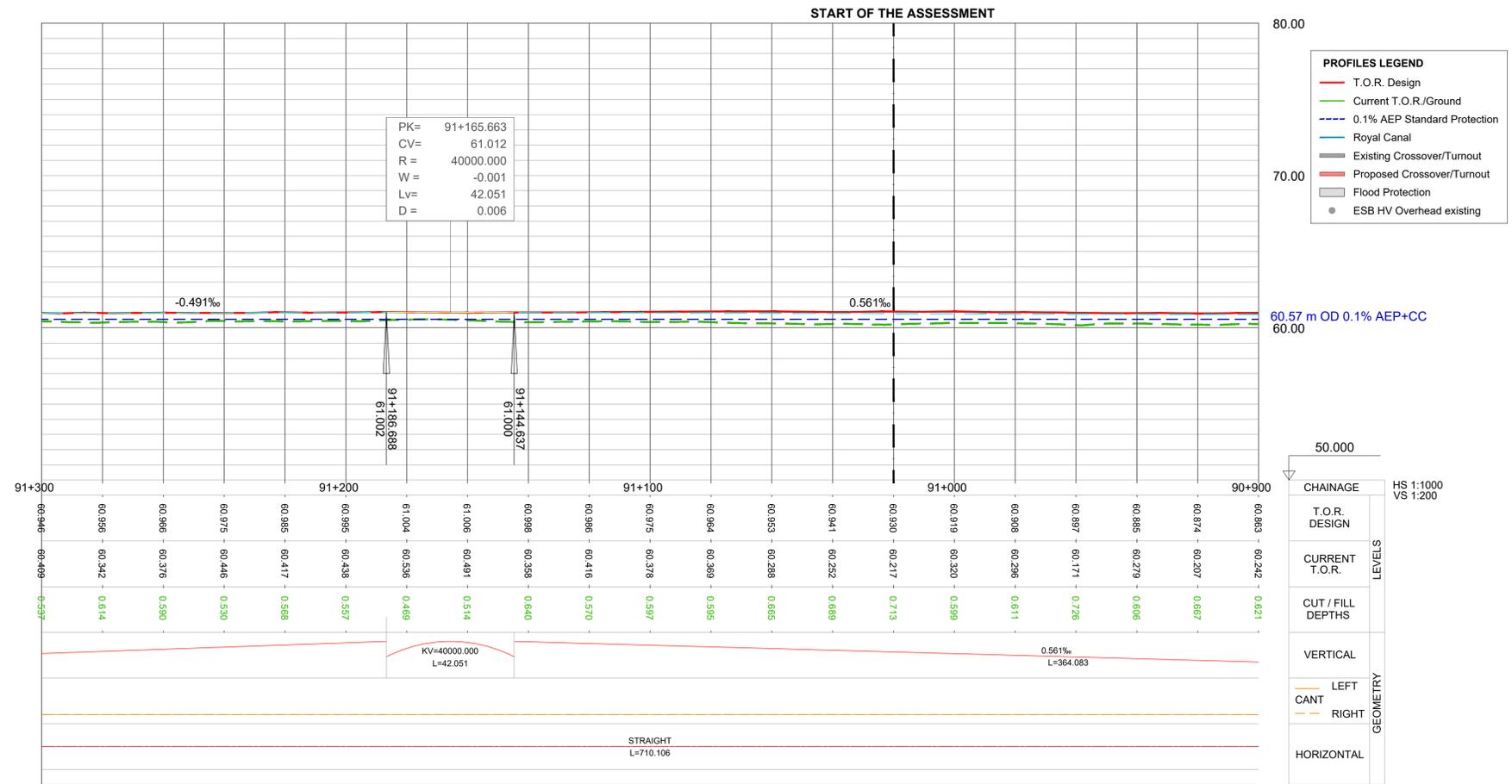
Project

Drawing Title: JACKSON'S BRIDGE (OBG23) MCA ALTERNATIVE 1 LAYOUT

Scale: 1:2000 @A1

Drawing Number	Project	Subproject	Element or System	Type	Originator	Project Role	Number
DART DEP	005	DR	IDOM	CE	0001		

Date:	Job No:	Status:	Version:	Sheet:
JANUARY 2026	P/104350	S3	1.0	1 of 1



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Consultant

Project

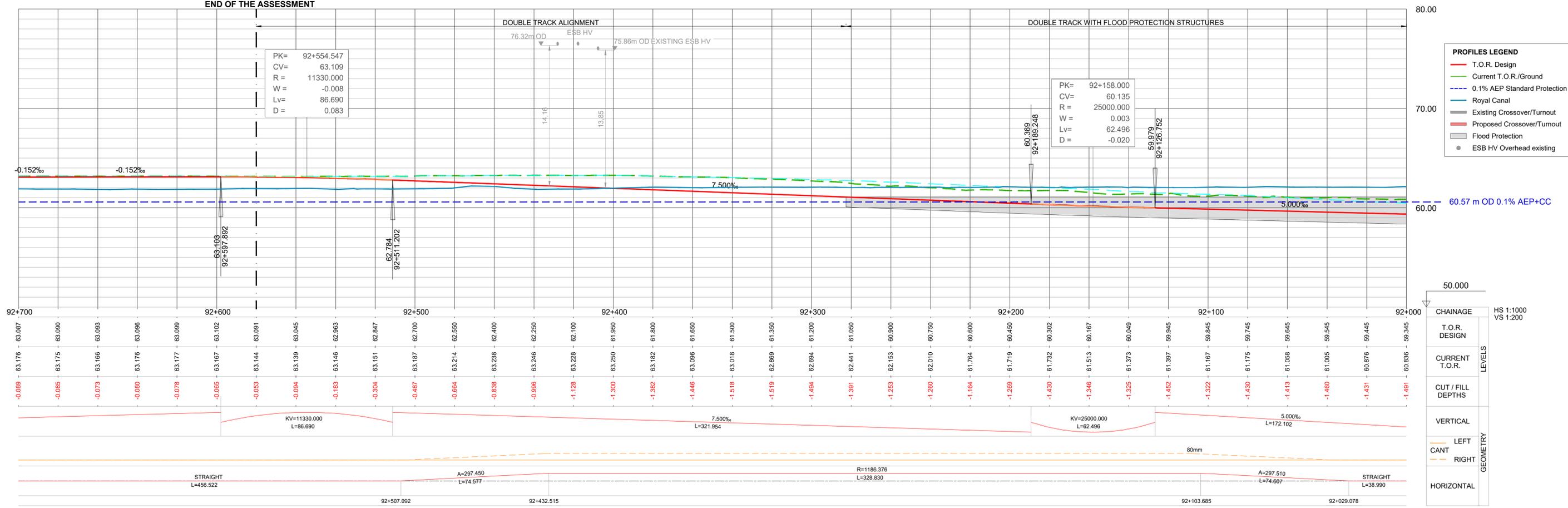
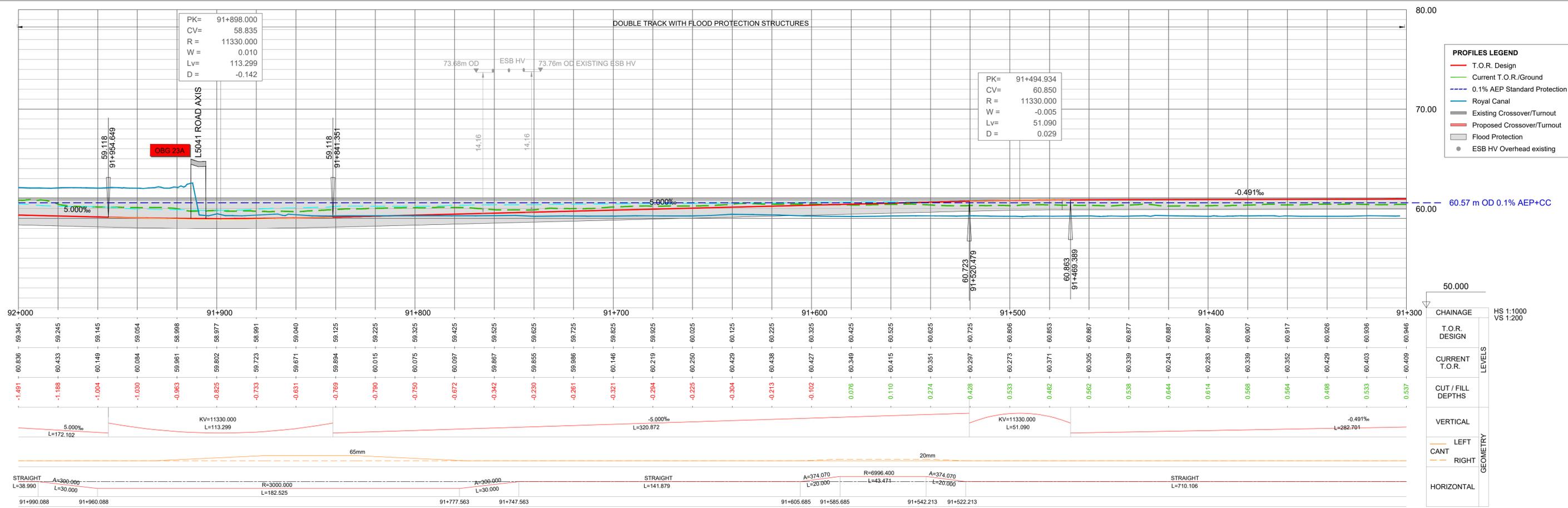
Drawing Title

**JACKSON'S BRIDGE (OBG23) MCA
ALTERNATIVE 1
LONGITUDINAL PROFILES**

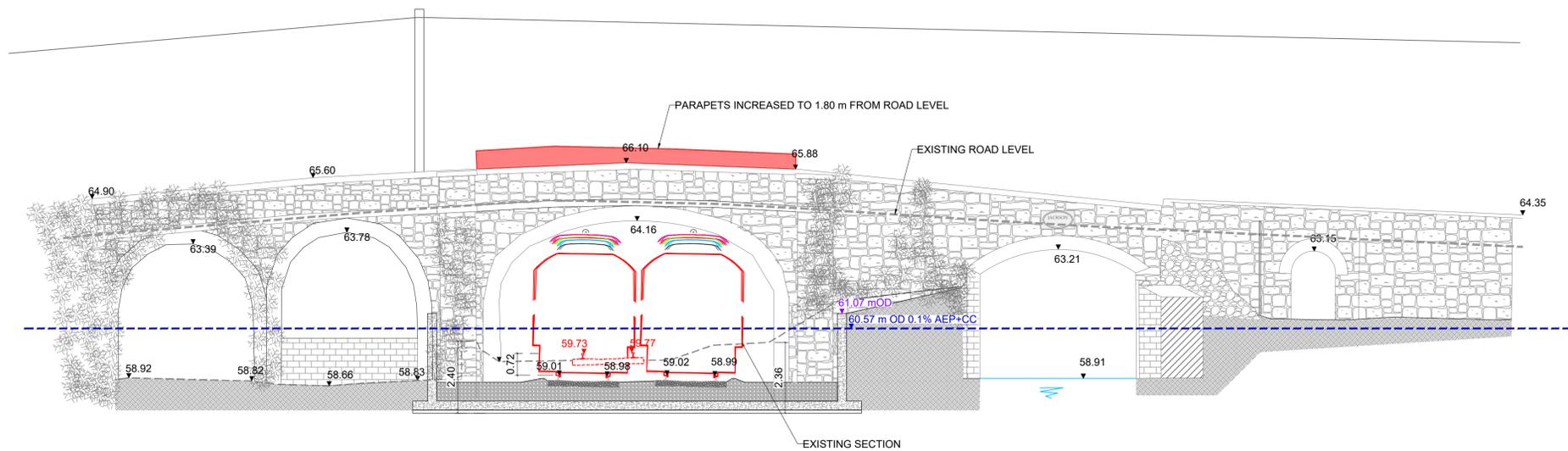
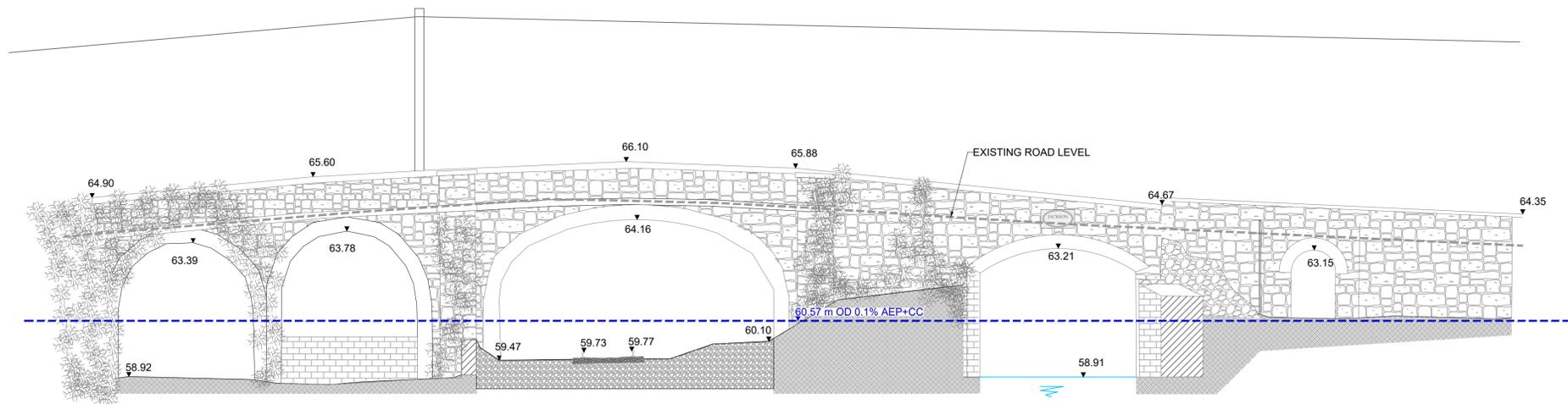
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Drawing Number | Project | Subproject | Element or System | Type | Originator | Project Role | Number
 DART DEP 005 DR IDOM CE 0002

