

A1 Birtley to Coal House

Scheme Number: TR010031

2.7 Structures Engineering Drawings and Sections

APFP Regulation 5(2)(o) Planning Act 2008 Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

> Volume 2 February 2020



Infrastructure Planning

Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure - APFP) Regulations 2009

The A1 Birtley to Coal House Development Consent Order 20[xx]

STRUCTURES ENGINEERING DRAWINGS AND SECTIONS

Regulation Reference:	APFP Regulation 5(2)(o)
Planning Inspectorate Scheme Reference	TR010031
Application Document Reference	TR010031/APP/2.7
Author:	A1 Birtley to Coal House Project Team, Highways England

Version	Date	Status of Version
Rev 1	25/02/2020	Examination Deadline 2 update



CONTENTS

2	SCHEDULE OF PLANS INCLUDED IN THIS APPLICATION DOCUMENT	5
1.1	Purpose of this Document	4
1	INTRODUCTION	4



1 INTRODUCTION

1.1 Purpose of this Document

- 1.1.1 These Structures Engineering Drawings and Sections (the "Drawings") relates to an application made by Highways England (the "Applicant") to the Planning Inspectorate (the "Inspectorate") under the Planning Act 2008 (the "2008 Act") for a Development Consent Order (DCO). If made, the DCO would grant consent for the Applicant to undertake the A1 Birtley to Coal House (the "Scheme"). A detailed description of the Scheme can be found in **Chapter 2** of the Environmental Statement (ES) **(Application Document Reference: TR010031/APP/6.1).**
- 1.1.2 These Drawings comprises part of the suite of Application documentation and are included in the Application in compliance with Regulation 5(2)(o), of the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009, which requires:

"5(2)(o) any other plans, drawings and sections necessary to describe the proposals for which development consent is sought, showing details of design, external appearance, and the preferred layout of buildings or structures, drainage, surface water management, means of vehicular and pedestrian access, any car parking to be provided, and means of landscaping."

1.1.3 These Drawings are also being submitted under Regulation 5(4) of the 2009 Regulations which states:

"Where a plan comprises three or more separate sheets a key plan must be provided showing the relationship between the different sheets."

1.1.4 As these Drawings are part of the Application documentation, they should be read alongside and are informed by the other Application documents. In particular, the Drawings should be read alongside Schedule 1 of the draft Development Consent Order (Application Document Reference: TR010031/APP/3.1), the Engineering Section Drawings (Application Document Reference: TR010031/APP/2.5) and the General Arrangement Plan (Application Document Reference: TR010031/APP/2.6).

