

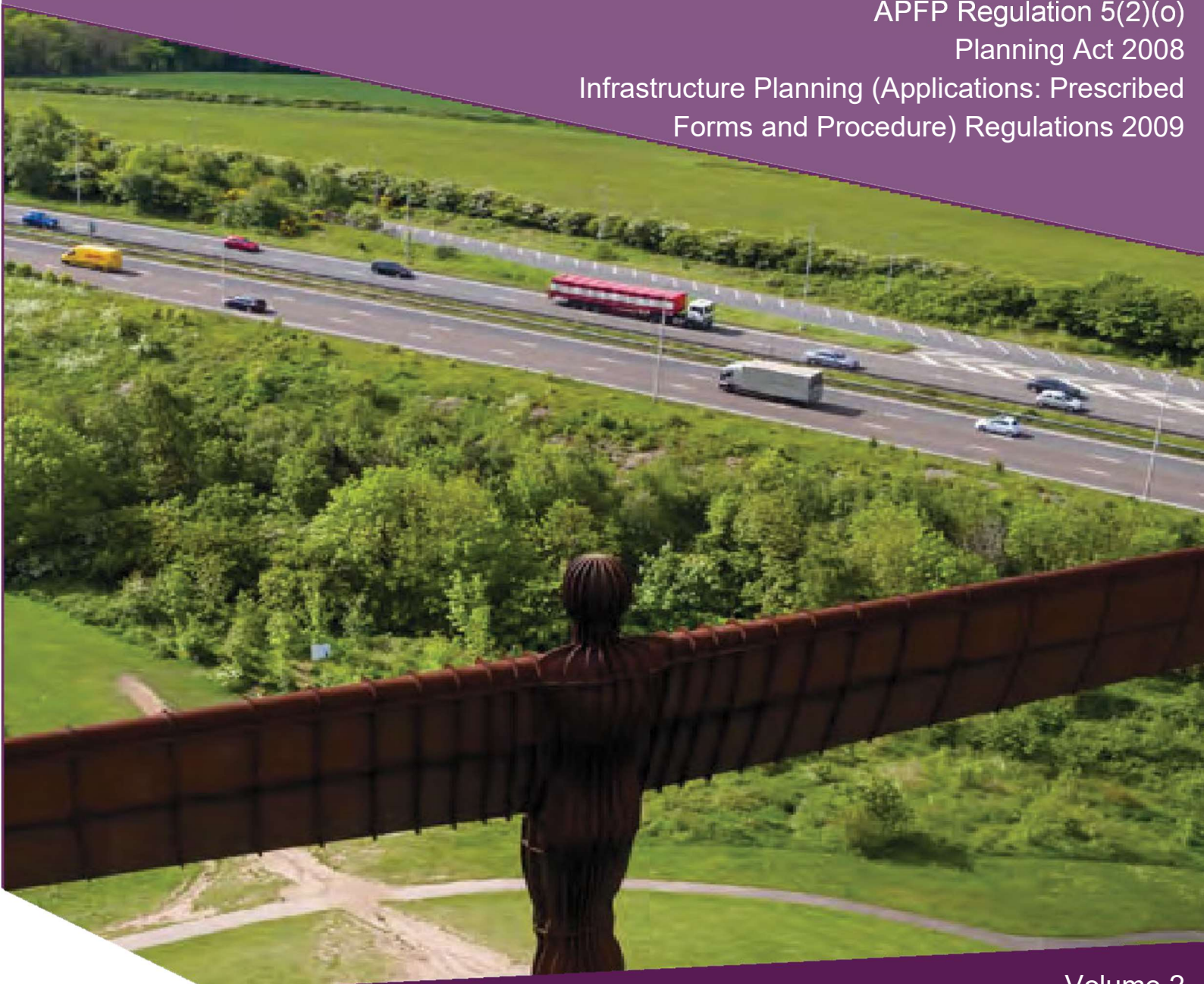
# A1 Birtley to Coal House

**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



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]**

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**STRUCTURES ENGINEERING DRAWINGS AND SECTIONS**

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

<b>Version</b>	<b>Date</b>	<b>Status of Version</b>
Rev 0	14/08/19	Application Issue

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## 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 0
Structures Engineering Drawings and Sections - Regulation 5(2)(o) Kingsway Viaduct (Junction 67) - Sheet 1 of 13	TR010031/APP/2.7(B)	Rev 0
Structures Engineering Drawings and Sections - Regulation 5(2)(o) Kingsway Viaduct (Junction 67) - Sheet 2 of 13	TR010031/APP/2.7(C)	Rev 0
Structures Engineering Drawings and Sections - Regulation 5(2)(o) Allerdene Bridge (Embankment Option) - Sheet 3 of 13	TR010031/APP/2.7(D)	Rev 0
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 0
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 0
Structures Engineering Drawings and Sections - Regulation 5(2)(o) Eighton Lodge Slip Road Underbridge - Sheet 6 of 13	TR010031/APP/2.7(G)	Rev 0
Structures Engineering Drawings and Sections - Regulation 5(2)(o) Eighton Lodge North Underbridge - Sheet 7 of 13	TR010031/APP/2.7(H)	Rev 0
Structures Engineering Drawings and Sections - Regulation 5(2)(o) Eighton Lodge South Underbridge -	TR010031/APP/2.7(I)	Rev 0

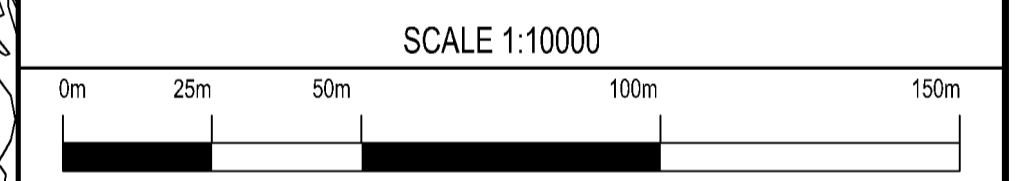
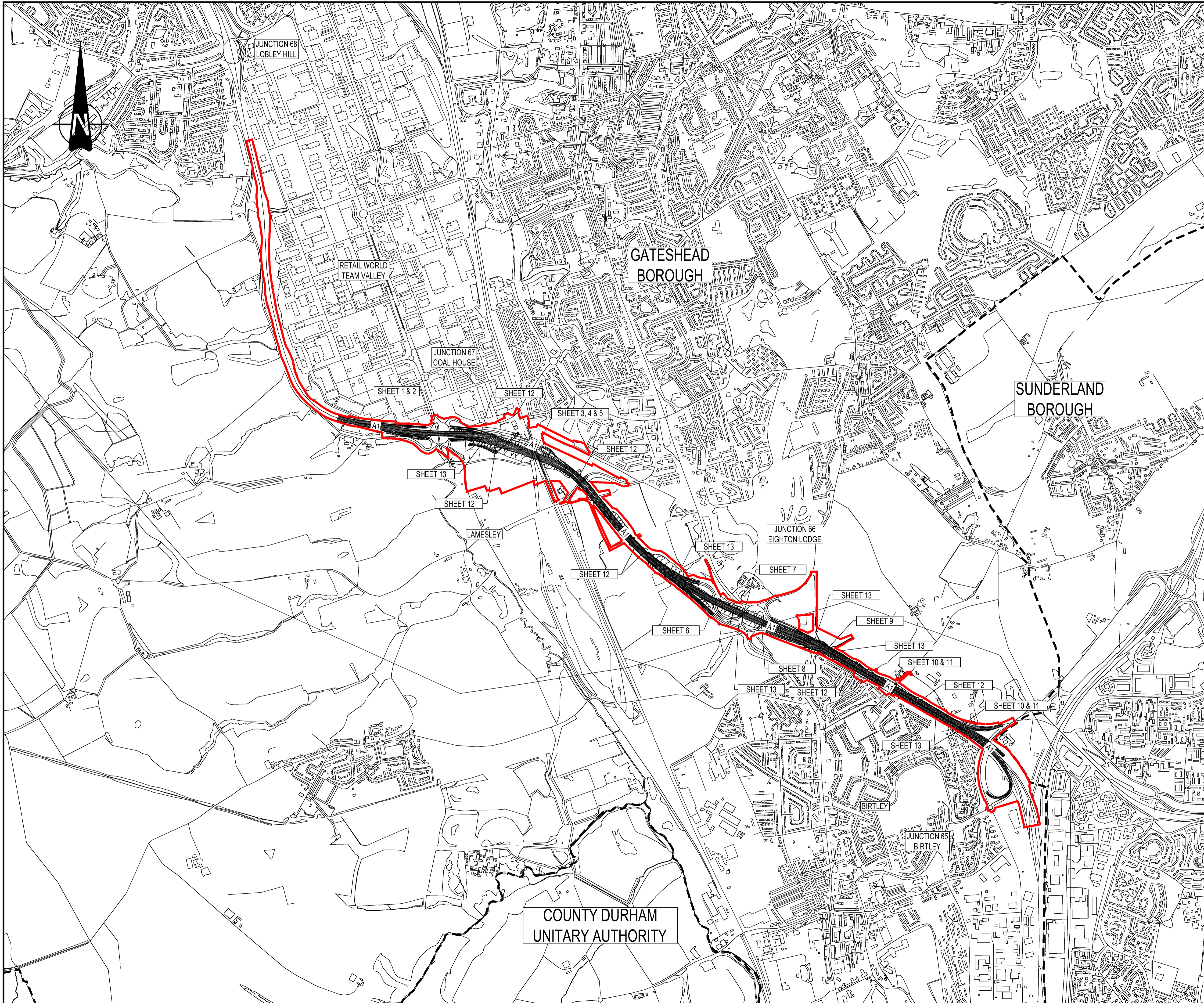
Sheet 8 of 13		
Structures Engineering Drawings and Sections - Regulation 5(2)(o) Longbank Underpass - Sheet 9 of 13	TR010031/APP/2.7(J)	Rev 0
Structures Engineering Drawings and Sections - Regulation 5(2)(o) North Dene Footbridge - Sheet 10 of 13	TR010031/APP/2.7(K)	Rev 0
Structures Engineering Drawings and Sections - Regulation 5(2)(o) North Dene Footbridge - Sheet 11 of 13	TR010031/APP/2.7(L)	Rev 0
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 0
Structures Engineering Drawings and Sections - Regulation 5(2)(o) Typical ADS Gantry Portal Type - Sheet 13 of 13	TR010031/APP/2.7(N)	Rev 0

NOTES:

- NO DETAILS HAVE BEEN PROVIDED NORTH OF JUNCTION 76 (COAL HOUSE) AS THE CARRIAGEWAY IS NOT BEING AMENDED.

KEY

-  ORDER LIMITS
-  LOCAL AUTHORITY BOUNDARY
-  INDICATIVE SCHEME (SHOWN FOR ILLUSTRATIVE PURPOSES ONLY)



Rev.	Date	Description	By	Eng/CHK	Disc/CHK	Appr	Status
0	15/05/19	APPLICATION ISSUE		PG	PG		

Application Issue S0

TR010031/APP/2.7(A)



A1 BIRTLEY TO COAL HOUSE

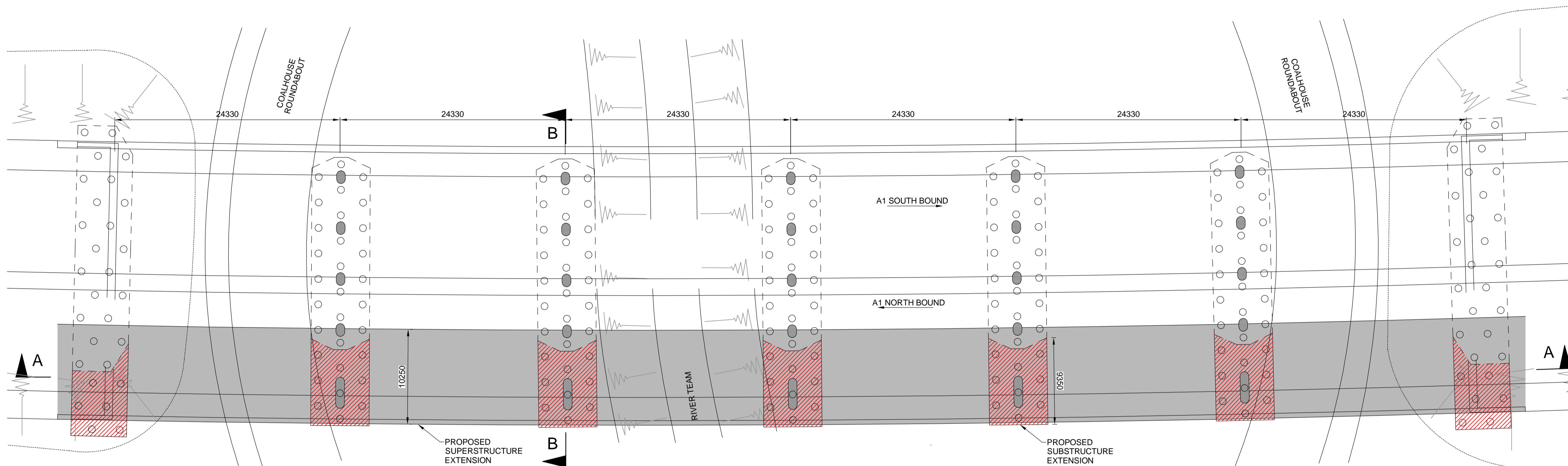
STRUCTURES ENGINEERING DRAWINGS  
& SECTIONS REGULATION 5(4)  
KEY PLAN

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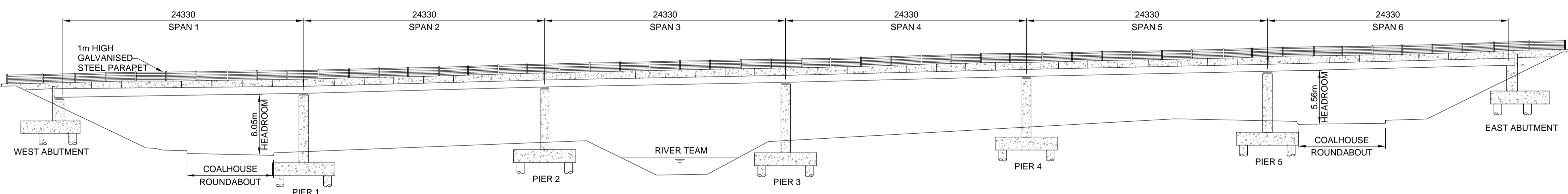
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HE 551462	WSP	LSI	0
ZZ	DR	ZL	45023
Section	Type	Role	Number
			3

NOTES:

1. ALL DIMENSION ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
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.