Date: JANUARY 2026 Job No: P/104350 Status: S3 Version: 1.0 Sheet: 1 of 2



				JACKSON'S BRIDGE (OBG23) MCA ALTERNATIVE 1 LONGITUDINAL PROFILES	
1.0 JAN 2026 Suitable for Review & Comment PRODUCED BY JSA MRI CCH REVIEWED BY	Consultant: IDOM and PROD			Drawing Number: DART DEP 005 DR IDOM CE 0002	
Scale: H 1:1000@A1 - V 1:200@A1 		Date: JANUARY 2026 Job No: P/104350 Status: S3		Version: 1.0 Sheet: 2 of 2	



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Project

Drawing Title

JACKSON'S BRIDGE (OBG23) MCA
ALTERNATIVE 1
TYPICAL CROSS SECTION

Scale: 1:100 @A1

Drawing Number | Project | Subproject | Element or System | Type | Originator | Project Role | Number

DART	DEP	005	DR	IDOM	CE	0003
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Date: JANUARY 2026 | Job No: P/104350 | Status: S3 | Version: 1.0 | Sheet: 1 of 1



GENERAL LAYOUT LEGEND	
	MILES POST
	ACCUMULATIVE STATION POINTS
	SECTION INFORMATION
	FLOODING AREAS
	RUNNING LINES
	PROPOSED TRACKWORK ON BALLAST
	TRACKWORK TO SLEW/ TO BE REMOVED
	FLOOD PROTECTION SLAB
	NEW TRACK EQUIPMENT
	EXISTING OVERBRIDGE
	OVERBRIDGE REBUILD/LIFTING
	OVERBRIDGE/LEVEL CROSSING TO BE REMOVED
	PROPOSED ROAD/PEDESTRIAN BRIDGE
	EXISTING UNDERBRIDGE
	UNDERBRIDGE REBUILD/LIFTING
	TRANSITION SLAB

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Project

Drawing Title

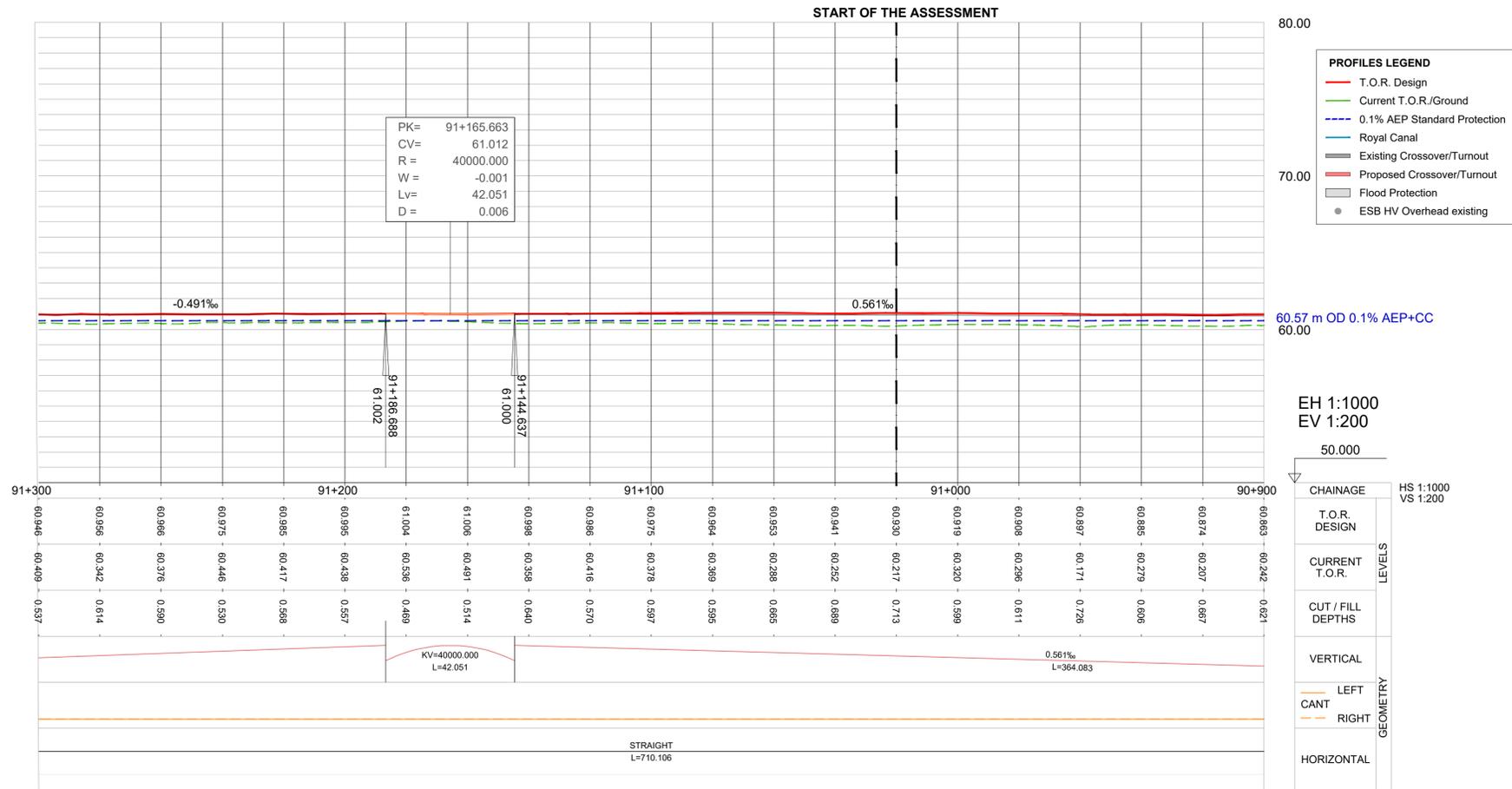
JACKSON'S BRIDGE (OBG23) MCA ALTERNATIVE 2 LAYOUT

Scale: 1:1000 @A1

Drawing Number | Project | Subproject | Element or System | Type | Originator | Project Role | Number

DART DEP 005 DR IDOM CE 0020

Date: JANUARY 2026 Job No: P/104350 Status: S3 Version: 1.0 Sheet: 1 of 1



- PROFILES LEGEND**
- T.O.R. Design
 - Current T.O.R./Ground
 - - - 0.1% AEP Standard Protection
 - Royal Canal
 - Existing Crossover/Turnout
 - Proposed Crossover/Turnout
 - Flood Protection
 - ESB HV Overhead existing

EH 1:1000
EV 1:200
50.000
HS 1:1000
VS 1:200

LEVELS	
CHAINAGE	
T.O.R. DESIGN	
CURRENT T.O.R.	
CUT / FILL DEPTHS	
GEOMETRY	
VERTICAL	
CANT	LEFT RIGHT
HORIZONTAL	

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Consultant

Project

Drawing Title

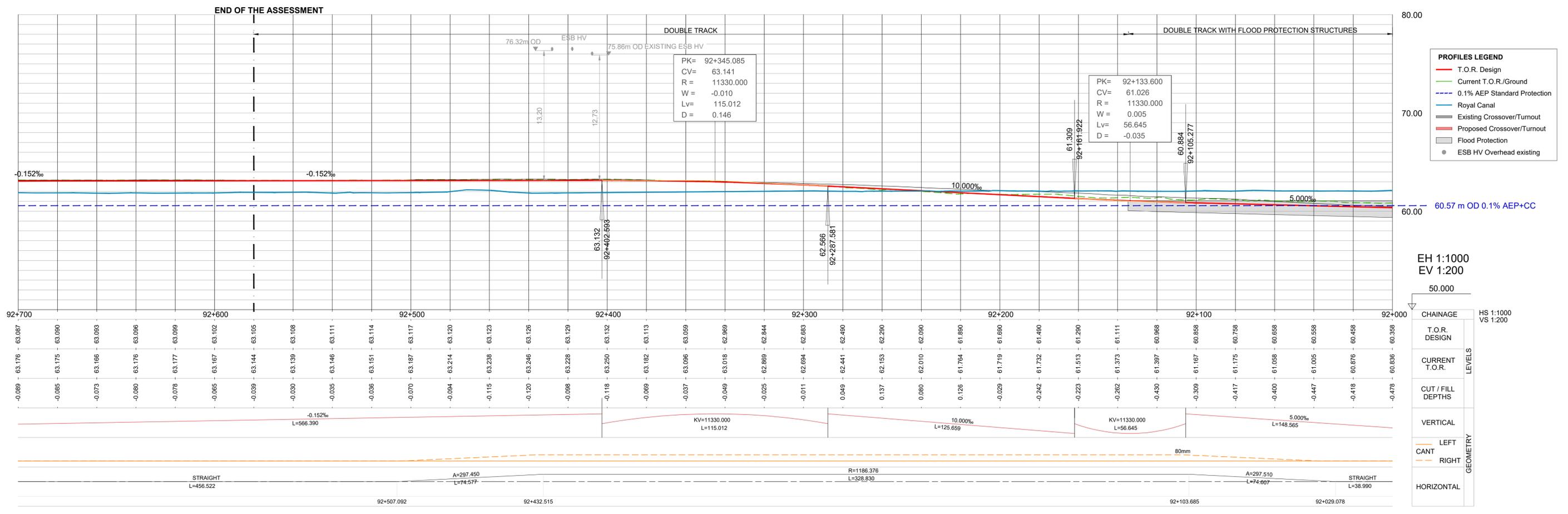
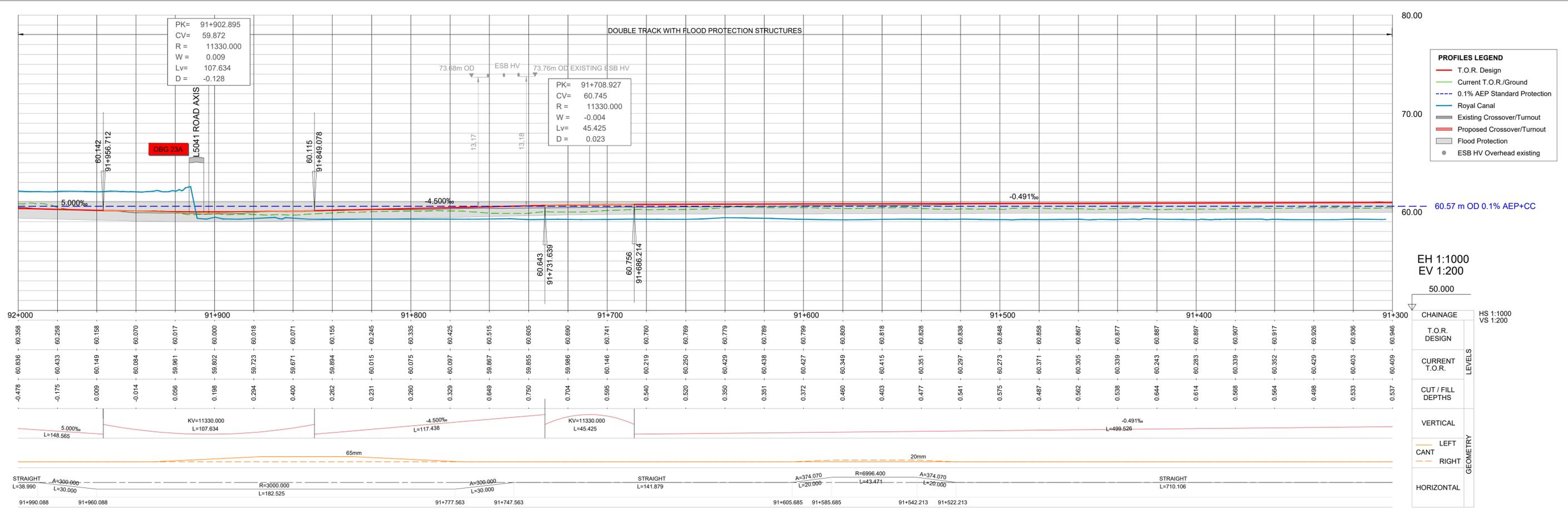
JACKSON'S BRIDGE (OBG23) MCA
ALTERNATIVE 2
LONGITUDINAL PROFILES

