



REV.	DATE	Description	PRODUCED BY	REVIEWED BY	APPROVED BY
V01	August 2023	Proposed Developments following Railway Order Submissions	GDV	JDR	CCH

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 Survey No. 0039720 (OSi Aerial Data or OSi Lidar Data) & Survey No. 2020OSi_NMA_180 (OSi Vector Data).
 All elevations are in metres and relate to OSi Geoid Model (OSGM02) Mean 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 (TLG).

Client

Consultant

Project

Drawing Title

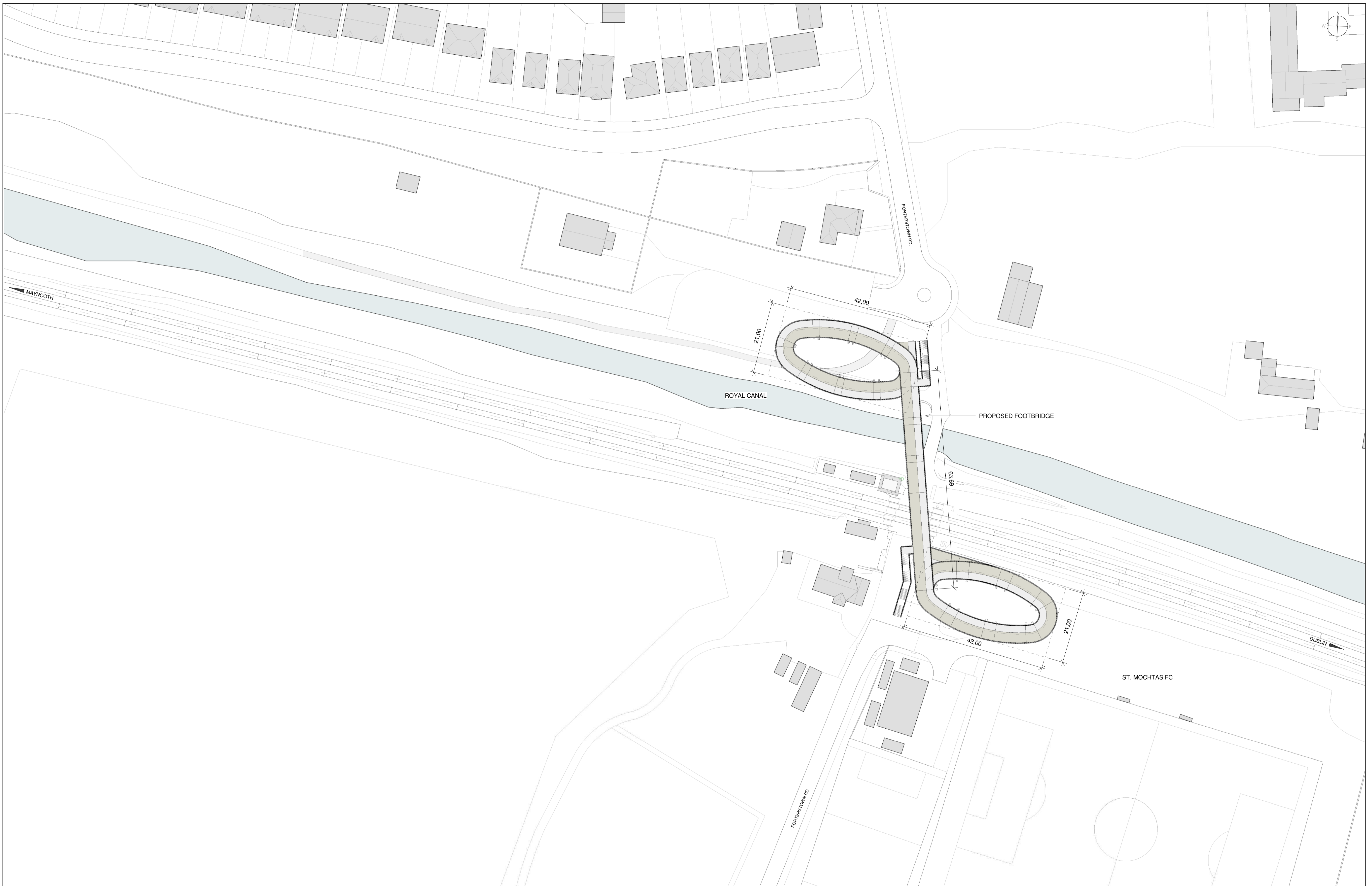
Scale:

1:500 @ A1

LEVEL CROSSING DESIGN
PORTERSTOWN PEDESTRIAN CROSSING
STATION LOCATION. EXISTING

Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase
MAY	MDC	ARC	LC03	DR	A	0001	D	

Date:	Job No:	Status:	Rev:	Sheet:
AUGUST 2023	P/101086	S3 - For Review & Comment	V01	1 of 2



