

**Lower Thames Crossing
2.13 Structures Plans
Volume B (sheets 12 to 79)**

APFP Regulation 5(2)(o)

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

Volume 2

DATE: October 2022

Planning Inspectorate Scheme Ref: TR010032
Application Document Ref: TR010032/APP/2.13

VERSION: 1.0

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Lower Thames Crossing

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1 Introduction

- 1.1.1 This document is submitted to the Planning Inspectorate on behalf of the Secretary of State in relation to an application made by National Highways (the Applicant) under section 37 of the Planning Act 2008.
- 1.1.2 The application is for the grant of development consent for the A122 Lower Thames Crossing. Should development consent be granted, the draft A122 (Lower Thames Crossing) Development Consent Order (Application Document 3.1) (the draft Order) will be made by the Secretary of State (subject to any modifications considered appropriate).
- 1.1.3 This document comprises part of the suite of application documentation and is included in the application to comply with Regulations 5(2)(o) and 5(4) of the Infrastructure Planning (Applications: Prescribed Forms and Procedures) Regulations 2009, which require:
- 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.*
- 5(4) 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 The purpose of the Structures Plans is to show the design and location of key features of the Project: namely, proposed new and modified bridges, the tunnel structures (south tunnel portal, north tunnel portal, bored tunnels and the ground protection tunnel), generic details of field bridges and bat barns and the three different types of gantries.
- 1.1.5 The set includes references to the numbered works, which can be found in the Works Plans (Application Document 2.6) and in Schedule 1 (Application Document 3.1). The work number for each structure is shown in the structures location key plans (sheets 1 to 11) and on each corresponding sheet.
- 1.1.6 The information shown on the plans is commensurate with the preliminary design status of the Project and the detailed design will be in accordance with the extent of the defined limits of deviation provided and any approval required under the DCO requirements set out in Schedule 2 of the draft Order (Application Document 3.1).
- 1.1.7 The lateral limits of deviation for the works are shown in the Works Plans (Application Document 2.6) and in the Tunnel Limits of Deviation (Application Document 2.15); article 6 of the draft Order establishes the vertical limits of deviation. Further information about the limits of deviation is provided in the Introduction to the Application (Application Document 1.3).
- 1.1.8 The key plan and the structures location plans (sheets 1 to 11) use a smaller scale than that prescribed in Regulation 5(3) of the 2009 Regulations so that the Project, or the section of the Project, can be represented on a single sheet plan. The scales in the key plans vary from 1:50,000 to 1:5,000. The remaining sheets in the set containing the plan and profiles and the cross sections have

been prepared at various scales, according to the level of detail required, varying between 1:2,000 and 1:25.

- 1.1.9 The Applicant has prepared a tailored legend for the plans showing the proposed bridges arrangement as some elements of the design vary between the different type of structures. However, the same design features are shown where relevant: namely, the bridge abutments, the piers, Network Rail boundary, flood levels, the finished road level, and, for the modified bridges, the existing part of the section.
- 1.1.10 The Structures Plans show the Order Limits and the relevant local authority boundaries for clarity. In this plan set, 'the Order Limits' mean the limits of lands to be acquired or used, permanently or temporarily, within which the authorised development may be carried out (see article 2 of the draft Order (Application 3.1)).
- 1.1.11 As this document has been informed by and is part of the application documentation it should be read alongside the other application documents. In particular, the plans should be read alongside the Works Plans (Application Document 2.6) and Schedule 1 of the draft Order (Application Document 3.1).
- 1.1.12 To ensure that the file size of this document does not exceed the 50MB limit prescribed by the Planning Inspectorate, the set has been split into two volumes: volume A contains the key plans and volume B the subsequent sheets 12 to 79.

2 Schedule of Plans included in this application document

Document Title	Document Number	Revision
STRUCTURES PLANS 5(2)(o) STRUCTURES LOCATION KEY PLAN	TR010032/APP/2.13	P01
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STRUCTURES PLANS 5(2)(o) WORK NO. 2B SHEET 22	TR010032/APP/2.13	P01

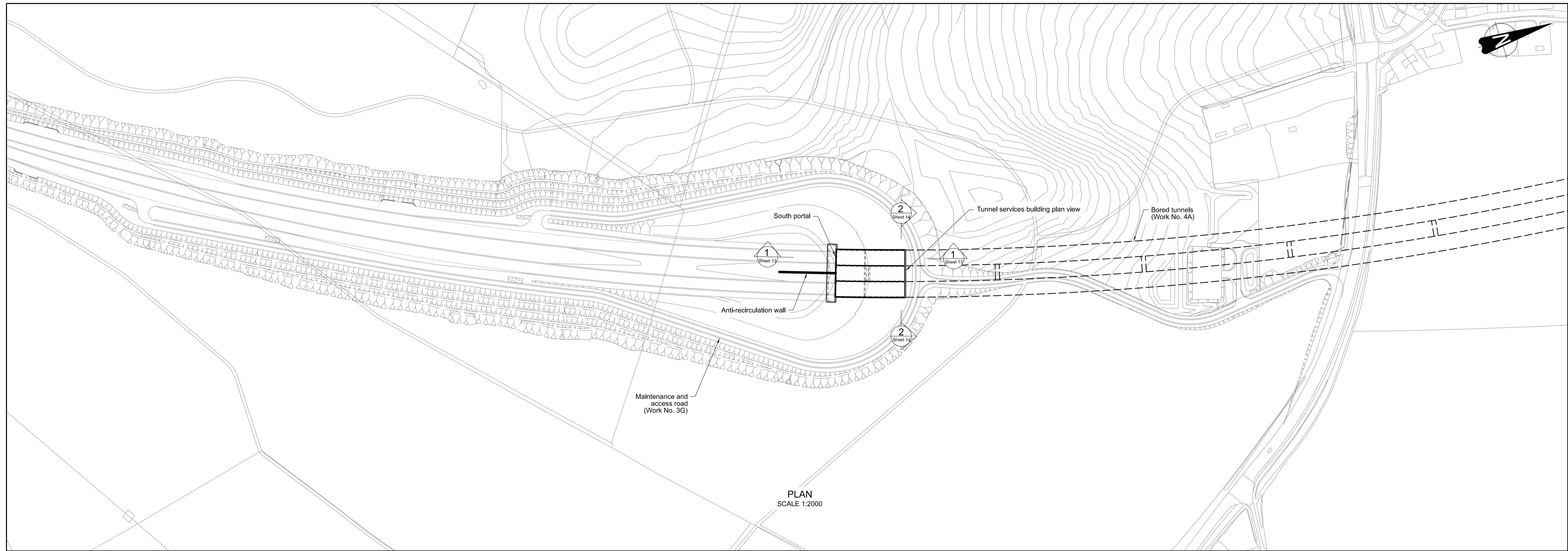
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STRUCTURES PLANS 5(2)(o) WORK NO. 2D SHEET 24	TR010032/APP/2.13	P01
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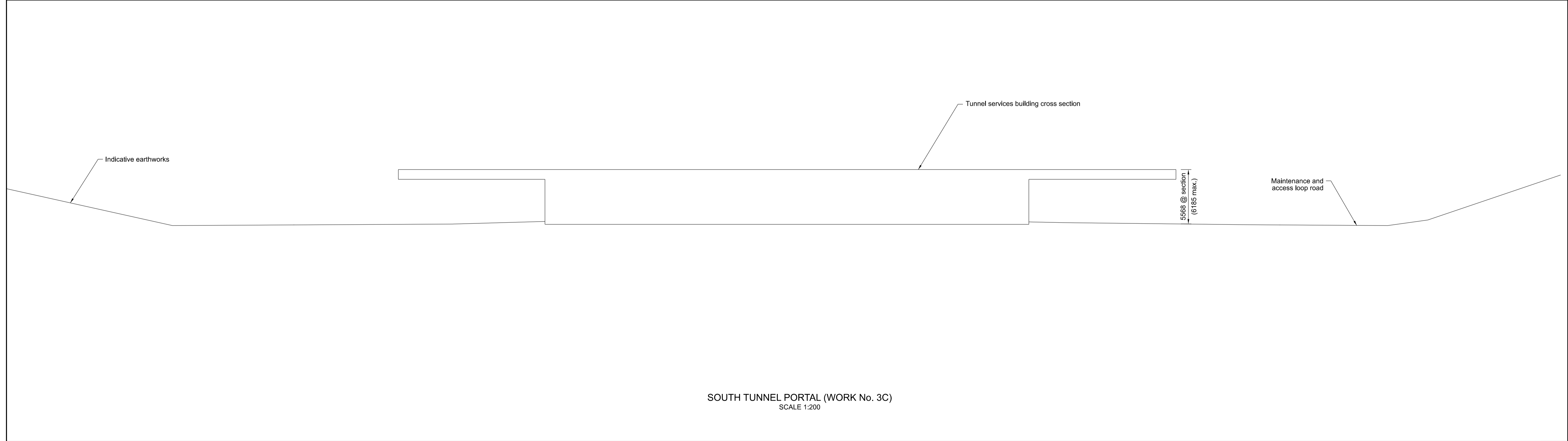
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STRUCTURES PLANS 5(2)(o) TYPICAL BAT BARN SHEET 79	TR010032/APP/2.13	P01



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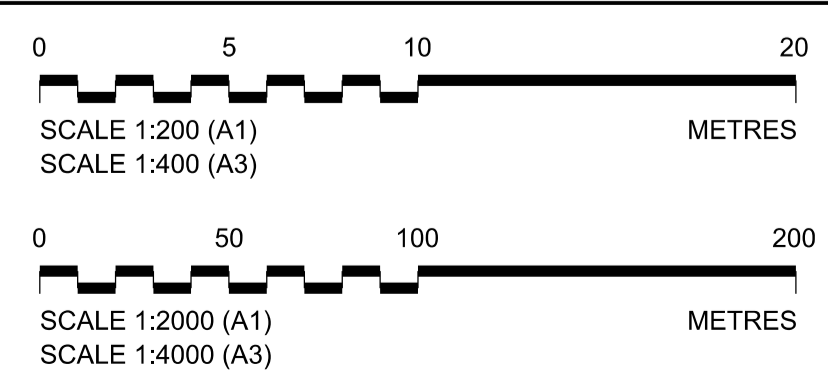
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P01	SB	19/10/2022	DCO Application	RT	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

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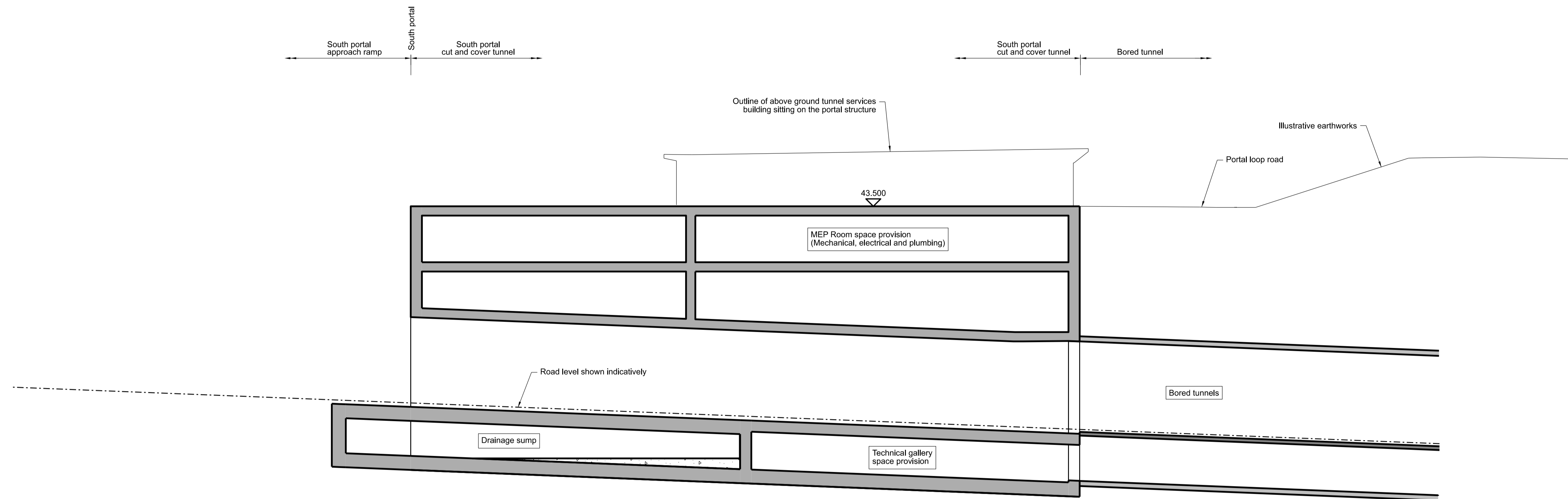
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Client

Project
LOWER THAMES CROSSING

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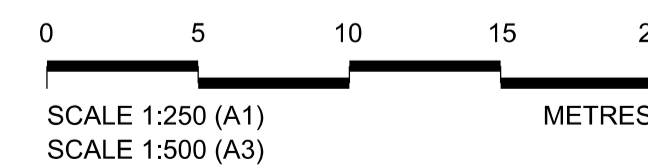
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SOUTH TUNNEL PORTAL (WORK No. 3C)

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NOTES:

1. The design and location of the structure is shown here for illustrative purposes only and will be subject to detailed design development in accordance with the provisions of the Development Consent Order (TR010032/APP/3.1).
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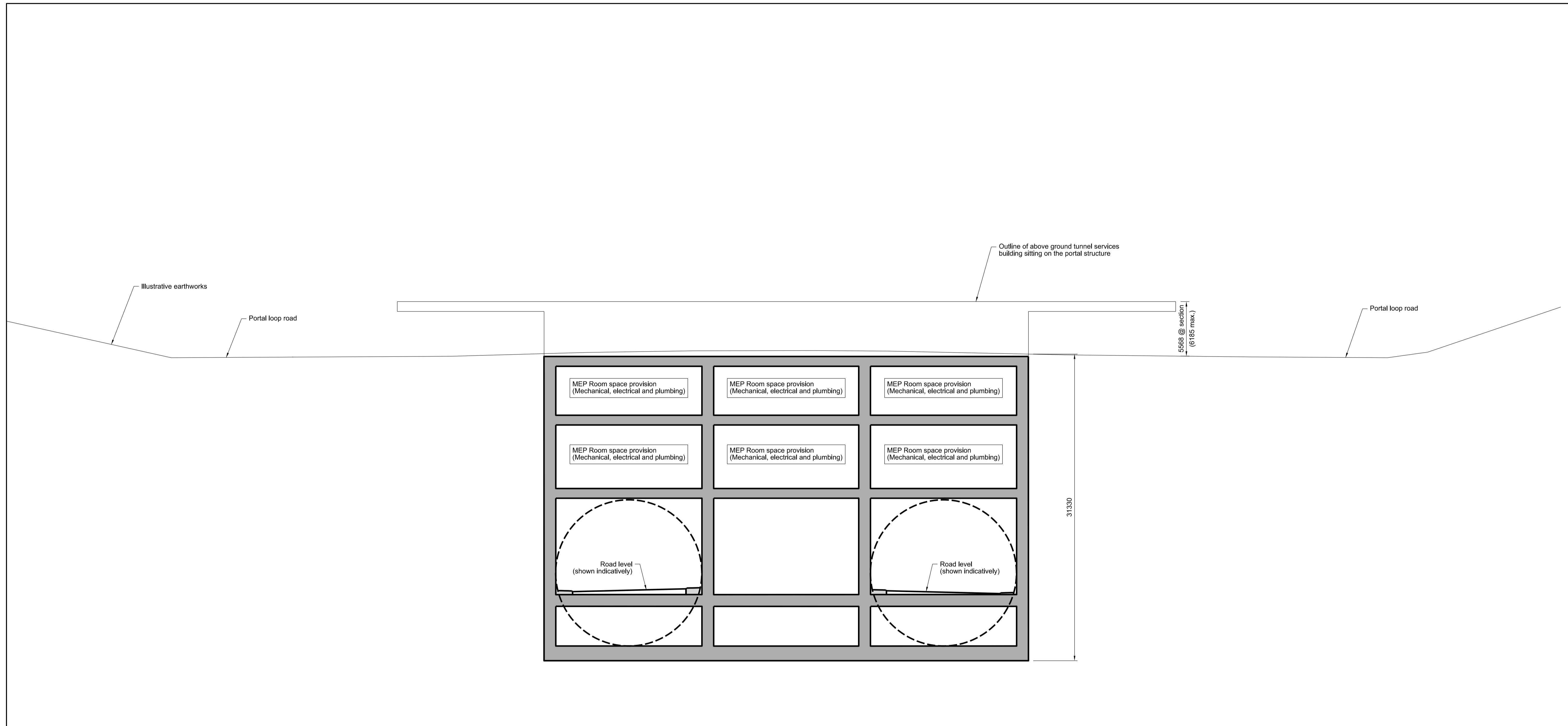


P01	SB	19/10/2022	DCO Application	RT	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

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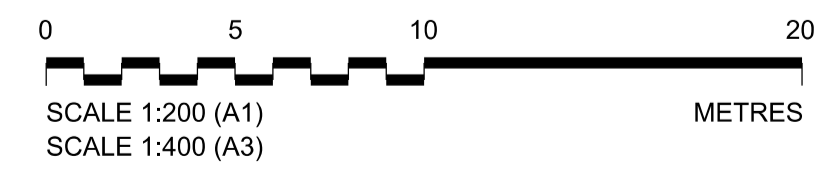
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SOUTH TUNNEL PORTAL (WORK No. 3C)

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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

- NOTES:
- The design and location of the structure is shown here for illustrative purposes only and will be subject to detailed design development in accordance with the provisions of the Development Consent Order (TR010032/APP/3.1).
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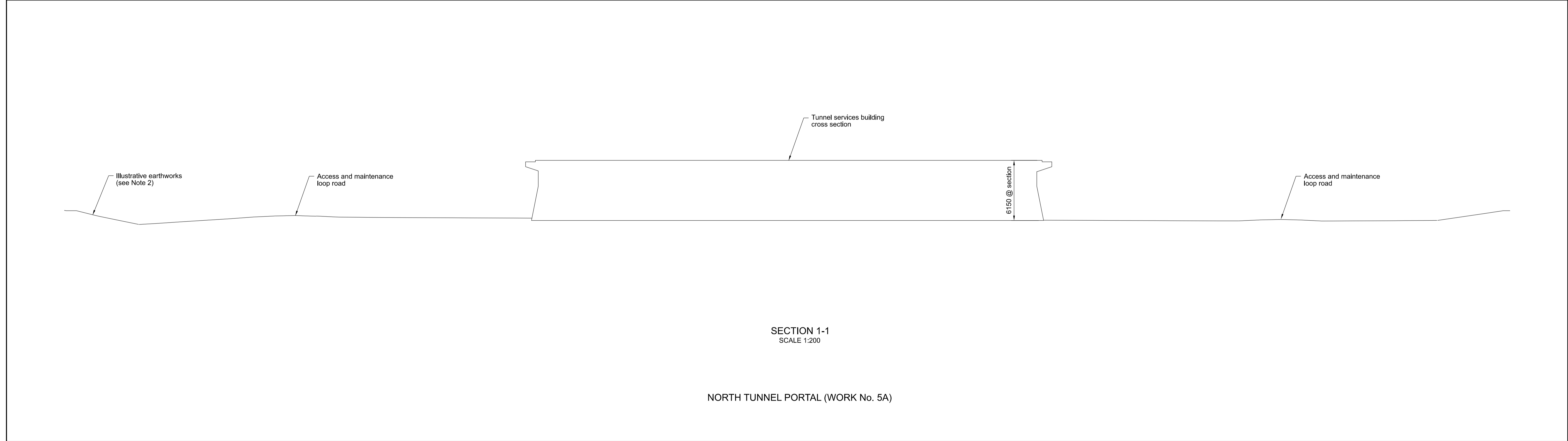
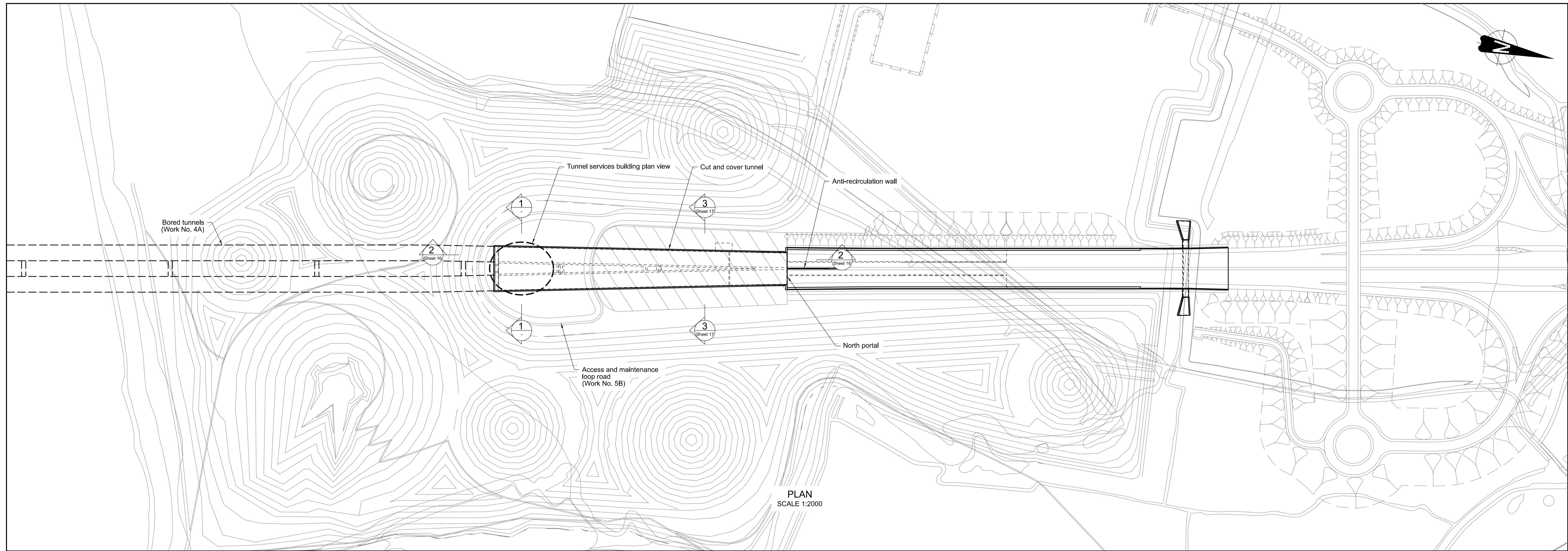


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Project

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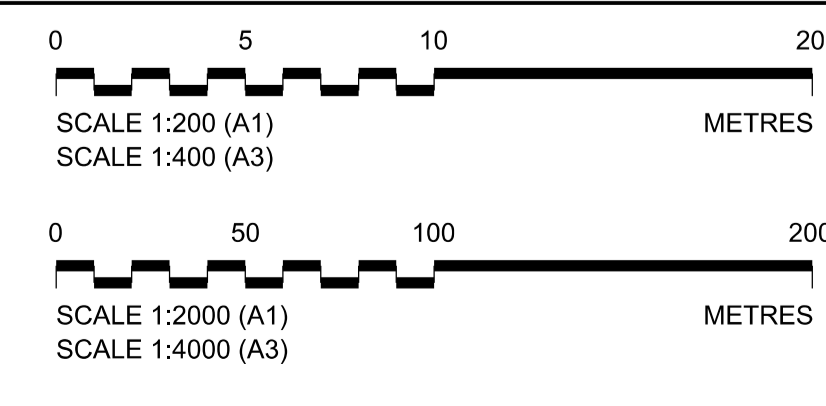
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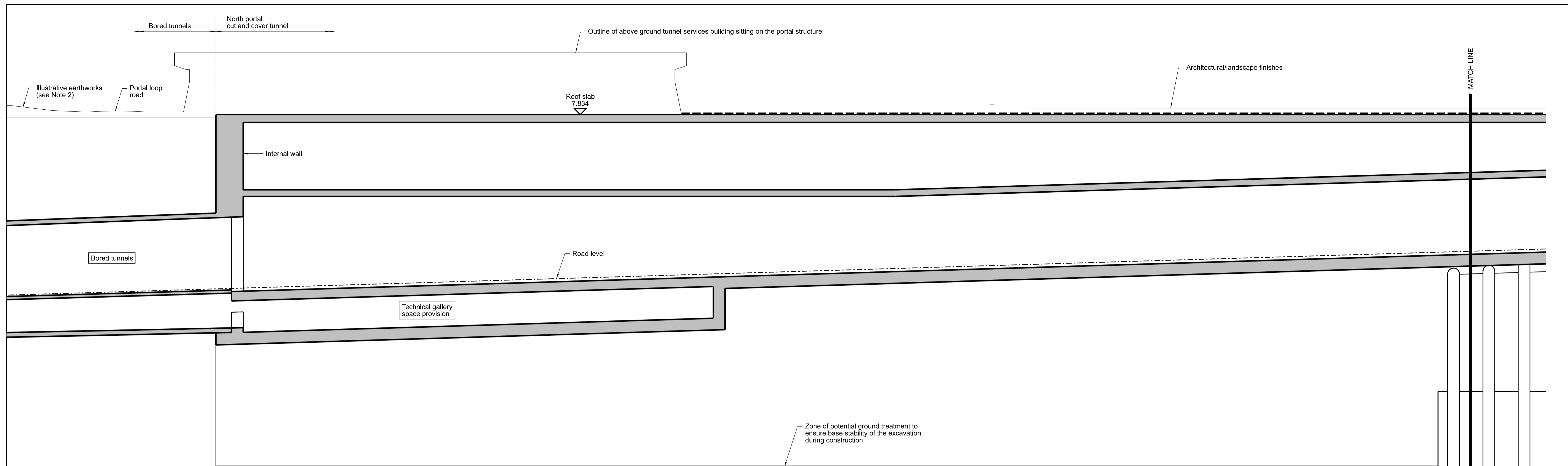
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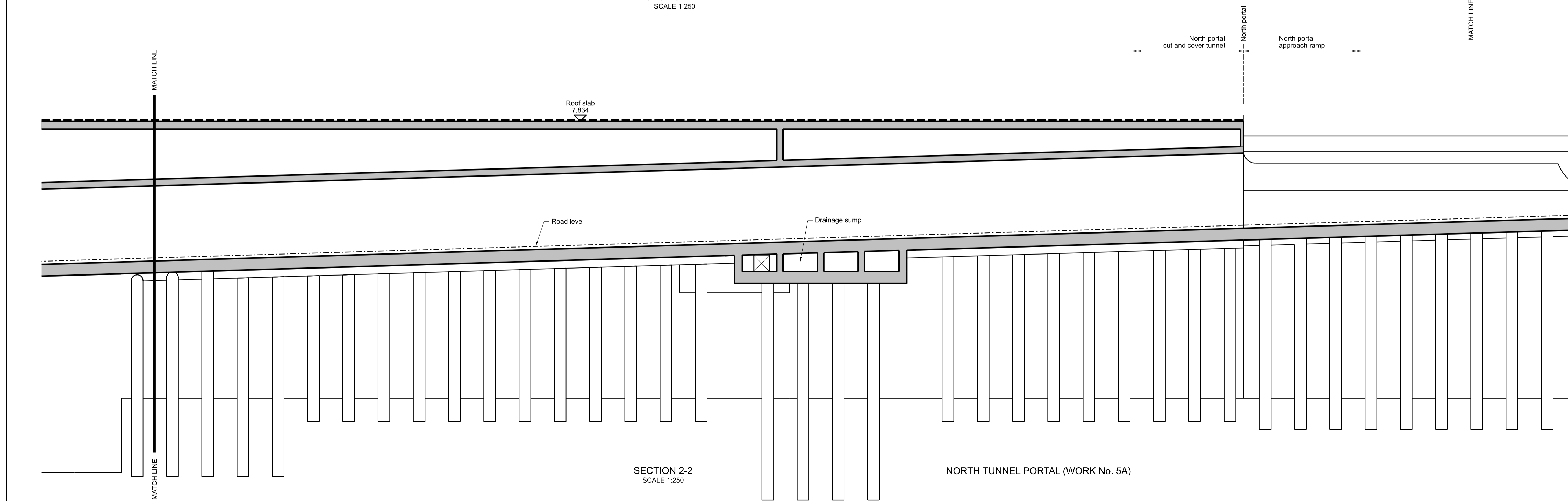
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SECTION 2-2
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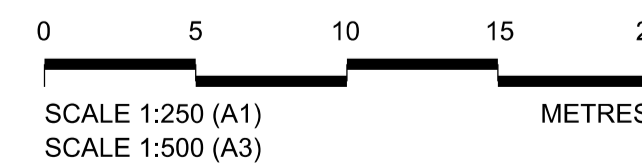
NORTH TUNNEL PORTAL (WORK No. 5A)

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PO1	SB	19/10/2022	DCO Application	RT	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

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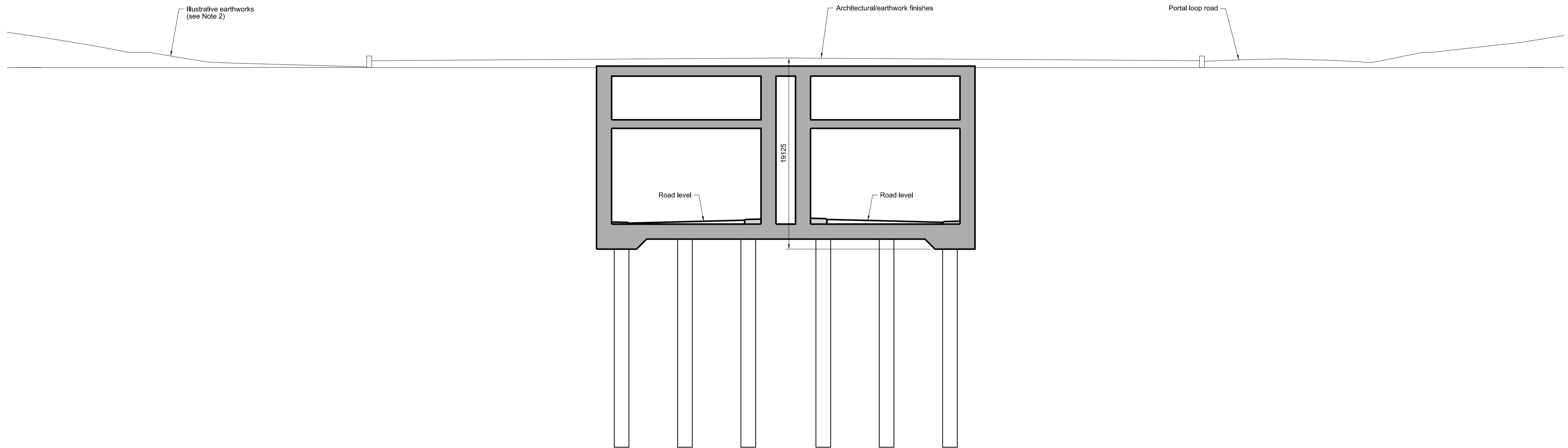
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- Work numbers are described in Schedule 1 (Authorised Development) of the Development Consent Order (TR010032/APP/3.1).



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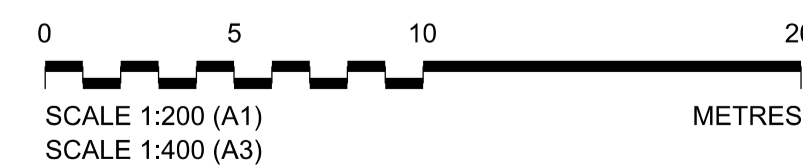
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NORTH TUNNEL PORTAL (WORK No. 5A)

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1. The design and location of the structure is shown here for illustrative purposes only and will be subject to detailed design development in accordance with the provisions of the Development Consent Order (TR010032/APP/3.1).
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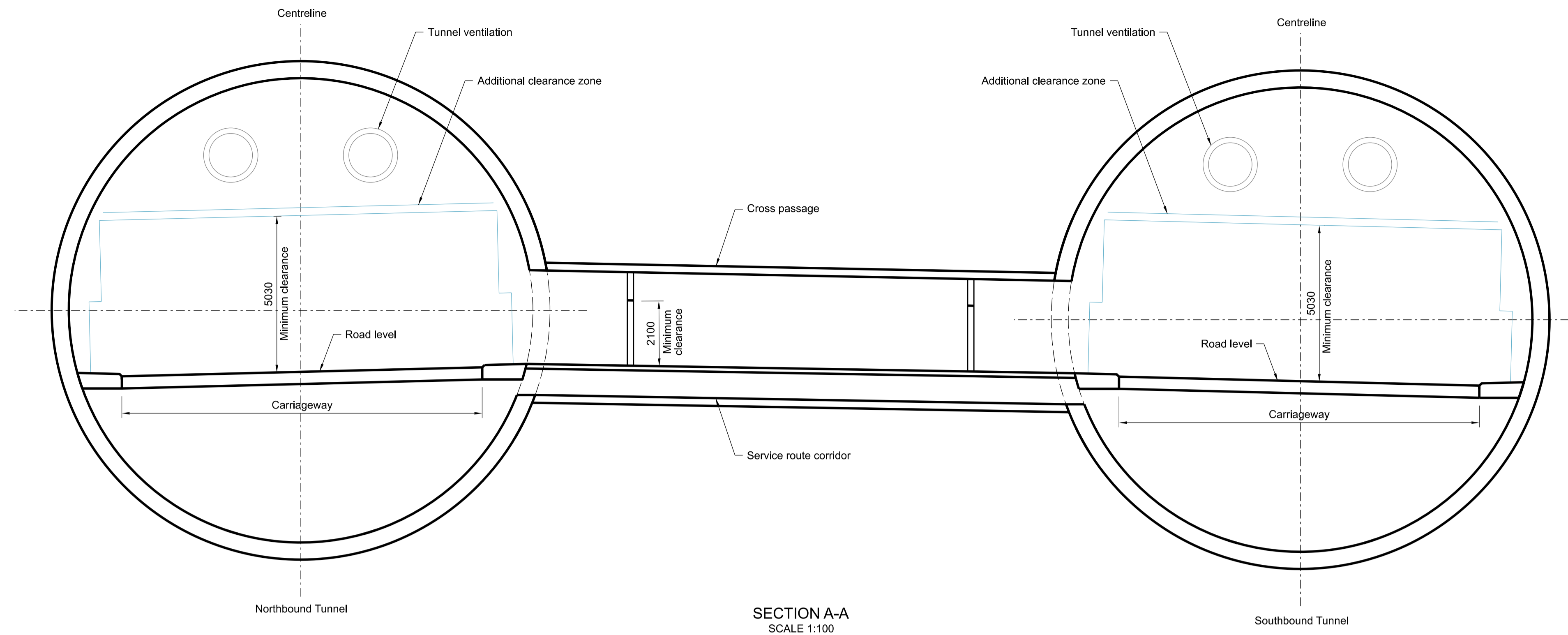


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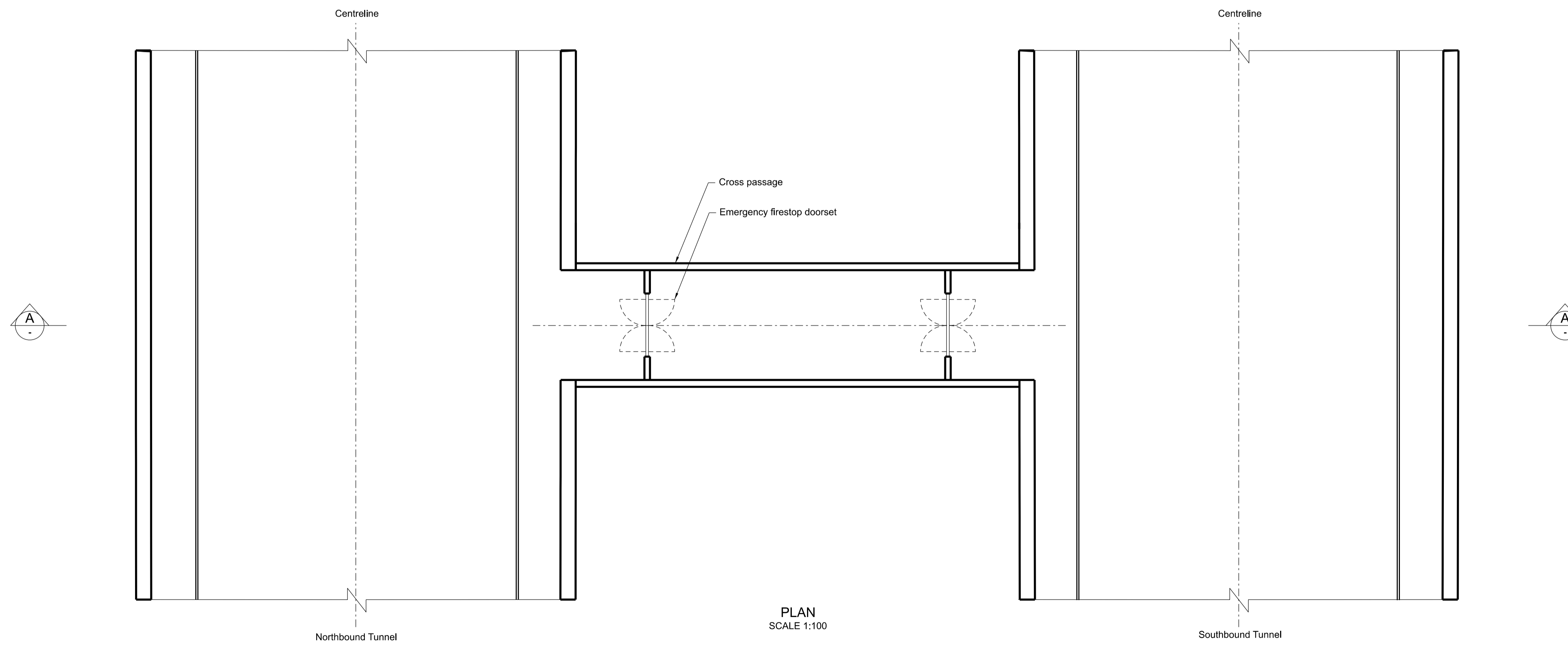
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Project
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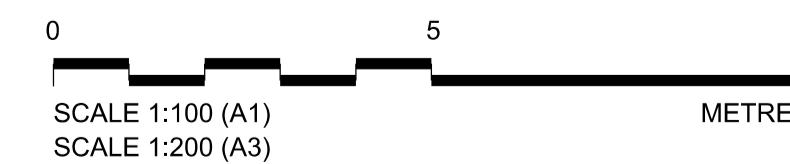


BORED TUNNELS (WORK No. 4A)



NOTES:

1. The design and location of the structure is shown here for illustrative purposes only and will be subject to detailed design development in accordance with the provisions of the Development Consent Order (TR010032/APP/3.1).
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4. All levels are in metres and relate to Ordnance datum unless stated otherwise.
5. The highways design is shown in the Engineering Section and Drawings (TR010032/APP/2.9).
6. Work numbers are described in Schedule 1 (Authorised Development) of the Development Consent Order (TR010032/APP/3.1).

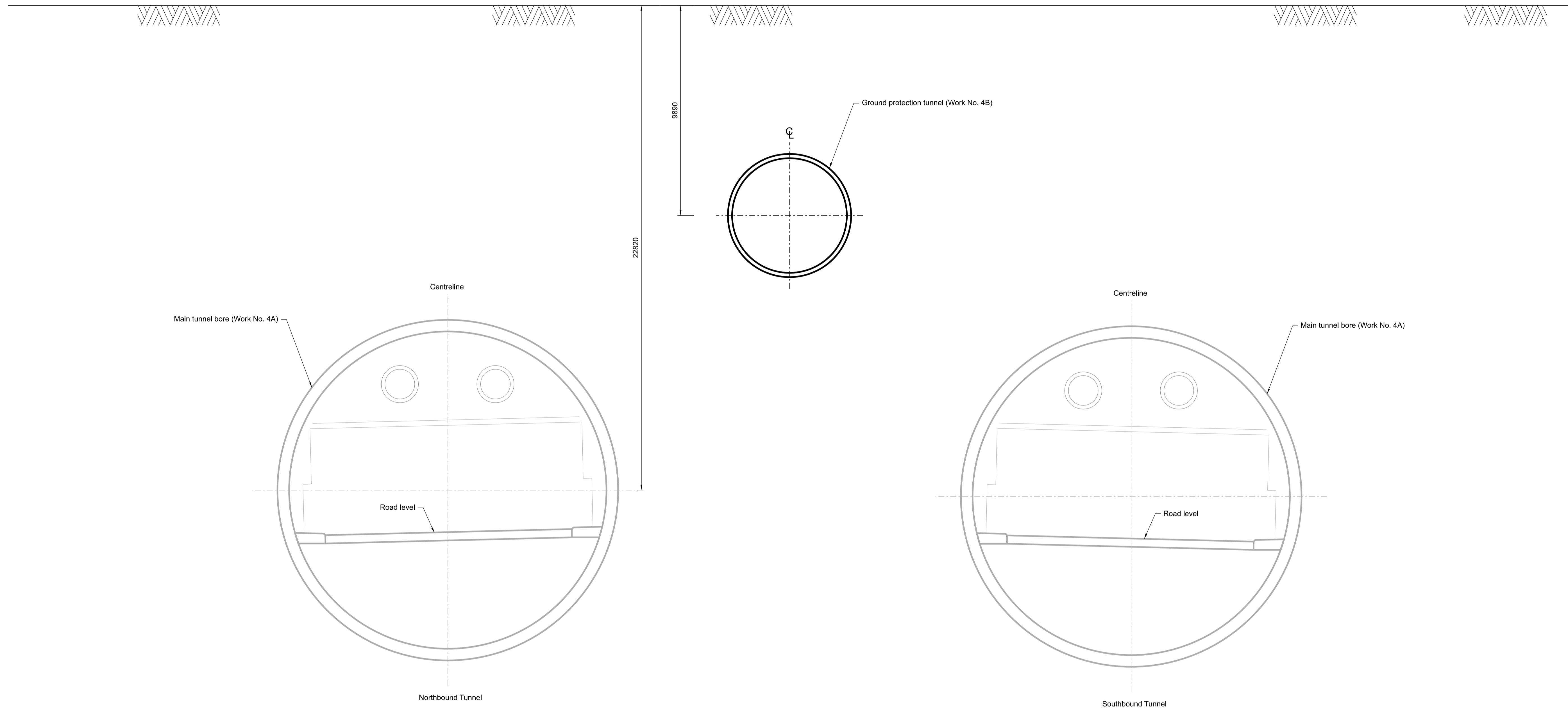


P01	SB	19/10/2022	DCO Application	RT	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

Client

 Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A1	Revision	P01
Application Document Number	TR010032/APP/2.13	Scale	1:100		
Drawing title	STRUCTURES PLANS 5(2)(o) BORED TUNNELS SHEET 18				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CT-20006				

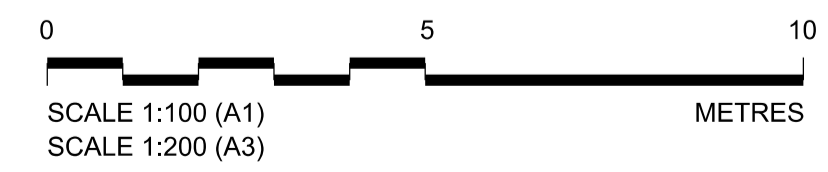


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P01	SB	19/10/2022	DCO Application	RT	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

NOTES:

1. The design and location of the structure is shown here for illustrative purposes only and will be subject to detailed design development in accordance with the provisions of the Development Consent Order (TR010032/APP/3.1).
2. Drawings show engineering earthworks only. Landscaping earthworks are shown in General Arrangement Plans (TR010032/APP/2.5).
3. All dimensions in millimetres unless noted otherwise.
4. All levels are in metres and relate to Ordnance datum unless stated otherwise.
5. The highways design is shown in the Engineering Section and Drawings (TR010032/APP/2.9).
6. Work numbers are described in Schedule 1 (Authorised Development) of the Development Consent Order (TR010032/APP/3.1).

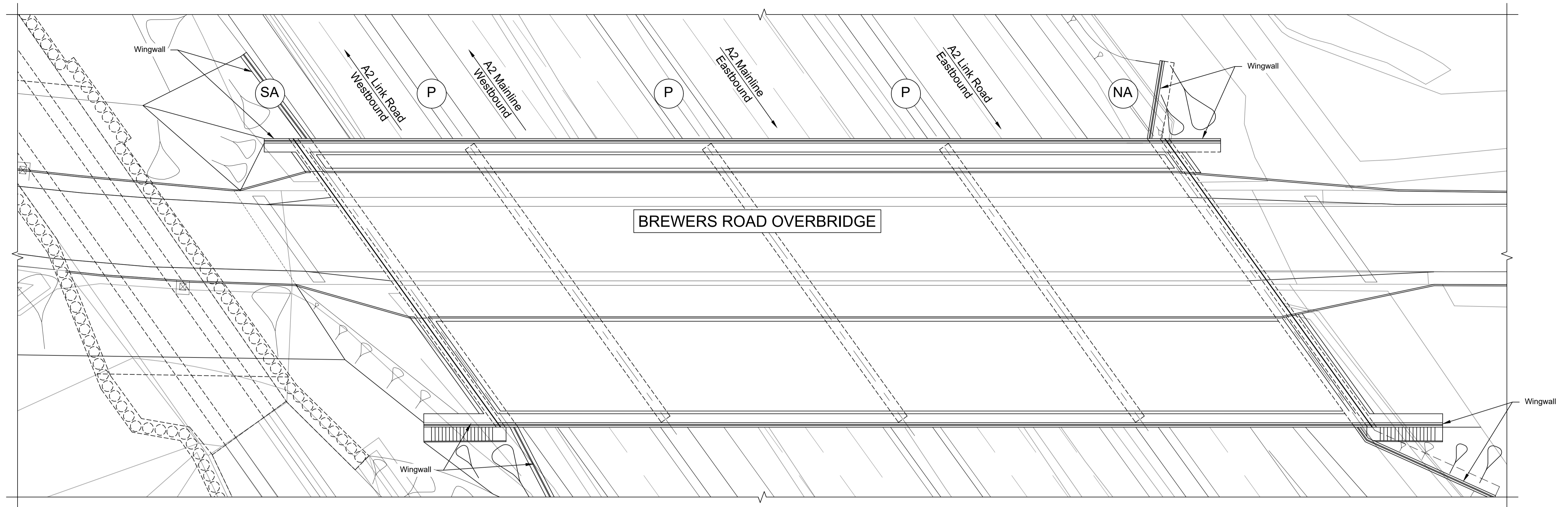
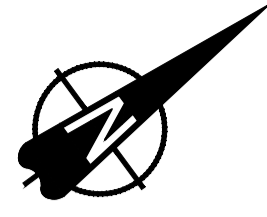


Client

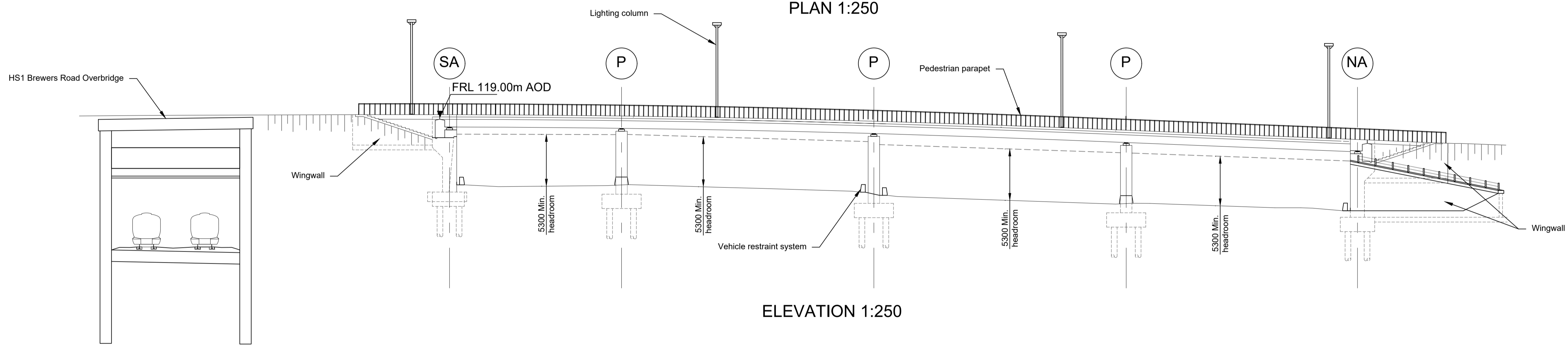
Project

LOWER THAMES CROSSING

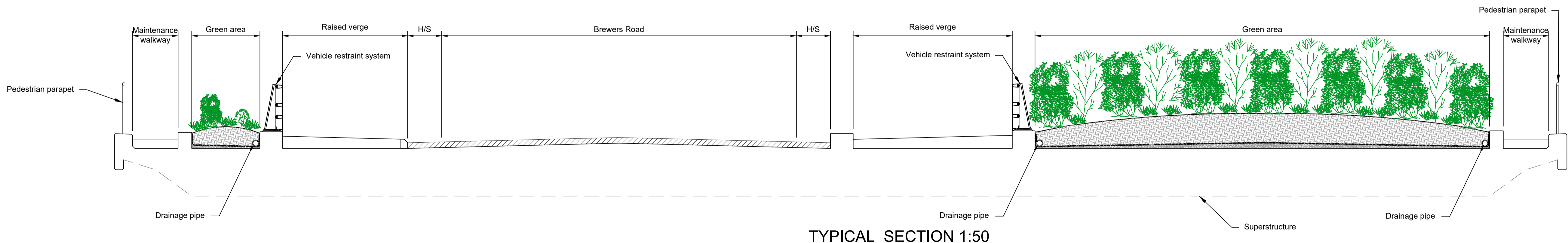
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Application Document Number	TR010032/APP/2.13	Scale	1:100		
Drawing title	STRUCTURES PLANS 5(2)(o) GROUND PROTECTION TUNNEL SHEET 19				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CT-20007				



PLAN 1:250



ELEVATION 1:250

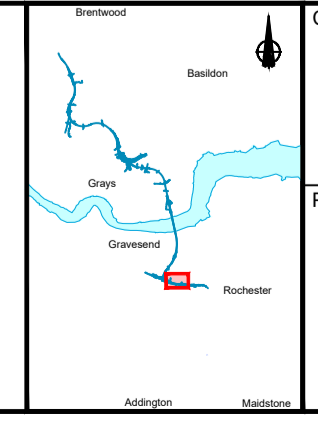
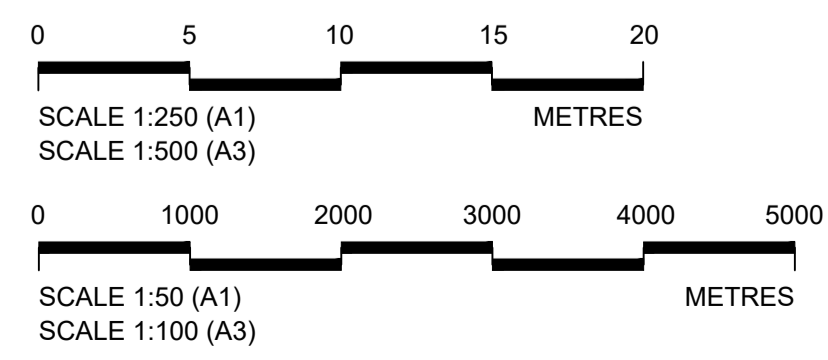


TYPICAL SECTION 1:50

LEGEND	
	EMBANKMENT/CUTTING
	SOUTH ABUTMENT
	PIER
	NORTH ABUTMENT
H/S	HARD STRIP
FRL	FINISHED ROAD LEVEL

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P01	SB	19/10/2022	DCO Application	PG1	BB ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd Appr'd

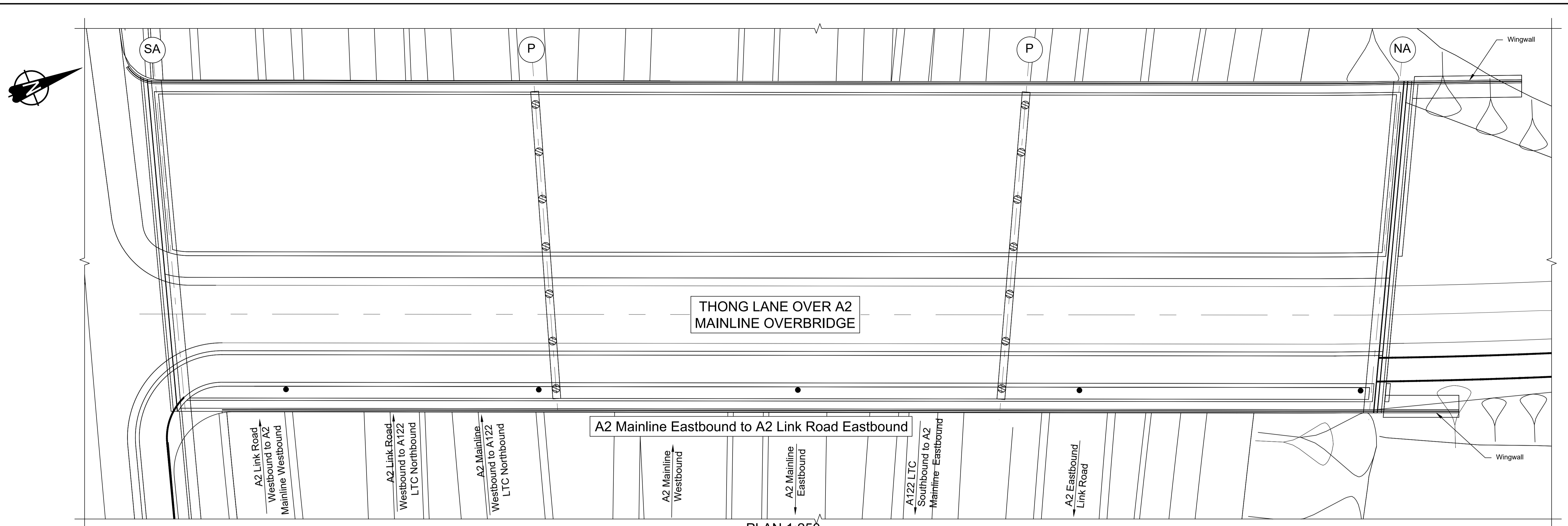
- NOTES:
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 - Full length of piles not shown.