Scale: H 1:1000@A1 - V 1:200@A1

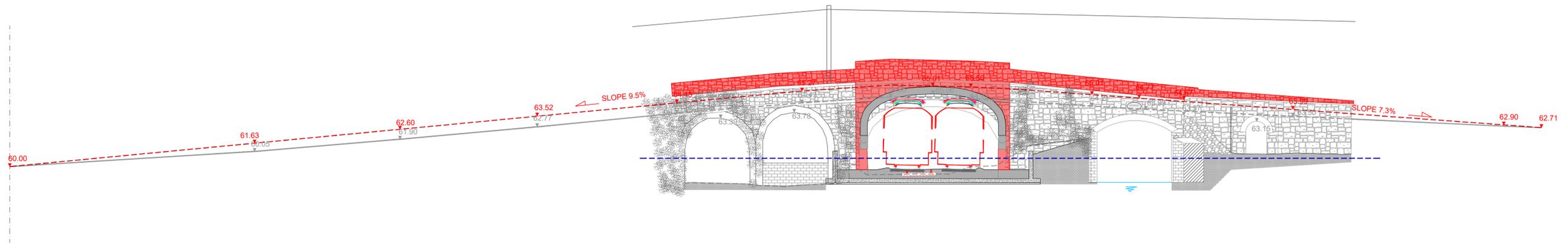
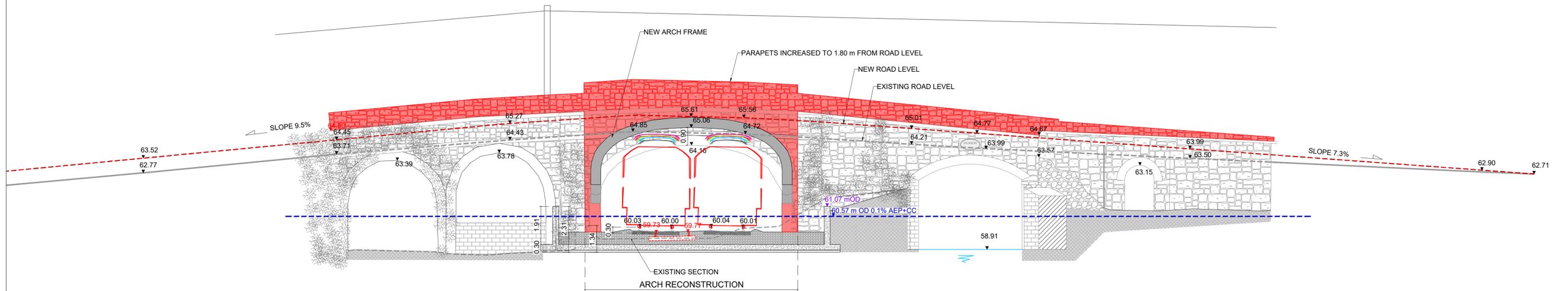
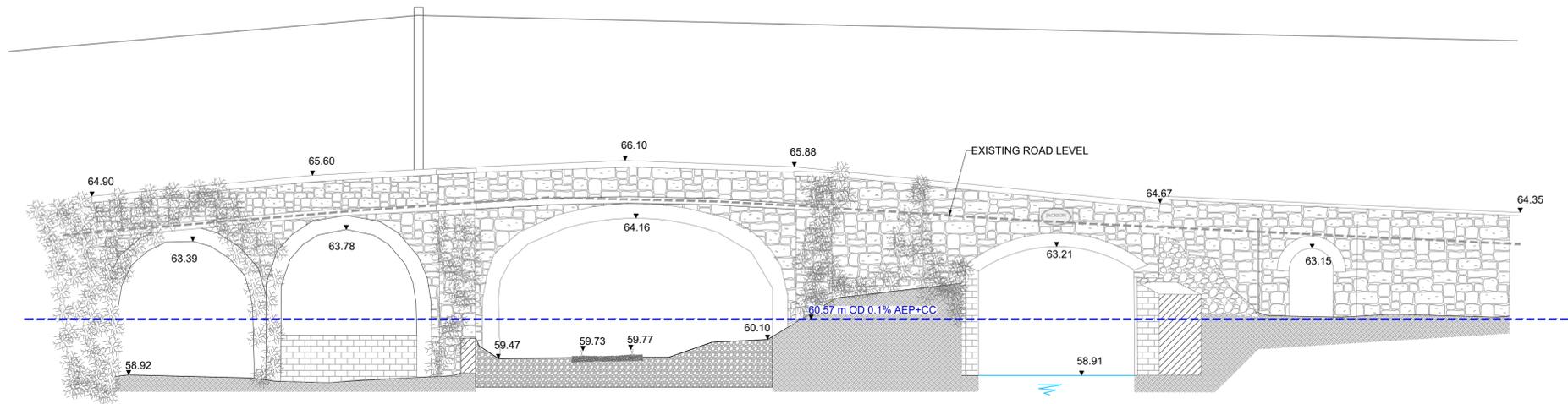
Drawing Number | Project | Subproject | Element or System | Type | Originator | Project Role | Number

DART DEP 005 DR IDOM CE 0021

Date: JANUARY 2026 Job No: P/104350 Status: S3 Version: 1.0 Sheet: 1 of 2



				JACKSON'S BRIDGE (OBG23) MCA ALTERNATIVE 2 LONGITUDINAL PROFILES	
1.0 JAN 2026 Suitable for Review & Comment JSA MRI CCH	PRODUCED BY REVIEWED BY APPROVED BY	Scale: H 1:1000@A1 - V 1:200@A1	Drawing Number: DART DEP 005 DR IDOM CE 0021	Date: JANUARY 2026	Job No: P/104350
			Status: S3	Version: 1.0	Sheet: 2 of 2



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Consultant

Project

Drawing Title

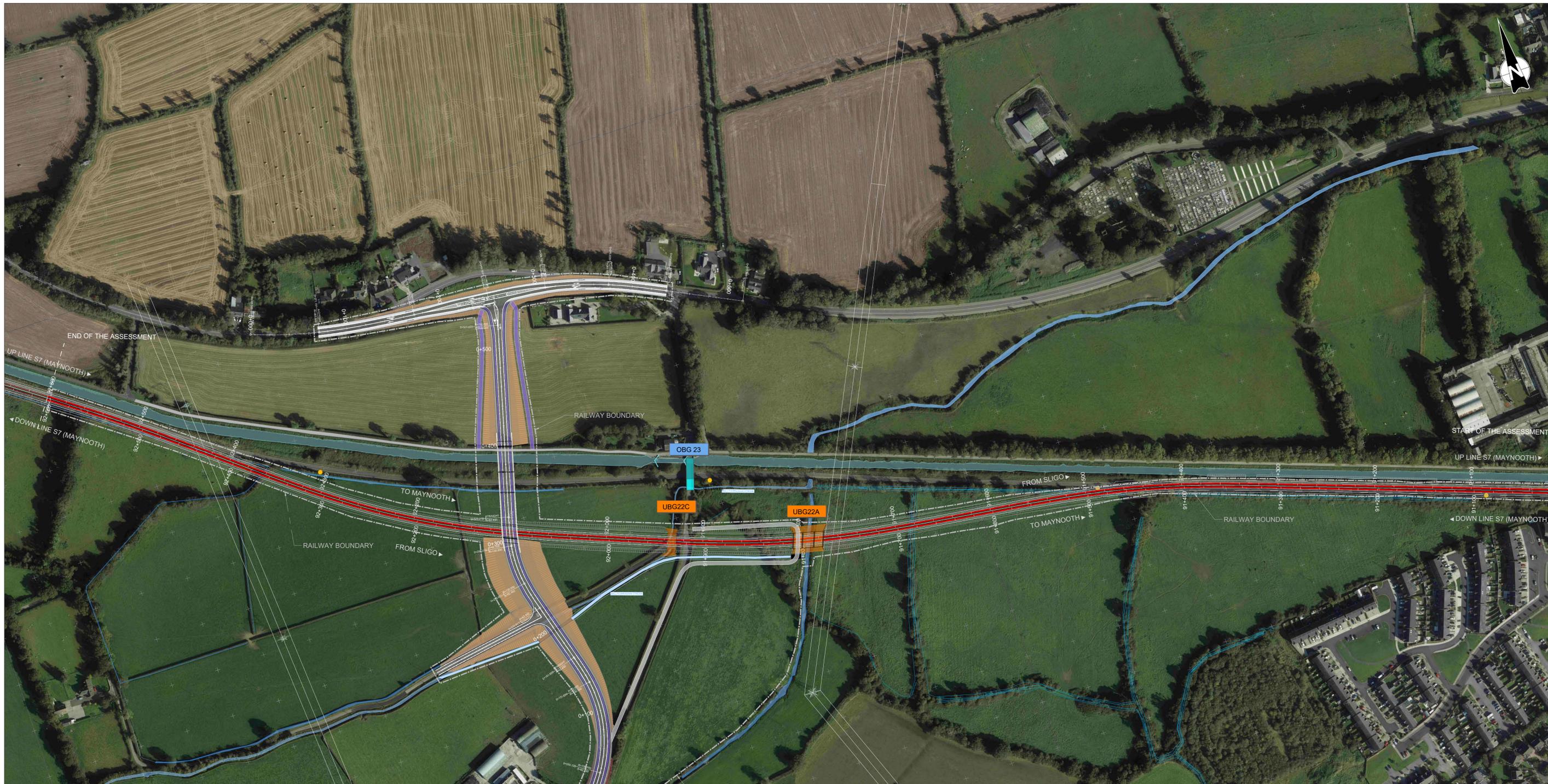
JACKSON'S BRIDGE (OBG23) MCA
ALTERNATIVE 2
TYPICAL CROSS SECTION

Scale: 1:100 @A1

Drawing Number | Project | Subproject | Element or System | Type | Originator | Project Role | Number

DART DEP 005 DR IDOM CE 0022

Date: JANUARY 2026 Job No: P/104350 Status: S3 Version: 1.0 Sheet: 1 of 1



GENERAL LAYOUT LEGEND	
●	MILES POST
● 10+200	ACCUMULATIVE STATION POINTS
● 00+000 SX XX	SECTION INFORMATION
[START - END]	SECTION INFORMATION
	FLOODING AREAS
	RUNNING LINES
	PROPOSED TRACKWORK ON BALLAST
	TRACKWORK TO SLEW/ TO BE REMOVED
	FLOOD PROTECTION SLAB
	NEW TRACK EQUIPMENT
 XXX XXX	EXISTING OVERBRIDGE
 XXX XXX	OVERBRIDGE REBUILD/LIFTING
 XXX XXX	OVERBRIDGE/LEVEL CROSSING TO BE REMOVED
 XXX XXX	PROPOSED ROAD/PEDESTRIAN BRIDGE
 XXX XXX	EXISTING UNDERBRIDGE
 XXX XXX	UNDERBRIDGE REBUILD/LIFTING
 XXX XXX	TRANSITION SLAB

2.0	FEB 2026	Suitable for Review & Comment	JSA	MRI	CCH
1.0	JAN 2026	Suitable for Review & Comment	JSA	MRI	CCH
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Project

Drawing Title

JACKSON'S BRIDGE (OBG23) MCA
ALTERNATIVE 3
LAYOUT

Scale: 1:2000 @A1

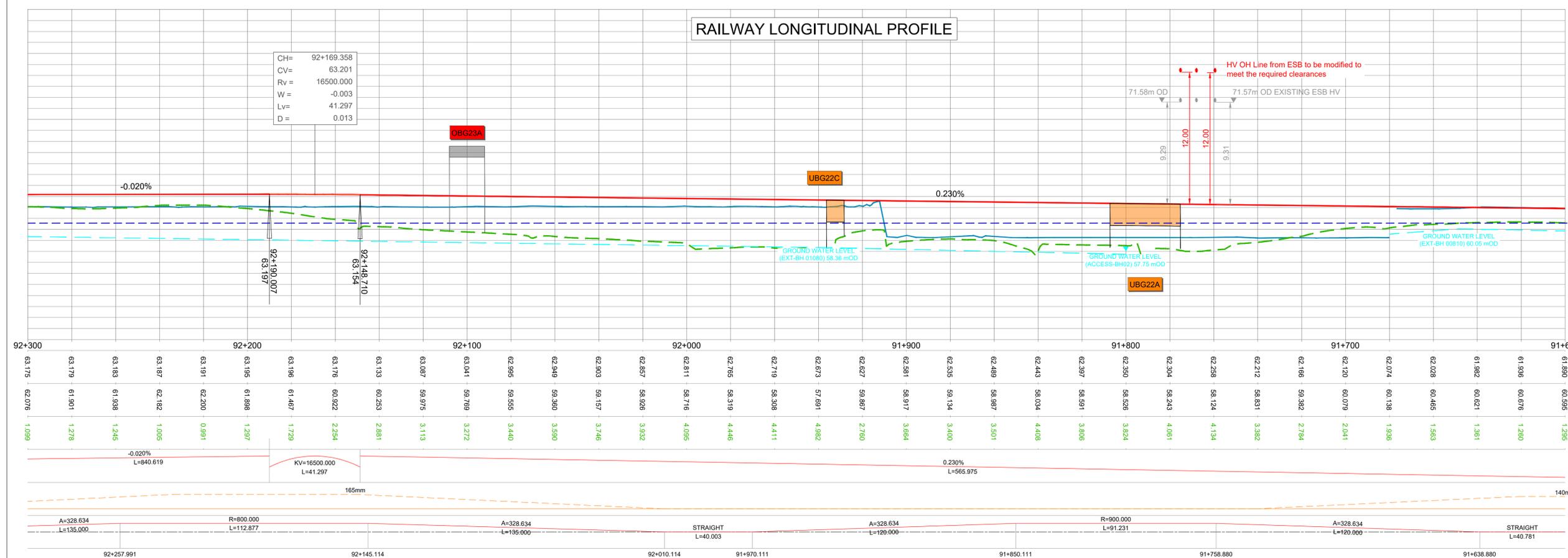
Drawing Number | Project | Subproject | Element or System | Type | Originator | Project Role | Number

DART DEP 005 DR IDOM CE 0030

Date: FEBRUARY 2026 Job No: P/104350 Status: S3 Version: 2.0 Sheet: 1 of 1

RAILWAY LONGITUDINAL PROFILE

CH= 92+169.358
 CV= 63.201
 Rv= 16500.000
 W = -0.003
 Lv= 41.297
 D = 0.013



- PROFILES LEGEND**
- T.O.R. Design
 - Current T.O.R./Ground
 - 0.1% AEP Standard Protection
 - Royal Canal
 - Existing Crossover/Turnout
 - Proposed Crossover/Turnout
 - Flood Protection
 - ESB HV Overhead existing
 - ESB HV Overhead removed

