

Plan View  
Plan Scale 1:1000

**Legend:**

- Renewed Track / Slew Track
- Existing Track to be Retained (Main Lines)
- Existing Track to be Retained (Not Main Lines)
- - - Existing Track to be Removed
- - - IE Property Boundary
- - - Proposed Boundary Limit - Permanent Works
- - - Design Zone interface / Chainage interface
- Proposed Retaining Wall

1. Design is based on topographical survey 09272\_C2\_3D\_R2 2009 in IG coordinates
2. All distances in metres unless otherwise stated.
3. The layout shows the Permanent Way Option 1. This alternative represents the connection between Inchicore Works Option 3 and all Permanent Way alternatives at South Circular Road. This alignment maintains the standard 10-foot track interval of 3.6m
4. Design chainage are based on project chainages as defined in DP-04-23-REP-PM-TTA-01144-v03-S03.
5. Further investigation required for the crossovers location.
6. Walkways could be installed on either cess.
7. New drainage is to be installed. New attenuation facilities will be required at Heuston area.
8. Slow tracks to be electrified.

**NOTE:**

INFORMATION IS PRESENTED FOR PUBLIC CONSULTATION NO. 1

NOT ALL DESIGN DETAIL OR CONSTRUCTION RELATED DETAIL ARE KNOWN AT THIS TIME. E.G. SUBSTATION LOCATIONS, CONSTRUCTION COMPOUNDS, TEMPORARY BRIDGE REQUIREMENTS, TEMPORARY UTILITY DIVERSIONS AND OTHER ELEMENTS

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All elevations are in metres and relate to OSi Geoid Model (OSGM02) Main Head as defined by existing Project Control. All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght College (TLLG).



Rev	Date	Drn	Chk'd	App'd	Description
v01	21/04/2021	JYM	FJC	AG	FOR PUBLIC CONSULTATION No1

**Client:** Iarnród Éireann Irish Rail

**Engineering Designer:** Atkins (TYPSA Member of the SNC-Lavalin Group)

**Supported by:** FPS

**Date:** 21/04/2021  
**Scale:** 1:1000 @ A1, 1:2000 @ A3

**Project Code:** ATK

**Drawn:** JYM  
**Checked:** FJC  
**Approved:** AG

**QMS Code:**

**Project Title:** DART + SOUTH WEST

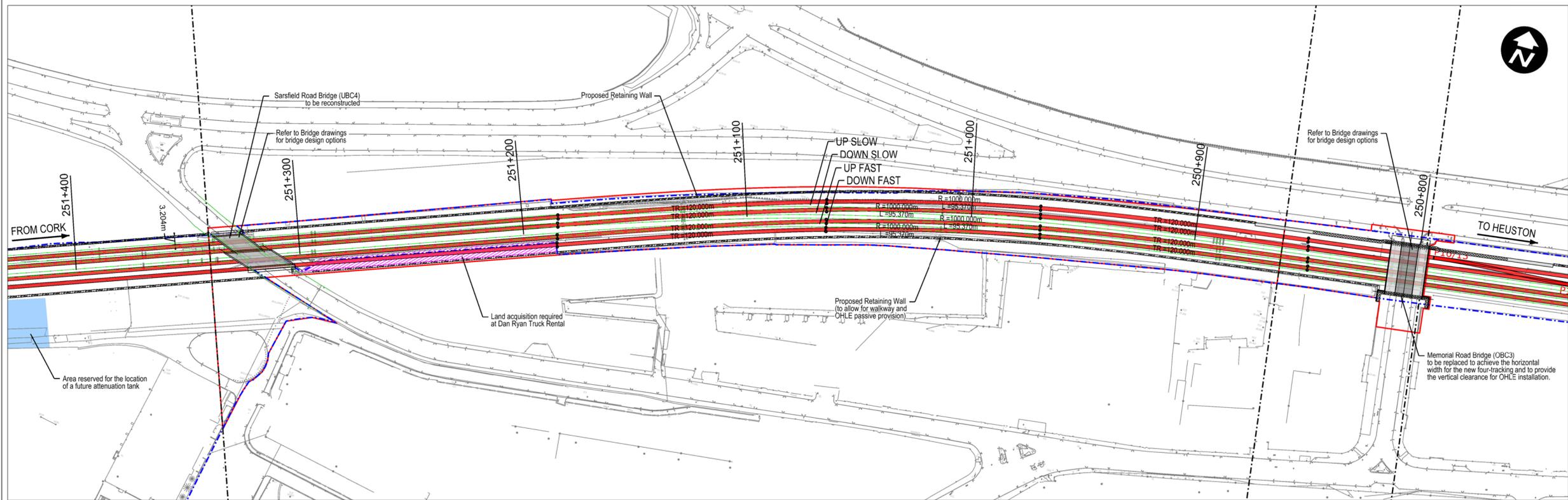
**Drawing Title:** Sarsfield Road Bridge (UBC4) & Memorial Road Bridge (OBC3) TRACK PLAN LAYOUT PERMANENT WAY OPTION 1