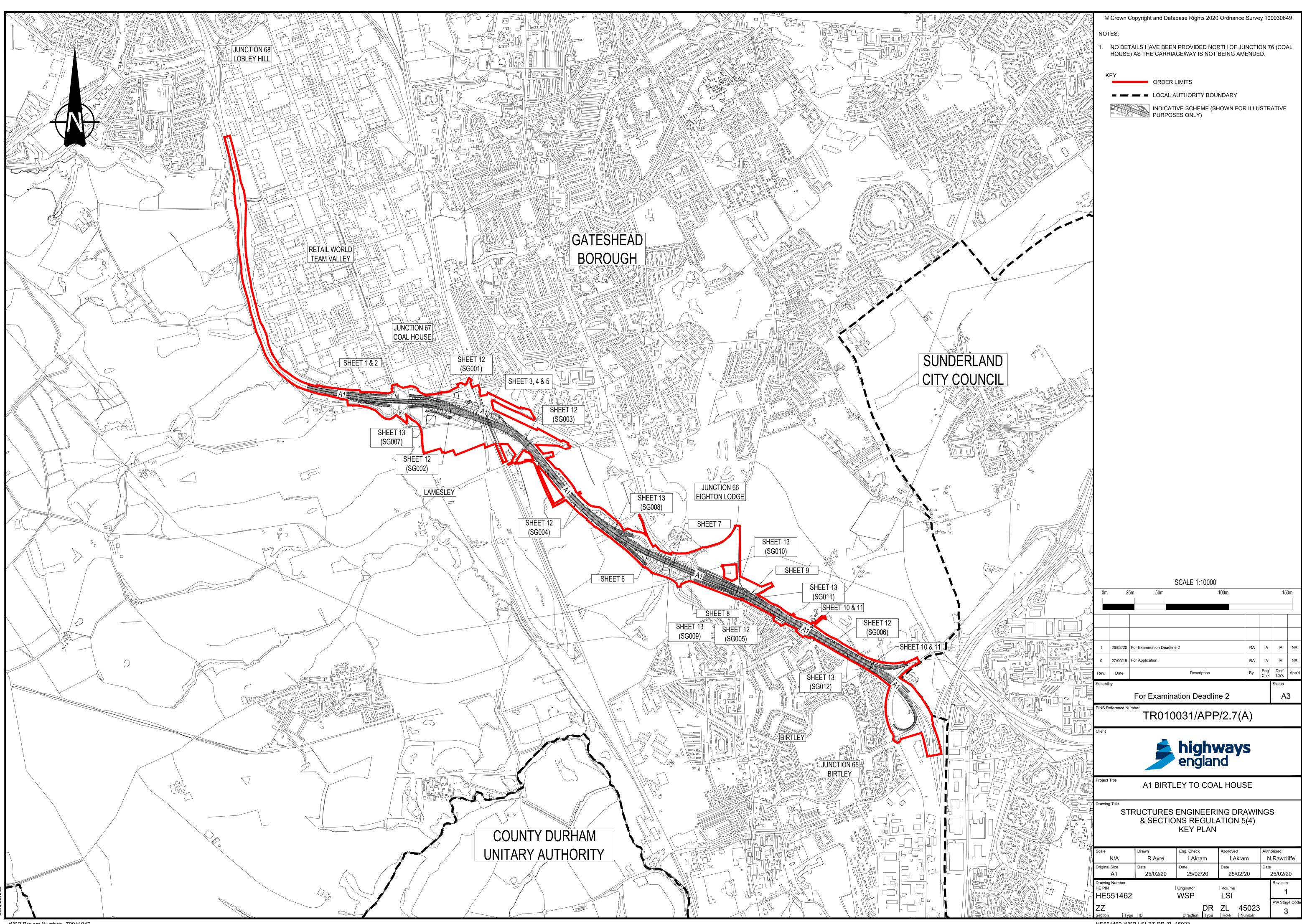


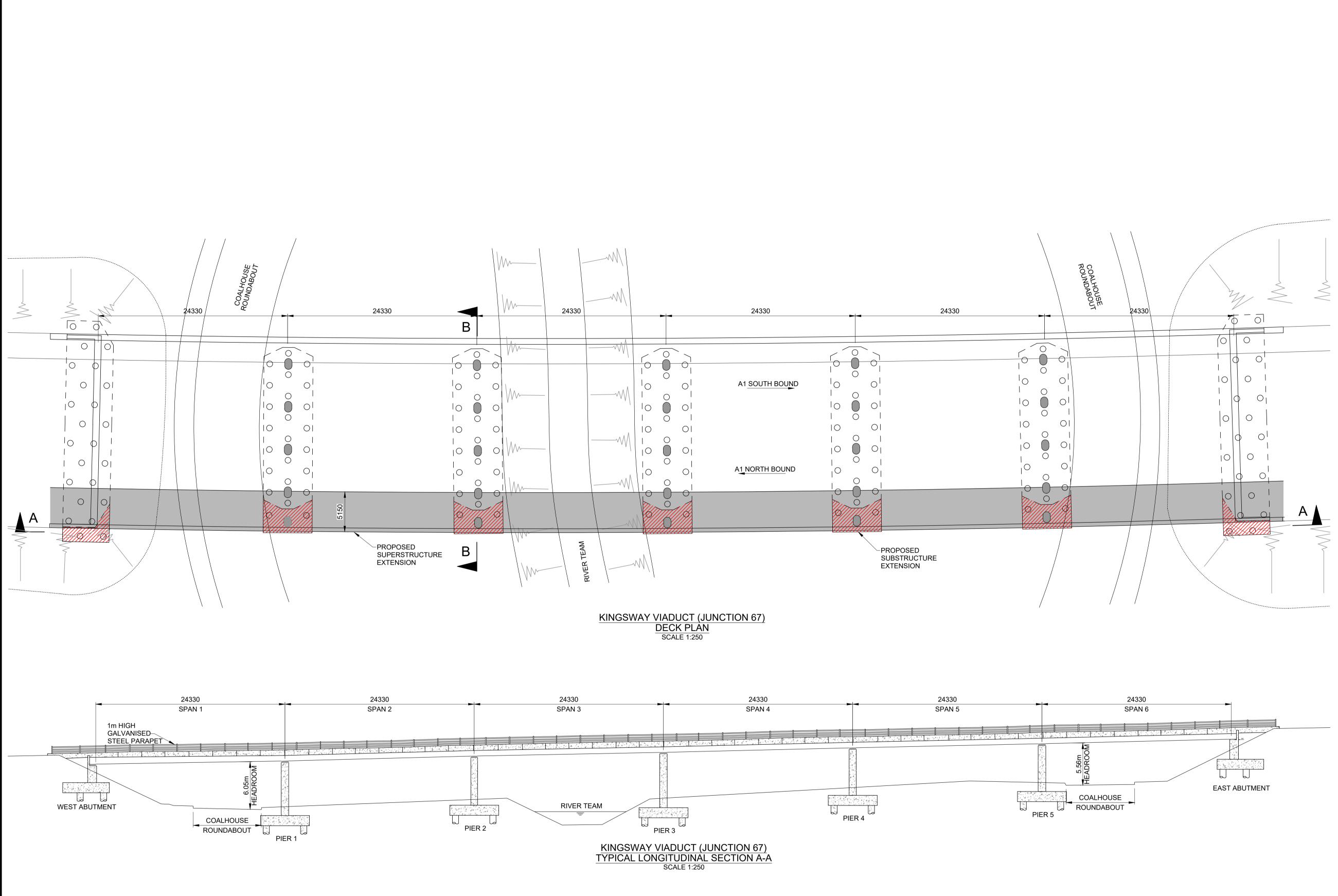
2 SCHEDULE OF PLANS INCLUDED IN THIS APPLICATION DOCUMENT

Document Title	Document Number	Revision
Structures Engineering Drawings and Sections – Regulation 5(2)(o) & 5(4) - Key Plan	TR010031/APP/2.7(A)	Rev 1
Structures Engineering Drawings and Sections - Regulation 5(2)(o) Kingsway Viaduct (Junction 67) - Sheet 1 of 13	TR010031/APP/2.7(B)	Rev 1
Structures Engineering Drawings and Sections - Regulation 5(2)(o) Kingsway Viaduct (Junction 67) - Sheet 2 of 13	TR010031/APP/2.7(C)	Rev 1
Structures Engineering Drawings and Sections - Regulation 5(2)(o) Allerdene Bridge (Embankment Option) - Sheet 3 of 13	TR010031/APP/2.7(D)	Rev 1
Structures Engineering Drawings and Sections - Regulation 5(2)(o) Allerdene Bridge (6 Span Viaduct Option) - Sheet 4 of 13	TR010031/APP/2.7(E)	Rev 1
Structures Engineering Drawings and Sections - Regulation 5(2)(o) Allerdene Bridge (7 Span Viaduct Option) - Sheet 5 of 13	TR010031/APP/2.7(F)	Rev 1
Structures Engineering Drawings and Sections - Regulation 5(2)(o) Eighton Lodge Slip Road Underbridge - Sheet 6 of 13	TR010031/APP/2.7(G)	Rev 1
Structures Engineering Drawings and Sections - Regulation 5(2)(o) Eighton Lodge North Underbridge - Sheet 7 of 13	TR010031/APP/2.7(H)	Rev 1
Structures Engineering Drawings and Sections - Regulation 5(2)(o) Eighton Lodge South Underbridge -	TR010031/APP/2.7(I)	Rev 1



Sheet 8 of 13		
Structures Engineering Drawings and Sections - Regulation 5(2)(o) Longbank Underpass - Sheet 9 of 13	TR010031/APP/2.7(J)	Rev 1
Structures Engineering Drawings and Sections - Regulation 5(2)(o) North Dene Footbridge - Sheet 10 of 13	TR010031/APP/2.7(K)	Rev 1
Structures Engineering Drawings and Sections - Regulation 5(2)(o) North Dene Footbridge - Sheet 11 of 13	TR010031/APP/2.7(L)	Rev 1
Structures Engineering Drawings and Sections - Regulation 5(2)(o) Typical ADS Gantry – Truss Cantilever Type - Sheet 12 of 13	TR010031/APP/2.7(M)	Rev 1
Structures Engineering Drawings and Sections - Regulation 5(2)(o) Typical ADS Gantry Portal Type - Sheet 13 of 13	TR010031/APP/2.7(N)	Rev 1



