

- NOTES:
1. All dimension shown in millimeters unless noted otherwise.
  2. Existing river levels taken at Section "8LEE\_2164.5 Open Channel" from The Lower Lee Flood Relief Scheme Bathymetry Study, Drawing 8Lee /XS/014.
  3. All levels are meters above ordinance datum.
  4. Span lengths are taken along bridge centreline.

00A	13/06/17	KR	RR	MS
Rev	Date	By	Chkd	Appd

ARUP

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www.arup.com

Client  
Cork City Council

Project Title  
Harley Street Pedestrian/Cycle Bridge

Drawing Title  
Structural Foundation Details

Scale at A1  
1 : 75

Role

Suitability  
Planning -

Arup Job No

253690

Name

253690-B-10-021

Rev  
00A

A1

1

2

3

4

5

6

7

8

9

10

11

Do not scale

A

B

C

D

E

F

G

H

I

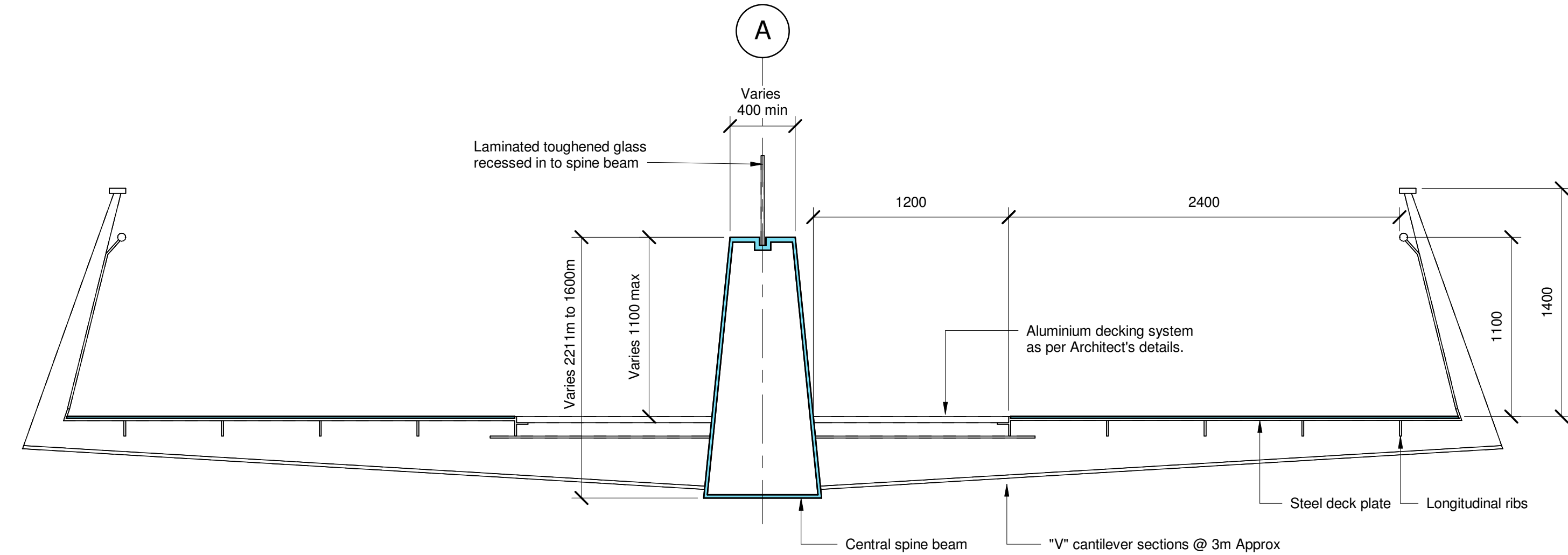
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K

