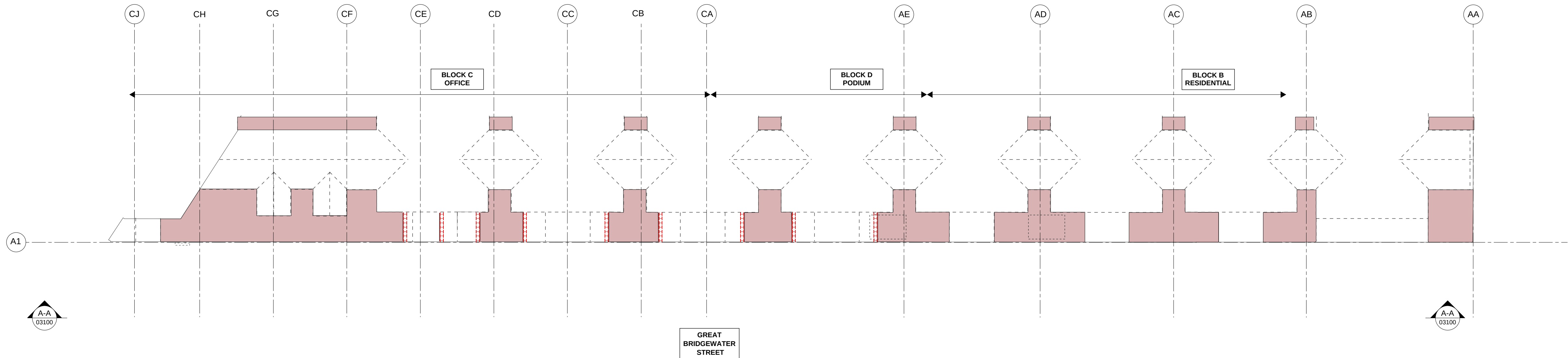
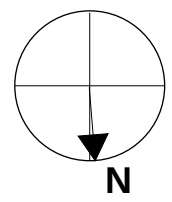
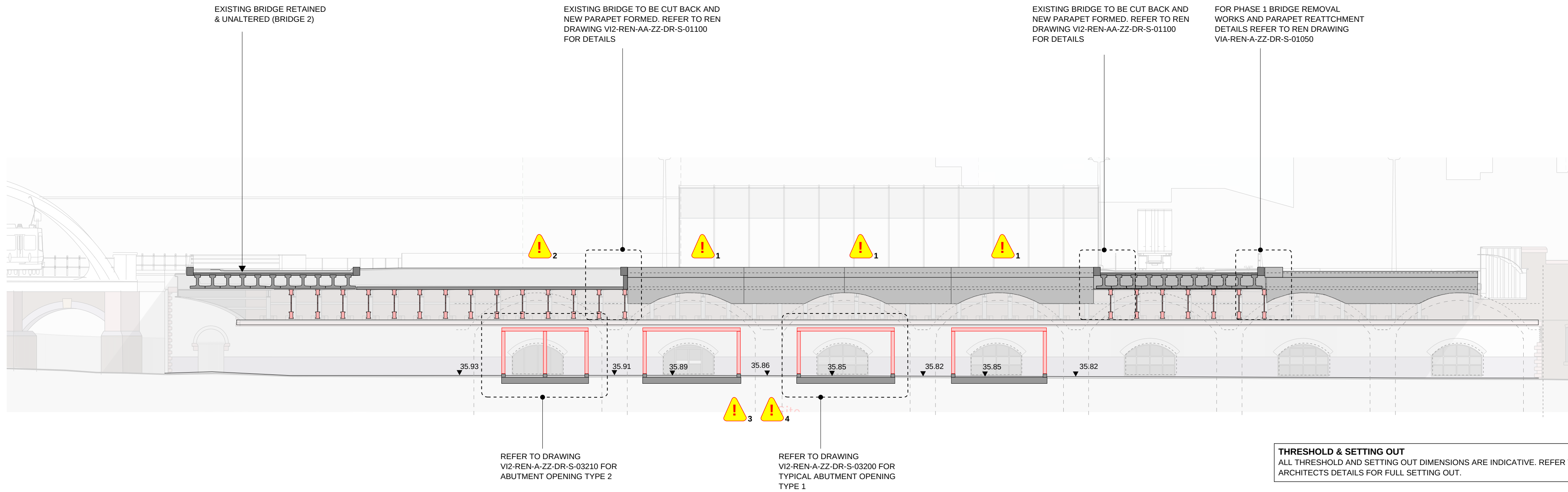




