

# ARDFINNAN PEDESTRIAN & CYCLE BRIDGE



## PROJECT BACKGROUND

Tipperary County Council (TCC) are developing a designated crossing facility for pedestrians and cyclists over the River Suir in the village of Ardfinnan, County Tipperary. The current emerging preferred option is a new bridge which is to provide a designated crossing facility for pedestrians and cyclists over the River Suir and to allow for the commercial and housing premises in the north of the village, to connect with the village amenities in the south. The project is referred to as Ardfinnan Pedestrian & Cycle Bridge.

Arup have been appointed by Tipperary County Council to provide multi-disciplinary engineering and other specialist consultancy services for the Preliminary Design Stage, i.e. Phase 3 of the project in accordance with the National Transport Agency (NTA) Project Approval Guidelines 2024. A breakdown of the individual NTA phases are shown below. While government funding has been allocated for the delivery and completion of Phase 3, there is currently no financial commitment for the future progression of the emerging preferred option.

## KEY OBJECTIVES

1. The primary objective of the project is to provide safe and accessible pedestrian and cyclist facilities across Ardfinnan Bridge
2. To promote active travel and encourage sustainable travel alternatives.
3. Achieve the primary objectives while minimizing impacts on the fabric and heritage of the existing Ardfinnan Bridge.
4. To ensure the project (either during construction or in the permanent condition) will not result in significant adverse effects to the Lower River Suir SAC.
5. To ensure the project aligns with and supports the relevant National Plans and Policies.

## PROJECT DEVELOPMENT

In the previous phase, Phase 2, an optioneering assessment was carried out to investigate and develop feasible options for providing safe pedestrian and cyclist facilities across Ardfinnan Bridge. The emerging preferred option from this phase was an Independent Footbridge.

The proposed Ardfinnan Pedestrian & Cycle Bridge is to be located adjacent to the eastern side of the existing Ardfinnan Bridge, connecting into Barrack St on the north bank and Main St on the south. The proposed bridge is to be curved in plan and is to have a maximum offset of 7.0 m from the eastern apron of the existing bridge. The location of the proposed bridge gives the opportunity for new sightlines of the historic Ardfinnan Castle and Mills to be created and allows for a high level of connectivity between north and south of the river.

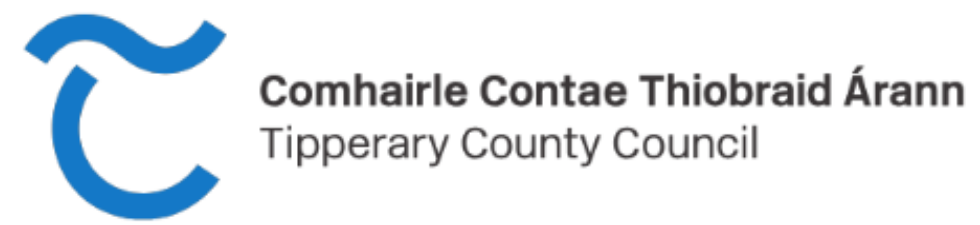
The main aim of Phase 3 is put forward a robust and efficient preliminary design so that the planning approval can be achieved in Phase 4 (funding dependent). A full programme of the phasing development is shown in the image to right.

Baseline Ecological and Archaeological surveys have been completed which will be inputted into the EIA and AA Screening. However, it is anticipated that an Environmental Impact Assessment Report (EIAR) and Natura Impact Assessment (NIS) will be required, with statutory approval obtained through An Bórd Pleanála (ABP).