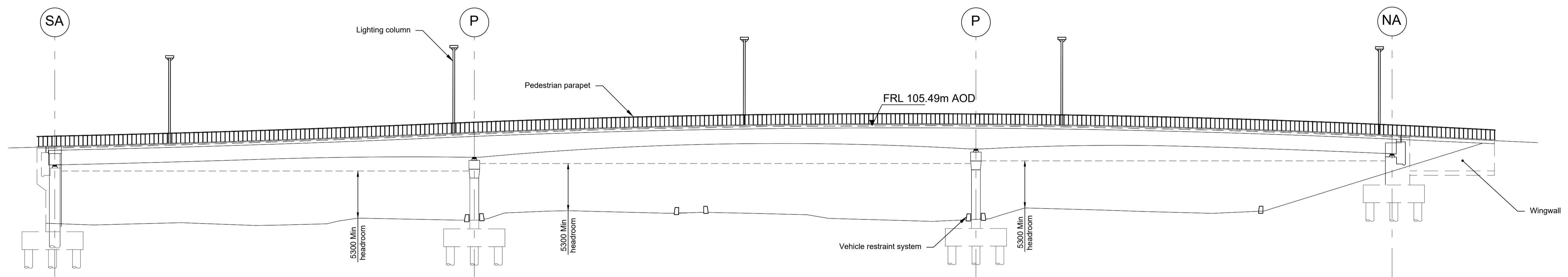
Client: **national highways**

Project: **LOWER THAMES CROSSING**

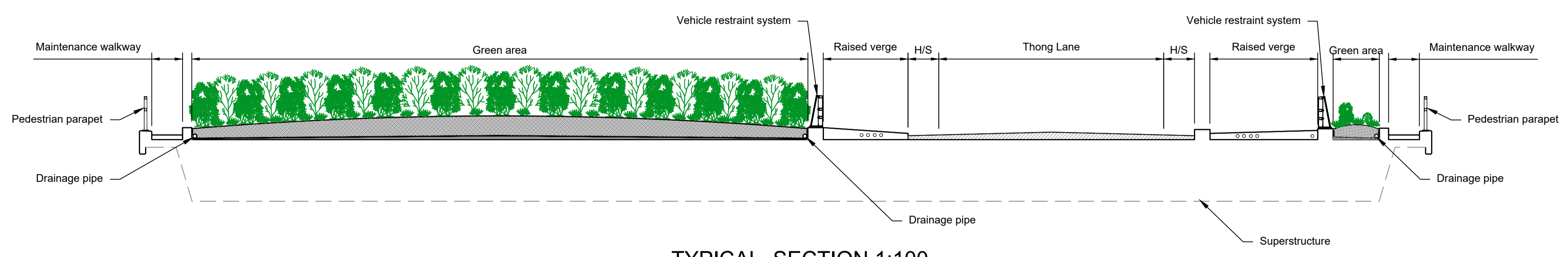
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Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN
Drawing title	STRUCTURES PLANS 5(2)(o)		
	WORK NO. 1D		
	SHEET 20		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10050		



PLAN 1:250



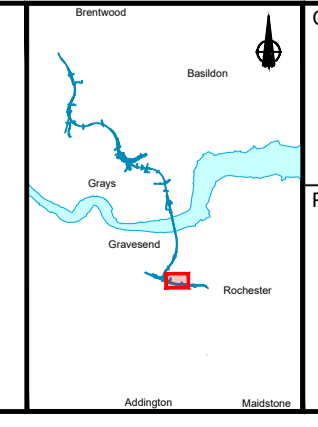
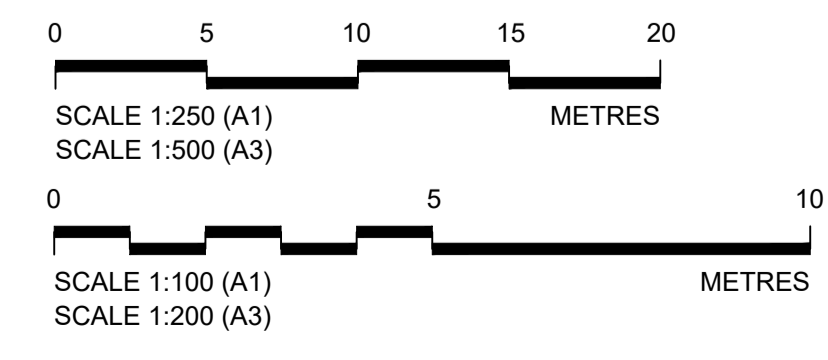
ELEVATION 1:250



TYPICAL SECTION 1:100

LEGEND	
	EMBANKMENT/CUTTING
	SOUTH ABUTMENT
	PIER
	NORTH ABUTMENT
H/S	HARD STRIP
FRL	FINISHED ROAD LEVEL

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 - Full length of piles not shown.

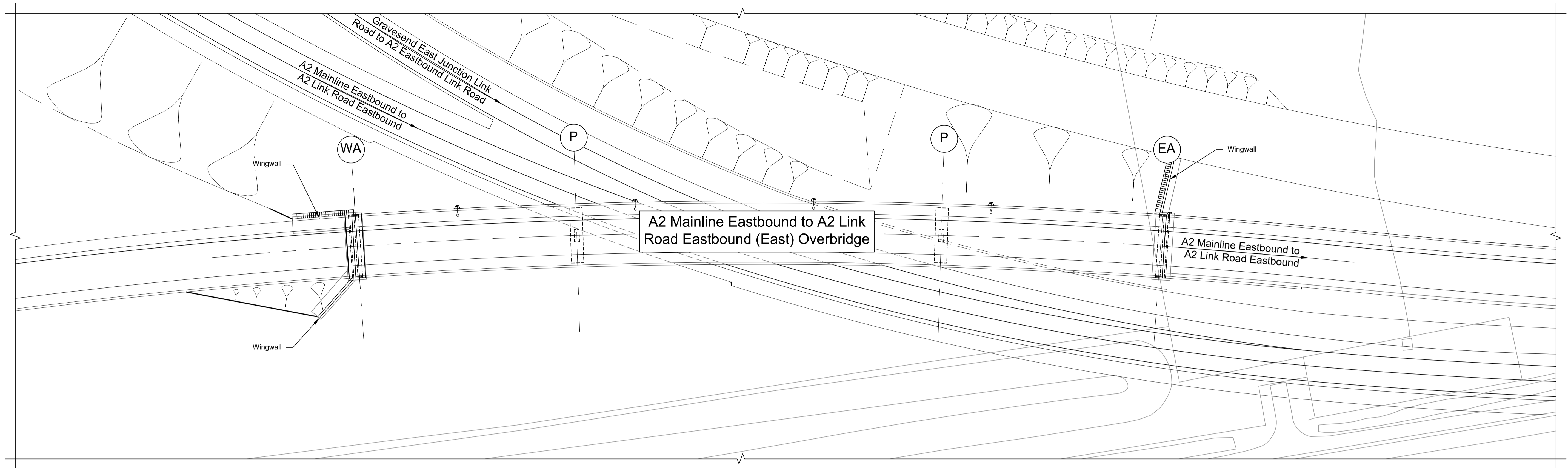
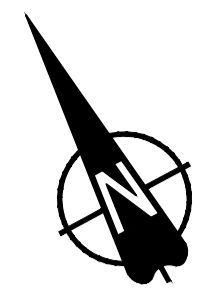


Client: **national highways**

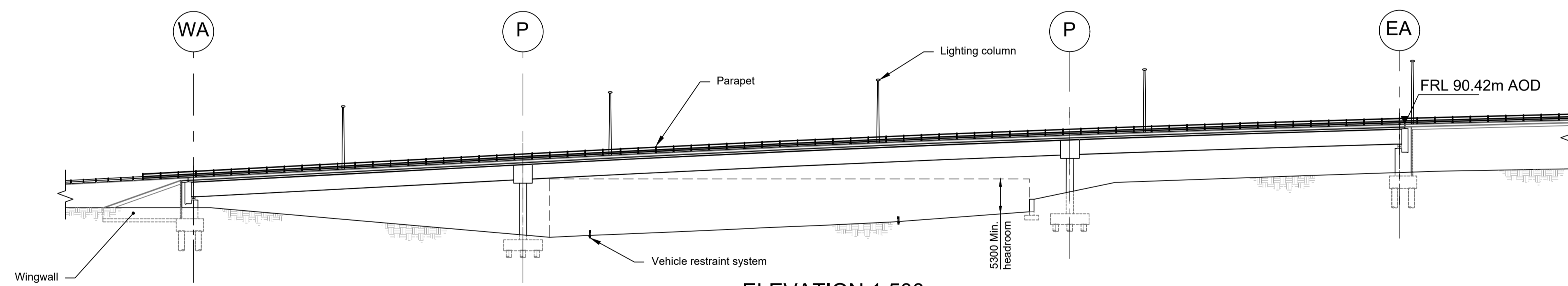
Project: **LOWER THAMES CROSSING**

Status: DCO Application	Original Size: A1	Revision: P01
Application Document Number: TR010032/APP/2.13	Scale: AS SHOWN	
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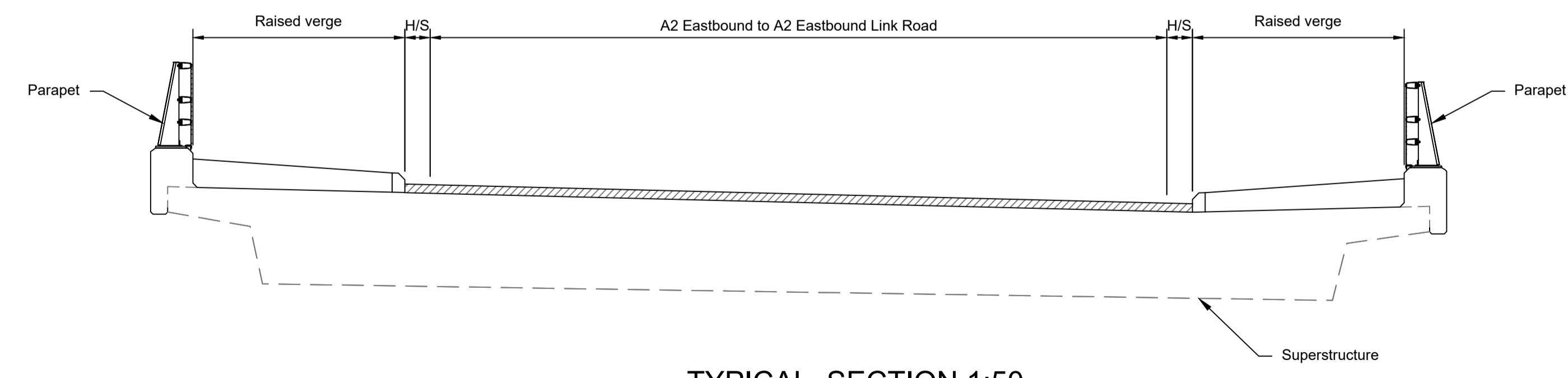
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P01	SB	19/10/2022	DCO Application	PG1	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd



PLAN 1:500



ELEVATION 1:500

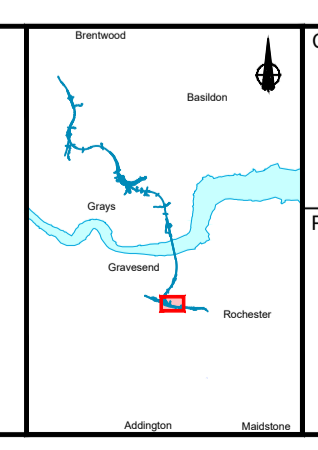
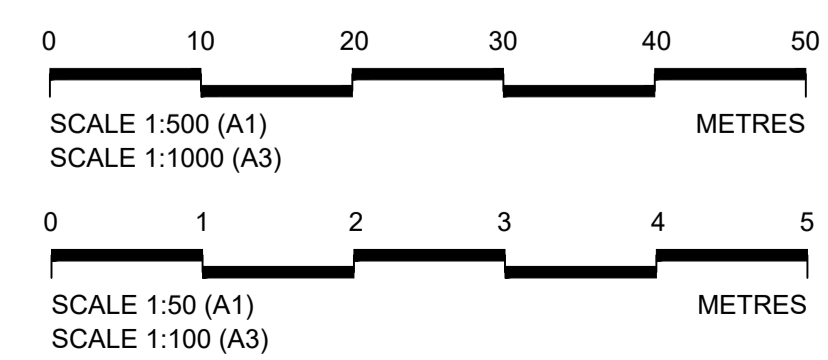


TYPICAL SECTION 1:50

LEGEND	
	EMBANKMENT/CUTTING
	WEST ABUTMENT
	PIER
	EAST ABUTMENT
H/S	HARD STRIP
FRL	FINISHED ROAD LEVEL

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P01	S8	19/10/2022	DCO Application	PG1	BB ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd

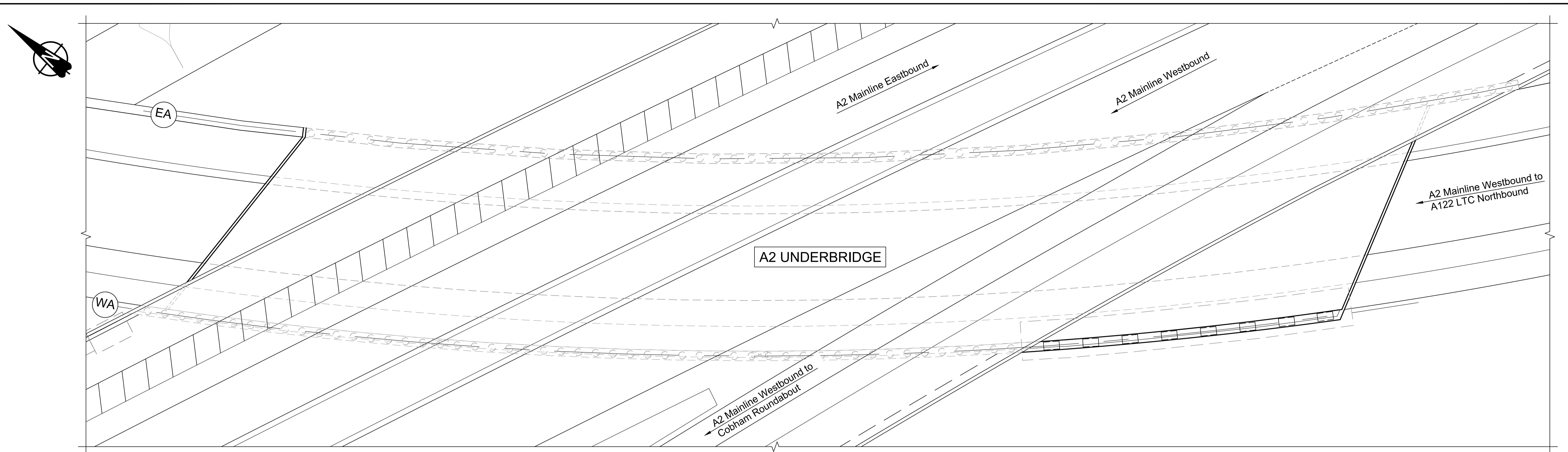
- NOTES:
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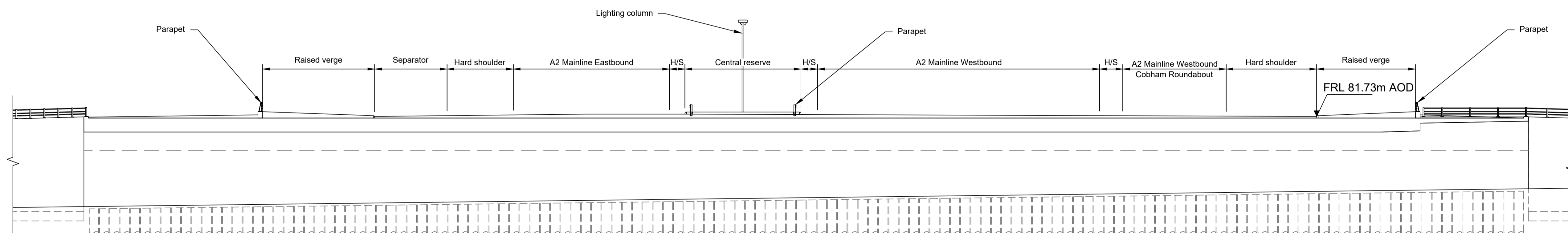
Client: national highways

Project: LOWER THAMES CROSSING

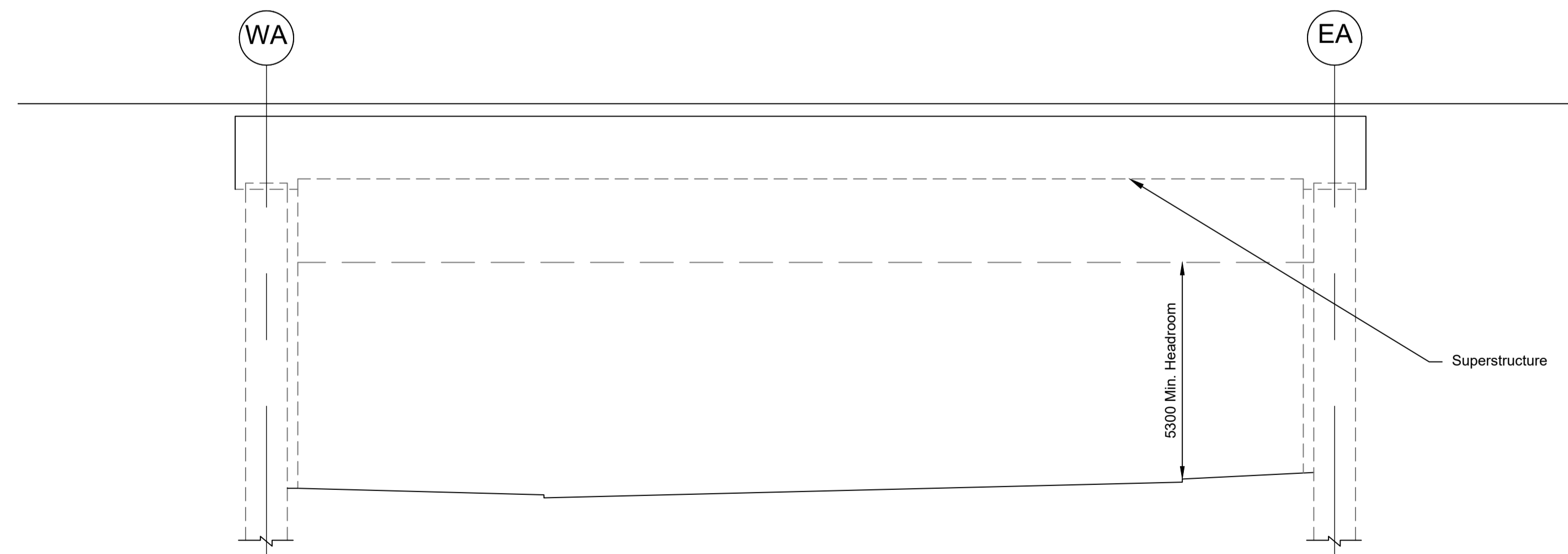
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Scale	AS SHOWN		
Drawing title	STRUCTURES PLANS 5(2)(o) WORK NO. 2B SHEET 22		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10052		



PLAN 1:250



ELEVATION 1:250

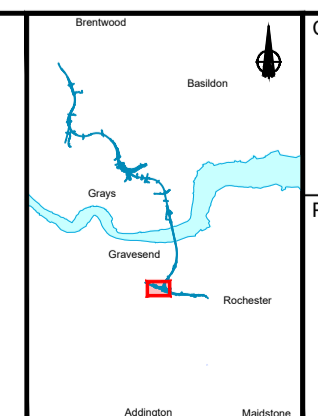
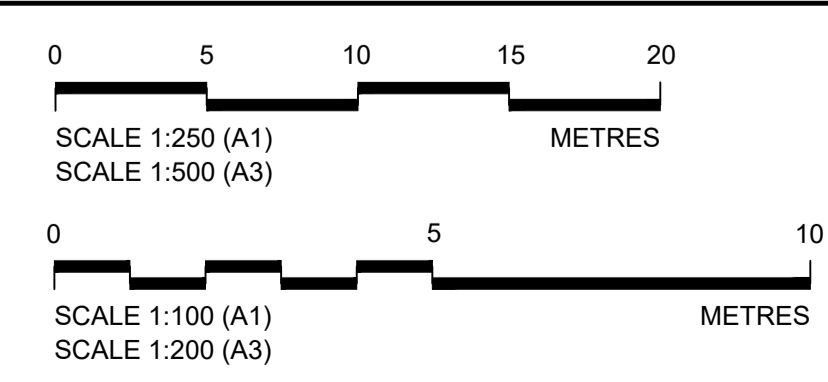


TYPICAL SECTION 1:100

LEGEND	
	EMBANKMENT/CUTTING
	WEST ABUTMENT
	EAST ABUTMENT
	HARD STRIP
	FINISHED ROAD LEVEL

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P01	SB	19/10/2022	DCO Application	PG1	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

- NOTES:
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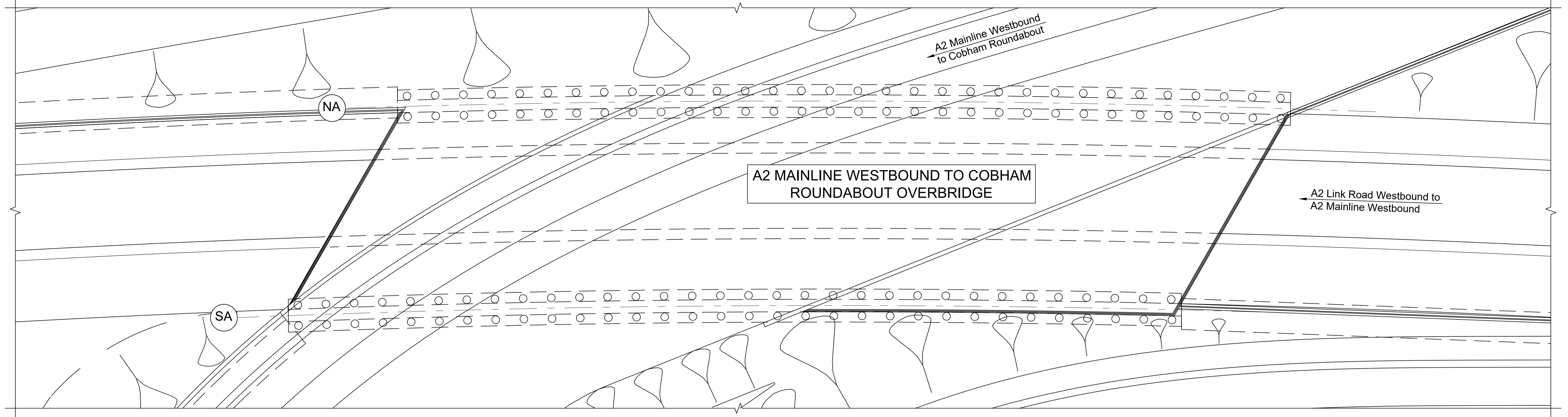
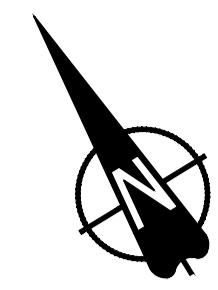


Client

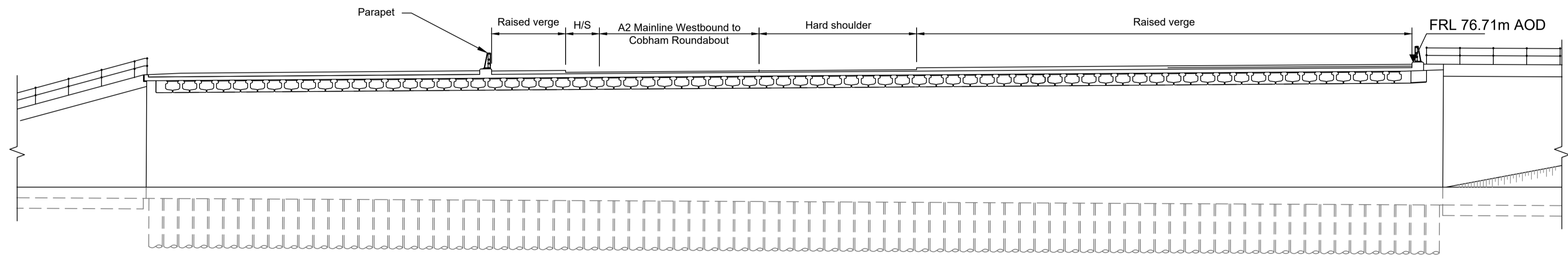
Project

LOWER THAMES CROSSING

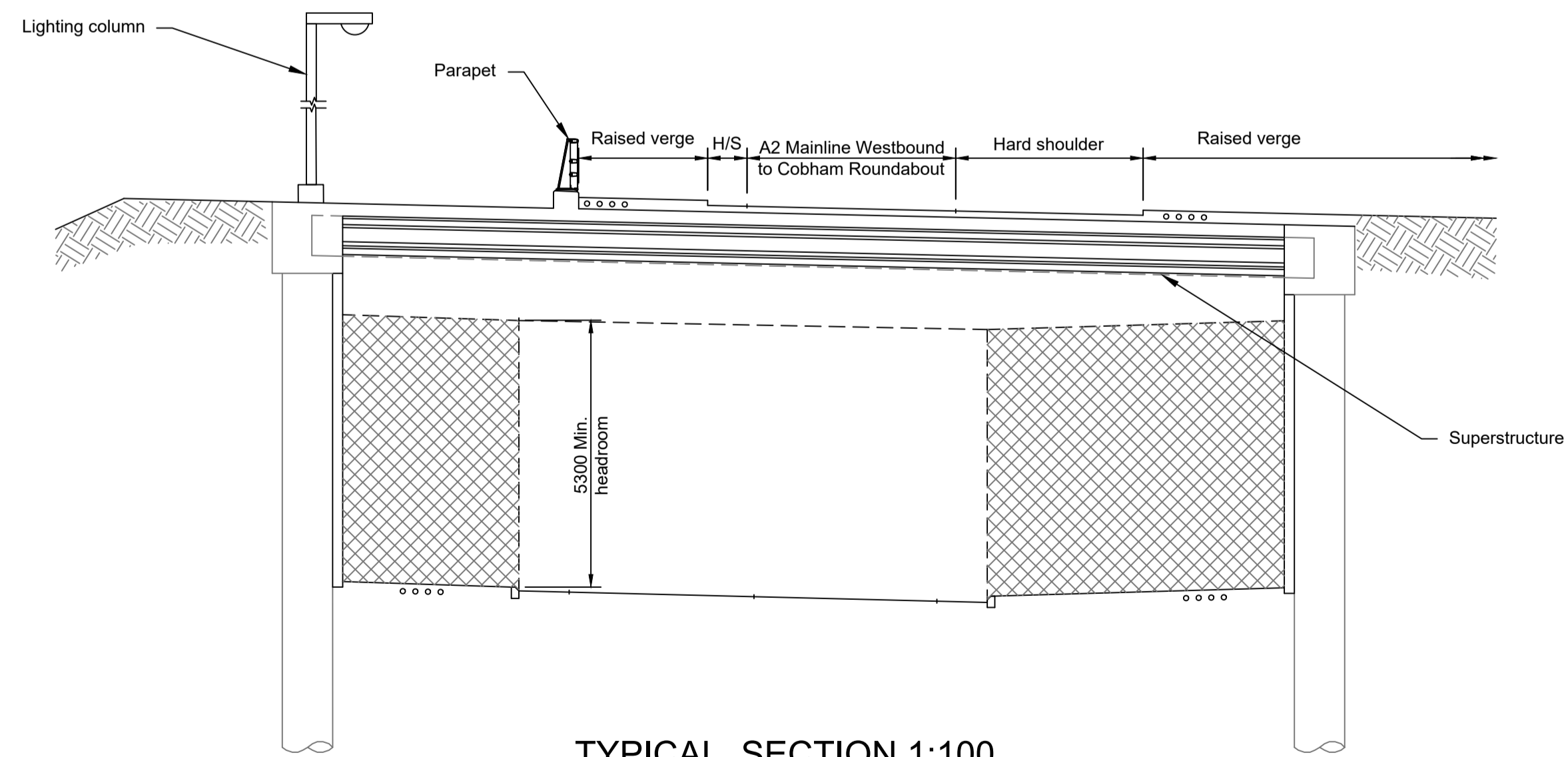
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Drawing title	STRUCTURES PLANS 5(2)(o)		
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	SHEET 23		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10053		



PLAN 1:250



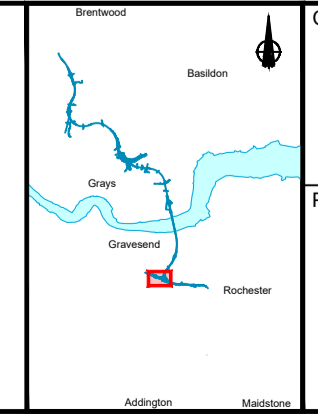
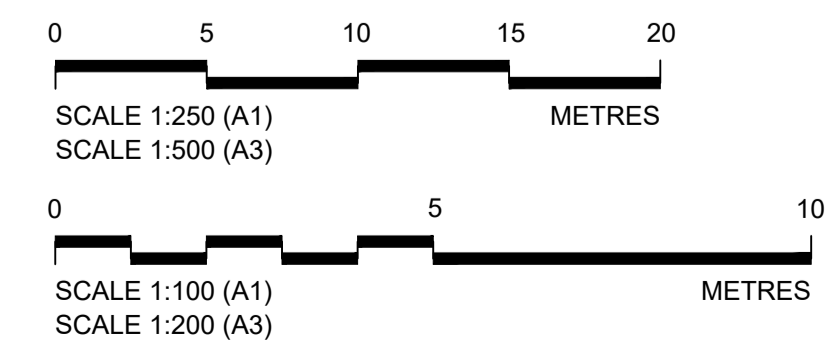
ELEVATION 1:250



TYPICAL SECTION 1:100

LEGEND	
	EMBANKMENT/CUTTING
	NORTH ABUTMENT
	SOUTH ABUTMENT
	HARD STRIP
	FINISHED ROAD LEVEL

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 - Full length of piles not shown.

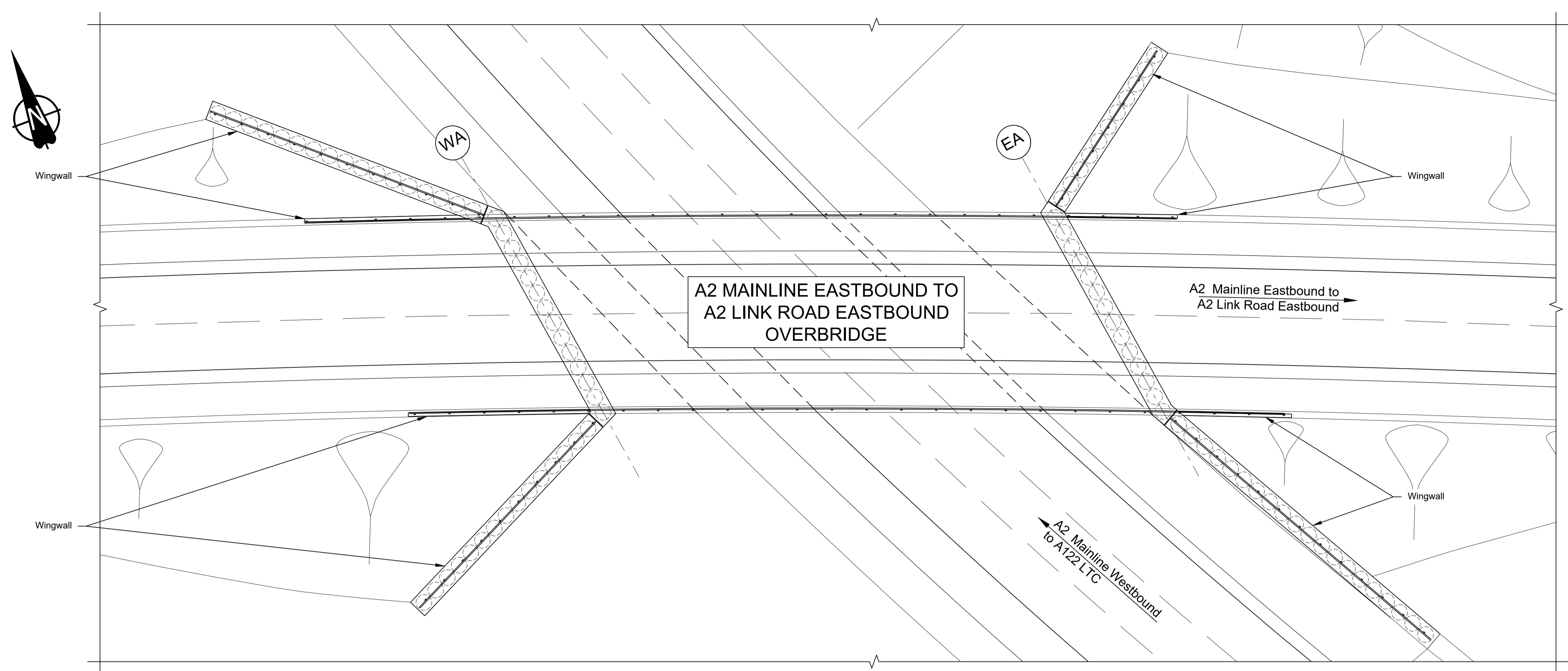


Client: national highways

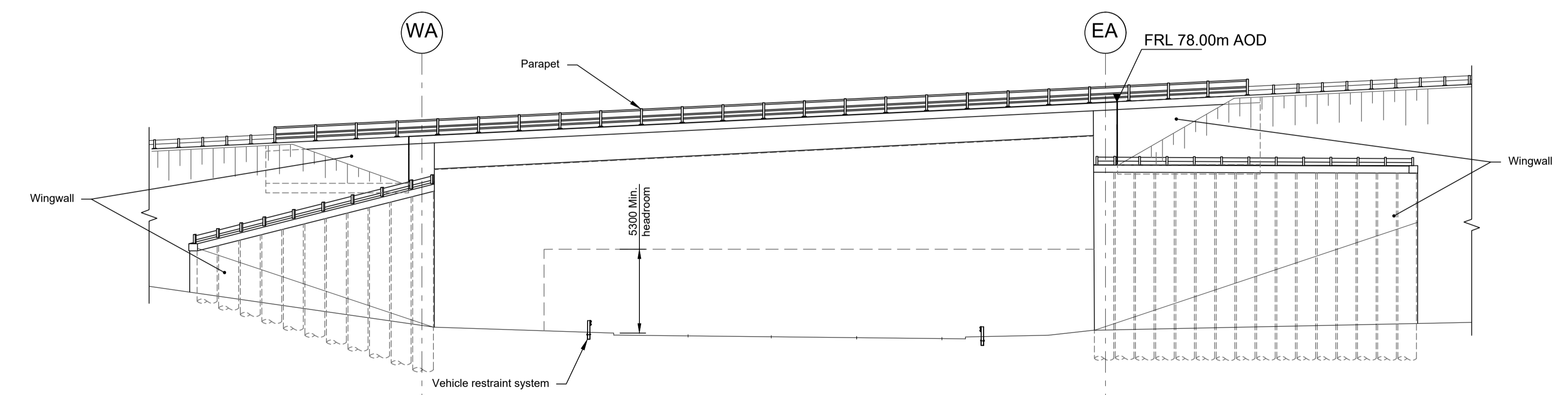
Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.13	A1	P01
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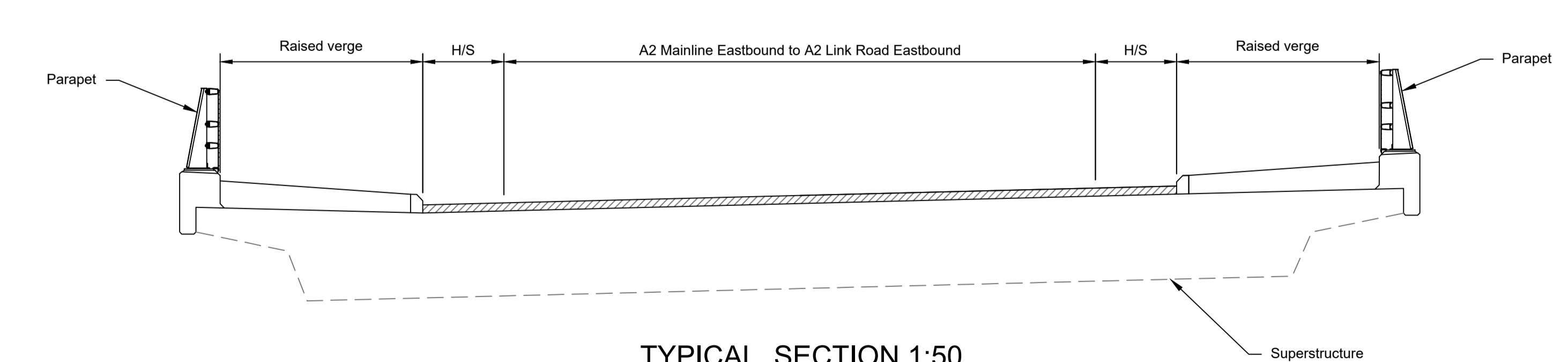
P01	SB	19/10/2022	DCO Application	PG1	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd



PLAN 1:200



ELEVATION 1:200

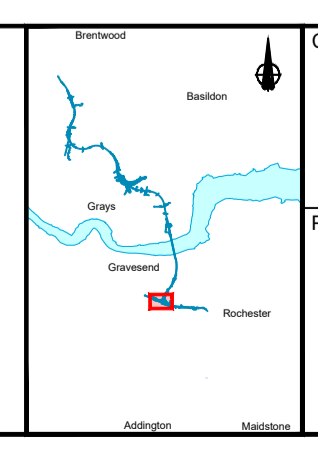
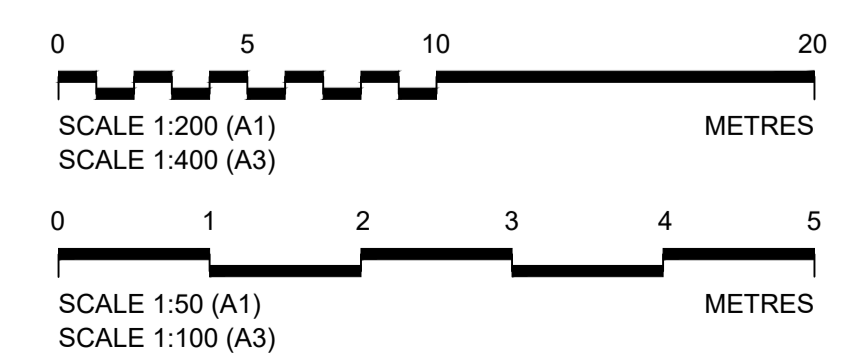


TYPICAL SECTION 1:50

LEGEND	
	EMBANKMENT/CUTTING
	WEST ABUTMENT
	PIERS
	EAST ABUTMENT
	HARDSTRIP
	FINISHED ROAD LEVEL

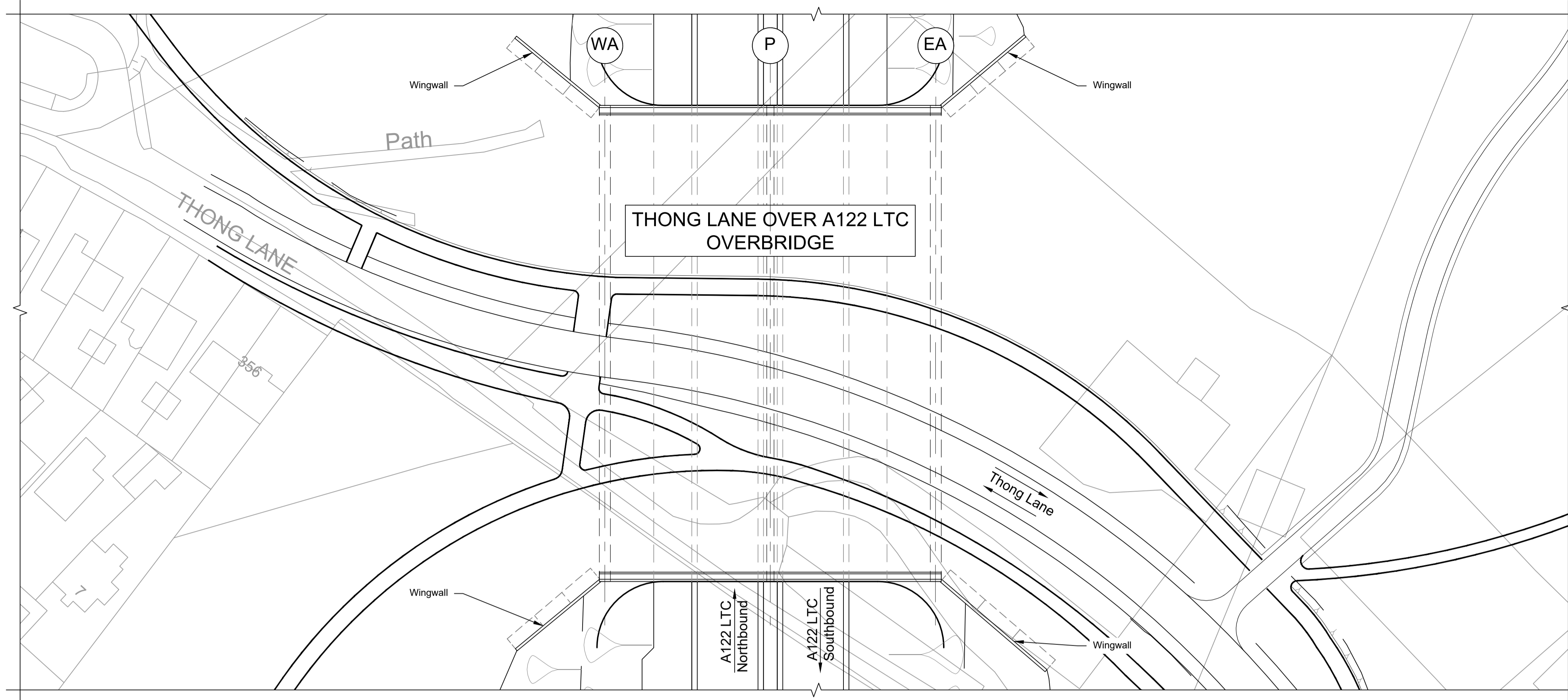
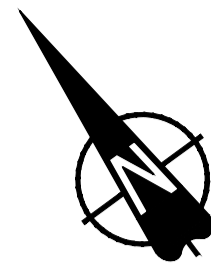
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P01	SB	19/10/2022	DCO Application	PG1	BB ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd
				Apprv'd	

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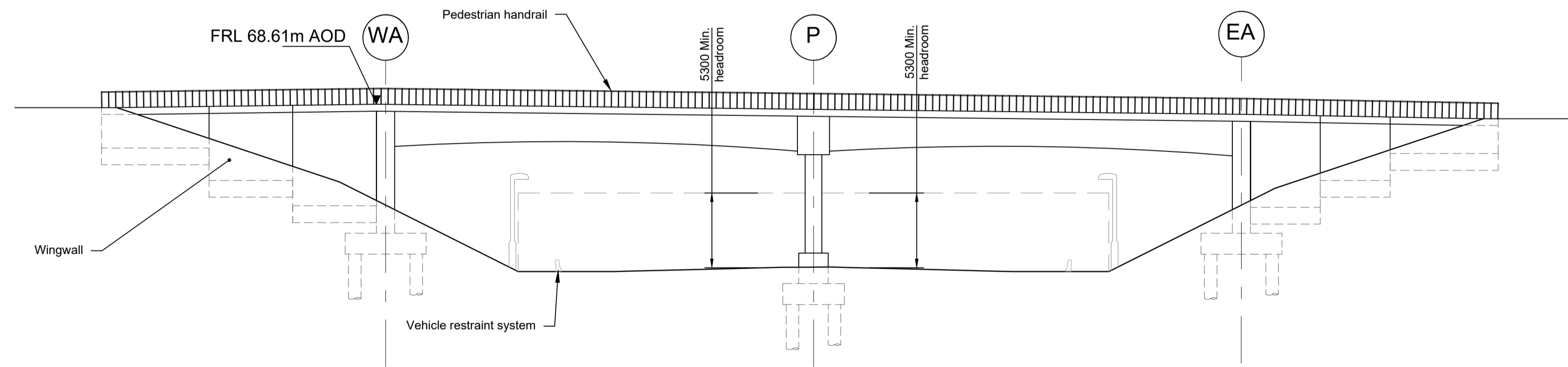


Client
 national highways
 Project
LOWER THAMES CROSSING

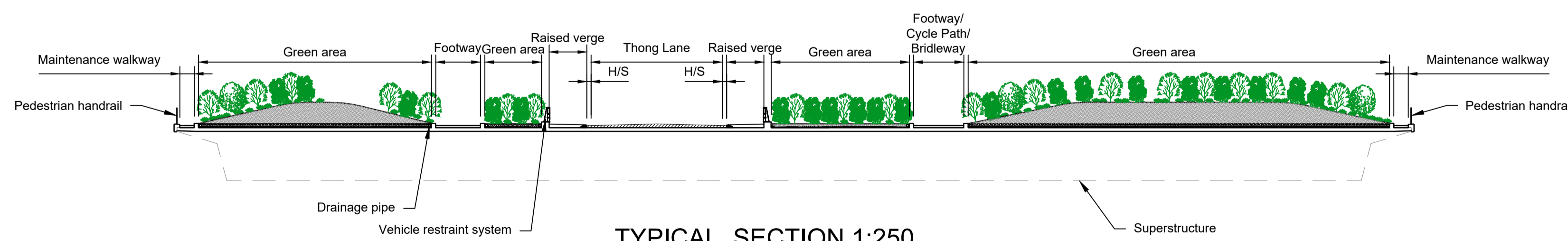
Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.13	A1	P01
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Drawing title	STRUCTURES PLANS 5(2)(o)		
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	SHEET 25		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000 -DR-CB-10055		



PLAN 1:500



ELEVATION 1:250

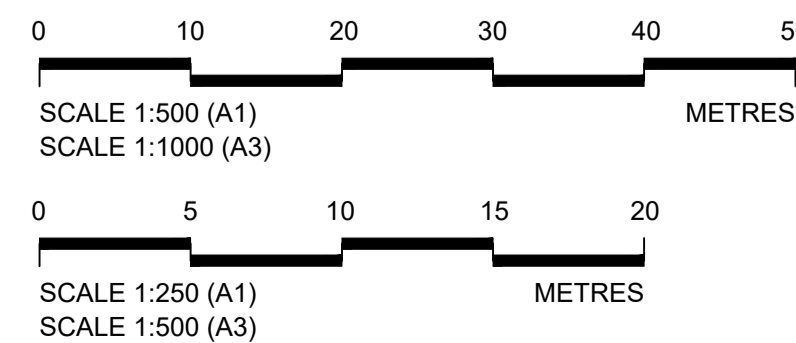


TYPICAL SECTION 1:250

LEGEND	
	EMBANKMENT/CUTTING
	WEST ABUTMENT
	EAST ABUTMENT
	PIER
	HARDSTRIP
	FINISHED ROAD LEVEL

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P01	SB	19/10/2022	DCO Application	PG1	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

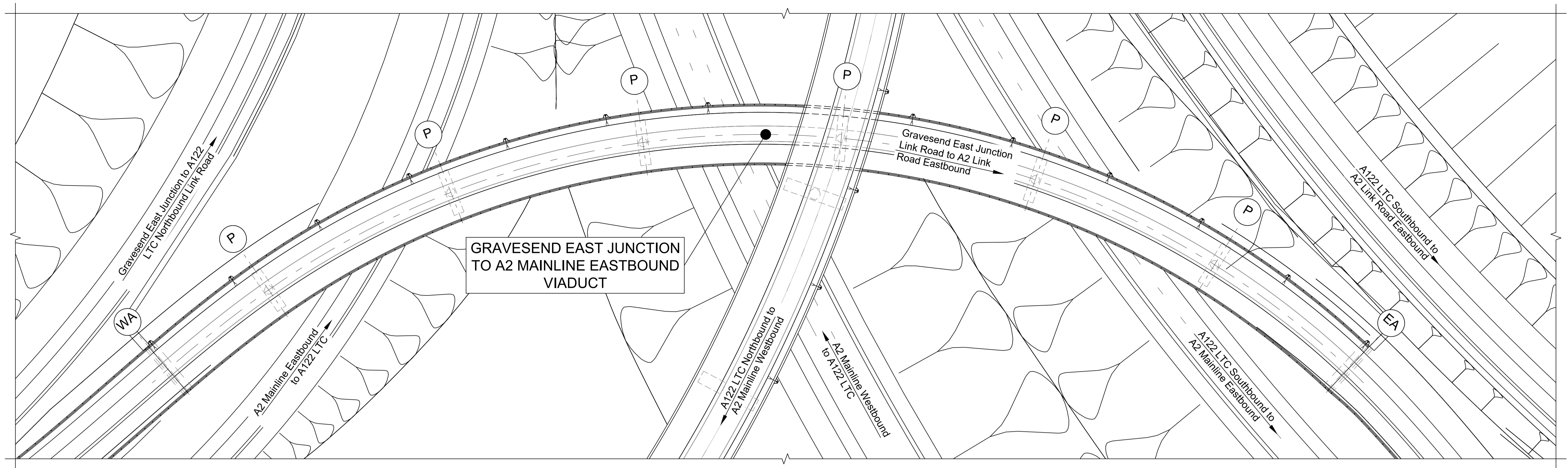
- NOTES:
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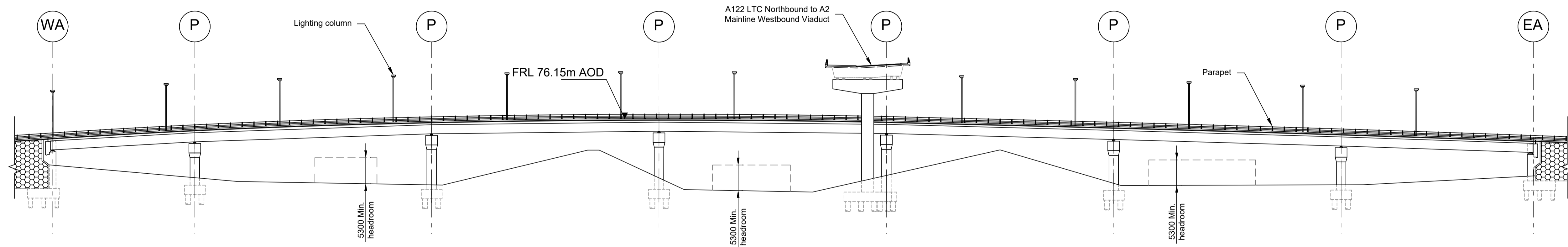
Client: **national highways**

Project: **LOWER THAMES CROSSING**

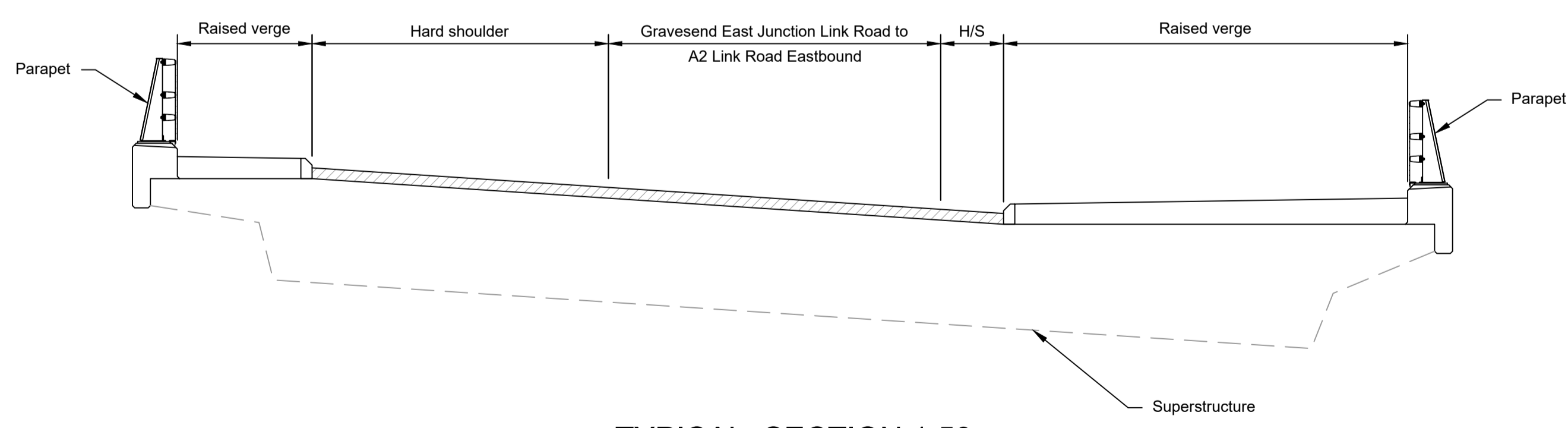
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PLAN 1:500



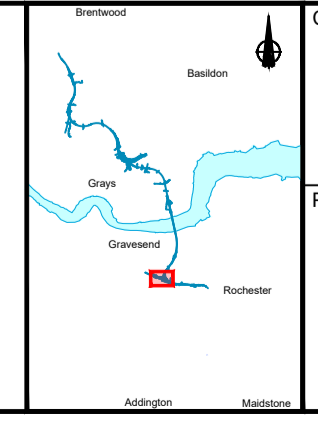
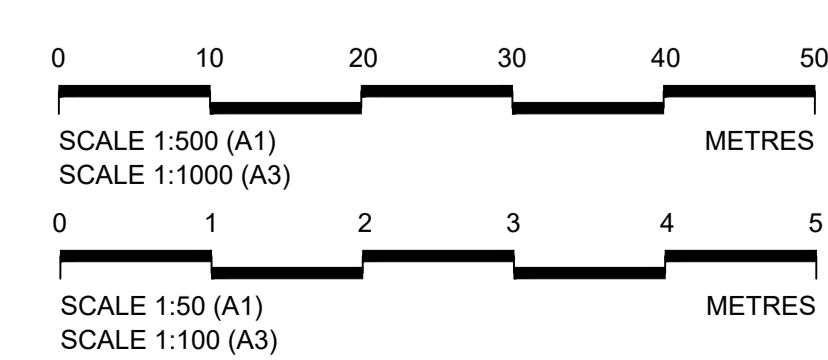
ELEVATION 1:500



TYPICAL SECTION 1:50

LEGEND	
	EMBANKMENT/CUTTING
	WEST ABUTMENT
	PIERS
	EAST ABUTMENT
	HARD STRIP
	FINISHED ROAD LEVEL

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 - The Highways design is shown in the Engineering Section and Drawings (TR010032/APP/2.9).
 - Full length of piles not shown.

