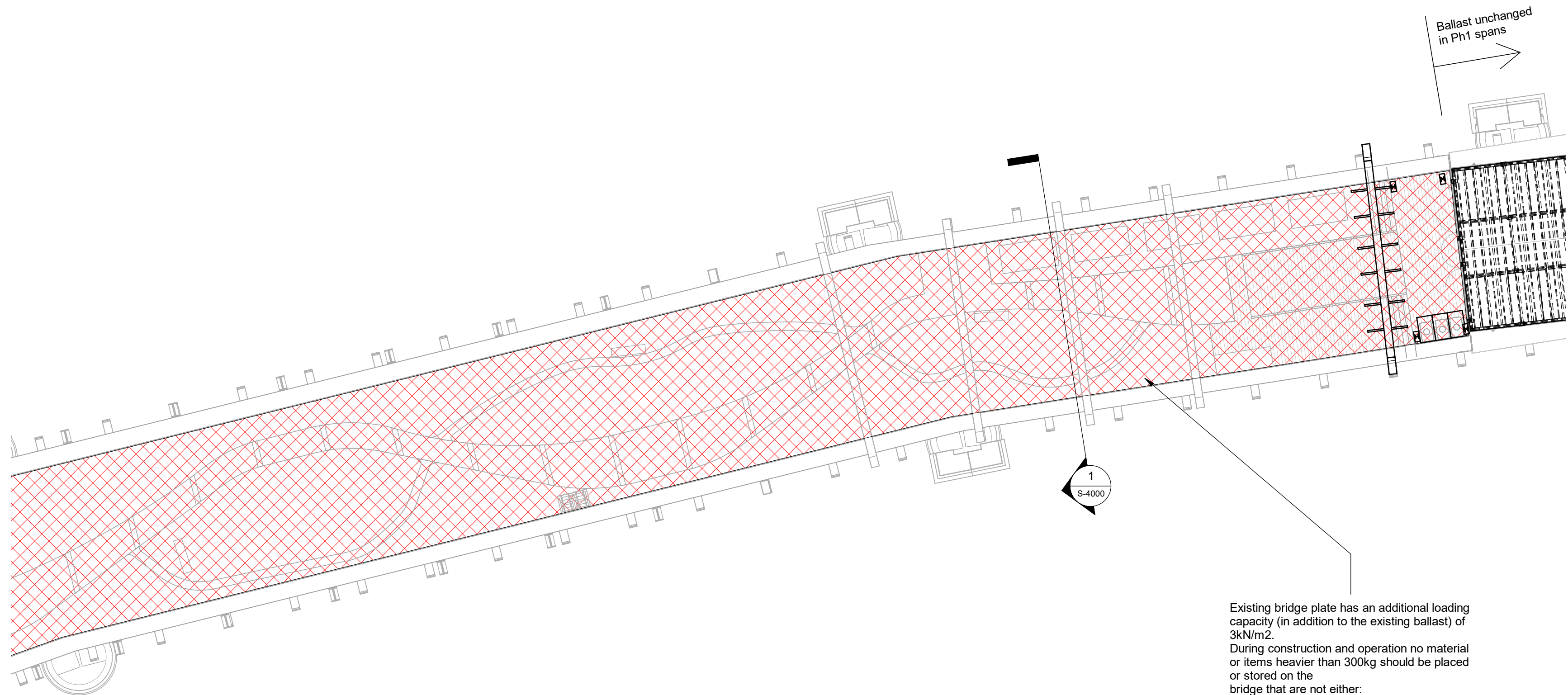


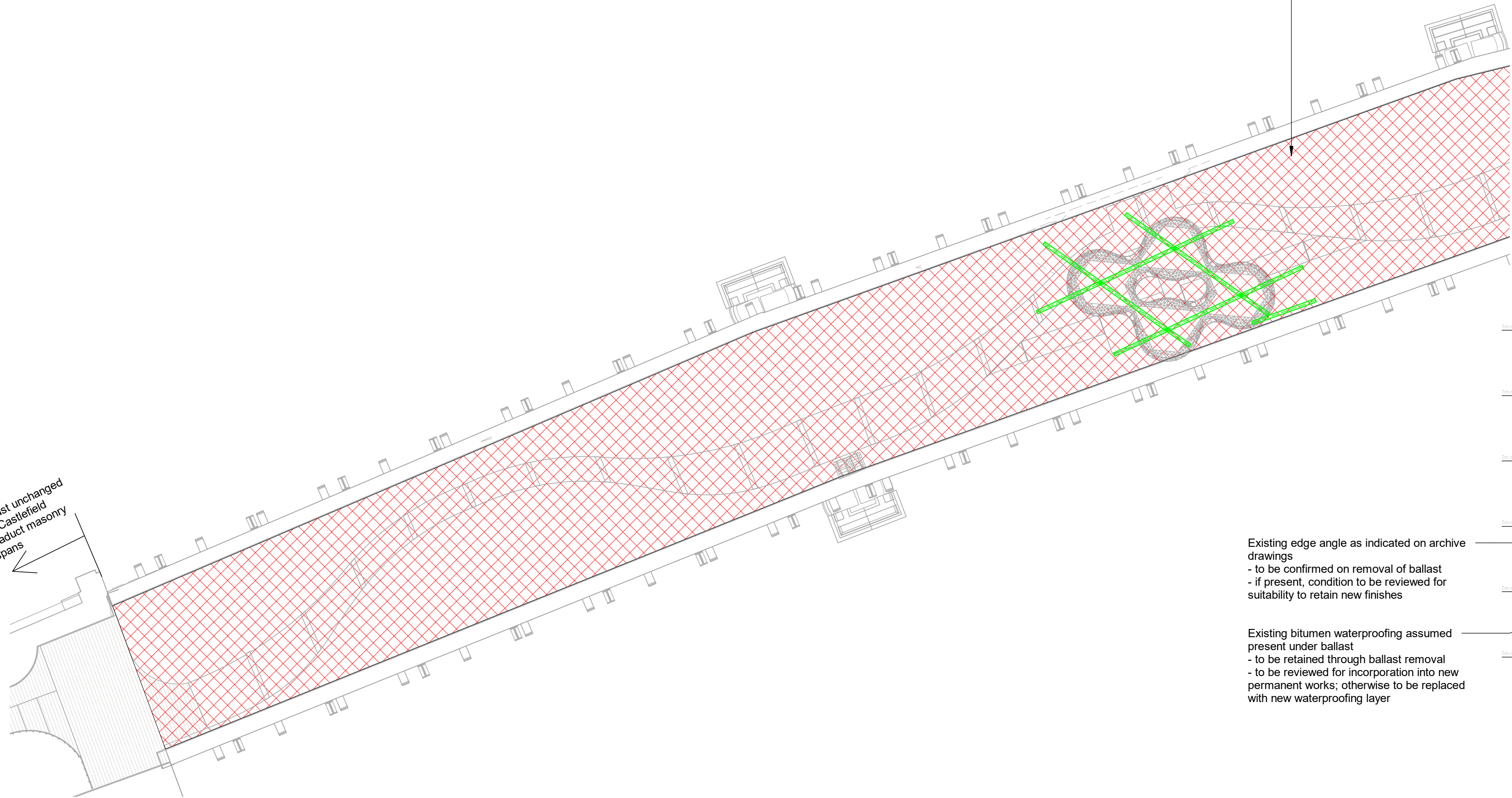


OVERLL PLAN - SPANS 5+6

Scale 1 : 200

Existing bridge plate has an additional loading capacity (in addition to the existing ballast) of 3kN/m2. During construction and operation no material or items heavier than 300kg should be placed or stored on the bridge that are not either:  
- on the temporary timber access mat (see drawing S-3051)  
- on a support structure designed to transfer load to the bridge beams beneath the deck