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ARUP

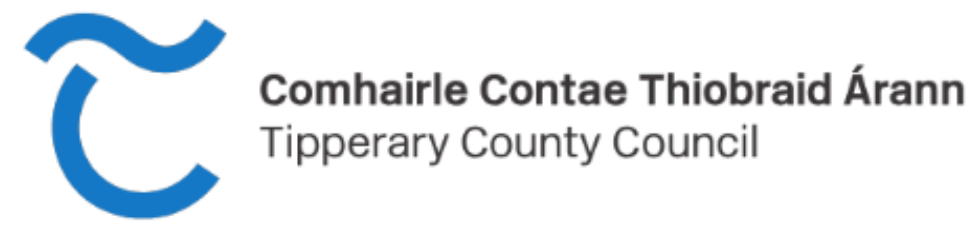


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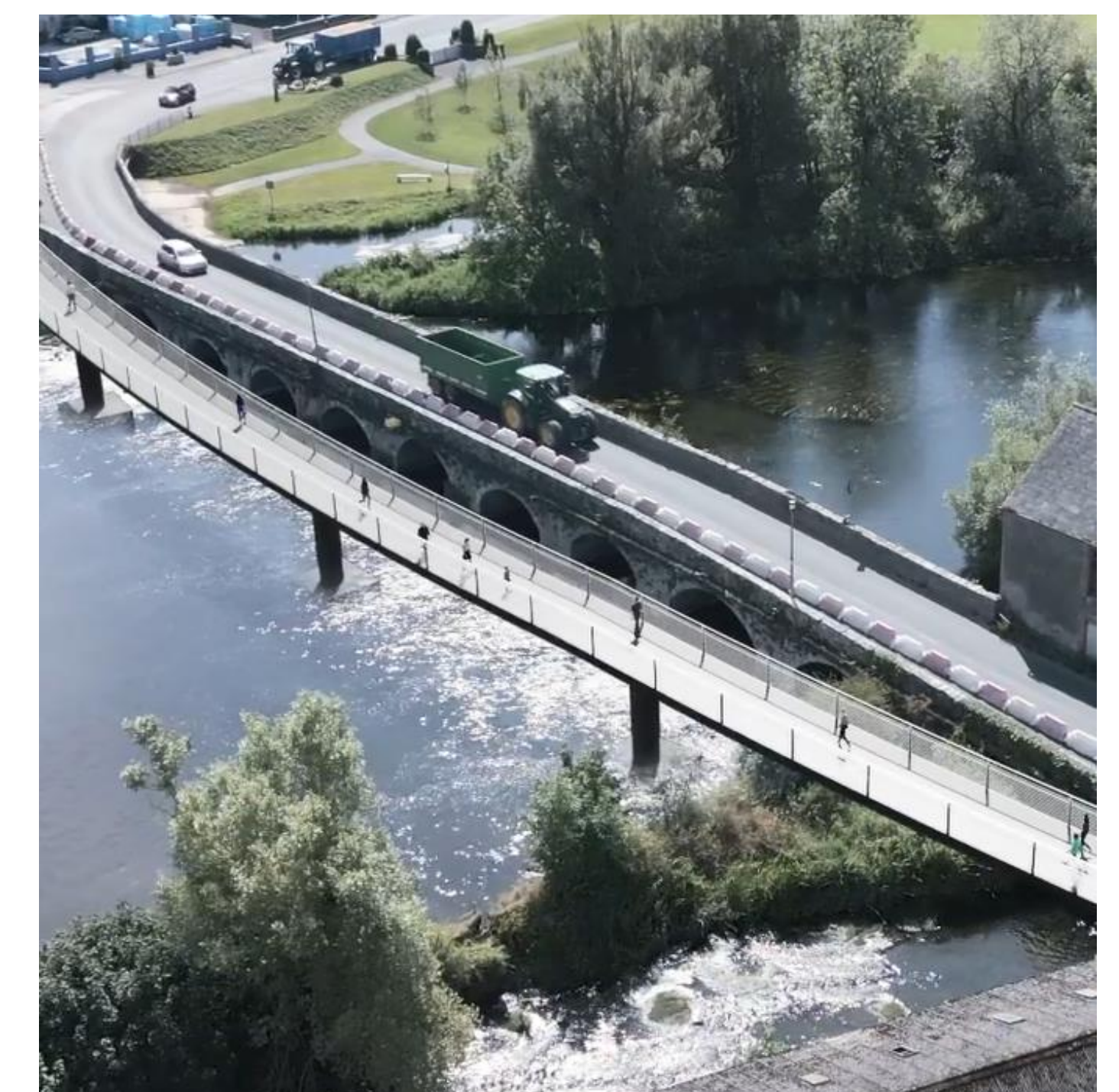


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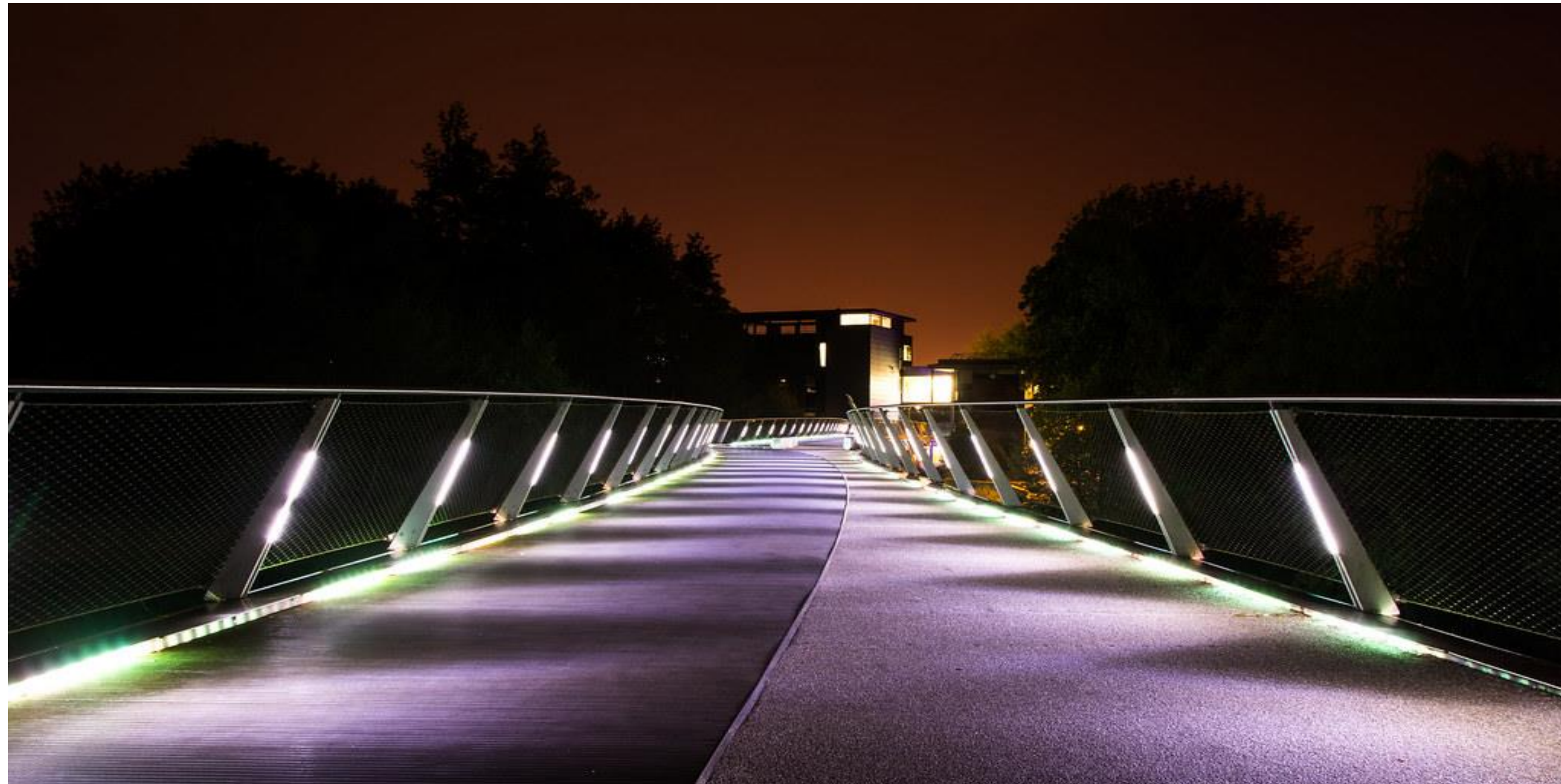
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Comhairle Contae Thiobraid Árann  
Tipperary County Council