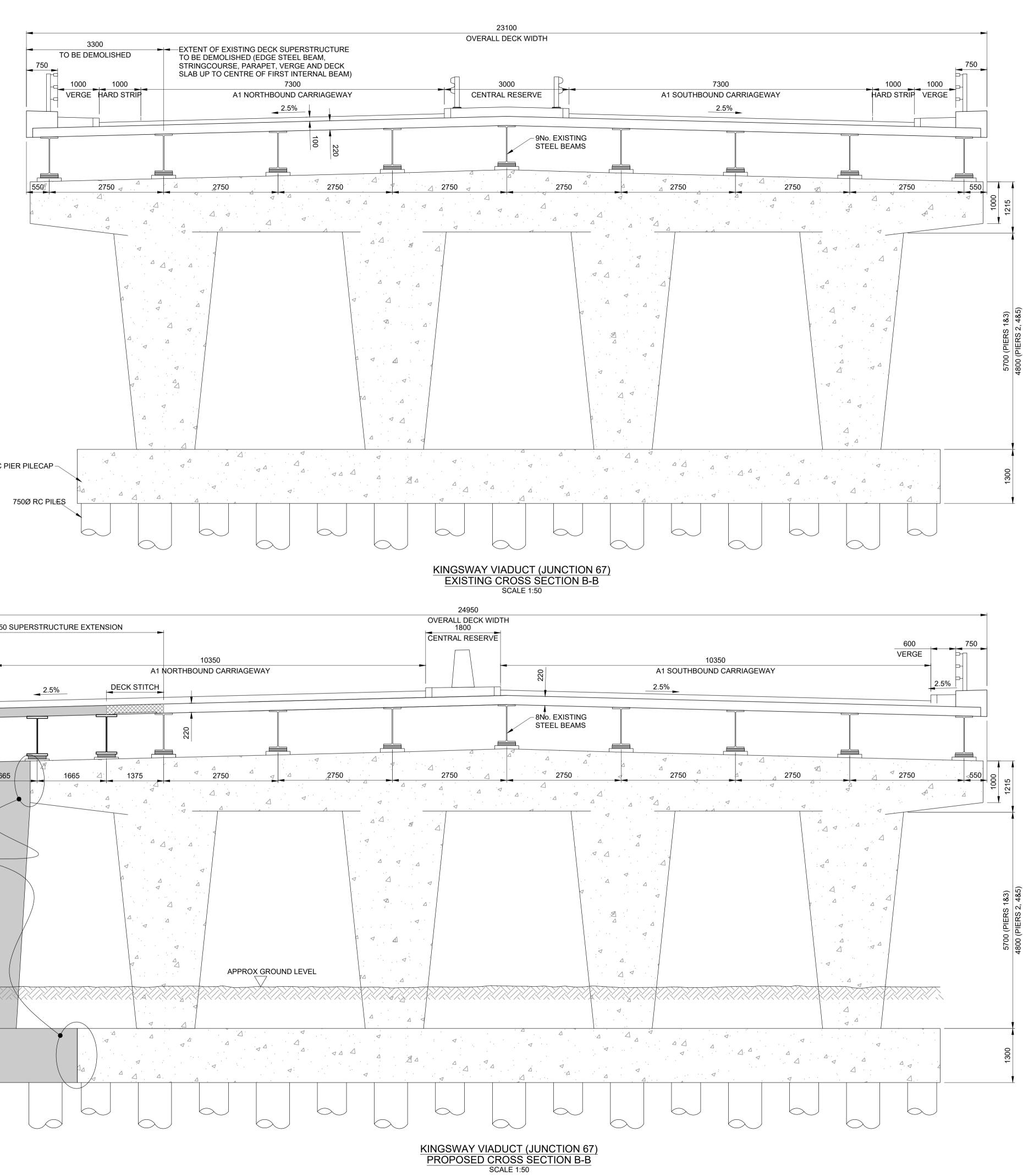


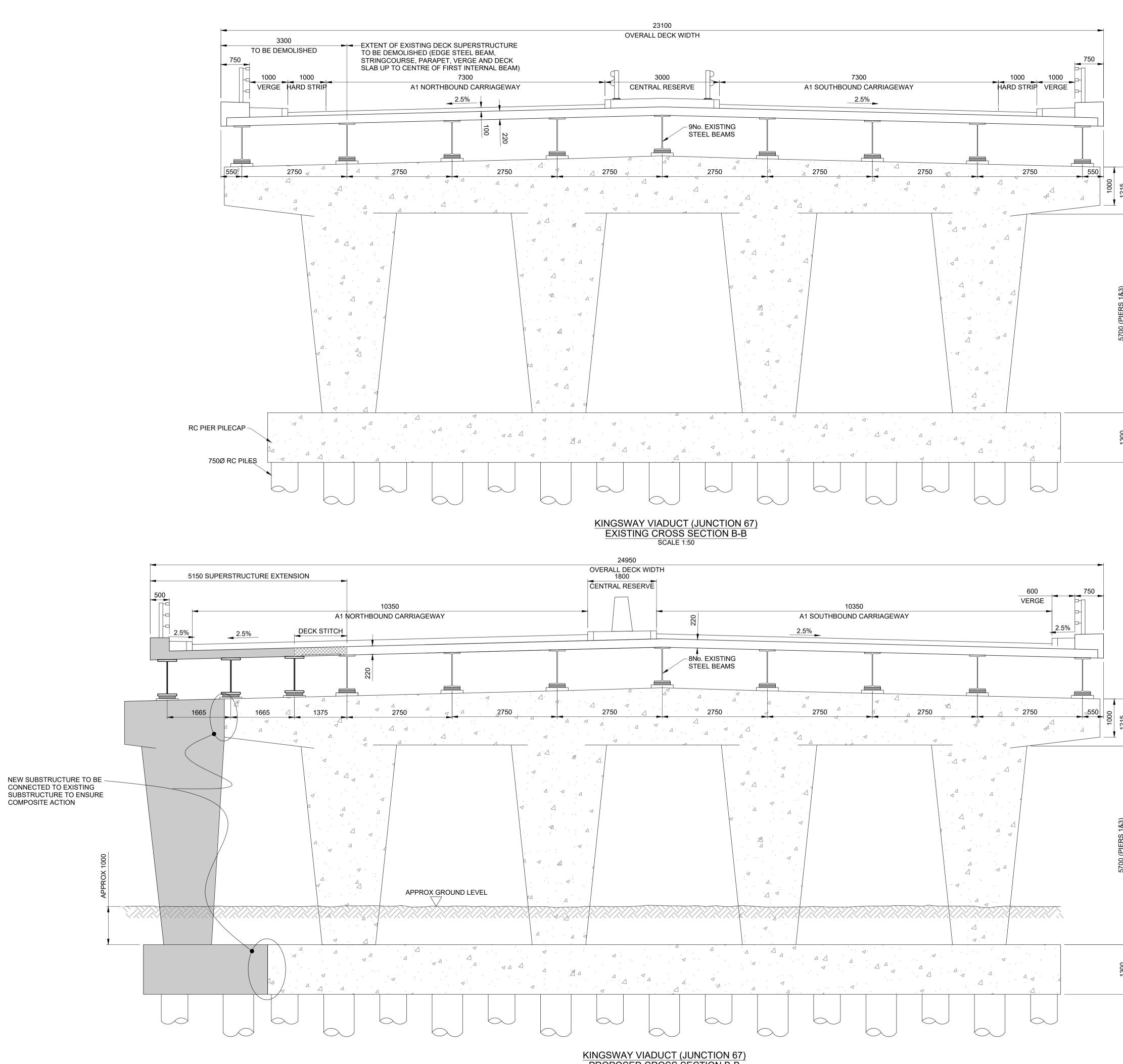
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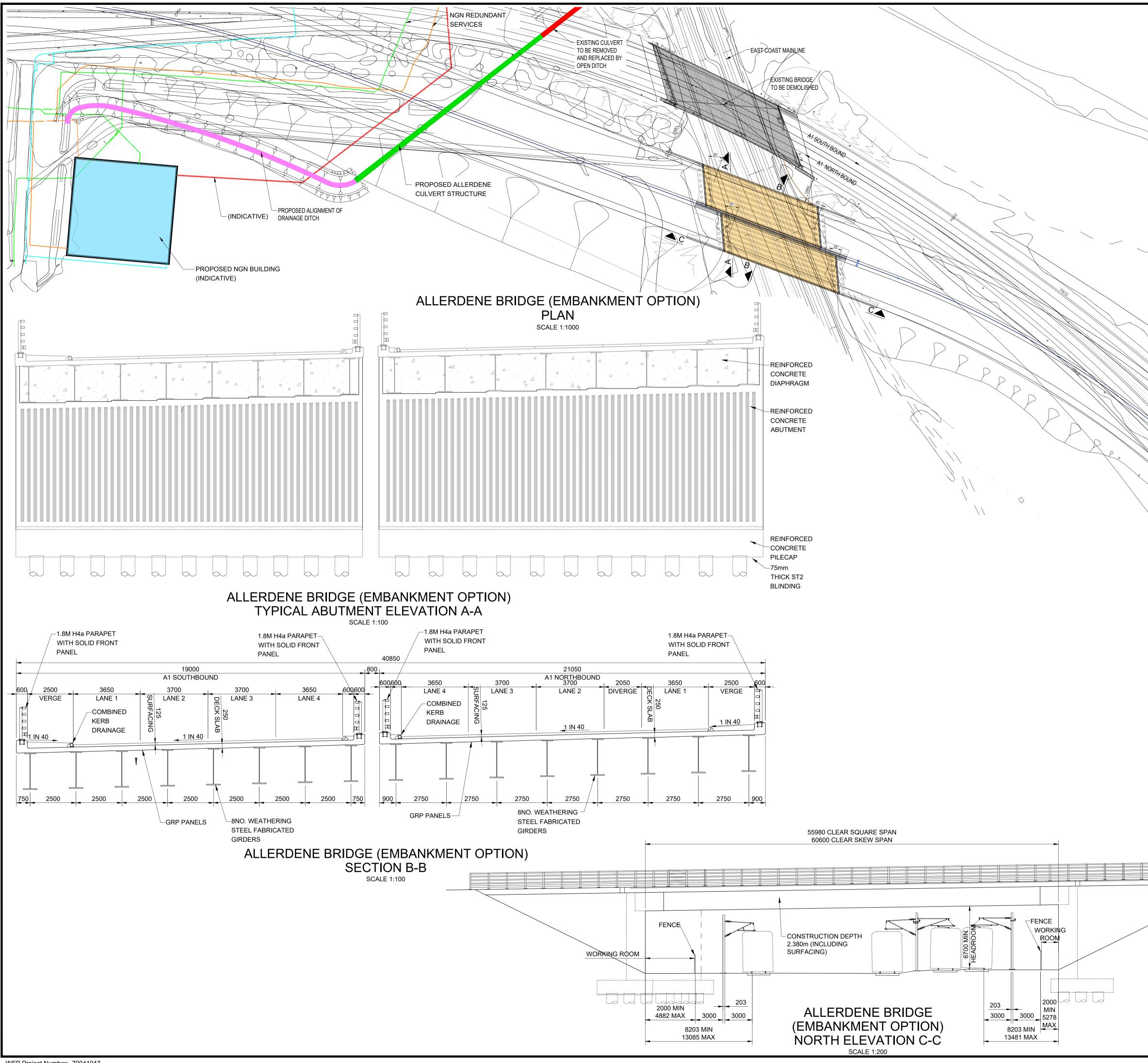