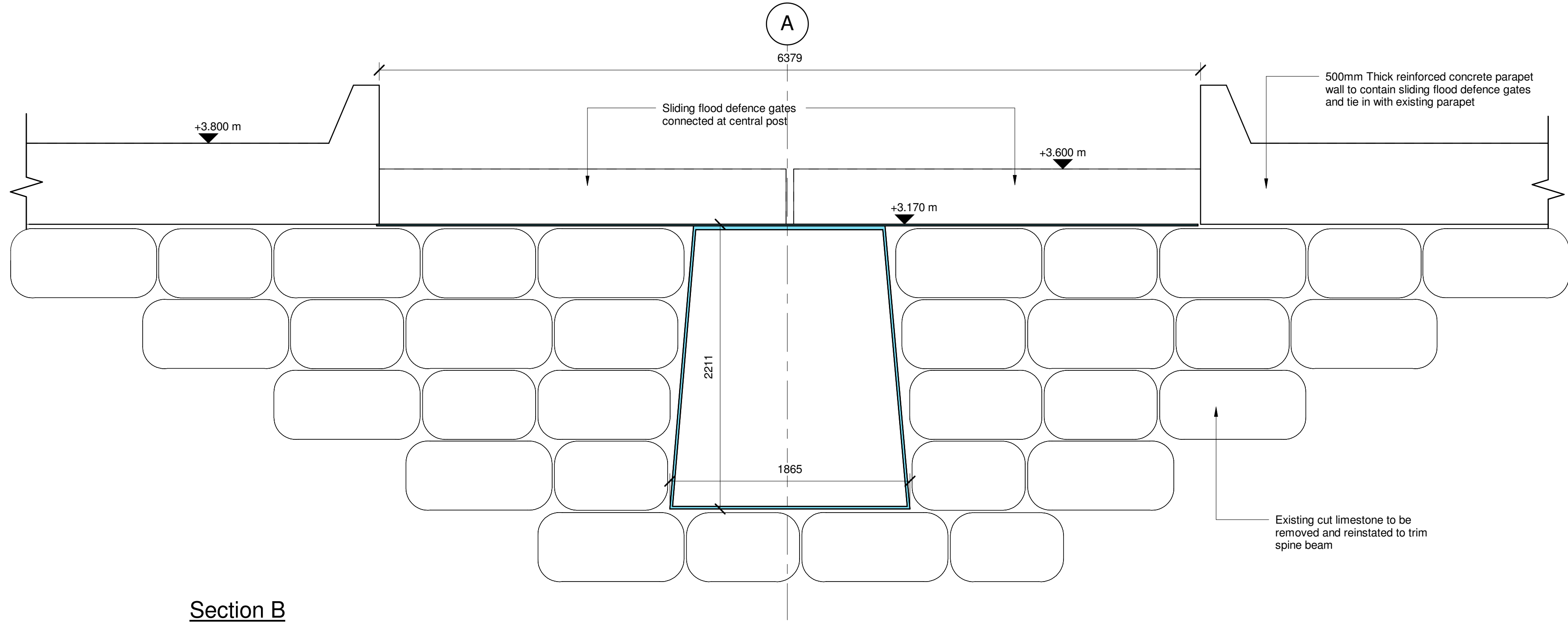
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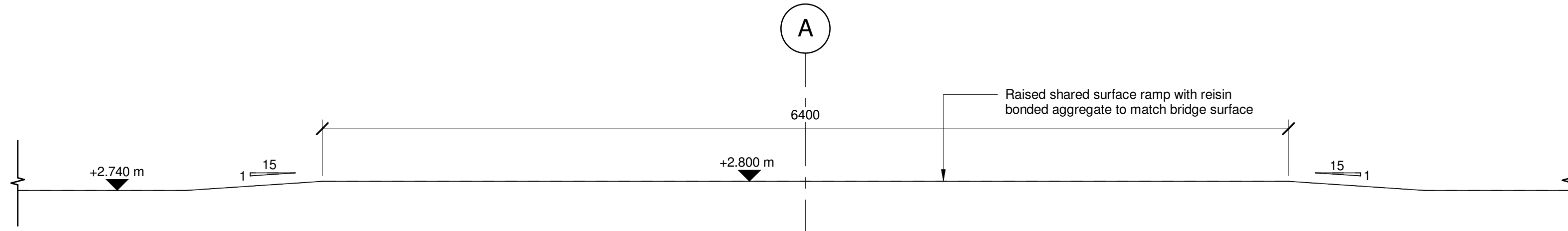
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Section A  
Scale 1 : 25



Section B  
Scale 1 : 25



Section C  
Scale 1 : 25

NOTES:

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Client  
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Project Title  
Harley Street Pedestrian/Cycle  
Bridge