**Drawing File Name:** DP-04-23-DWG-PW-TTA-55830

**Version:** V01  
**Status:** S3

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Plan View  
Plan Scale 1:1000

**Legend:**

- Renewed Track / Slew'd Track
- Existing Track to be Retained (Main Lines)
- Existing Track to be Retained (Not Main Lines)
- - - Existing Track to be Removed
- - - IE Property Boundary
- - - Proposed Boundary Limit - Permanent Works
- - - Design Zone interface / Chainage interface
- Proposed Retaining Wall

1. Design is based on topographical survey 09272\_C2\_3D\_R2 2009 in IG coordinates
2. All distances in metres unless otherwise stated.
3. The layout shows the Permanent Way Option 2. This alternative represents the connection between Inchicore Works Option 4 and all Permanent Way alternatives at South Circular Road. This alignment maintains the standard 10-foot track interval of 3.6m
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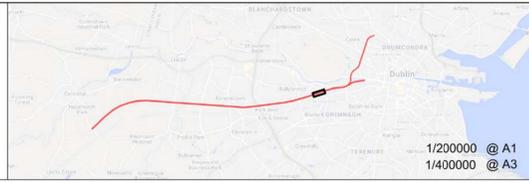
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v01	21/04/2021	JYM	FJC	AG	FOR PUBLIC CONSULTATION No1