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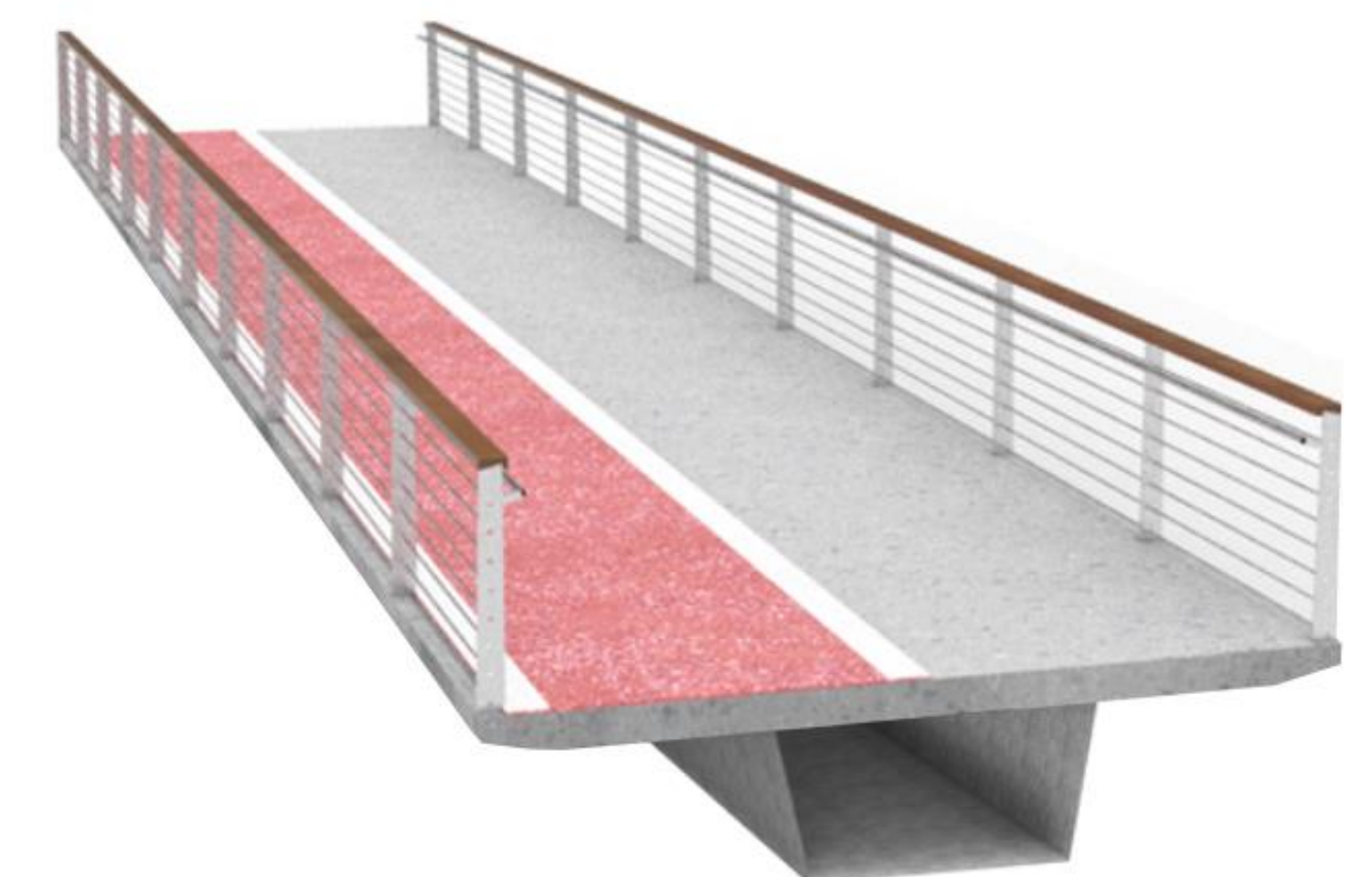