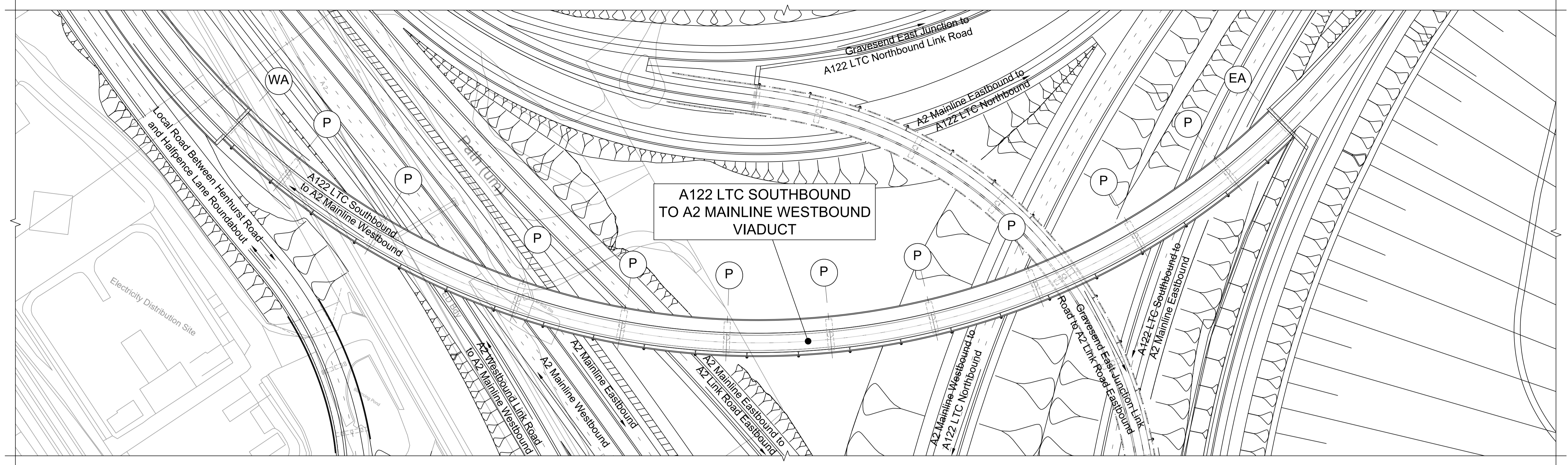
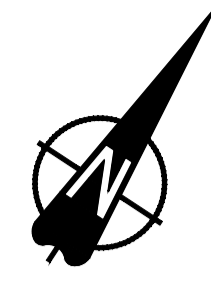


national highways

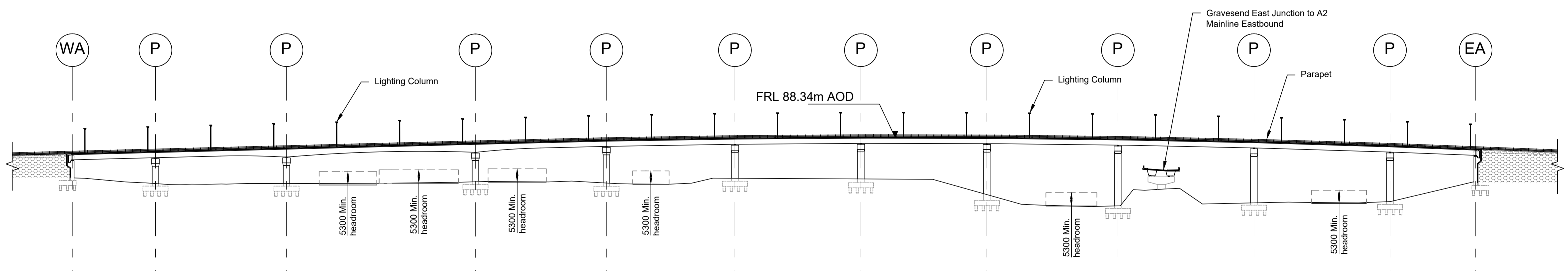
LOWER THAMES CROSSING

Status	DCO Application	Original Size	P01
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN
Drawing title	STRUCTURES PLANS 5(2)(o) WORK NO. 21 SHEET 27		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10057		

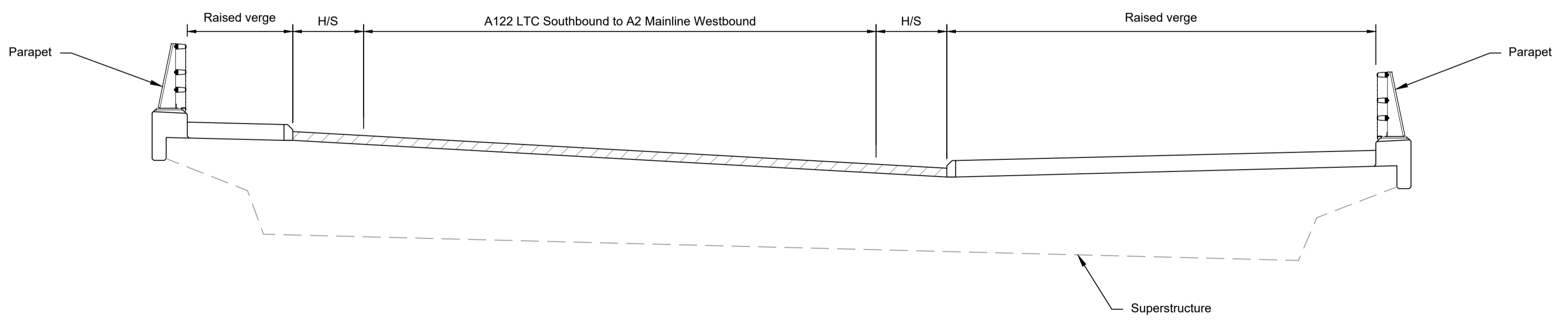
Contains Ordnance Survey data. © Crown copyright and database rights 2022. Ordnance Survey 100030649														
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P01	SB	19/10/2022	DCO Application	PG1	BB	ASB								
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd								



PLAN 1:1000



ELEVATION 1:1000

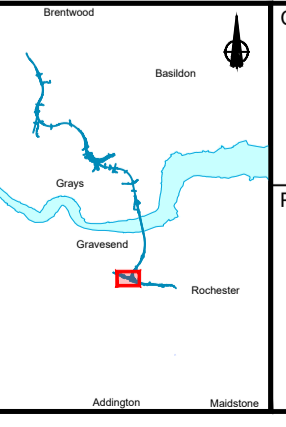
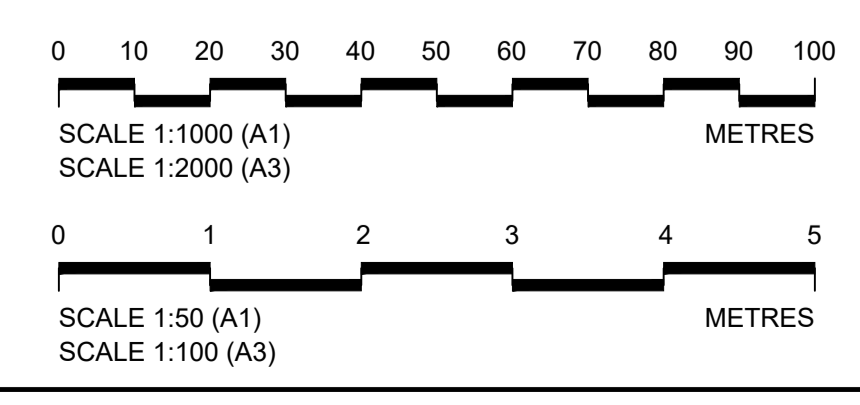


TYPICAL SECTION 1:50

LEGEND	
	EMBANKMENT/CUTTING
	WEST ABUTMENT
	PIERS
	EAST ABUTMENT
	HARDSTRIP
	FINISHED ROAD LEVEL

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P01	SB	19/10/2022	DCO Application	PG1	BB ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd

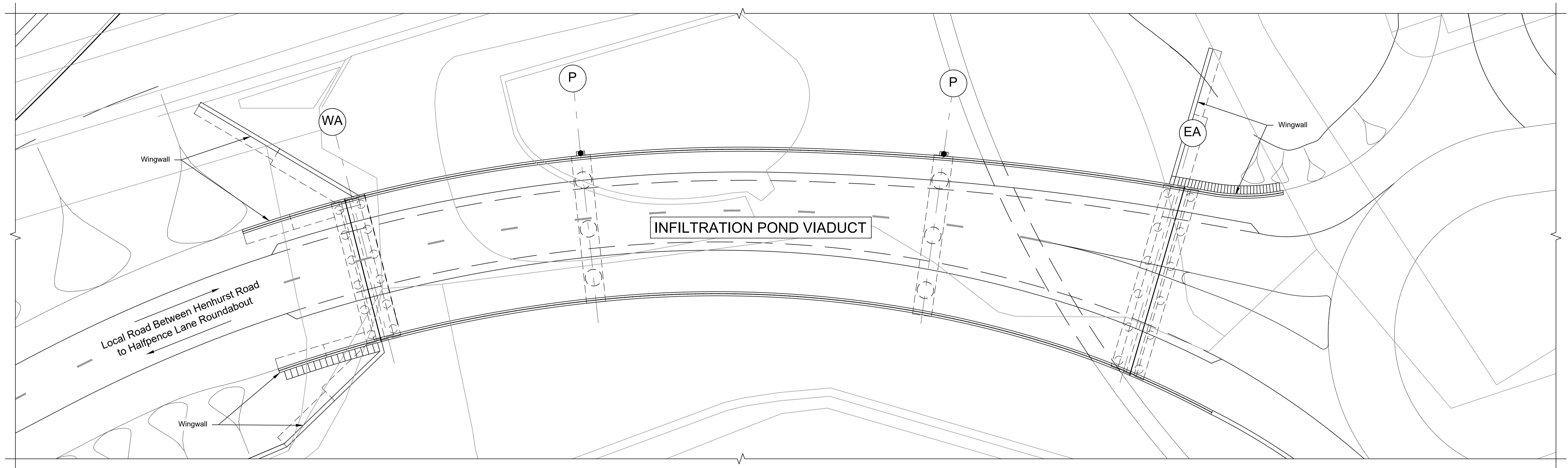
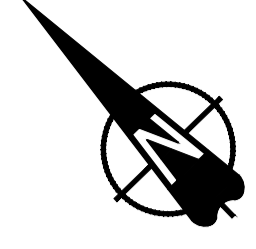
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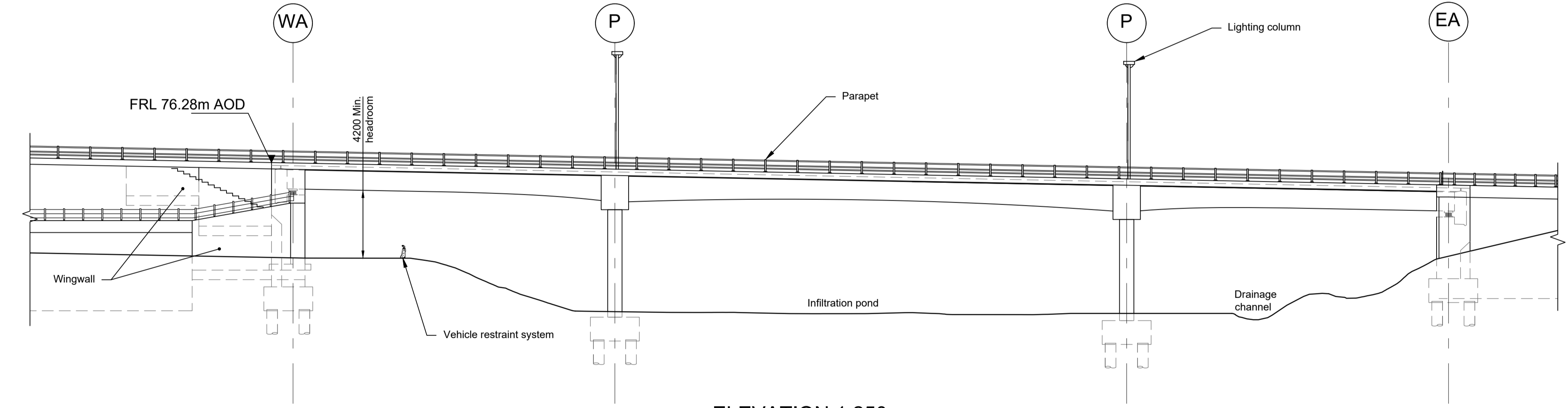
Client: **national highways**

Project: **LOWER THAMES CROSSING**

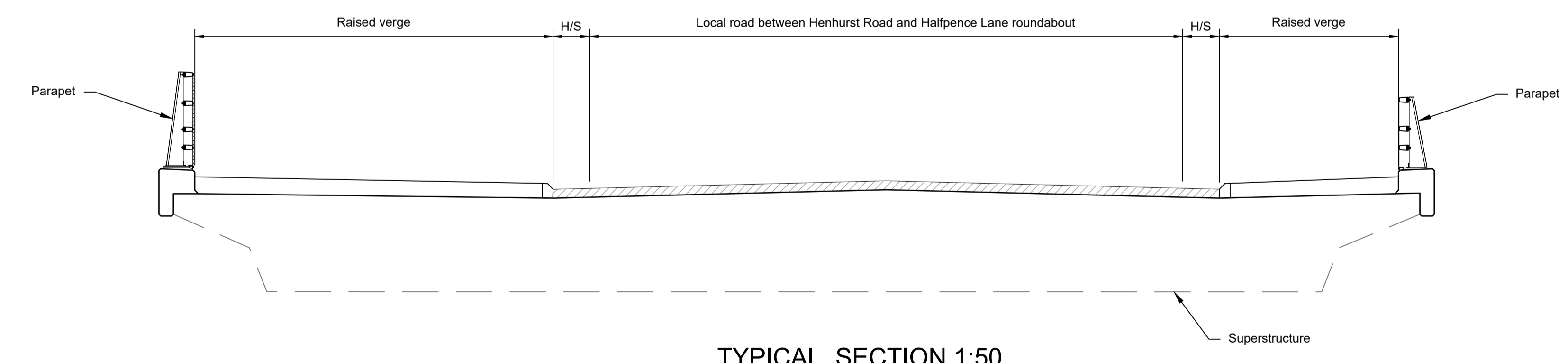
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	SHEET 28		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10058		



PLAN 1:250



ELEVATION 1:250

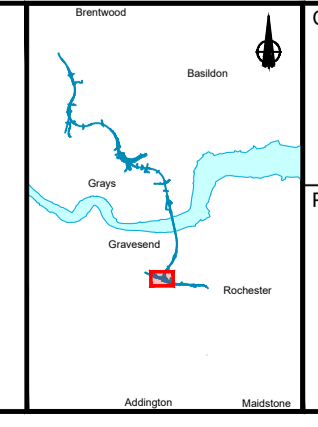
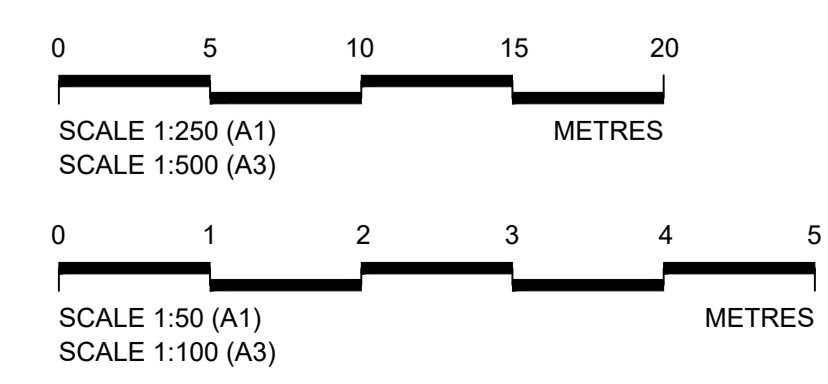


TYPICAL SECTION 1:50

LEGEND	
	EMBANKMENT/CUTTING
	WEST ABUTMENT
	PIERS
	EAST ABUTMENT
	HARDSTRIP
	FINISHED ROAD LEVEL

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P01	SB	19/10/2022	DCO Application	PG1	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

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 - Full length of piles not shown.

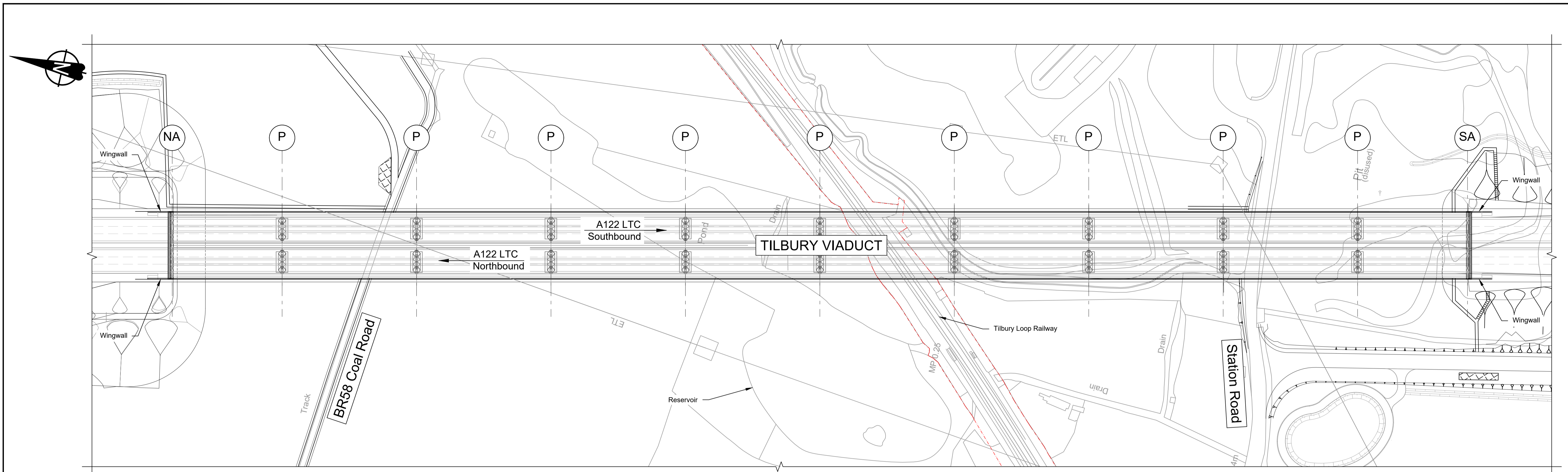


Client

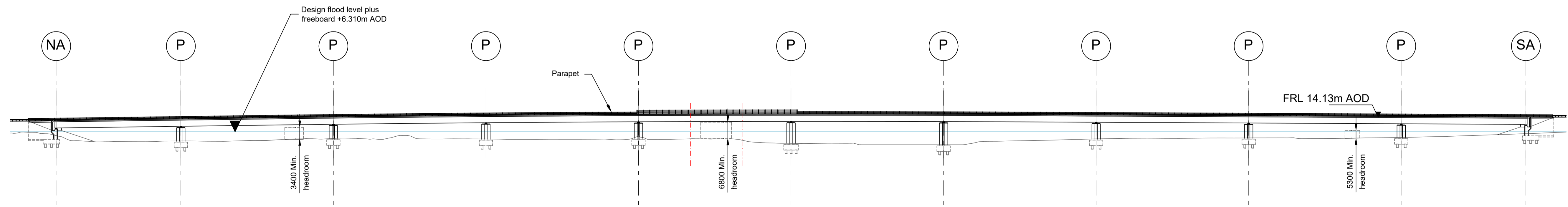
Project

LOWER THAMES CROSSING

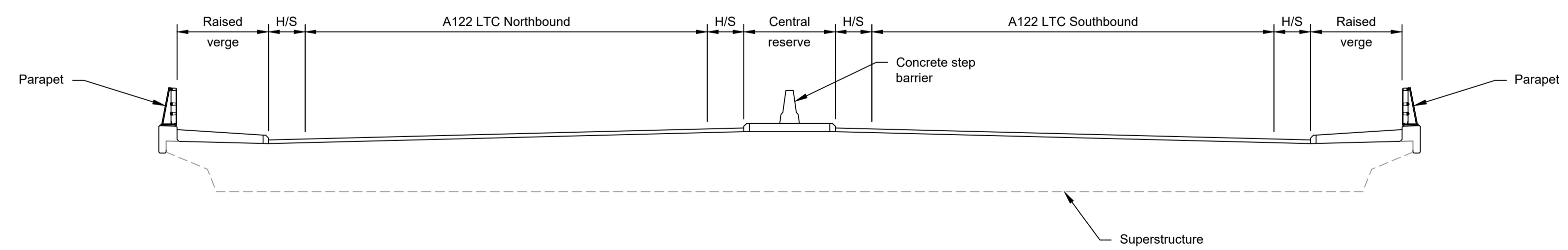
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Application Document Number	TR010032/APP/2.13	A1	P01
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Drawing title	STRUCTURES PLANS 5(2)(o)		
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	SHEET 29		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000 -DR-CB-10059		



PLAN 1:1000



ELEVATION 1:1000

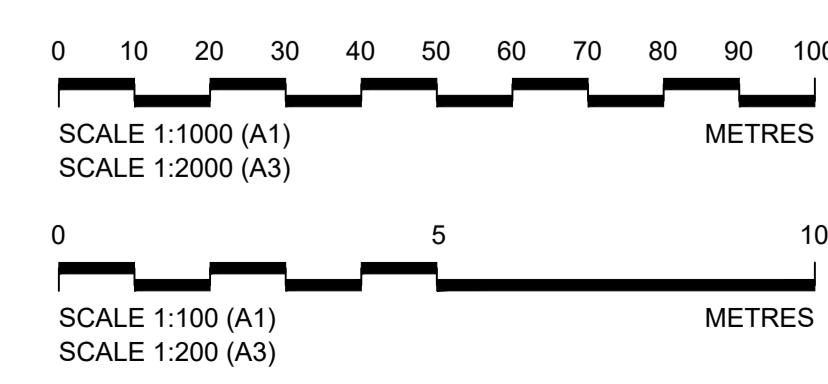


TYPICAL SECTION 1:100

LEGEND	
	EMBANKMENT/CUTTING
	NORTH ABUTMENT
	PIERS
	SOUTH ABUTMENT
	HARDSTRIP
	FINISHED ROAD LEVEL
	NETWORK RAIL LAND BOUNDARY
	DESIGN FLOOD LEVEL

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P01	SB	19/10/2022	DCO Application	PG1	BB ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd

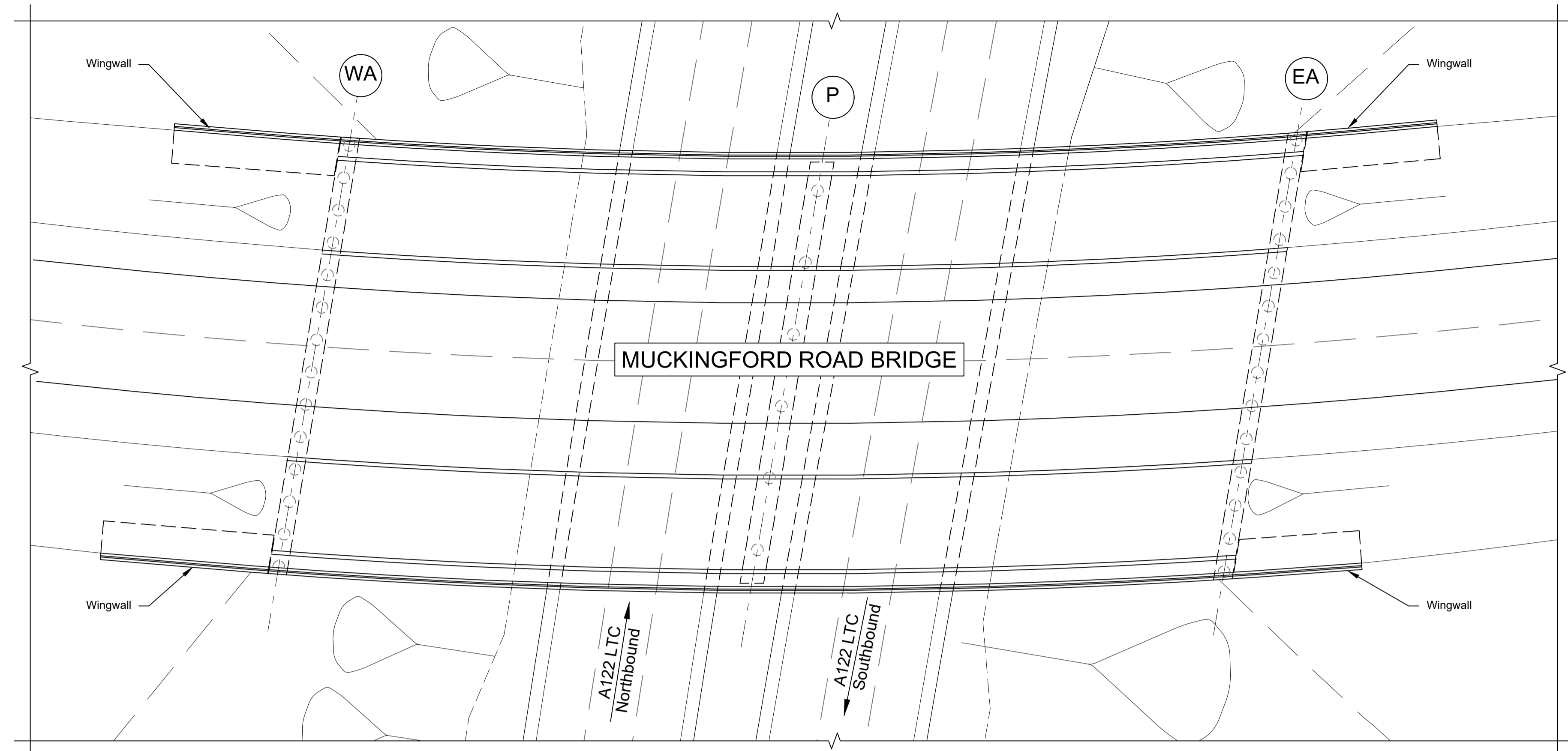
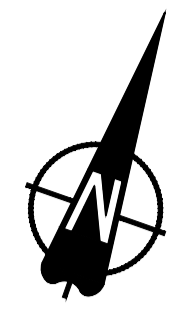
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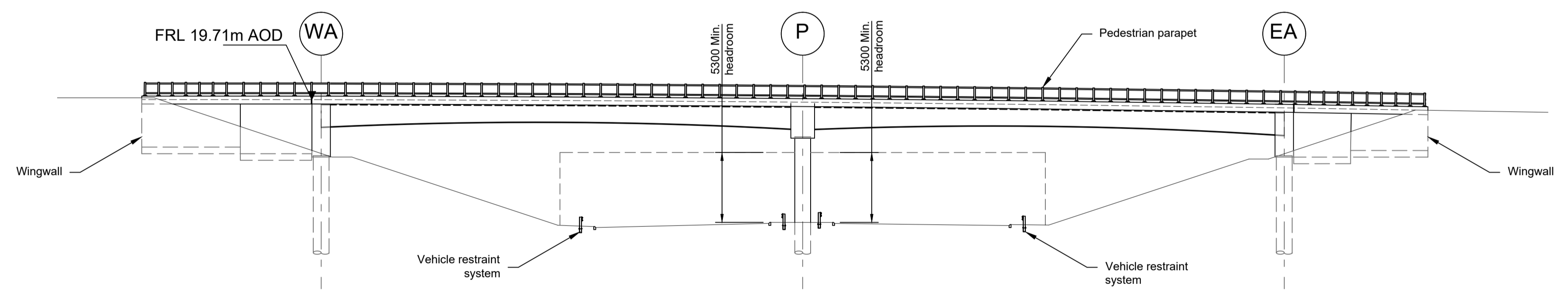
Client: national highways

Project: LOWER THAMES CROSSING

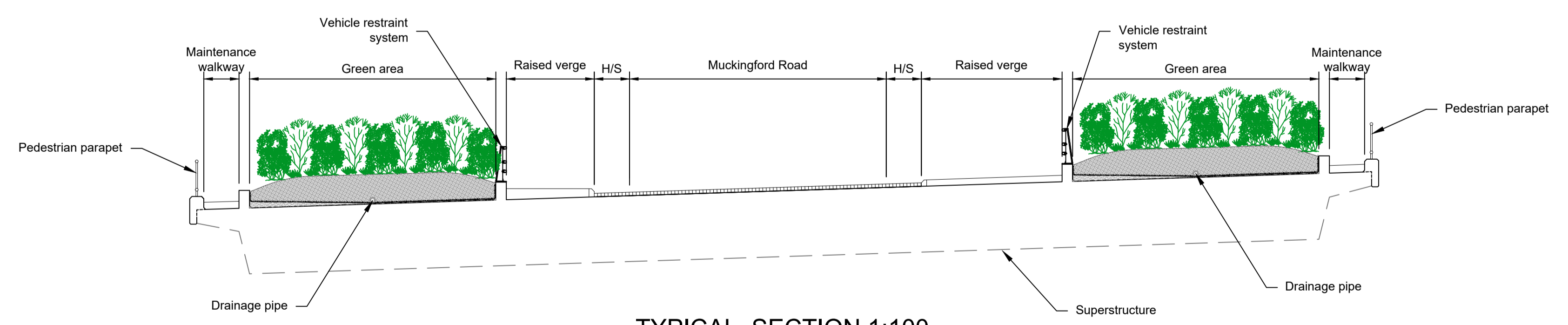
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Scale	AS SHOWN		
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Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10060		



PLAN 1:250



ELEVATION 1:250

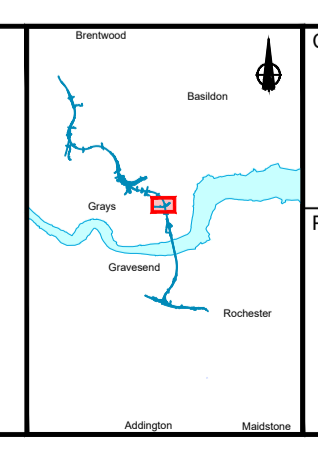
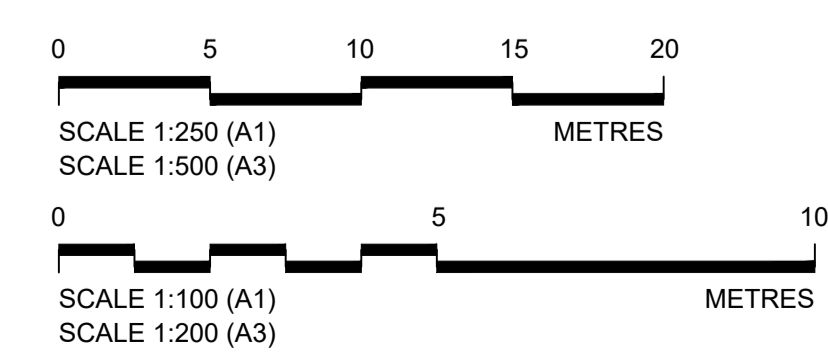


TYPICAL SECTION 1:100

LEGEND	
	EMBANKMENT/CUTTING
	WEST ABUTMENT
	PIERS
	EAST ABUTMENT
	HARDSTRIP
	FINISHED ROAD LEVEL

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P01	SB	19/10/2022	DCO Application	PG1	BB ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd
				Apprv'd	

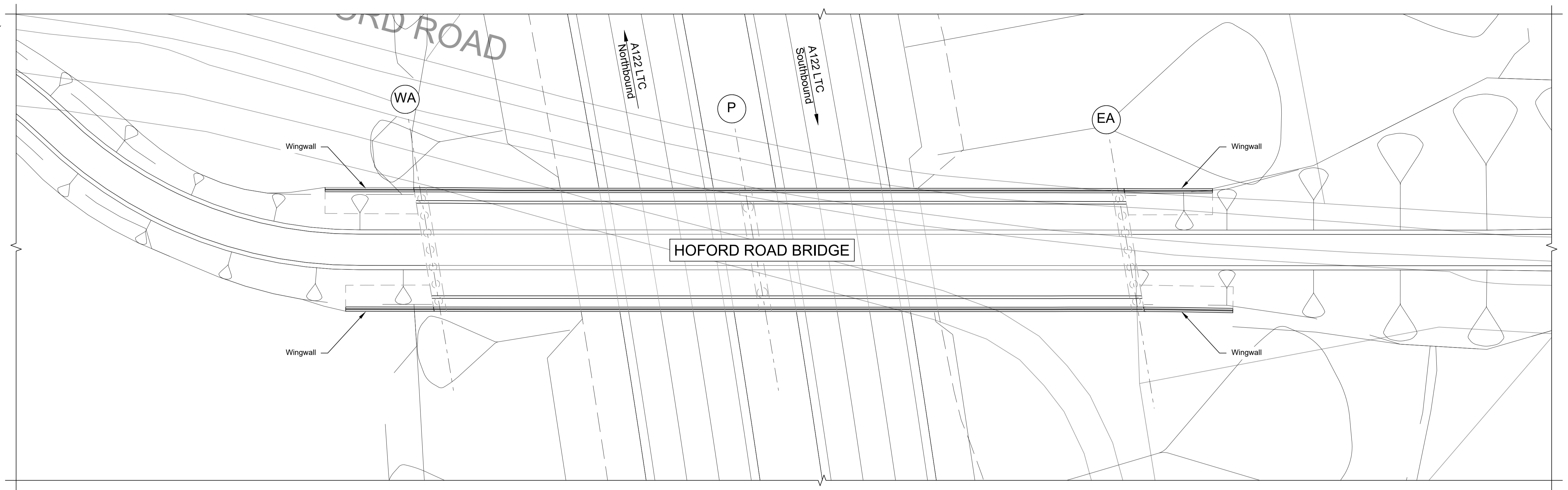
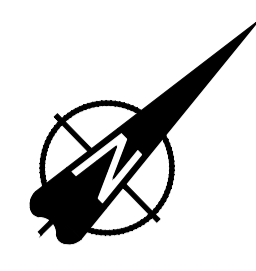
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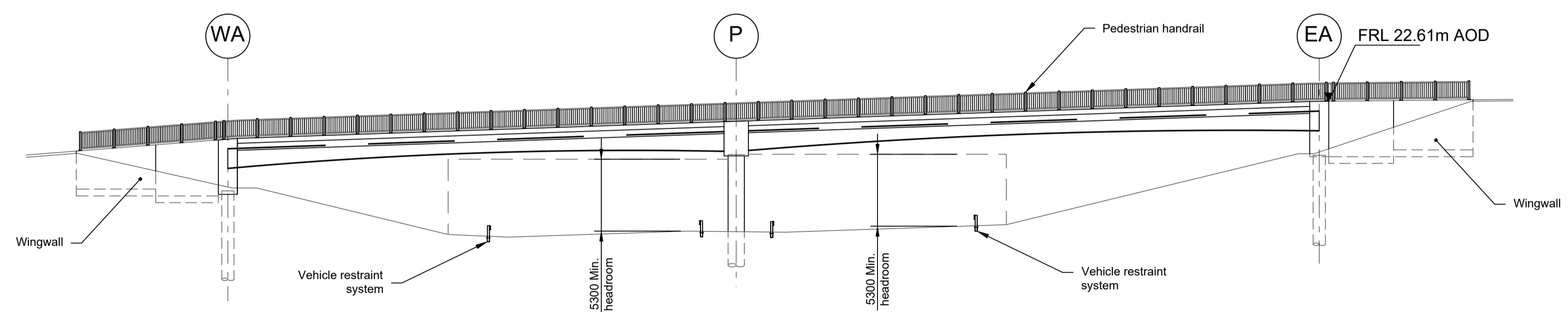
Client: national highways

Project: LOWER THAMES CROSSING

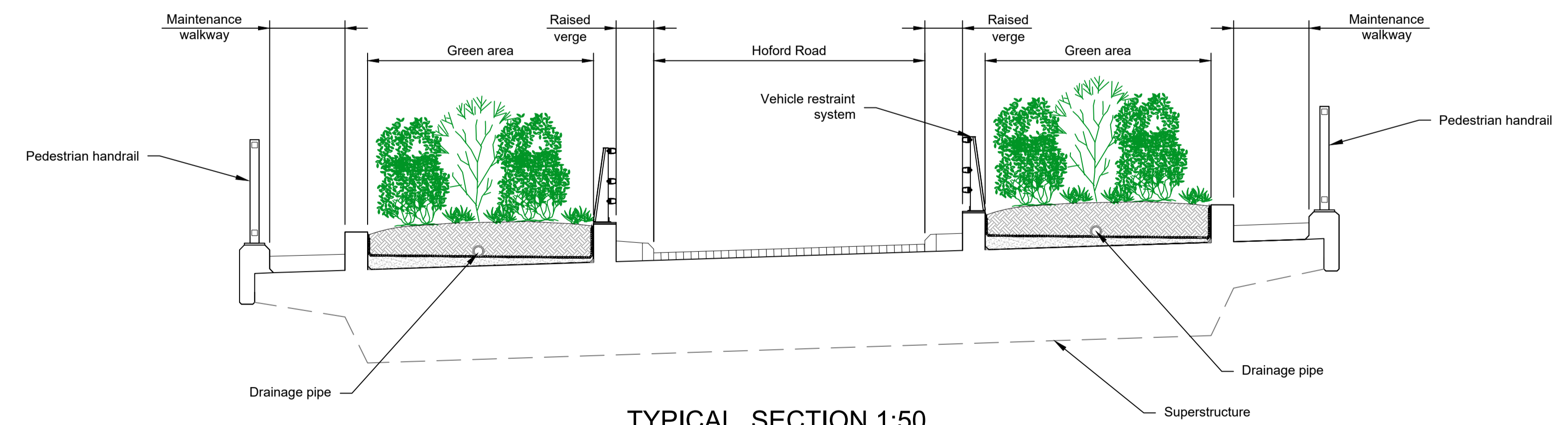
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Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10061		



PLAN 1:250



ELEVATION 1:250

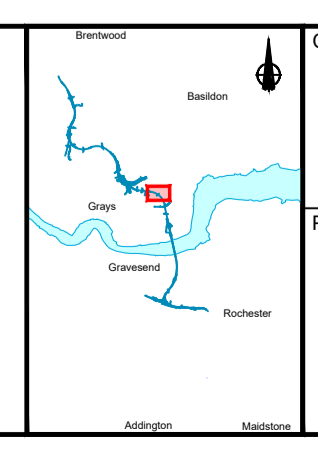
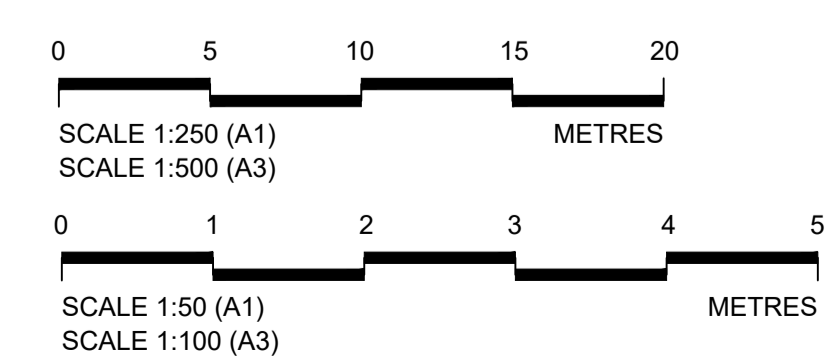


TYPICAL SECTION 1:50

LEGEND	
	EMBANKMENT/CUTTING
	WEST ABUTMENT
	PIERS
	EAST ABUTMENT
	HARDSTRIP
	FINISHED ROAD LEVEL

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P01	SB	19/10/2022	DCO Application	PG1	BB ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd
				Apprv'd	

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 - Full length of piles not shown.