**Client:** Iarnród Éireann Irish Rail

**Engineering Designer:** Atkins

**Supported by:** TYPSPA, rps

**Date:** 21/04/2021

**Scale:** 1:1000 @ A1, 1:2000 @ A3

**Drawn:** JYM

**Checked:** FJC

**Approved:** AG

**Project Code:** ATK

**QMS Code:**

**Project Title:** DART + SOUTH WEST

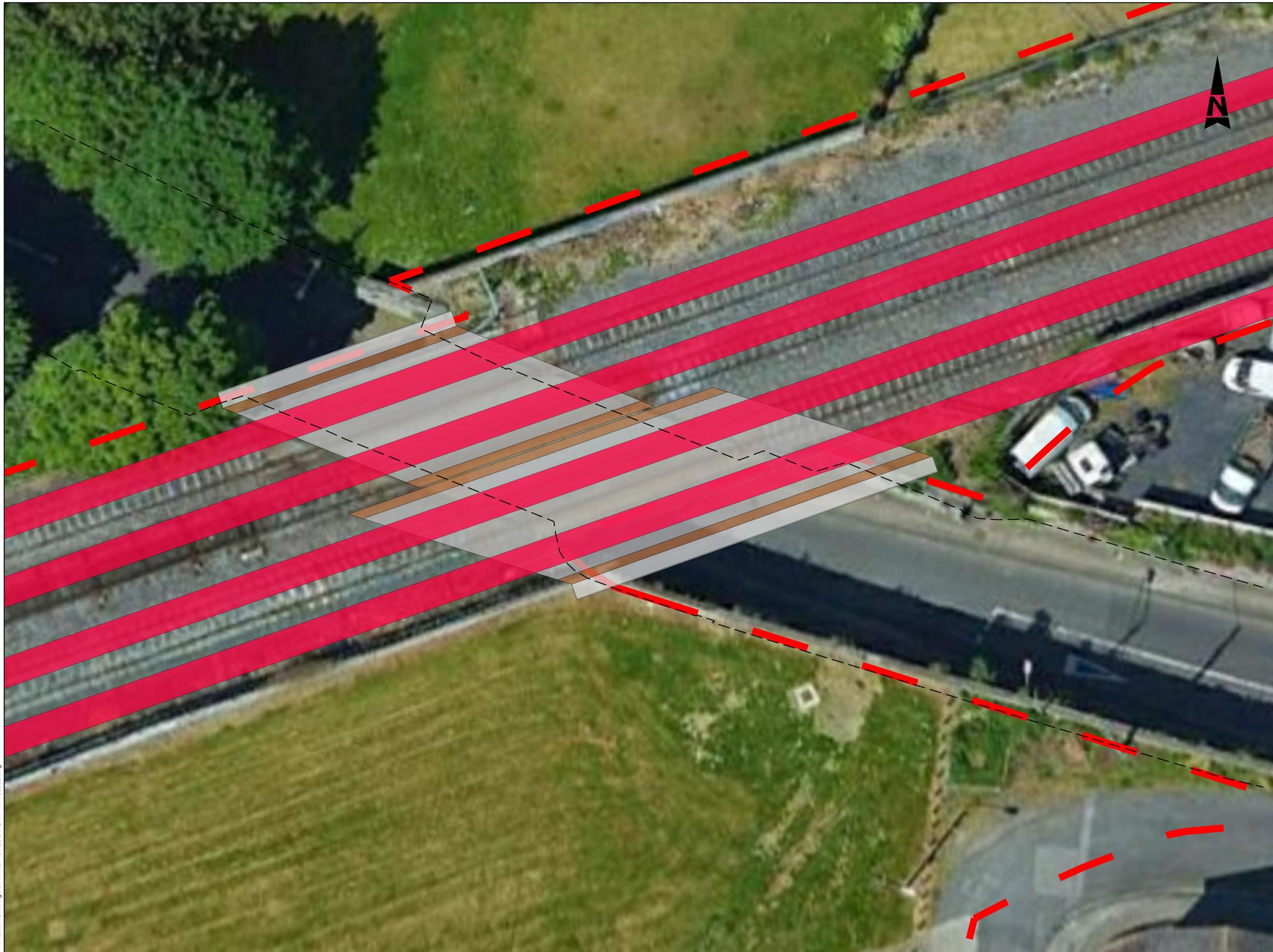
**Drawing Title:** Sarsfield Road Bridge (UBC4) & Memorial Road Bridge (OBC3) TRACK PLAN LAYOUT PERMANENT WAY OPTION 2

**Drawing File Name:** DP-04-23-DWG-PW-TTA-55831

**Version:** v01

**Status:** S3

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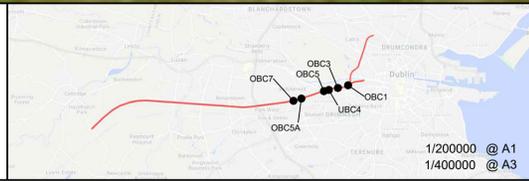
LEGEND :-

--- IRISH RAIL PROPERTY BOUNDARY

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Rev	Date	Drn	Chk'd	App'd	Description
v01	21/04/21	AOS	RM	AG	FOR PUBLIC CONSULTATION No1