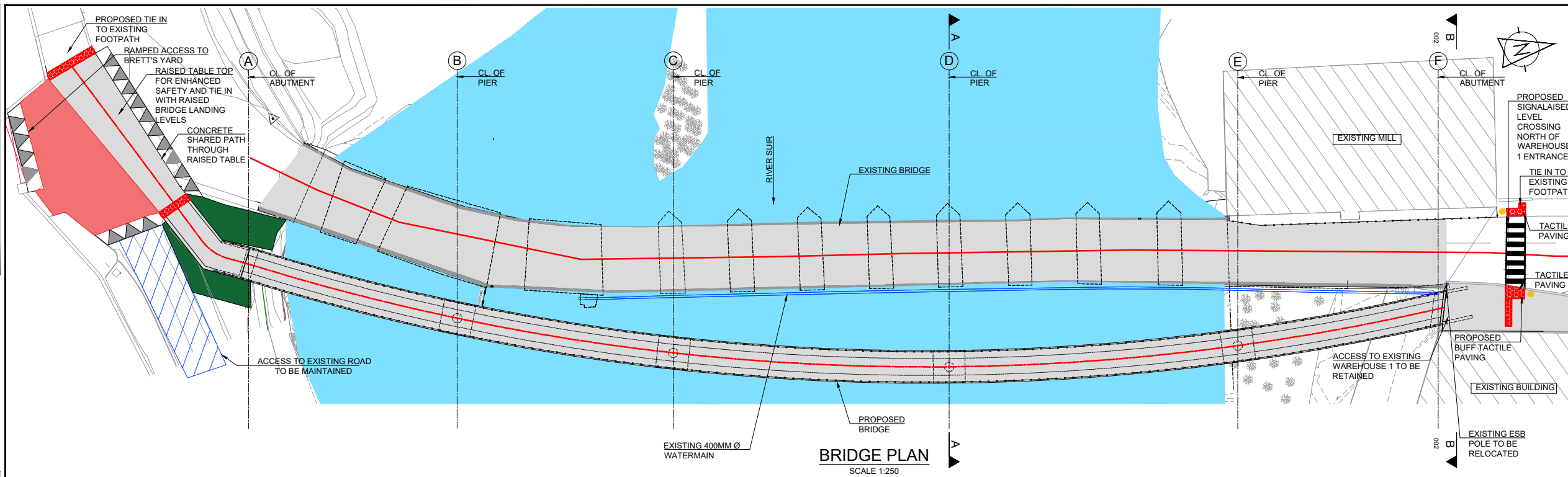
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SURFACING



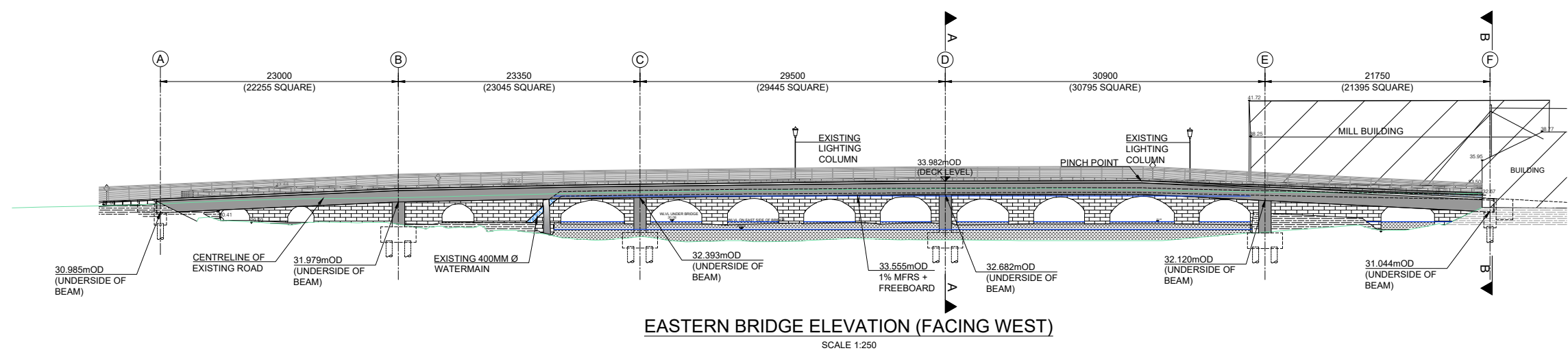
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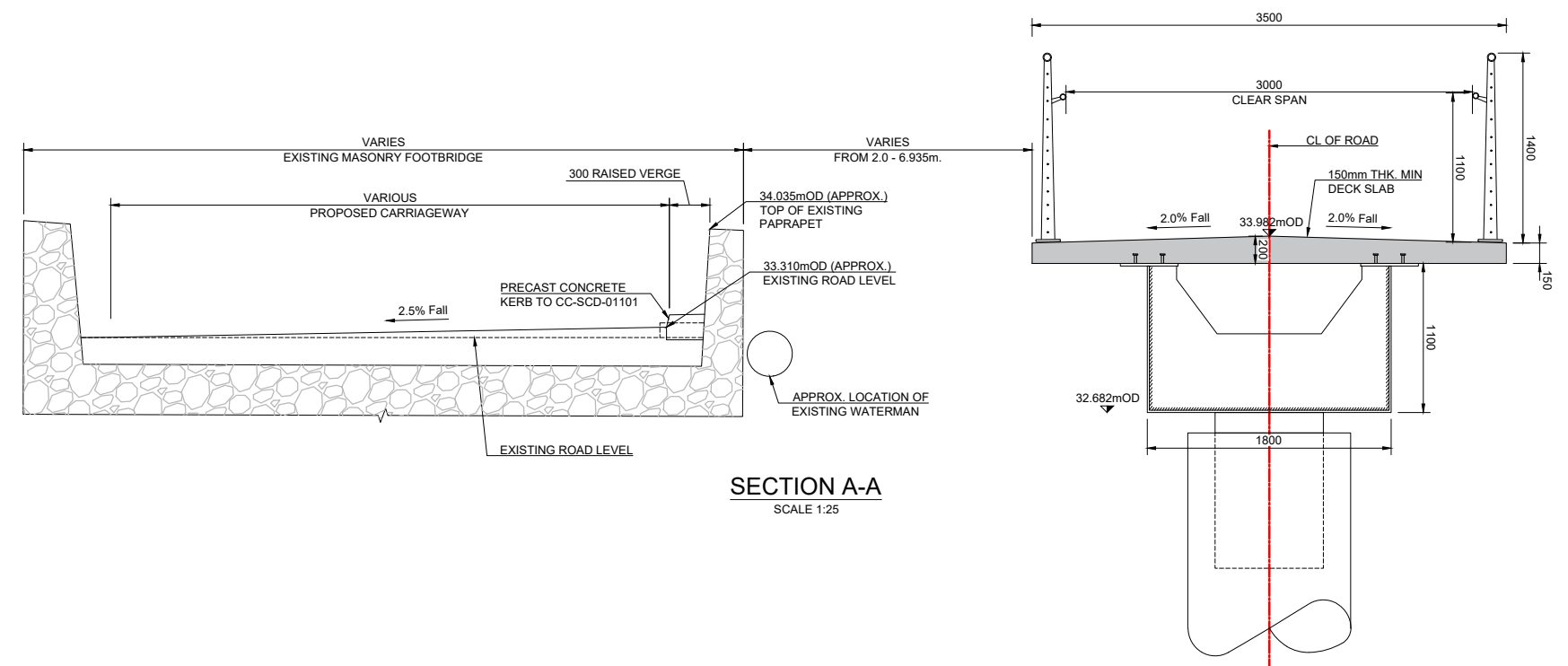