50.000

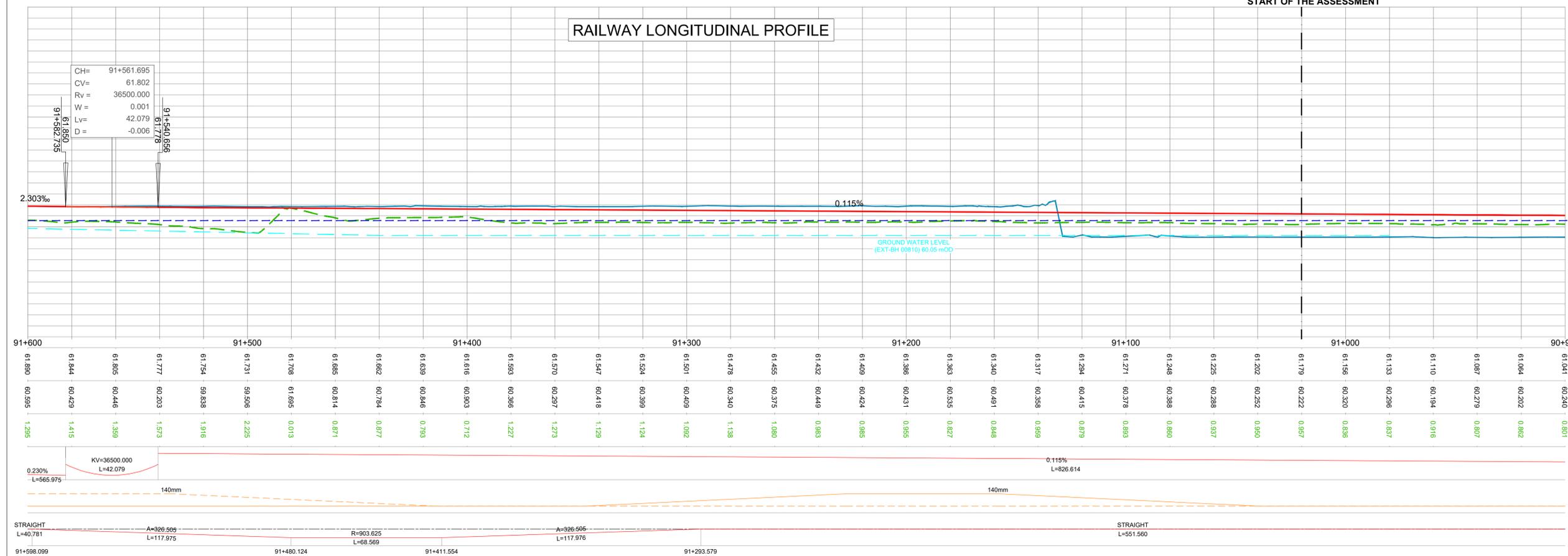
HS 1:1000 VS 1:200

CHAINAGE	
T.O.R. DESIGN	LEVEL
CURRENT T.O.R.	
CUT / FILL DEPTHS	
VERTICAL	GEOMETRY
LEFT	
CANT	
RIGHT	
HORIZONTAL	

RAILWAY LONGITUDINAL PROFILE

START OF THE ASSESSMENT

CH= 91+561.695
 CV= 61.802
 Rv= 36500.000
 W = 0.001
 Lv= 42.079
 D = -0.006



- PROFILES LEGEND**
- T.O.R. Design
 - Current T.O.R./Ground
 - 0.1% AEP Standard Protection
 - Royal Canal
 - Existing Crossover/Turnout
 - Proposed Crossover/Turnout
 - Flood Protection
 - ESB HV Overhead existing
 - ESB HV Overhead removed

50.000

HS 1:1000 VS 1:200

CHAINAGE	
T.O.R. DESIGN	LEVEL
CURRENT T.O.R.	
CUT / FILL DEPTHS	
VERTICAL	GEOMETRY
LEFT	
CANT	
RIGHT	
HORIZONTAL	

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Tionscadal Éireann
 Project Ireland
 2040

NTA
 Órdán Náisiúnta Iompar
 National Transport Authority

Iarnród Éireann
 Irish Rail

DART+
 West

Project

IDOM

PROD
 ROUGHAN & O'DONOVAN

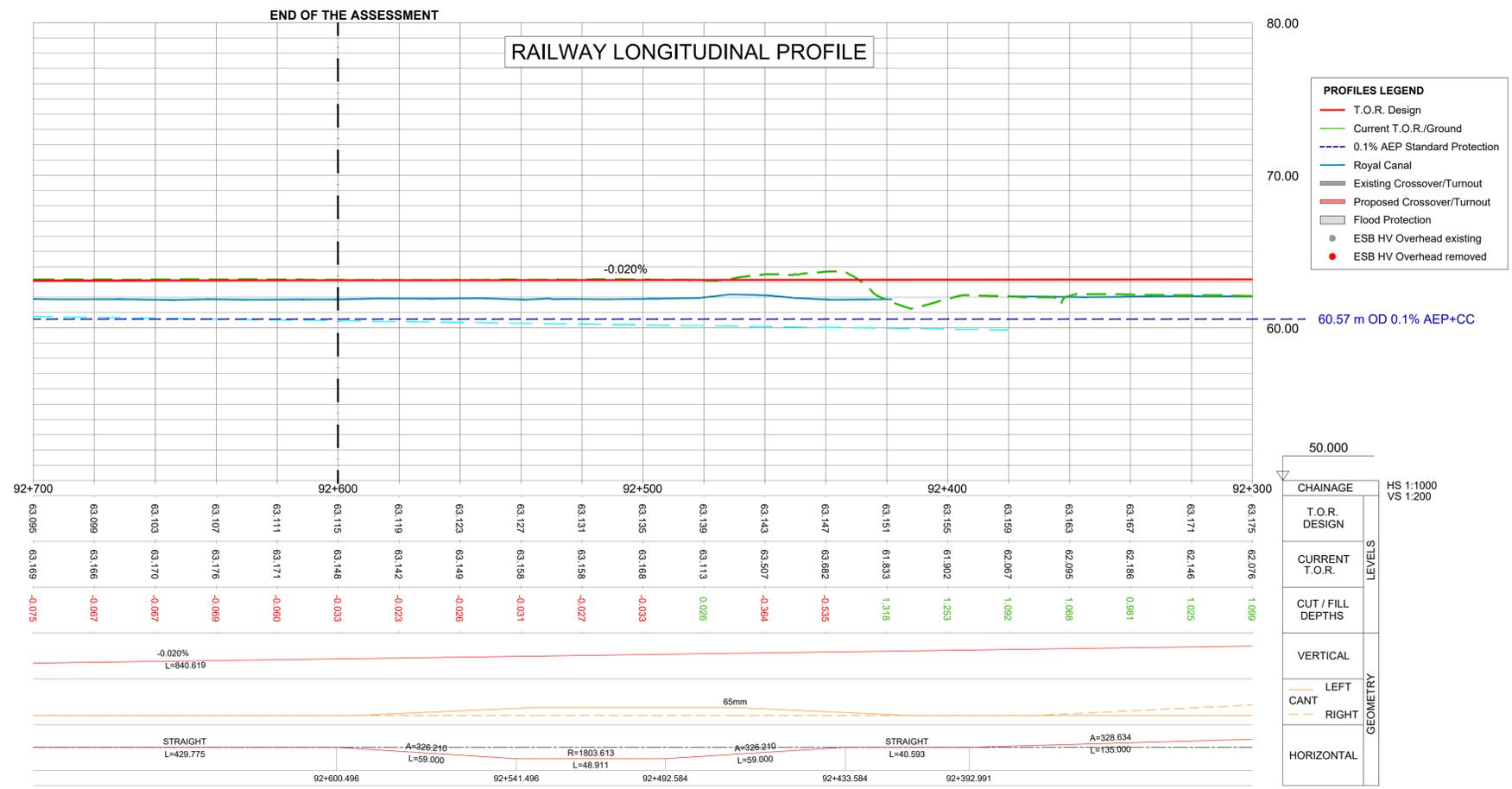
Drawing Title

JACKSON'S BRIDGE (OBG23) MCA
 ALTERNATIVE 3
 LONGITUDINAL PROFILES

Scale:
 H 1:1000@A1 - V 1:200@A1

Drawing Number | Project | Subproject | Element or System | Type | Originator | Project Role | Number
 DART DEP 005 DR IDOM CE 0031

Date: JANUARY 2026 Job No: P/104350 Status: S3 Version: 1.0 Sheet: 1 of 2



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Project

Drawing Title

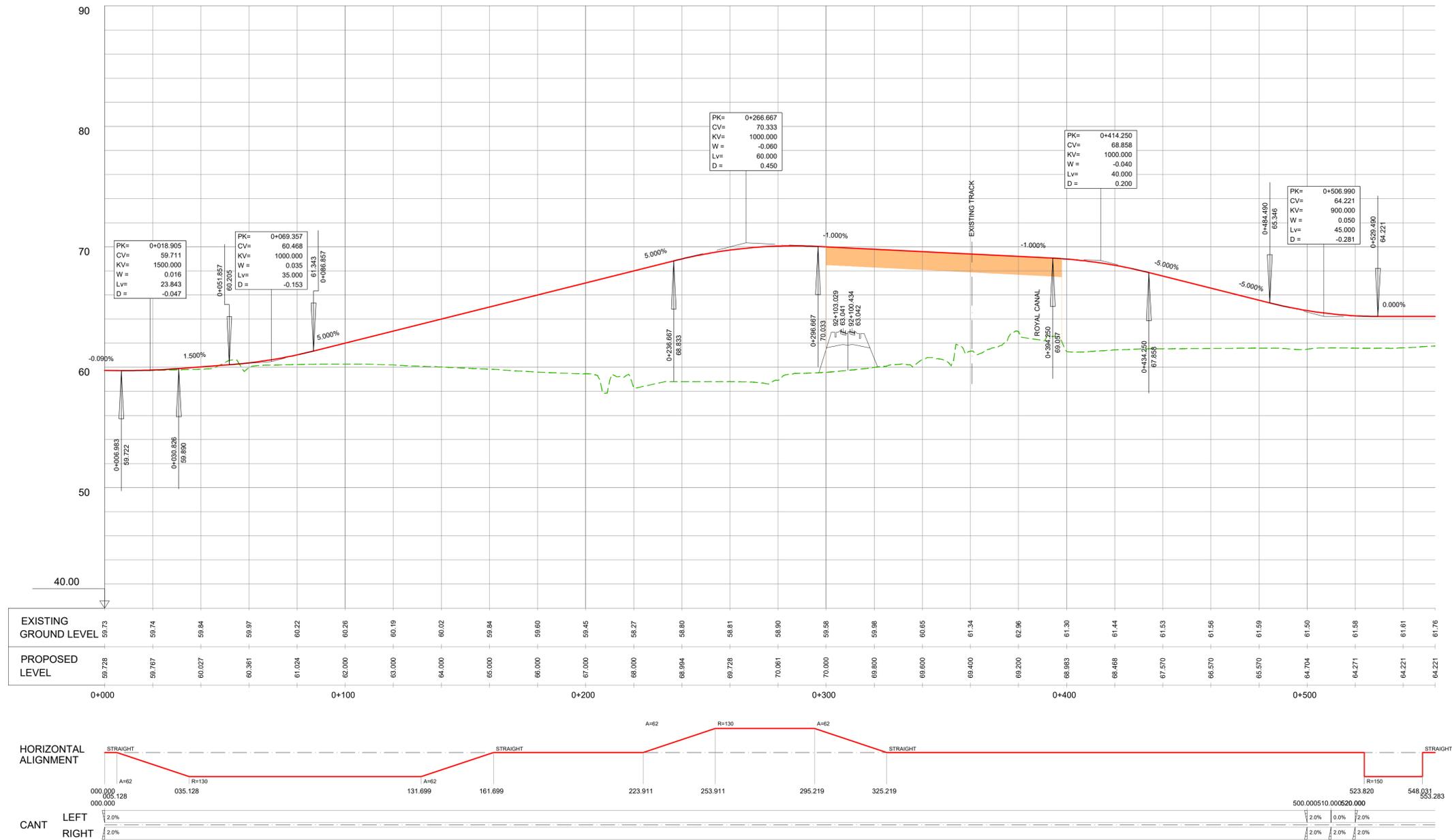
JACKSON'S BRIDGE (OBG23) MCA ALTERNATIVE 3 LONGITUDINAL PROFILES

Scale: H 1:1000 @ A1 - V 1:200 @ A1

Drawing Number: DART DEP 005 DR IDOM CE 0031

Date: JANUARY 2026 Job No: P/104350 Status: S3 Version: 1.0 Sheet: 2 of 2

L5041 DIVERSION



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Consultant

Project

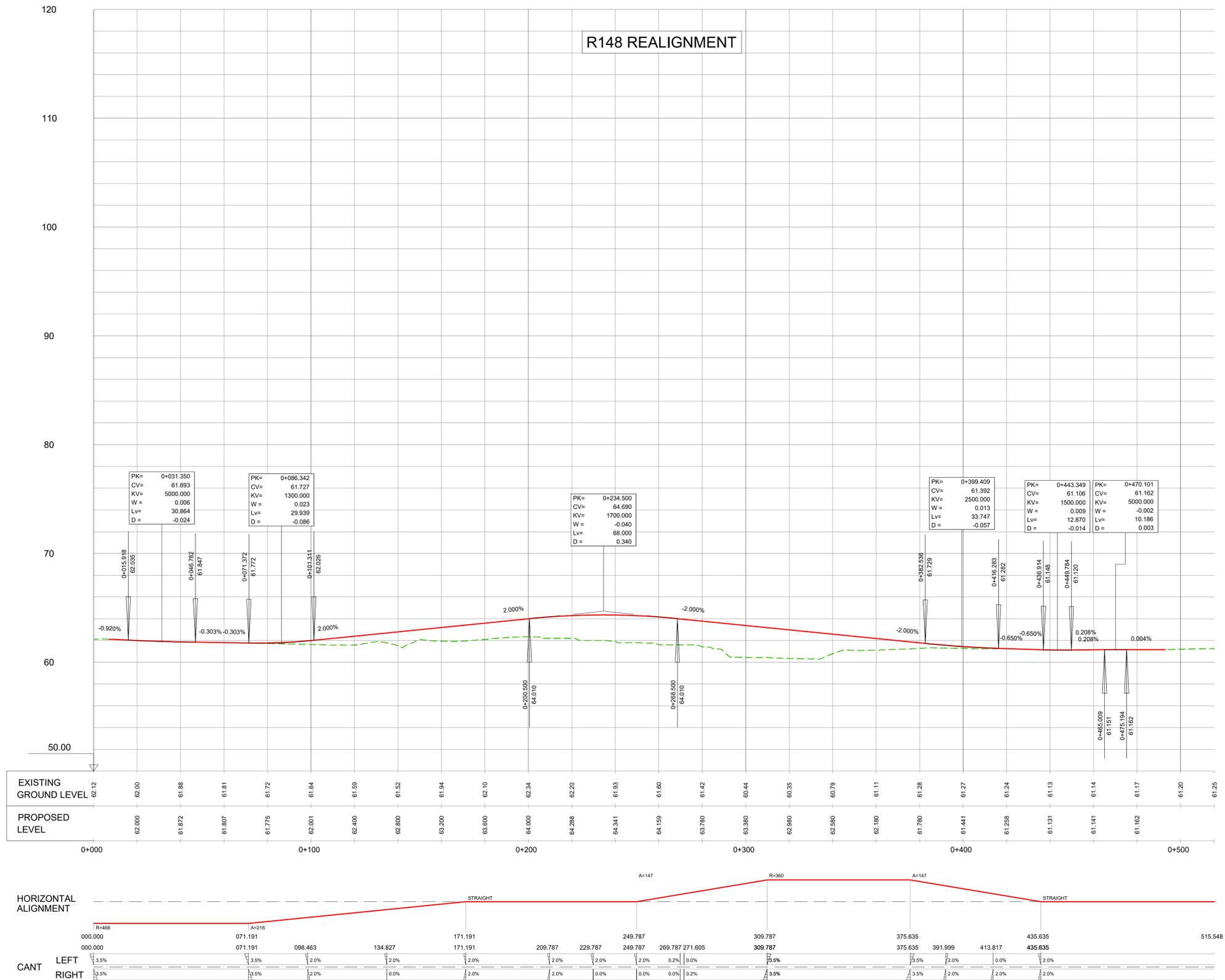
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JACKSON'S BRIDGE (OBG23) MCA
ALTERNATIVE 3
LONGITUDINAL PROFILES