Client  
**Iarnród Éireann**  
**Irish Rail**

Engineering Designer  
**ATKINS**  
 TYPESA Member of the SNC-Lavalin Group  
 Supported by **rps**

Project Title  
**DART+ SOUTH WEST**

Drawing Title  
**SARSFIELD ROAD BRIDGE (UBC4)  
 OPTION 2 - GENERAL ARRANGEMENT**

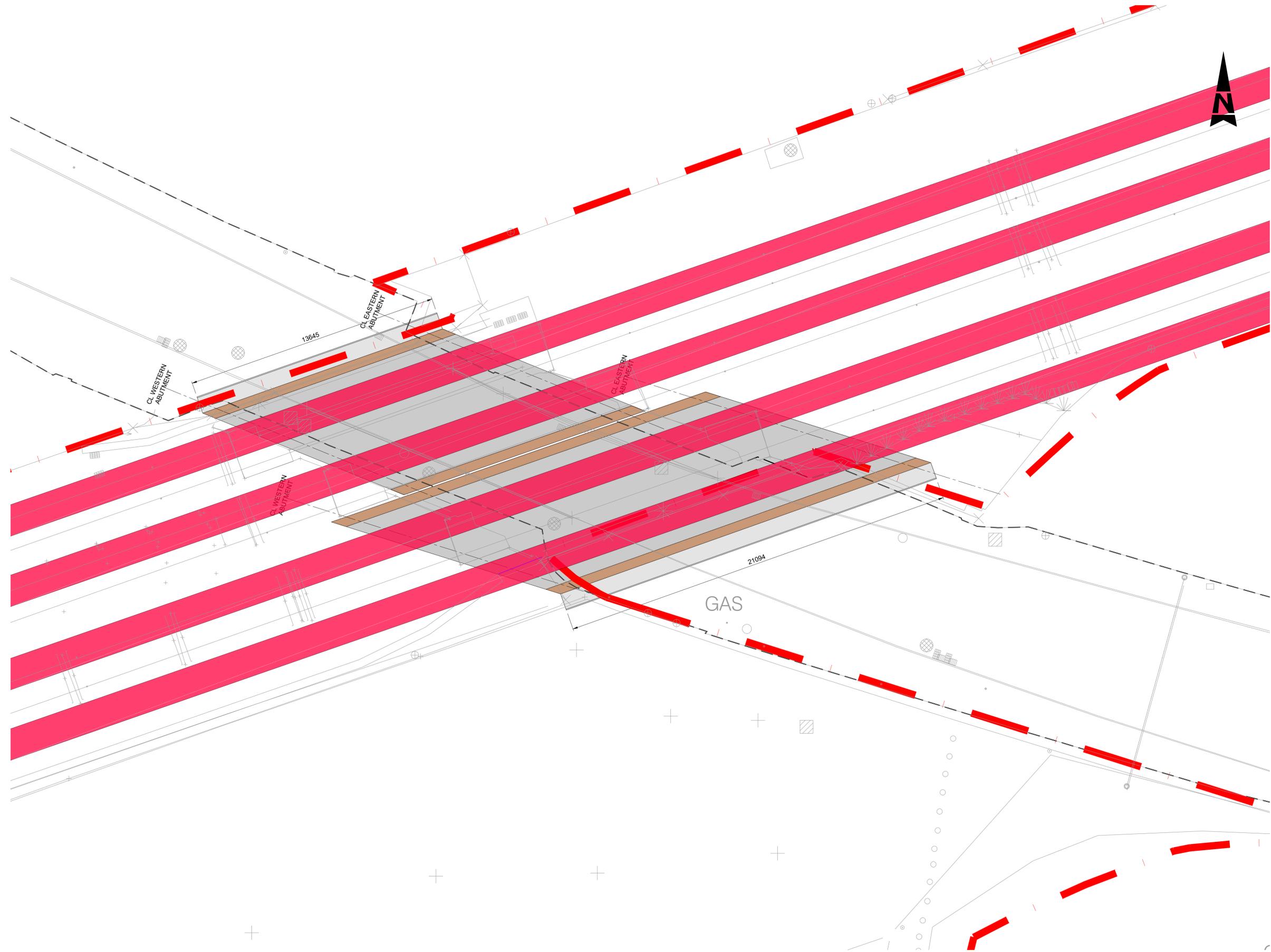
Date 28/01/21 Scale NTS @ A1, NTS @ A3  
 Drawn AOS Checked RM Approved AG