**BRIDGE PLAN**  
SCALE 1:250

- NOTES:
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETRES UNLESS NOTED OTHERWISE.
  2. ALL LEVELS ARE SHOWN IN METRES ABOVE ORDNANCE DATUM.



**EASTERN BRIDGE ELEVATION (FACING WEST)**  
SCALE 1:250



**SECTION A-A**  
SCALE 1:25

1	First Draft	KR	16/08/2024	HC	RB
Rev	Description	By	Date	Chk'd	Auth

Client  
 Comhairle Contae Thiobraid Árann  
 Tipperary County Council

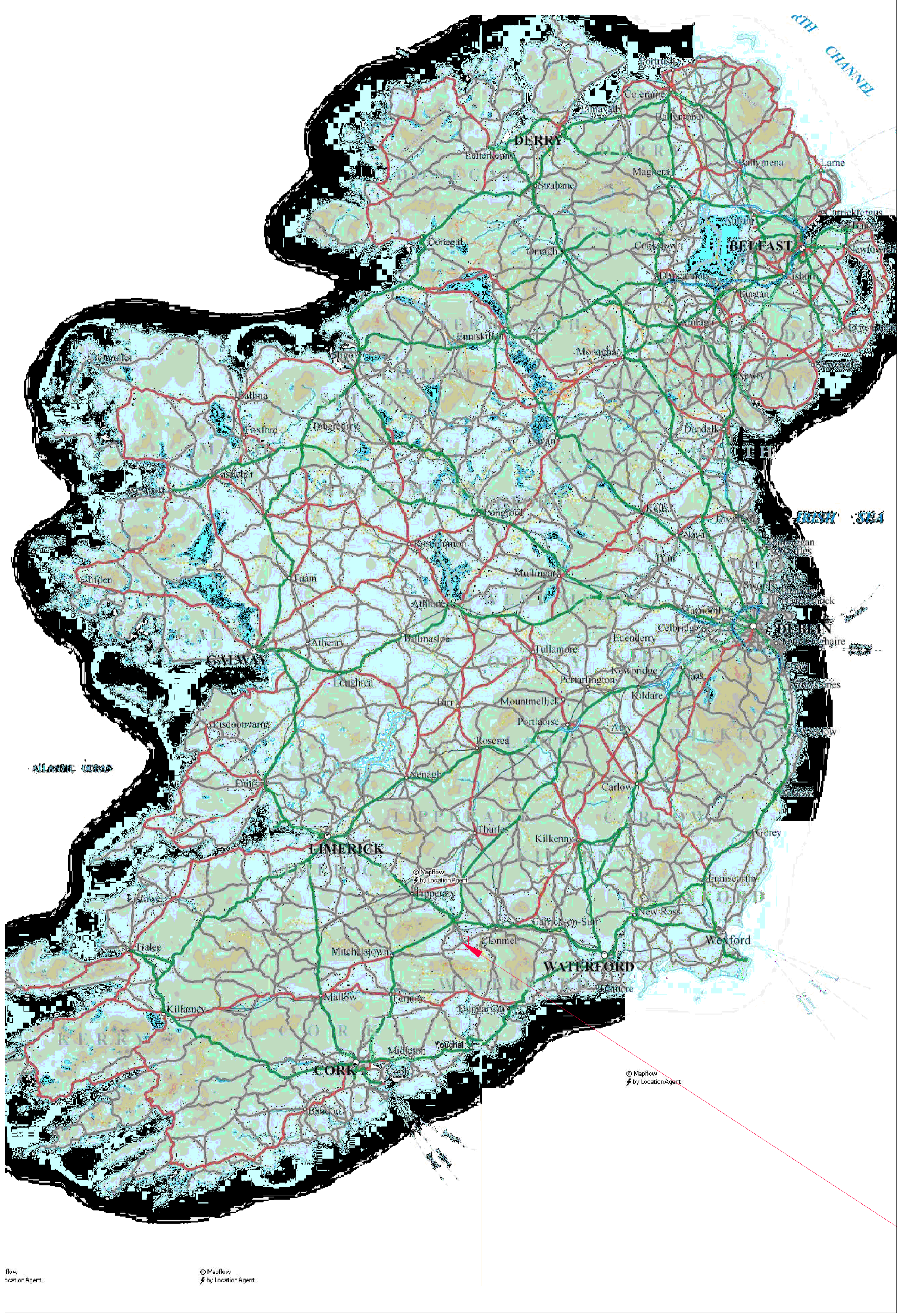
Project  
**ARDFINNAN BRIDGE - GA**

Designer  
 ARUP  
 50 Ringsend Road  
 D04 T6X0  
 Dublin  
 Ireland

Title  
**General Arrangement**

Sheet Size	Original Scale	Designed/Drawn	Checked	Authorised
A1	As shown	KR	HC	RB
Status	Drawing Number	Date	Date	Date
P	299507-ARUP-ZZ-XX-DR-CB-001	28/11/2024	28/11/2024	28/11/2024