KINGSWAY VIADUCT (JUNCTION 67)  
DECK PLAN  
SCALE 1:250



KINGSWAY VIADUCT (JUNCTION 67)  
TYPICAL LONGITUDINAL SECTION A-A  
SCALE 1:250

SCALE 1:250 0 2500 5000

Rev.	Date	Description	By	Eng/Chk	Disc/Chk	App'd
0	15/05/19	APPLICATION ISSUE				

Suitability	Application Issue	Status	S0
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PINS Reference Number  
TR010031/APP/2.7(B)



Client  
A1 BIRTLEY TO COAL HOUSE

Drawing Title  
STRUCTURES ENGINEERING DRAWINGS  
& SECTIONS REGULATION 5(2)(o)  
KINGSWAY VIADUCT (JUNCTION 67)  
(SHEET 1 OF 13)

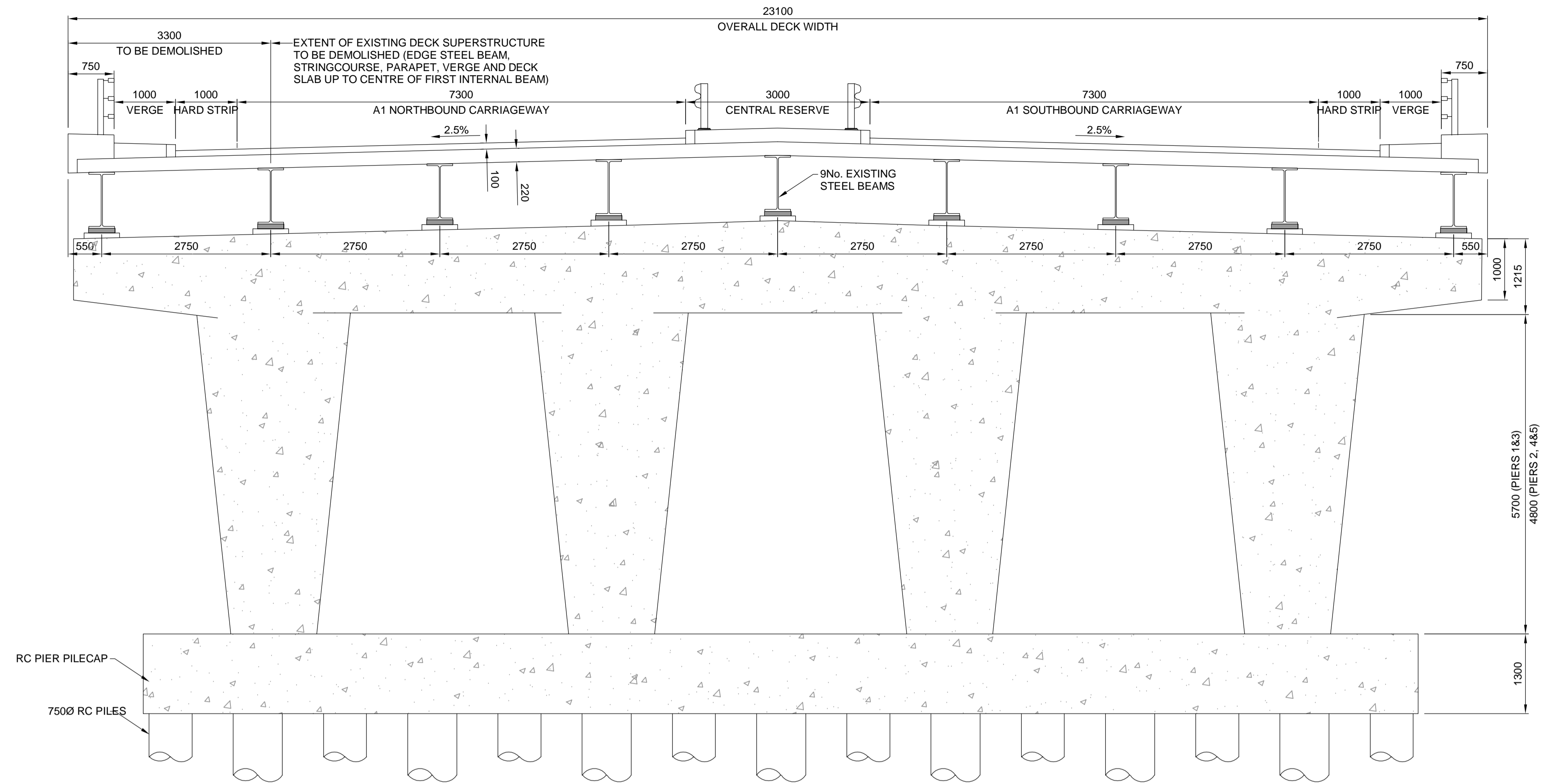
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ZZ	DR	ZL 45010	PW Stage Code 3

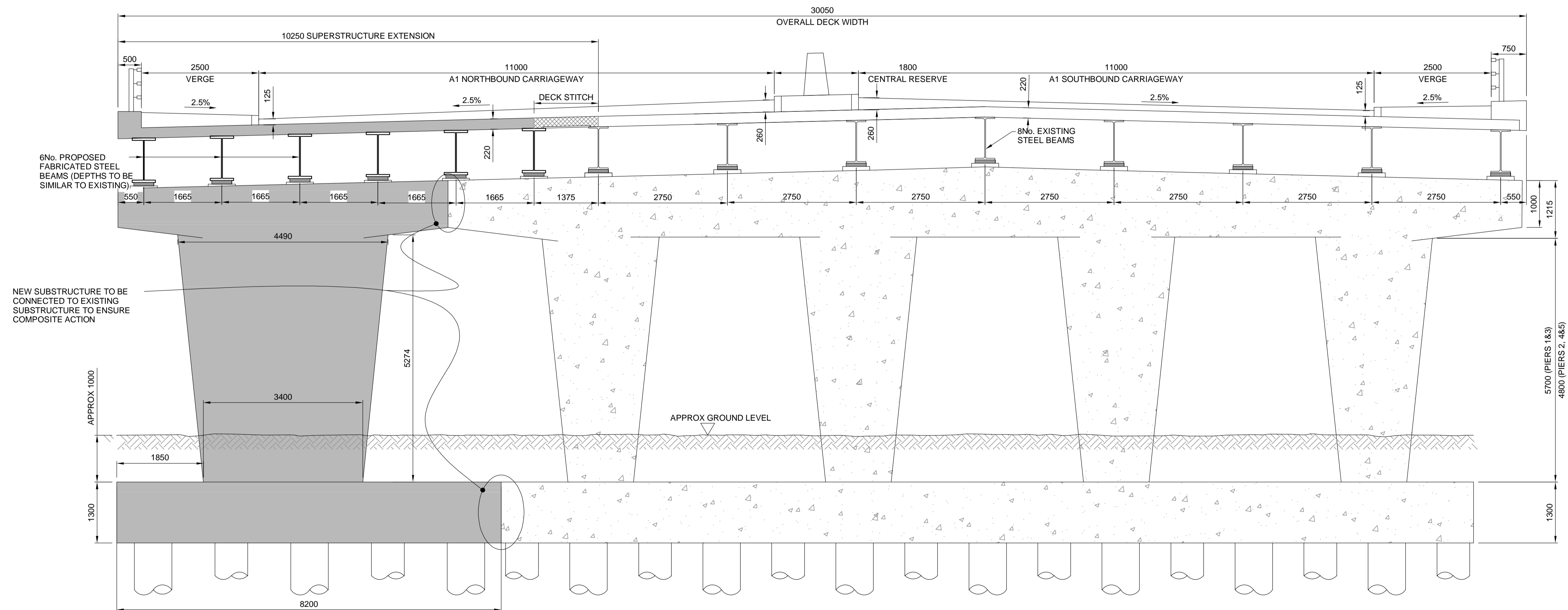


NOTES:

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KINGSWAY VIADUCT (JUNCTION 67)  
EXISTING CROSS SECTION B-B  
SCALE 1:50



KINGSWAY VIADUCT (JUNCTION 67)  
PROPOSED CROSS SECTION B-B  
SCALE 1:50

SCALE 1:50 0 500 1000

Rev.	Date	Description	By	Eng/Chk	Disc/Chk	App'd	Status
0	15/05/19	APPLICATION ISSUE					PG PG

Application Issue S0

PINS Reference Number  
TR010031/APP/2.7(C)



Project Title  
A1 BIRTLEY TO COAL HOUSE

Drawing Title  
STRUCTURES ENGINEERING DRAWINGS  
& SECTIONS REGULATION 5(2)(o)  
KINGSWAY VIADUCT (JUNCTION 67)  
(SHEET 2 OF 13)

Scale	Drawn	Eng. Check	Approved	Authorised
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Original Size	Date	Date	Date	Date
A1	---	---	---	---






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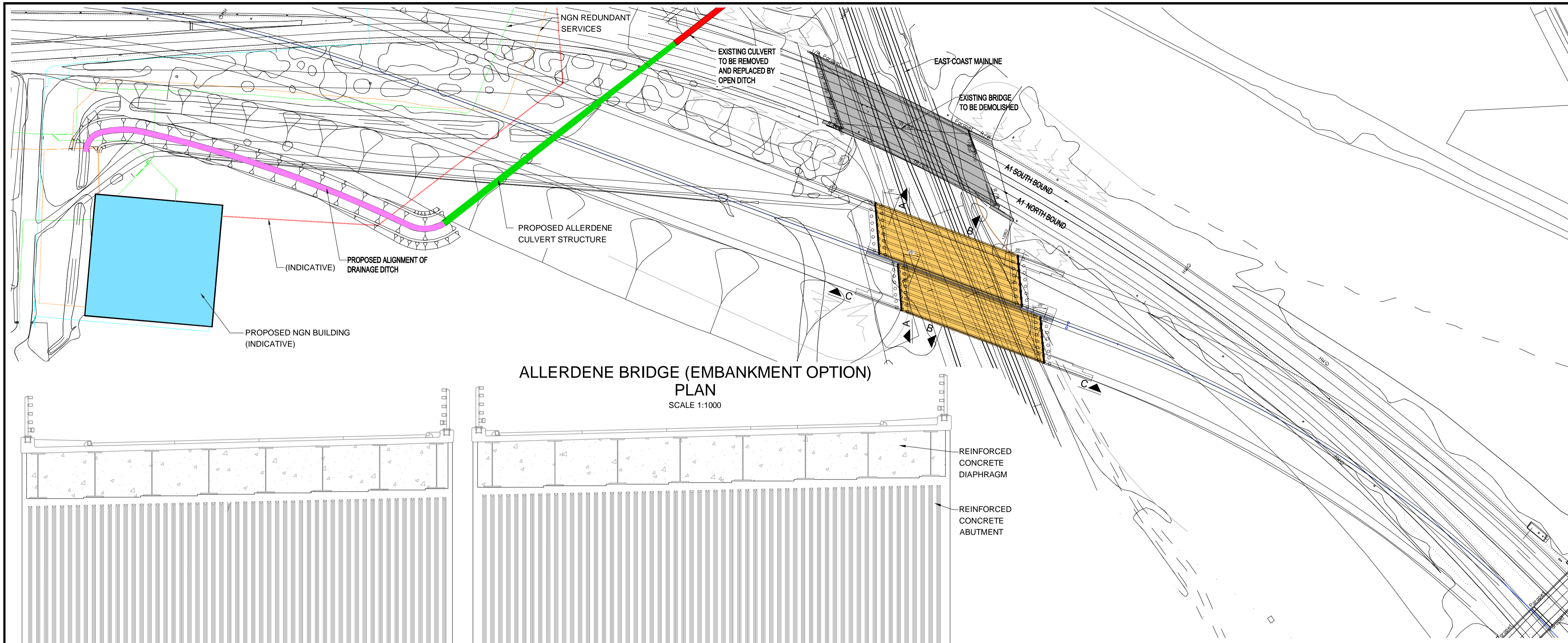
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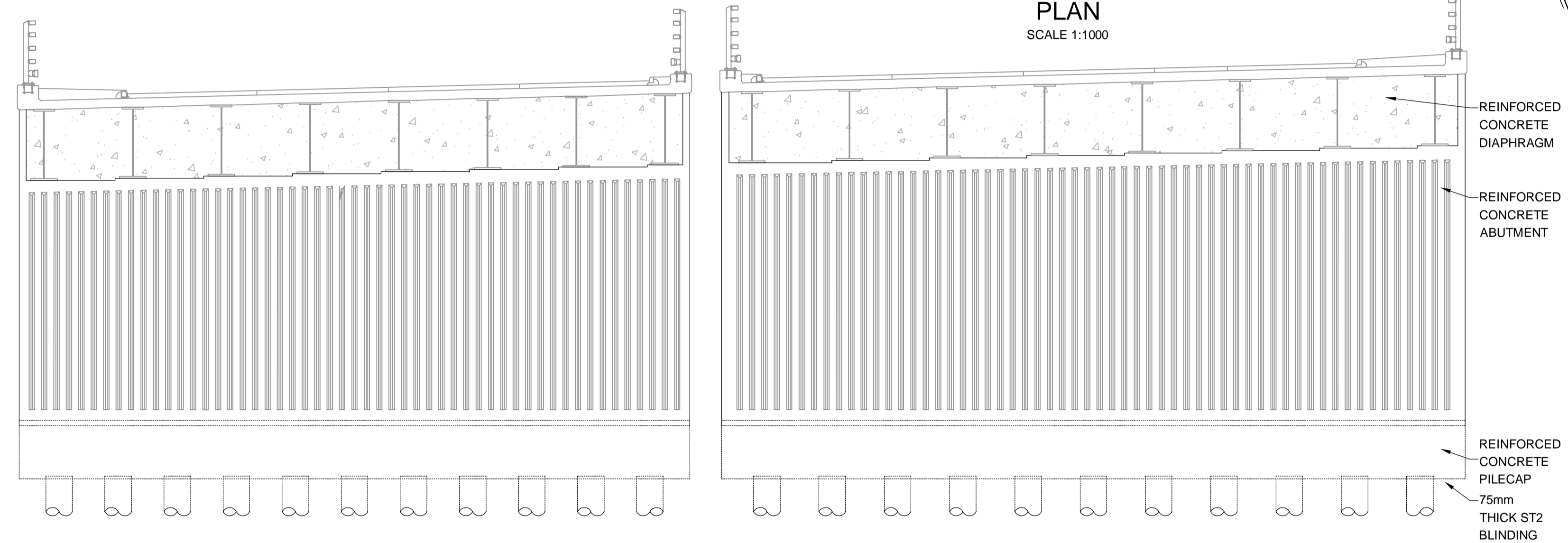
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2. ALL LEVELS AND CHAINAGES ARE IN METRES UNLESS NOTED OTHERWISE.
3. DO NOT SCALE. IN CASE OF DOUBTS, OMISSIONS OR ERRORS SEEK CLARIFICATION FROM THE DESIGNER.

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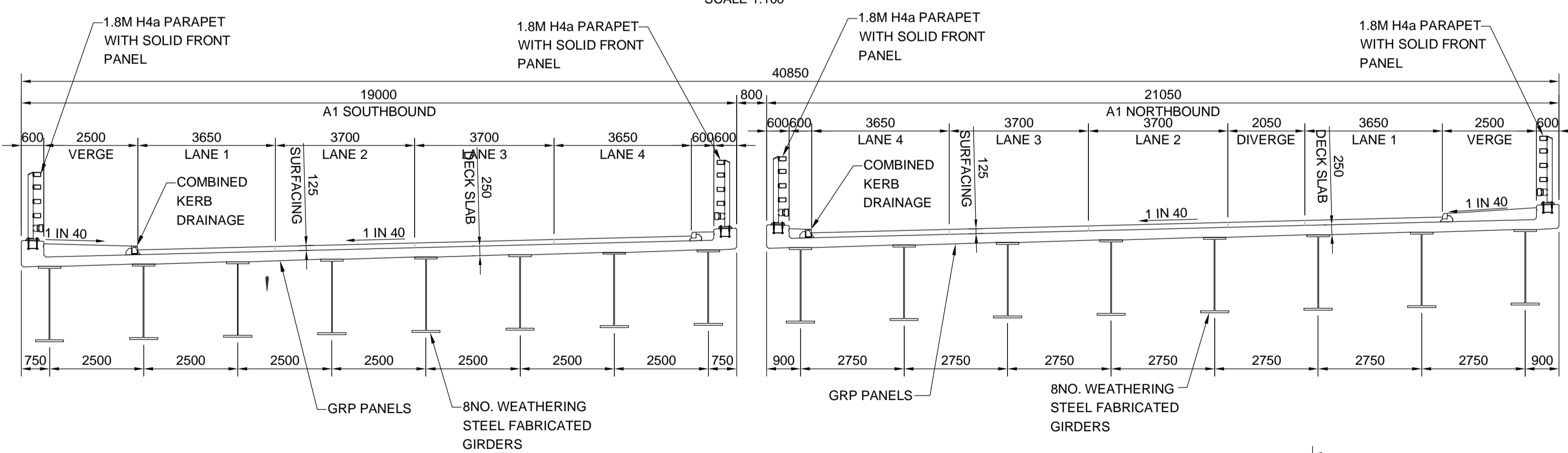
-  EXISTING BRIDGE (TO BE DEMOLISHED)
-  NEW BRIDGE
-  EXISTING ALLERDENE CULVERT TO BE REMOVED AND REPLACED WITH OPEN DITCH
-  PROPOSED ALLERDENE CULVERT STRUCTURE
-  PROPOSED OPEN DRAINAGE DITCH