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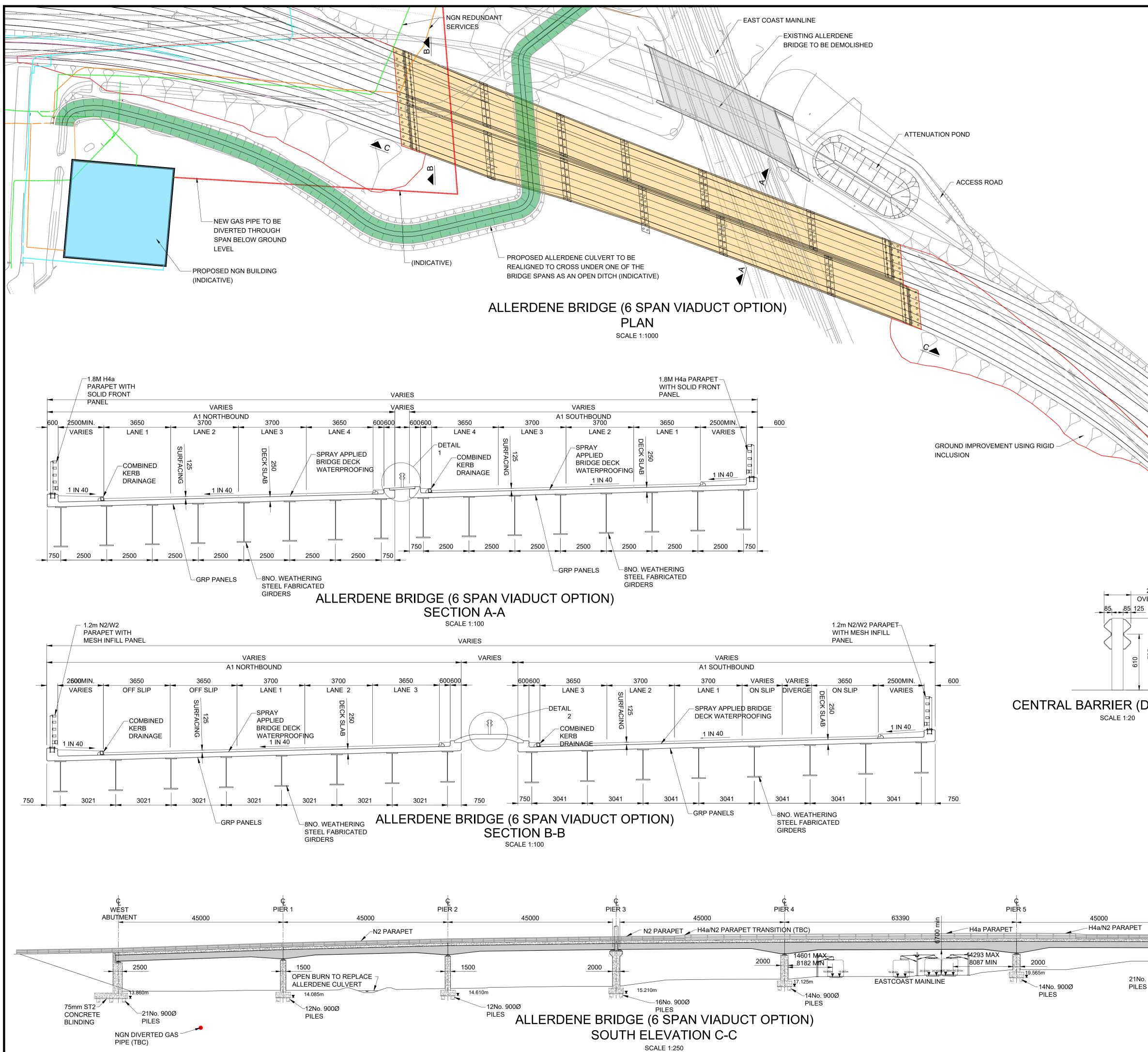
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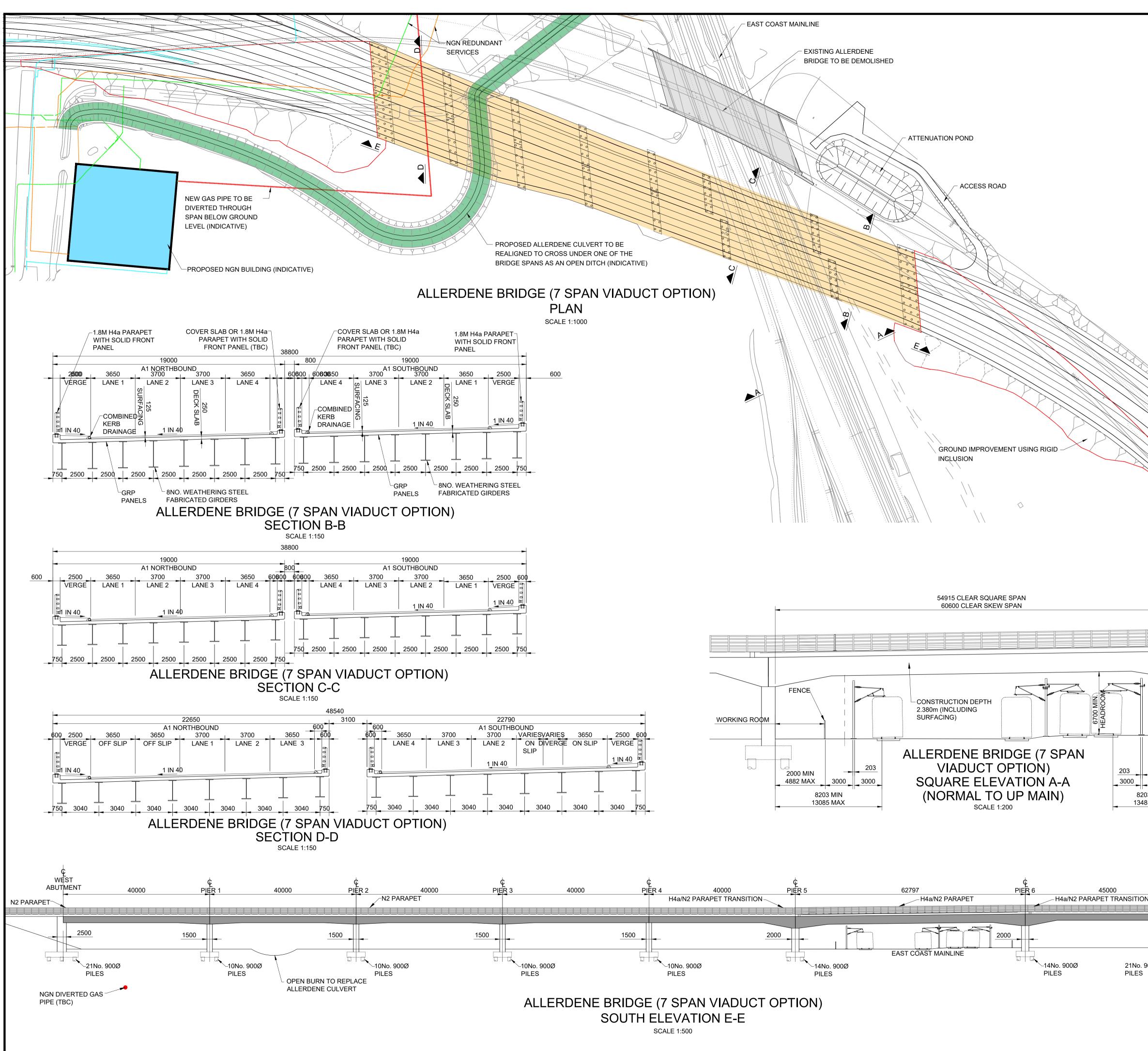