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Client

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Project

Drawing Title

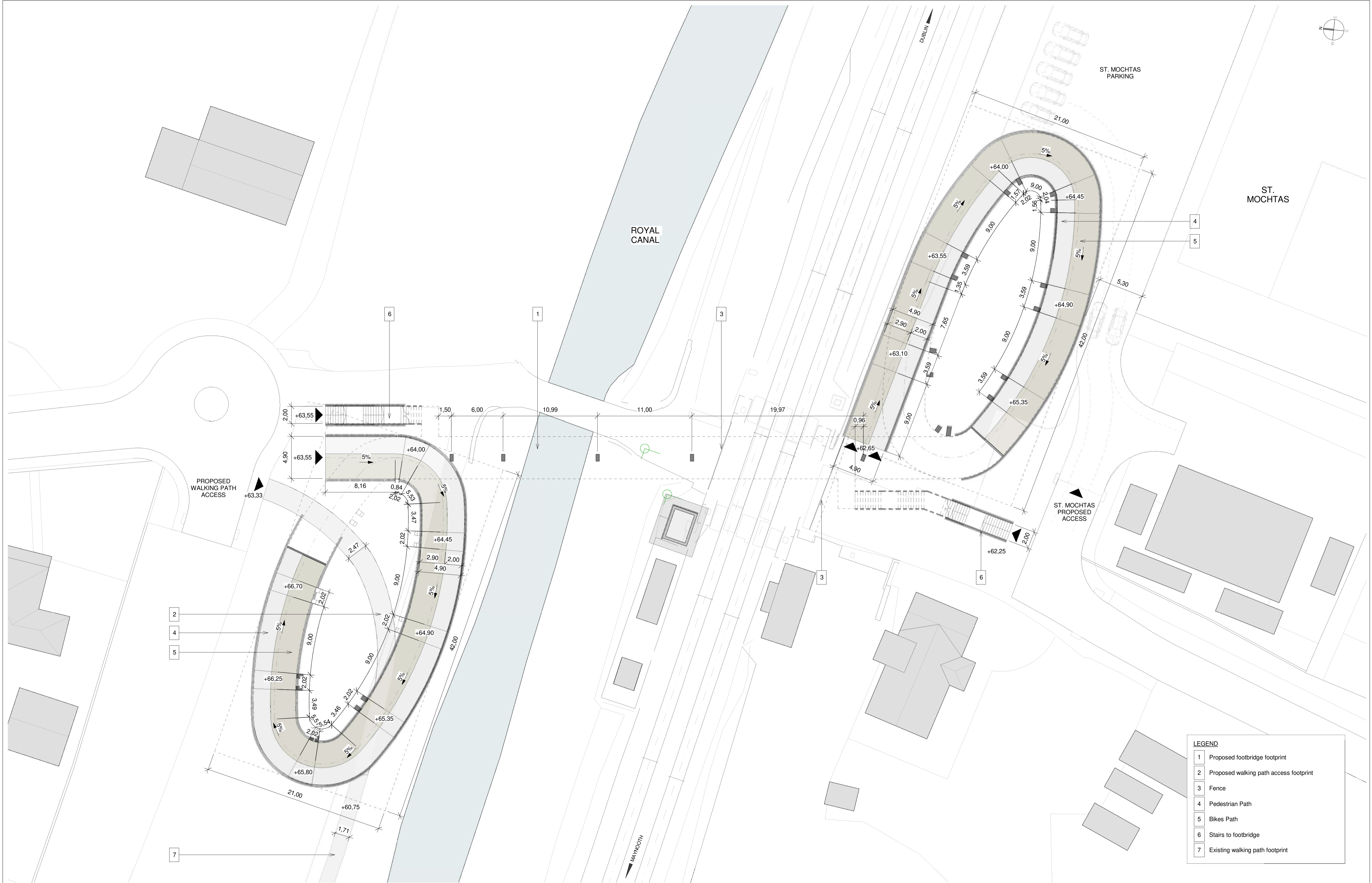
LEVEL CROSSING DESIGN
PORTERSTOWN PEDESTRIAN CROSSING
STATION LOCATION, PROPOSED

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase

MAY | MDC | ARC | LC03 | DR | A | 0001 | D

Date: AUGUST 2023 | **Job No.:** P/101086 | **Status:** S3 - For Review & Comment | **Rev:** V01 | **Sheet:** 2 of 2