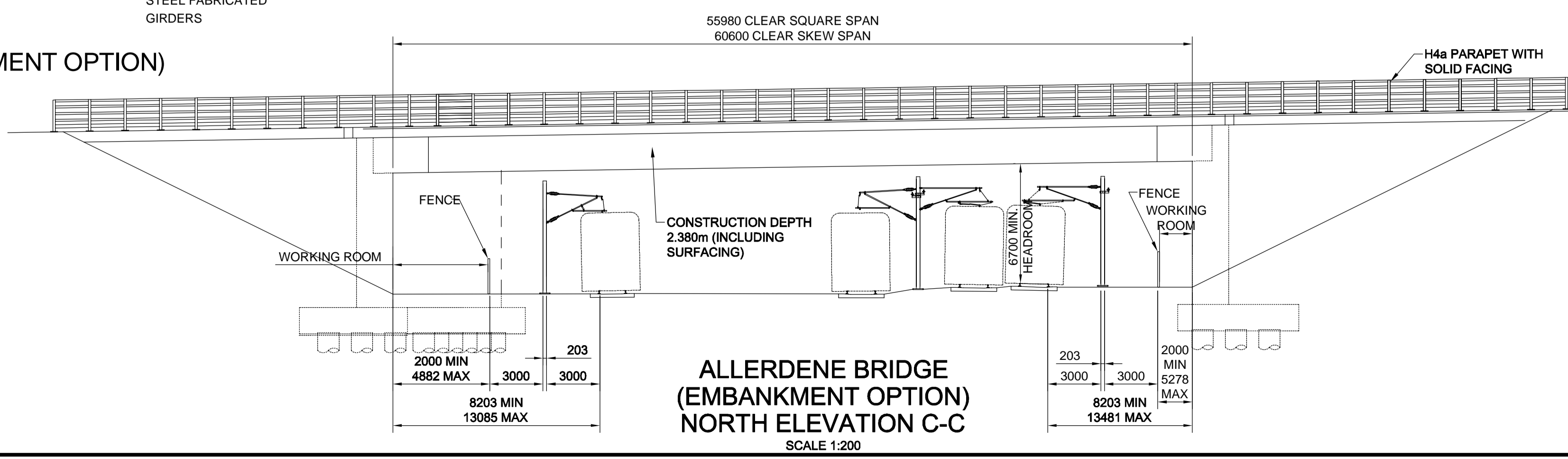
**ALLERDENE BRIDGE (EMBANKMENT OPTION)  
PLAN**  
SCALE 1:1000



**ALLERDENE BRIDGE (EMBANKMENT OPTION)  
TYPICAL ABUTMENT ELEVATION A-A**  
SCALE 1:100



**ALLERDENE BRIDGE (EMBANKMENT OPTION)  
SECTION B-B**  
SCALE 1:100



**ALLERDENE BRIDGE  
(EMBANKMENT OPTION)  
NORTH ELEVATION C-C**  
SCALE 1:200

SCALE 1:100 0 1000 2000

SCALE 1:200 0 2000 2500

SCALE 1:1000 0 10000 20000

Rev.	Date	Description	By	Eng/Chk	Disc/Chk	App'd	Status
0	15/05/19	APPLICATION ISSUE		PG	PG		

Application Issue S0

PINS Reference Number  
**TR010031/APP/2.7(D)**



Client  
**A1 BIRTLEY TO COAL HOUSE**

Drawing Title  
**STRUCTURES ENGINEERING DRAWINGS  
& SECTIONS REGULATION 5(2)(o)  
ALLERDENE BRIDGE (EMBANKMENT OPTION)  
(SHEET 3 OF 13)**

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Original Size	Date	Date	Date	Date
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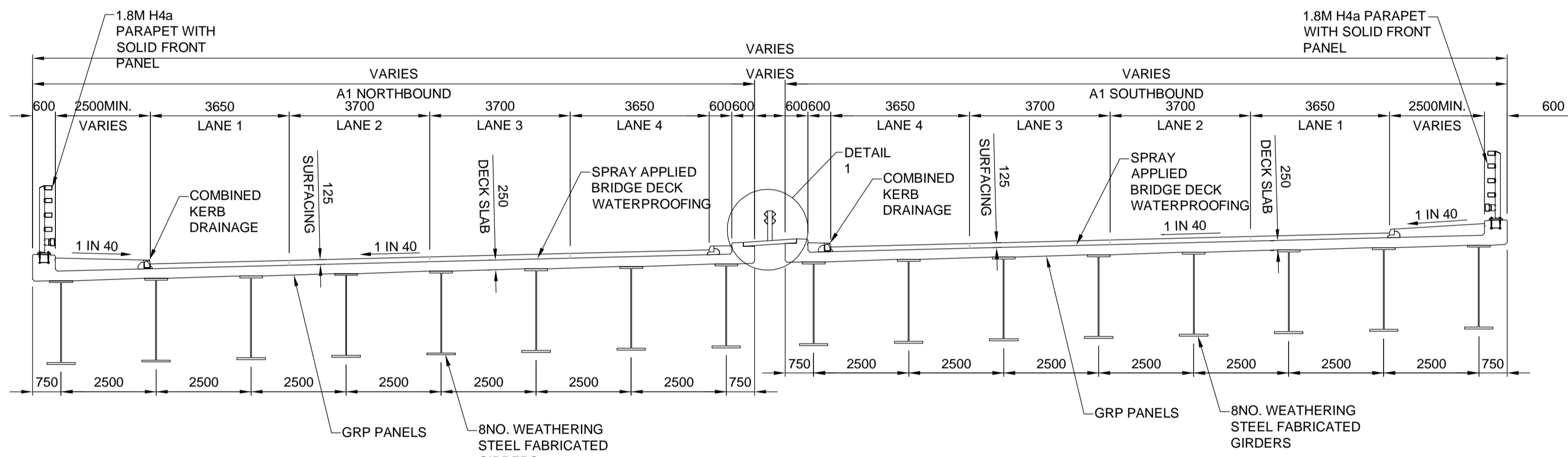
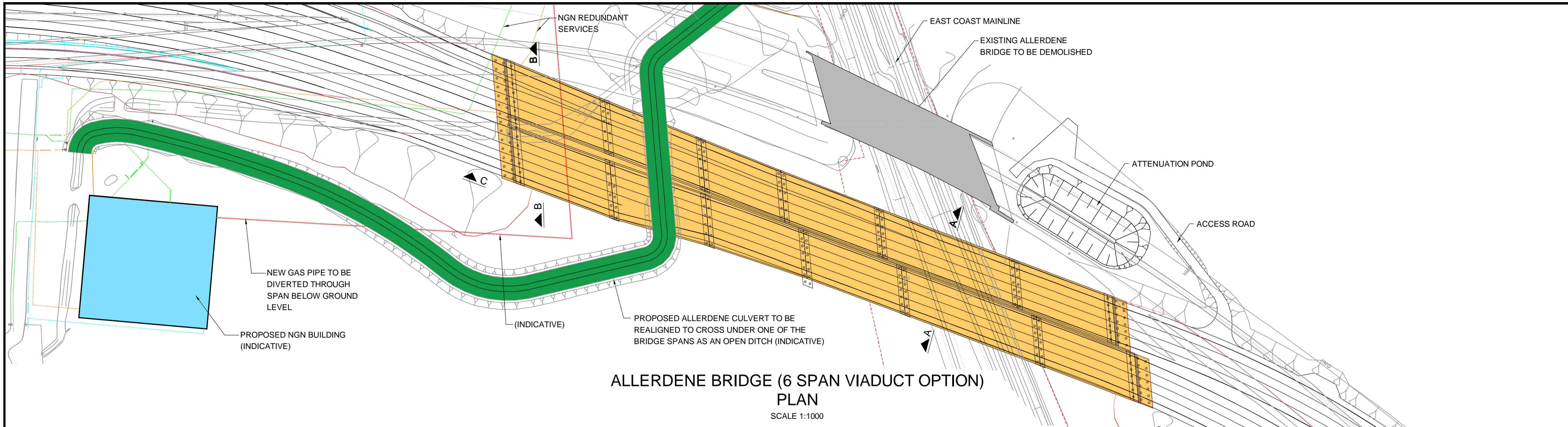
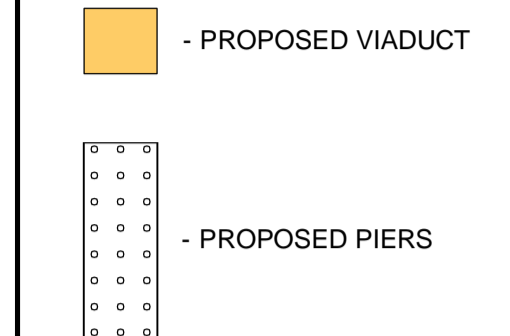
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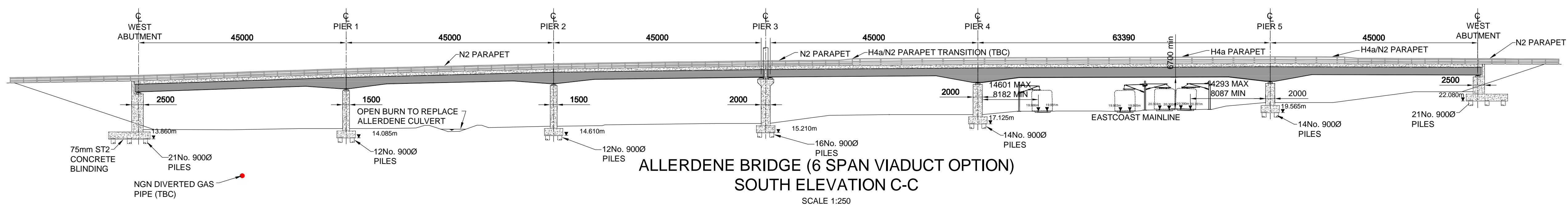
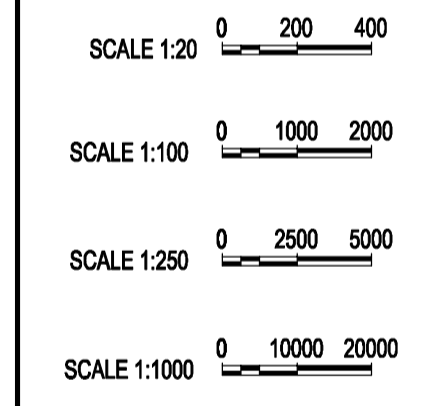
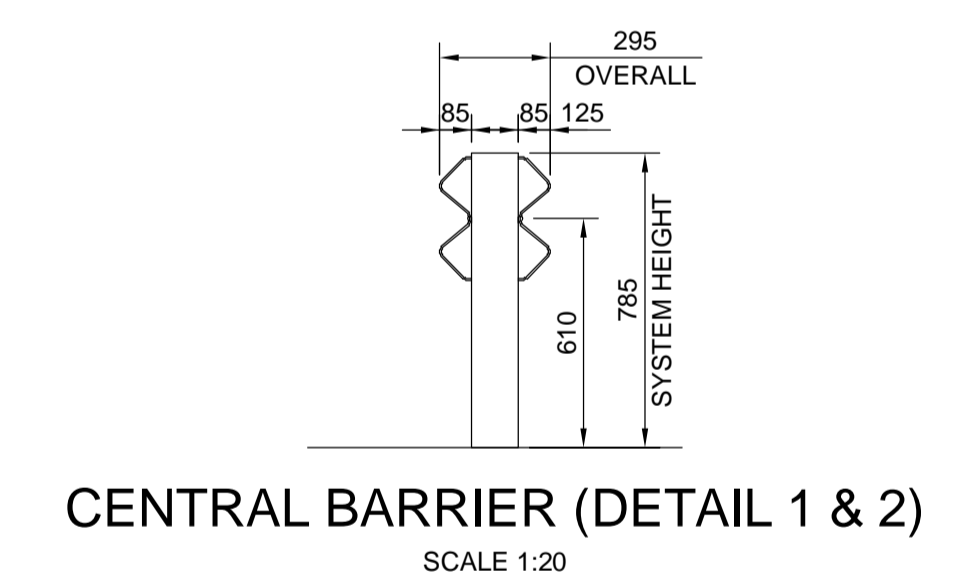
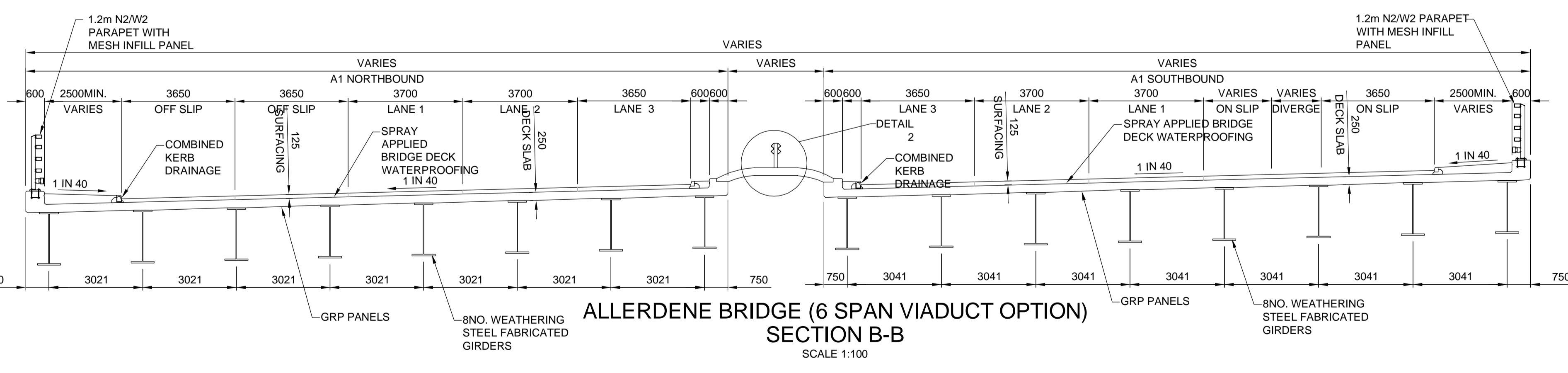
**NOTES:**

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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.