DO NOT SCALE



MAP OF IRELAND  
 SCALE 1:1000000

ARDFINNAN PROPOSED PEDESTRIAN AND CYCLE BRIDGE  
 E: 208263  
 N: 117593



SCHEME LOCATION  
 SCALE 1:2500

ARDFINNAN PROPOSED PEDESTRIAN AND CYCLE BRIDGE

1	First Draft	KR	19/07/2024	HC	RB
Rev	Description	By	Date	Chk'd	Auth

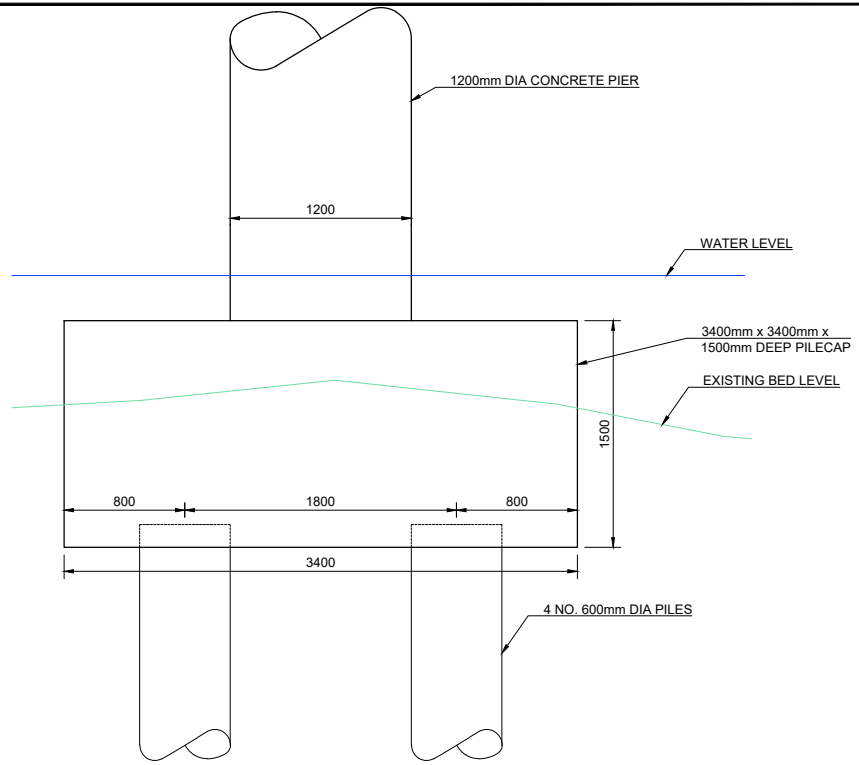


Project  
**ARDFINNAN BRIDGE - GA**

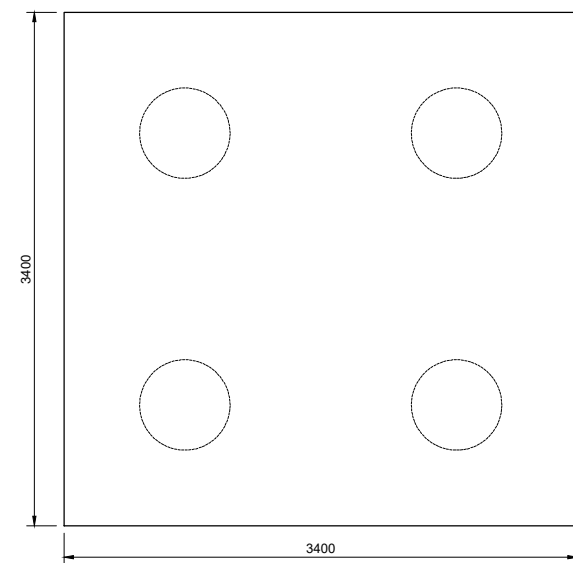
Designer  
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Title  
 Site Location