Project Code 5199586 Issuer TTA QMS Code

Drawing File Name DP-04-23-DWG-ST-TTA-55956 Version v01 Status S3

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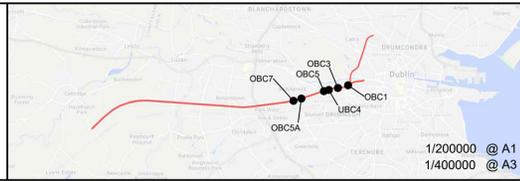
LEGEND :-  
 IRISH RAIL PROPERTY BOUNDARY



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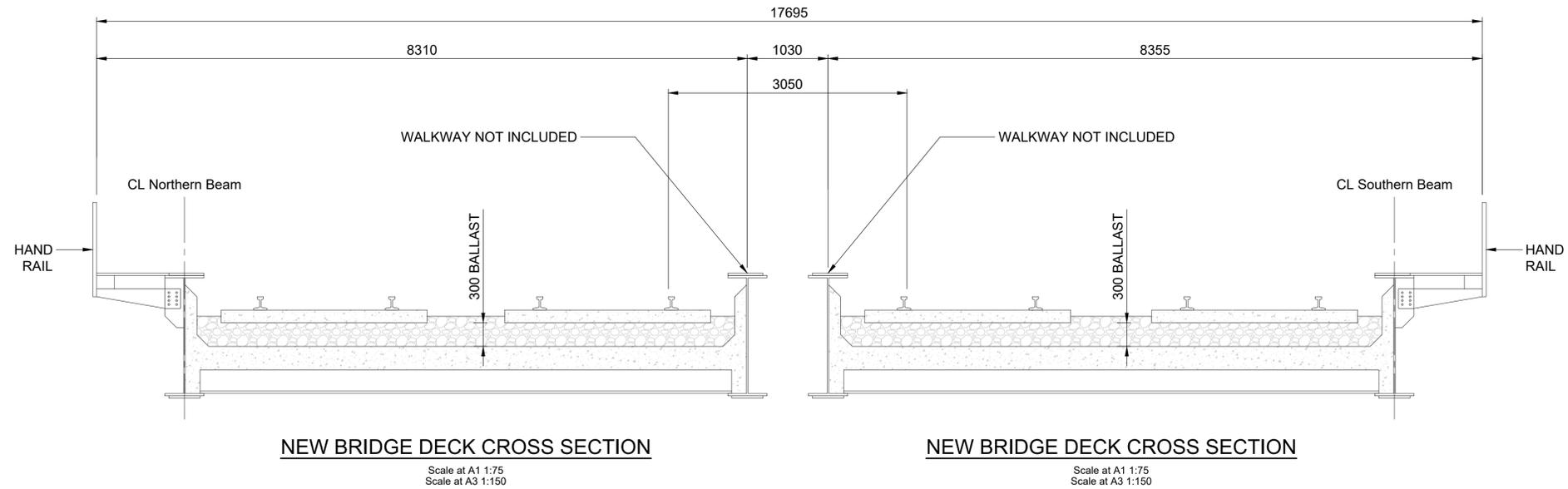


Rev	Date	Drn	Chk'd	App'd	Description
v01	21/04/21	AOS	RM	AG	FOR PUBLIC CONSULTATION No1