Ballast unchanged on Castlefield Viaduct masonry spans



OVERALL PLAN - SPANS 7+8

Scale 1 : 200

Existing edge angle as indicated on archive drawings  
- to be confirmed on removal of ballast  
- if present, condition to be reviewed for suitability to retain new finishes

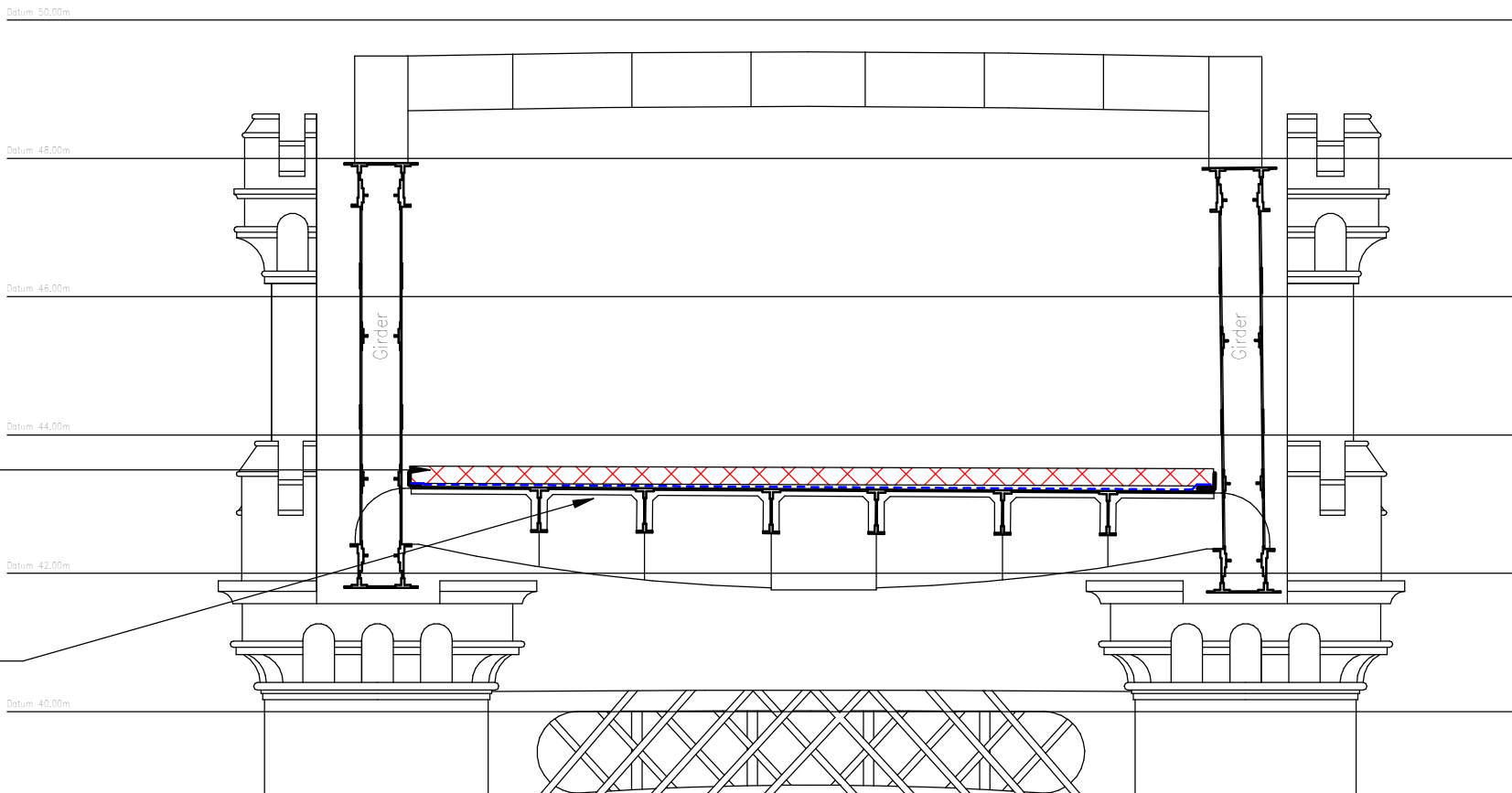
Existing bitumen waterproofing assumed present under ballast  
- to be retained through ballast removal  
- to be reviewed for incorporation into new permanent works; otherwise to be replaced with new waterproofing layer