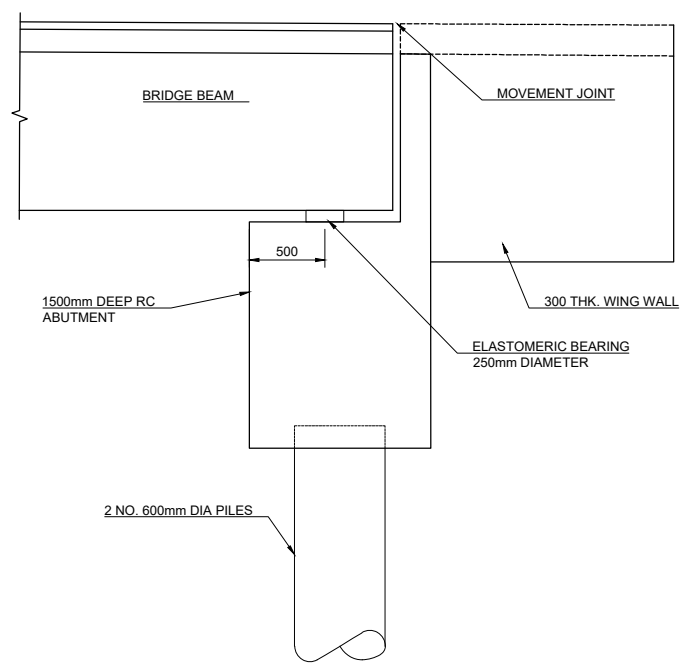
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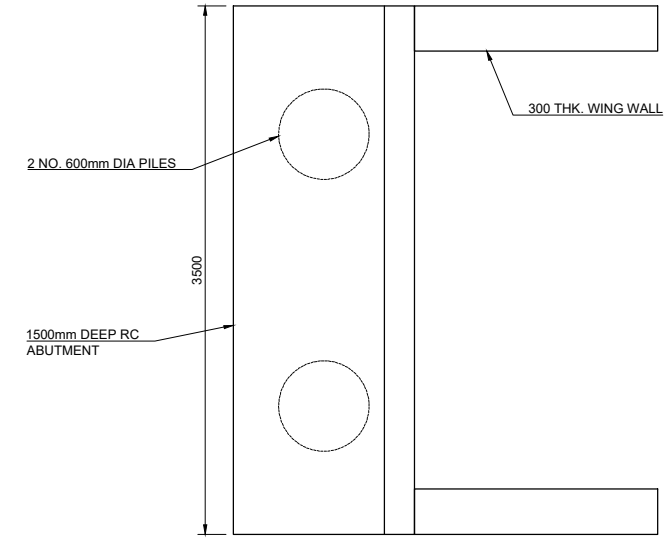
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 SCALE 1:25



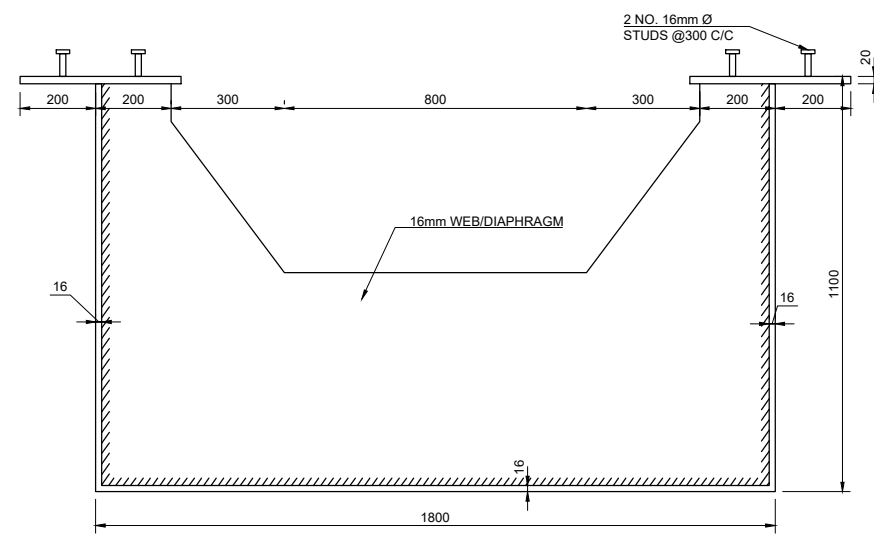
TYPICAL PILE CAP PLAN  
 SCALE 1:25



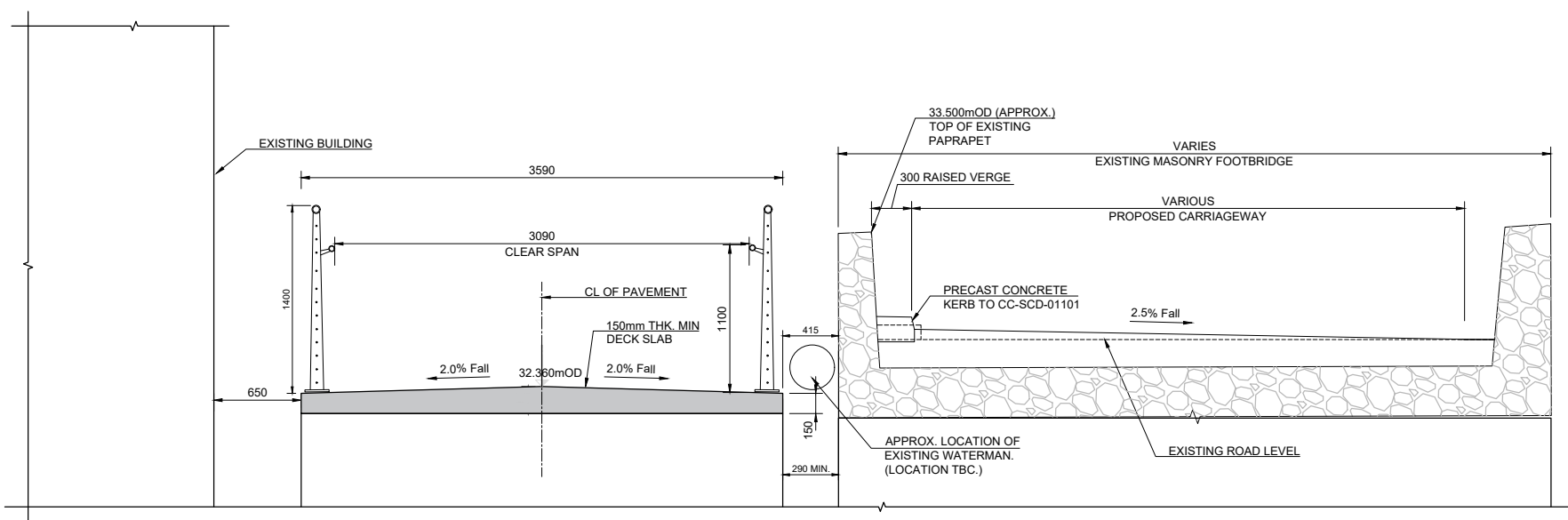
TYPICAL ABUTMENT  
 SCALE 1:25



TYPICAL ABUTMENT PLAN  
 SCALE 1:25



PRIMARY BOX  
 SCALE 1:10



CROSS SECTION NORTHERN ABUTMENT  
 SCALE 1:25

- NOTES:
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1	FIRST DRAFT	KR	28/11/2024	HC	RR
Rev	Description	By	Date	Chk'd	Auth