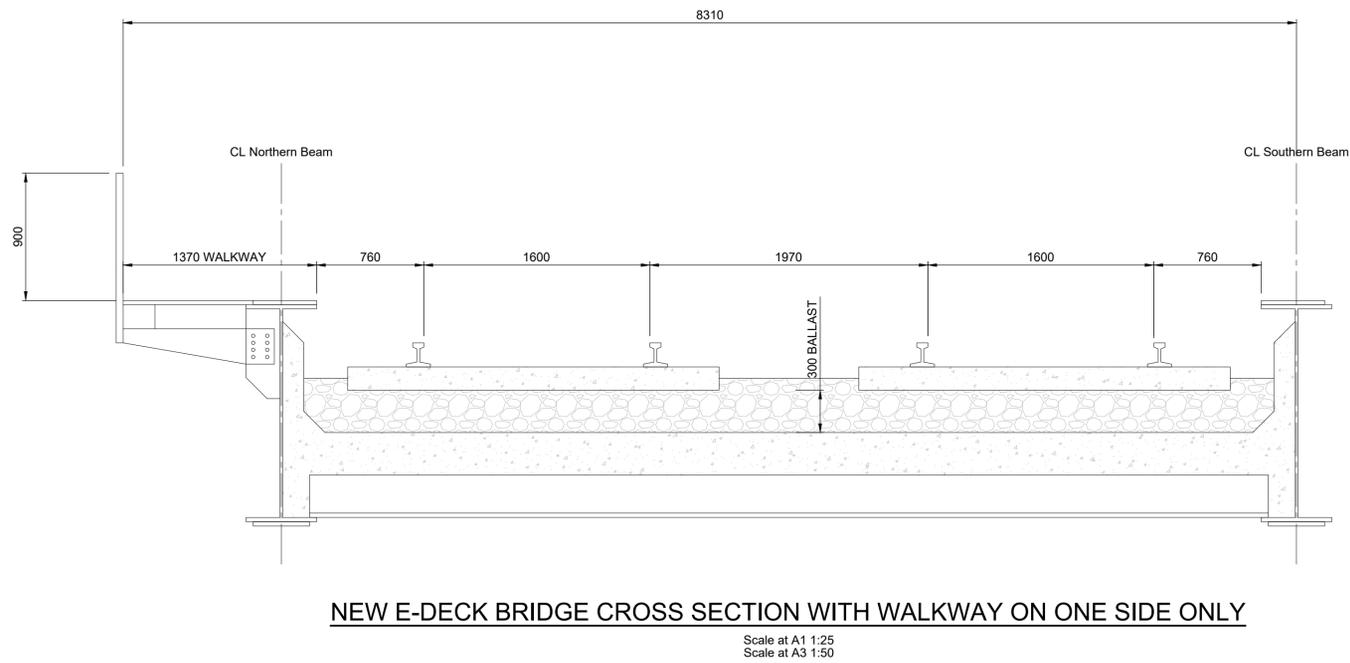
Client <b>Iarnród Éireann</b> Irish Rail		Engineering Designer <b>ATKINS</b> TYPSA Member of the SNC-Lavalin Group Supported by <b>rps</b>	
Date	28/01/21	Scale	1:100 @ A1 1:200 @ A3
Project Code	5199586	Issuer	TTA
Drawn	AOS	Checked	RM
Approved	AG	QMS Code	

Project Title <b>DART+ SOUTH WEST</b>	
Drawing Title SARSFIELD ROAD BRIDGE (UBC4) OPTION 2 - BRIDGE DECK GENERAL ARRANGEMENT	
Drawing File Name	DP-04-23-DWG-ST-TTA-55957
Version	v01
Status	S3

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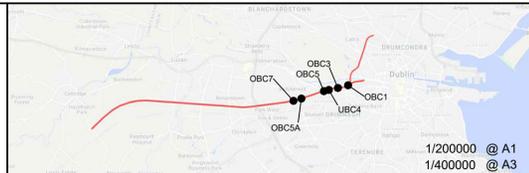
**2 x NEW BRIDGE DECKS BASED ON ALTERNATIVE 4 TRACK ALIGNMENT**