Scale: H 1:1000@A1 - V 1:200@A1

Drawing Number | Project | Subproject | Element or System | Type | Originator | Project Role | Number
 DART DEP 005 DR IDOM CE 0031

Date: JANUARY 2026 Job No: P/104350 Status: S3 Version: 1.0 Sheet: 2 of 2



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Project

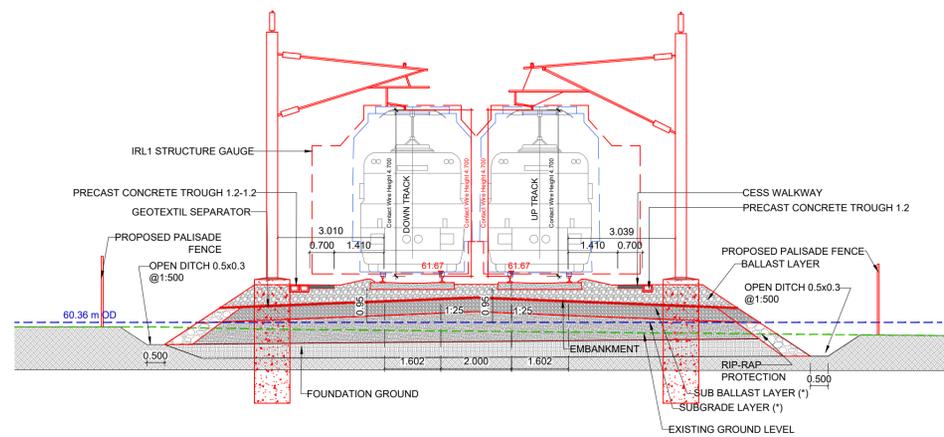
Drawing Title

JACKSON'S BRIDGE (OBG23) MCA ALTERNATIVE 3 LONGITUDINAL PROFILES

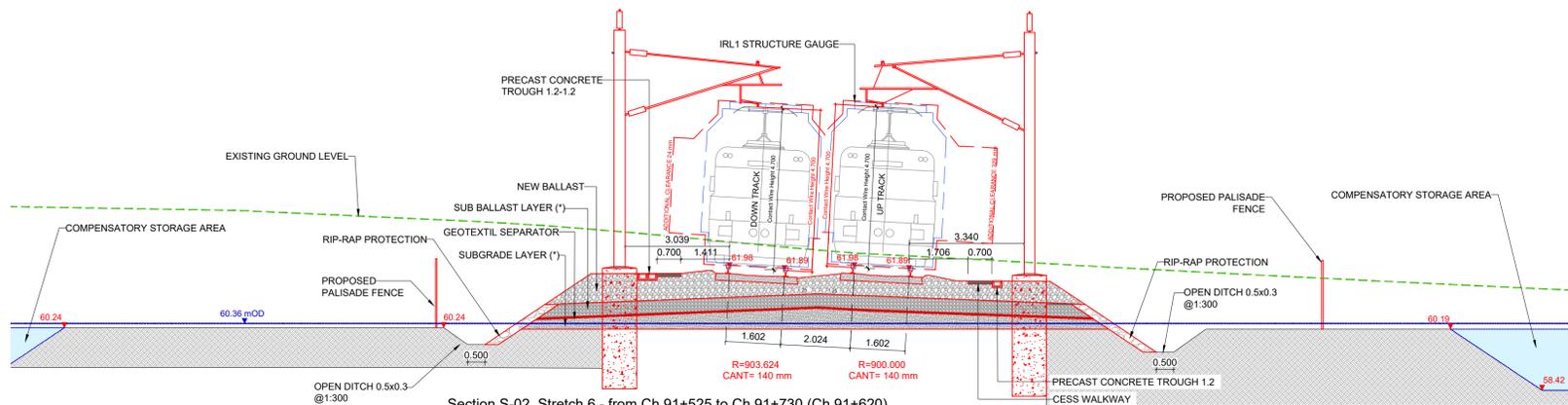
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Drawing Number | Project | Subproject | Element or System | Type | Originator | Project Role | Number
 DART DEP 005 DR IDOM CE 0031

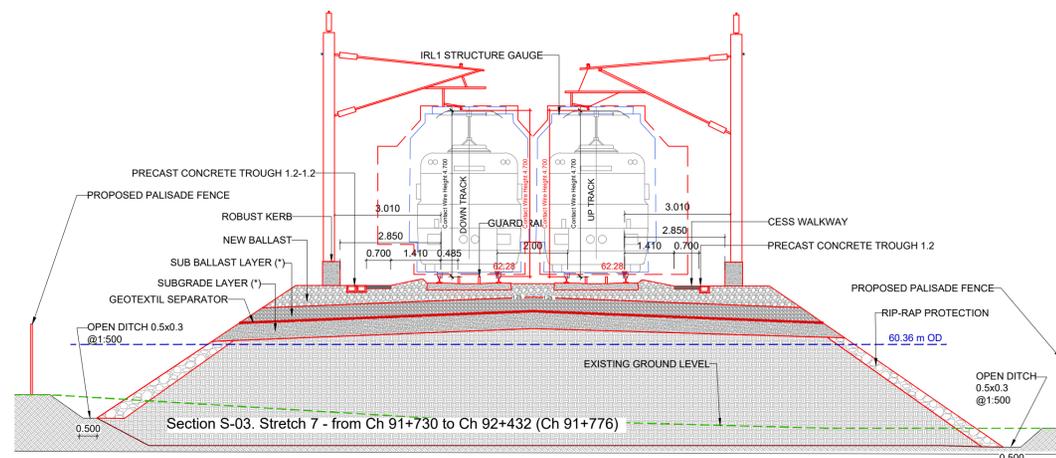
Date: JANUARY 2026 Job No: P/104350 Status: S3 Version: 1.0 Sheet: 2 of 2



Section S-01. Stretch 5 - from Ch 90+820 to Ch 91+525 (Ch 91+451)



Section S-02. Stretch 6 - from Ch 91+525 to Ch 91+730 (Ch 91+620)

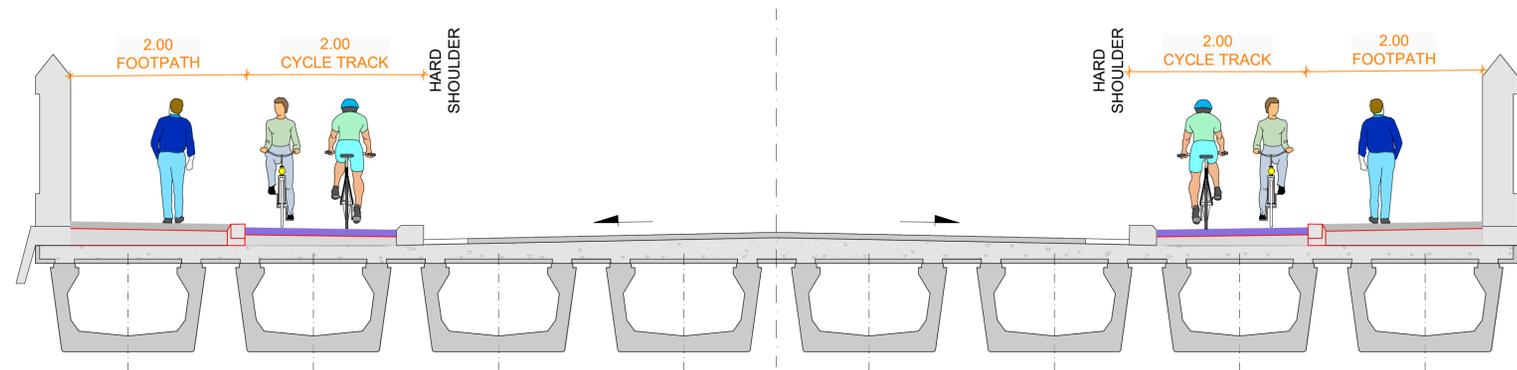
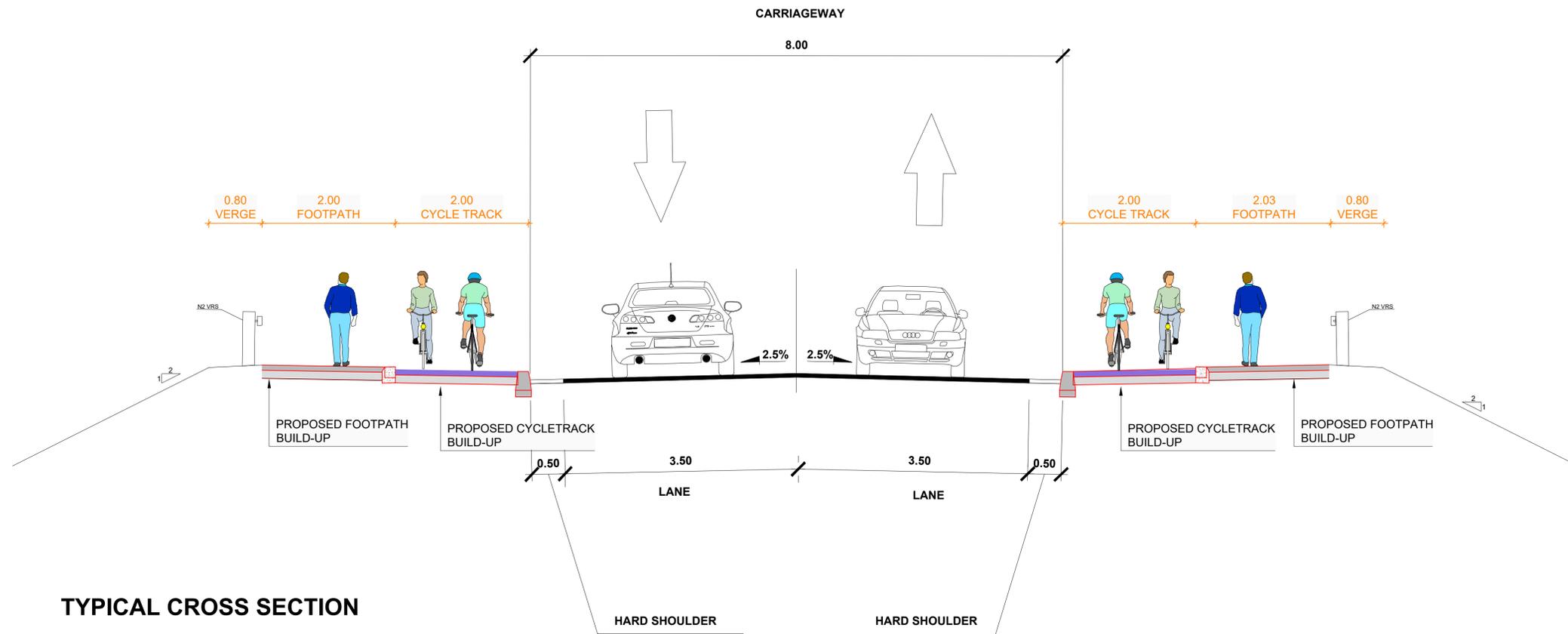


Section S-03. Stretch 7 - from Ch 91+730 to Ch 92+432 (Ch 91+776)

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Drawing Title		JACKSON'S BRIDGE (OBG23) MCA ALTERNATIVE 3 RAILWAY CROSS SECTIONS			
Scale:	1:100 @A1	Drawing Number	Project	Subproject	Element or System
		DART	DEP	005	DR IDOM CE 0032
Date:	JANUARY 2026	Job No:	P/104350	Status:	S3
Version:	1.0	Sheet:	1 of 2		



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Consultant



Project



Drawing Title

JACKSON'S BRIDGE (OBG23) MCA
ALTERNATIVE 3
L5041 CROSS SECTIONS

Scale:
1:100 @A1



Drawing Number | Project | Subproject | Element or System | Type | Originator | Project Role | Number
DART DEP 005 DR IDOM CE 0032