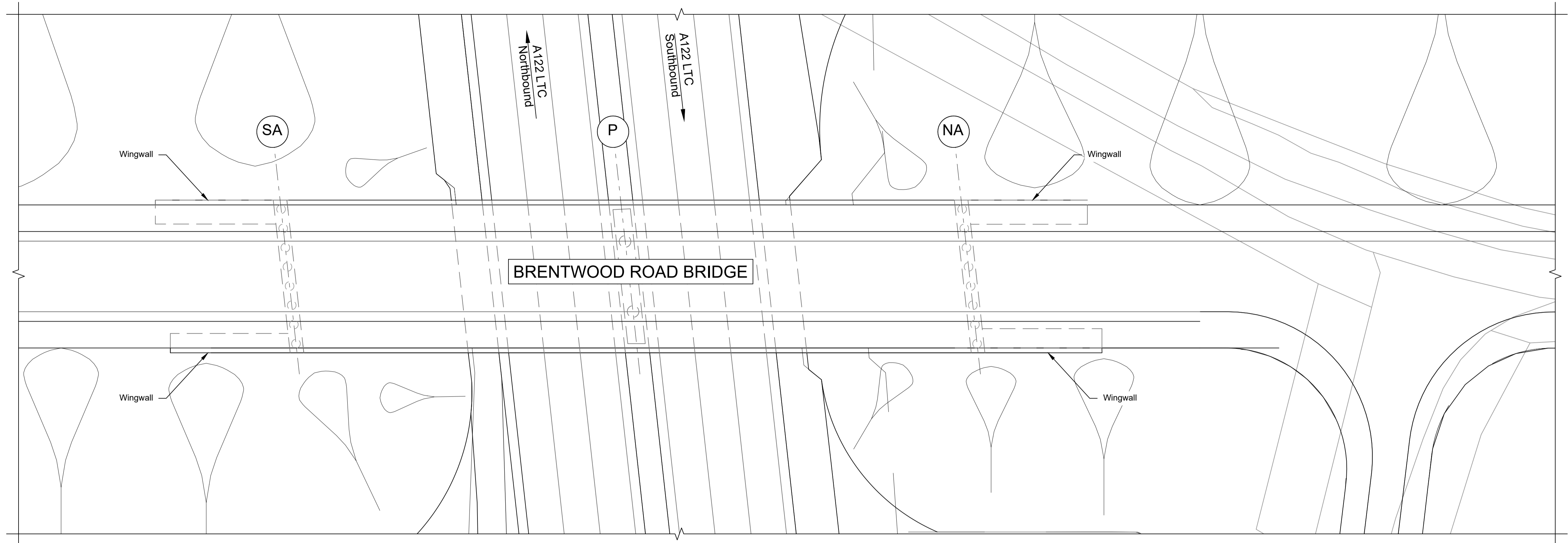
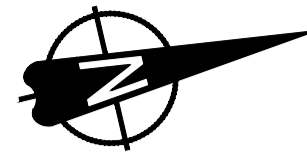


Client

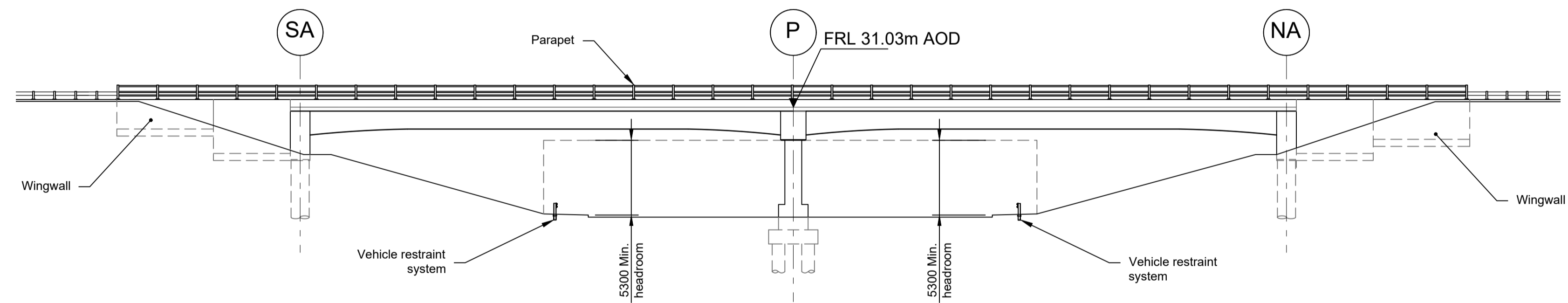
Project

LOWER THAMES CROSSING

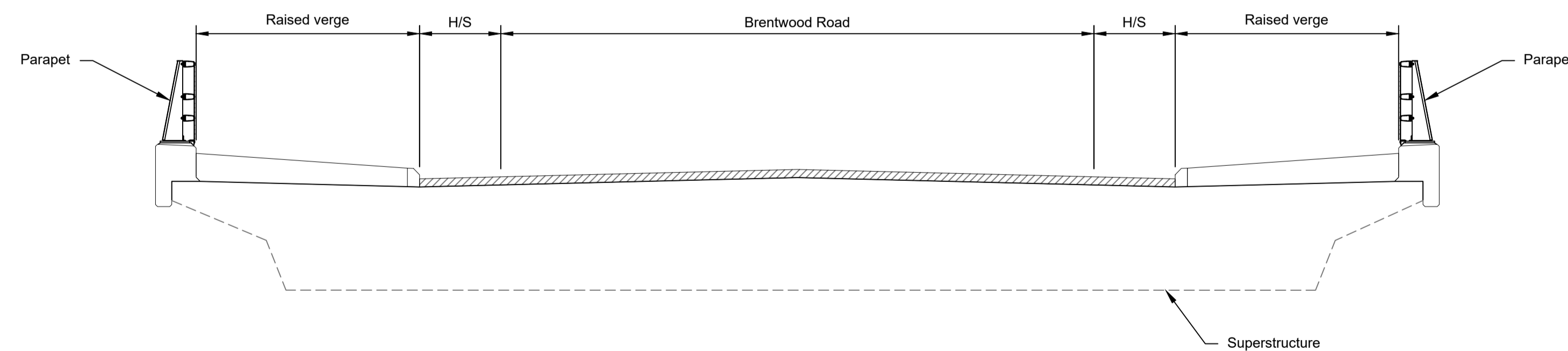
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	SHEET 32		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10062		



PLAN 1:250



ELEVATION 1:250



TYPICAL SECTION 1:50

LEGEND

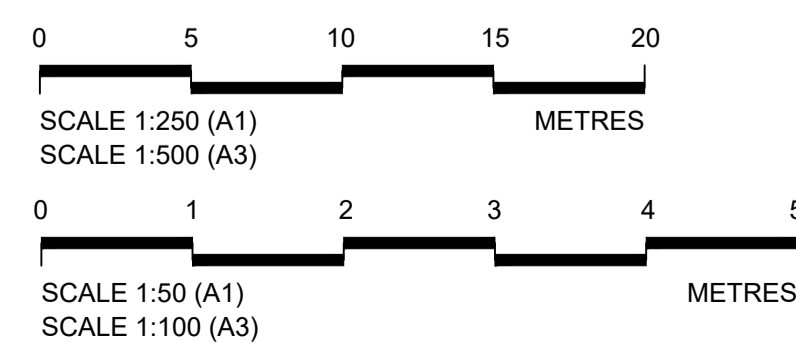
- EMBANKMENT/CUTTING
- SOUTH ABUTMENT
- PIERS
- NORTH ABUTMENT
- HARDSTRIP
- FINISHED ROAD LEVEL

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NOTES:

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8. Full length of piles not shown.

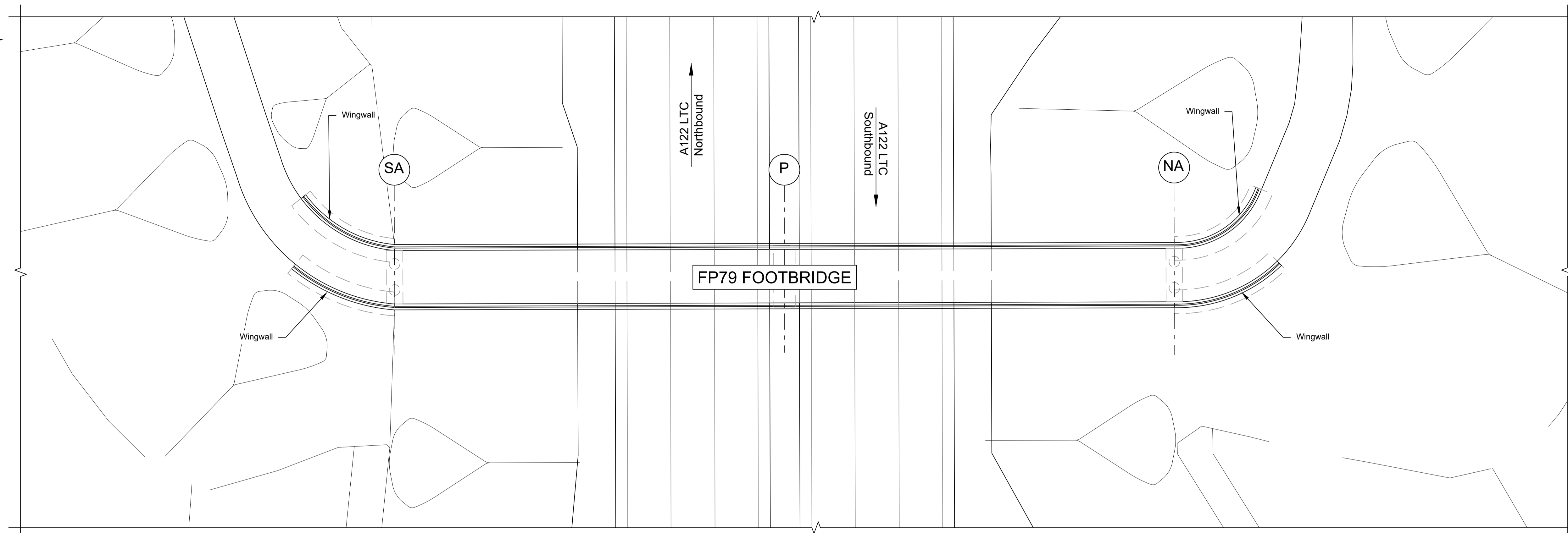
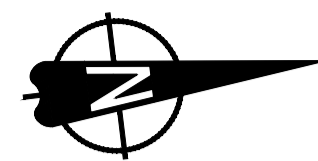
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd



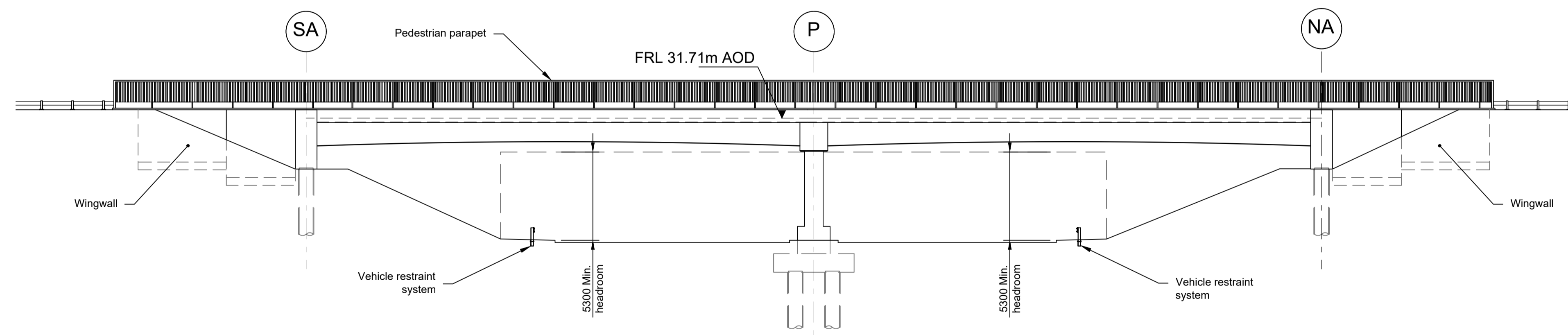
Client
national highways

Project
LOWER THAMES CROSSING

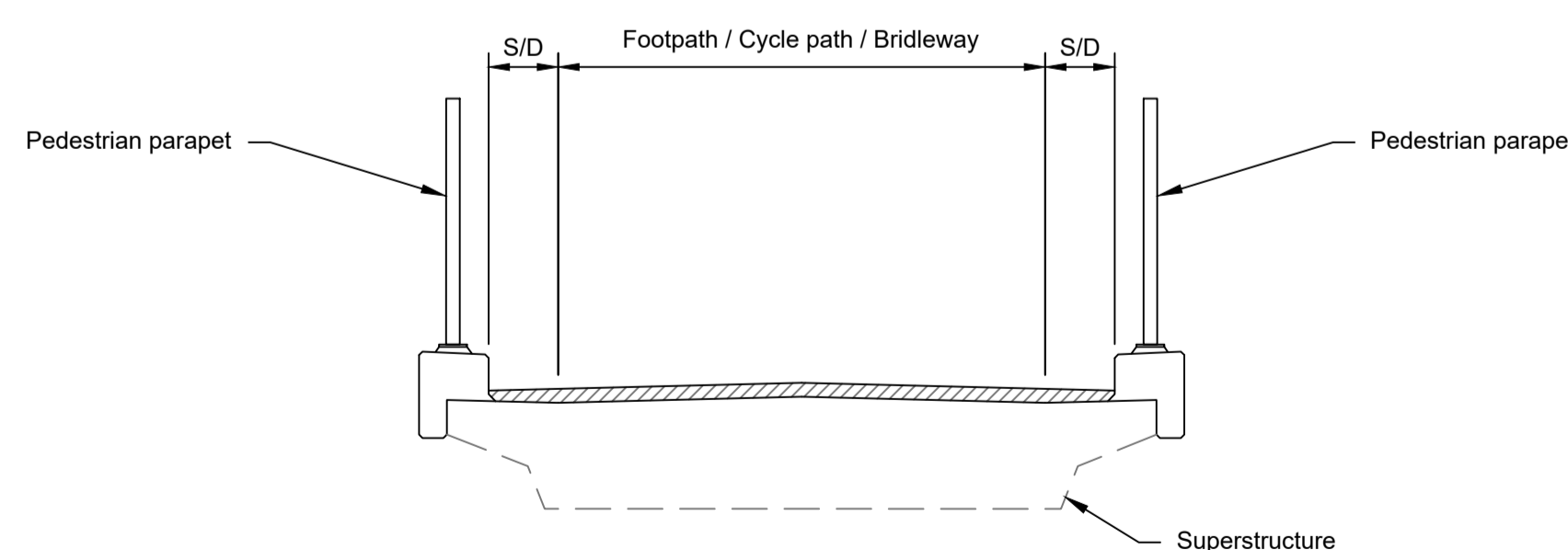
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Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10063		



PLAN 1:200



ELEVATION 1:200

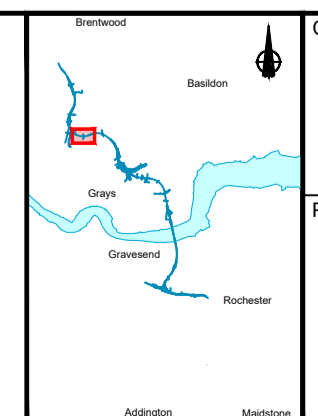
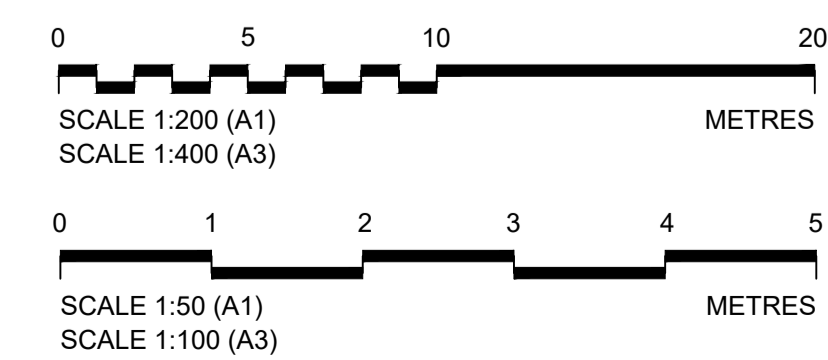


TYPICAL SECTION 1:50

LEGEND	
	EMBANKMENT/CUTTING
	SOUTH ABUTMENT
	PIERS
	NORTH ABUTMENT
S/D	SHY DISTANCE
FRL	FINISHED ROAD LEVEL

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P01	SB	19/10/2022	DCO Application	PG1	BB ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd
				Apprv'd	

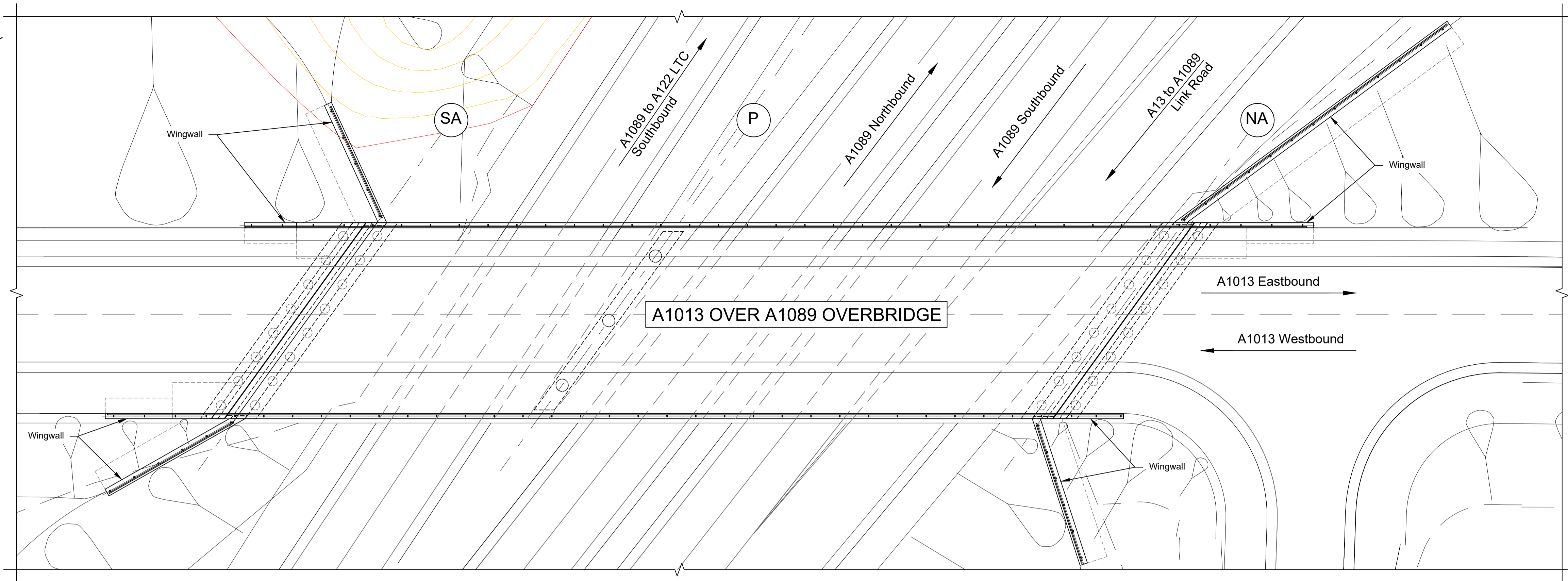
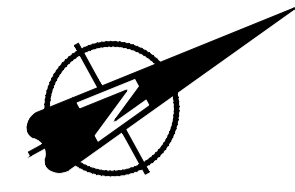
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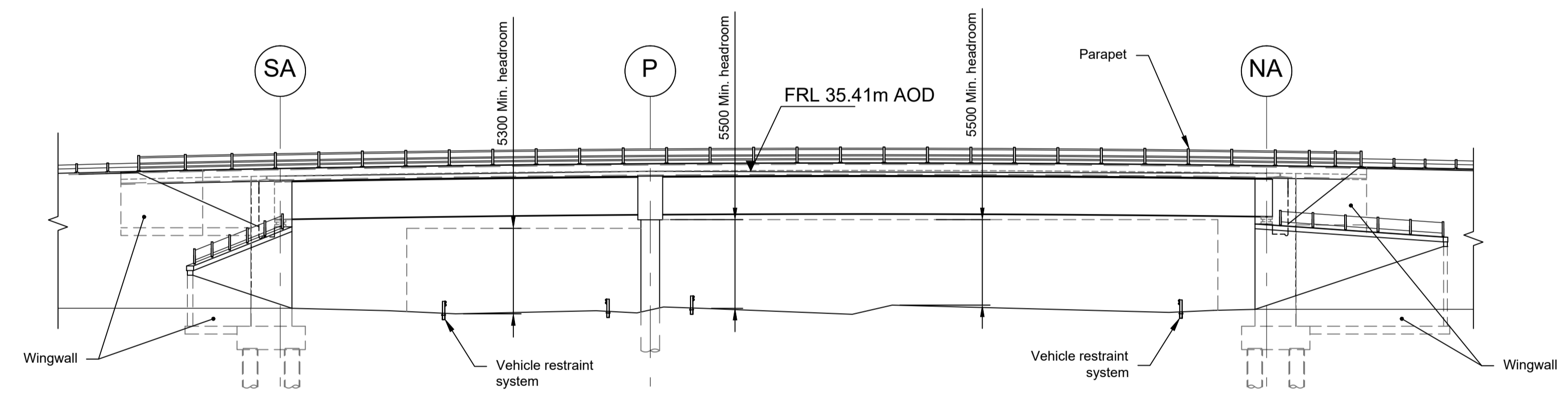
Client: **national highways**

Project: **LOWER THAMES CROSSING**

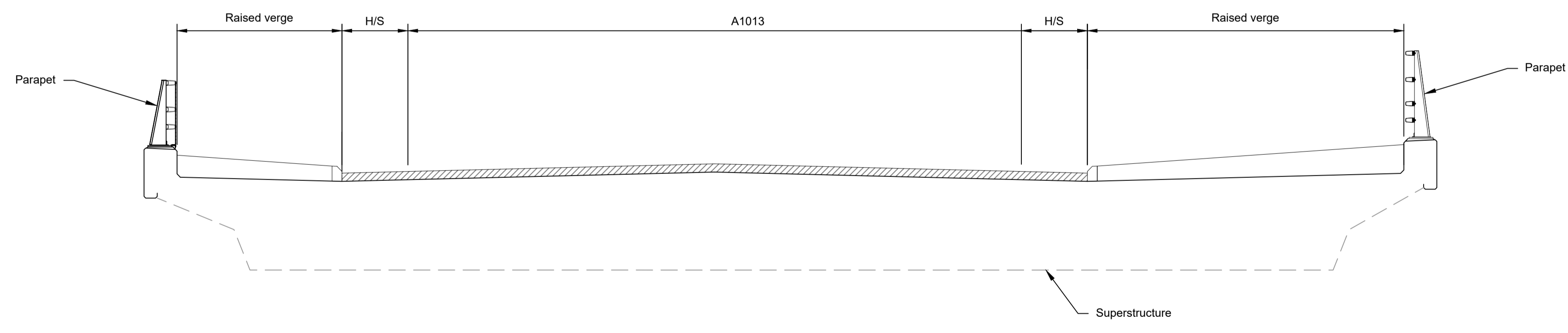
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Scale	AS SHOWN		
Drawing title	STRUCTURES PLANS 5(2)(o)		
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	SHEET 34		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10064		



PLAN 1:250



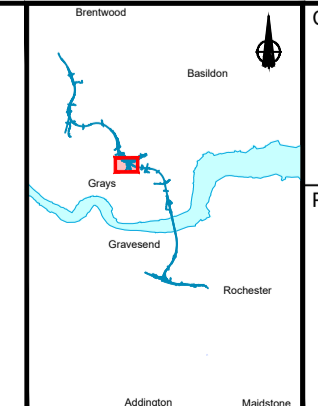
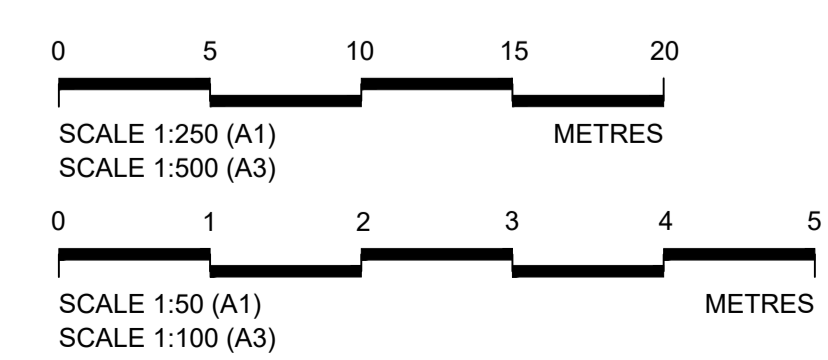
ELEVATION 1:250



TYPICAL SECTION 1:50

LEGEND	
	EMBANKMENT/CUTTING
	NORTH ABUTMENT
	PIERS
	SOUTH ABUTMENT
	HARDSTRIP
	FINISHED ROAD LEVEL

- NOTES:
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 - For Environmental details refer to the Environmental Masterplan (TR010032/APP/6.2 Fig. 2.4) and Environmental Constraints Plan (TR010032/APP/6.2 Fig. 2.3) and associated drawings and documents.
 - Drawings show engineering earthworks only. Landscaping earthworks are shown in General Arrangements Plans (TR010032/APP/2.5).
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 - All levels are in metres and relate to Ordnance datum unless stated otherwise.
 - Works numbers are described in Schedule 1 (Authorised Development) of the Development Consent Order (TR010032/APP/3.1).
 - The Highways design is shown in the Engineering Section and Drawings (TR010032/APP/2.9).
 - Full length of piles not shown.



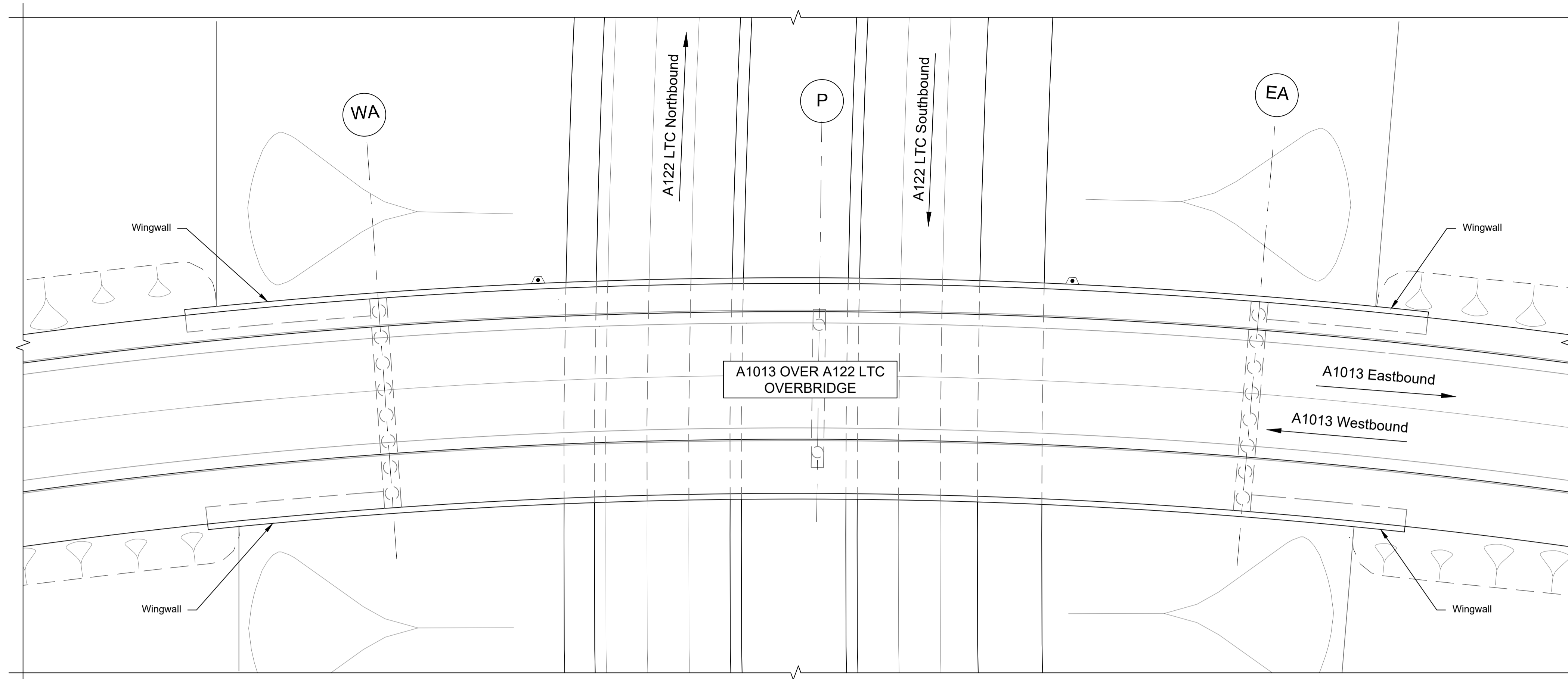
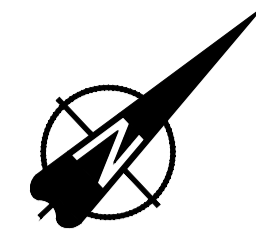
Client

Project

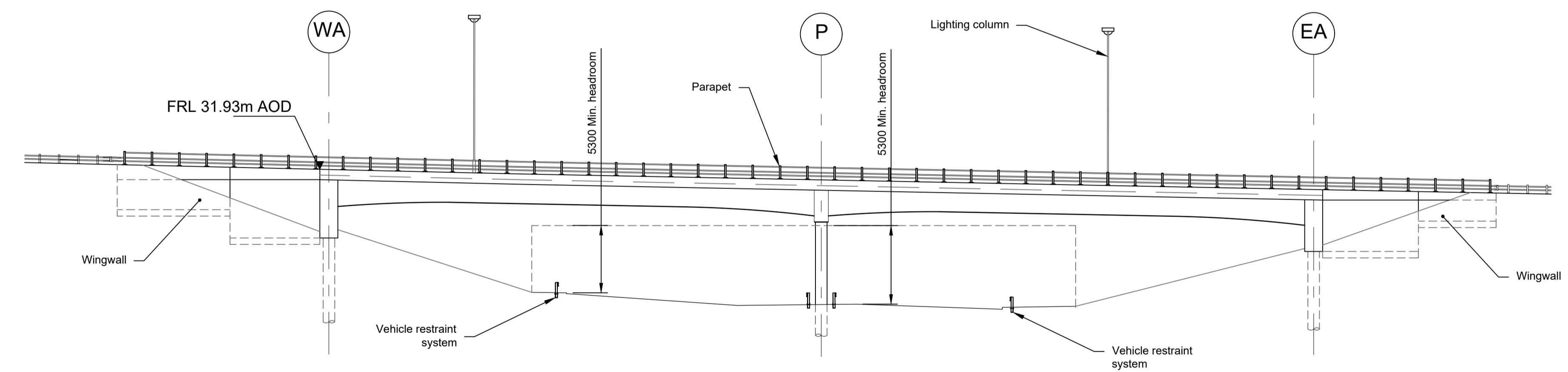
LOWER THAMES CROSSING

Status	DCO Application	Original Size	P01
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN
Drawing title	STRUCTURES PLANS 5(2)(o)		
	WORK NO. 7D		
	SHEET 35		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10065		

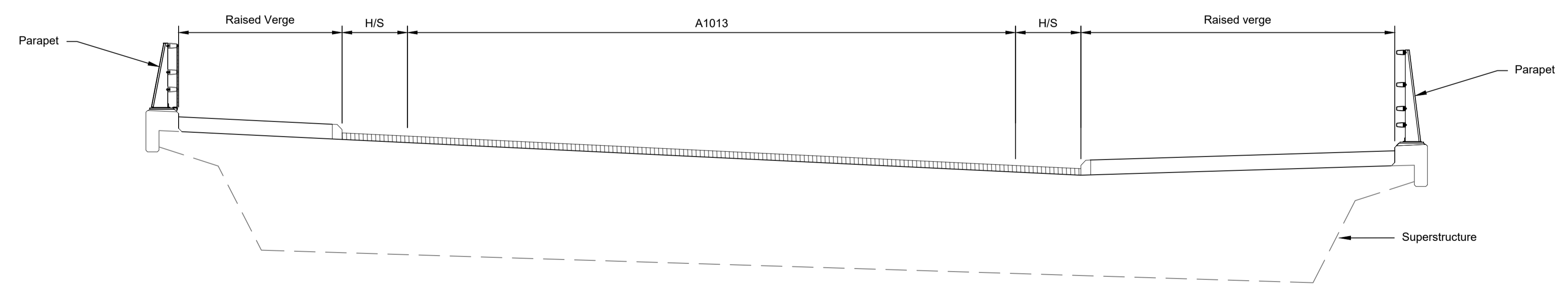
P01	SB	19/10/2022	DCO Application	PG1	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd



PLAN 1:250



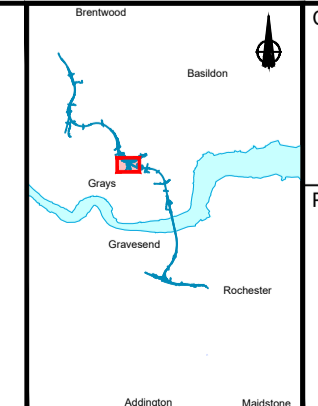
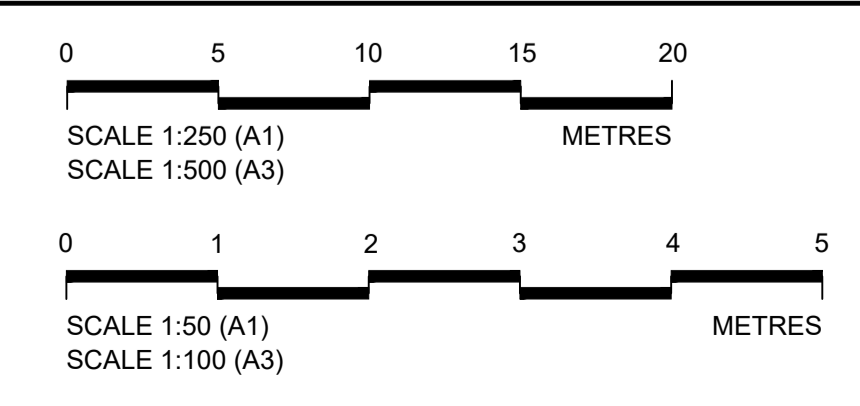
ELEVATION 1:250



TYPICAL SECTION 1:50

LEGEND	
	EMBANKMENT/CUTTING
	EAST ABUTMENT
	WEST ABUTMENT
	PIER
H/S	HARD STRIP
FRL	FINISHED FLOOR LEVEL

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 - Full length of piles not shown.

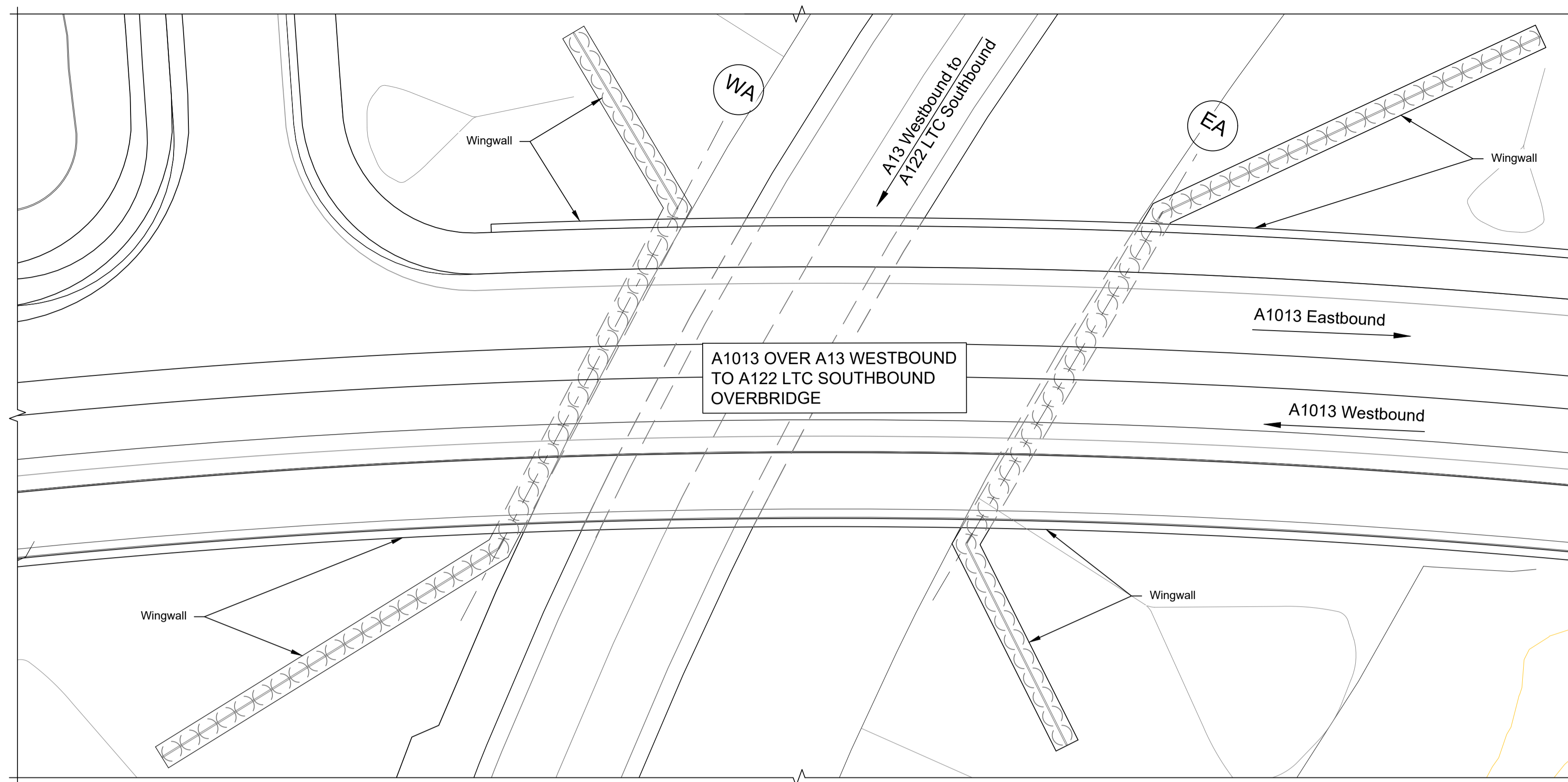


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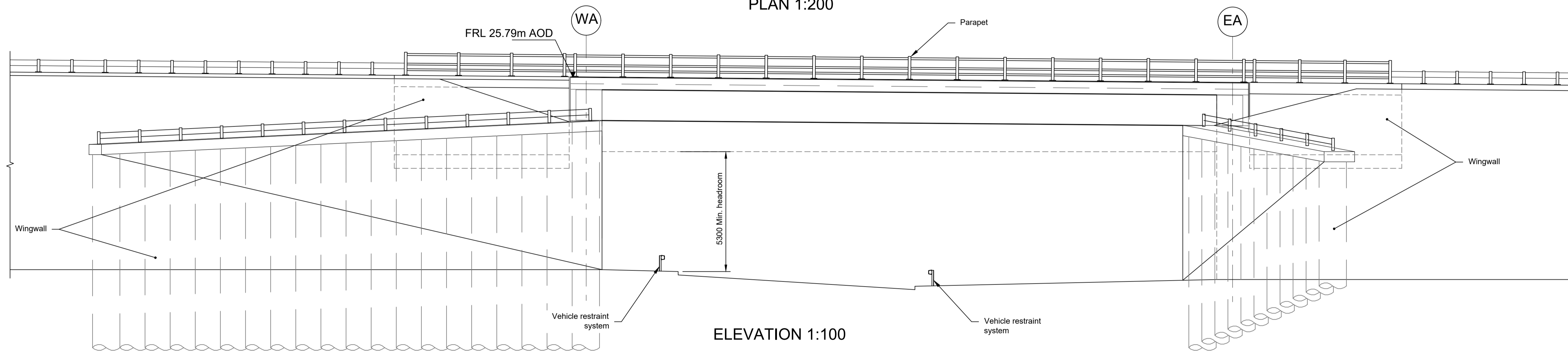
Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.13	A1	P01
Scale	AS SHOWN		
Drawing title	STRUCTURES PLANS 5(2)(o)		
	WORK NO. 7D		
	SHEET 36		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10066		

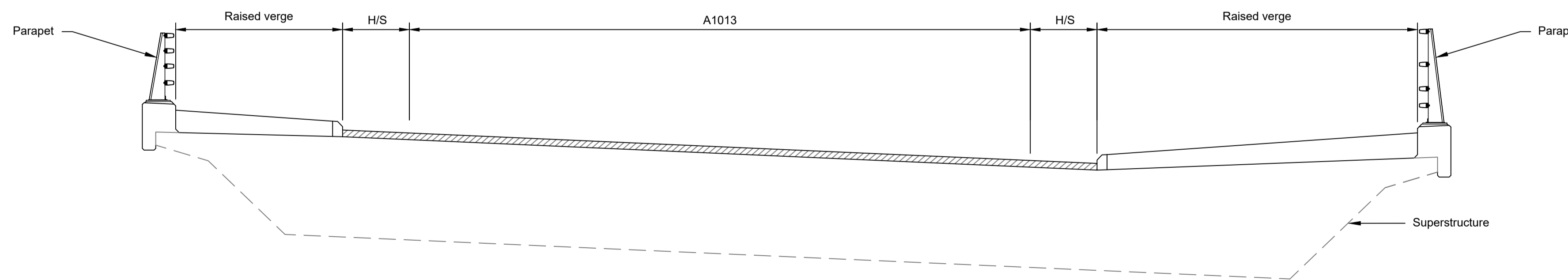
P01	SB	19/10/2022	DCO Application	PG1	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd



PLAN 1:200



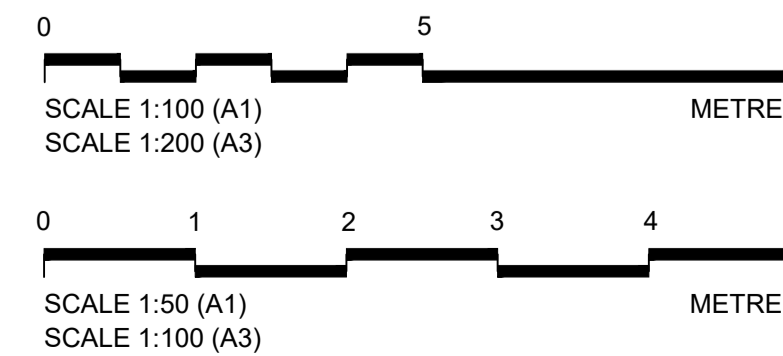
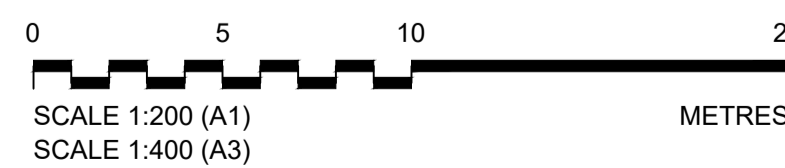
ELEVATION 1:100



TYPICAL SECTION 1:50

LEGEND	
	EMBANKMENT/CUTTING
	EAST ABUTMENT
	WEST ABUTMENT
	PIER
H/S	HARD STRIP
FRL	FINISHED ROAD LEVEL

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 - Full length of piles not shown.

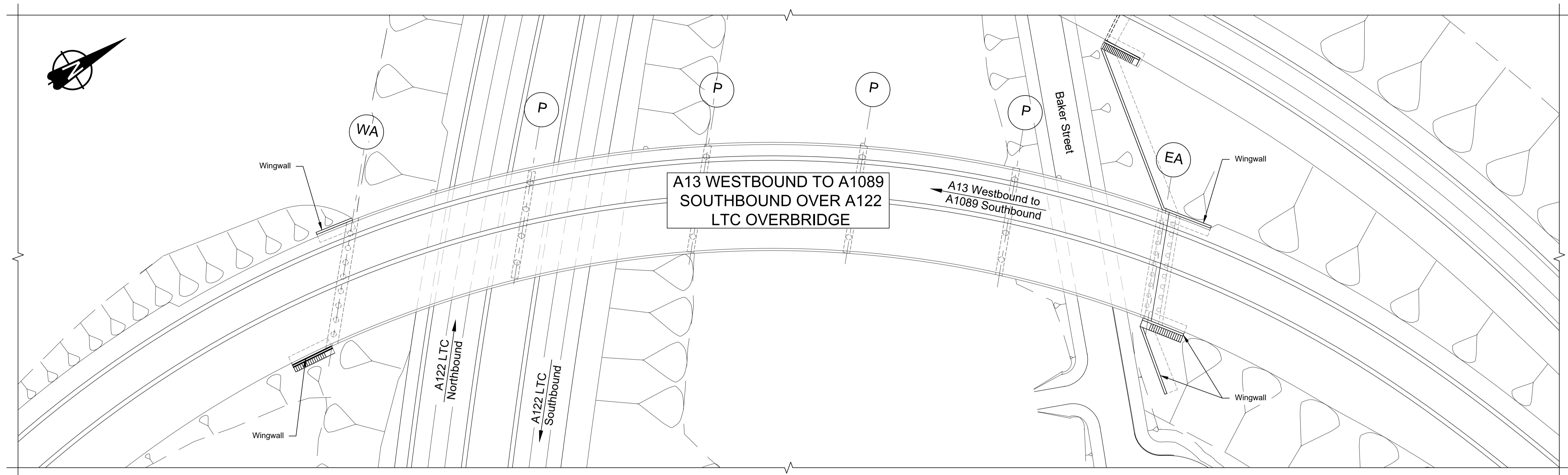


Client
national highways

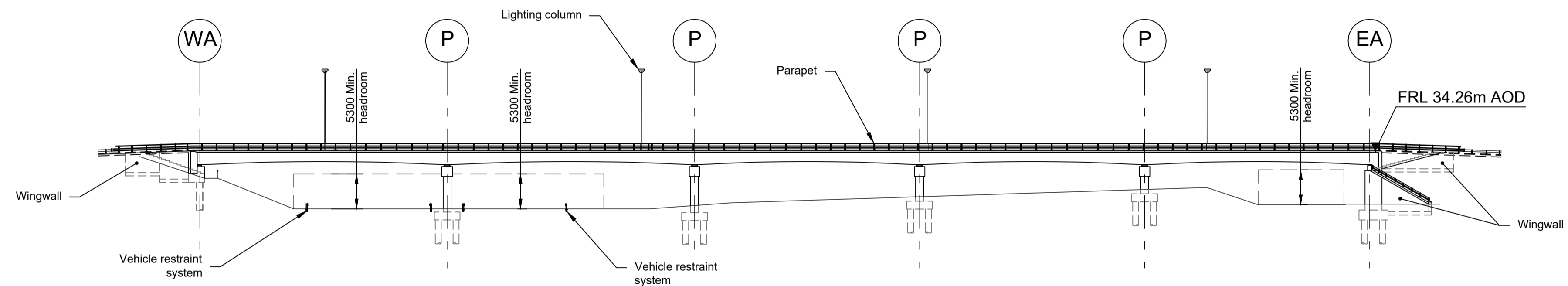
Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.13	A1	P01
Scale	AS SHOWN		
Drawing title	STRUCTURES PLANS 5(2)(o)		
	WORK NO. 7D		
	SHEET 37		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_DR-CB-10067		

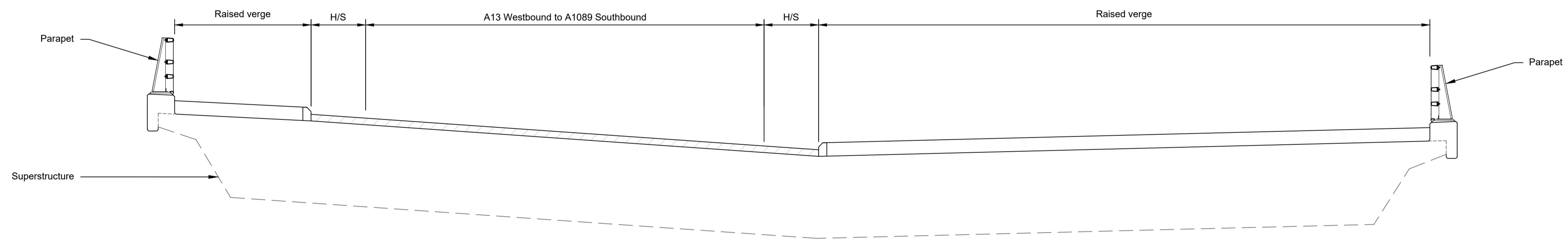
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P01	SB	19/10/2022	DCO Application	PG1	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd



PLAN 1:500



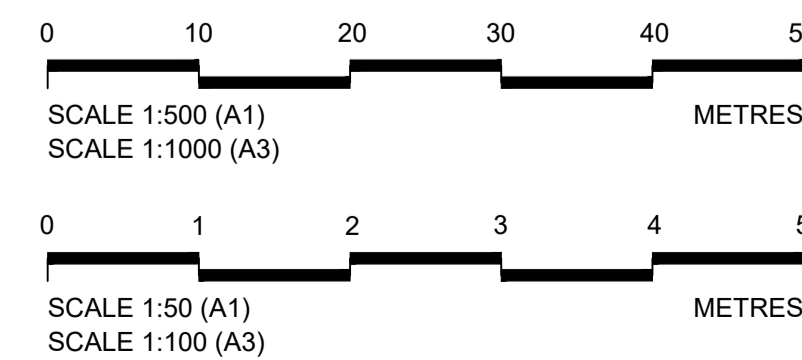
ELEVATION 1:500



TYPICAL SECTION 1:50

LEGEND	
	EMBANKMENT/CUTTING
	WEST ABUTMENT
	PIER
	EAST ABUTMENT
H/S	HARD STRIP
FRL	FINISHED GROUND LEVEL

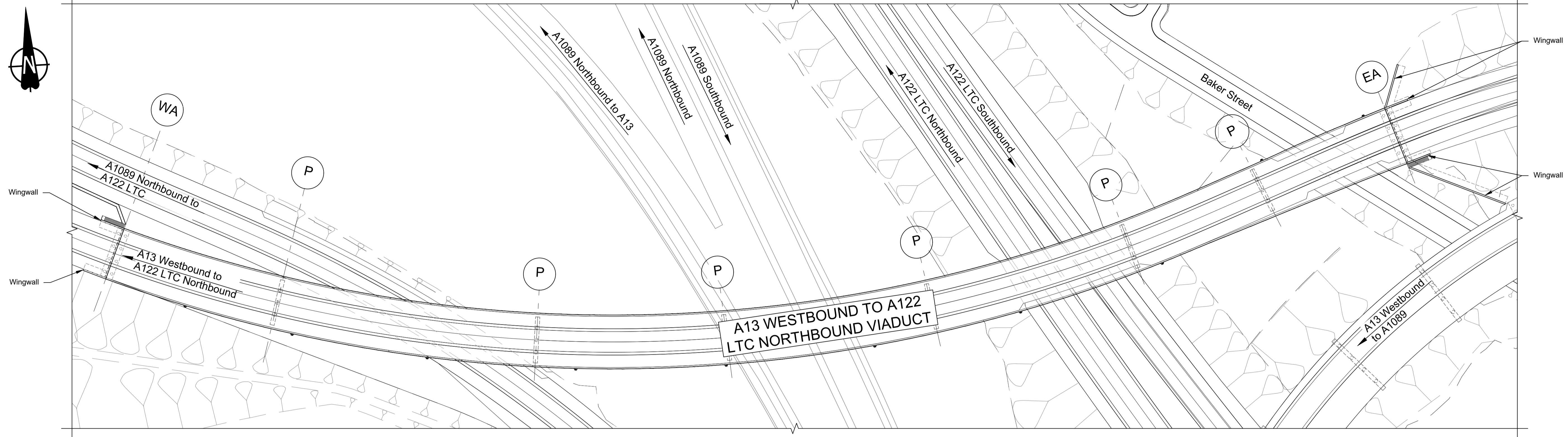
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 - Full length of piles not shown.



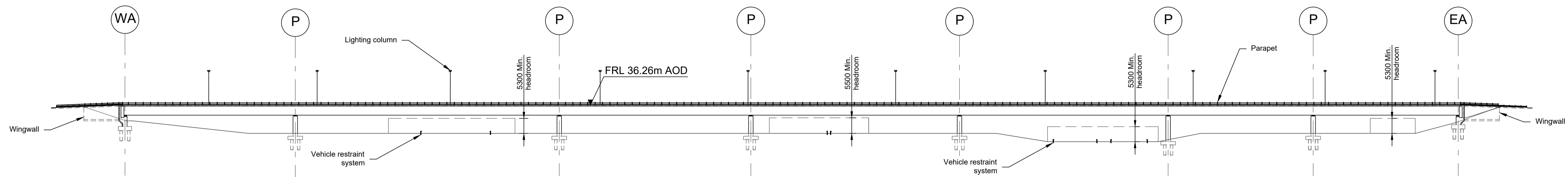
Client
 national highways
 Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	P01
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN
Drawing title	STRUCTURES PLANS 5(2)(o) WORK NO. 7E SHEET 38		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10068		

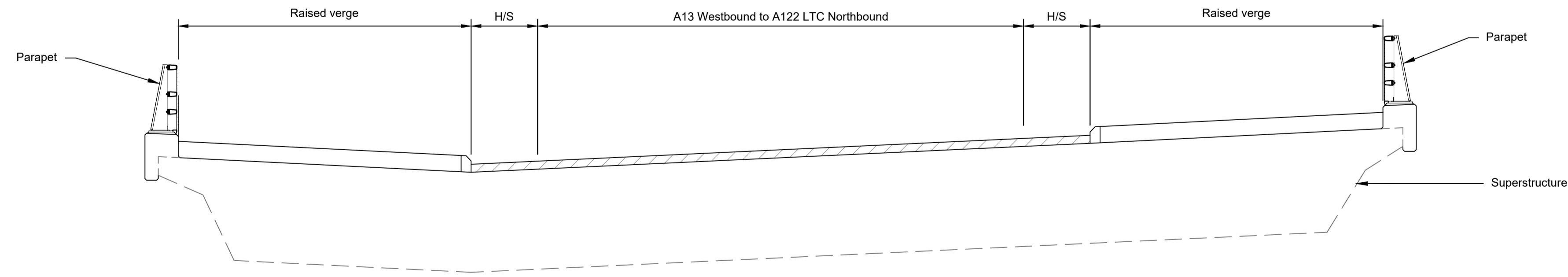
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P01	SB	19/10/2022	DCO Application	PG1	BB ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd
				Apprv'd	



PLAN 1:750



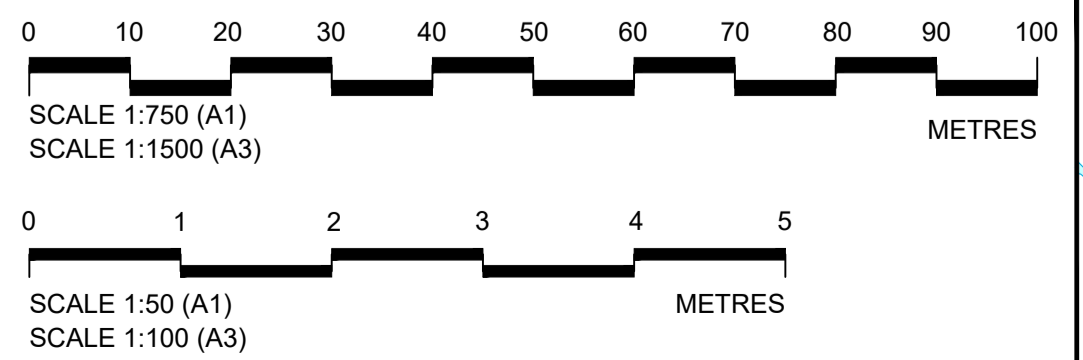
ELEVATION 1:750



TYPICAL SECTION 1:50

LEGEND	
	EMBANKMENT/CUTTING
	WEST ABUTMENT
	PIER
	EAST ABUTMENT
H/S	HARD STRIP
FRL	FINISHED ROAD LEVEL

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 - Full length of piles not shown.