Preferred

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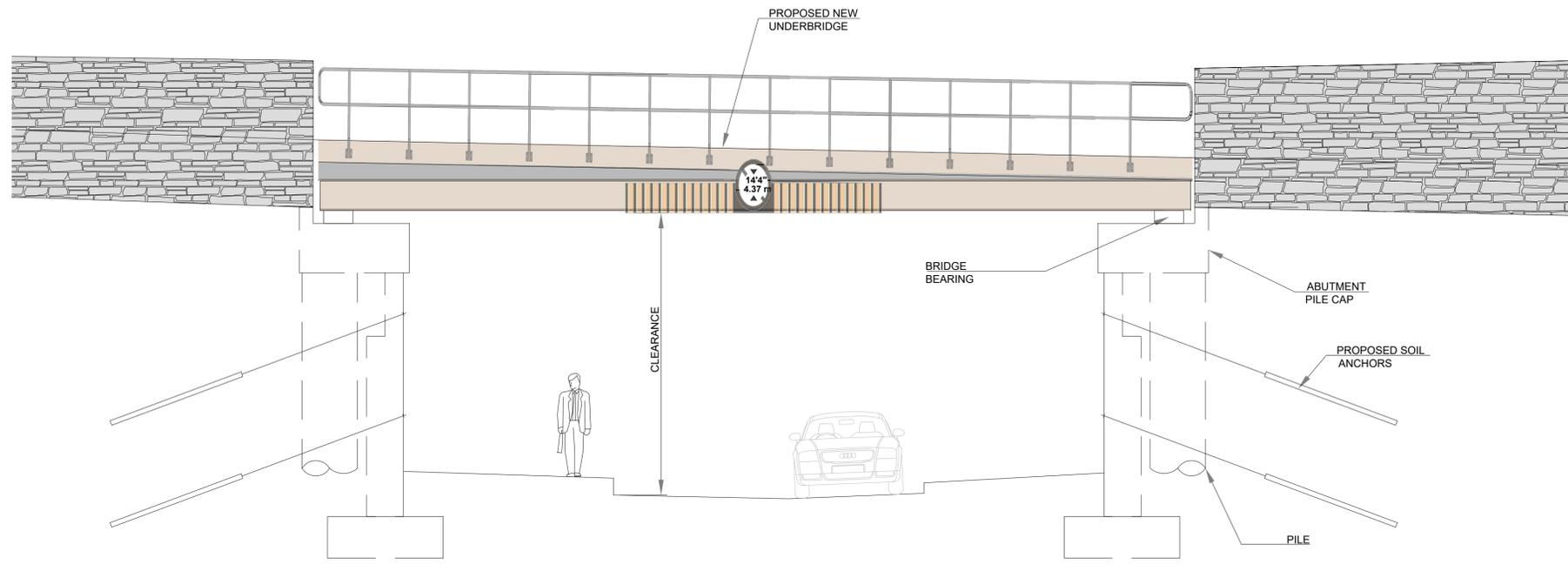
Rev	Date	Drn	Chk'd	App'd	Description
v01	21/04/21	AOS	RM	AG	FOR PUBLIC CONSULTATION No1

Client  
**larnród Éireann**  
**Irish Rail**

Engineering Designer  
**ATKINS**  
 TYPESA Member of the SNC-Lavalin Group  
 Supported by **rps**