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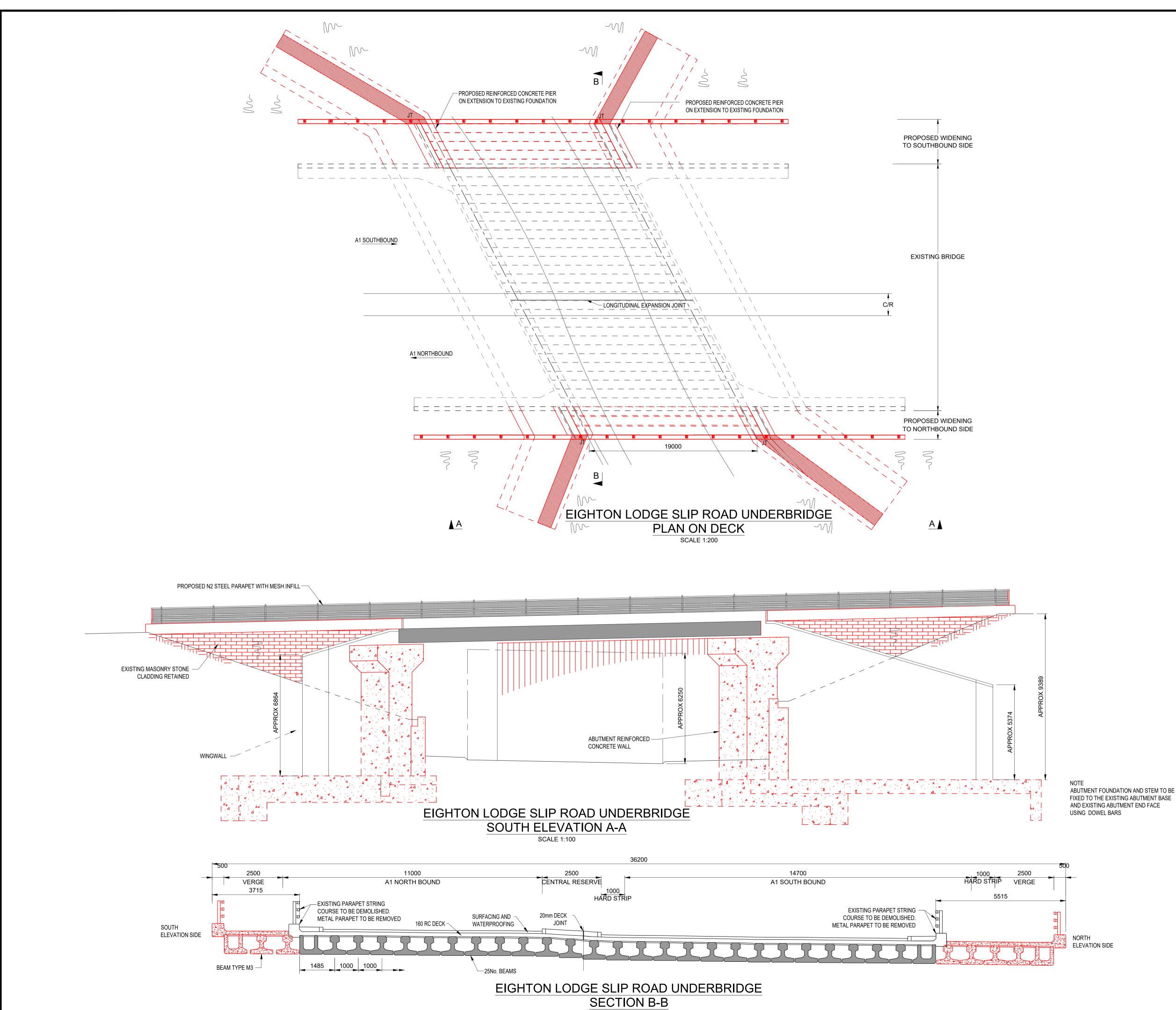
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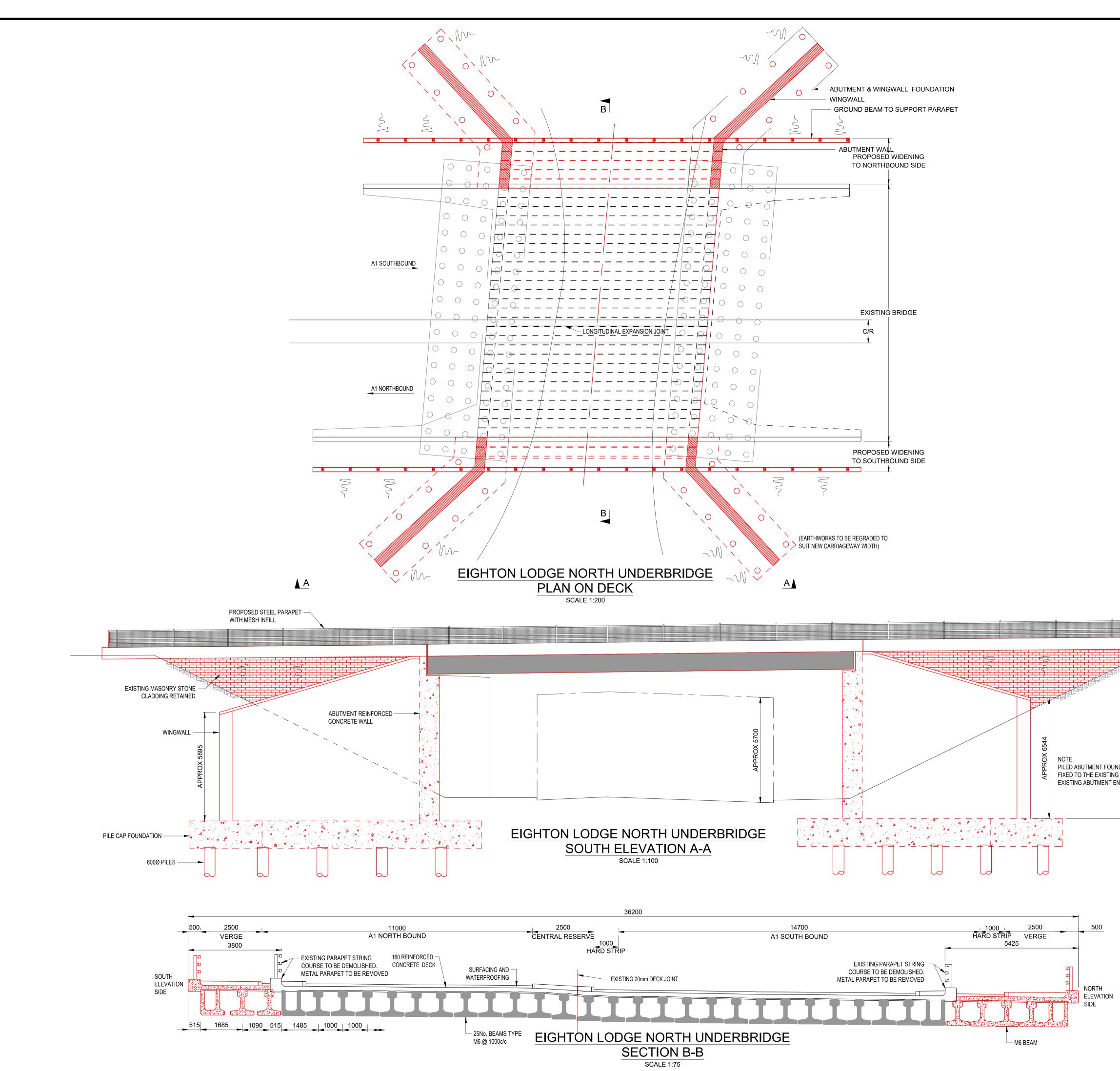
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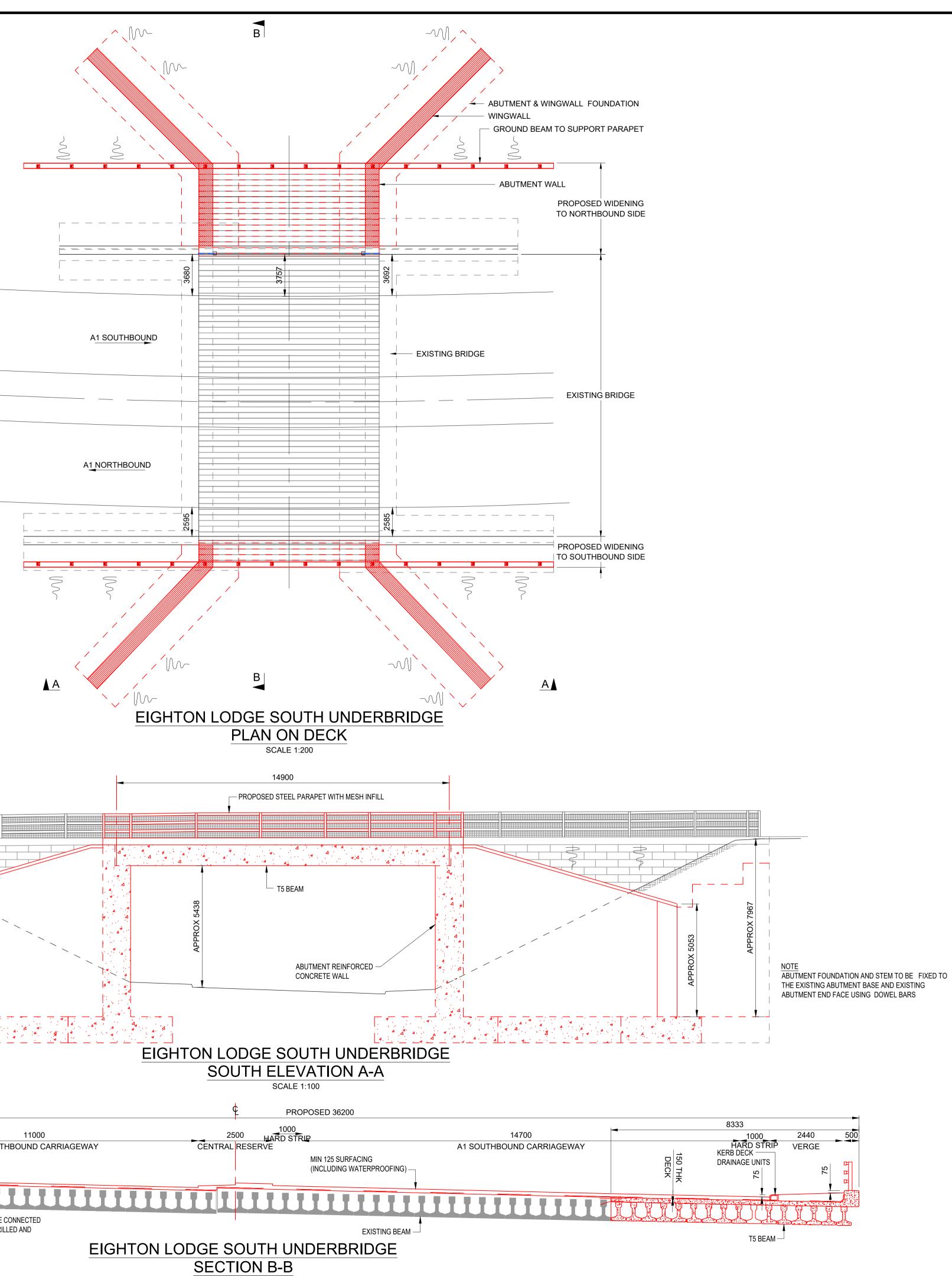