**KEY:**



GROUND IMPROVEMENT USING RIGID INCLUSION



0	15/05/19	APPLICATION ISSUE		PG	PG	
Rev.	Date	Description	By	Eng/Chk	Disc/Chk	App'd
Application Issue						S0

PINS Reference Number  
**TR010031/APP/2.7(E)**



Project Title  
**A1 BIRTLEY TO COAL HOUSE**

Drawing Title  
**STRUCTURES ENGINEERING DRAWINGS & SECTIONS REGULATION 5(2)(o) ALLERDENE BRIDGE (6 SPAN VIADUCT OPTION) (SHEET 4 OF 13)**

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Original Size	Date	Date	Date	Date
A1	---	---	---	---

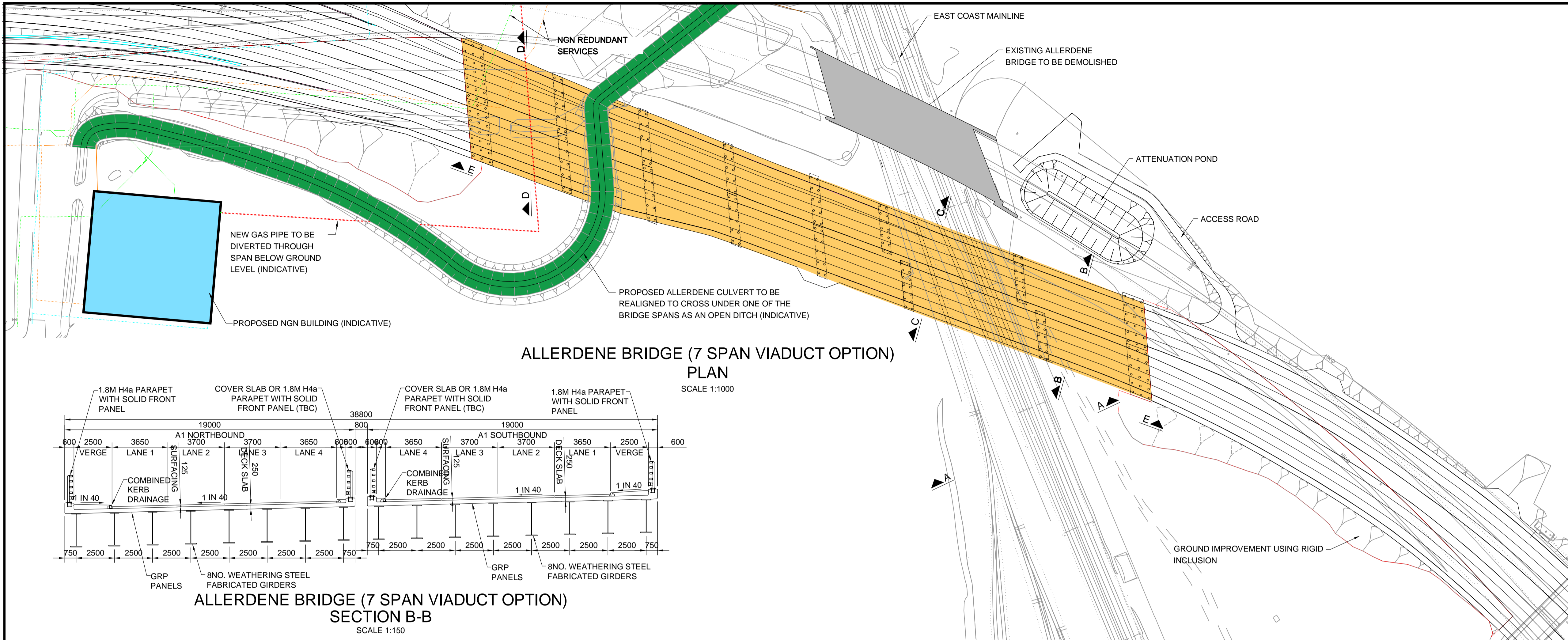
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Section	Type	Role	Number
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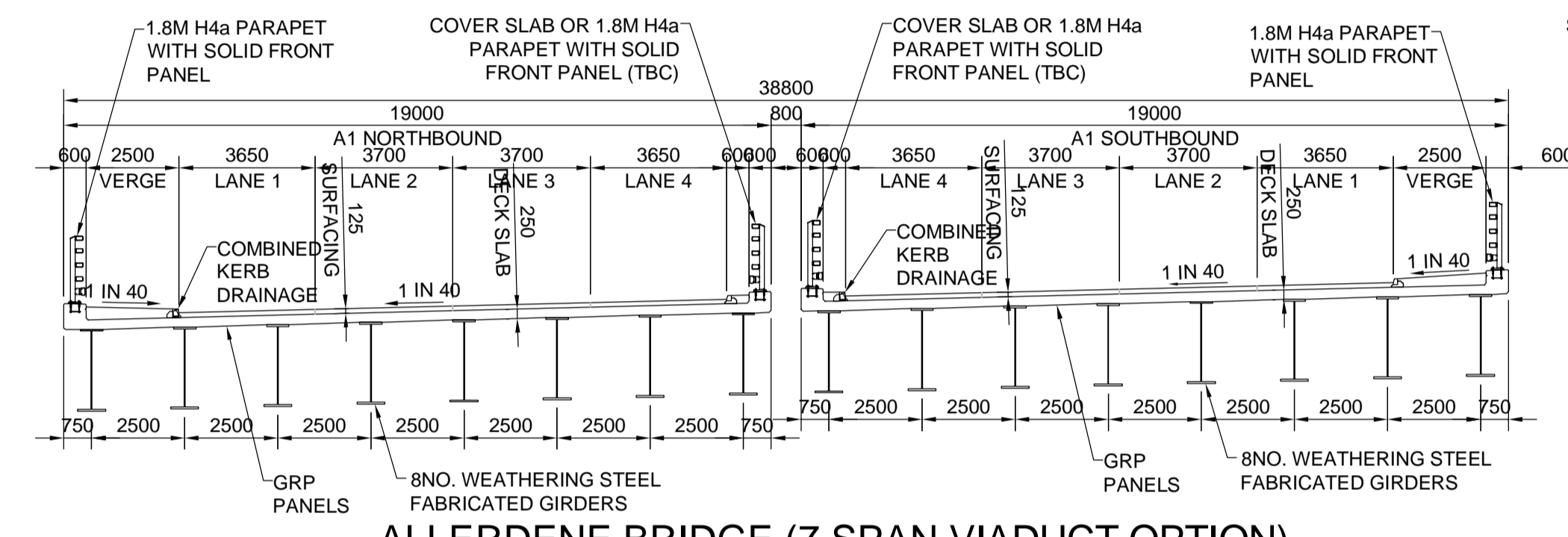
1. ALL DIMENSION ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. ALL LEVELS AND CHAINAGES ARE IN METRES UNLESS NOTED OTHERWISE.
3. DO NOT SCALE. IN CASE OF DOUBTS, OMISSIONS OR ERRORS SEEK CLARIFICATION FROM THE DESIGNER.

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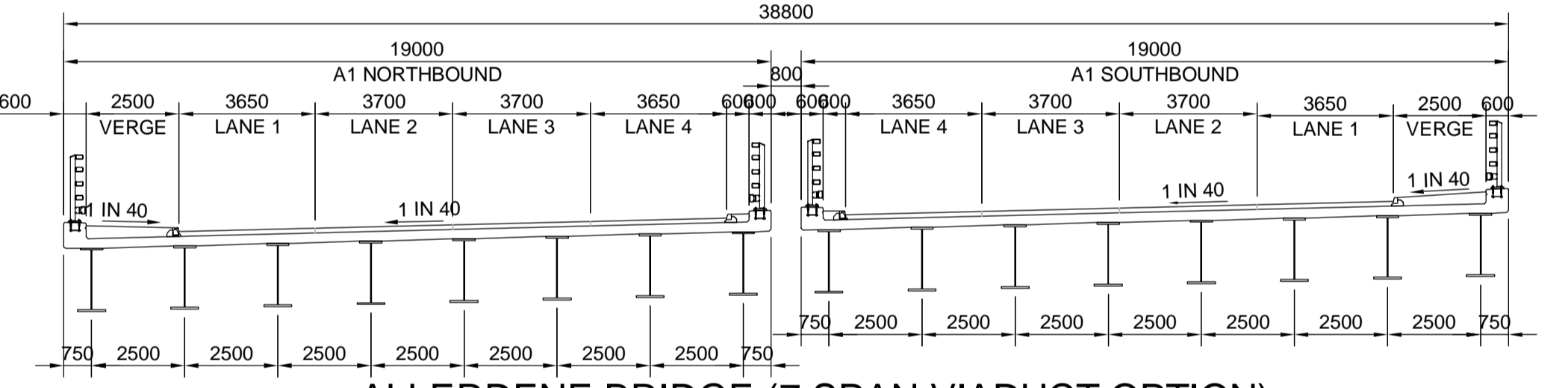
- PROPOSED VIADUCT
- PROPOSED PIERS



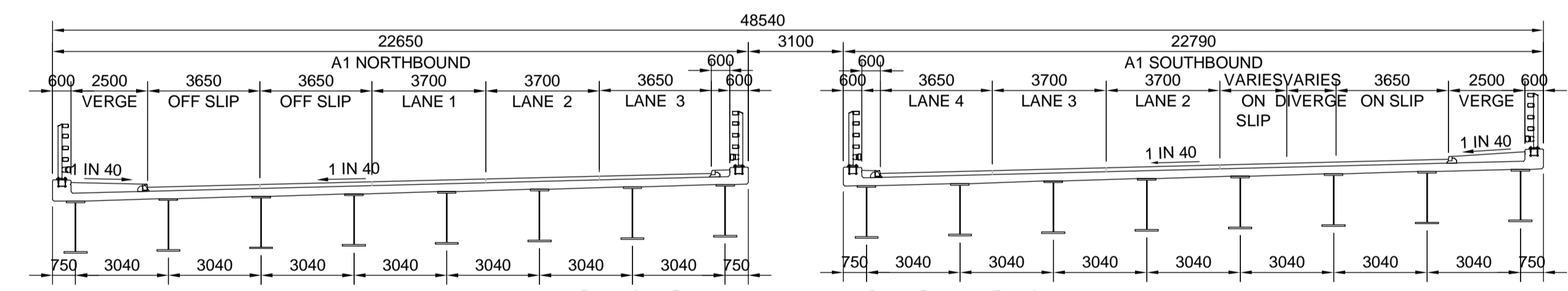
ALLERDENE BRIDGE (7 SPAN VIADUCT OPTION)  
PLAN  
SCALE 1:1000



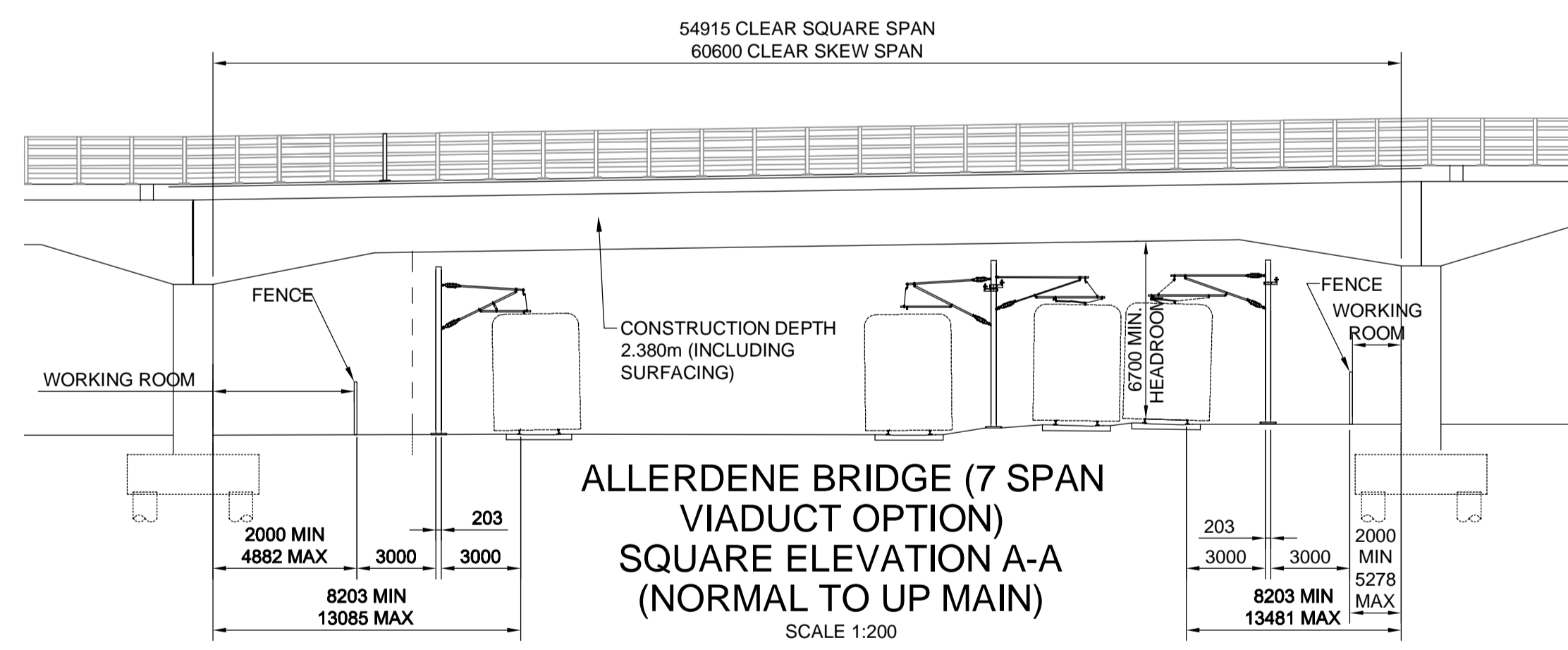
ALLERDENE BRIDGE (7 SPAN VIADUCT OPTION)  
SECTION B-B  
SCALE 1:150



ALLERDENE BRIDGE (7 SPAN VIADUCT OPTION)  
SECTION C-C  
SCALE 1:150

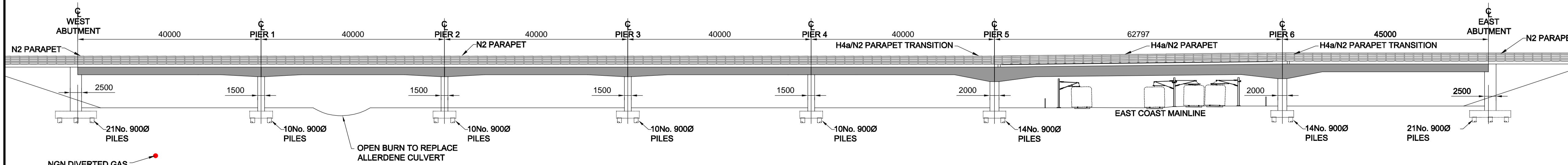


ALLERDENE BRIDGE (7 SPAN VIADUCT OPTION)  
SECTION D-D  
SCALE 1:150



ALLERDENE BRIDGE (7 SPAN VIADUCT OPTION)  
SQUARE ELEVATION A-A  
(NORMAL TO UP MAIN)  
SCALE 1:200

- SCALE 1:150 0 1500 3000
- SCALE 1:200 0 2000 2500
- SCALE 1:500 0 5000 10000
- SCALE 1:1000 0 10000 20000



ALLERDENE BRIDGE (7 SPAN VIADUCT OPTION)  
SOUTH ELEVATION E-E  
SCALE 1:500

0	15/05/19	APPLICATION ISSUE		PG	PG
Rev.	Date	Description	By	Eng/Chk	Disc/Chk
Application Issue					S0

PINS Reference Number  
TR010031/APP/2.7(F)