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Client

Tionscald Éireann
Project Ireland
2040

NTA
Údarás Náisiúnta Iompar
National Transport Authority

Iarnród Éireann
Irish Rail

Consultant

IDOM

EROD
EDUIGHAN & O'DONOVAN

Project

DART+
West

Drawing Title

LEVEL CROSSING DESIGN
PORTERSTOWN PEDESTRIAN CROSSING
STREET LEVEL PLAN

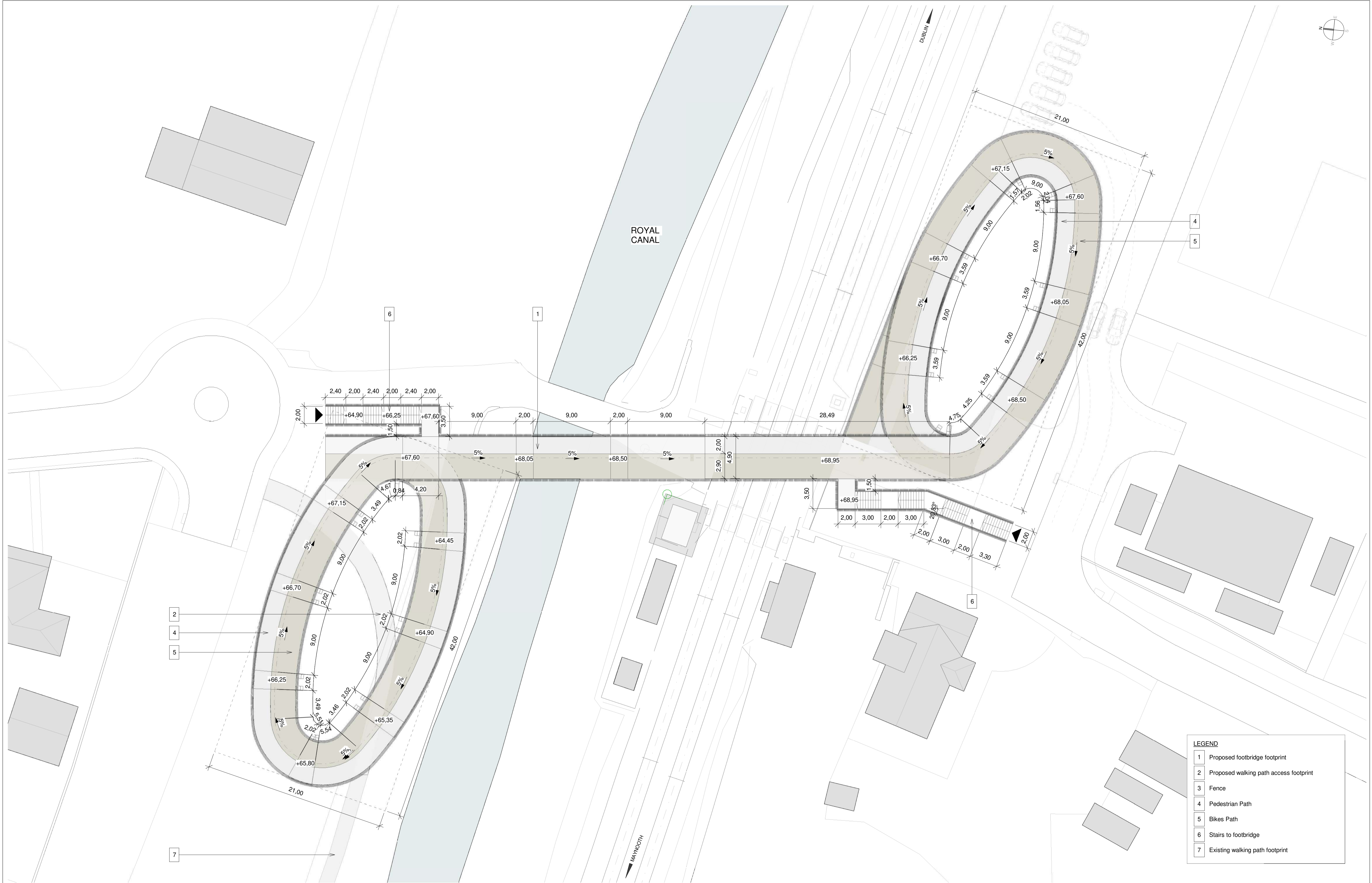
Drawing Number

Project | Originator | Discipline | Location | Type | Role | Number | Phase
MAY | MDC | ARC | LC03 | DR | A | 0002 | D

Date: AUGUST 2023 | Job No: P/101086 | Status: S3 - For Review & Comment | Rev: V01 | Sheet: 1 of 2

Scale: 1:200 @ A1

0 1 2 3 4 5 10



LEGEND

1	Proposed footbridge footprint
2	Proposed walking path access footprint
3	Fence
4	Pedestrian Path
5	Bikes Path
6	Stairs to footbridge
7	Existing walking path footprint

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Iarnród Éireann
Irish Rail

Consultant

IDOM

3

PROJOD
ROUGHAN & O'DONOVAN

Project

DART+
West

Drawing Title

LEVEL CROSSING DESIGN
PORTERSTOWN PEDESTRIAN CROSSING
FOOTBRIDGE LEVEL PLAN

Scale:

1:200 @ A1

Drawing Number

Project	Originator	Discipline	Location	Type	Role	Number	Phase
MAY	MDC	ARC	LC03	DR	A	0002	D