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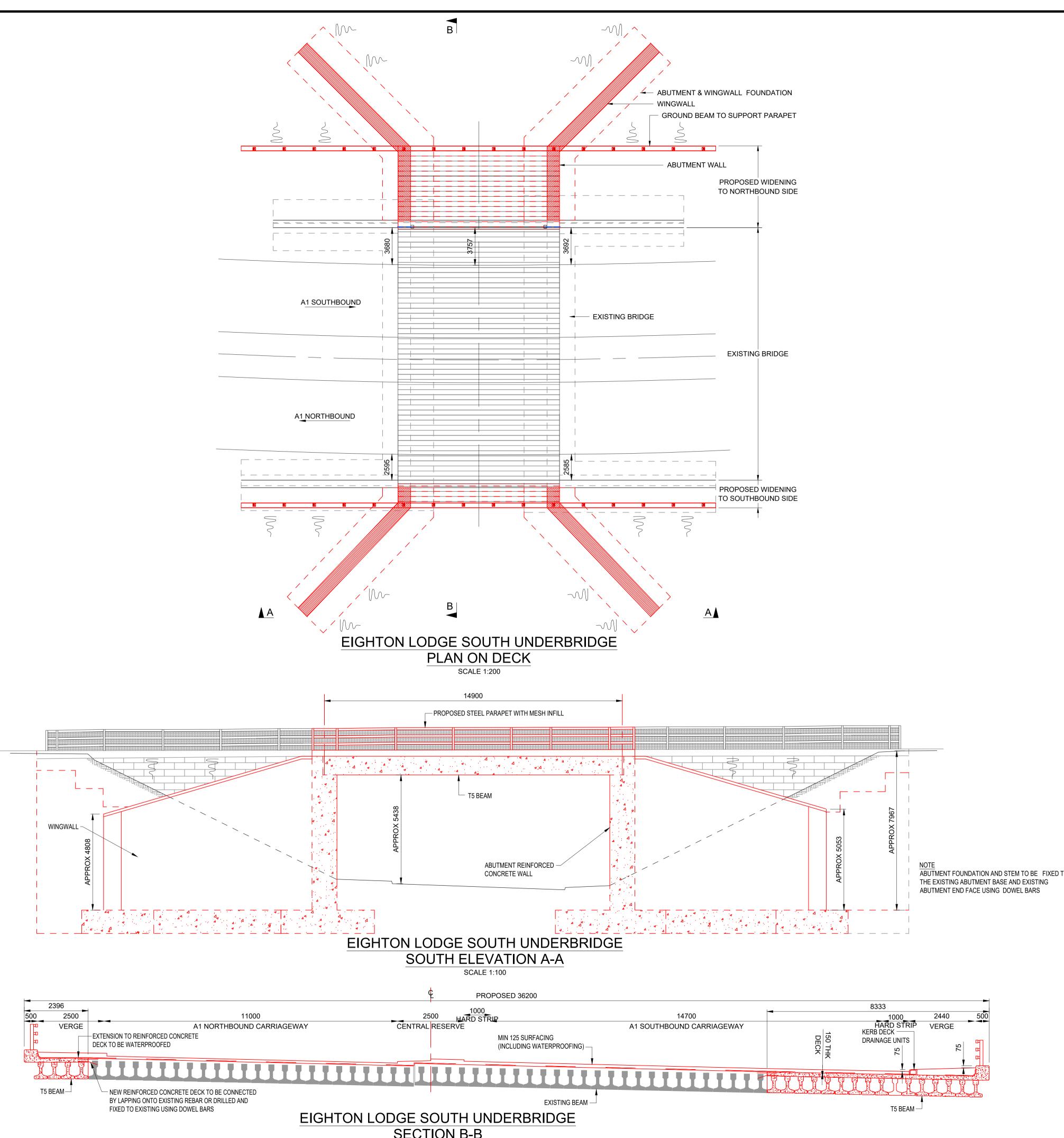
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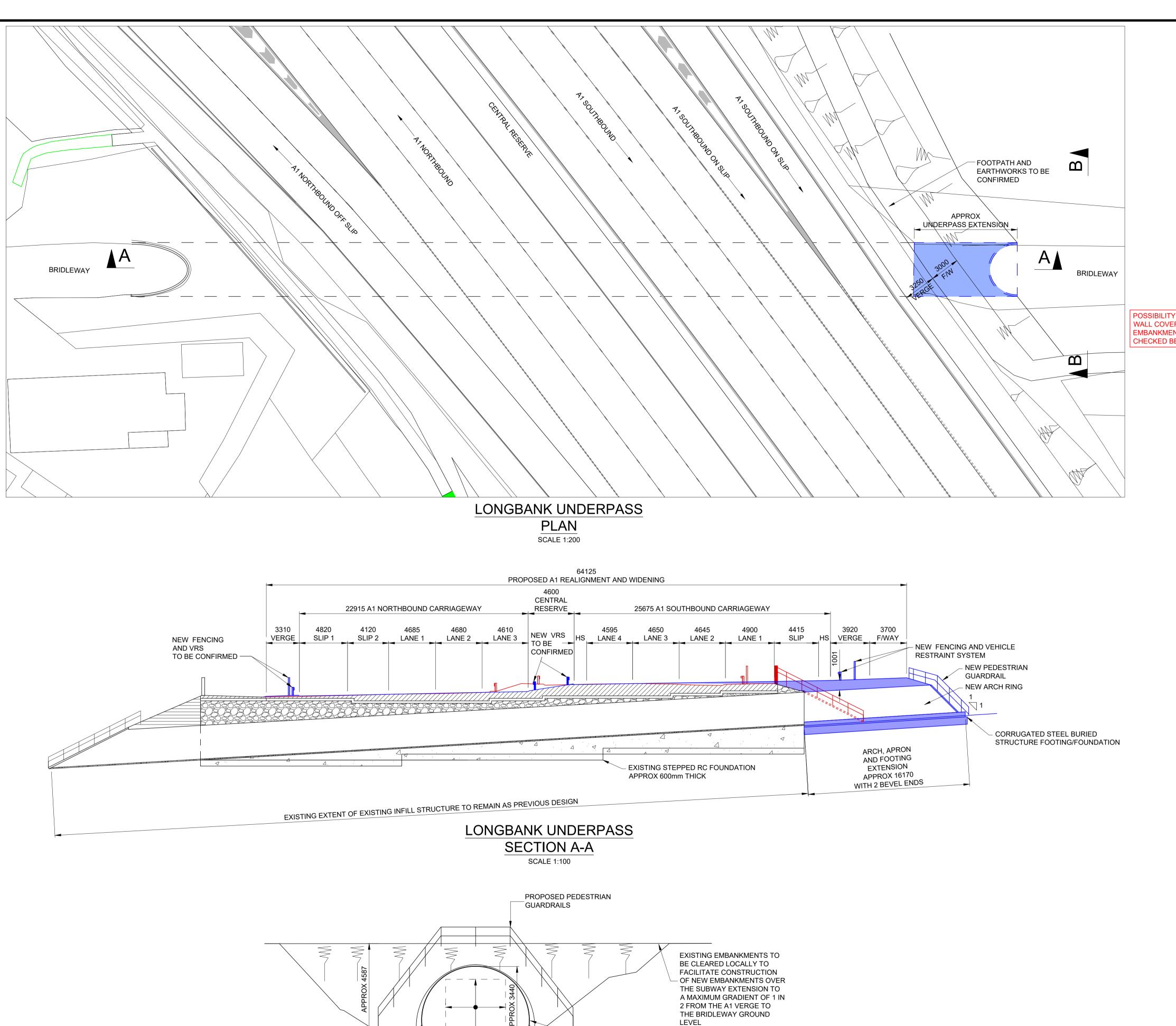