Date: JANUARY 2026 Job No: P/104350 Status: S3 Version: 1.0 Sheet: 1 of 2



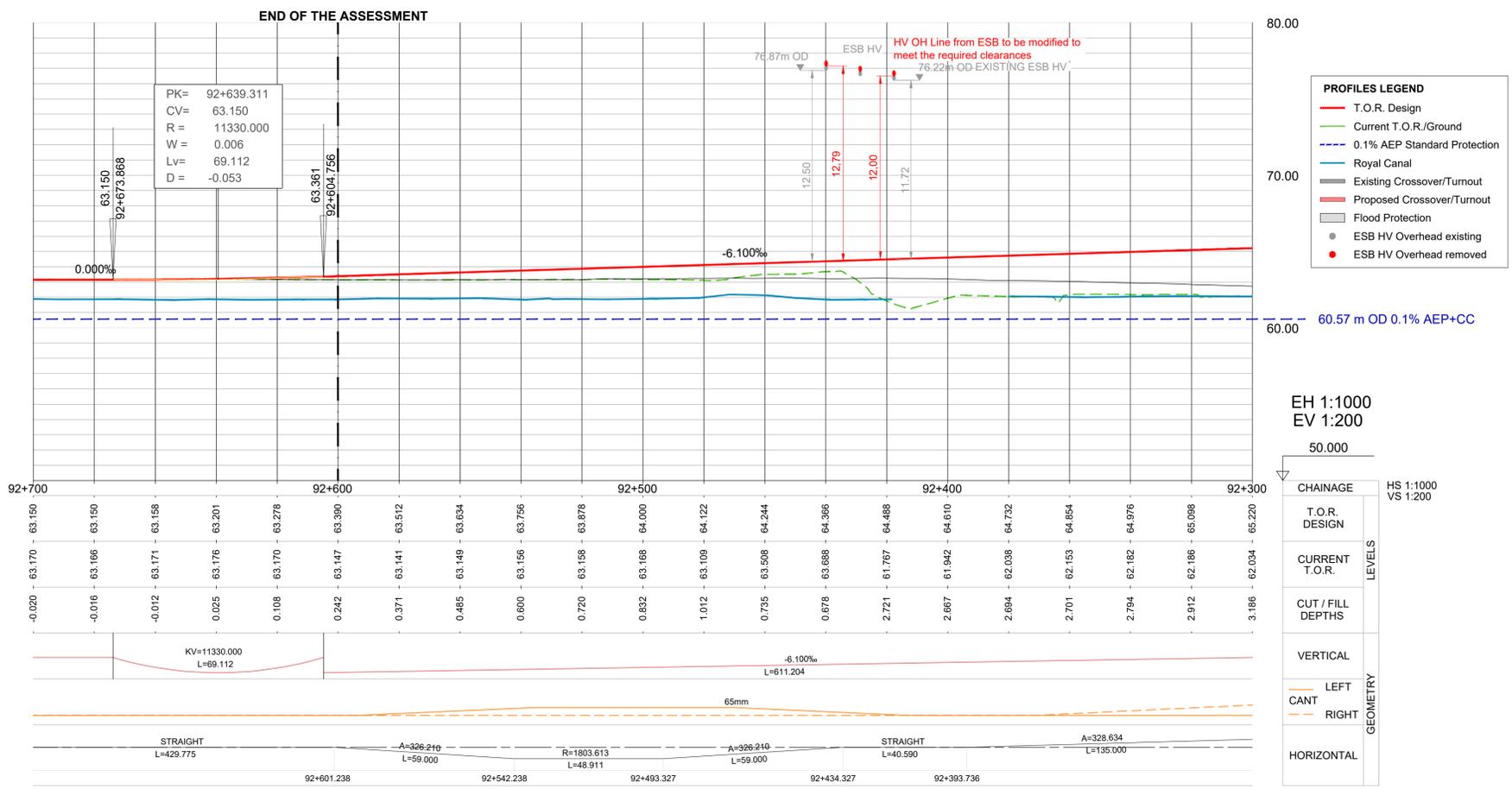
GENERAL LAYOUT LEGEND	
	MILES POST
	10+200
	00+000 SX XX
	SECTION INFORMATION
	FLOODING AREAS
	RUNNING LINES
	PROPOSED TRACKWORK ON BALLAST
	TRACKWORK TO SLEW/ TO BE REMOVED
	FLOOD PROTECTION SLAB
	NEW TRACK EQUIPMENT
	EXISTING OVERBRIDGE
	OVERBRIDGE REBUILD/LIFTING
	OVERBRIDGE/LEVEL CROSSING TO BE REMOVED
	PROPOSED ROAD/PEDESTRIAN BRIDGE
	EXISTING UNDERBRIDGE
	UNDERBRIDGE REBUILD/LIFTING
	TRANSITION SLAB

1.0	JAN 2026	Suitable for Review & Comment	JSA	MRI	CCH
REV.	DATE	DESCRIPTION	PRODUCED BY REVIEWED BY APPROVED BY		

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Project

Drawing Title		JACKSON'S BRIDGE (OBG23) MCA ALTERNATIVE 4 LAYOUT							
Scale:	1:2000 @A1	Drawing Number	Project	Subproject	Element or System	Type	Originator	Project Role	Number
		DART DEP	005	DR	IDOM	CE			0040
Date:	JANUARY 2026	Job No:	P/104350	Status:	S3	Version:	1.0	Sheet:	1 of 1



- PROFILES LEGEND**
- T.O.R. Design
 - Current T.O.R./Ground
 - - - 0.1% AEP Standard Protection
 - Royal Canal
 - Existing Crossover/Turnout
 - Proposed Crossover/Turnout
 - Flood Protection
 - ESB HV Overhead existing
 - ESB HV Overhead removed

EH 1:1000
EV 1:200

50.000

CHAINAGE	HS 1:1000 VS 1:200
92+700	63.150
92+675	63.150
92+650	63.158
92+625	63.201
92+600	63.278
92+575	63.390
92+550	63.512
92+525	63.634
92+500	63.756
92+475	63.878
92+450	64.000
92+425	64.122
92+400	64.244
92+375	64.366
92+350	64.488
92+325	64.610
92+300	64.732
92+275	64.854
92+250	64.976
92+225	65.098
92+200	65.220

1.0	JAN 2026	Suitable for Review & Comment	JSA	MRI	CCH
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Consultant

Project

Drawing Title

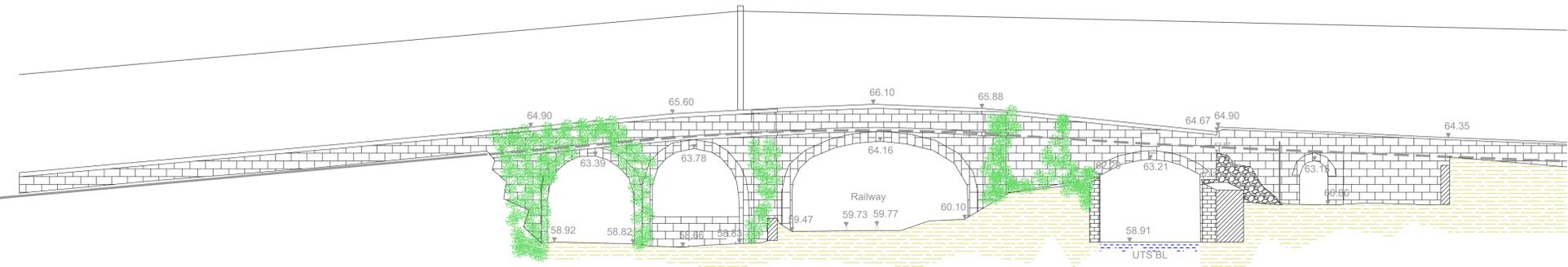
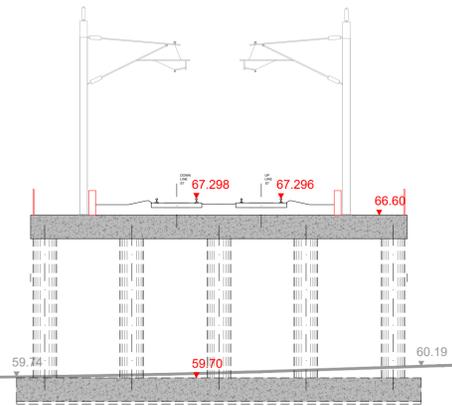
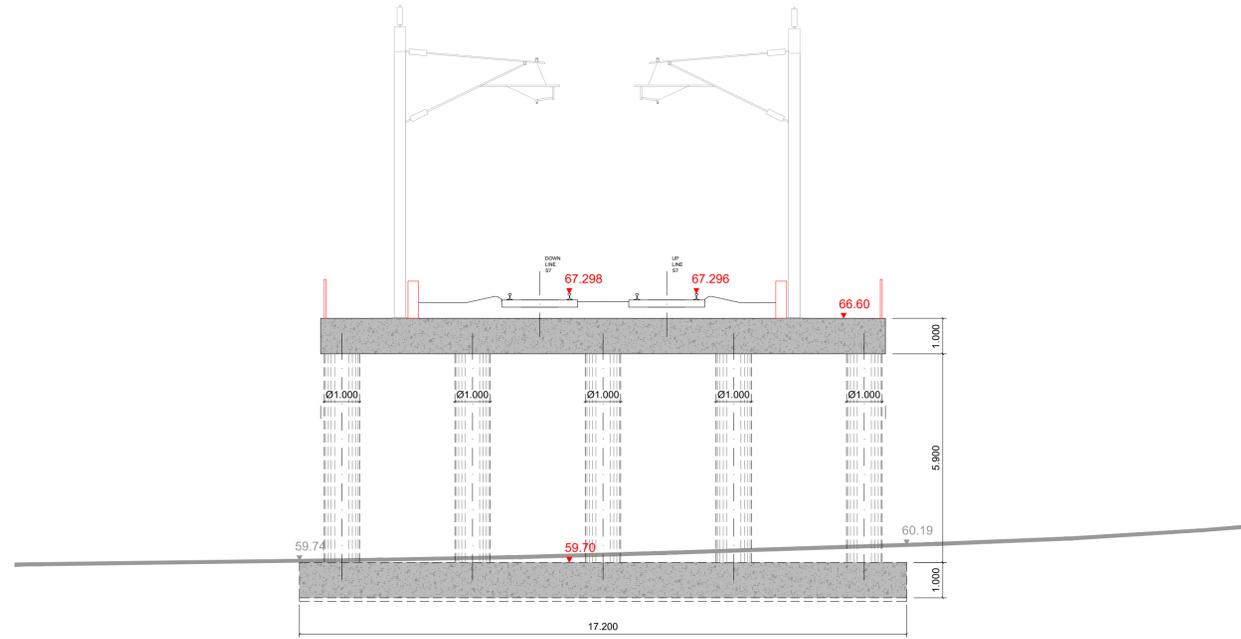
**JACKSON'S BRIDGE (OBG23) MCA
ALTERNATIVE 4
LONGITUDINAL PROFILES**

Scale: H 1:1000@A1 - V 1:200@A1

Drawing Number | Project | Subproject | Element or System | Type | Originator | Project Role | Number

DART DEP 005 DR IDOM CE 0041

Date: JANUARY 2026 Job No: P/104350 Status: S3 Version: 1.0 Sheet: 2 of 2



1.0	JAN 2026	Suitable for Review & Comment	JSA	MRI	CCH
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Consultant

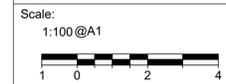


Project

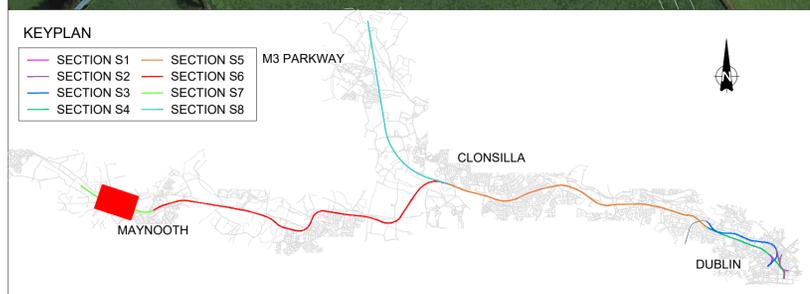


Drawing Title

JACKSON'S BRIDGE (OBG23) MCA
 ALTERNATIVE 4
 TYPICAL CROSS SECTION



Drawing Number	Project	Subproject	Element or System	Type	Originator	Project Role	Number
DART DEP 005	DR	IDOM	CE	0043			
Date:	Job No:	Status:	Version:	Sheet:			
JANUARY 2026	P/104350	S3	1.0	1 of 1			