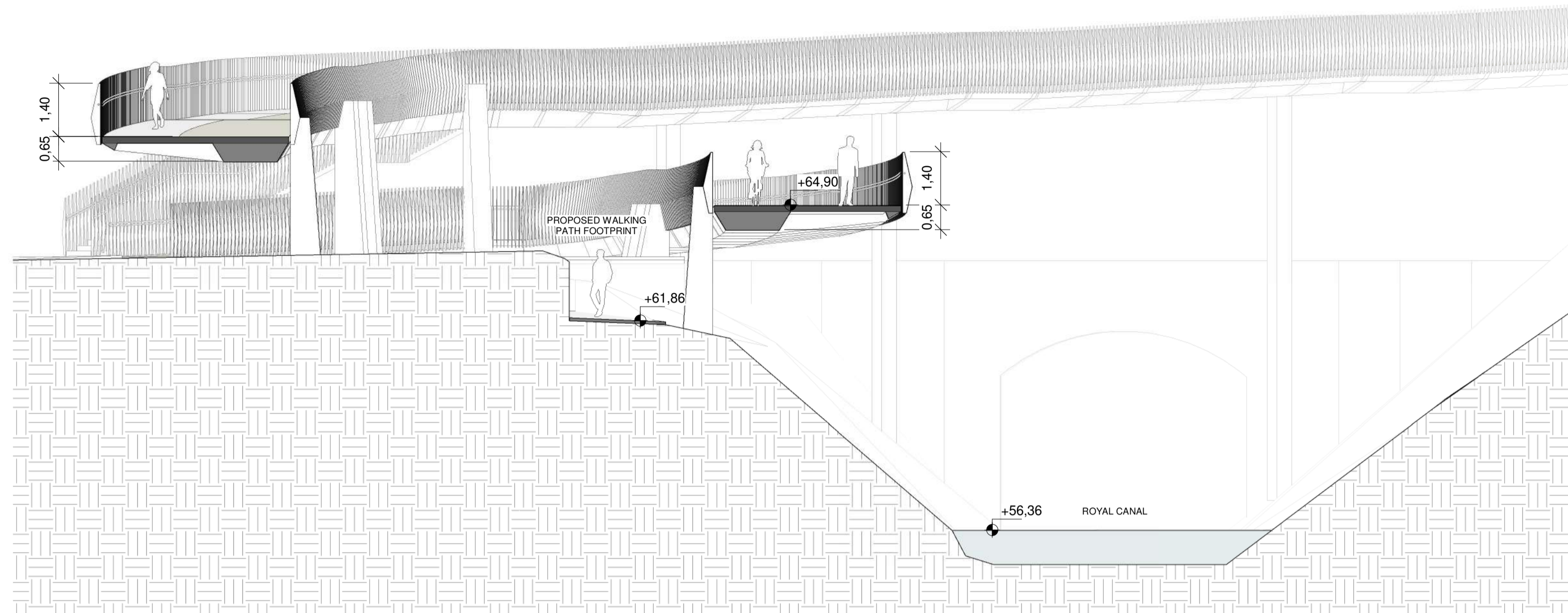
Date: AUGUST 2023

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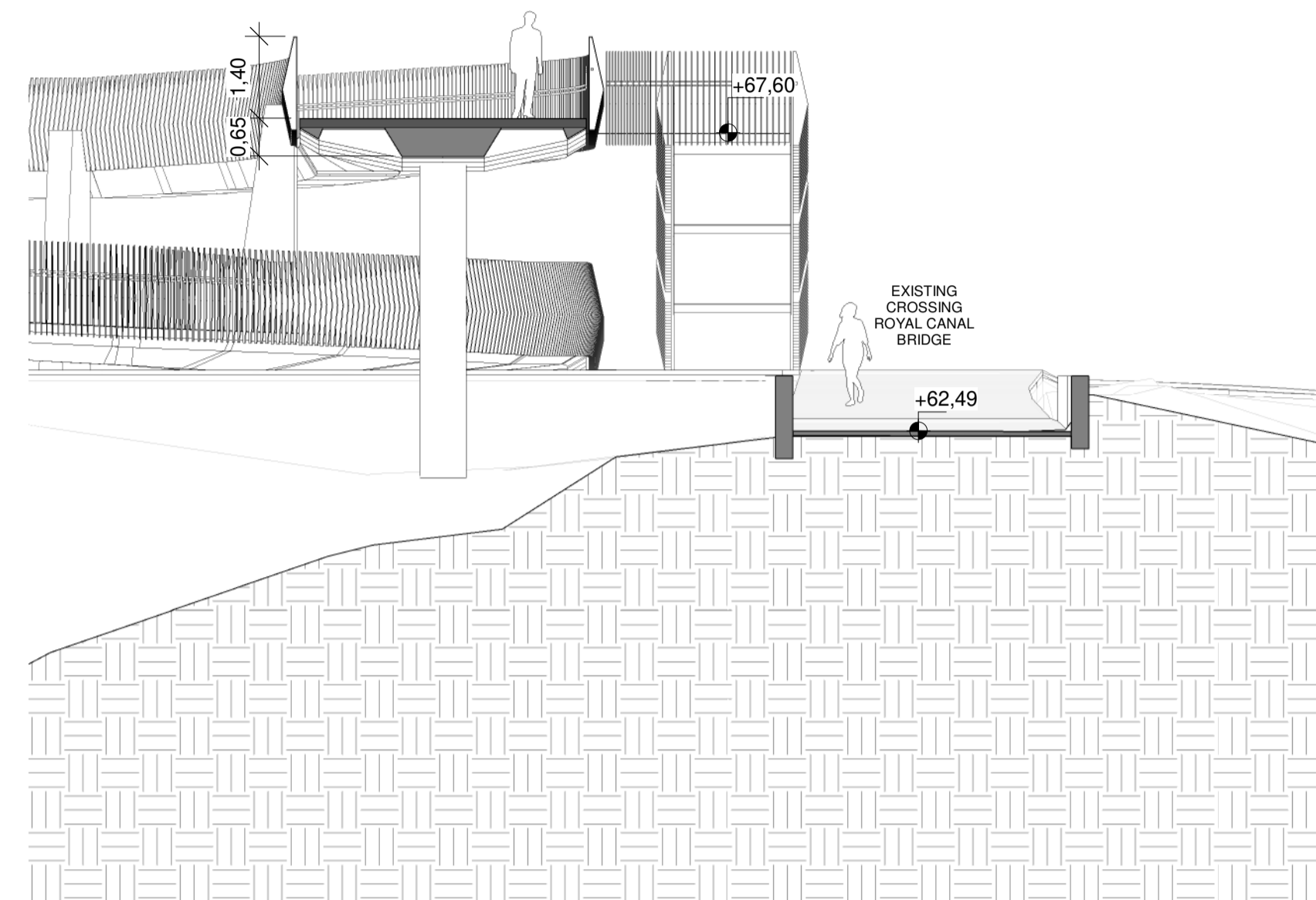