PARTIAL GROUND FLOOR PLAN
1:200



PARTIAL GROUND FLOOR ELEVATION
1:200

HEALTH & SAFETY NOTES:

- BRIDGE REMOVAL IS TO BE COMPLETE PRIOR TO FORMING OF NEW OPENINGS WITHIN EXISTING BRIDGE ABUTMENT. SIGNIFICANT TEMPORARY WORKS AND PHASING REQUIRED TO SAFELY FORM NEW OPENINGS AND IS TO BE DEVELOPED BY THE CONTRACTOR AND THEIR TEMPORARY WORKS ENGINEER
- ABUTMENT OPENING BELOW EXISTING BRIDGE WILL REQUIRE SIGNIFICANT TEMPORARY WORKS AND PHASING TO SAFELY FORM NEW OPENINGS AND IS TO BE DEVELOPED BY THE CONTRACTOR AND THEIR TEMPORARY WORKS ENGINEER
- VIBRATION AND MOVEMENT MONITORING IS REQUIRED DURING THE WORKS WITHIN THE ARCHES
- EXISTING SHALLOW SERVICES WITHIN THE PAVEMENT. CONTRACTOR AND THEIR TEMPORARY WORKS ENGINEER TO CONFIRM LOCATION ON SITE AND DESIGN WORKS TO MINIMISE THE RISK OF DAMAGE. DUE TO THE HIGH PROPPING LOADS IT MAY BE NECESSARY TO SPLIT DUCT AND CAST SERVICES WITHIN A SPREADER SLAB.

GENERAL NOTES:

- REFER TO DRAWING V12-REN-00-XX-DR-S-00010 FOR GENERAL NOTES.
- ALL STEELWORK TO BE FABRICATED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL STRUCTURAL STEELWORK SPECIFICATION AND RENAISSANCE PROJECT STEELWORK SPECIFICATION.
- ALL STEELWORK TO BE S355 J2 U.N.O. FINAL SUBGRADE IS TO BE CONFIRMED DURING TECHNICAL DESIGN WITH INPUT FROM THE STEELWORK FABRICATOR ONCE THE CONNECTION DETAILS ARE KNOWN.
- CONCRETE TO FOUNDATIONS AND ENCASEMENT TO STEELWORK TO BE RC35/45.
- WHERE FEASIBLE EXISTING GOOD QUALITY MASONRY UNITS ARE TO BE SALVAGED AND CLEANED FOR REUSE WITHIN THE WORKS. THE GLAZED BRICKS TO GREAT BRIDGEWATER STREET ARE TO ALSO BE SALVAGED AND REUSED FOR REINSTATEMENT OF BRICKWORK AROUND THE NEW OPENINGS.
- WHERE NEW BRICKS ARE REQUIRED THAT ARE NOT EXPOSED IN THE FINISHED WORKS THESE ARE TO BE SOLID CLASS B CLAY ENGINEERING BRICKS. ALL EXPOSED MASONRY TO BE SUITABLY SOURCED TO MATCH EXISTING.
- NO CEMENT BASED MORTAR IS PERMITTED FOR USE WITHIN REINSTATEMENT WORKS OF MASONRY. ALLOW FOR NEW AND REPAIR WORKS UNDERTAKEN TO BE WITH A LIME MORTAR.
HLM 3.5 - GENERAL MASONRY WORKS 150mm ABOVE GROUND LEVEL
HLM 5.0 - WORKS BELOW GROUND
FINAL MORTAR SPECIFICATION TO BE IN ACCORDANCE WITH THE HERITAGE ARCHITECTS SPECIFICATION AND SUBJECT TO AGREEMENT WITH THE ENGINEER.
- PACKING WORKS BETWEEN STEELWORK AND EXISTING MASONRY TO BE UNDERTAKEN WITH NON-SHRINK PROPRIETARY GROUT INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.