Client  
A1 BIRTLEY TO COAL HOUSE

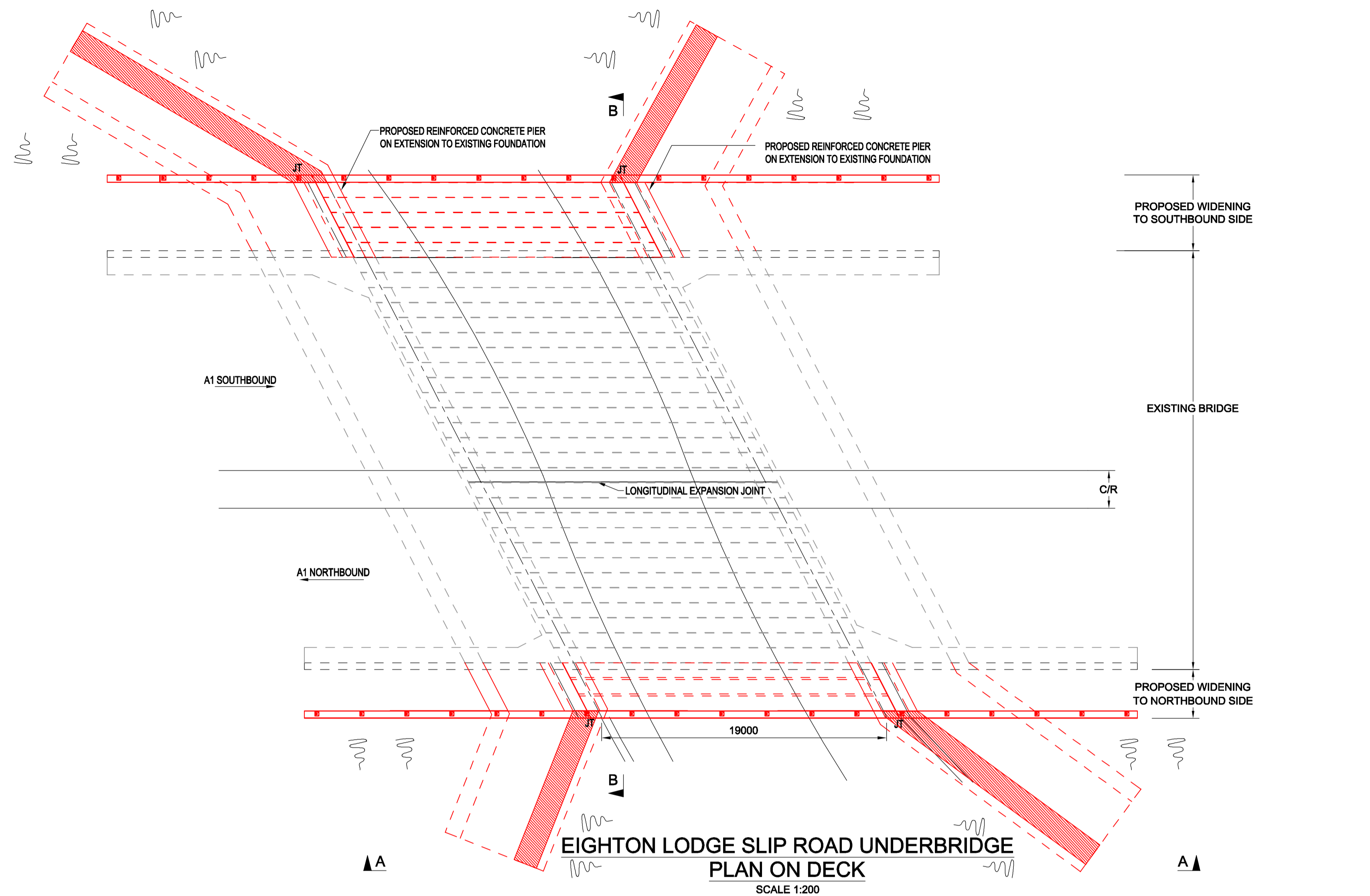
Project Title  
STRUCTURES ENGINEERING DRAWINGS & SECTIONS REGULATION 5(2)(o)  
ALLERDENE BRIDGE (7 SPAN VIADUCT OPTION)  
(SHEET 5 OF 13)

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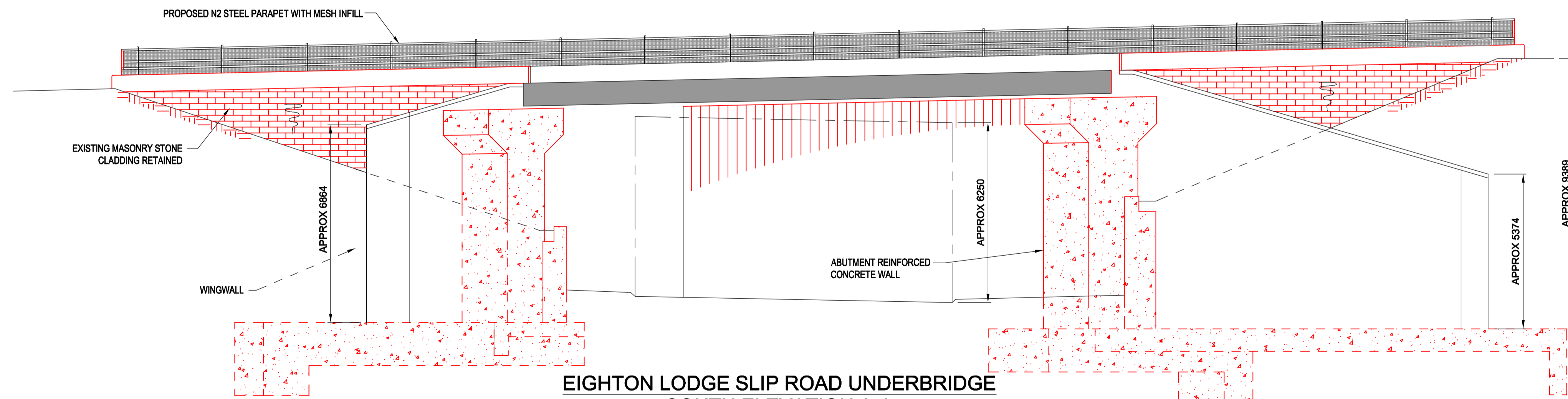
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Section	Type	Role	Number
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NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
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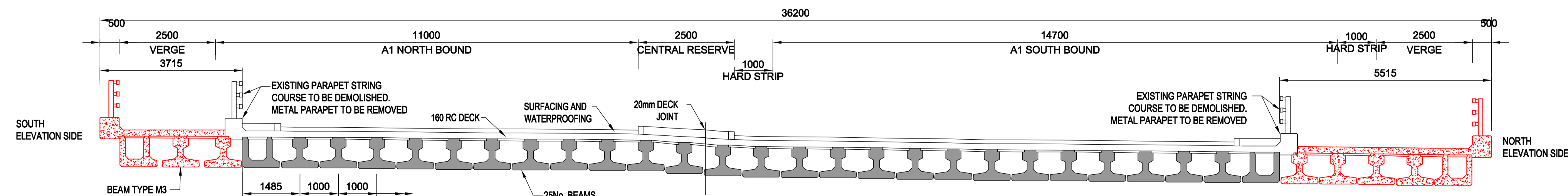


**EIGHTON LODGE SLIP ROAD UNDERBRIDGE  
PLAN ON DECK**  
SCALE 1:200



**EIGHTON LODGE SLIP ROAD UNDERBRIDGE  
SOUTH ELEVATION A-A**  
SCALE 1:100

NOTE  
ABUTMENT FOUNDATION AND STEM TO BE  
FIXED TO THE EXISTING ABUTMENT BASE  
AND EXISTING ABUTMENT END FACE  
USING DOWEL BARS



**EIGHTON LODGE SLIP ROAD UNDERBRIDGE  
SECTION B-B**  
SCALE 1:75

SCALE 1:75 0 750 1500  
SCALE 1:100 0 1000 2000  
SCALE 1:200 0 2000 2500

Rev.	Date	Description	By	Eng Chk	Disc/ Chk	App'd	Status
0	15/05/19	APPLICATION ISSUE					PG PG

Application Issue S0

PINS Reference Number  
TR010031/APP/2.7(G)



Project Title  
A1 BIRTLEY TO COAL HOUSE

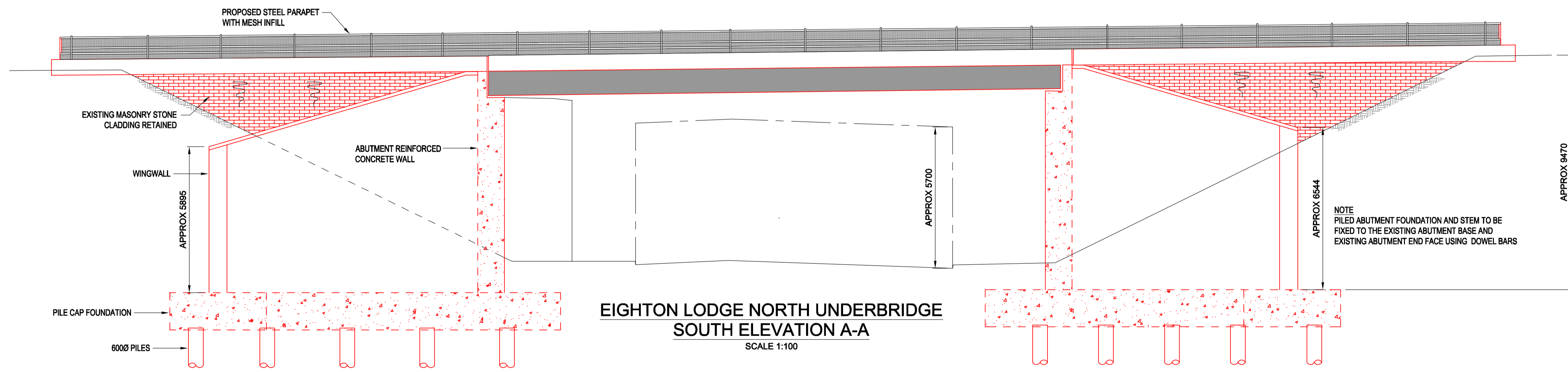
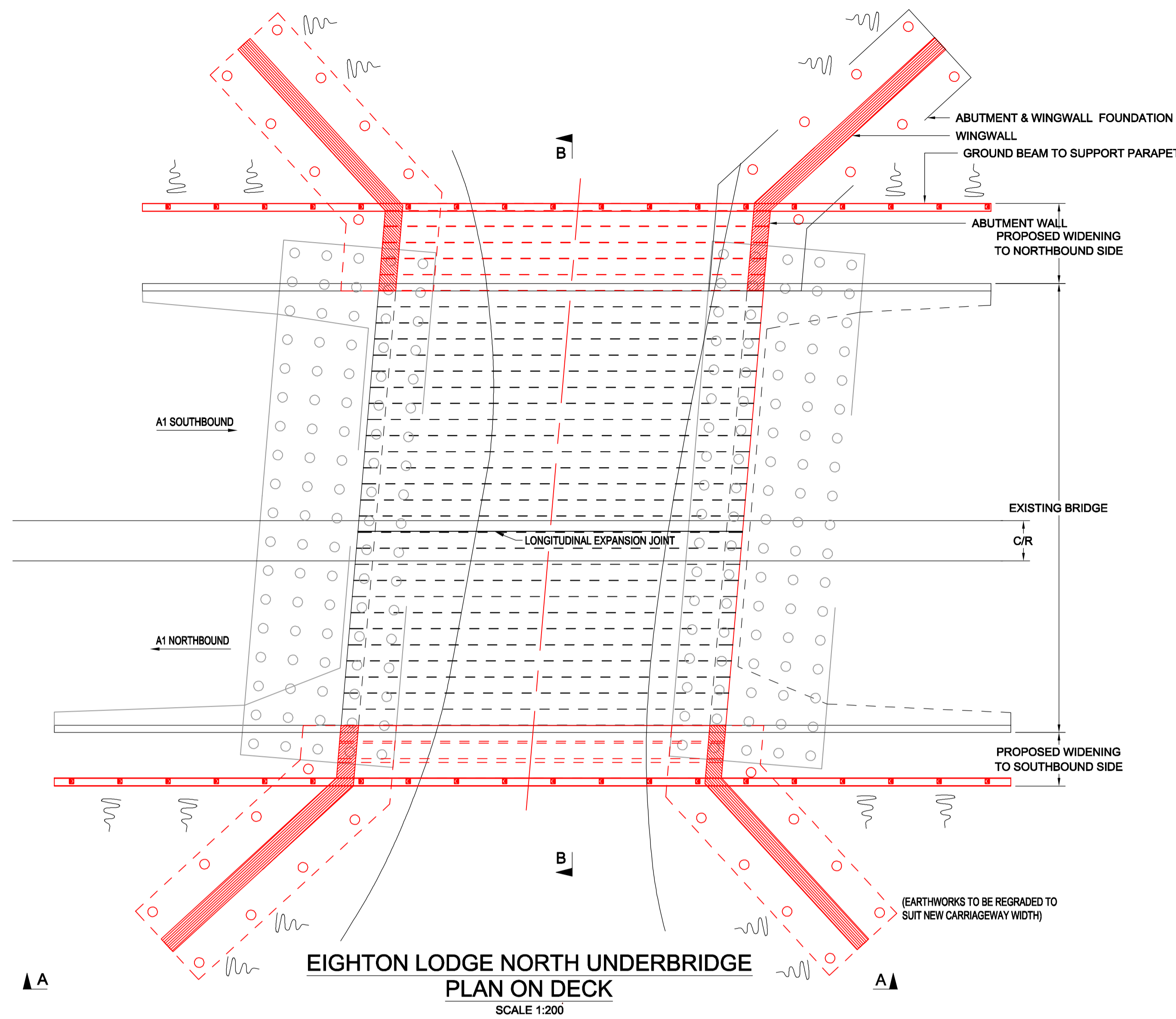
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STRUCTURES ENGINEERING DRAWINGS  
& SECTIONS REGULATION 5(2)(o)  
EIGHTON LODGE SLIP ROAD UNDERBRIDGE  
(SHEET 6 OF 13)

Scale	Drawn	Eng. Check	Approved	Authorised
N/A	---	---	---	---

Original Size	Date	Date	Date	Date
A1	---	---	---	---

Drawing Number	Originator	Volume	Revision
HE551462	WSP	LSI	0

1. ALL DIMENSION ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
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.



SCALE 1:75 0 750 1500

SCALE 1:100 0 1000 2000

SCALE 1:200 0 2000 2500

Rev.	Date	Description	By	Eng/Chk	Disc/Chk	App'd	Status
0	15/05/19	APPLICATION ISSUE		PG	PG		

Application Issue SO

PINS Reference Number TR010031/APP/2.7(H)

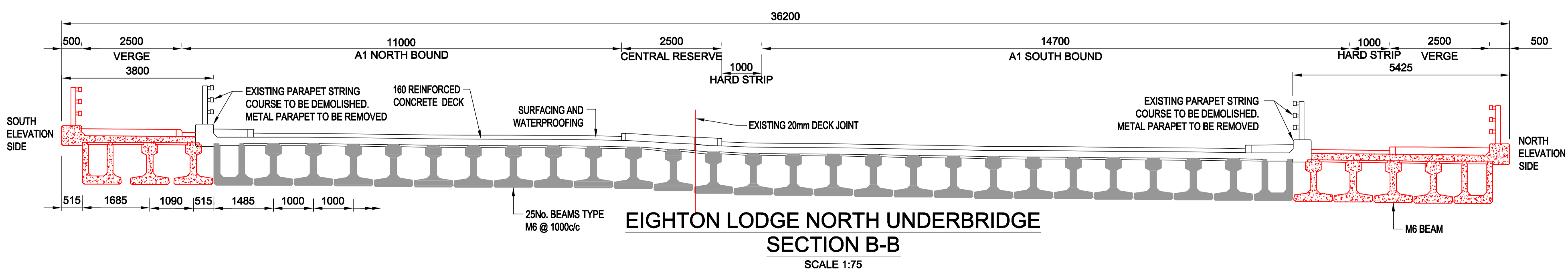


Project Title A1 BIRTLEY TO COAL HOUSE

Drawing Title STRUCTURES ENGINEERING DRAWINGS & SECTIONS REGULATION 5(2)(o) EIGHTON LODGE NORTH UNDERBRIDGE (SHEET 7 OF 13)