Drawing Title  
Structural Sections and Details

Scale at A1

1 : 25

Role

Suitability Planning -

Arup Job No

253690

Name

253690-B-10-022

Rev

00A

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13/06/2017  
13:55:45



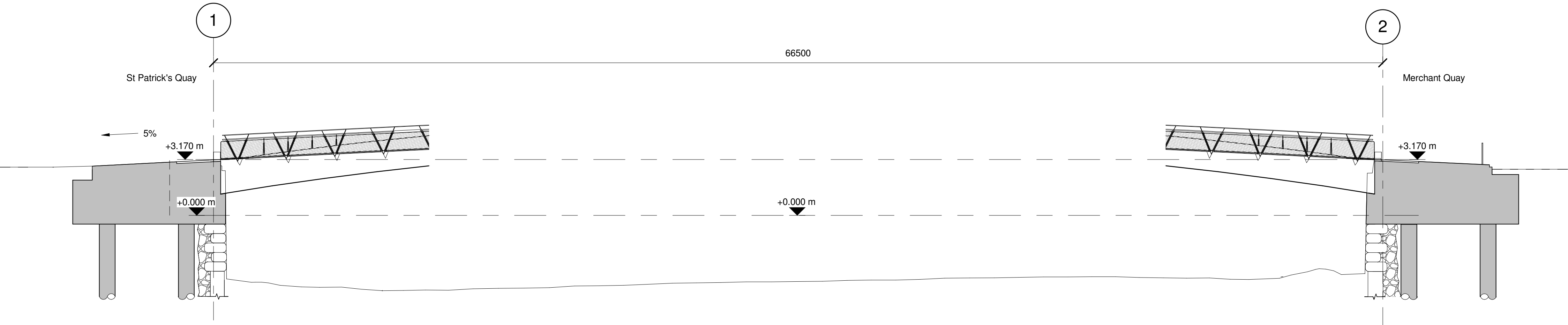


PHASE 1- PILE CONSTRUCTION

Scale 1 : 150

Phase 1 - Pile construction

1. Implement traffic management plan, erect temporary traffic barriers and set up site compound
2. Remove existing pavement and parapets, set up level platform and construct piles to existing ground level
3. Install sheet piling to 4 sides from level platform on quay

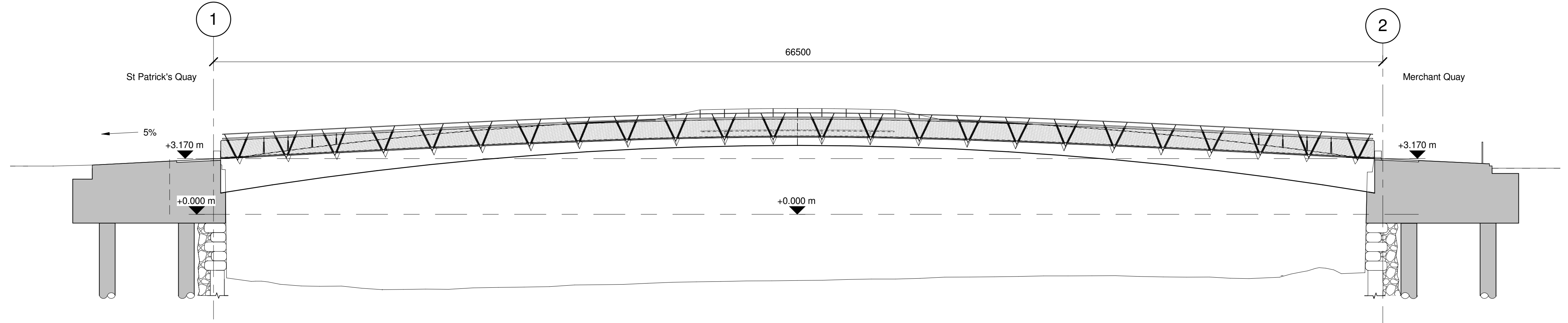


PHASE 2- ABUTMENT CONSTRUCTION

Scale 1 : 150

Phase 2 - Abutment construction

1. Excavate to level of -0.5mAOD (3.3m below existing ground) and break piles down to required cut off level.
2. Form reinforcement and cast pour 1 of abutments to spine beam support level
3. Remove sheet piles to 4 sides
4. Deliver cantilever segments of bridge to Anderson Quay or Lapps Quay and transport to site by modular transporter (SPMT) during night time road closure
5. Lift segments into position using mobile crane on quay side during nighttime possession
6. Place segments and cast remainder of abutment



PHASE 3- CENTRAL SPAN CONSTRUCTION & BRIDGE COMPLETION

Scale 1 : 150

Phase 3 - Central span construction & bridge completion

1. Deliver central segment of bridge to Anderson Quay or Lapps Quay and transport to site by barge or modular transporter (SPMT) during night time closure
2. Lift segment onto floating barge using mobile crane during night time road closure
3. Deliver segment by barge, lift from winches attached to the cantilever segments and hold in place using temporary supports
4. Weld segments together using encapsulated welding enclosure secured to cantilever segments
5. Complete parapet, lighting, surfacing installation.
6. Complete access ramps and resurfacing

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Client  
Cork City Council

Project Title  
Harley Street Pedestrian/Cycle Bridge

Drawing Title  
Construction Sequence

Scale at A1 1 : 150

Role

Suitability Planning -

Arup Job No

253690

Rev

00A

Name

253690-B-10-030