Client  
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**TYPICAL DETAILS & CROSS SECTIONS**

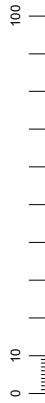
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Rev  
P0

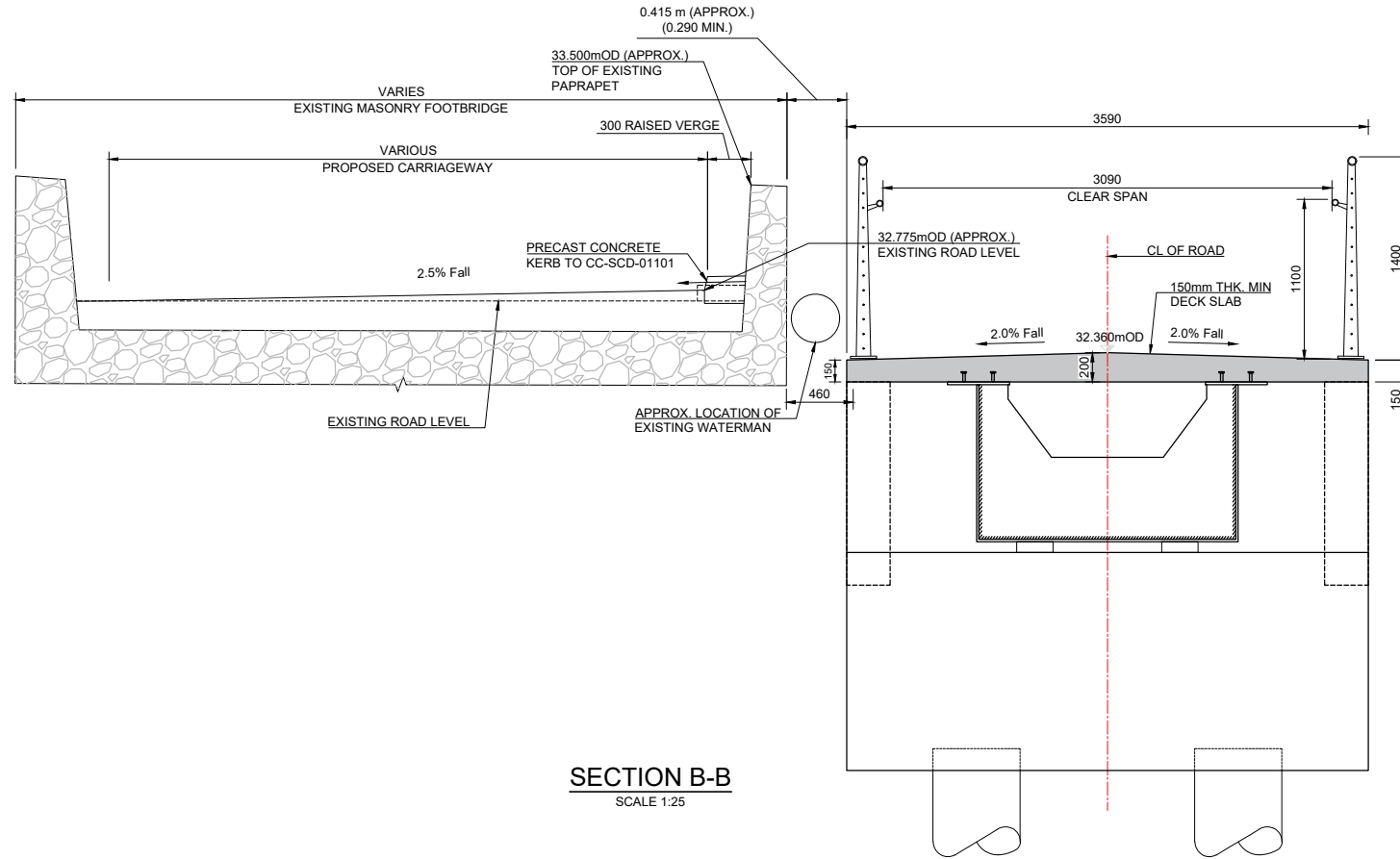
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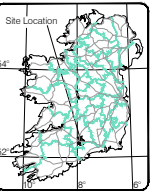
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SECTION B-B  
SCALE 1:25

NOTES:

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1	First Drawing	KR	28/11/2024	HC	RB
Rev	Description	By	Date	Chk'd	Auth

Client  

**Comhairle Contae Thiobraid Árann**  
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**ARDFINNAN BRIDGE - GA**

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Title  
**CROSS SECTIONS**

Sheet Size	Original Scale	Designed/Drawn	Checked	Authorised
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Status	Drawing Number	Date	Date	Date
<b>P</b>	299507-ARUP-ZZ-XX-DR-CB-003	18/07/2024	18/07/2024	18/07/2024

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**P0**



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