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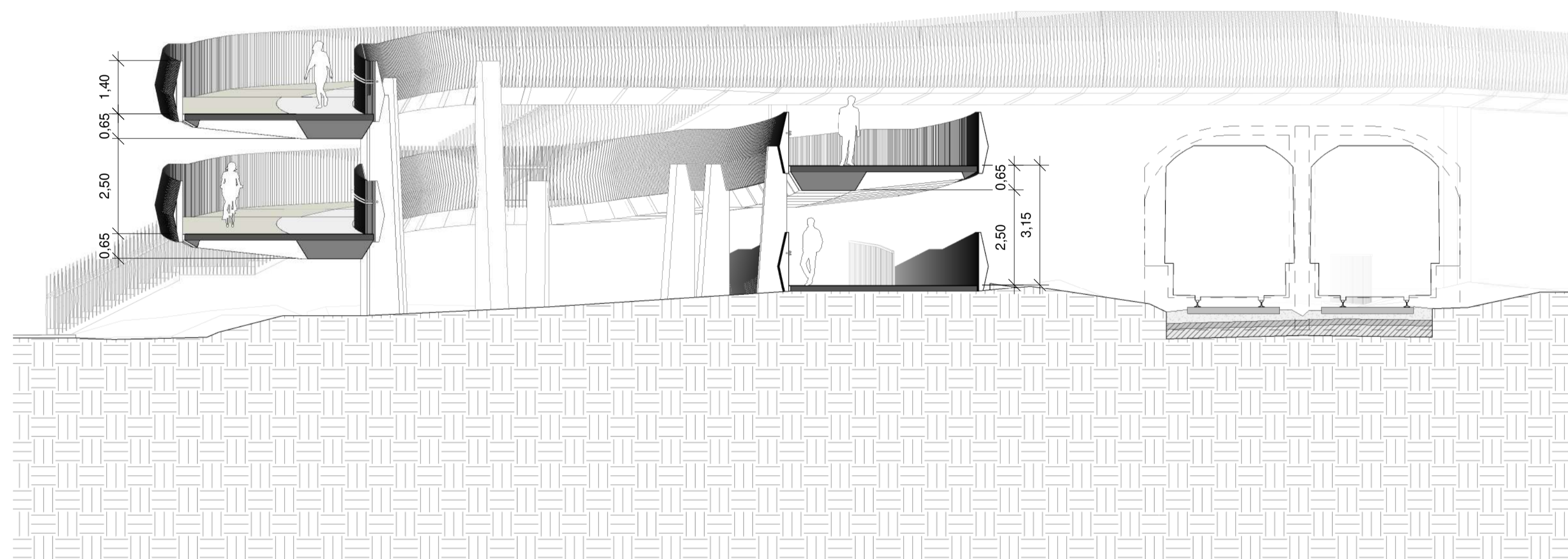
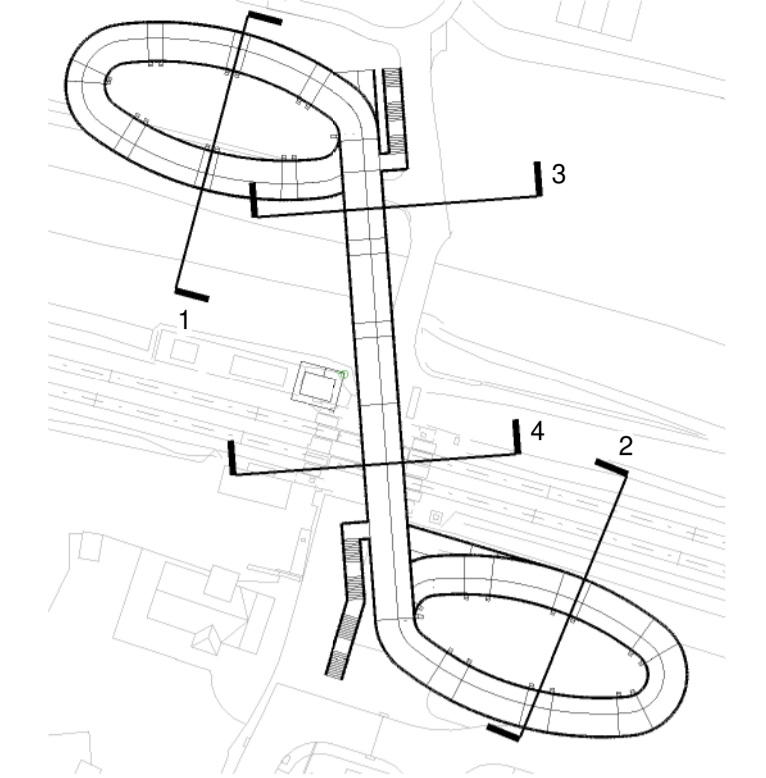