Typical existing ballast and vegetation to Ph2 steel spans



Exposed deck plate and rivets  
- from Balfour 2020 survey  
- location unknown  
- waterproofing not visible



Ballast Removal Section 1

Scale 1 : 100

Notes:

1. These drawings shall be read in conjunction with all relevant Engineer's and Architect's drawings and with all relevant specifications
2. Existing condition drawn with dimensions from original archive drawings. All existing dimensions to be verified by the Contractor prior to fabrication or construction.
3. Drawing to be read in colour.
4. Do not scale from this drawing
5. For structural nomenclature refer to drawing CVI-ARUP-ZZ-ZZ-DR-S-1055. For structural notation of spans/beams/piers refer to drawing CVI-ARUP-ZZ-ZZ-DR-S-1056

H&S / CDM Risks:

- Specific risks highlighted thus:
- existing paintwork contains lead
  - limited structural capacity of viaduct deck plates
  - existing ballast contaminated with lead and hydrocarbons
  - working at height above water and public areas
- Refer to Arup risk register for further details.

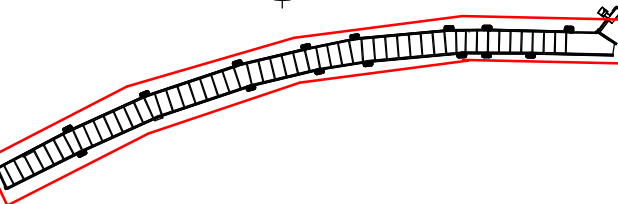
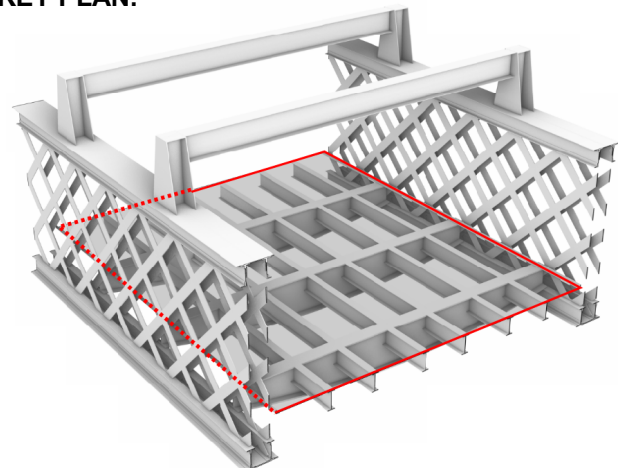
Legend:

- Existing structure
  - unchanged unless noted otherwise
- Proposed remedial
- Indicative extent of defect
  - typical loss of section or thickness due to corrosion
- Indicative packing plates
  - where required
- Extent of ballast removal

LOCATION / NUMBER OF REMEDIALS REQUIRED:

- Locations as shown on this sheet
- Refer to general notes drawing CVI-ARUP-ZZ-XX-DR-S-0001 for background context for proposed remedials

KEY PLAN:



| T1  | 14/08/24 | RR   | GH   | Preliminary Issue |
|-----|----------|------|------|-------------------|
| Rev | Date     | Chkd | Appd | Issue Notes       |

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Client  
The National Trust

Project Title  
Castlefield Viaduct  
Phase 2

Drawing Title  
Remedials  
Ballast Removal

|                          |                      |                    |
|--------------------------|----------------------|--------------------|
| Scale at A1              | As indicated         | Drawn By<br>Author |
| Role                     | Structural           |                    |
| Status                   | S2 - For Information |                    |
| Arup Job No<br>282210    | Rev<br>T1            |                    |
| ID                       |                      |                    |
| CVI-ARUP-ZZ-ZZ-DR-S-4000 |                      |                    |