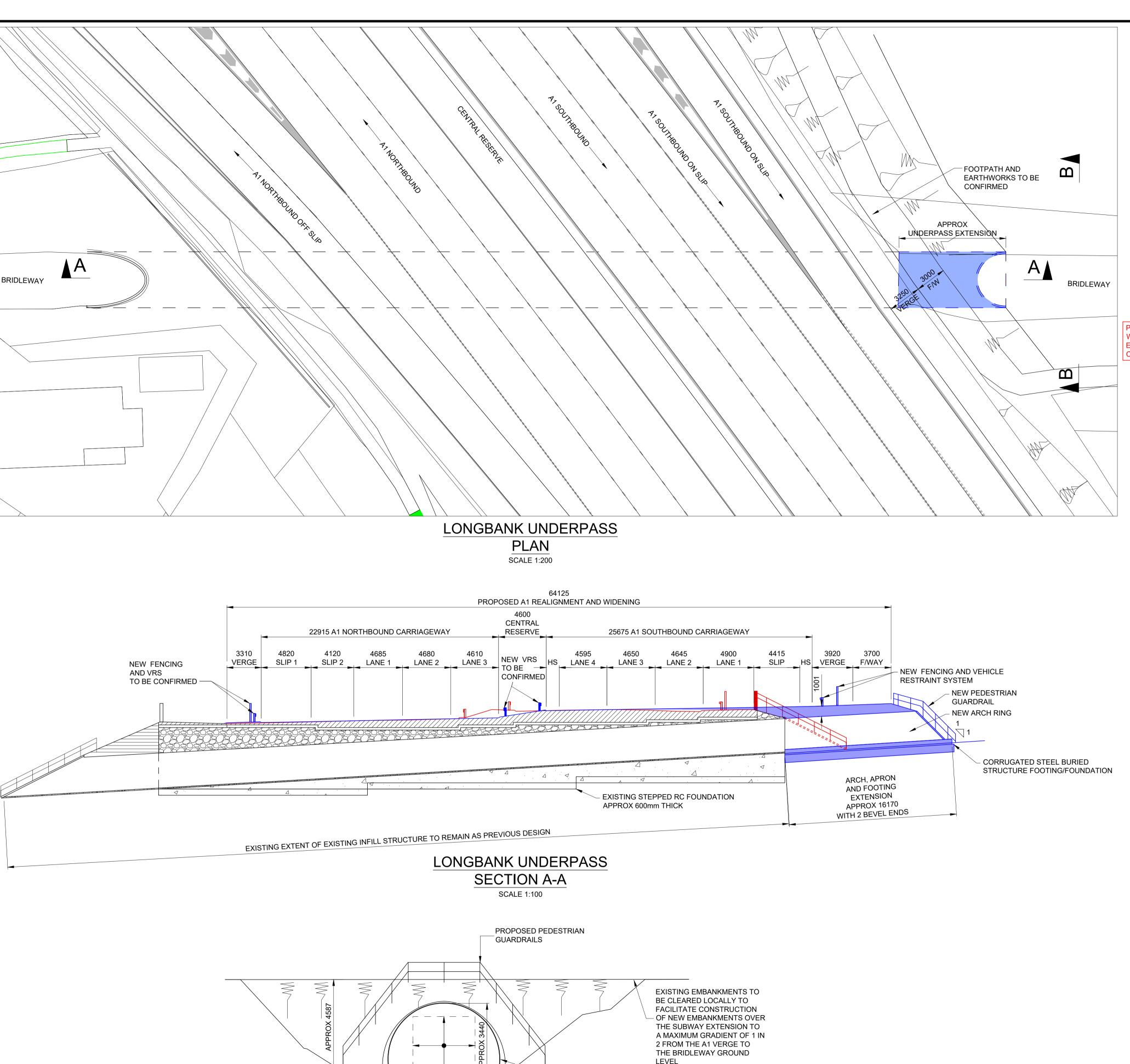


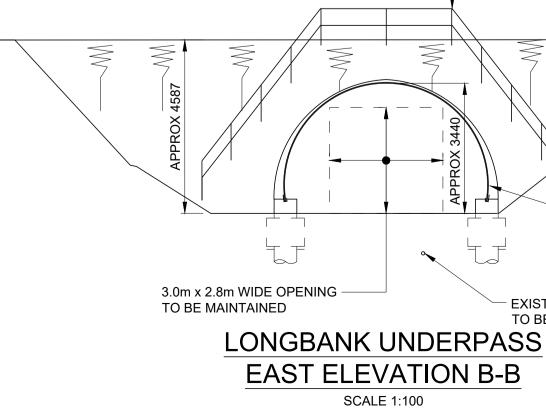
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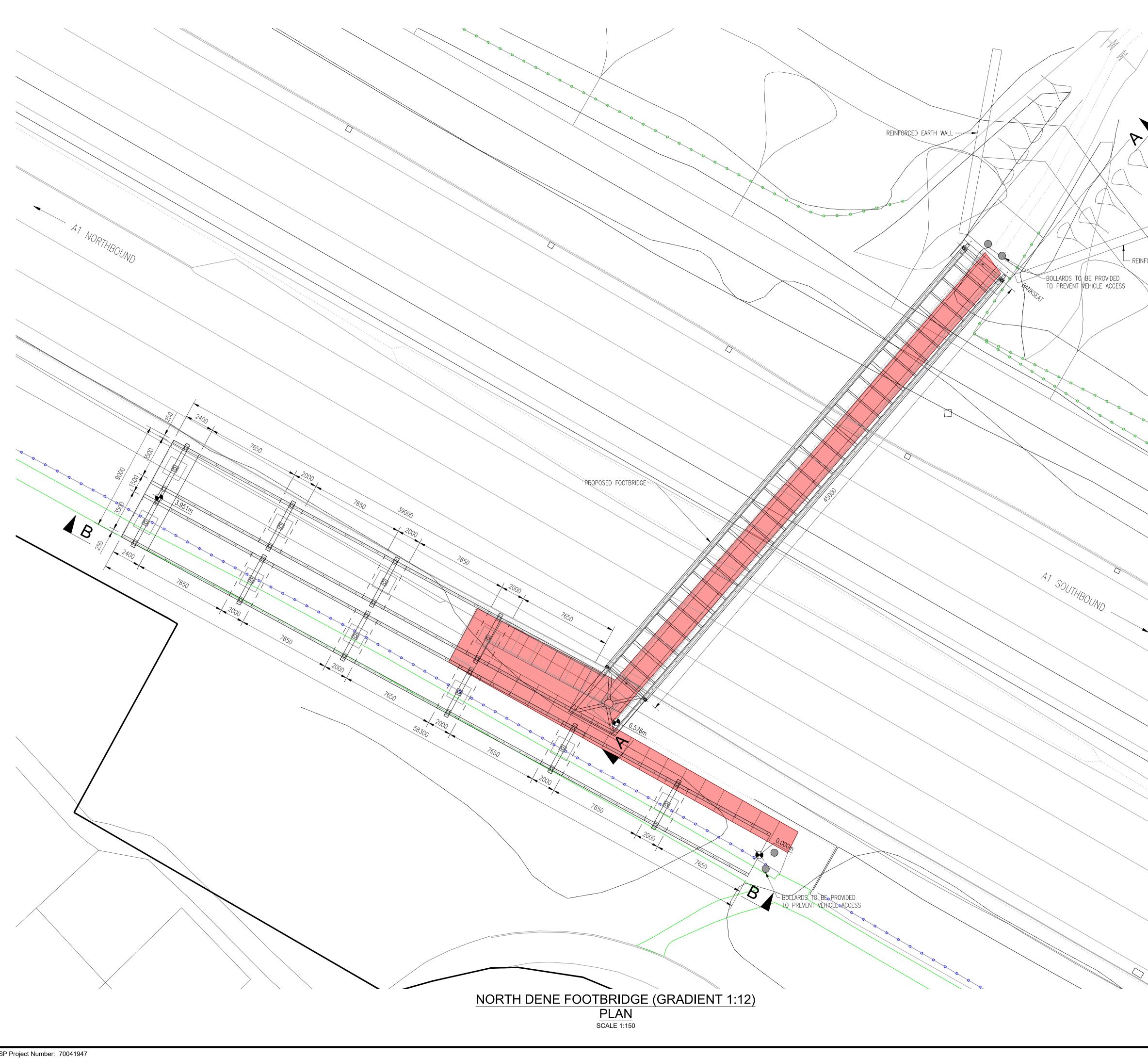


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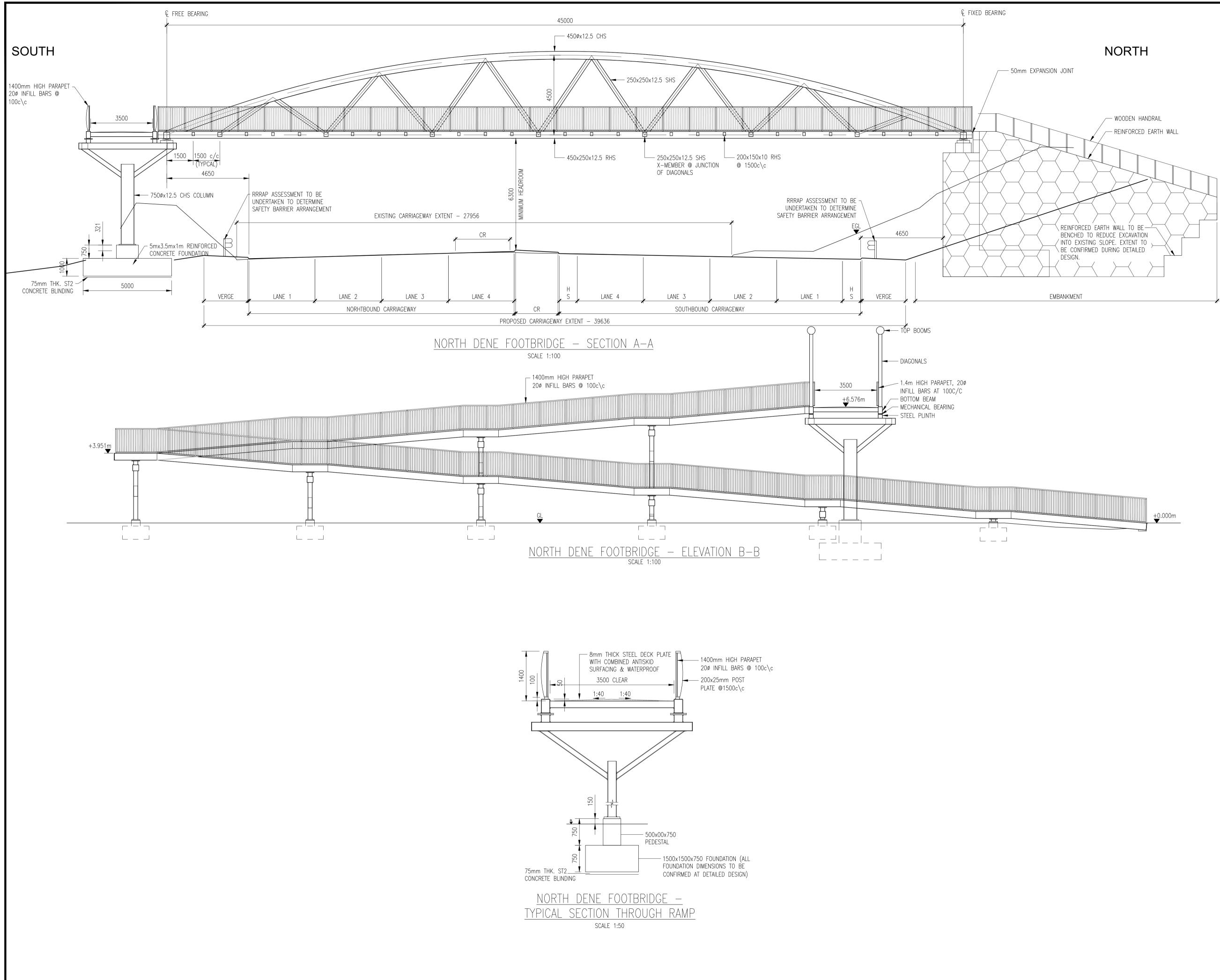
- EXISTING DRAIN TO BE RETAINED