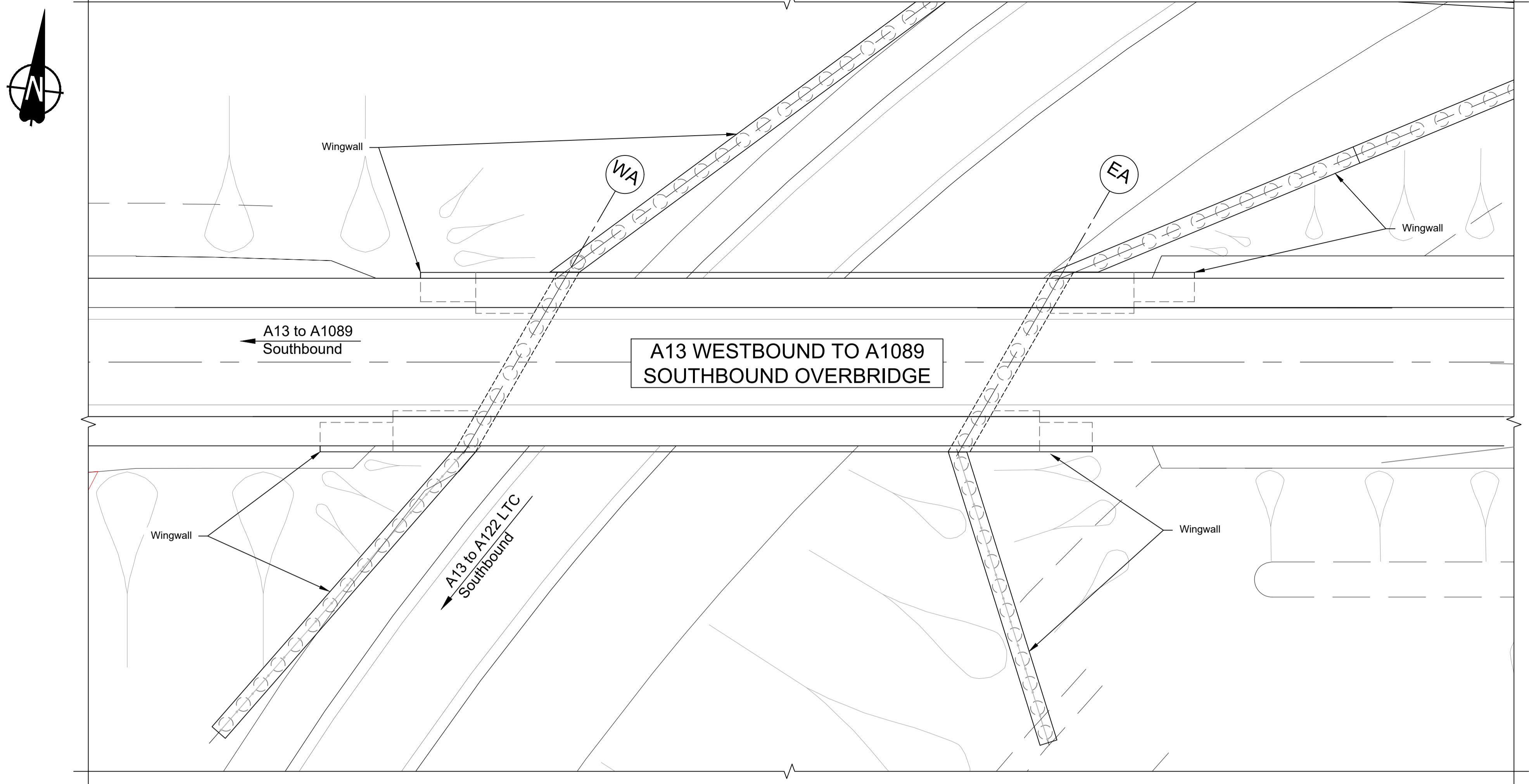


Client: **national highways**

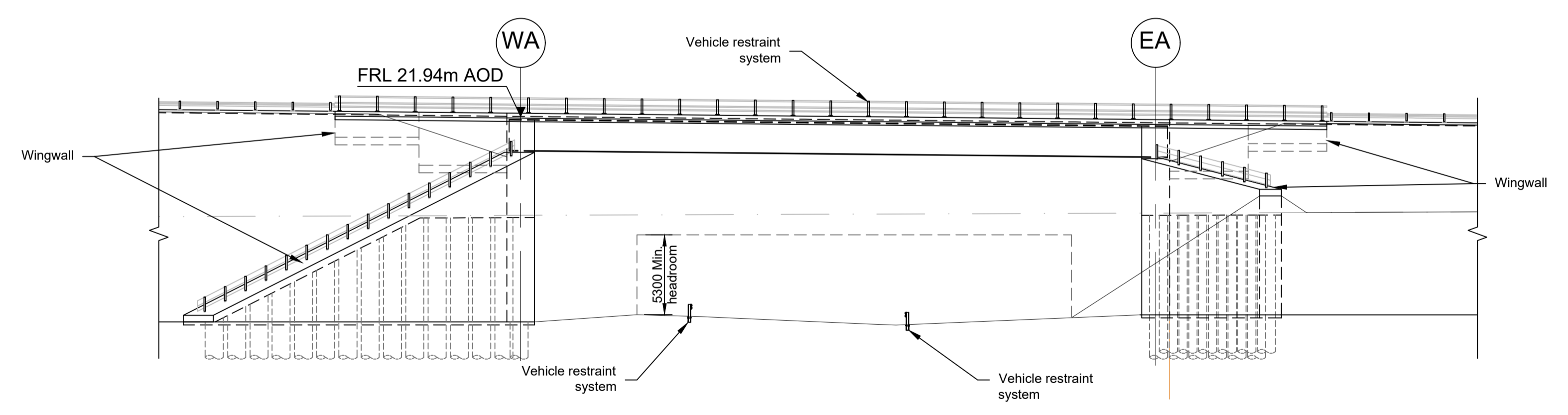
Project: **LOWER THAMES CROSSING**

Status: DCO Application	Original Size: A1	Revision: P01
Application Document Number: TR010032/APP/2.13	Scale: AS SHOWN	
Drawing title: STRUCTURES PLANS 5(2)(o) WORK NO. 7E SHEET 39		
Drawing Number: HE540039-CJV-BOP-SZZ_ST000000 -DR-CB-10069		

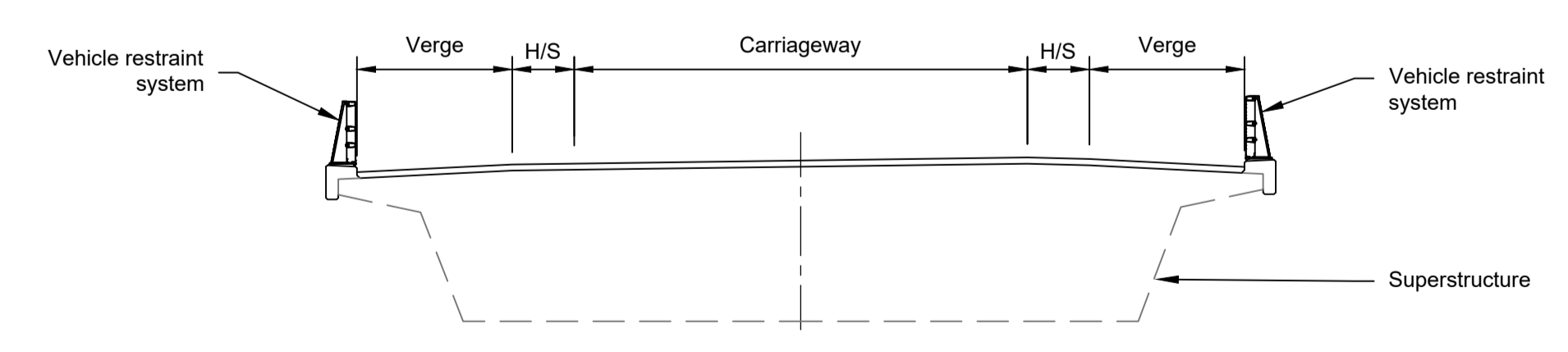
P01	SB	19/10/2022	DCO Application	PG1	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd



PLAN 1:250



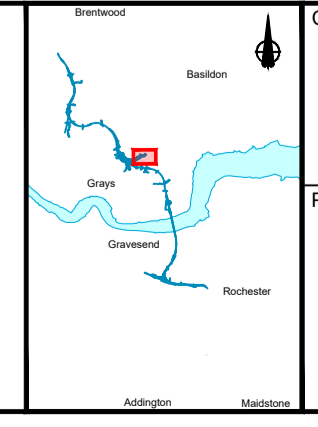
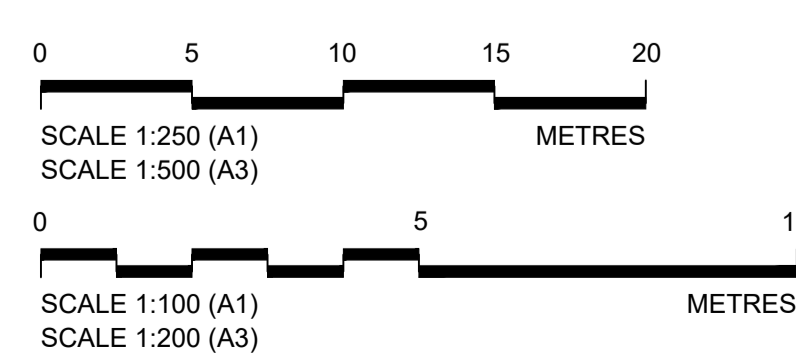
ELEVATION 1:250



TYPICAL SECTION 1:100

LEGEND	
	EMBANKMENT/CUTTING
	WEST ABUTMENT
	EAST ABUTMENT
H/S	HARDSTRIP
FRL	FINISHED ROAD LEVEL

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 - Full length of piles not shown.

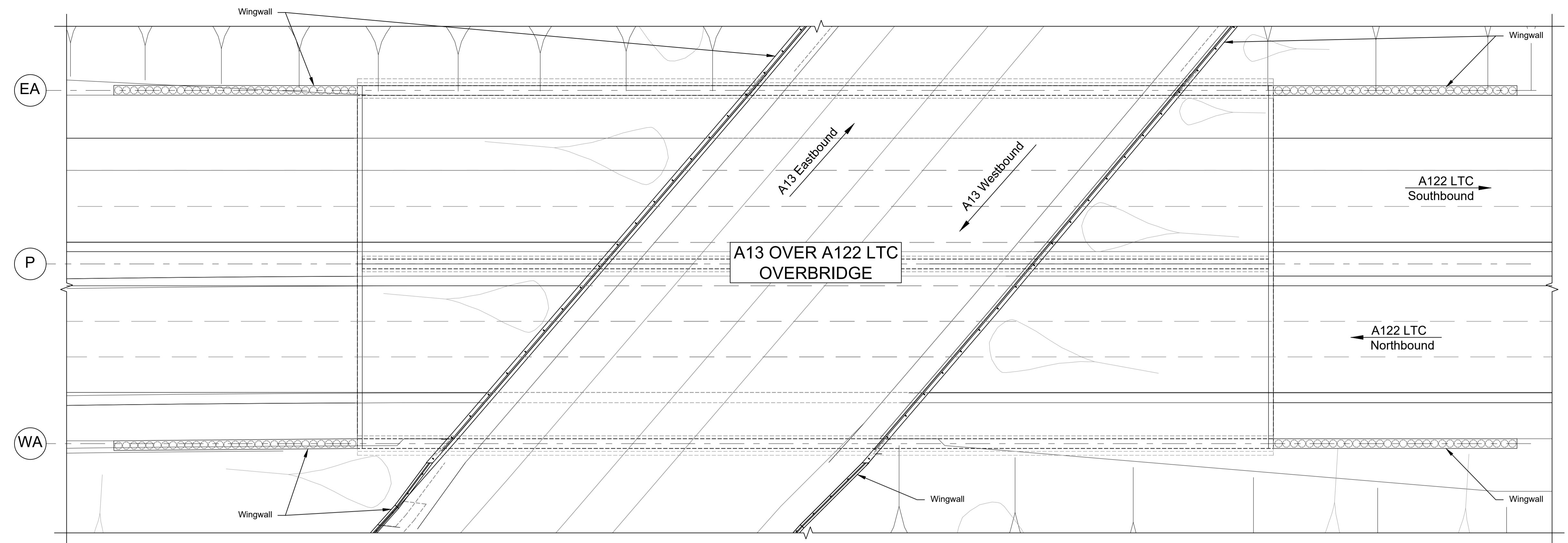
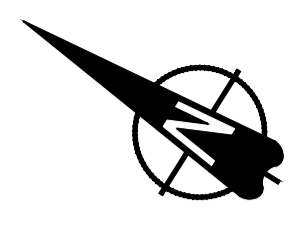


Client: **national highways**

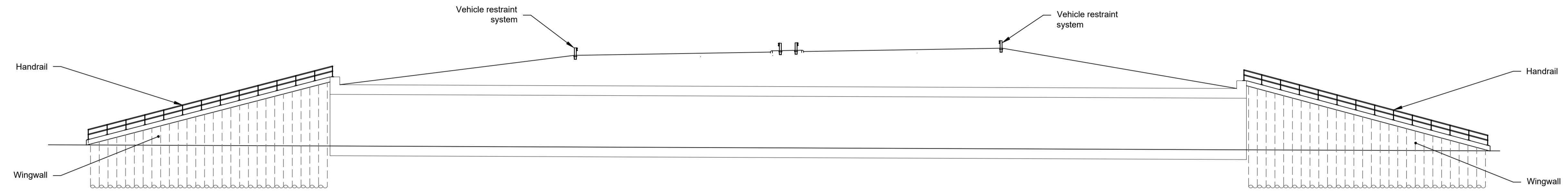
Project: **LOWER THAMES CROSSING**

Status: DCO Application	Original Size: A1	Revision: P01
Application Document Number: TR010032/APP/2.13	Scale: AS SHOWN	
Drawing title: STRUCTURES PLANS 5(2)(o)		
WORK NO. 7E		
SHEET 40		
Drawing Number: HE540039-CJV-BOP-SZZ_ST000000 -DR-CB-10070		

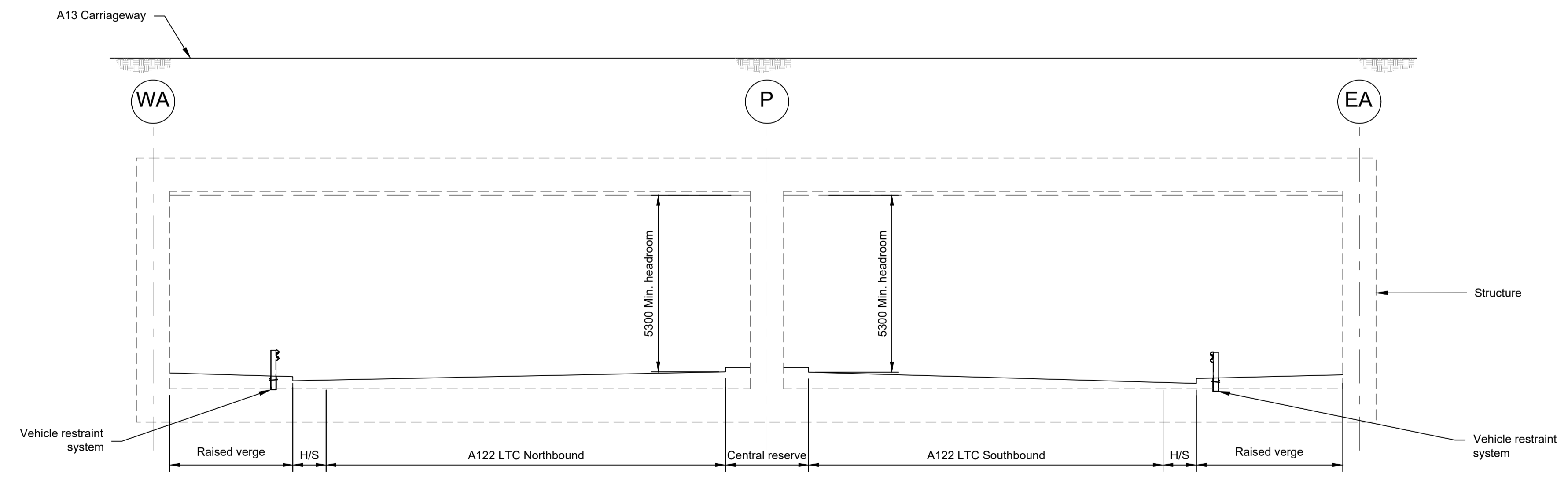
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd



PLAN 1:250



LONGITUDINAL SECTION 1:250

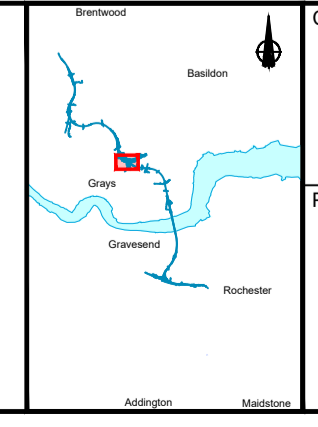
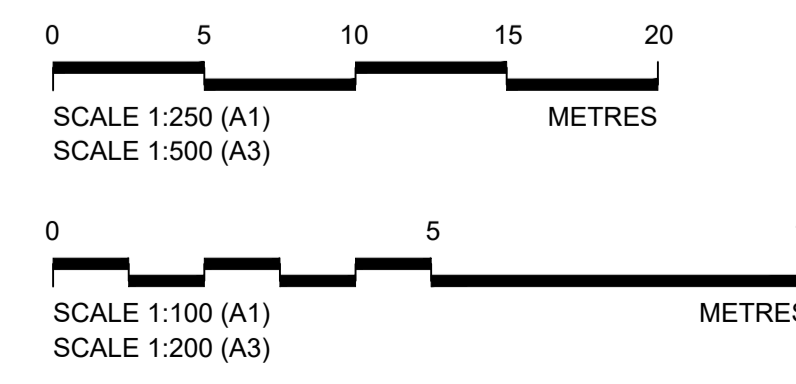


TYPICAL SECTION 1:100

LEGEND	
	EMBANKMENT/CUTTING
	WEST ABUTMENT
	PIER
	EAST ABUTMENT
	H/S HARD STRIP
	FRL FINISHED ROAD LEVEL

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P01	SB	19/10/2022	DCO Application	PG1	BB ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd Appr'd

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 - Full length of piles not shown.



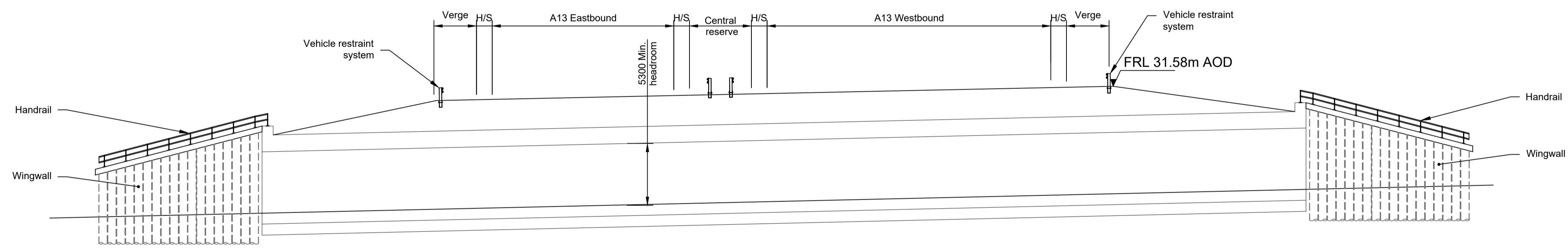
Client: **national highways**

Project: **LOWER THAMES CROSSING**

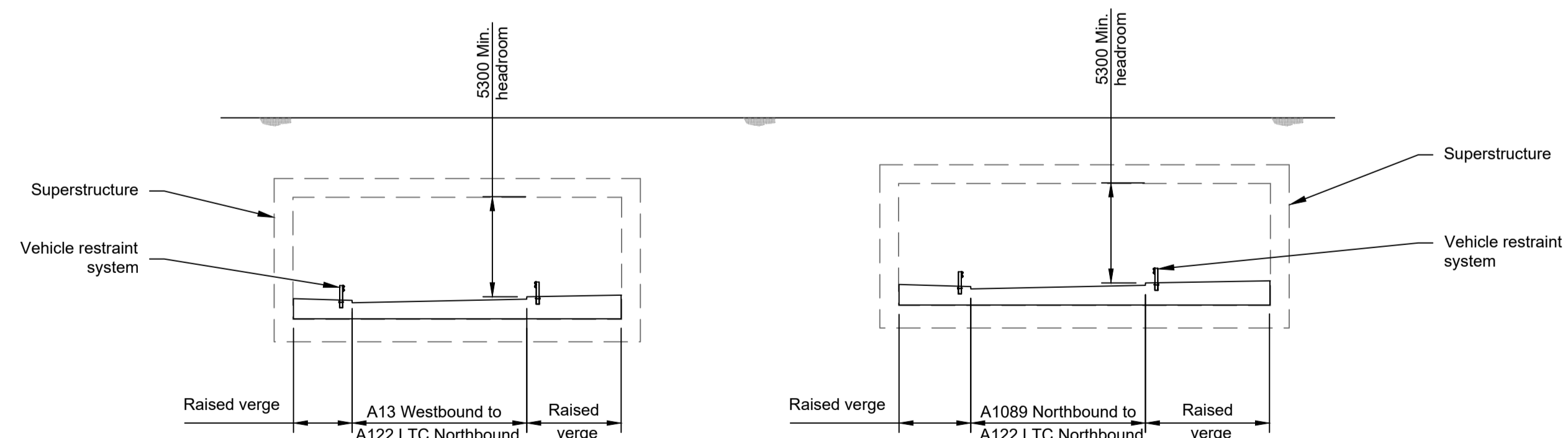
Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.13	A1	P01
Scale	AS SHOWN		
Drawing title	STRUCTURES PLANS 5(2)(o)		
	WORK NO. 7C		
	SHEET 41		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10071		



PLAN 1:500



ELEVATION 1:250

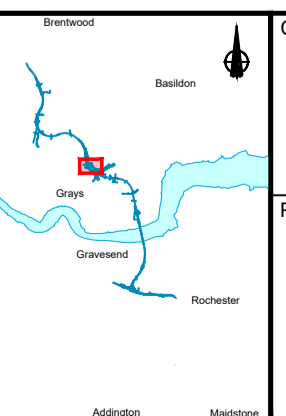
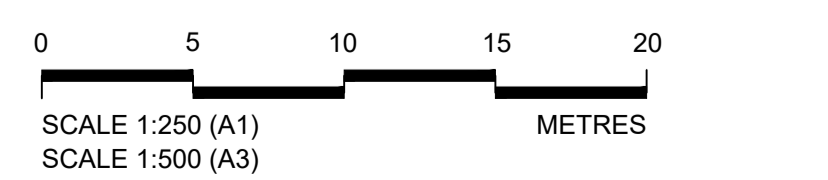
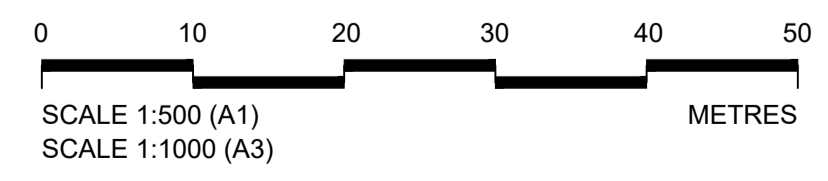
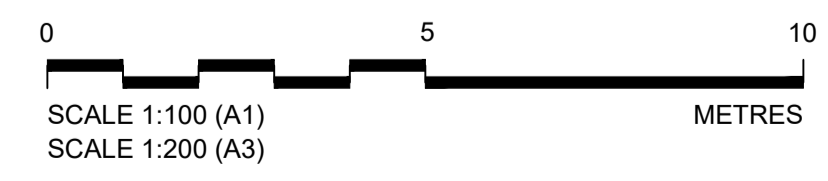


TYPICAL SECTION 1:100

LEGEND	
	EMBANKMENT/CUTTING
	H/S HARD STRIP
	FRL FINISHED ROAD LEVEL

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P01	SB	19/10/2022	DCO Application	PG1	BB ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd Apprv'd

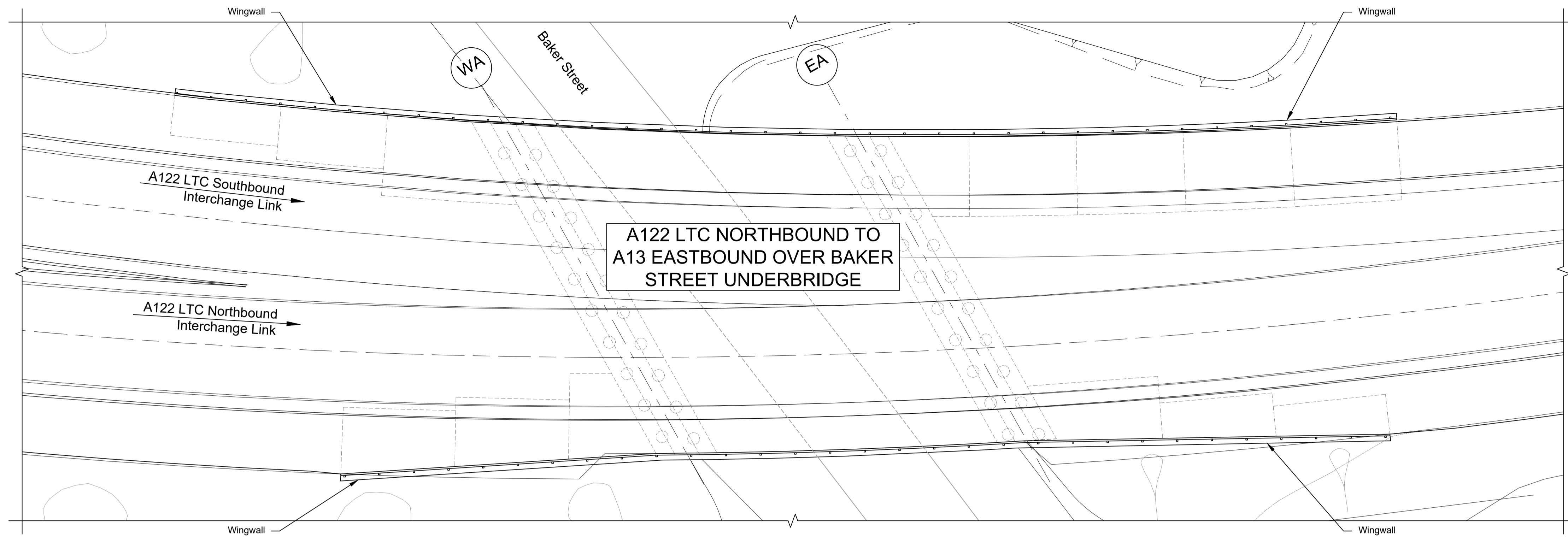
- NOTES:
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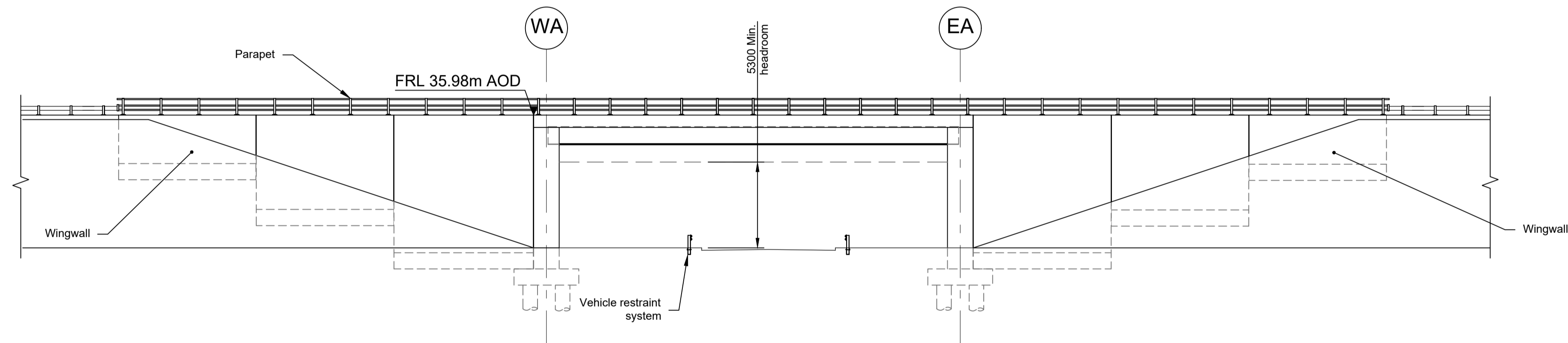
Client: national highways

Project: LOWER THAMES CROSSING

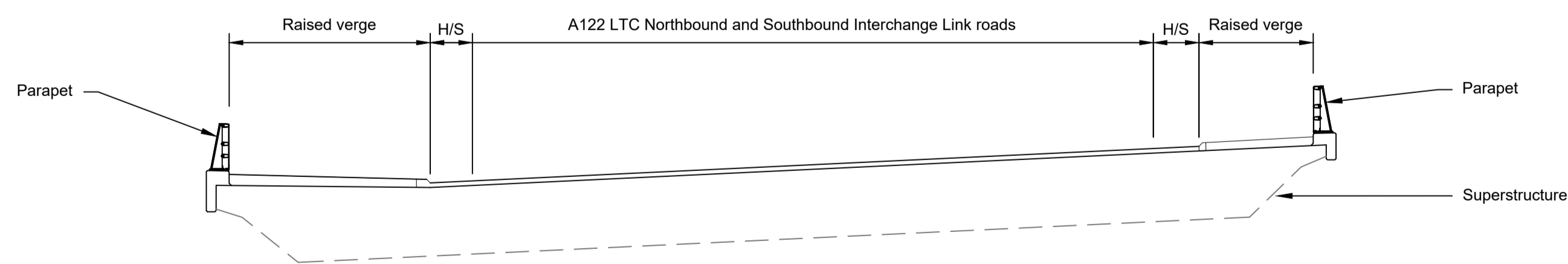
Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.13	A1	P01
Scale	AS SHOWN		
Drawing title	STRUCTURES PLANS 5(2)(o) WORK NO. 7F SHEET 42		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10072		



PLAN 1:200



ELEVATION 1:200

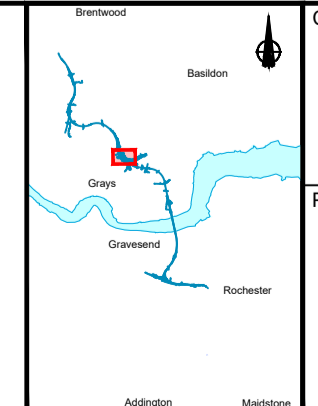
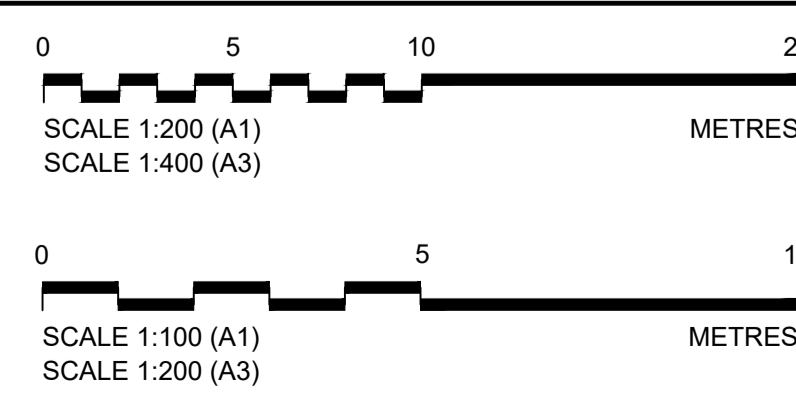


TYPICAL SECTION 1:100

LEGEND	
	EMBANKMENT/CUTTING
	WEST ABUTMENT
	EAST ABUTMENT
	HARD STRIP
	FINISHED ROAD LEVEL

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P01	SB	19/10/2022	DCO Application	PG1	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

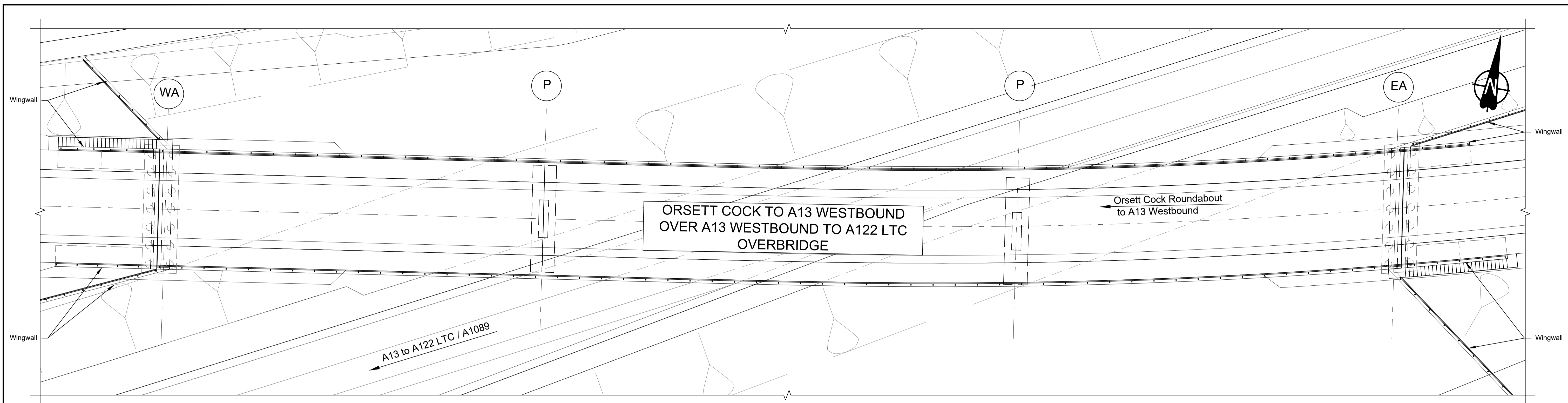
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 - Full length of piles not shown.



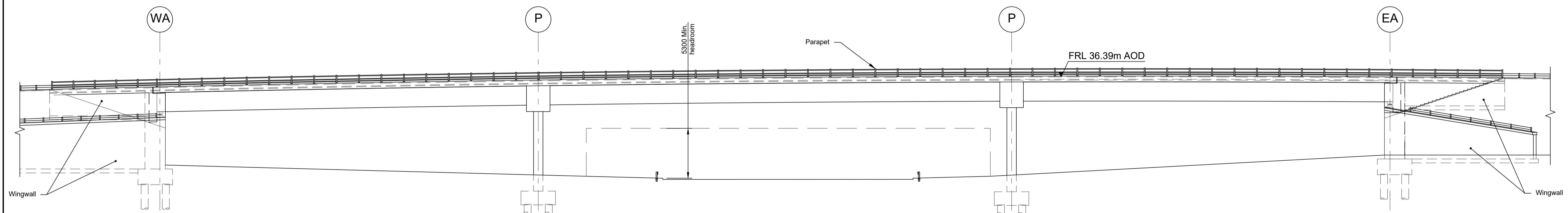
Client:

Project: LOWER THAMES CROSSING

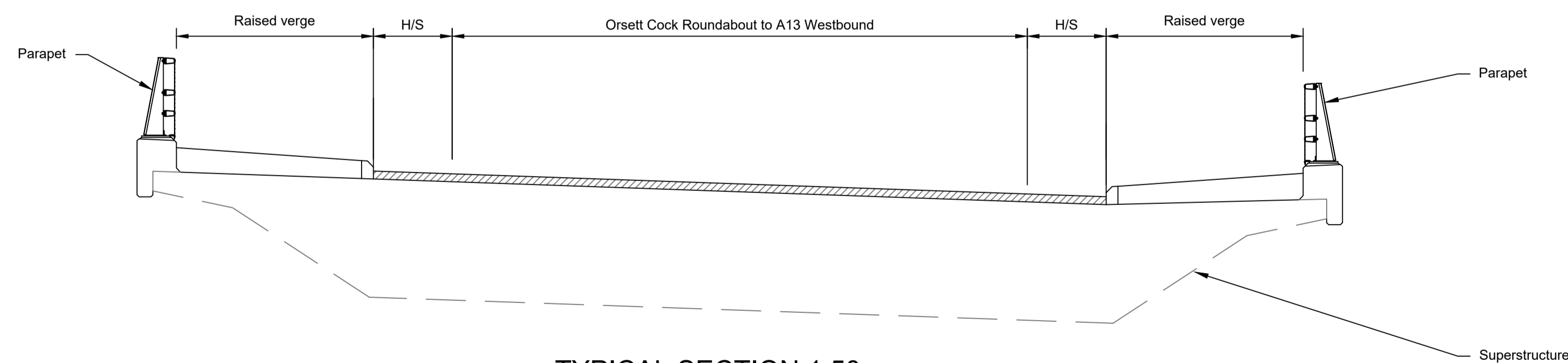
Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.13	A1	P01
Scale	AS SHOWN		
Drawing title	STRUCTURES PLANS 5(2)(o) WORK NO. 7G SHEET 43		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10073		



PLAN 1:250



ELEVATION 1:250

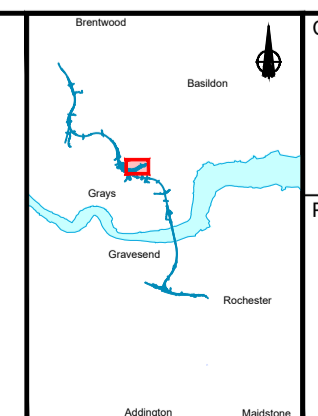
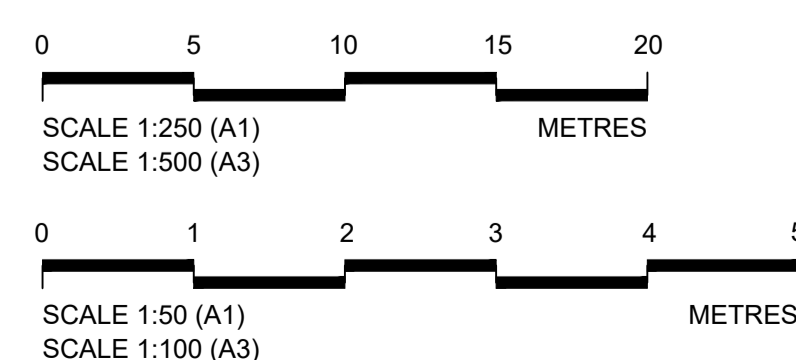


TYPICAL SECTION 1:50

LEGEND	
	EMBAKMENT/CUTTING
	WEST ABUTMENT
	PIER
	EAST ABUTMENT
	HARD STRIP
	FINISHED ROAD LEVEL

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P01	SB	19/10/2022	DCO Application	PG1	BB ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd Apprv'd

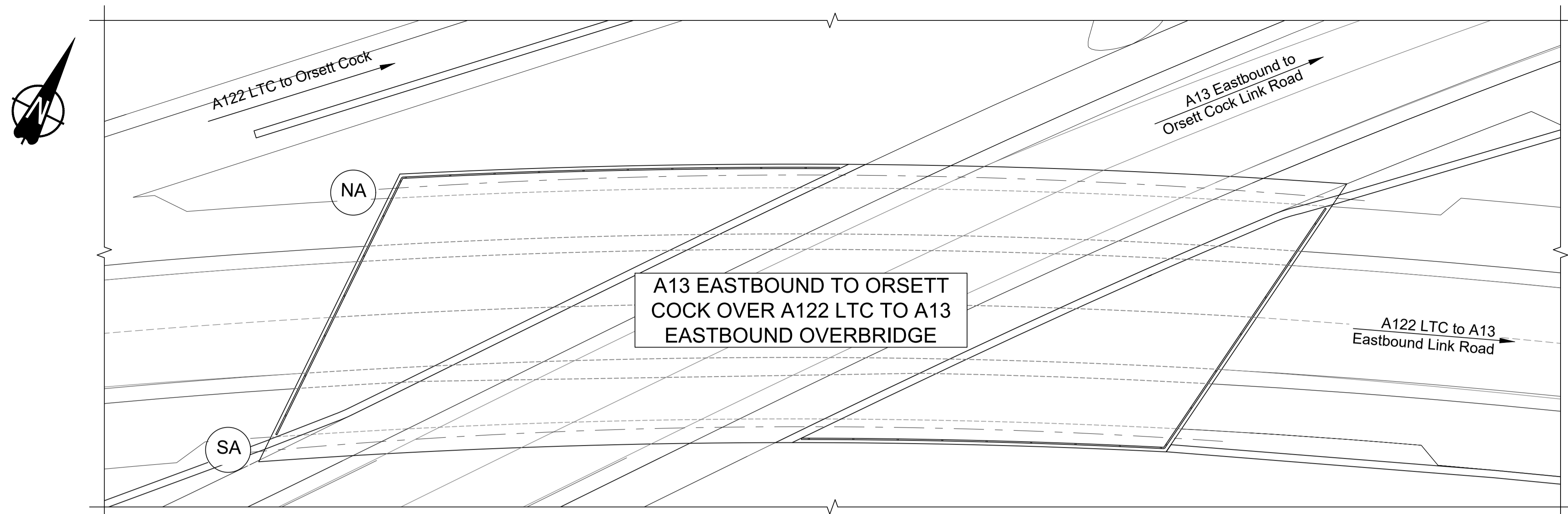
- NOTES:
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 - The Highways design is shown in the Engineering Section and Drawings (TR010032/APP/2.9).
 - Full length of piles not shown.



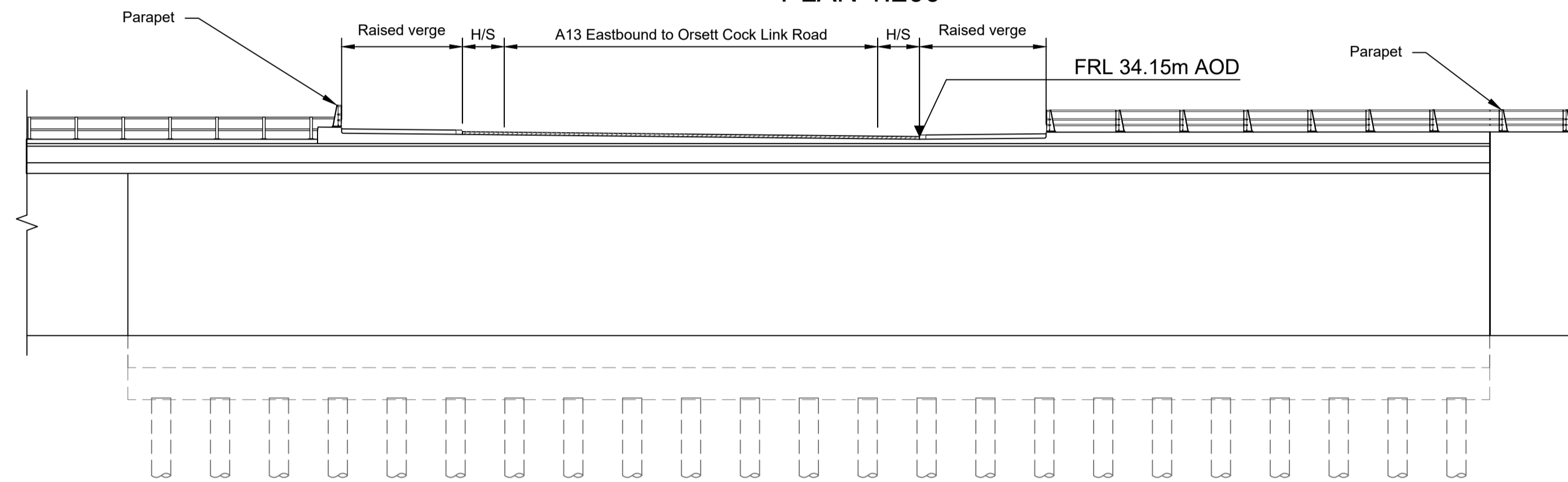
Client: national highways

Project: LOWER THAMES CROSSING

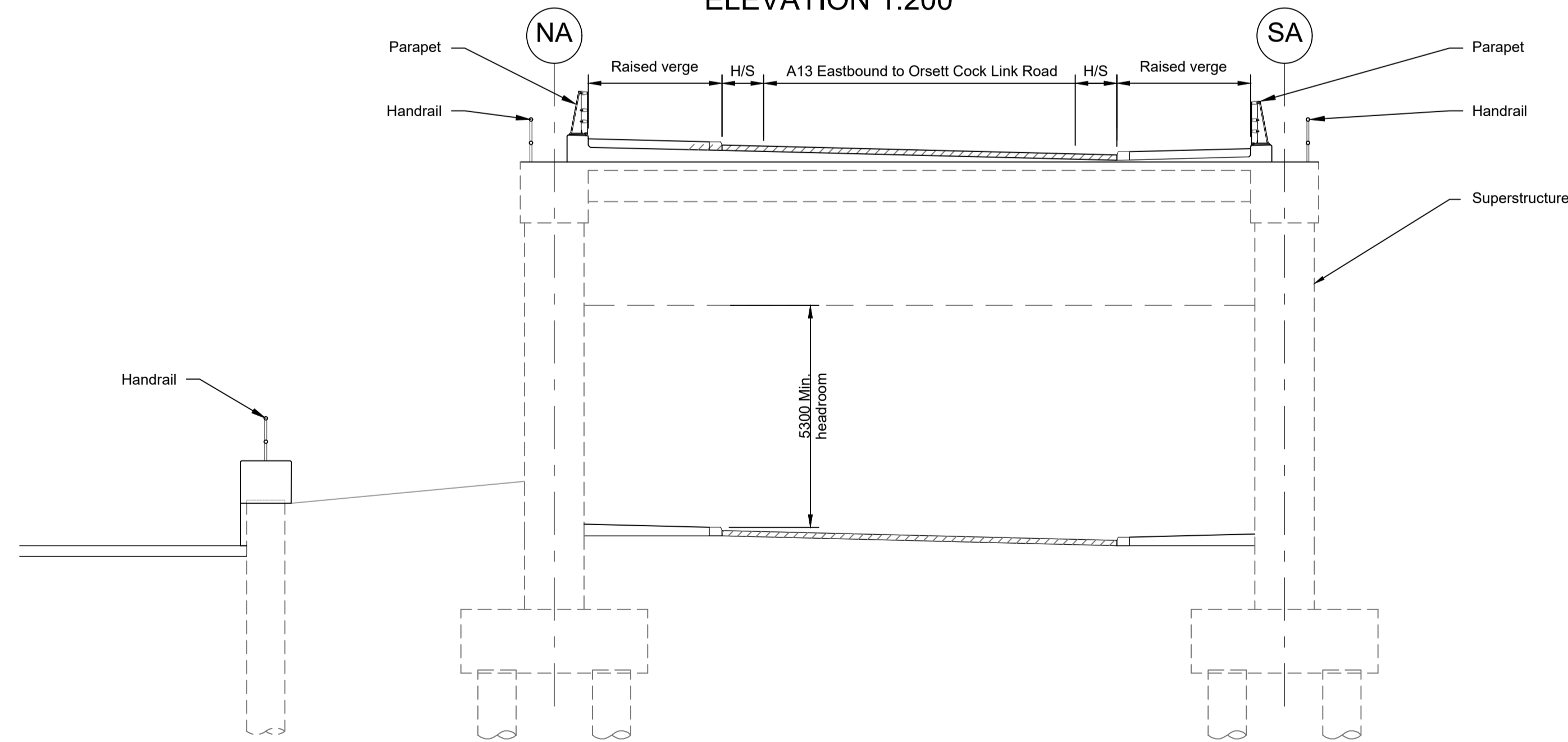
Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.13	A1	P01
Scale	AS SHOWN		
Drawing title	STRUCTURES PLANS 5(2)(o) WORK NO. 7H SHEET 44		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10074		



PLAN 1:200



ELEVATION 1:200

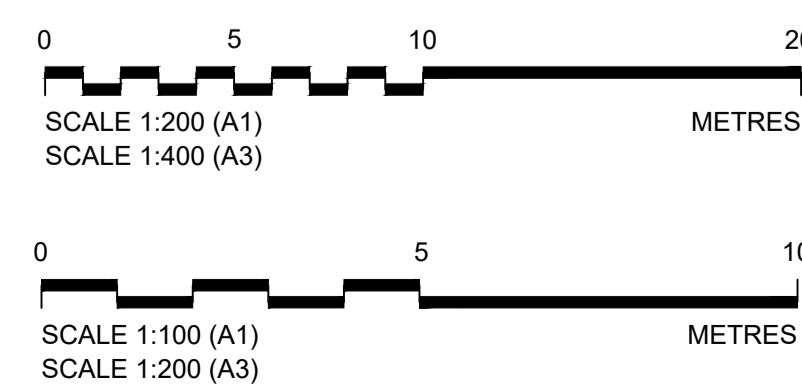


TYPICAL SECTION 1:100

LEGEND	
	EMBANKMENT/CUTTING
	NORTH ABUTMENT
	SOUTH ABUTMENT
	HARD STRIP
	FINISHED ROAD LEVEL

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P01	SB	19/10/2022	DCO Application	PG1	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

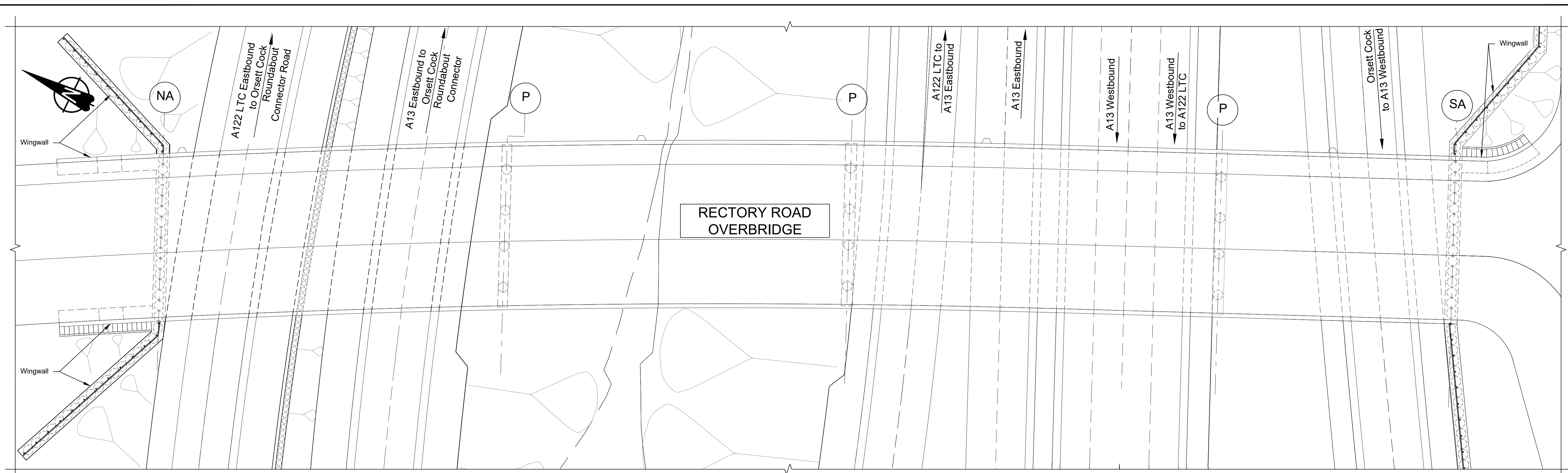
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 - Full length of piles not shown.