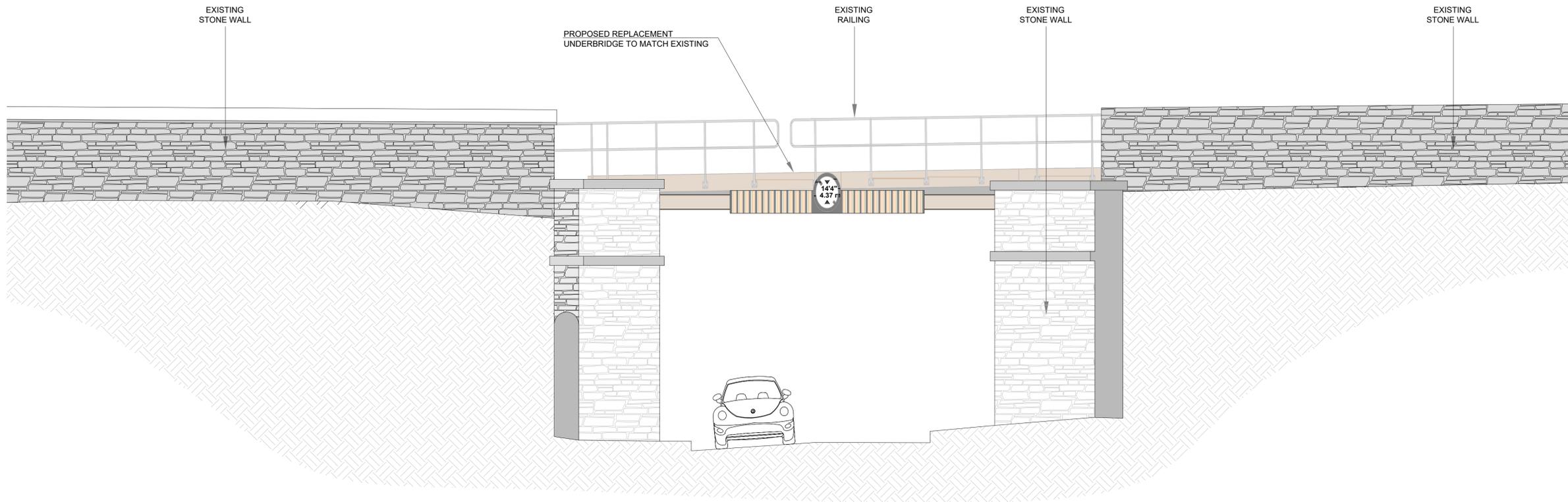
Project Title <b>DART+ SOUTH WEST</b>	
Drawing Title SARSFIELD ROAD BRIDGE (UBC4) OPTION 2 - BRIDGE DECK CROSS SECTIONS	
Date 28/01/21	Scale Shown @ A1 Shown @ A3
Drawn AOS	Checked RM
Approved AG	
Project Code 5199586	Issuer TTA
QMS Code	
Drawing File Name DP-04-23-DWG-ST-TTA-55958	Version v01
Status S3	

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**INDICATIVE ELEVATION ON SOUTH BRIDGE**

Scale at A1 1:100  
Scale at A3 1:200



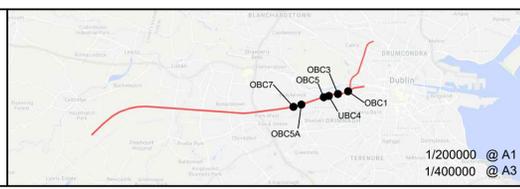
**INDICATIVE ELEVATION ON NORTH BRIDGE**

Scale at A1 1:100  
Scale at A3 1:200

Preferred

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V01	21/04/2021	AOS	RM	AG	FOR PUBLIC CONSULTATION NO1

Client <b>Irish Rail</b>		Engineering Designer <b>ATKINS</b>	
Date 28/01/21	Scale 1:50 @ A1 1:100 @ A3	Drawn AOS	Checked RM
Project Code 5199586	Issuer TTA	Approved AG	QMS Code

Project Title <b>DART+ SOUTH WEST</b>
Drawing Title <b>SARSFIELD ROAD BRIDGE (UBC4) OPTION 2 - SOUTHERN BRIDGE ELEVATION</b>
Drawing File Name DP-04-23-DWG-ST-TTA-55959
Version v01
Status S3

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