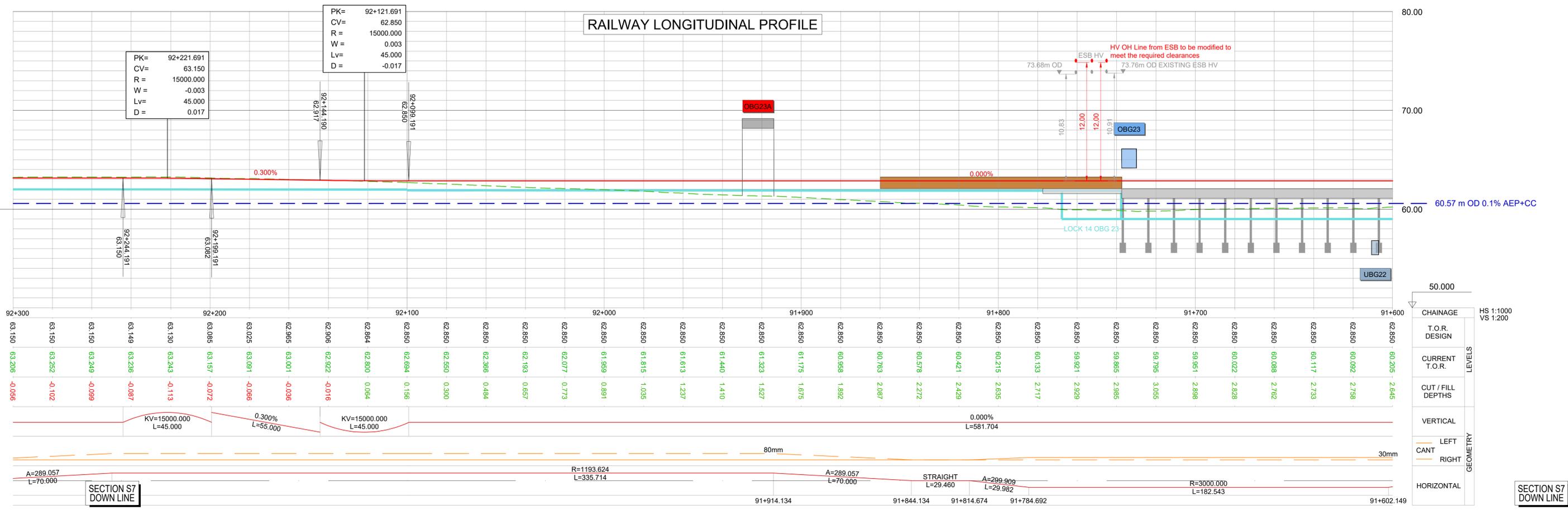
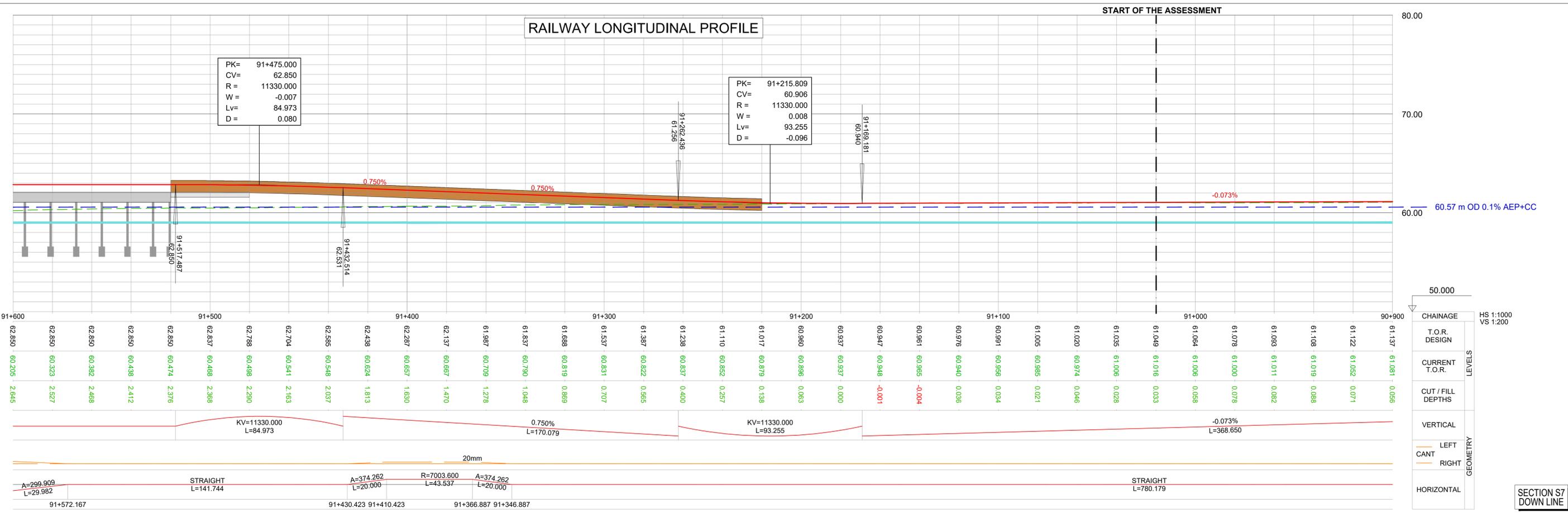
GENERAL LAYOUT LEGEND	
	MILES POST
	ACCUMULATIVE STATION POINTS
	SECTION INFORMATION
	FLOODING AREAS
	RUNNING LINES
	PROPOSED TRACKWORK ON BALLAST
	TRACKWORK TO SLEW/ TO BE REMOVED
	FLOOD PROTECTION SLAB
	NEW TRACK EQUIPMENT
	EXISTING OVERBRIDGE
	OVERBRIDGE REBUILD/LIFTING
	OVERBRIDGE/LEVEL CROSSING TO BE REMOVED
	PROPOSED ROAD/PEDESTRIAN BRIDGE
	EXISTING UNDERBRIDGE
	UNDERBRIDGE REBUILD/LIFTING
	TRANSITION SLAB

1.0	JAN 2026	Suitable for Review & Comment	JSA	MRI	CCH
REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY

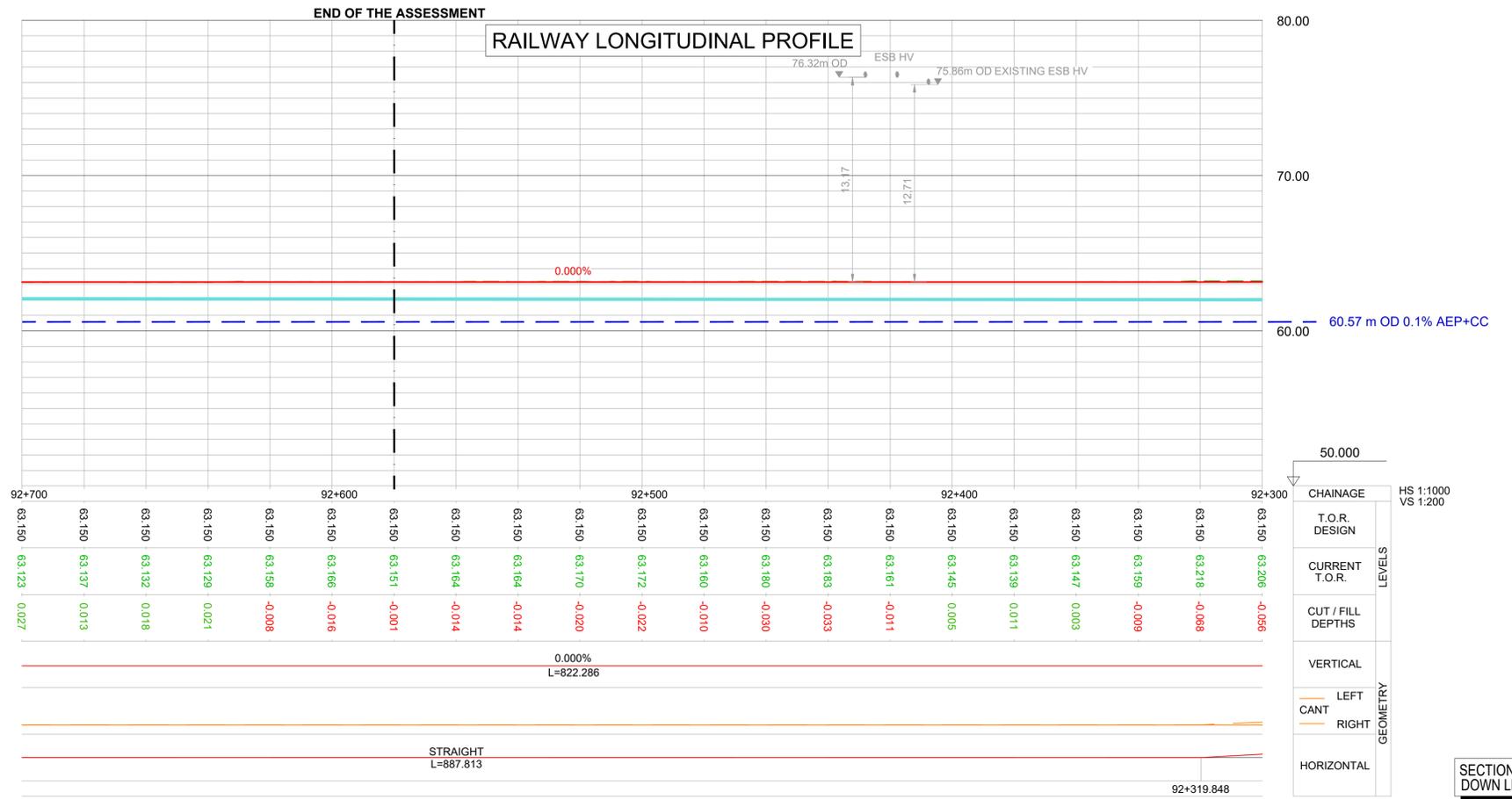
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Project

Drawing Title		JACKSON'S BRIDGE (OBG23) MCA ALTERNATIVE 5 LAYOUT							
Scale:	1:2000 @A1	Drawing Number	Project	Subproject	Element or System	Type	Originator	Project Role	Number
		DART	DEP	005	DR	IDOM	CE	0050	
Date:	JANUARY 2026	Job No:	P/104350	Status:	S3	Version:	1.0	Sheet:	1 of 1



<p>1.0 JAN 2026 Suitable for Review & Comment</p> <p>REV. DATE DESCRIPTION</p>	<p>JSA MRI CCH</p> <p>PRODUCED BY REVIEWED BY APPROVED BY</p>			<p>Project</p>	<p>Drawing Title</p> <p style="text-align: center;">JACKSON'S BRIDGE (OBG23) MCA ALTERNATIVE 5 LONGITUDINAL PROFILES</p>
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SECTION S7
DOWN LINE

1.0	JAN 2026	Suitable for Review & Comment	JSA	MRI	CCH
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Consultant

Project

Drawing Title

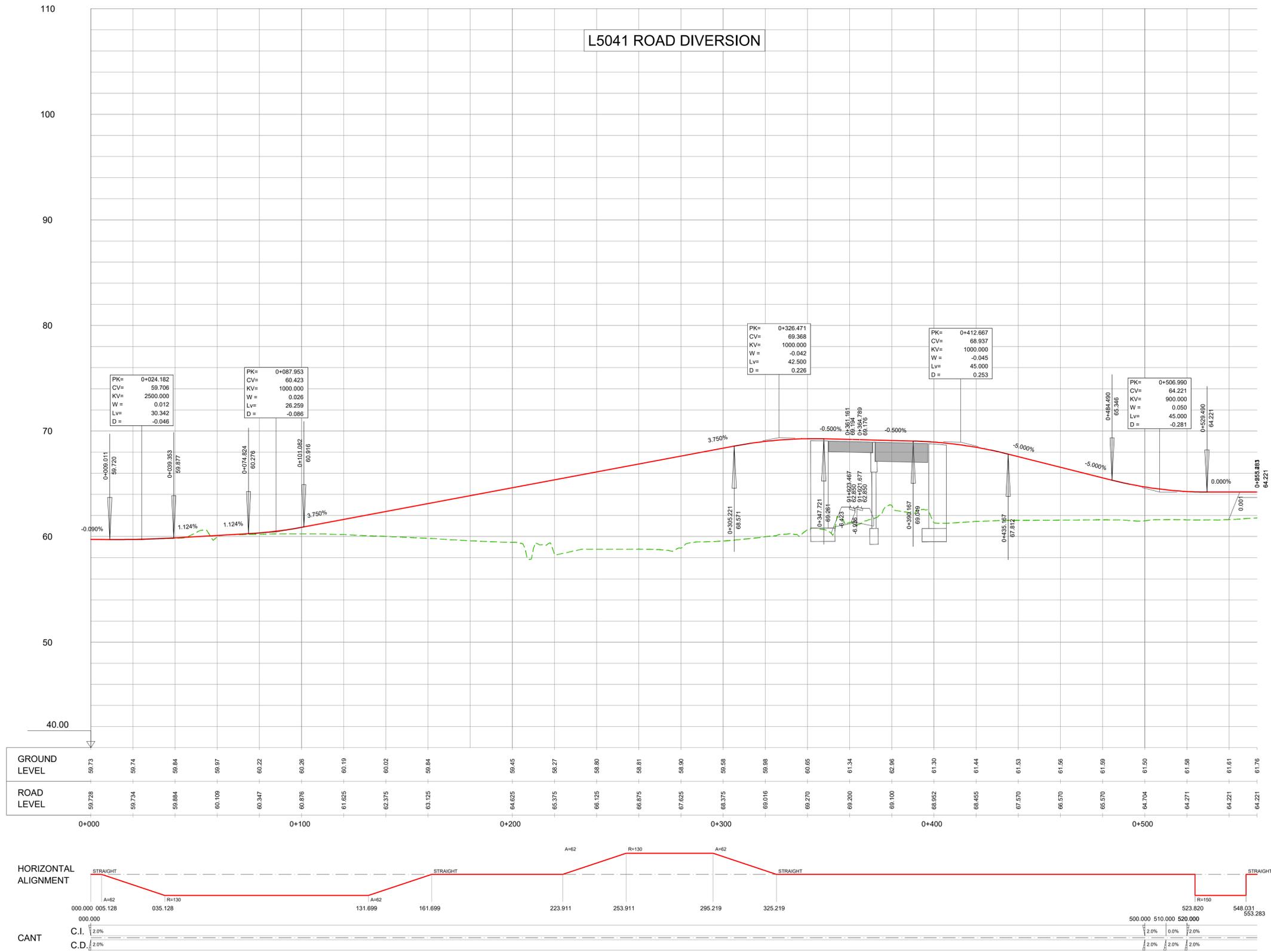
JACKSON'S BRIDGE (OBG23) MCA
ALTERNATIVE 5
LONGITUDINAL PROFILES

Scale: H 1:1000@A1 - V 1:200@A1

Drawing Number | Project | Subproject | Element or System | Type | Originator | Project Role | Number
 DART DEP 005 DR IDOM CE 0051