Client: national highways

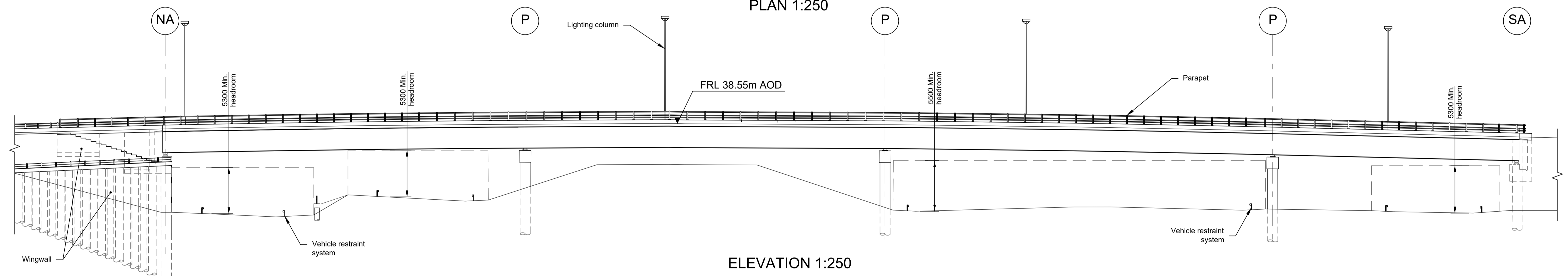
Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.13	A1	P01
Scale	AS SHOWN		
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Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10075		

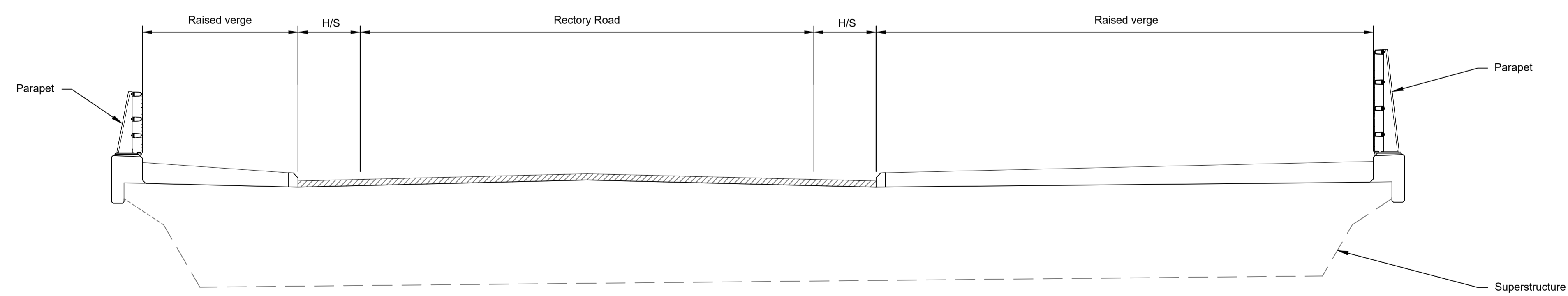


RECTORY ROAD OVERBRIDGE

PLAN 1:250



ELEVATION 1:250

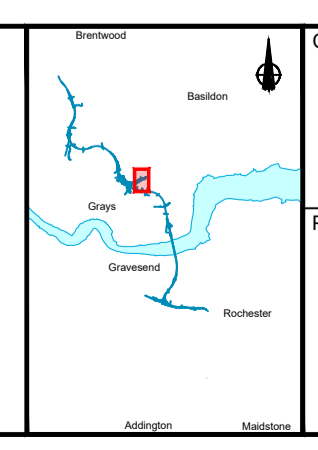
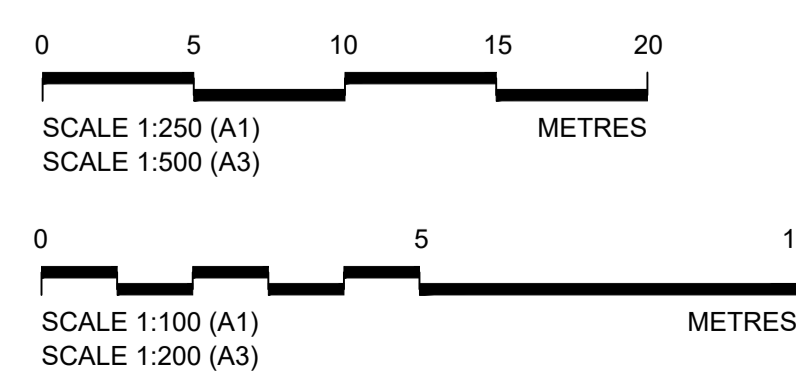


TYPICAL SECTION 1:100

LEGEND	
	EMBANKMENT/CUTTING
	NORTH ABUTMENT
	PIER
	SOUTH ABUTMENT
	HARD STRIP
	VEHICLE RESTRAINT SYSTEM
	LIGHTING COLUMN

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P01	SB	19/10/2022	DCO Application	PG1	BB ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd Apprv'd

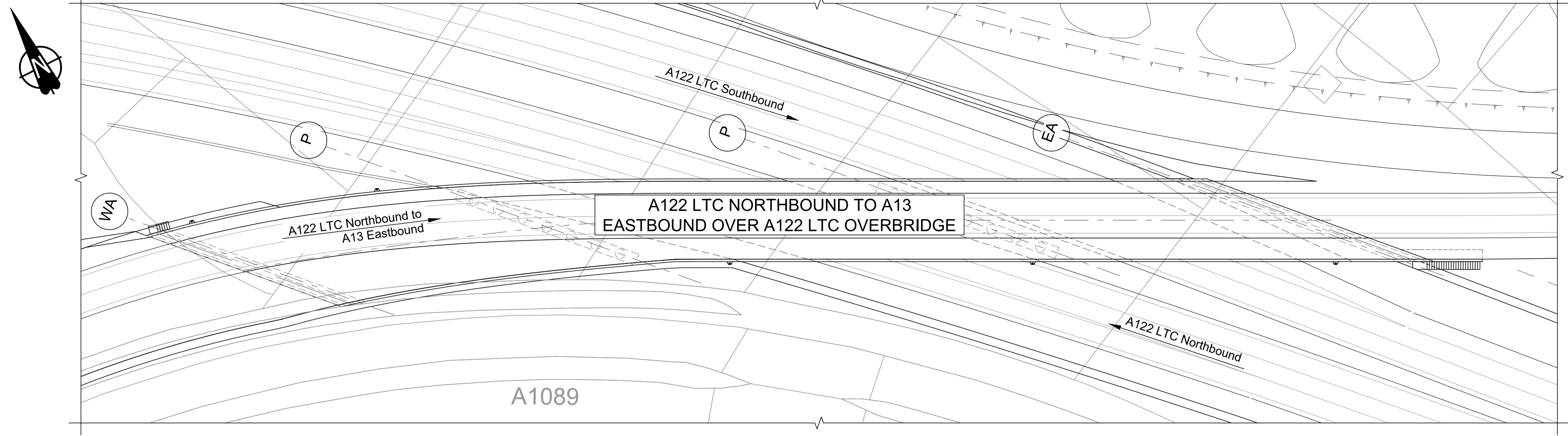
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 - Full length of piles not shown.



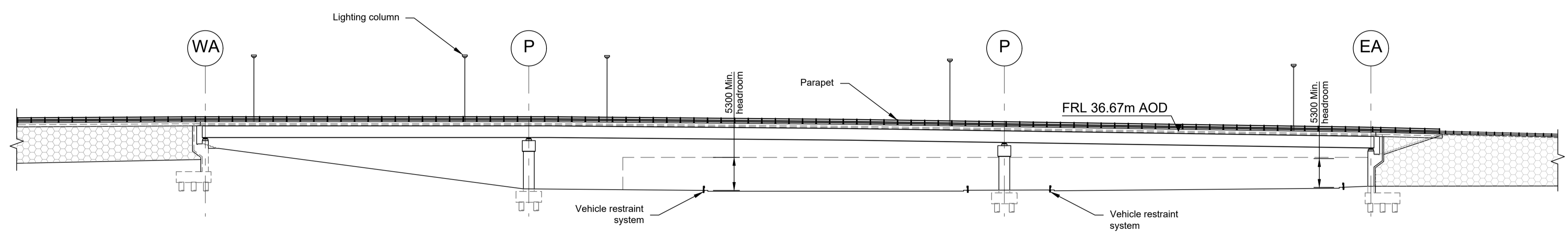
Client: national highways

Project: LOWER THAMES CROSSING

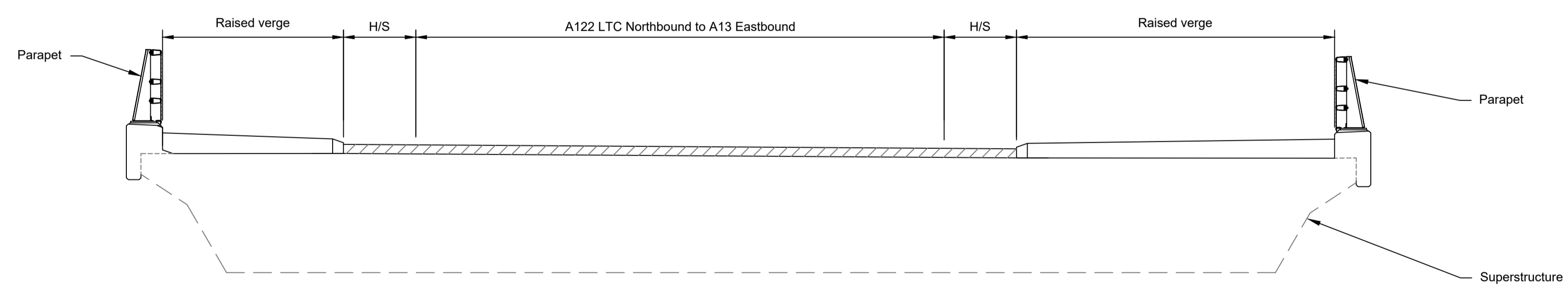
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Application Document Number	TR010032/APP/2.13	A1	P01
Scale	AS SHOWN		
Drawing title	STRUCTURES PLANS 5(2)(o) WORK NO. 7J SHEET 46		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10076		



PLAN 1:500



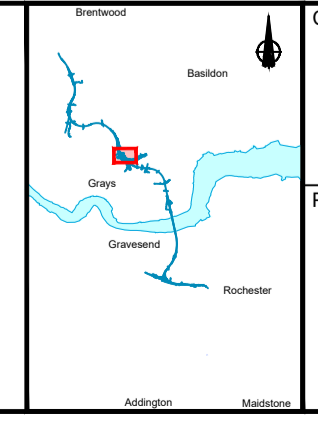
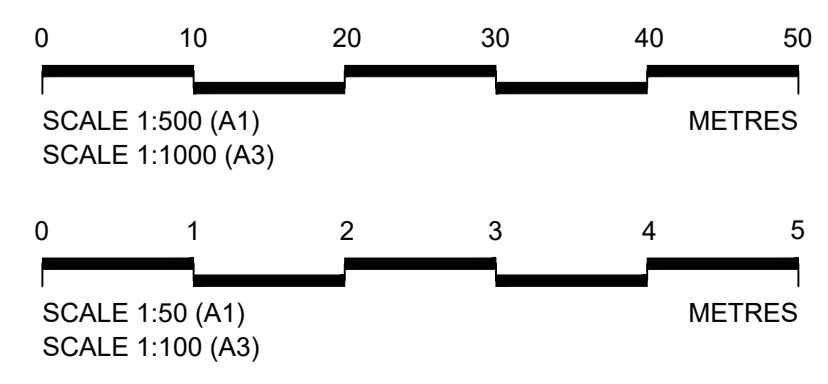
ELEVATION 1:500



TYPICAL SECTION 1:50

LEGEND	
	EMBANKMENT/CUTTING
	WEST ABUTMENT
	PIER
	EAST ABUTMENT
H/S	HARD STRIP
FRL	FINISHED ROAD LEVEL

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 - Full length of piles not shown.

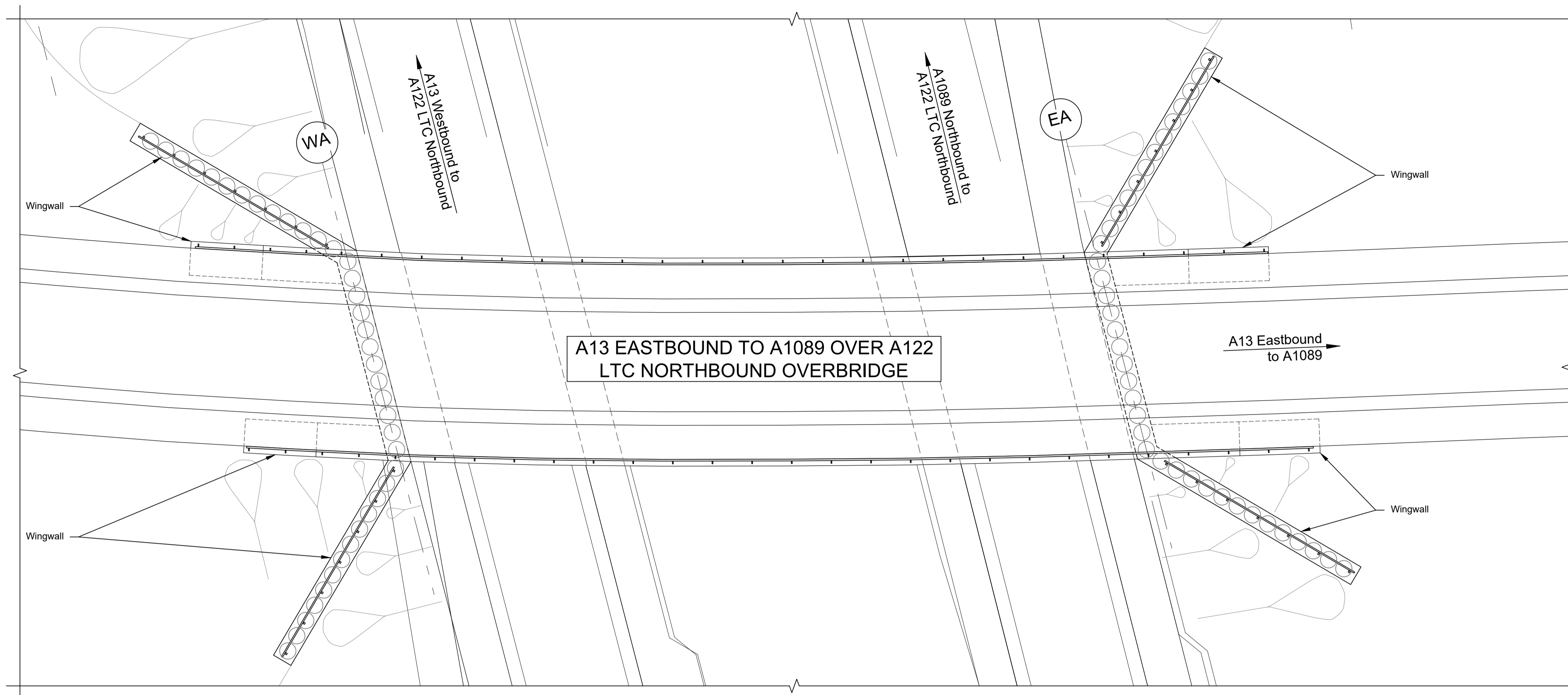
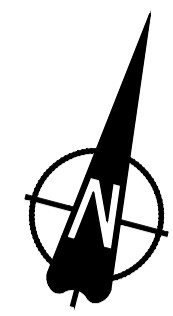


Client: national highways

Project: LOWER THAMES CROSSING

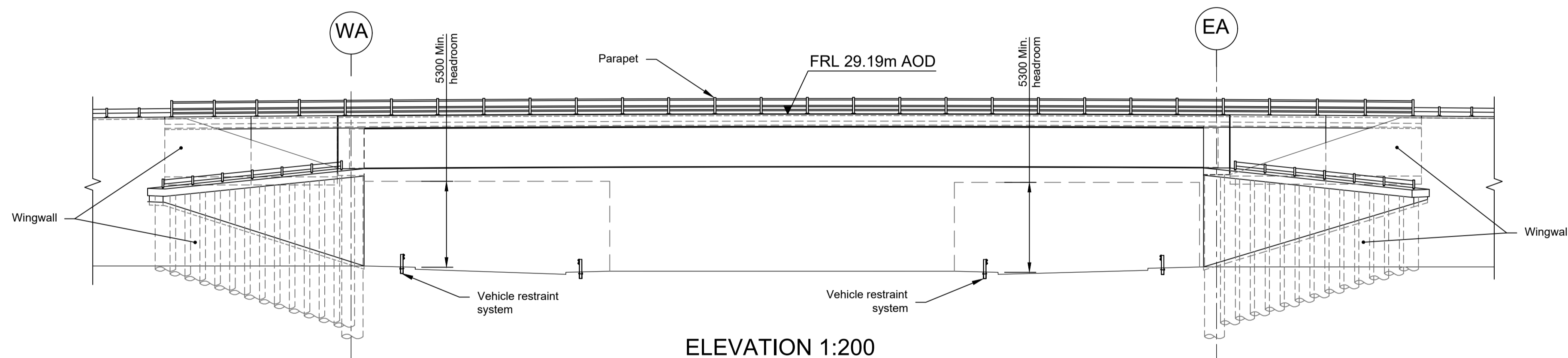
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Drawing title	STRUCTURES PLANS 5(2)(o) WORK NO. 7G SHEET 47		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10077		

P01	SB	19/10/2022	DCO Application	PG1	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

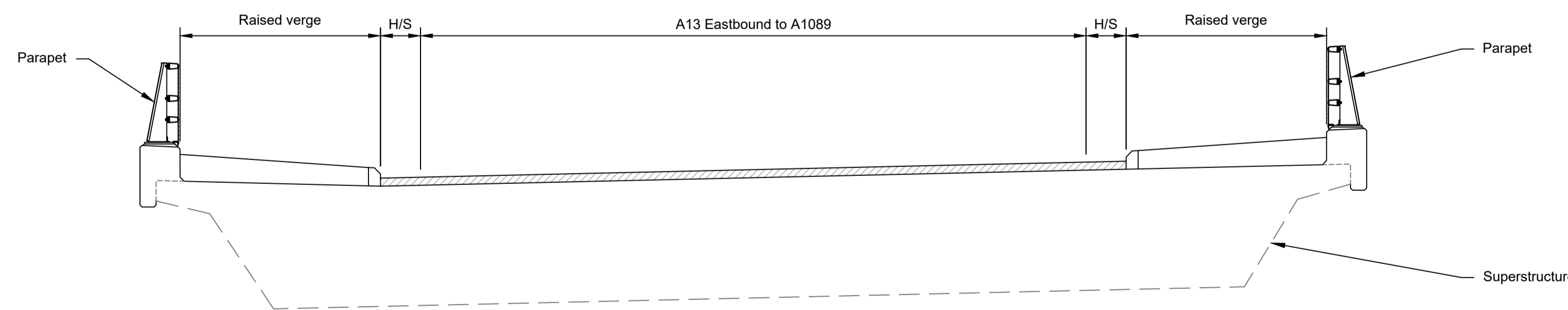


A13 EASTBOUND TO A1089 OVER A122
LTC NORTHBOUND OVERBRIDGE

PLAN 1:200



ELEVATION 1:200

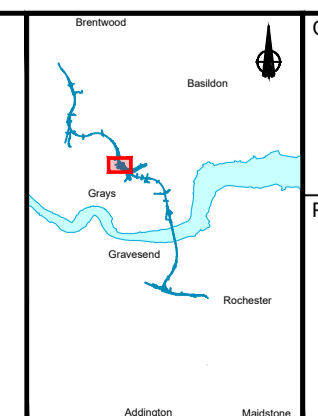
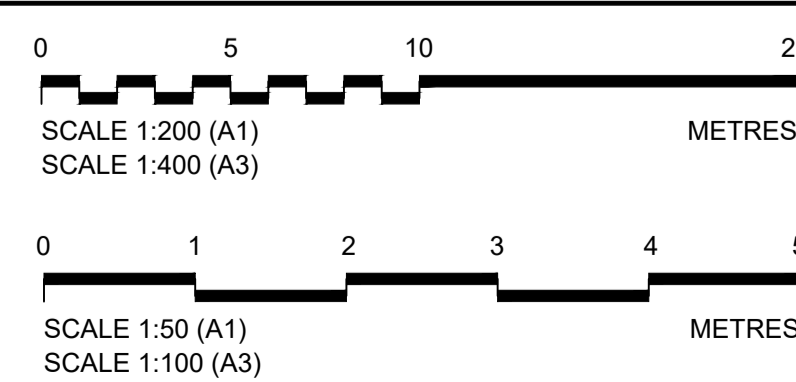


TYPICAL SECTION 1:50

LEGEND	
	EMBANKMENT/CUTTING
	WEST ABUTMENT
	EAST ABUTMENT
H/S	HARD STRIP
FRL	FINISHED ROAD LEVEL

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P01	SB	19/10/2022	DCO Application	PG1	BB ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd
				Apprv'd	

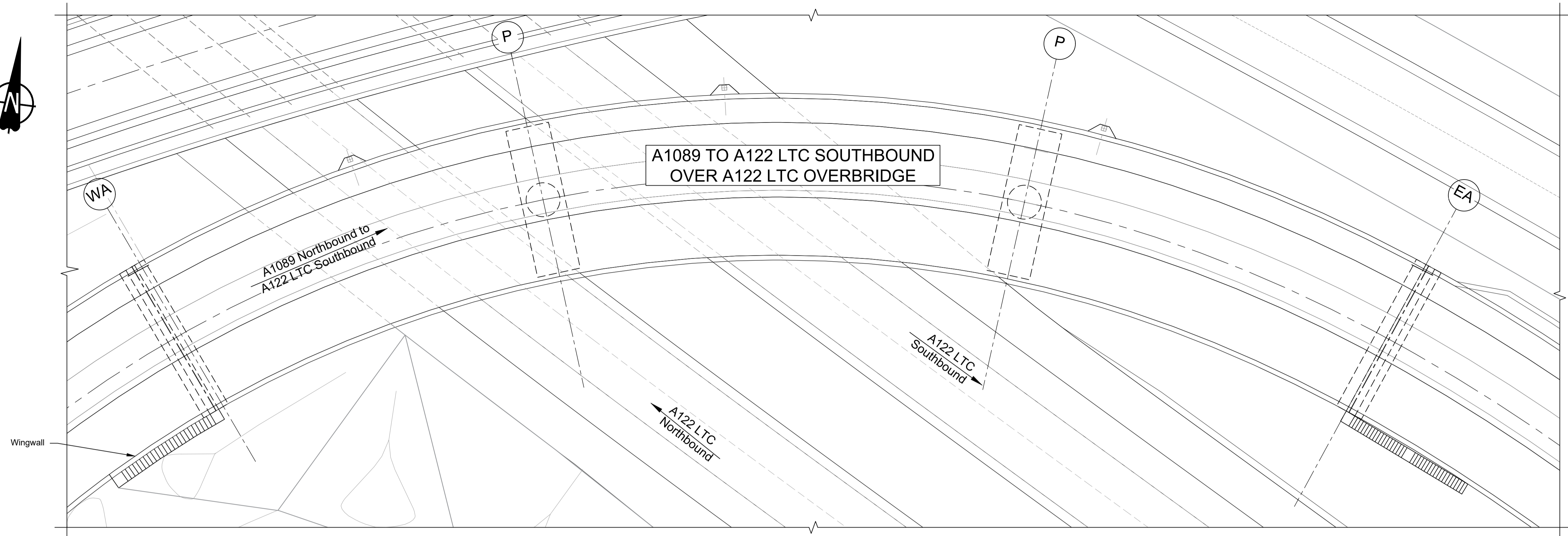
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 - Full length of piles not shown.



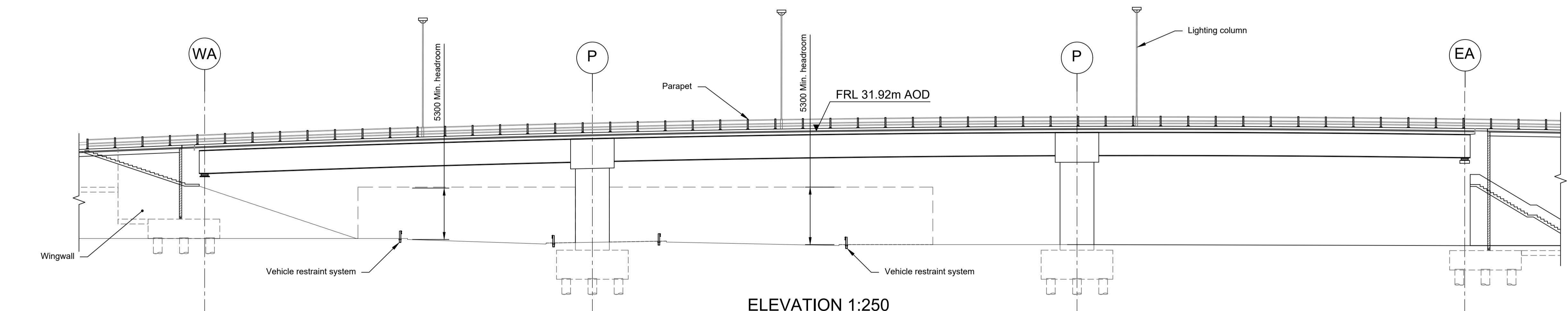
Client: national highways

Project: LOWER THAMES CROSSING

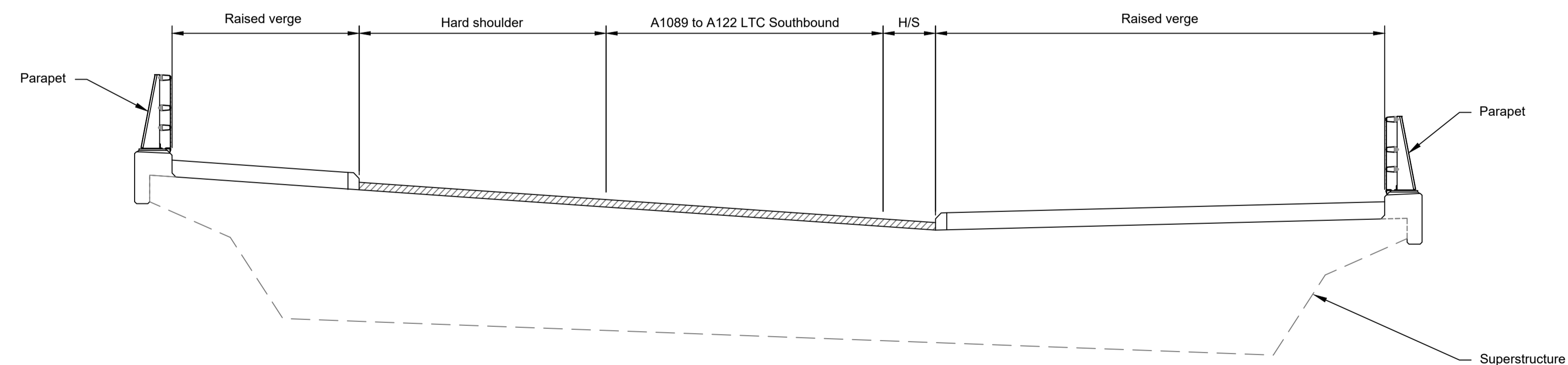
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Application Document Number	TR010032/APP/2.13	A1	P01
Scale	AS SHOWN		
Drawing title	STRUCTURES PLANS 5(2)(o) WORK NO. 7N SHEET 48		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10078		



PLAN 1:250



ELEVATION 1:250

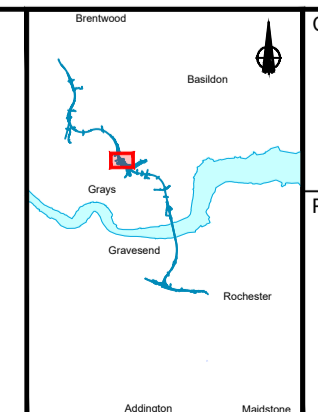
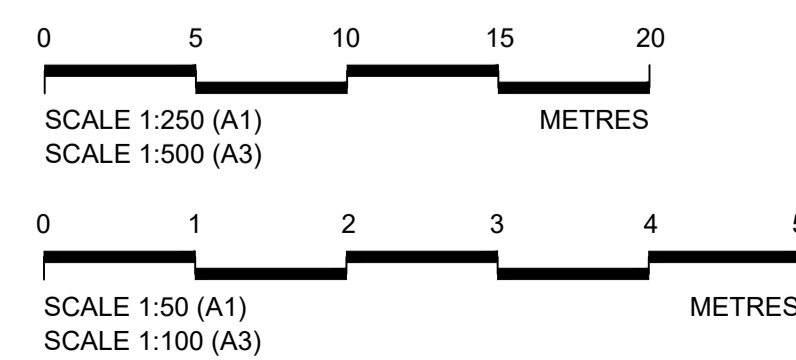


TYPICAL SECTION 1:50

LEGEND	
	EMBANKMENT/CUTTING
	WEST ABUTMENT
	PIER
	EAST ABUTMENT
H/S	HARD STRIP
FRL	FINISHED ROAD LEVEL

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P01	SB	19/10/2022	DCO Application	PG1	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

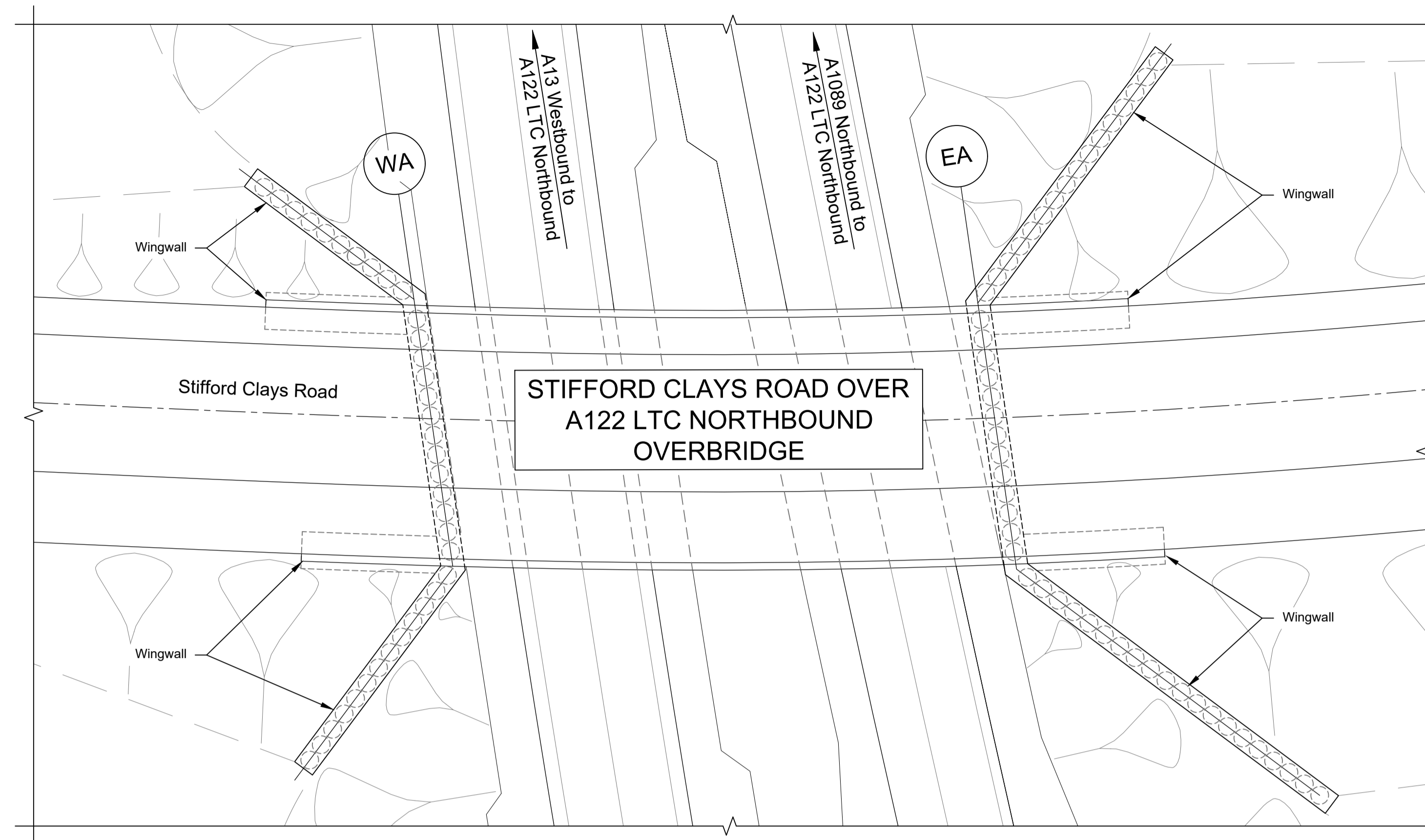
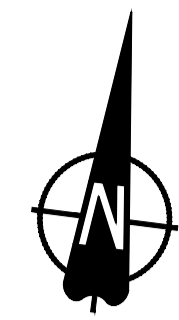
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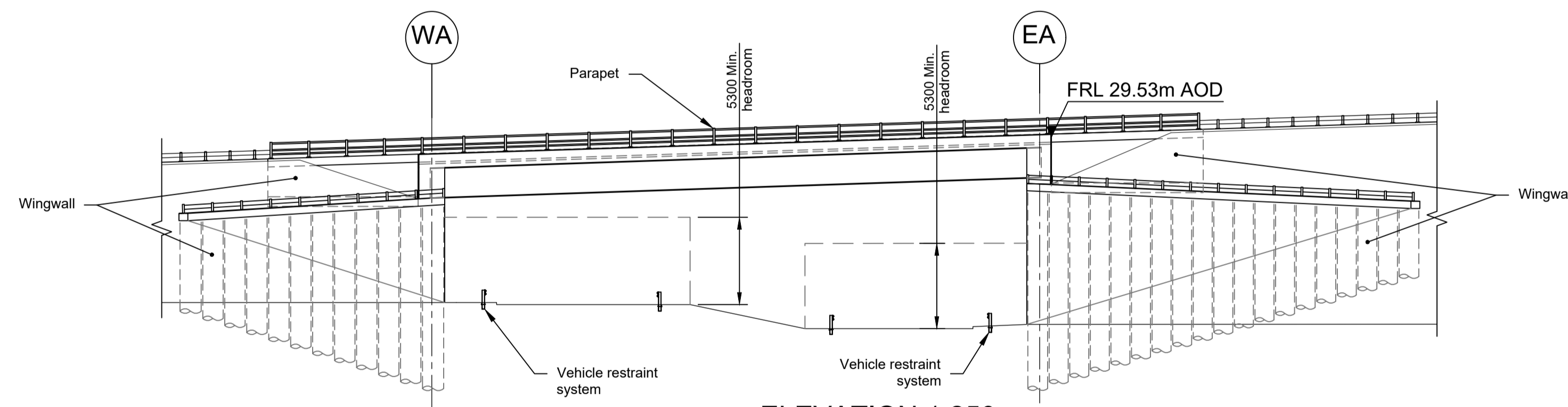
Client: **national highways**

Project: **LOWER THAMES CROSSING**

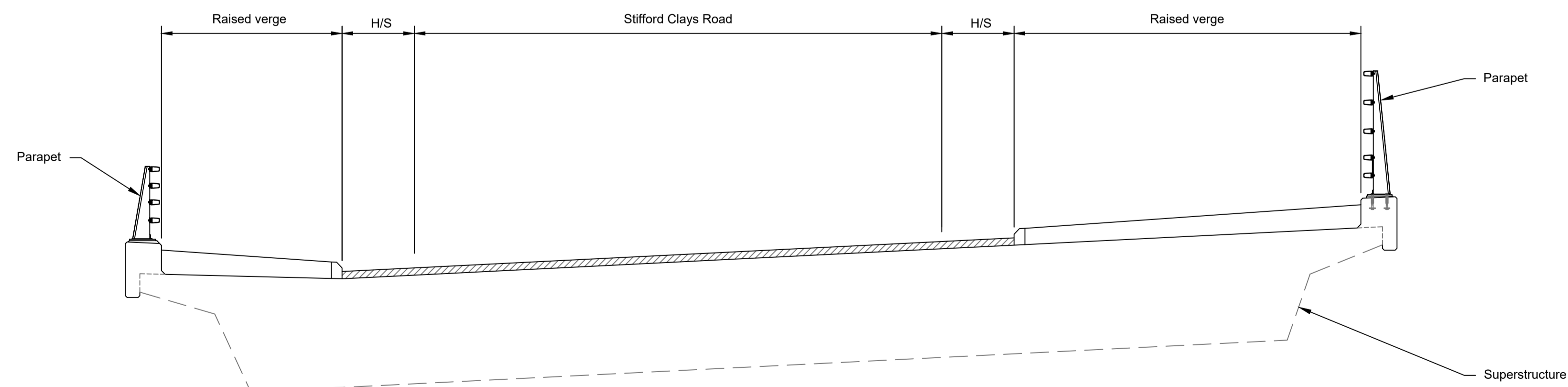
Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.13	A1	P01
Scale	AS SHOWN		
Drawing title	STRUCTURES PLANS 5(2)(o)		
	WORK NO. 7K		
	SHEET 49		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10079		



PLAN 1:250



ELEVATION 1:250



TYPICAL SECTION 1:50

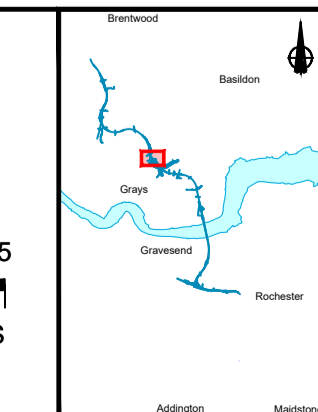
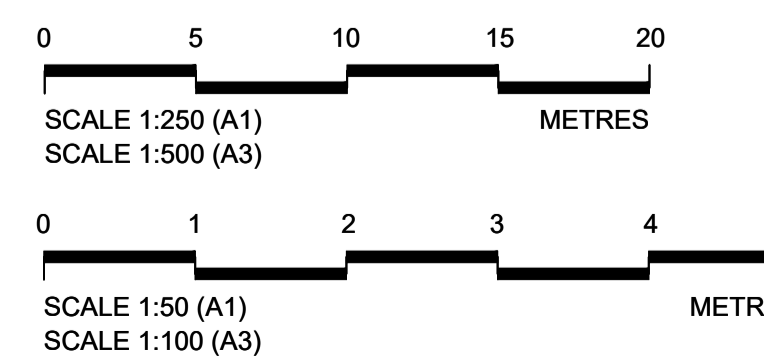
LEGEND	
	EMBANKMENT/CUTTING
	WEST ABUTMENT
	EAST ABUTMENT
	HARDSTRIP
	FINISHED ROAD LEVEL

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NOTES:

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Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	19/10/2022	DCO Application	PG1	BB	ASB

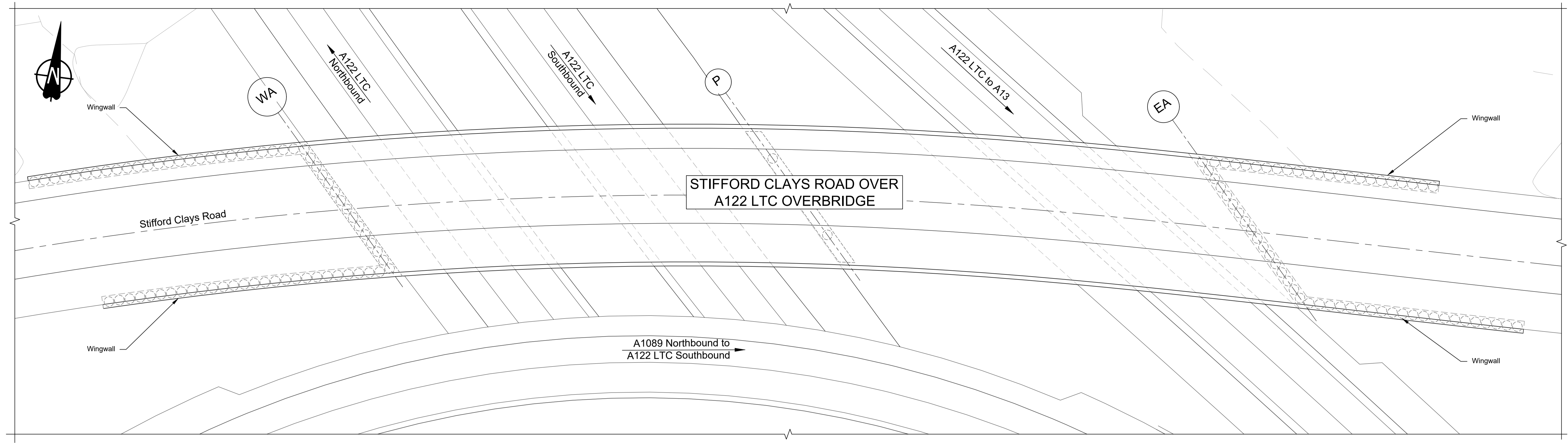


Client

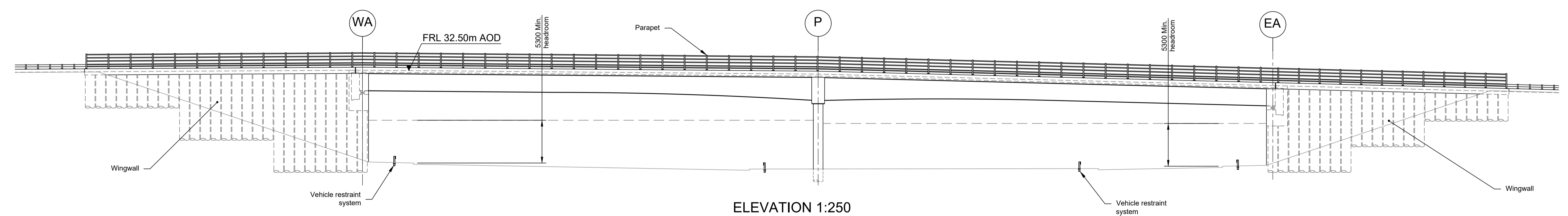
Project

LOWER THAMES CROSSING

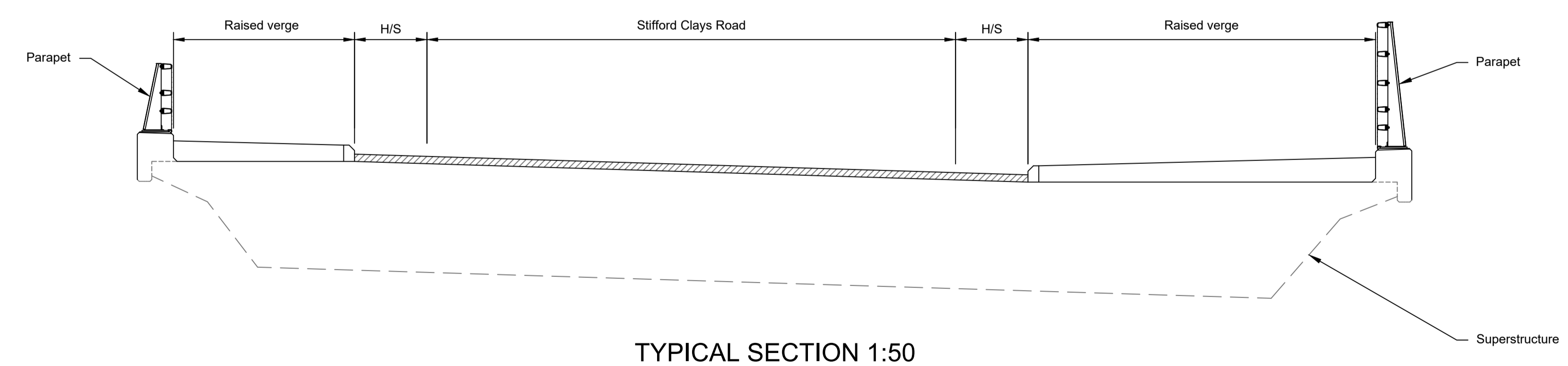
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Application Document Number	TR010032/APP/2.13	A1	P01
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Drawing title	STRUCTURES PLANS 5(2)(o)		
	WORK NO. 7L		
	SHEET 50		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10080		



PLAN 1:250



ELEVATION 1:250

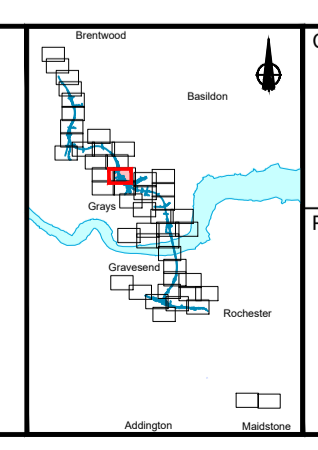
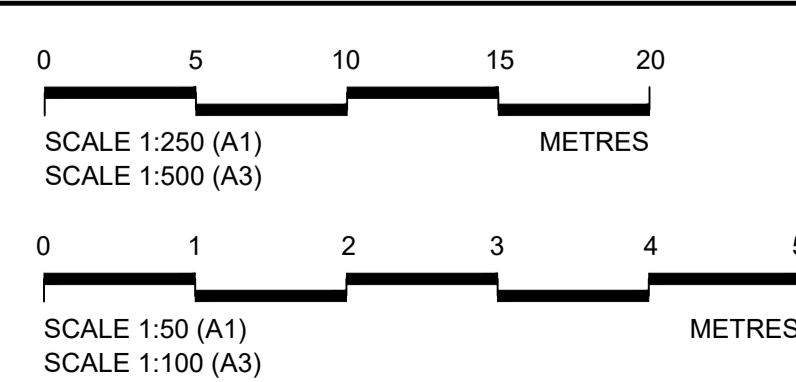


TYPICAL SECTION 1:50

LEGEND	
	EMBANKMENT/CUTTING
	WEST ABUTMENT
	PIER
	EAST ABUTMENT
	HARD STRIP
	FINISHED ROAD LEVEL

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P01	SB	19/10/2022	DCO Application	PG1	BB ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd Apprv'd

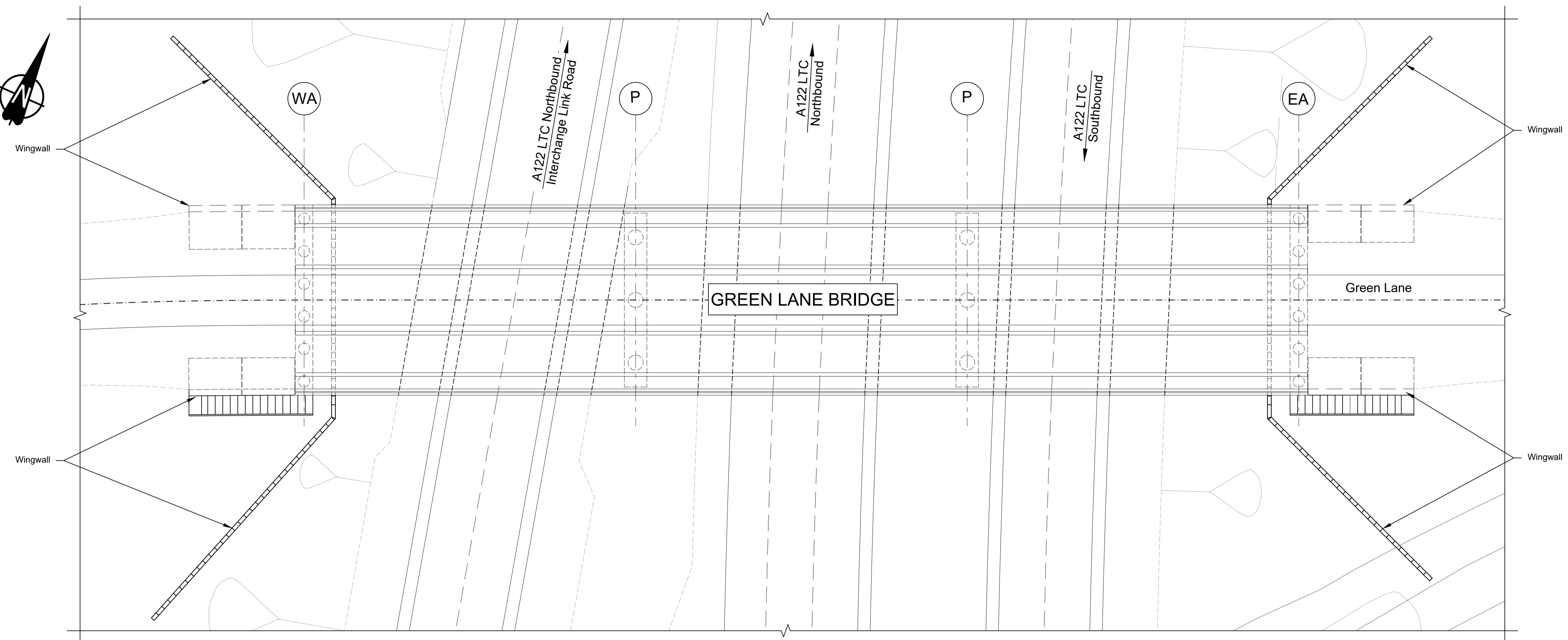
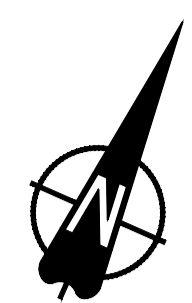
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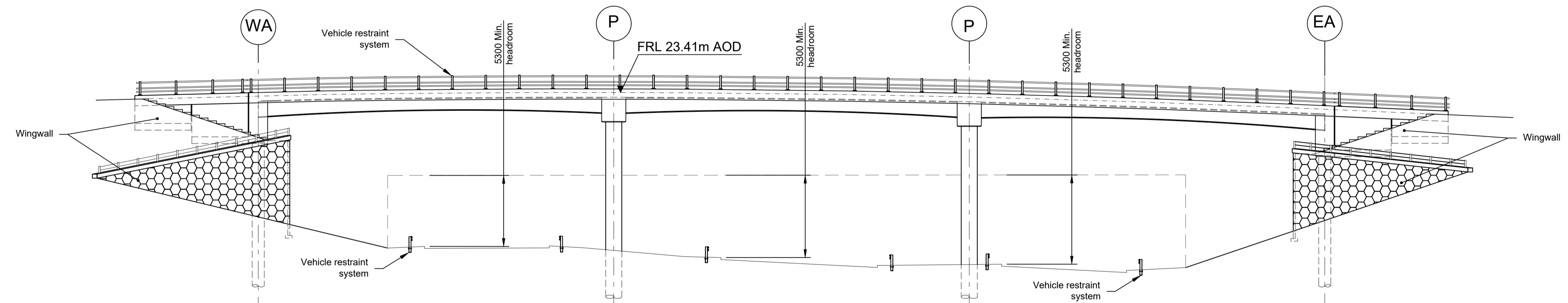
Client:

Project: **LOWER THAMES CROSSING**

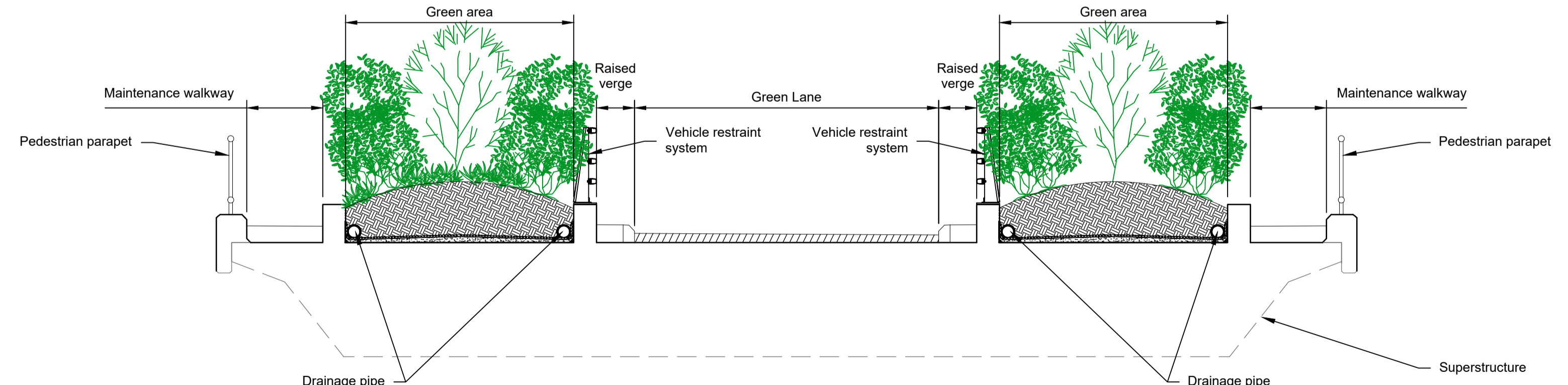
Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.13	A1	P01
Scale	AS SHOWN		
Drawing title	STRUCTURES PLANS 5(2)(o)		
	WORK NO. 7L		
	SHEET 51		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10081		



PLAN 1:200



ELEVATION 1:200

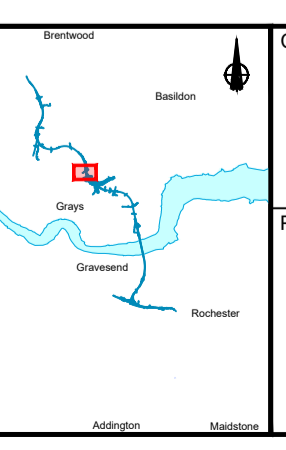
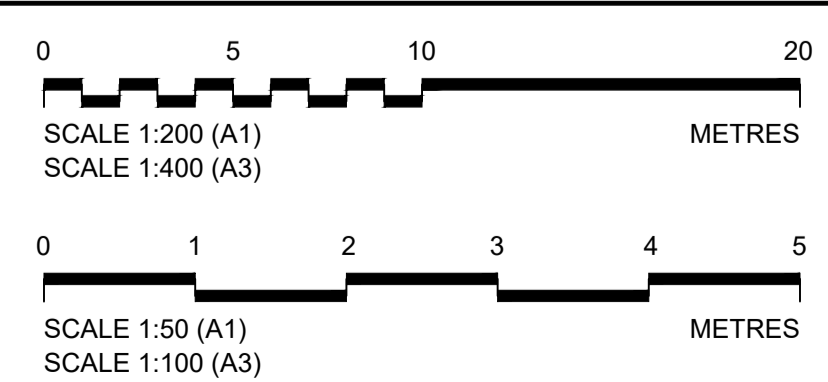


TYPICAL SECTION 1:50

LEGEND	
	EMBANKMENT/CUTTING
	WEST ABUTMENT
	PIER
	EAST ABUTMENT
	FINISHED ROAD LEVEL

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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd
				Apprv'd	

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 - Full length of piles not shown.