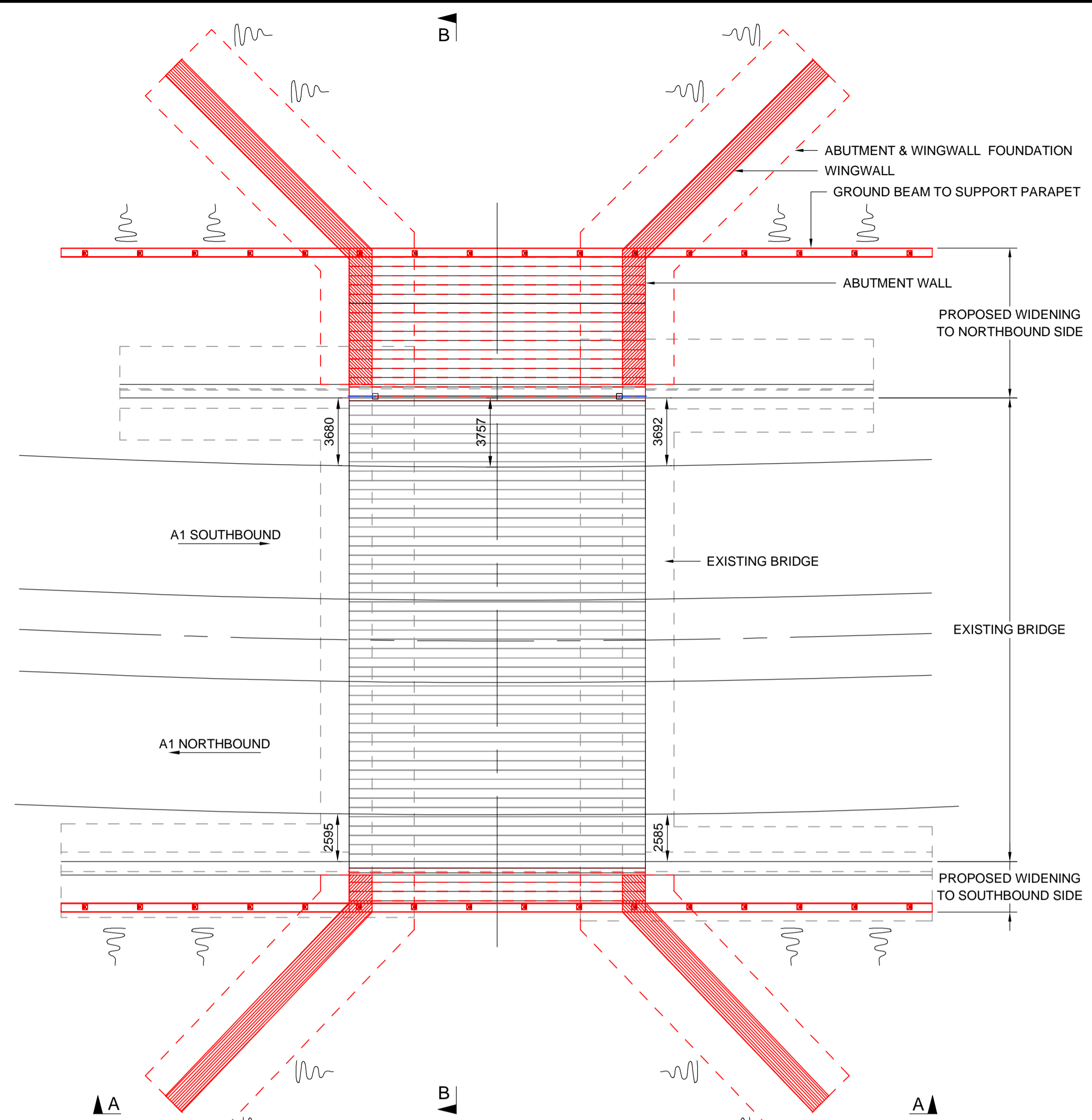
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Section	Type	Role	Number
ZZ	DR	ZL	45016
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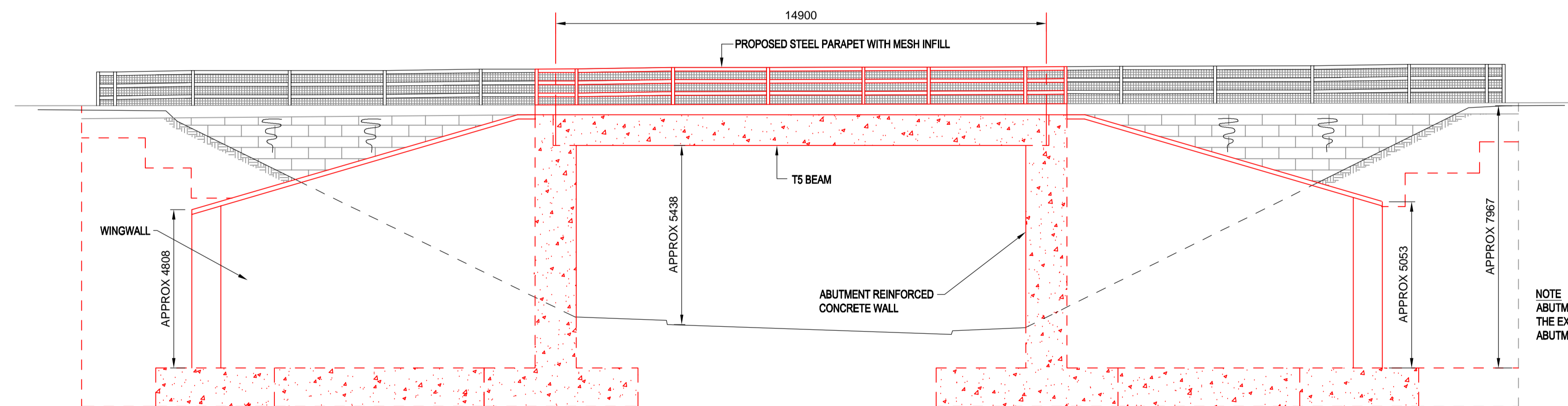


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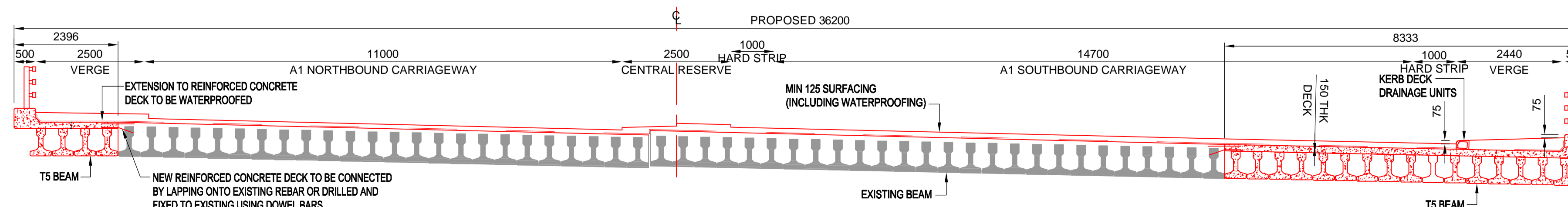


**EIGHTON LODGE SOUTH UNDERBRIDGE  
PLAN ON DECK**  
SCALE 1:200



**EIGHTON LODGE SOUTH UNDERBRIDGE  
SOUTH ELEVATION A-A**  
SCALE 1:100

NOTE  
ABUTMENT FOUNDATION AND STEM TO BE FIXED TO THE EXISTING ABUTMENT BASE AND EXISTING ABUTMENT END FACE USING DOWEL BARS



**EIGHTON LODGE SOUTH UNDERBRIDGE  
SECTION B-B**  
SCALE 1:75

SCALE 1:75 0 750 1500

SCALE 1:100 0 1000 2000

SCALE 1:200 0 2000 2500

Rev.	Date	Description	By	Eng/Chk	Disc/Chk	App'd	Status
0	15/05/19	APPLICATION ISSUE					PG PG

Application Issue S0

PINS Reference Number  
**TR010031/APP/2.7(I)**



Project Title  
**A1 BIRTLEY TO COAL HOUSE**

Drawing Title  
**STRUCTURES ENGINEERING DRAWINGS  
& SECTIONS REGULATION 5(2)(o)  
EIGHTON LODGE SOUTH UNDERBRIDGE  
(SHEET 8 OF 13)**

Scale	Drawn	Eng. Check	Approved	Authorised
N/A	---	---	---	---

Original Size	Date	Date	Date	Date
A1	---	---	---	---

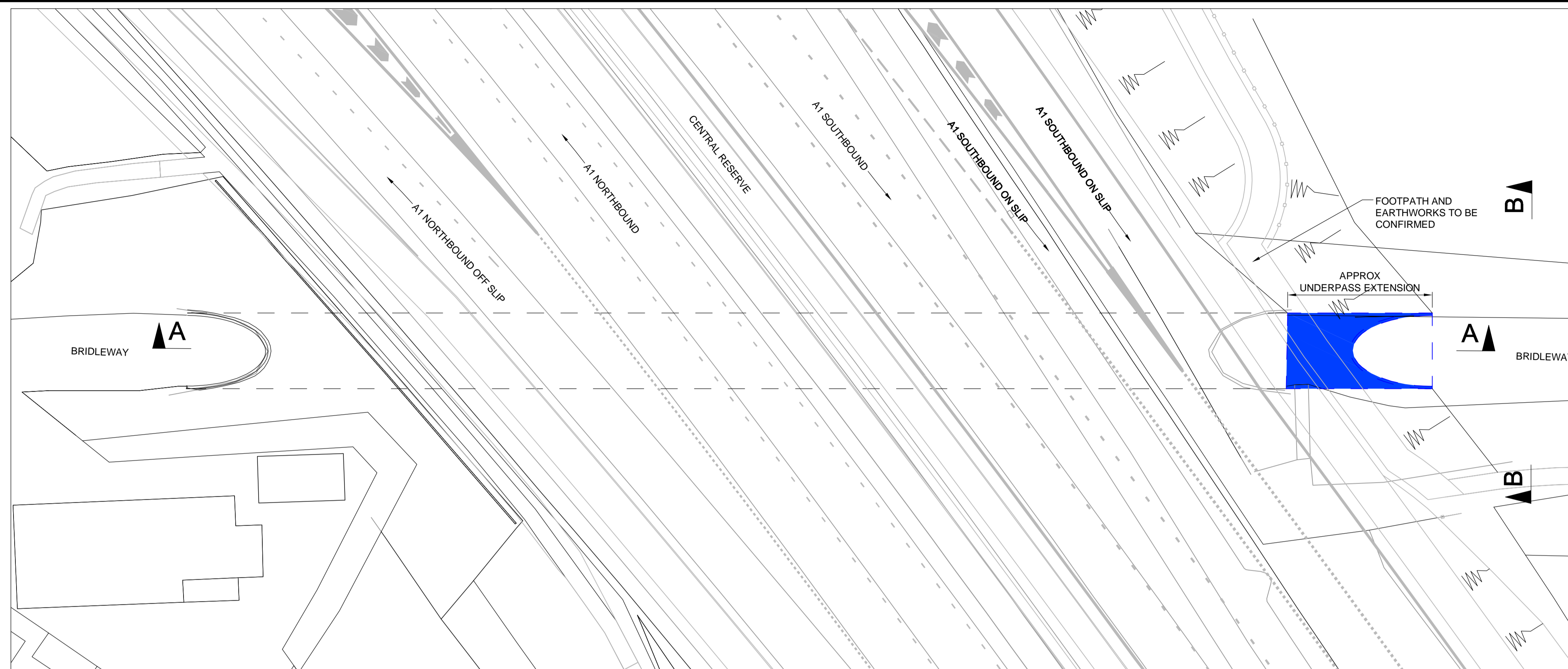
Drawing Number	Originator	Volume	Revision
HE551462	WSP	LSI	0

**NOTES:**

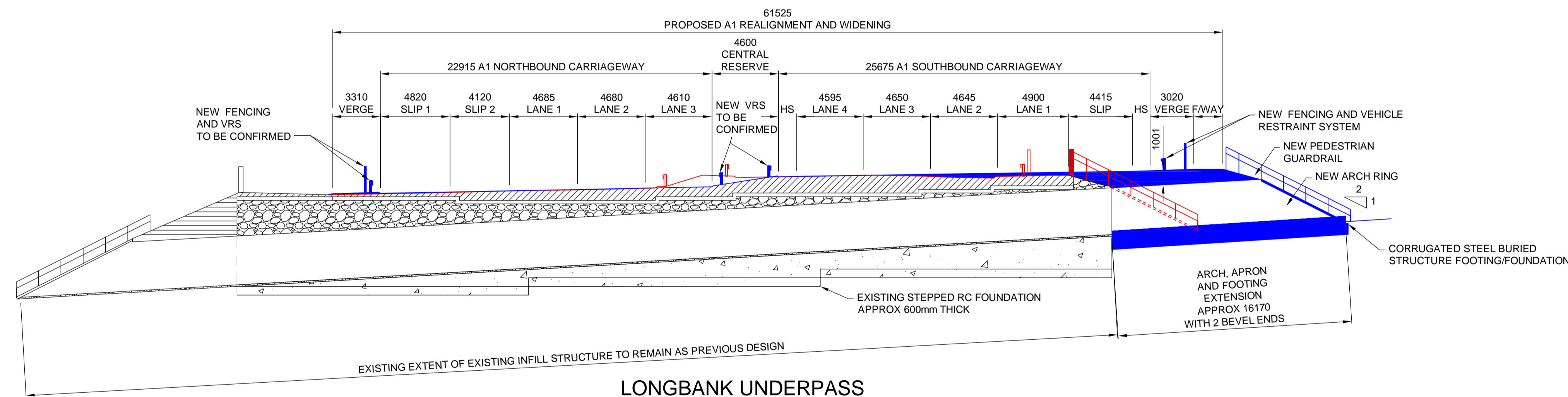
1. ALL DIMENSION ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. ALL LEVELS AND CHAINAGES ARE IN METRES UNLESS NOTED OTHERWISE.
3. DO NOT SCALE. IN CASE OF DOUBTS, OMISSIONS OR ERRORS SEEK CLARIFICATION FROM THE DESIGNER.

**KEY:**

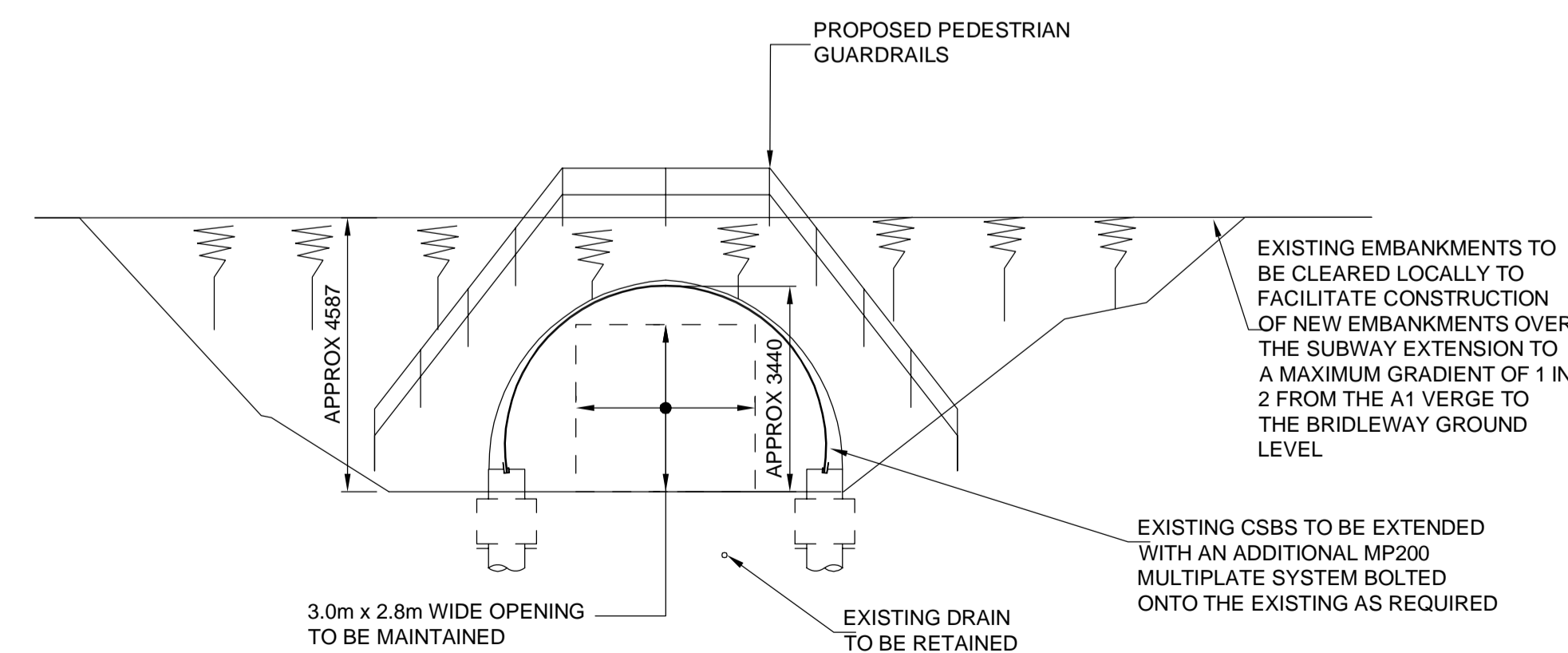
- VRS - VEHICLE RESTRAINT SYSTEM
- CSBS - CORRUGATED STEEL BURIED STRUCTURE
- EXISTING, TO BE REMOVED
- PROPOSED EXTENSION