Date: JANUARY 2026 Job No: P/104350 Status: S3 Version: 1.0 Sheet: 2 of 4

L5041 ROAD DIVERSION



1.0	JAN 2026	Suitable for Review & Comment	JSA	MRI	CCH
REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY

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Project

Drawing Title

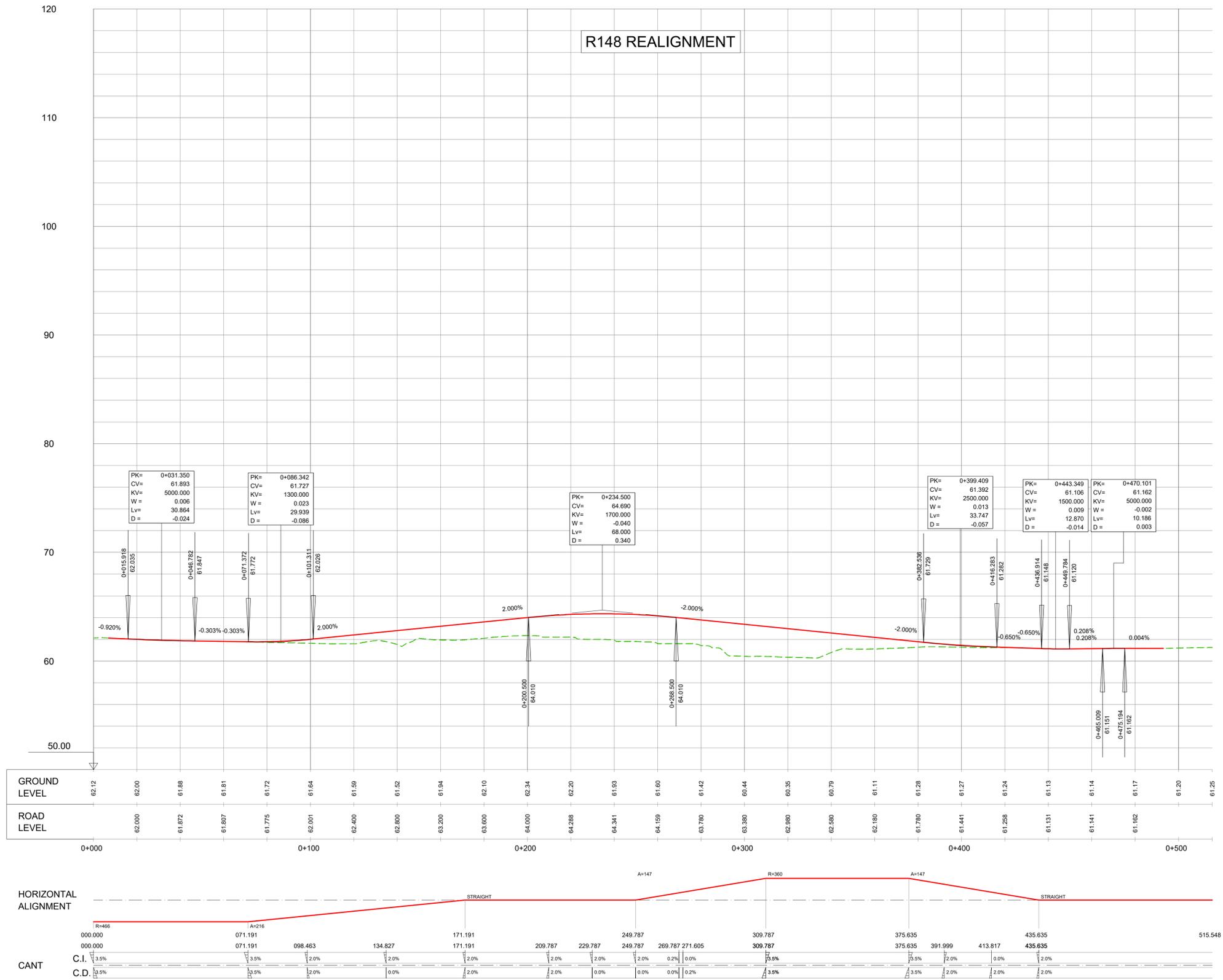
JACKSON'S BRIDGE (OBG23) MCA
ALTERNATIVE 5
LONGITUDINAL PROFILES

Scale: H 1:1000@A1 - V 1:200@A1

Drawing Number | Project | Subproject | Element or System | Type | Originator | Project Role | Number

DART DEP 005 DR IDOM CE 0051

Date: JANUARY 2026 Job No: P/104350 Status: S3 Version: 1.0 Sheet: 3 of 4



1.0	JAN 2026	Suitable for Review & Comment	JSA	MRI	CCH
REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY

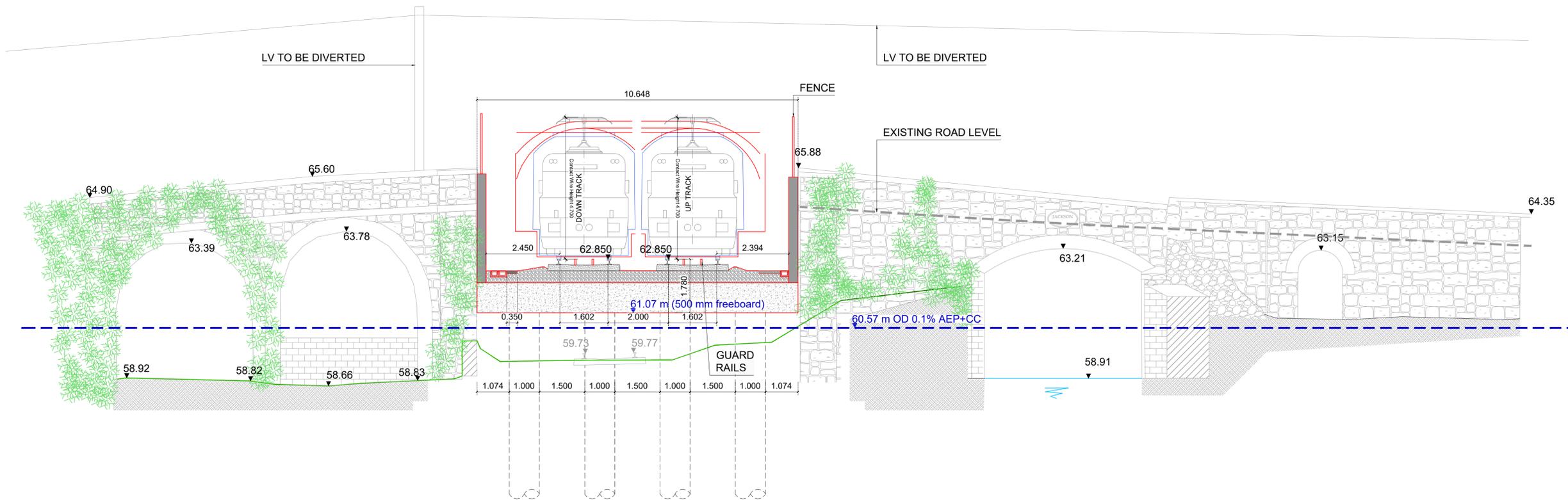
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Project

Drawing Title

**JACKSON'S BRIDGE (OBG23) MCA
ALTERNATIVE 5
LONGITUDINAL PROFILES**

Scale: H 1:1000@A1 - V 1:200@A1	Drawing Number Project Subproject Element or System Type Originator Project Role Number DART DEP 005 DR IDOM CE 0051
Date: JANUARY 2026	Job No: P/104350
Status: S3	Version: 1.0
Sheet: 4 of 4	



Section S7. Overbridge OBG23 - Jackson Bridge, East elevation (Ch 91+734)

1.0	JAN 2026	Suitable for Review & Comment	JSA	MRI	CCH
REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY

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Project

Drawing Title

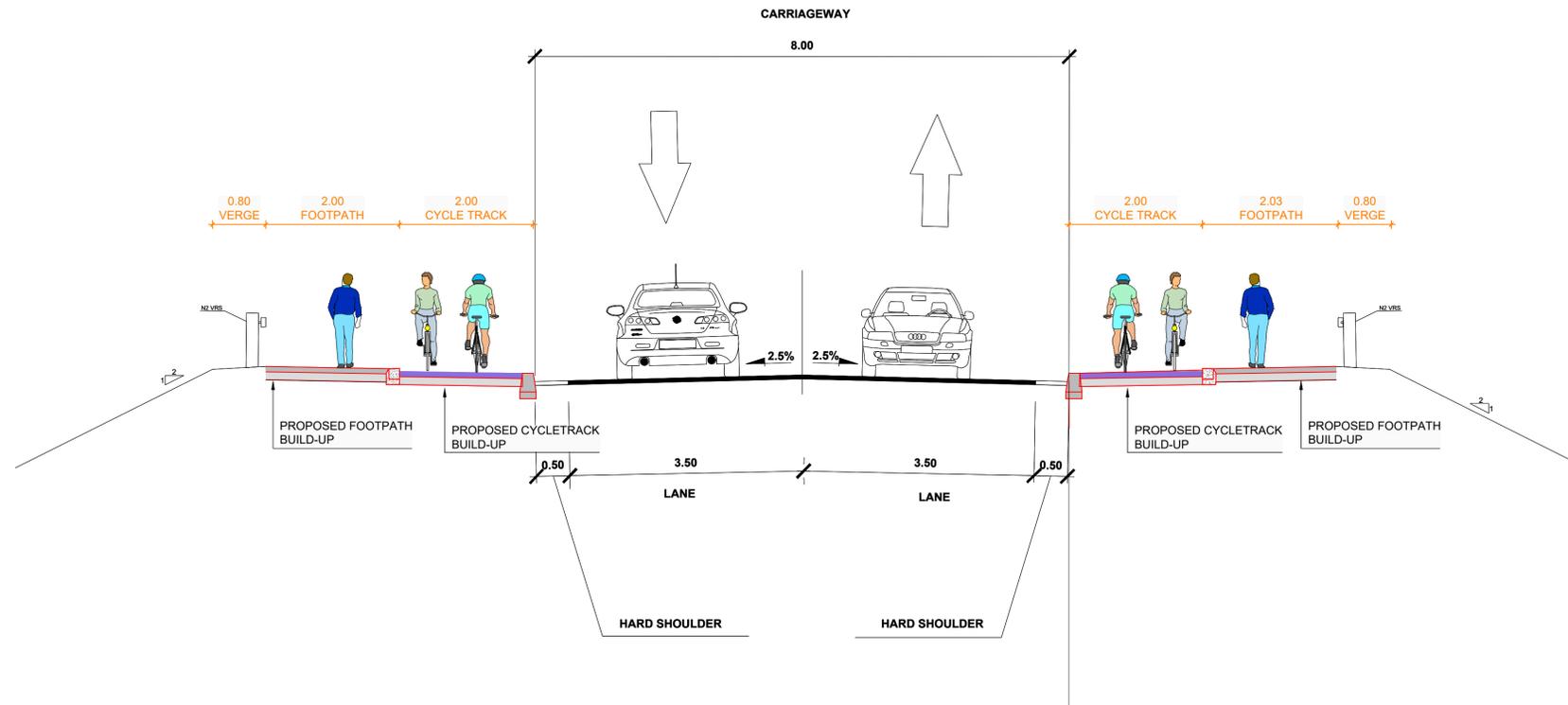
JACKSON'S BRIDGE (OBG23) MCA
ALTERNATIVE 5
RAILWAY CROSS SECTIONS

Scale: 1:75 @ A1

Drawing Number | Project | Subproject | Element or System | Type | Originator | Project Role | Number

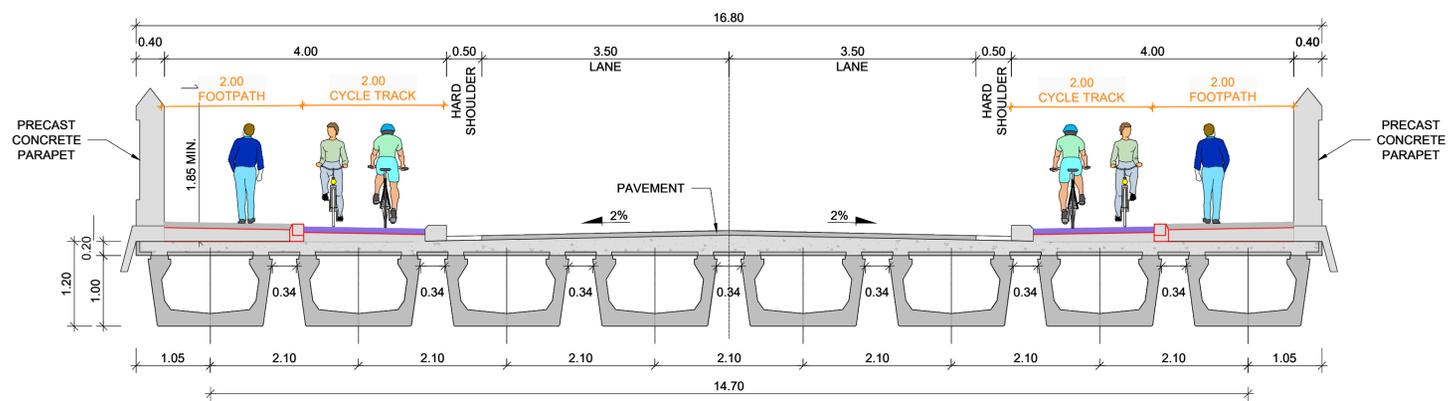
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Date: JANUARY 2026 | Job No: P/104350 | Status: S3 | Version: 1.0 | Sheet: 1 of 1



I5041 TYPICAL CROSS SECTION

ESCALE 1:40



BRIDGE CROSS SECTION

ESCALE 1:40

1.0	JAN 2026	Suitable for Review & Comment	JSA	MRI	CCH
REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY

Project

Drawing Title		JACKSON'S BRIDGE (OBG23) MCA ALTERNATIVE 5 L5041 CROSS SECTION			
Scale:	1:50 @A1	Drawing Number	Project	Subproject	Element or System
		DART	DEP	005	DR IDOM
Date:	JANUARY 2026	Job No:	P/104350	Status:	S3
Version:	1.0	Sheet:	1 of 1		

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