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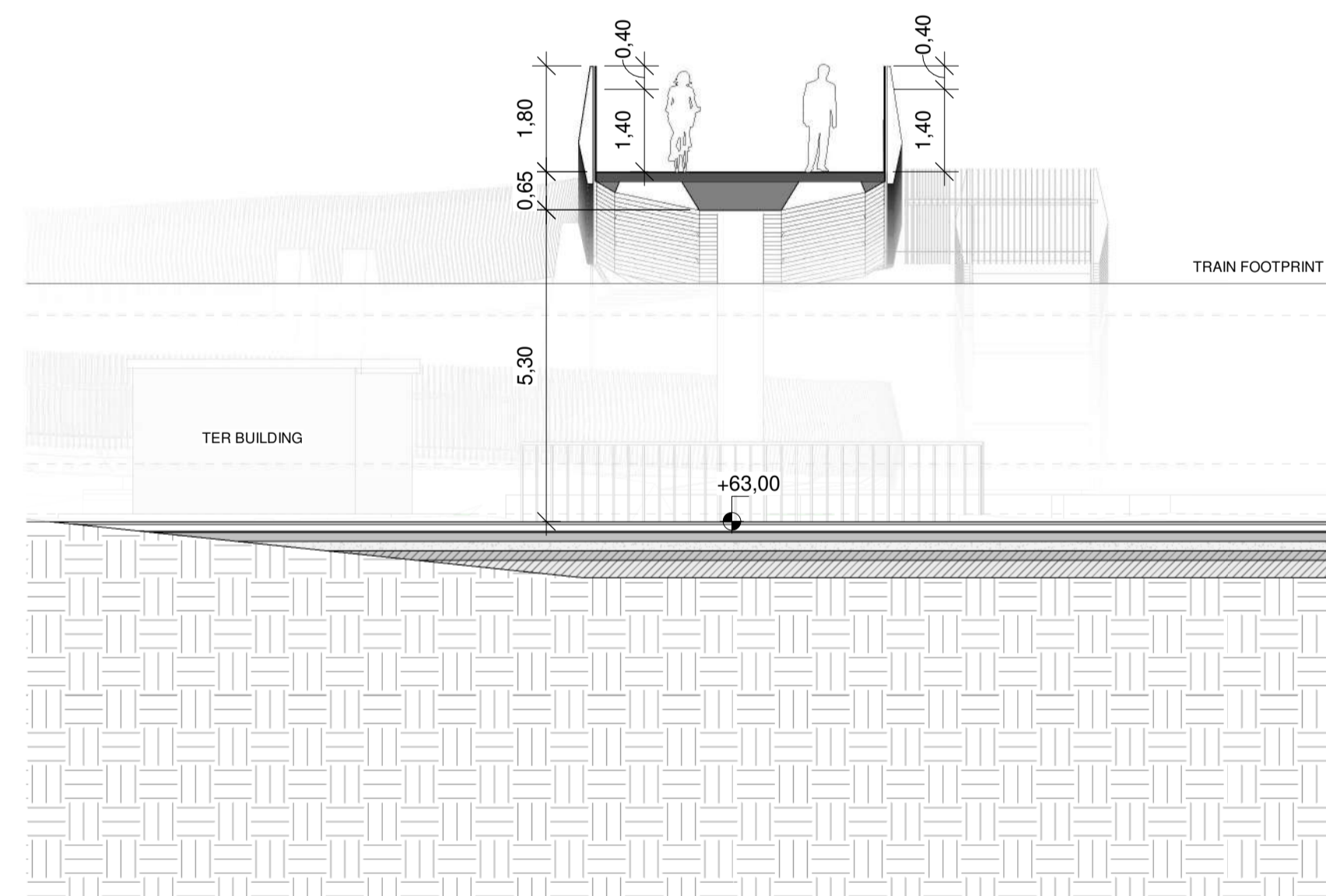
1 Cross Section 01_North Oval
Scale 1:100