**Longbank Underpass**  
**PLAN**  
 SCALE 1:200



**Longbank Underpass**  
**SECTION A-A**  
 SCALE 1:100



**Longbank Underpass**  
**EAST ELEVATION B-B**  
 SCALE 1:100

SCALE 1:100 0 1000 2000

SCALE 1:200 0 2000 2500

Rev.	Date	Description	By	Eng/Chk	Disc/Chk	App'd	Status
0	15/05/19	APPLICATION ISSUE					PG PG

Suitability: Application Issue Status: S0

PINS Reference Number: TR010031/APP/2.7(J)



Client: A1 BIRTLEY TO COAL HOUSE

Project Title: STRUCTURES ENGINEERING DRAWINGS & SECTIONS REGULATION 5(2)(o) LONGBANK UNDERPASS (SHEET 9 OF 13)

Scale	Drawn	Eng. Check	Approved	Authorised
N/A	---	---	---	---

Original Size	Date	Date	Date	Date
A1	---	---	---	---

Drawing Number	Originator	Volume	Revision
HE551462	WSP	LSI	0

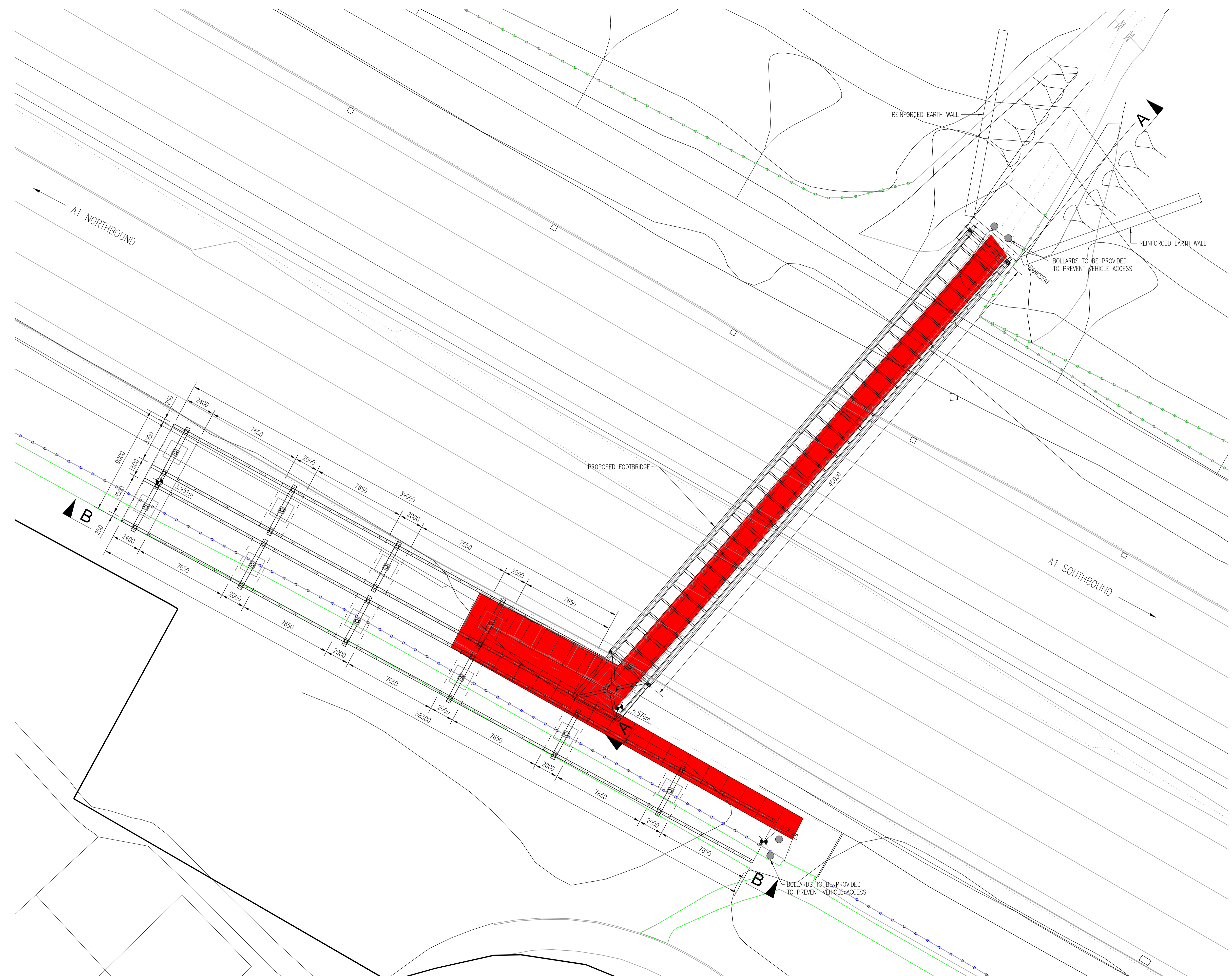


**NOTES:**

1. ALL DIMENSION ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
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.

**KEY:**

EXISTING FOOTBRIDGE TO BE REPLACED



**NORTH DENE FOOTBRIDGE (GRADIENT 1:12)**  
**PLAN**  
 SCALE 1:150

SCALE 1:150 0 1500 3000

Rev.	Date	Description	By	Eng. Chk	Disc. Chk	App'd
0	15/05/19	APPLICATION ISSUE			PG	PG

Suitability	Application Issue	Status	S0
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PINS Reference Number  
**TR010031/APP/2.7(K)**



Project Title  
**A1 BIRTLEY TO COAL HOUSE**

Drawing Title  
**STRUCTURES ENGINEERING DRAWINGS  
 & SECTIONS REGULATION 5(2)(o)  
 NORTH DENE FOOTBRIDGE  
 (SHEET 10 OF 13)**

Scale	Drawn	Eng. Check	Approved	Authorised
N/A	---	---	---	---
Original Size	Date	Date	Date	Date
A1	---	---	---	---

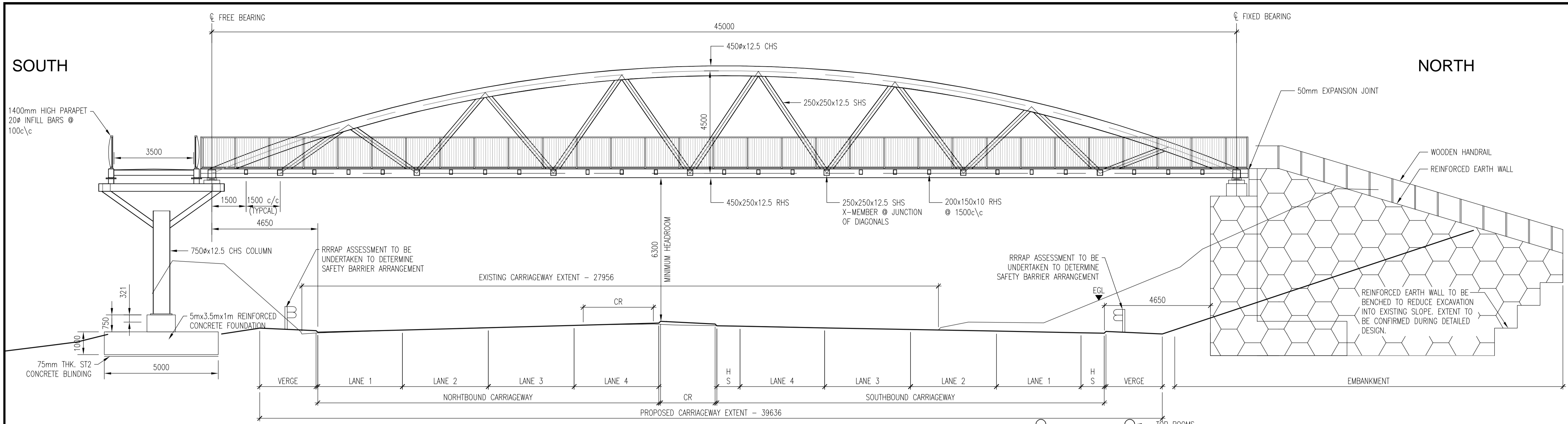
Drawing Number HE PIN <b>HE551462</b>	Originator <b>WSP</b>	Volume <b>LSI</b>	Revision <b>0</b>
Section <b>ZZ</b>	Type <b>DR</b>	Role <b>ZL</b>	Number <b>45019</b>
PW Stage Code <b>3</b>			

**NOTES:**

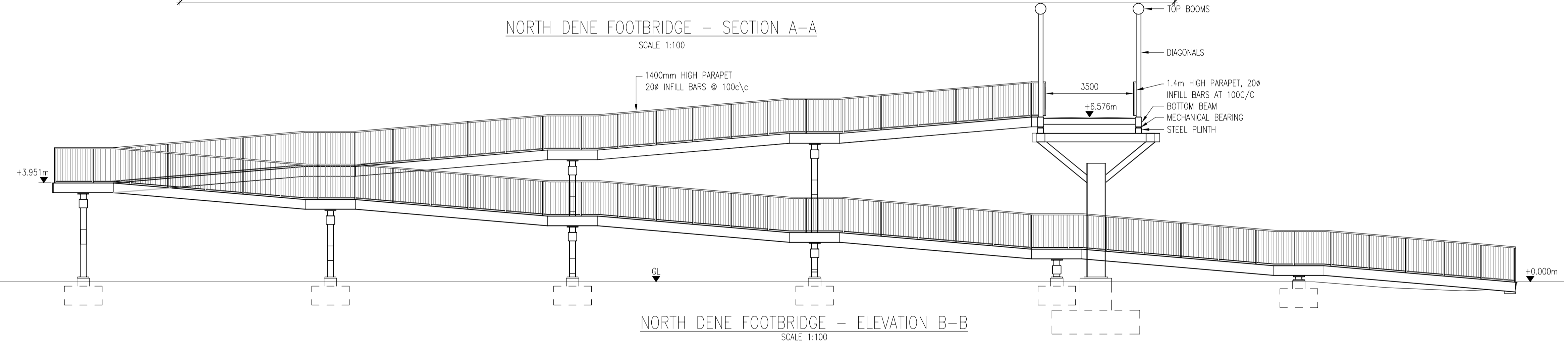
1. ALL DIMENSION ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. ALL LEVELS AND CHAINAGES ARE IN METRES UNLESS NOTED OTHERWISE.
3. DO NOT SCALE. IN CASE OF DOUBTS, OMISSIONS OR ERRORS SEEK CLARIFICATION FROM THE DESIGNER.

**KEY:**

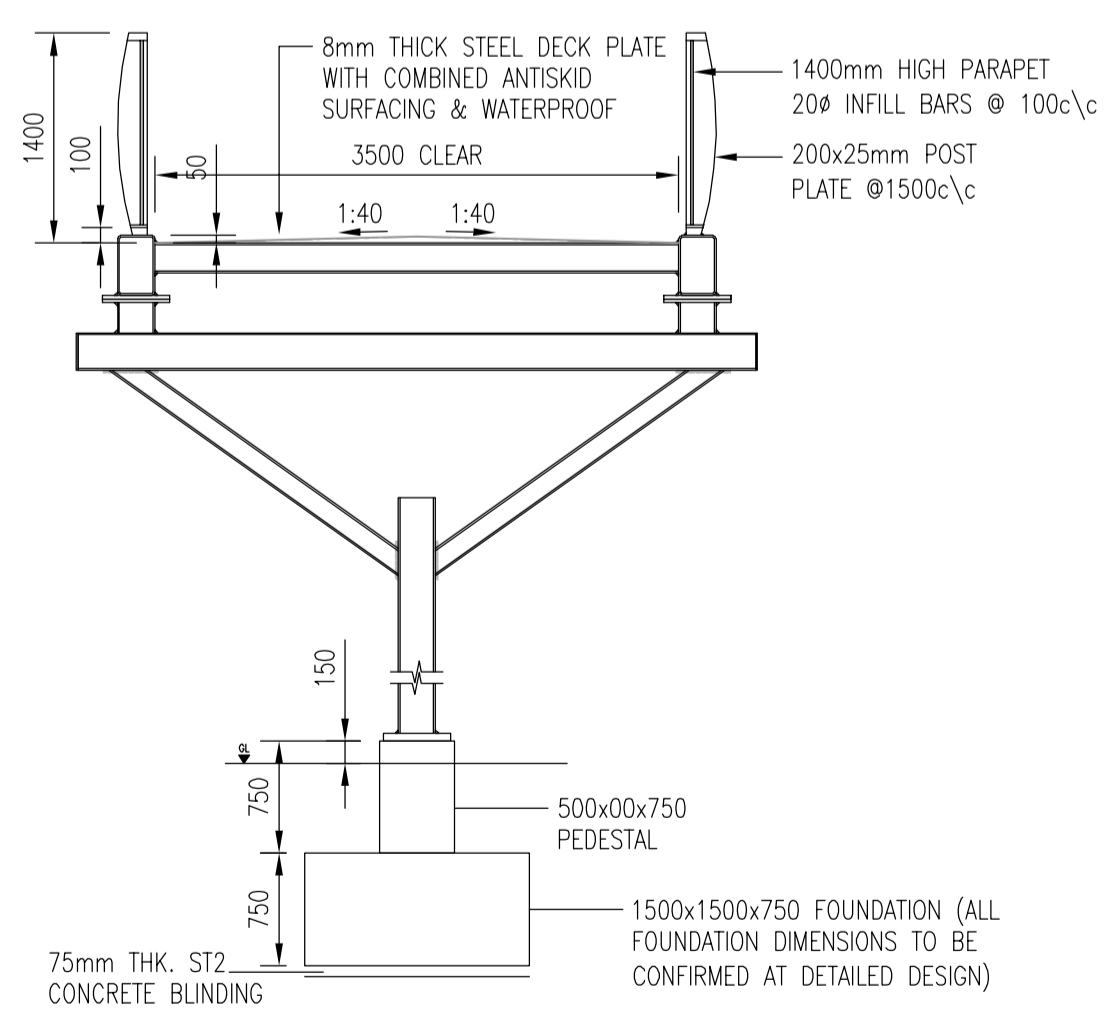
- SQS - SQUARE HOLLOW SECTION
- RHS - RECTANGULAR HOLLOW SECTION
- CHS - CIRCULAR HOLLOW SECTION
- RRRAP - ROAD RESTRAINT RISK ASSESSMENT PROCESS



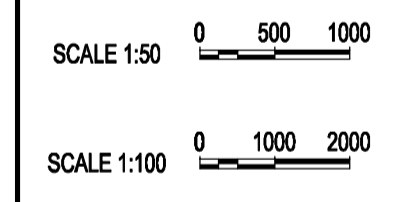
**NORTH DENE FOOTBRIDGE - SECTION A-A**  
SCALE 1:100



**NORTH DENE FOOTBRIDGE - ELEVATION B-B**  
SCALE 1:100



**NORTH DENE FOOTBRIDGE - TYPICAL SECTION THROUGH RAMP**  
SCALE 1:50



Rev.	Date	Description	By	Eng/Chk	Disc/Chk	App'd
0	15/05/19	APPLICATION ISSUE		PG	PG	

Suitability: Application Issue Status: S0

PINS Reference Number: TR010031/APP/2.7(L)