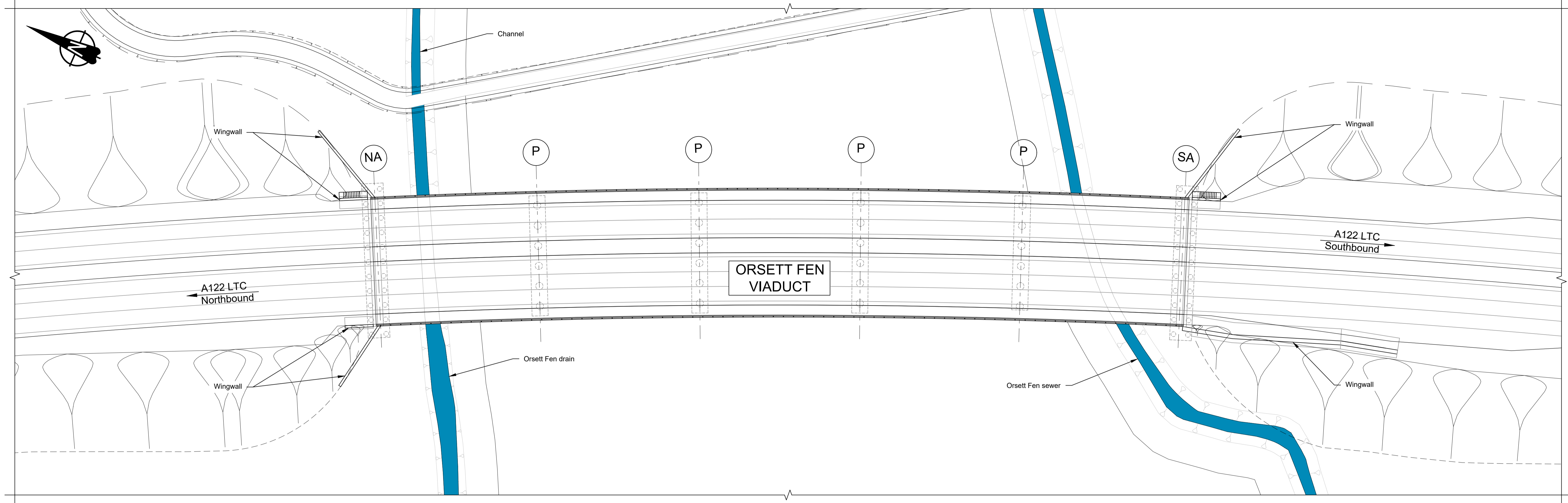


Client

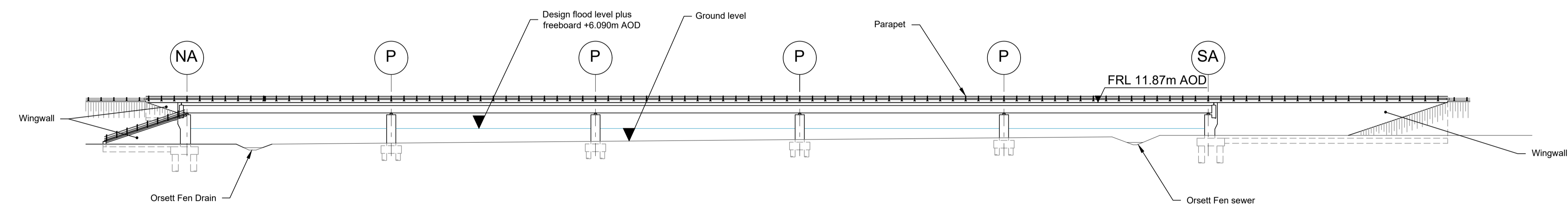
Project

LOWER THAMES CROSSING

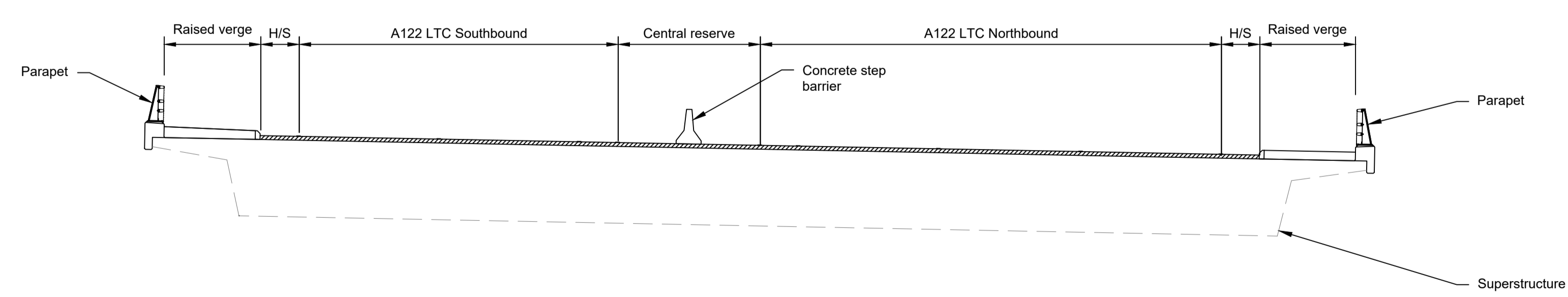
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Scale	AS SHOWN		
Drawing title	STRUCTURES PLANS 5(2)(o)		
	WORK NO. 7M		
	SHEET 52		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10082		



PLAN 1:500



ELEVATION 1:500

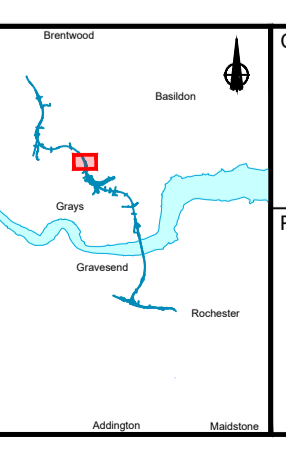
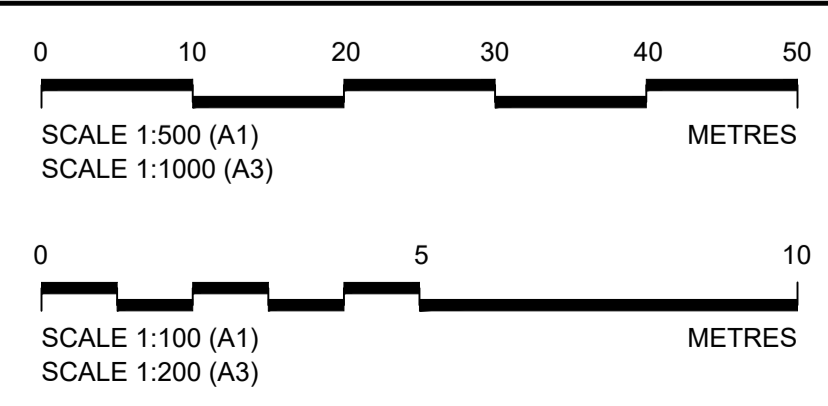


TYPICAL SECTION 1:100

LEGEND	
	EMBANKMENT/CUTTING
	NORTH ABUTMENT
	PIER
	SOUTH ABUTMENT
	DESIGN FLOOD LEVEL
	HARDSTRIP
	FINISHED ROAD LEVEL

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P01	SB	19/10/2022	DCO Application	PG1	BB	ASB	
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd	

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 - Full length of piles not shown.

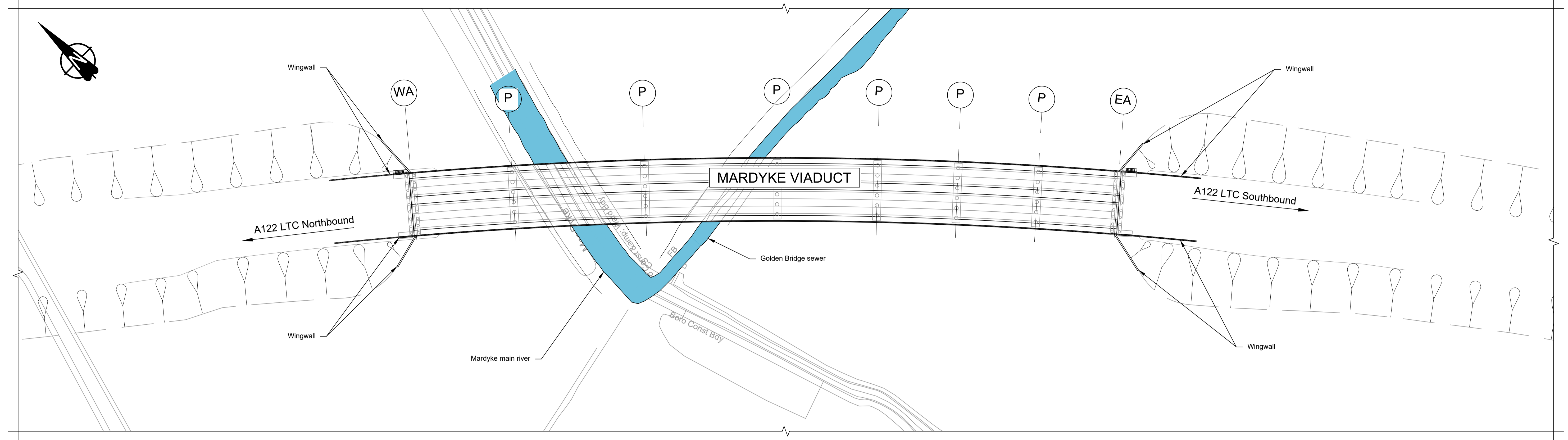


Client

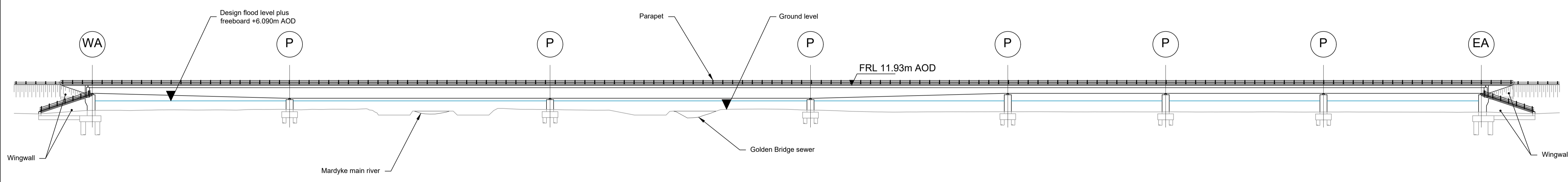
Project

LOWER THAMES CROSSING

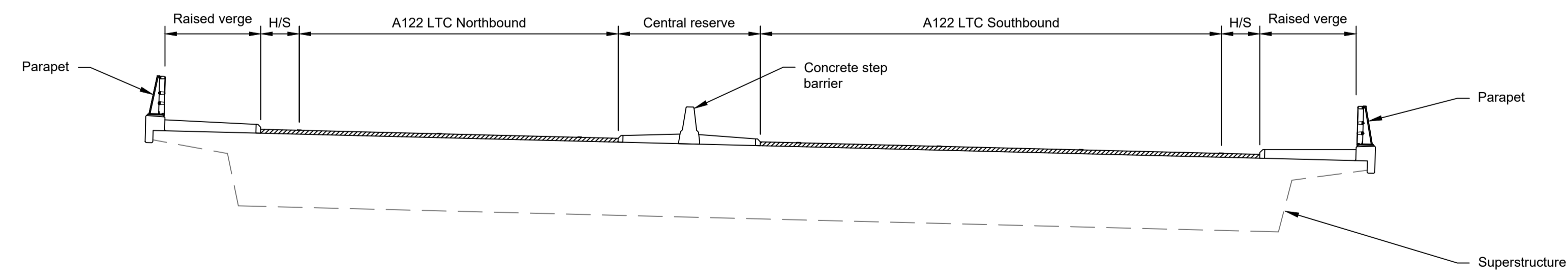
Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.13	A1	P01
Scale	AS SHOWN		
Drawing title	STRUCTURES PLANS 5(2)(o)		
	WORK NO. 8B		
	SHEET 53		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10083		



PLAN 1:1000



ELEVATION 1:500

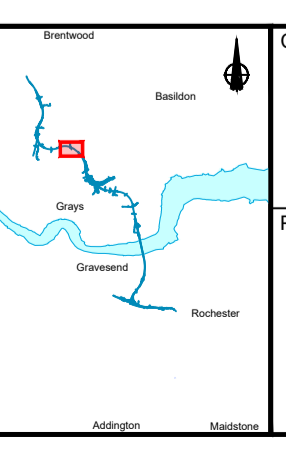
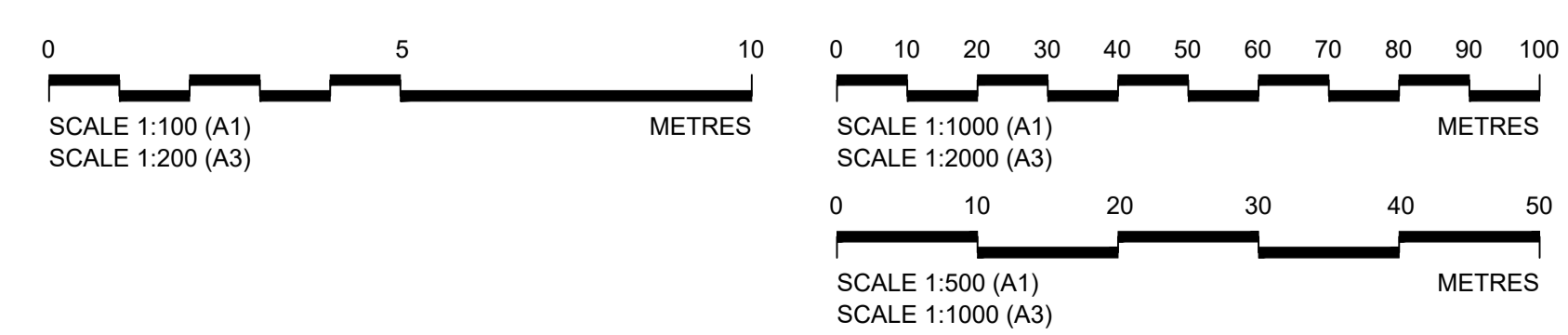


TYPICAL SECTION 1:100

LEGEND	
	EMBANKMENT/CUTTING
	WEST ABUTMENT
	PIER
	EAST ABUTMENT
	DESIGN FLOOD LEVEL
	HARDSTRIP
	FINISHED ROAD LEVEL

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P01	SB	19/10/2022	DCO Application	PG1	BB ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd

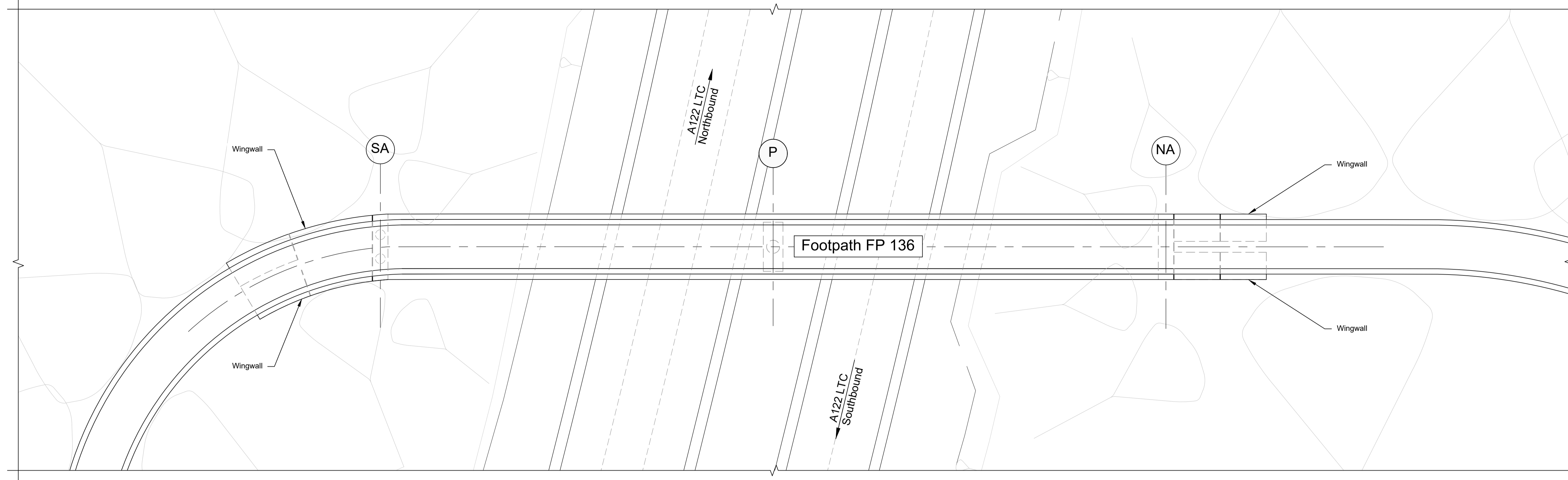
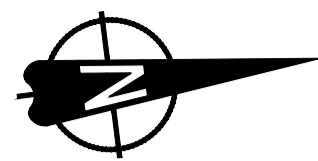
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 - Full length of piles not shown.



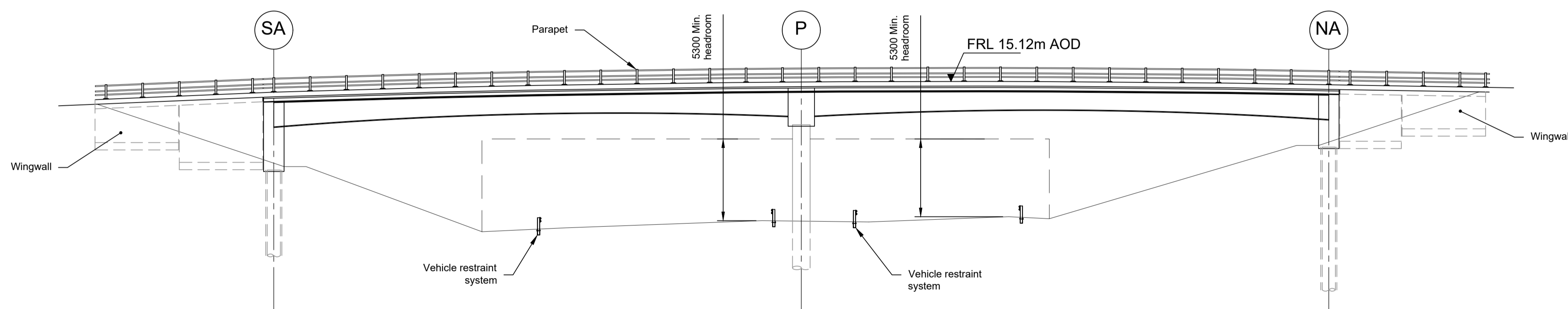
Client: **national highways**

Project: **LOWER THAMES CROSSING**

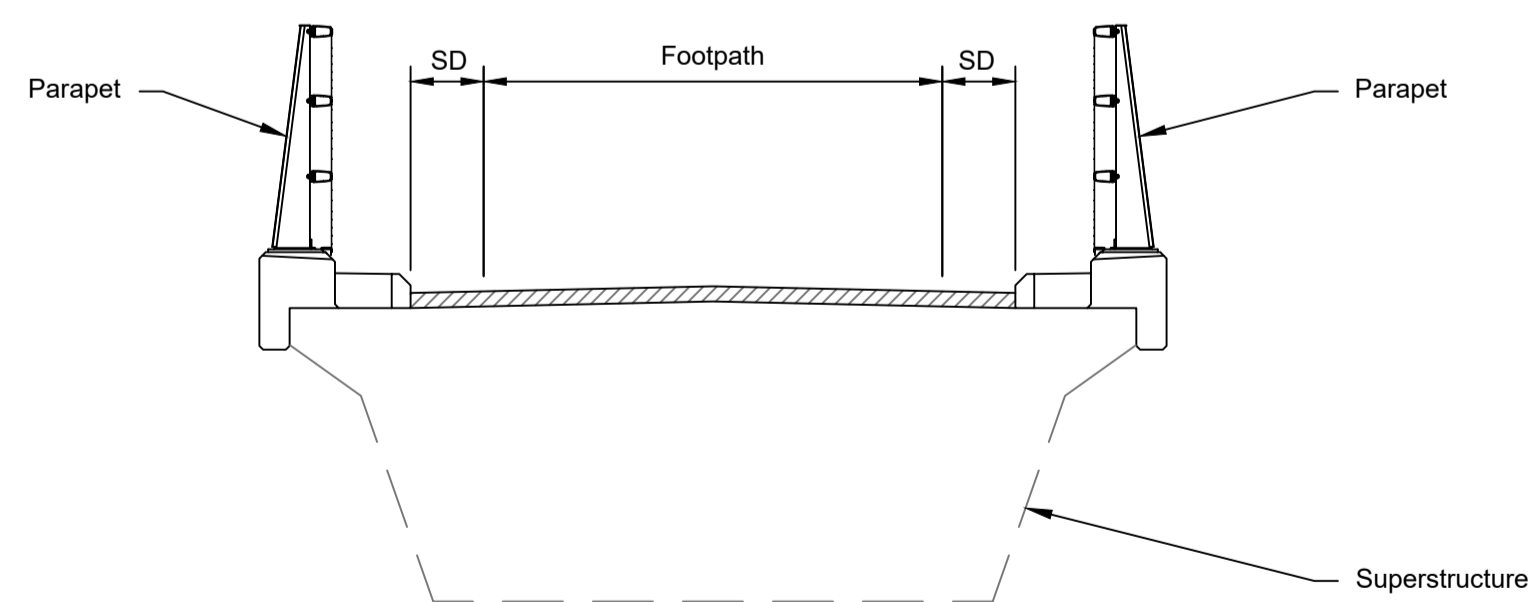
Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.13	A1	P01
Scale	AS SHOWN		
Drawing title	STRUCTURES PLANS 5(2)(o)		
	WORK NO. 8B		
	SHEET 54		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10084		



PLAN 1:200



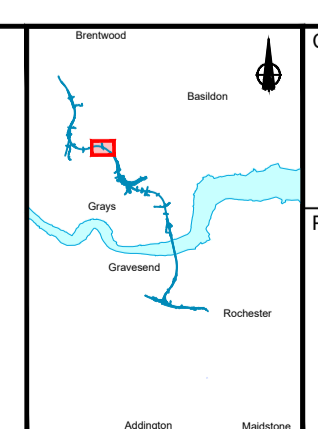
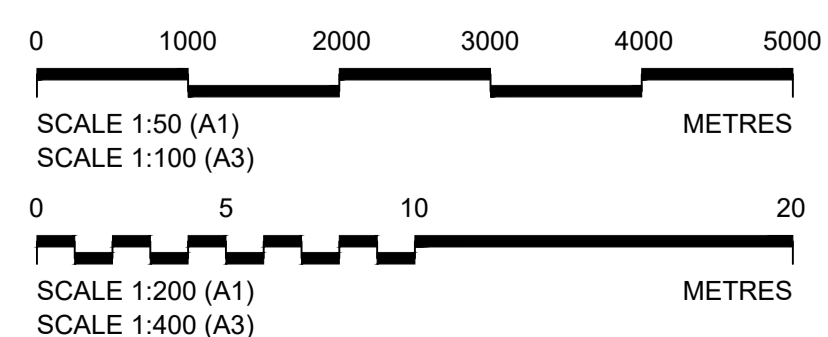
ELEVATION 1:200



TYPICAL SECTION 1:50

LEGEND	
	EMBANKMENT/CUTTING
	SOUTH ABUTMENT
	PIER
	NORTH ABUTMENT
SD	SHY DISTANCE
FRL	FINISHED ROAD LEVEL

- NOTES:
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 - Full length of piles not shown.

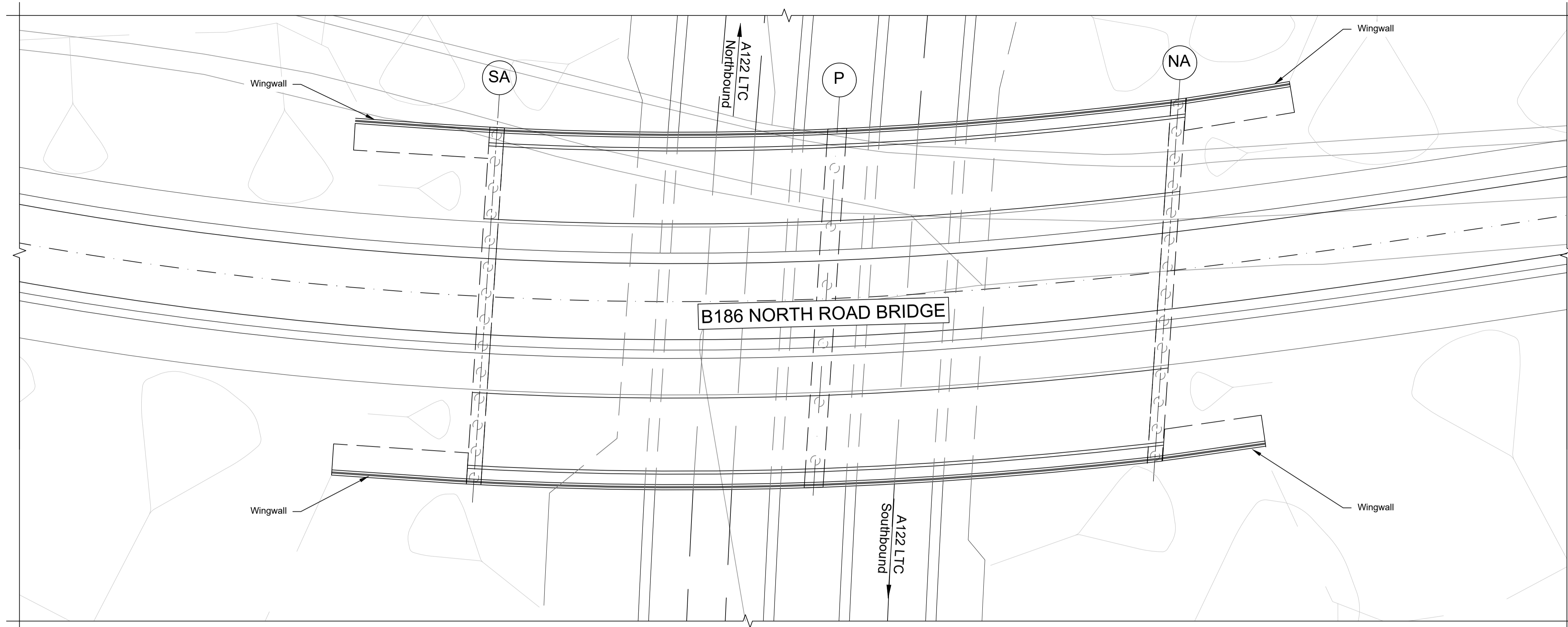
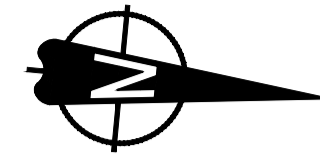


Client: **national highways**

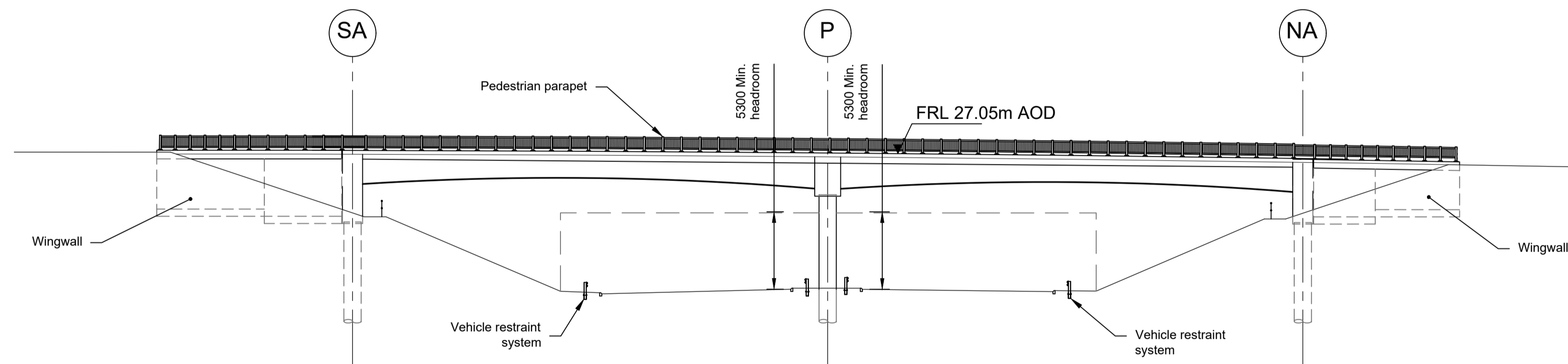
Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.13	A1	P01
Scale	AS SHOWN		
Drawing title	STRUCTURES PLANS 5(2)(o)		
	WORK NO. 8C		
	SHEET 55		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000 -DR-CB-10085		

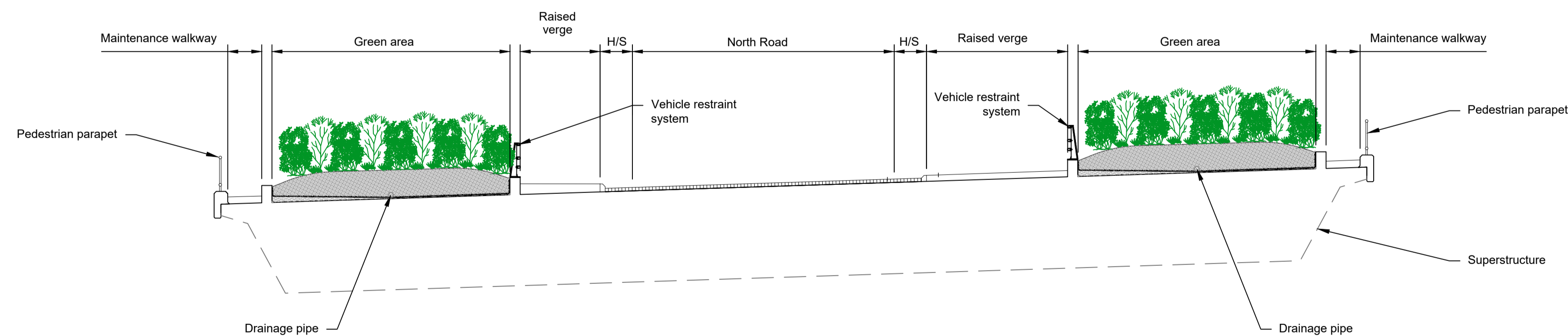
P01	SB	19/10/2022	DCO Application	PG1	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd



PLAN 1:250



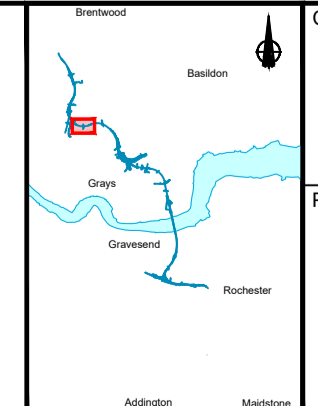
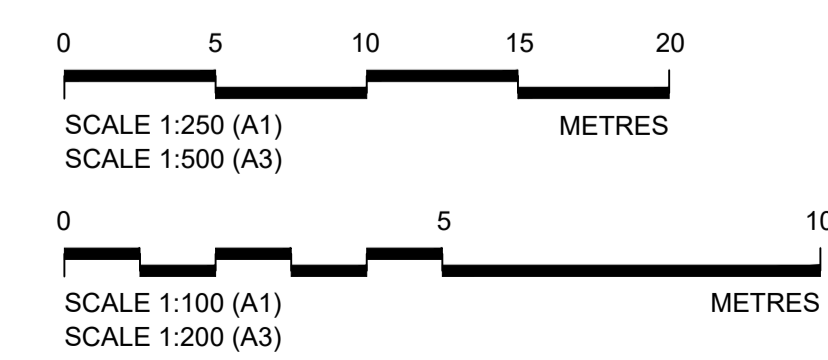
ELEVATION 1:250



TYPICAL SECTION 1:100

LEGEND	
	EMBANKMENT/CUTTING
	SOUTH ABUTMENT
	PIER
	NORTH ABUTMENT
	HARDSTRIP

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 - Full length of piles not shown.

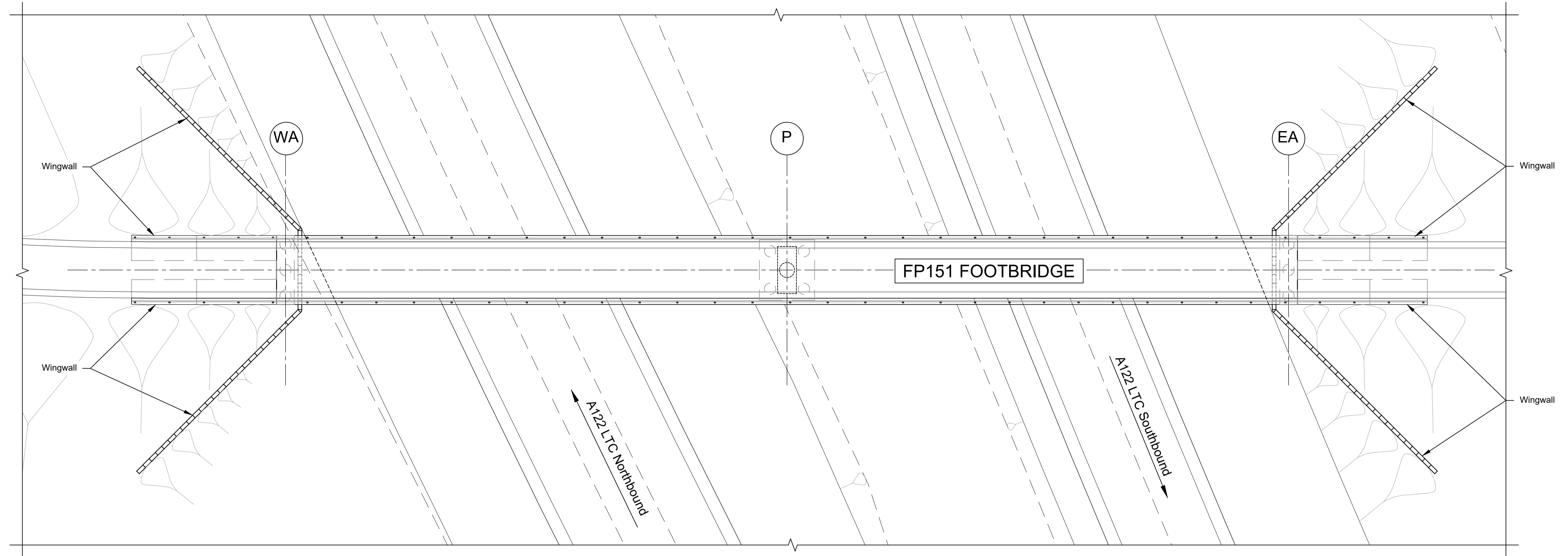


Client: **national highways**

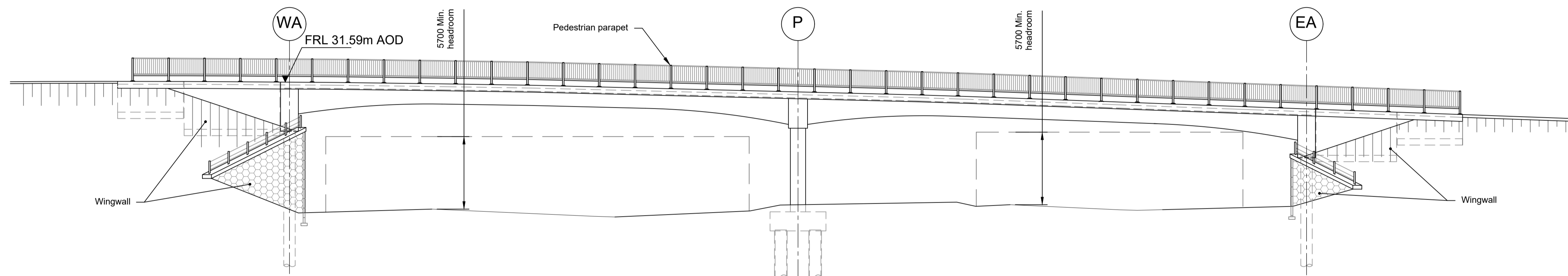
Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	P01
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN
Drawing title	STRUCTURES PLANS 5(2)(o)		
	WORK NO. 8D		
	SHEET 56		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10086		

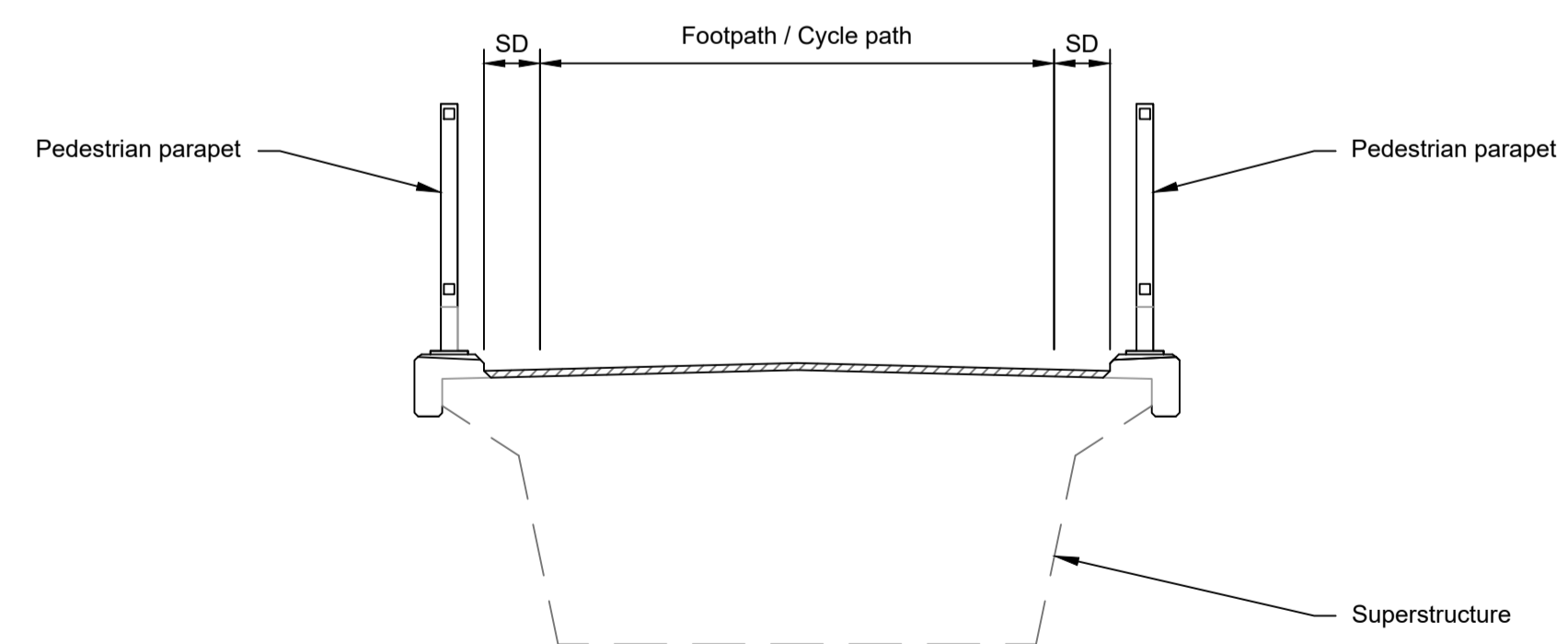
P01	SB	19/10/2022	DCO Application	PG1	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd



PLAN 1:200



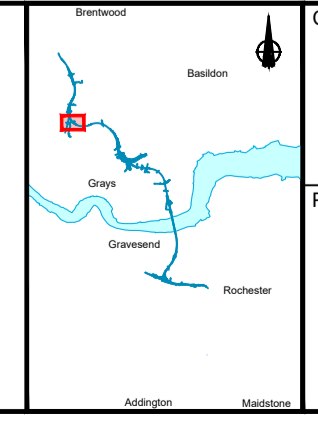
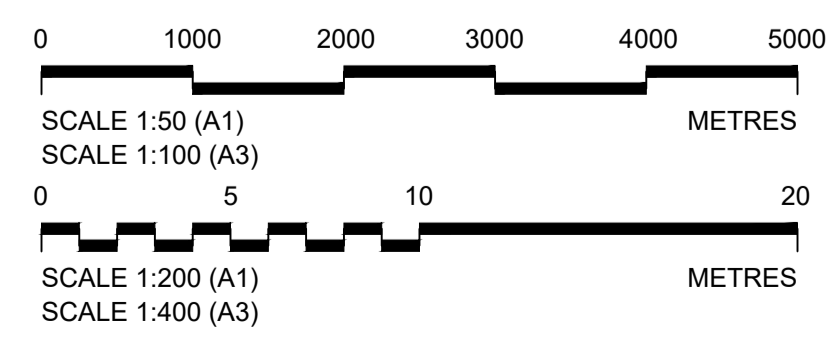
ELEVATION 1:200



TYPICAL SECTION 1:50

LEGEND	
	EMBANKMENT/CUTTING
	WEST ABUTMENT
	PIER
	EAST ABUTMENT
	SHY DISTANCE
	FINISHED ROAD LEVEL

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national highways

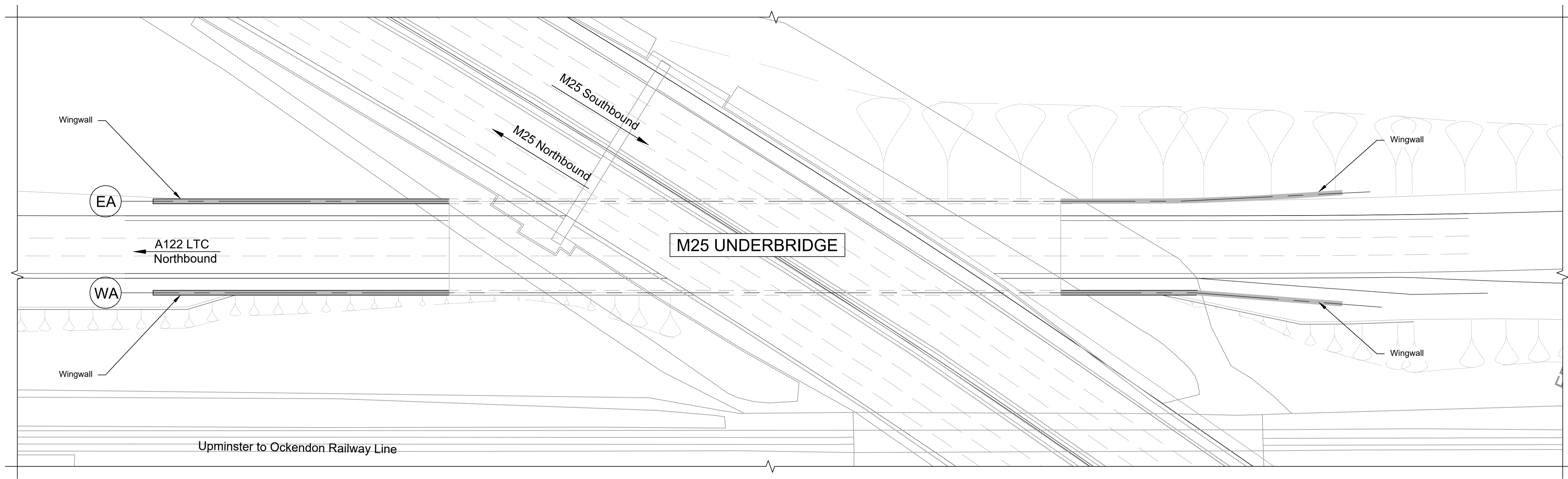
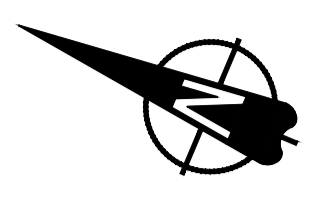
Client