3 Cross Section 03_Bridge
Scale 1:100



2 Cross Section 02_South Oval
Scale 1:100



4 Cross Section 04_Track
Scale 1:100

- NOTES**
- The retaining system will be defined with the input of the Geotechnical Report.
 - The foundation (deep or shallow) will be defined with the input of the Geotechnical Report and the retaining system.
 - Minimum track clearance under the bridge: 5.30 m.
 - Minimum clearance between existing walking path and proposed footbridge: 2.50 m
 - Additional protection will be provided when bridge crosses de track:
- 1.40 m height solid railing + 0.40 m height IP2X mesh
- no handrails

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Irish Rail

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3

PROJOD
ROUGHAN & O'DONOVAN

Project

DART+
West

Drawing Title

LEVEL CROSSING DESIGN
PORTERSTOWN PEDESTRIAN CROSSING
CROSS SECTIONS

Drawing Number

MAY MDC ARC LC03 DR A 0003 D

Date: AUGUST 2023

Job No: P/101086

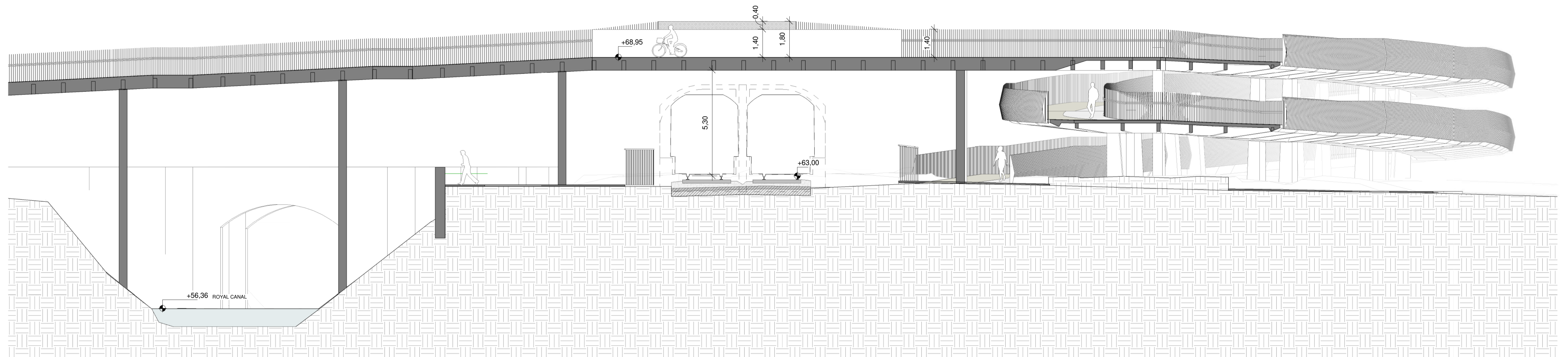
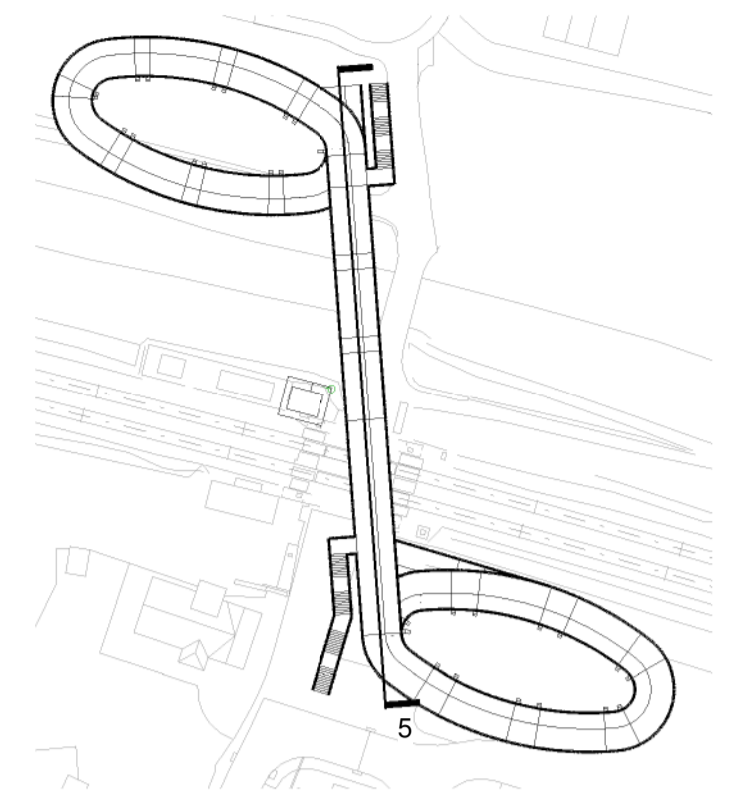
Status: S3 - For Review & Comment

Rev: V01

Sheet: 1 of 1

Scale: 1:100 @ A1

0 0.5 1 2 3 4 5



5 | Longitudinal Section
Scale 1:100

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PROJOD
ROGHAN & O'DONOVAN

Project

DART+
West

Drawing Title

LEVEL CROSSING DESIGN
PORTERSTOWN PEDESTRIAN CROSSING
LONGITUDINAL SECTIONS

Drawing Number

Project	Originator	Discipline	Location	Type	Role	Number	Phase
MAY	MDC	ARC	LC03	DR	A	0004	D