STEELWORK PROTECTION SYSTEM

ALL STEELWORK TO RECEIVE THE FOLLOWING CORROSION PROTECTION SYSTEM:

- MINIMUM 85 µm HOT-DIP GALVANISING TO BS EN ISO 1461.
- IN ADDITION ALL NON-VISIBLE STEELWORK AND STEELWORK IN CONTACT WITH GROUT AND THE EXISTING MASONRY ARCHES IS TO BE PROTECTED WITH:
 - TWO COATS HEAVY DUTY BITUMENT, 200 µm TOTAL

ALL BOLTED CONNECTIONS TO BE HOT-DIP GALVANISED.
FINAL DESIGN AND TECHNICAL REQUIREMENTS TO BE DEVELOPED DURING RIBA STAGE 4.
COMPATIBILITY OF PAINT PROTECTION SYSTEMS TO GALVANISED STEELWORK TO BE CONFIRMED OR ALTERNATIVE PROPOSED BY STEEL FABRICATORS PAINT SUPPLIER.
ALL NON-ACCESSIBLE STEELWORK IS TO HAVE A MINIMUM CORROSION PROTECTION LIFE OF 60 YEARS WITH NO MAINTENANCE.

DETAILS - SURVEYS

ALL DETAILS ARE INDICATIVE ONLY TO ALLOW FOR STAGE 3 COSTING. THE DETAILS ARE DEPENDANT ON THE FINDINGS FROM THE SURVEY WORKS. THE DETAIL WILL THEREFORE BE CONFIRMED DURING RIBA STAGE 4.

FAÇADE WORKS TO GRADE II LISTED BUILDING

FOR CLEANING, LOCALISED REPAIR AND REPOINTING WORKS TO THE GRADE II LISTED VIADUCT STRUCTURE REFER TO ARCHITECTS AND HERITAGE ARCHITECTS DRAWINGS, DETAILS AND SPECIFICATION.

RIBA STAGE 3

ALL STRUCTURAL SIZES ARE INDICATIVE TO ALLOW FOR SPATIAL CO-ORDINATION (RIBA STAGE 3) AND OUTLINE COSTING BY THE PROJECT QUANTITY SURVEYOR AND CONTRACTOR. ALL STRUCTURAL SIZES AND REINFORCEMENT RATES ARE INDICATIVE AT THIS STAGE AND ARE SUBJECT TO CONFIRMATION AND ALTERATION AS THE STAGE 4 (TECHNICAL DESIGN) IS COMPLETED.

A DESIGN CONTINGENCY OF 10-15% IS RECOMMENDED TO ALLOW FOR DESIGN DEVELOPMENT DURING RIBA STAGE 4 (TECHNICAL DESIGN) AND INPUT CONTRACTOR DESIGNED PACKAGES.

P01	STAGE 3	03.11.21	GR	KG
Rev:	Description:	Date:	By:	Chkd:



VIADUX PHASE II, MANCHESTER

ABUTMENT OPENING PLAN & ELEVATION

Status:

RIBA STAGE 3

Size:	Date:	Drawn by:	Designed by:	Checked by:
A1	03.11.21	GR	GR	KG

Scale:	1:200	Project No:	2102-09
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Project:	Originator:	Volume:	Level:	Type:	Rate:	Category/Number:	Rev:
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V12-REN-AA-ZZ-DR-S-03100-P01