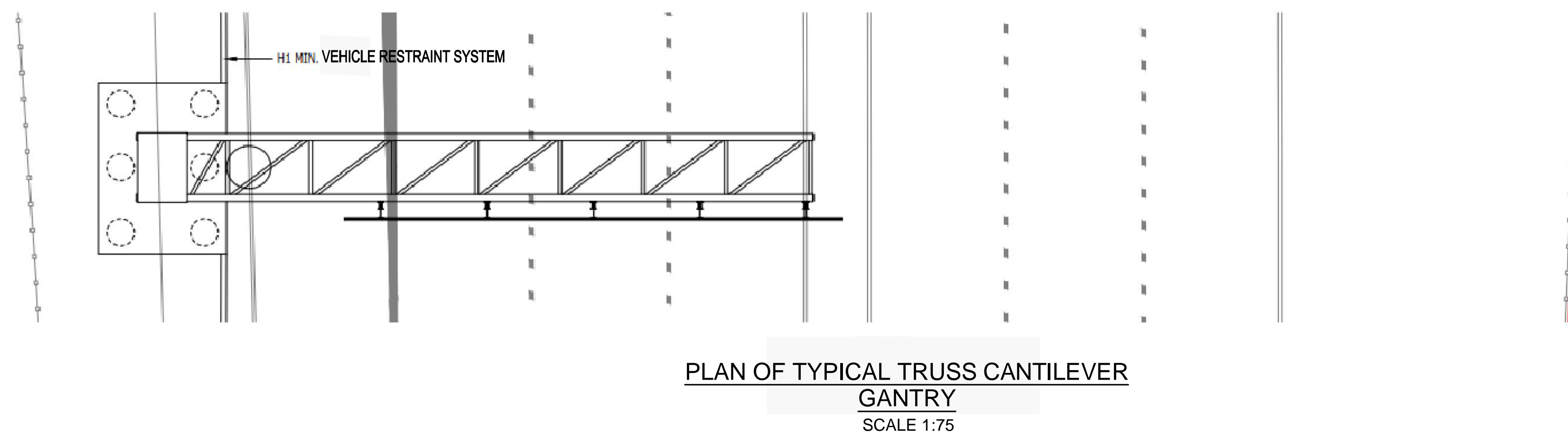
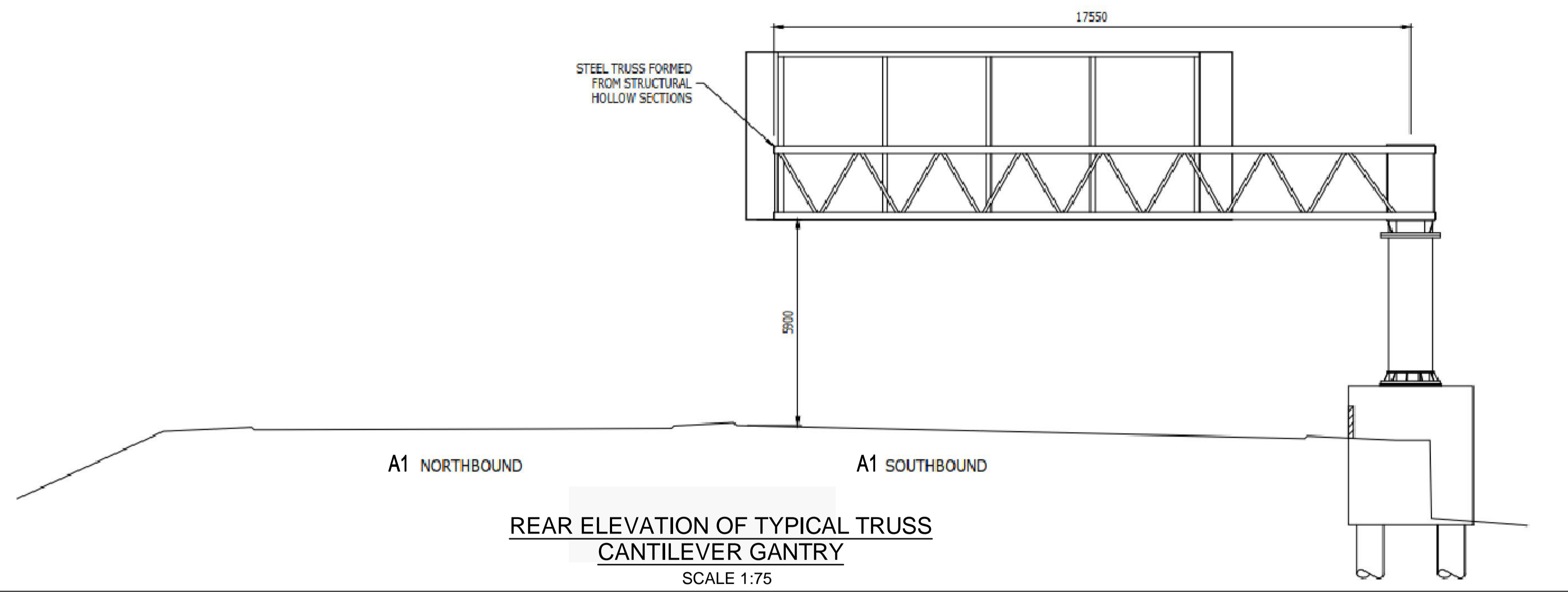
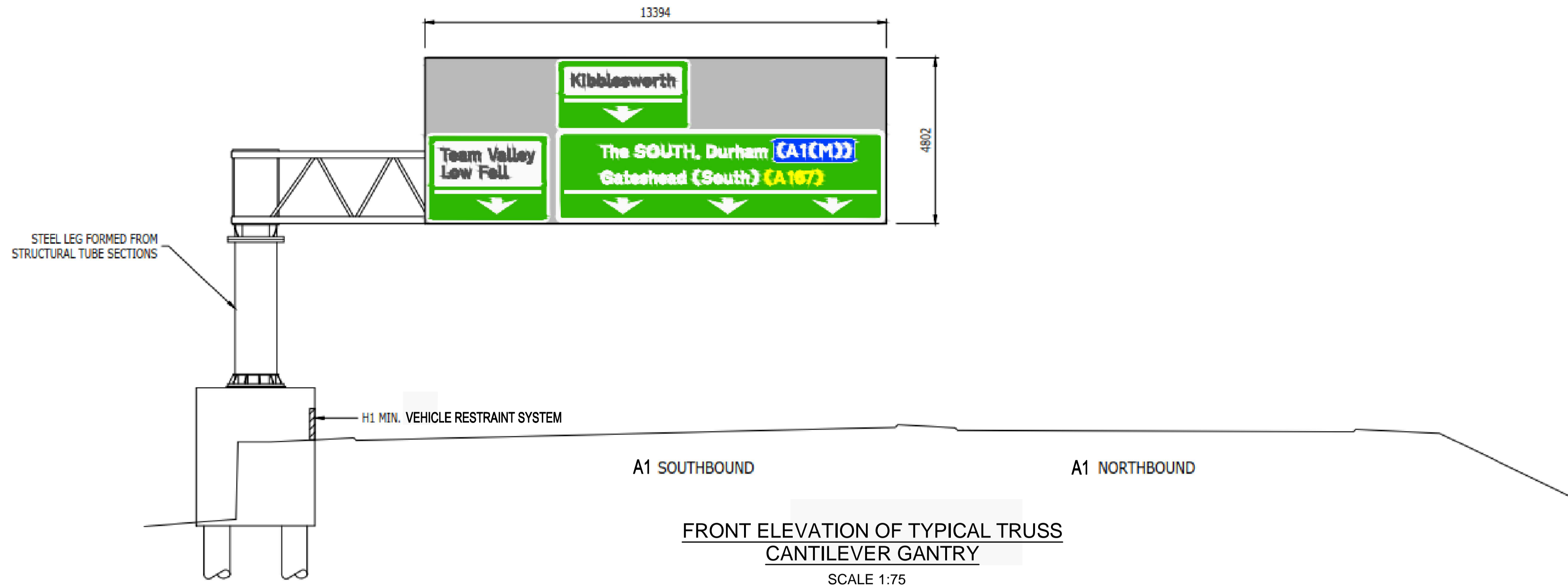
Project Title: A1 BIRTLEY TO COAL HOUSE

Drawing Title: STRUCTURES ENGINEERING DRAWINGS & SECTIONS REGULATION 5(2)(o) NORTH DENE FOOTBRIDGE (SHEET 11 OF 13)

Scale	Drawn	Eng. Check	Approved	Authorised
N/A	---	---	---	---
Original Size	Date	Date	Date	Date
A1	---	---	---	---
Drawing Number	Originator	Volume	Revision	
HE551462	WSP	LSI	0	
Section	Type	Role	Number	PW Stage Code
ZZ	DR	ZL	45020	3

NOTES:

1. ALL DIMENSION ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
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.
4. TEXT ON THE GANTRY SIGNS IS INDICATIVE



SCALE 1:75 0 750 1500

Rev.	Date	Description	By	Eng/Chk	Disc/Chk	App'd
0	15/05/19	APPLICATION ISSUE				

Application Issue S0

PINS Reference Number  
TR010031/APP/2.7(M)



Project Title  
A1 BIRTLEY TO COAL HOUSE

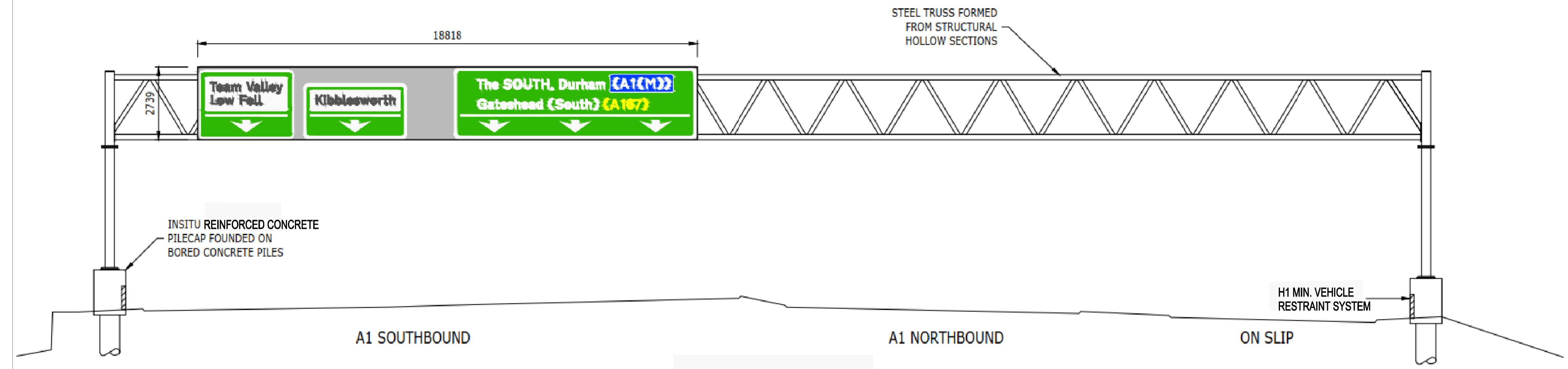
Drawing Title  
STRUCTURES ENGINEERING DRAWINGS & SECTIONS REGULATION 5(2)(o)  
TYPICAL ADS GANTRY - TRUSS CANTILEVER TYPE (SHEET 12 OF 13)

Scale	Drawn	Eng. Check	Approved	Authorised
N/A	---	---	---	---
Original Size	Date	Date	Date	Date
A1	---	---	---	---

Drawing Number	Originator	Volume	Revision
HE551462	WSP	LSI	0
Section	Type	Role	Number
ZZ	DR	ZL	45021
			3

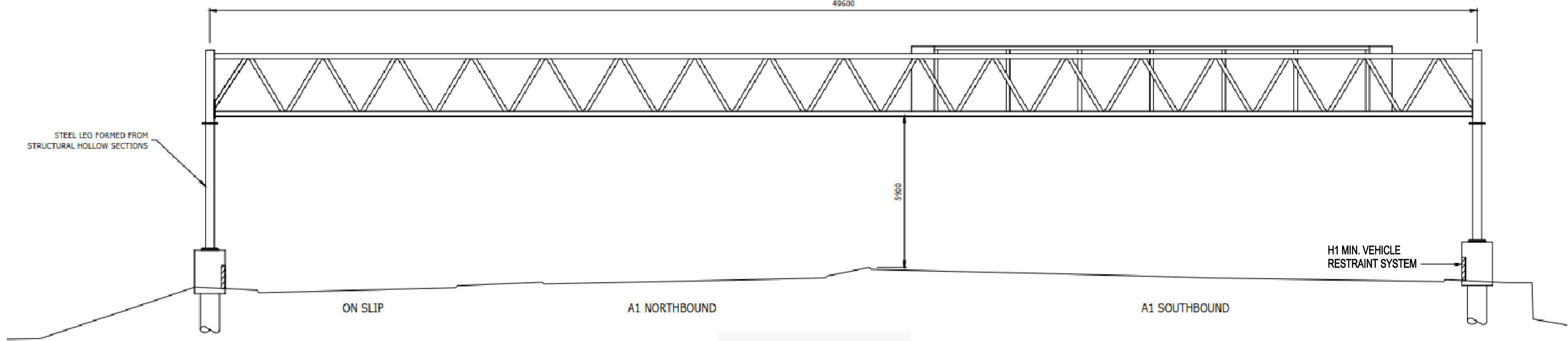
**NOTES:**

1. ALL DIMENSION ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
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.
4. TEXT ON THE GANTRY SIGNS IS INDICATIVE.



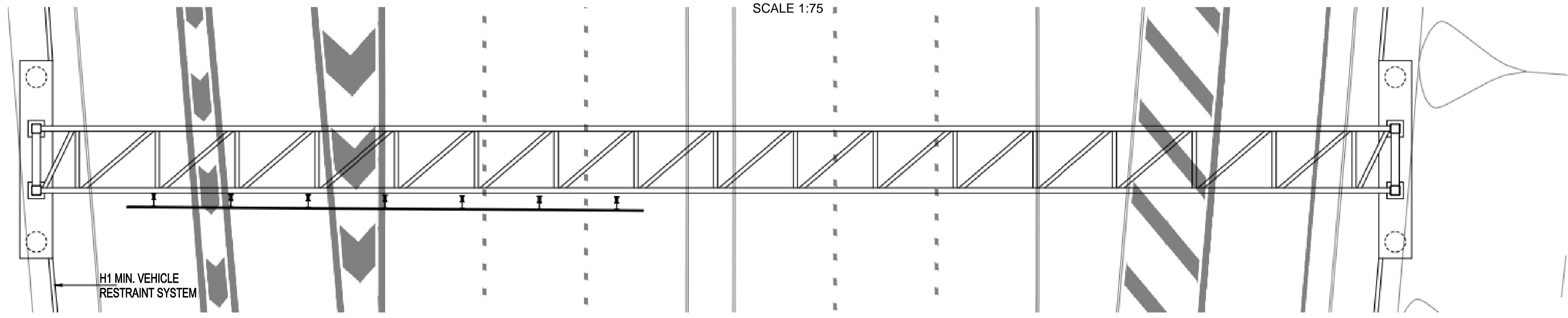
**FRONT ELEVATION OF TYPICAL SUPER-SPAN GANTRY**

SCALE 1:75



**REAR ELEVATION OF TYPICAL SUPER-SPAN GANTRY**

SCALE 1:75



**PLAN OF TYPICAL SUPER-SPAN GANTRY**

SCALE 1:75

SCALE 1:75 0 750 1500

Rev.	Date	Description	By	Eng. Chk	Disc. Chk	App'd
0	15/05/19	APPLICATION ISSUE		PG	PG	

Suitability	Application Issue	Status	S0
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PINS Reference Number  
TR010031/APP/2.7(N)



Project Title  
A1 BIRTLEY TO COAL HOUSE

Drawing Title  
STRUCTURES ENGINEERING DRAWINGS & SECTIONS REGULATION 5(2)(o)  
TYPICAL ADS GANTRY PORTAL TYPE  
(SHEET 13 OF 13)

Scale	Drawn	Eng. Check	Approved	Authorised
N/A	---	---	---	---
Original Size	Date	Date	Date	Date
A1	---	---	---	---

Drawing Number HE551462	Originator WSP	Volume LSI	Revision 0
ZZ	DR	ZL	45022
Section	Type	Role	Number
			3