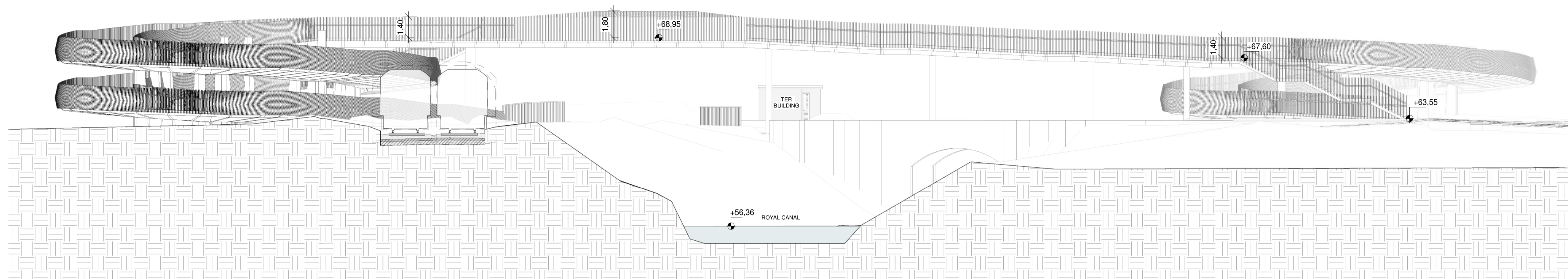
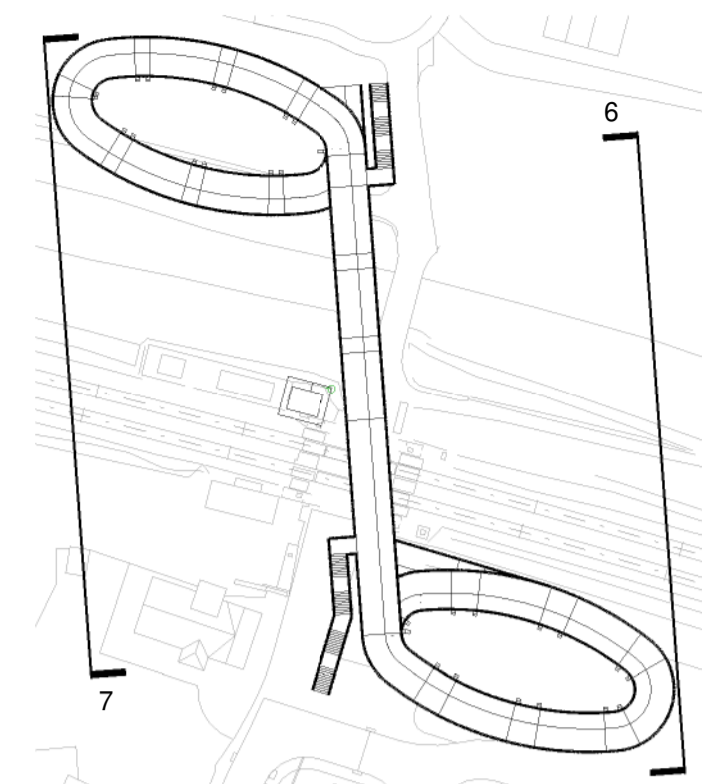
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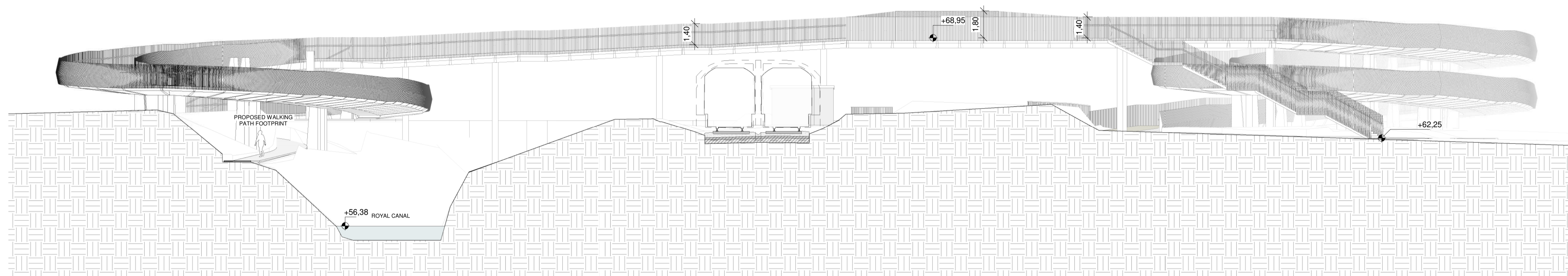
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Sheet: 1 of 1



6 | East Elevation
Scale 1 : 150



7 | West Elevation
Scale 1 : 150

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NTA Údarás Náisiúnta Iompará Náisiúnta Transport Authority

Irish Rail

Consultant

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PROJ ROD ROUGHAN & O'DONOVAN

Project

DART+ West

Drawing Title

LEVEL CROSSING DESIGN
PORTERSTOWN PEDESTRIAN CROSSING
ELEVATION

Drawing Number

MAY MDC ARC LC03 DR A 0005 D

Date: AUGUST 2023

Job No: P/101086

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