EXISTING CSBS TO BE EXTENDED WITH AN ADDITIONAL MP200 MULTIPLATE SYSTEM BOLTED ONTO THE EXISTING AS REQUIRED

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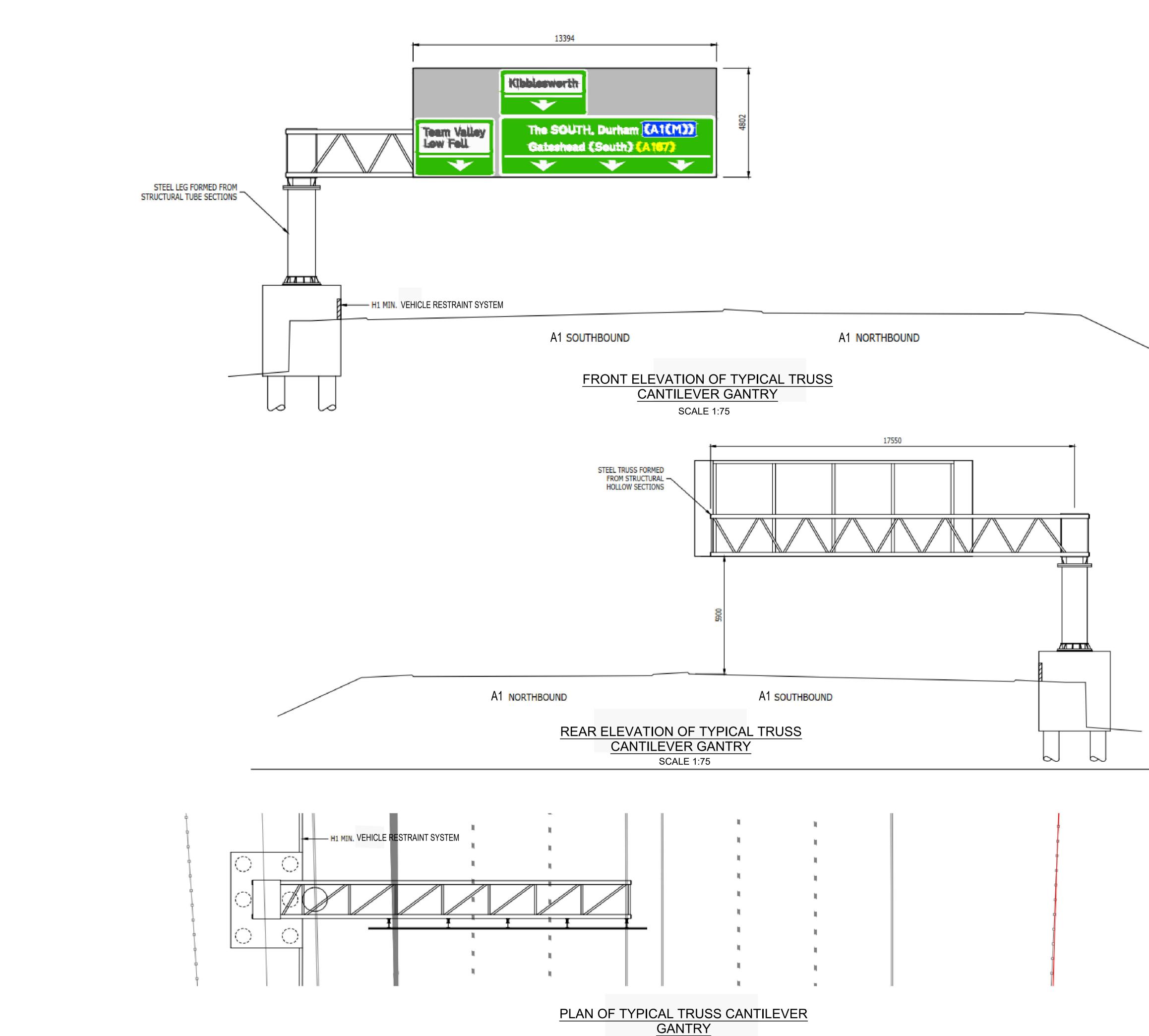


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- 2. ALL LEVELS AND CHAINAGES ARE IN METRES UNLESS NOTED OTHERWISE.
- 3. DO NOT SCALE. IN CASE OF DOUBTS, OMISSIONS OR ERRORS SEEK CLARIFICATION FROM THE DESIGNER.

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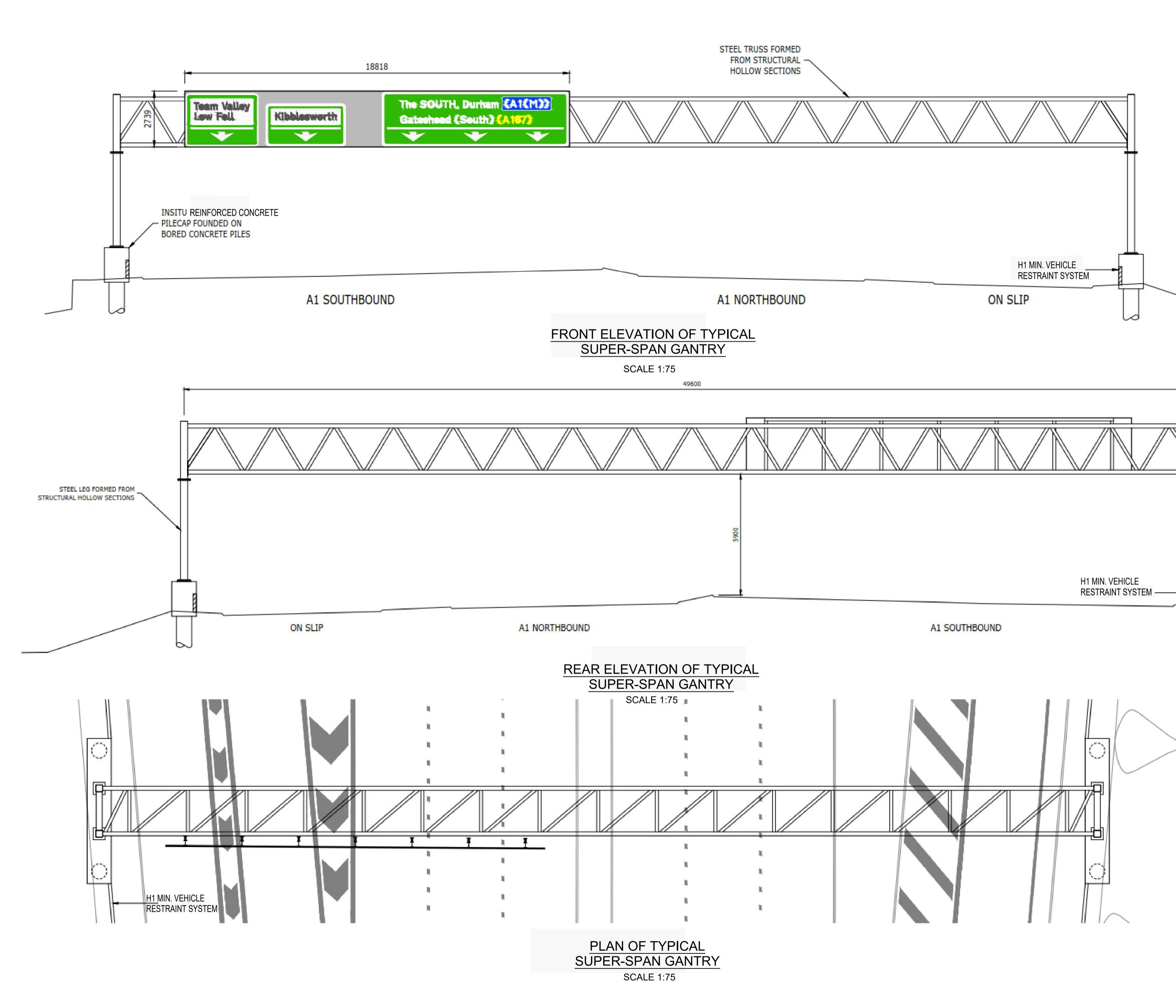
- SHS SQUARE HOLLOW SECTION
- RHS RECTANGULAR HOLLOW SECTION
- CHS CIRCULAR HOLLOW SECTION
- RRRAP ROAD RESTRAINT RISK ASSESSMENT PROCESS

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A1 BIRTLEY TO COAL HOUSE
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