Project

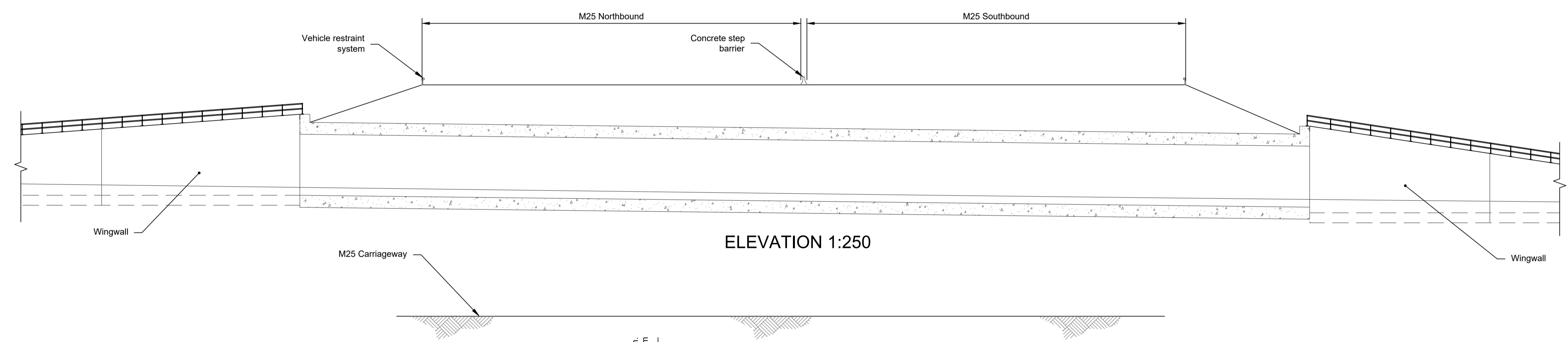
LOWER THAMES CROSSING

Status	DCO Application	Original Size	P01
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN
Drawing title	STRUCTURES PLANS 5(2)(o)		
	WORK NO. 9M		
	SHEET 57		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10087		

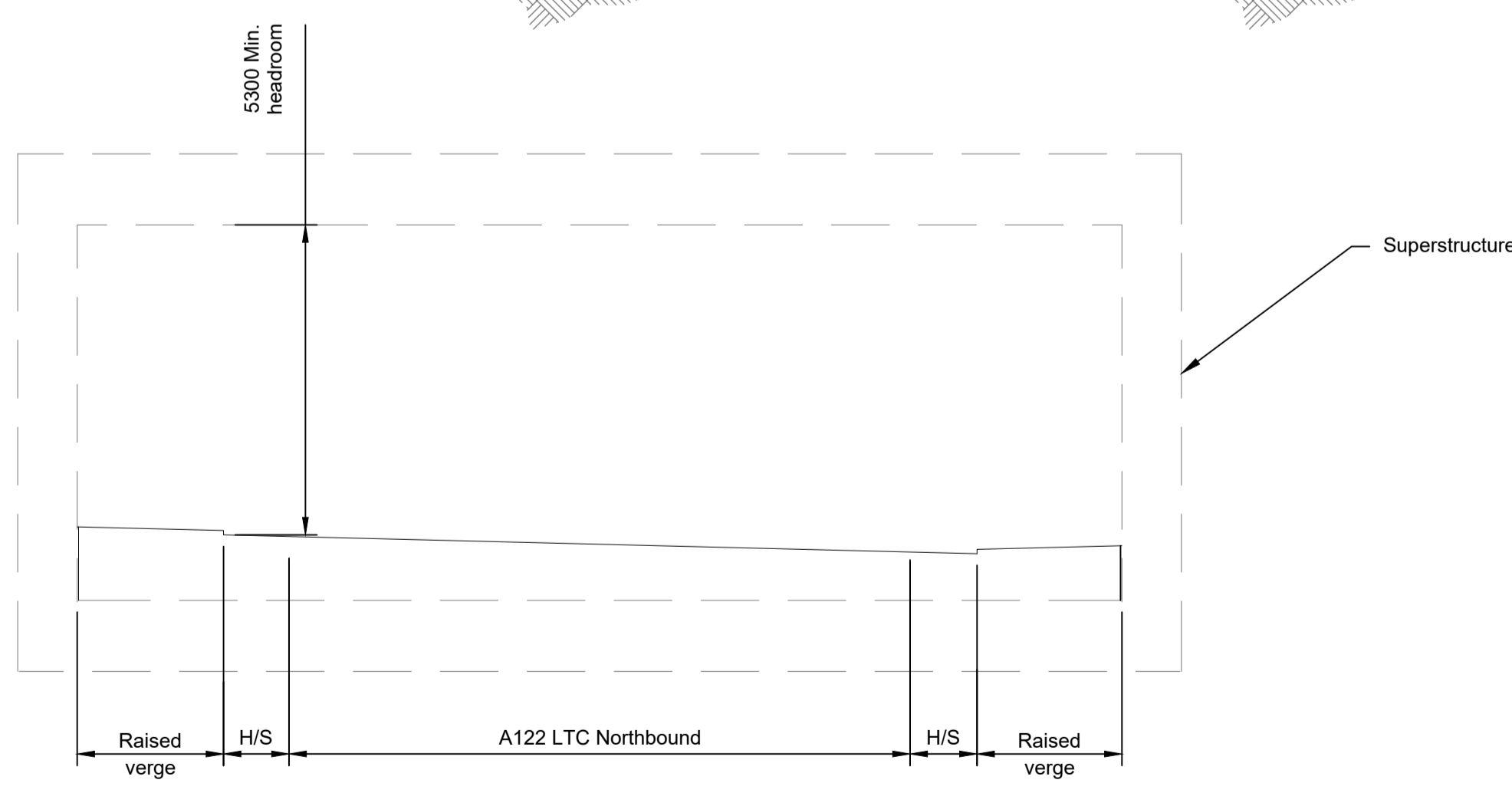
P01	SB	19/10/2022	DCO Application	PG1	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd



PLAN 1:500



ELEVATION 1:250

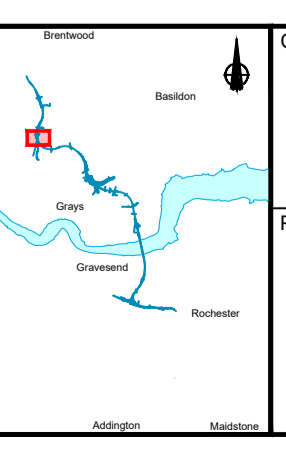
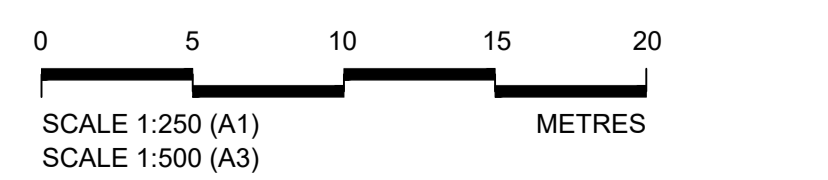
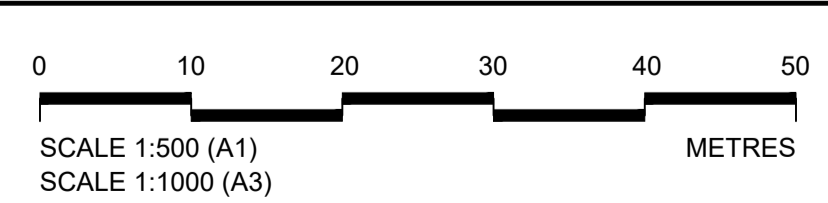
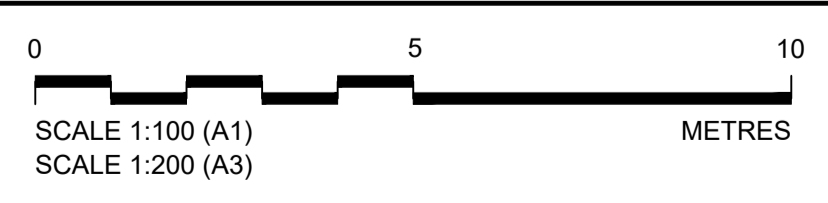


TYPICAL SECTION 1:100

LEGEND	
	EMBANKMENT/CUTTING
	WEST ABUTMENT
	EAST ABUTMENT
	HARD STRIP
	FINISHED ROAD LEVEL

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P01	SB	19/10/2022	DCO Application	PG1	BB ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd
				Apprv'd	

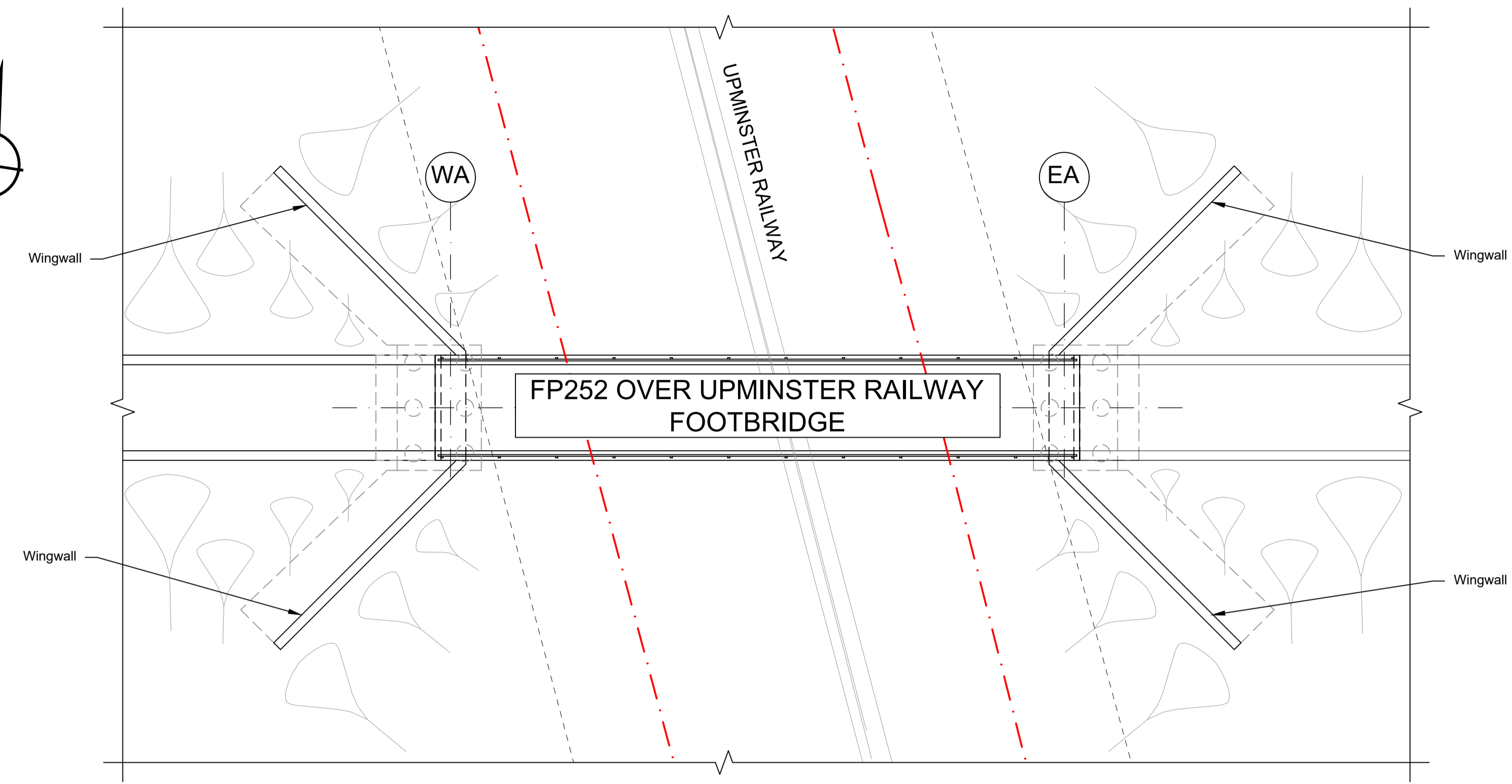
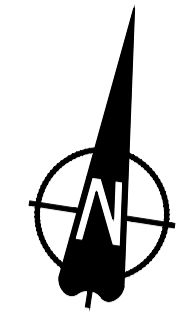
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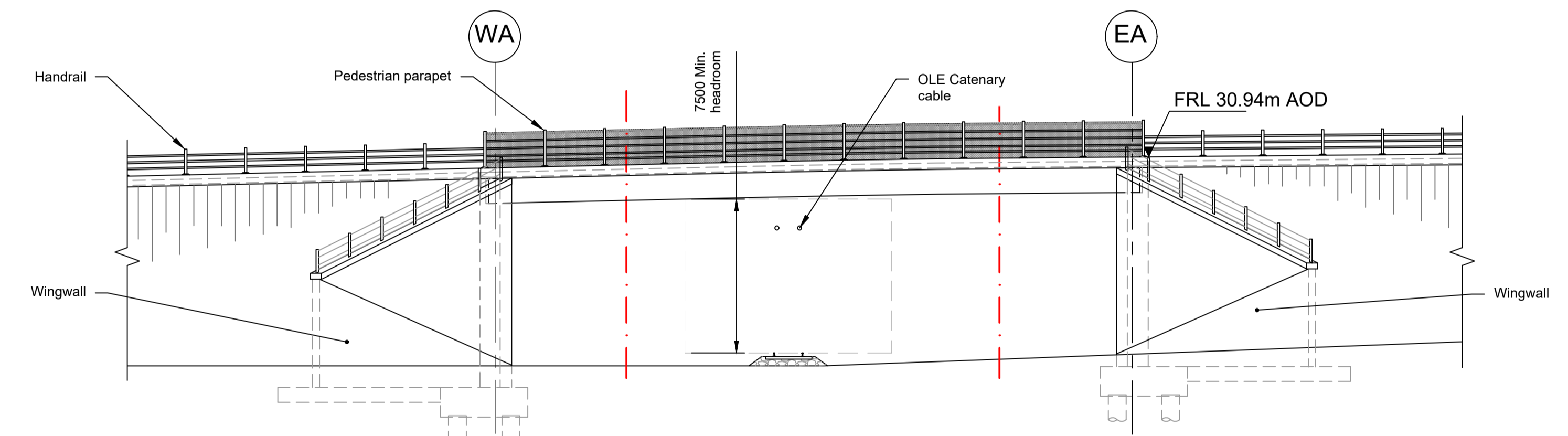
Client
national highways

Project
LOWER THAMES CROSSING

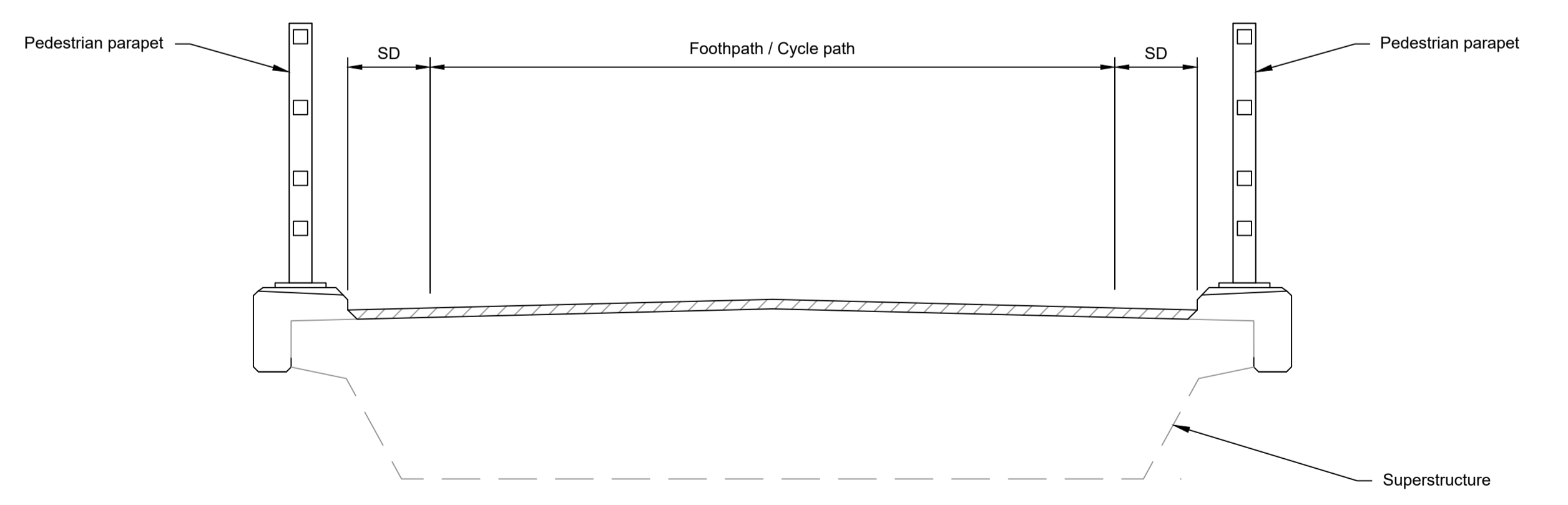
Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.13	A1	P01
Scale	AS SHOWN		
Drawing title	STRUCTURES PLANS 5(2)(o)		
	WORK NO. 9A		
	SHEET 58		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10088		



PLAN 1:200



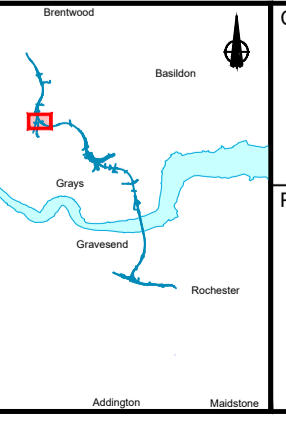
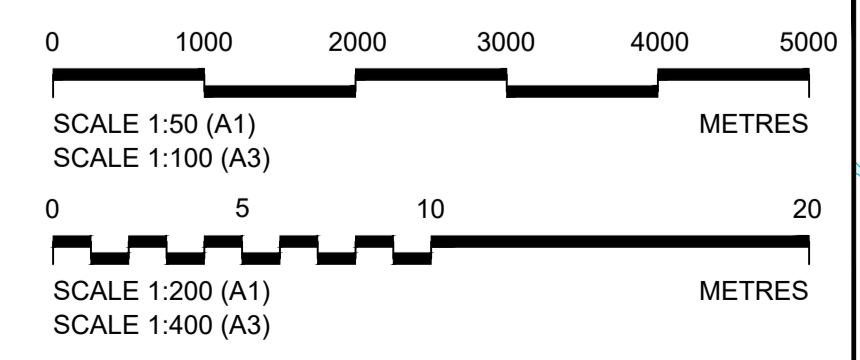
ELEVATION 1:200



TYPICAL SECTION 1:50

LEGEND	
	EMBANKMENT/CUTTING
	WEST ABUTMENT
	EAST ABUTMENT
	NETWORK RAIL BOUNDARY
	SHY DISTANCE
	FINISHED ROAD LEVEL
	OVERHEAD LINE EQUIPMENT

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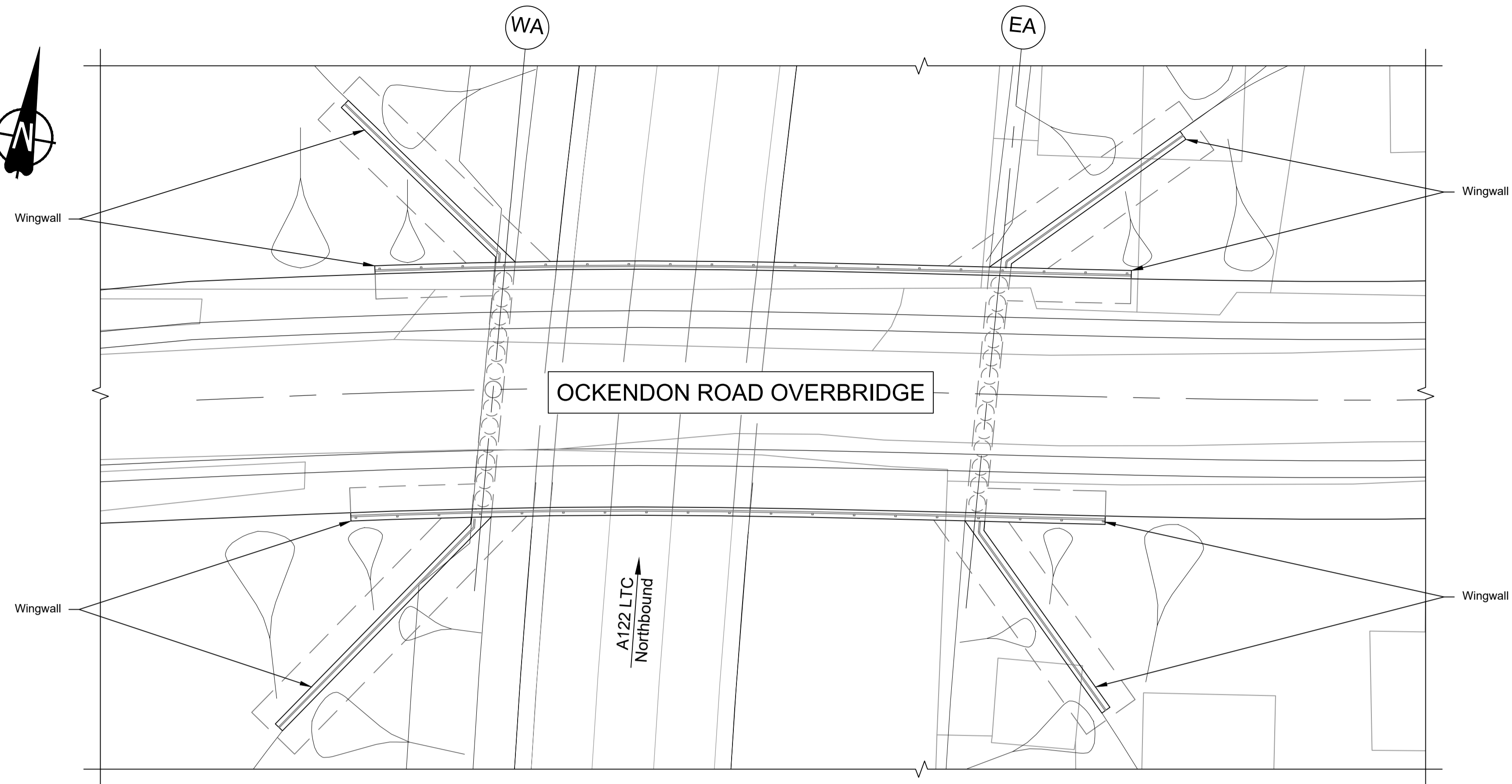


Client: **national highways**

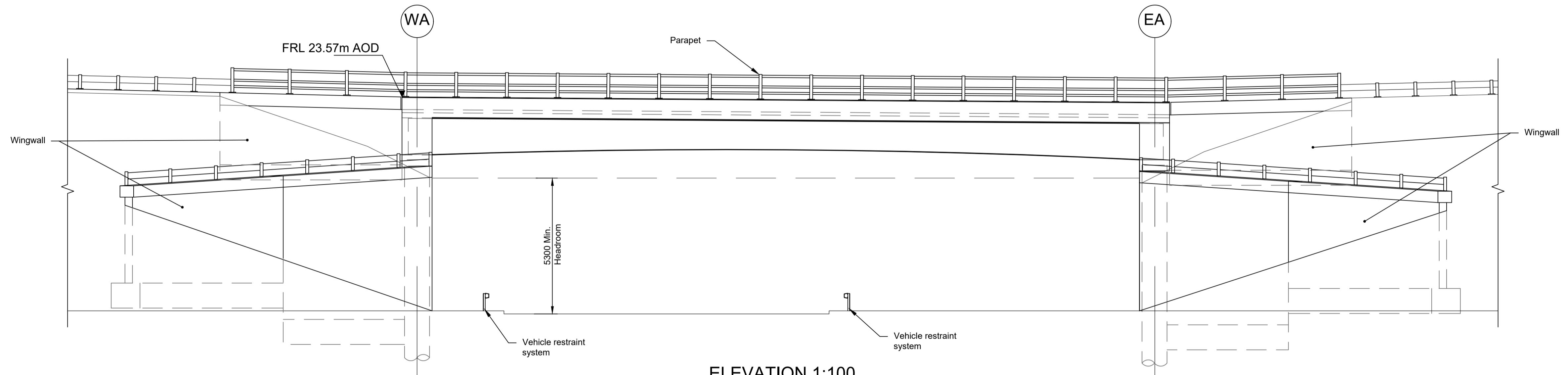
Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.13	A1	P01
Scale	AS SHOWN		
Drawing title	STRUCTURES PLANS 5(2)(o)		
	WORK NO. 9M		
	SHEET 59		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10089		

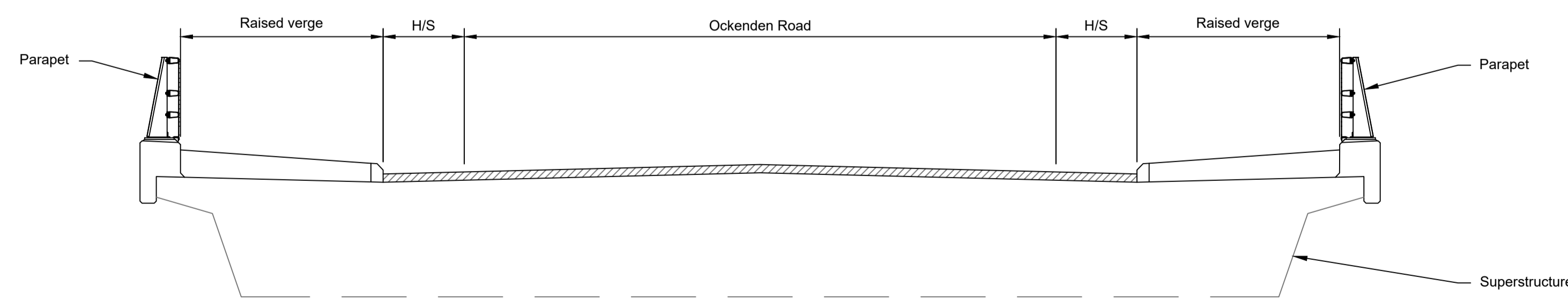
P01	SB	19/10/2022	DCO Application	PG1	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd



PLAN 1:200



ELEVATION 1:100



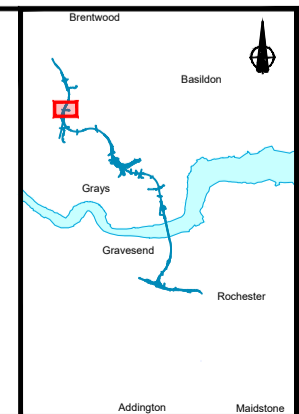
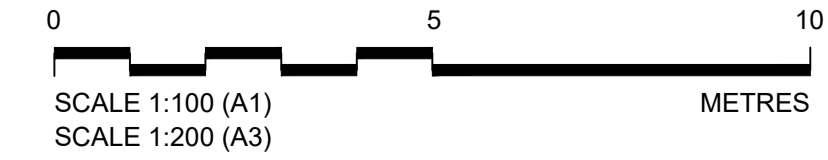
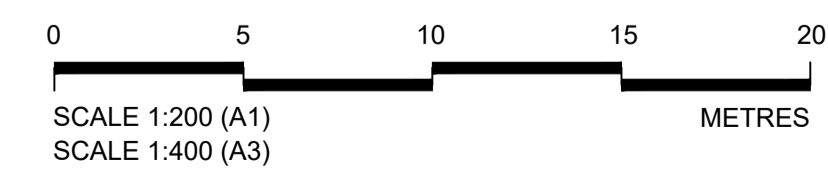
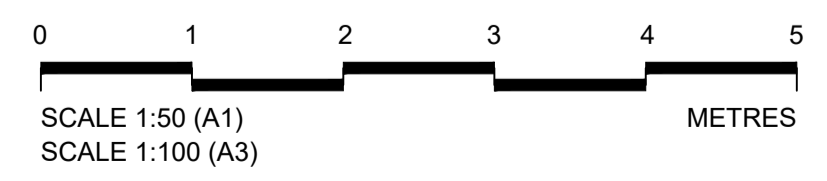
TYPICAL SECTION 1:50

LEGEND	
	EMBANKMENT/CUTTING
	WEST ABUTMENT
	EAST ABUTMENT
	HARDSTRIP
	FINISHED ROAD LEVEL

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P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

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 - Full length of piles not shown.

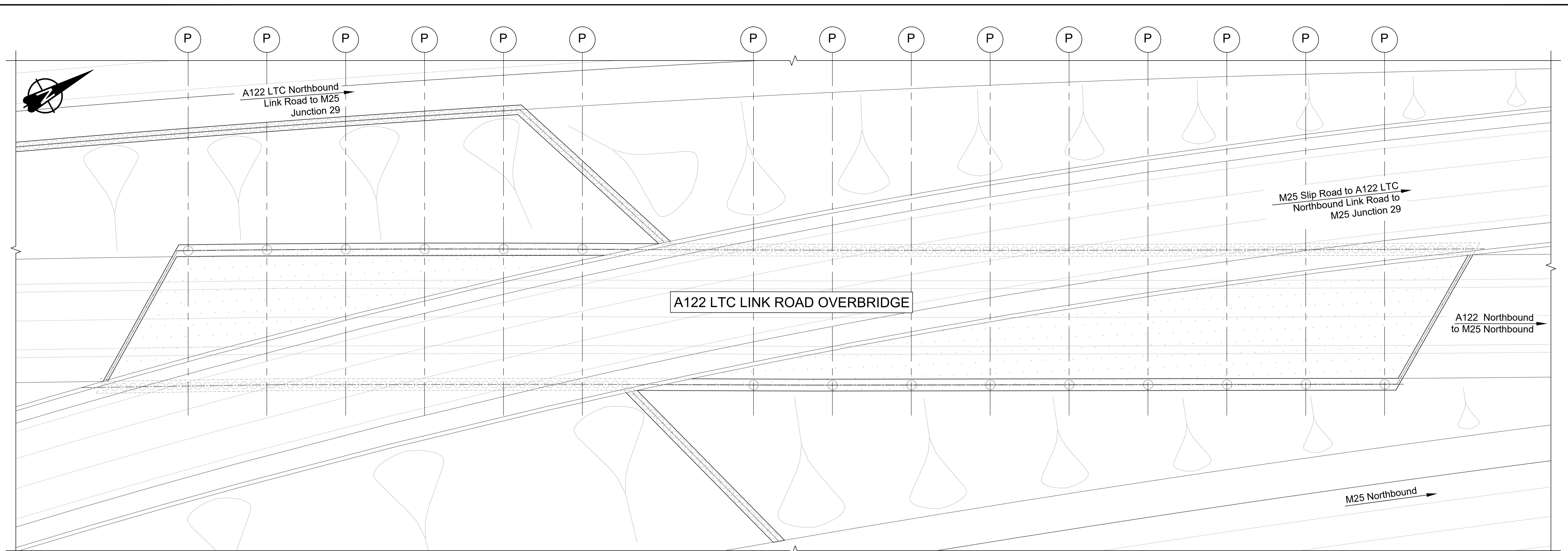


Client

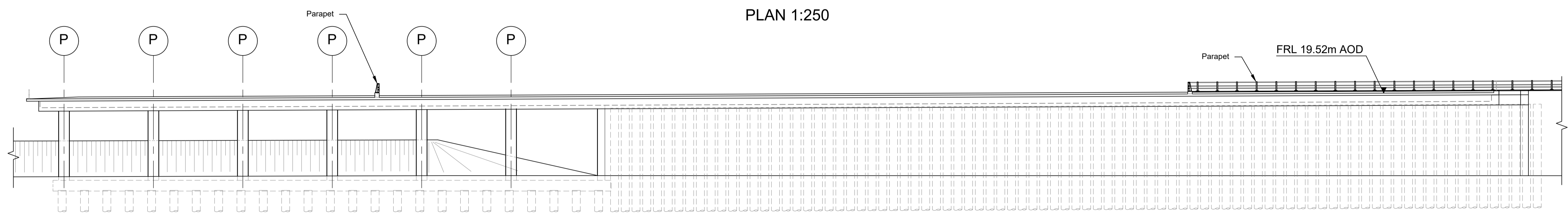
Project

LOWER THAMES CROSSING

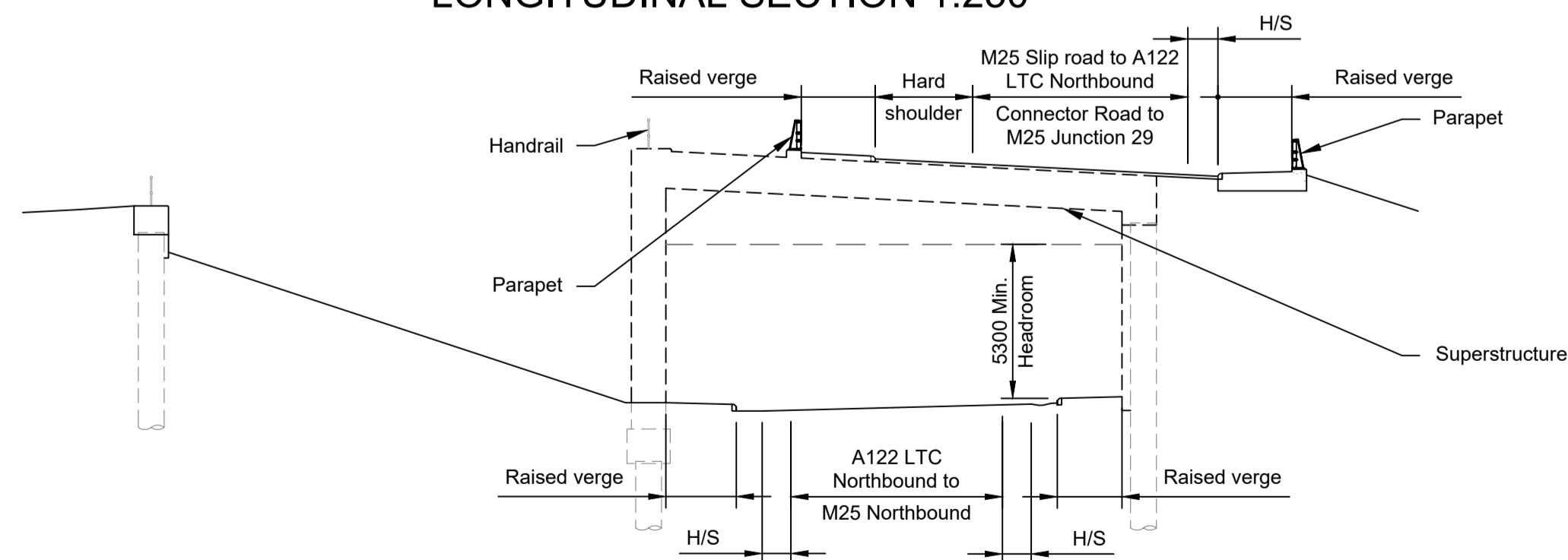
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Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10090				



PLAN 1:250



LONGITUDINAL SECTION 1:250

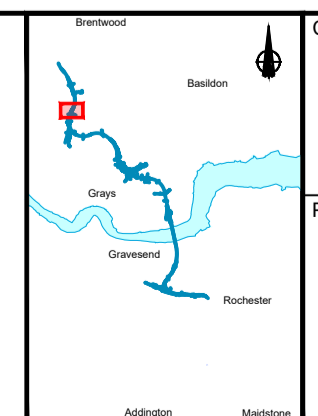
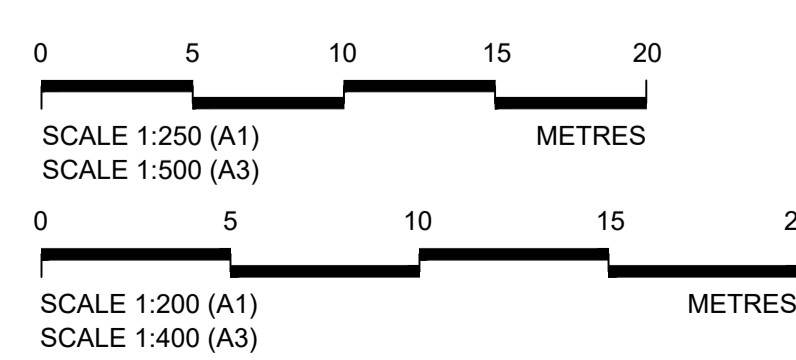


SECTION 1:200

LEGEND	
	EMBANKMENT/CUTTING
	PIER
	H/S HARD STRIP
	FRL FINISHED ROAD LEVEL

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P01	SB	19/10/2022	DCO Application	PG1	BB ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd
				Apprv'd	

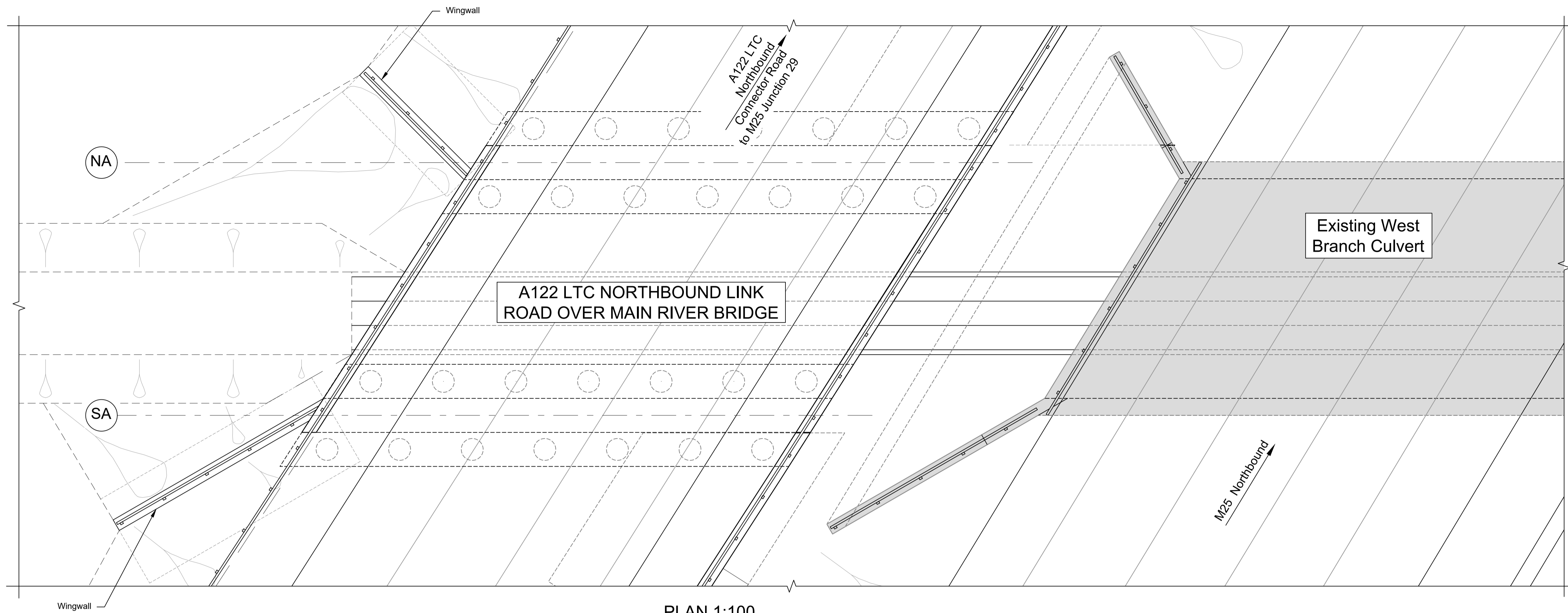
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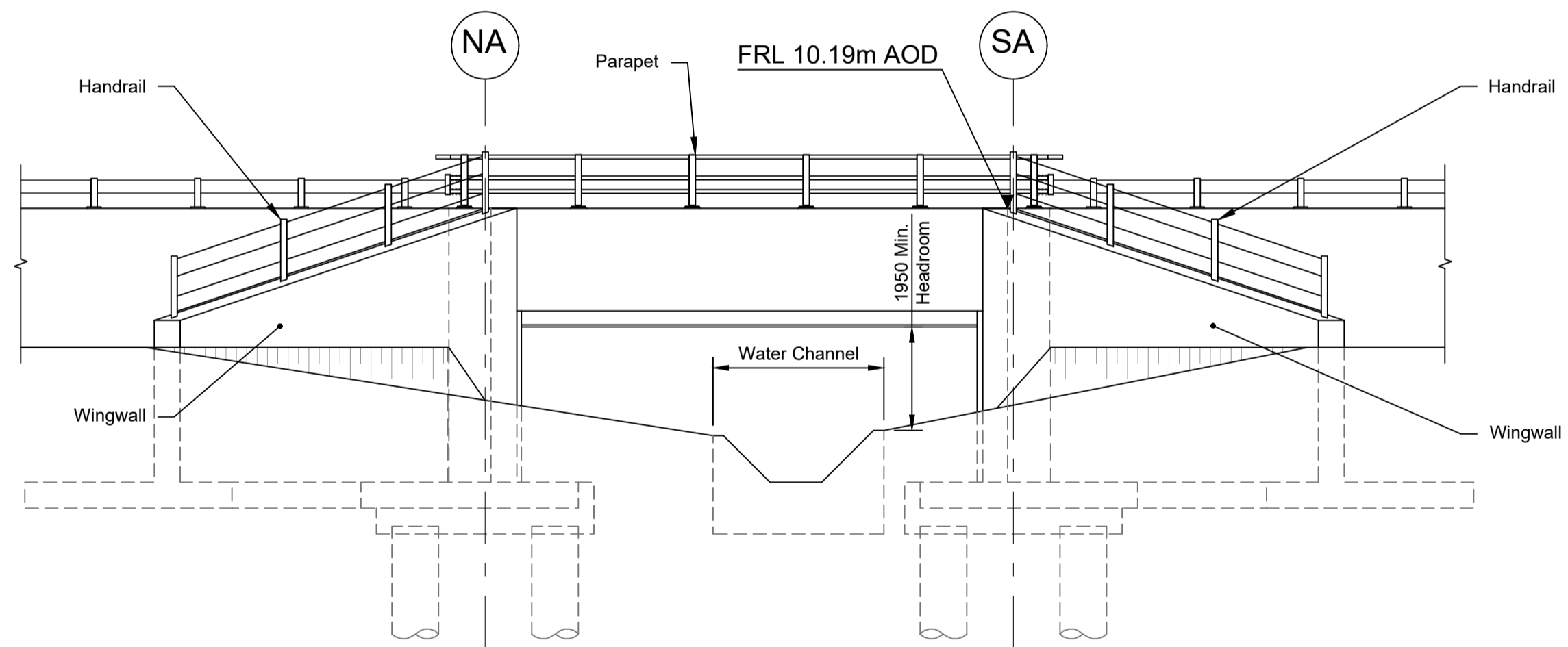
Client
national highways

Project
LOWER THAMES CROSSING

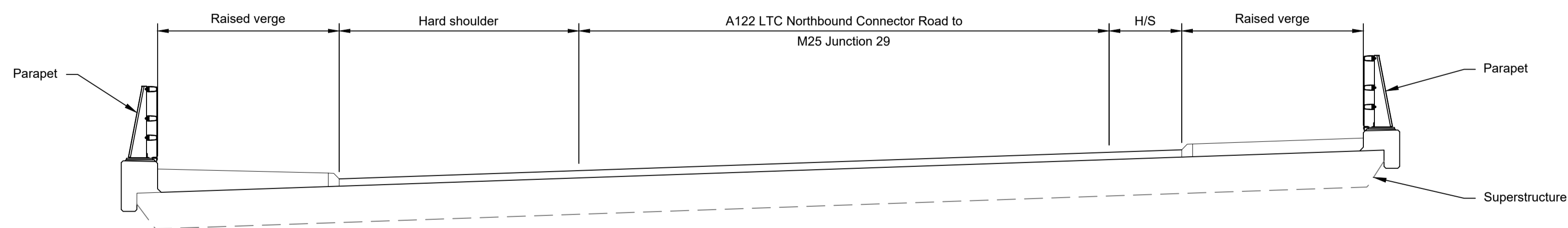
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	SHEET 61		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10091		



PLAN 1:100



ELEVATION 1:100

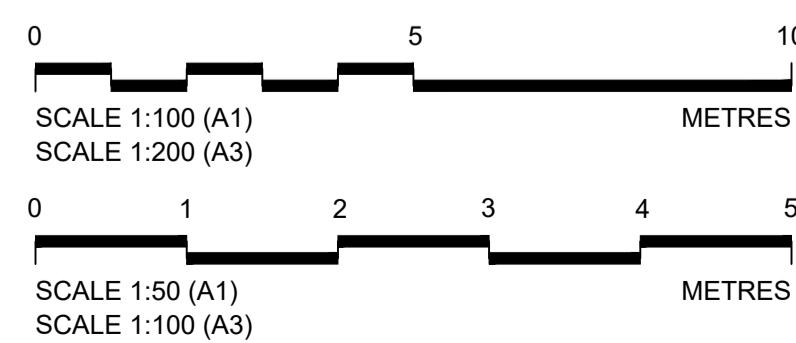


TYPICAL SECTION 1:50

LEGEND	
	EMBANKMENT/CUTTING
	NORTH ABUTMENT
	SOUTH ABUTMENT
	EXISTING BRIDGE
	HARDSTRIP
	FINISHED ROAD LEVEL

NOTES:

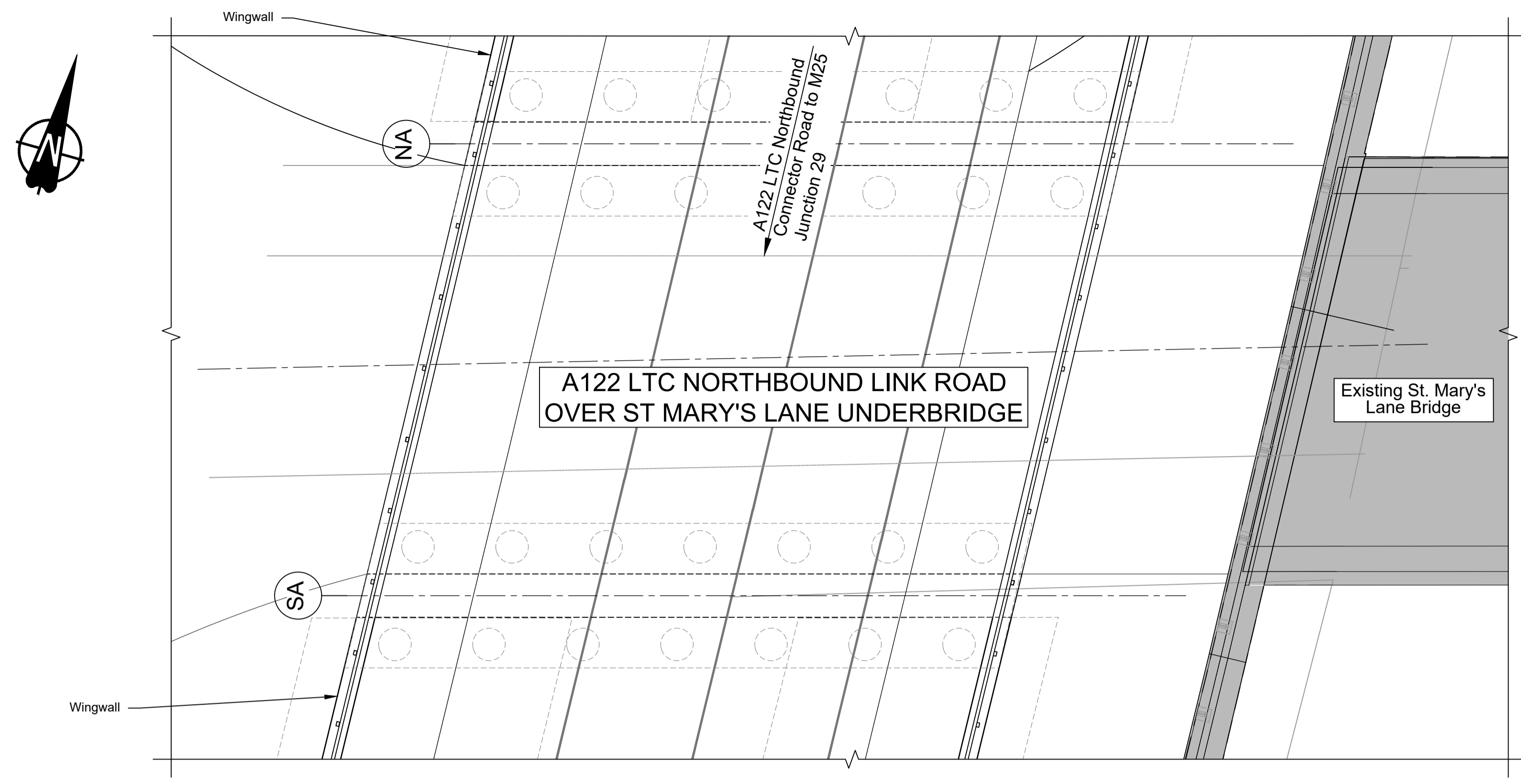
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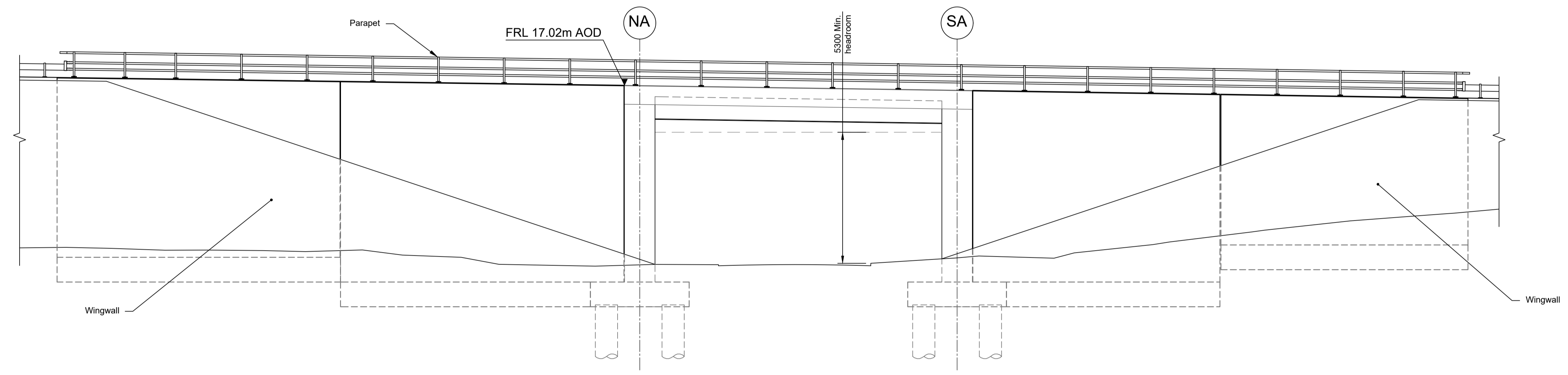
LOWER THAMES CROSSING

Status	DCO Application	Original Size	P01
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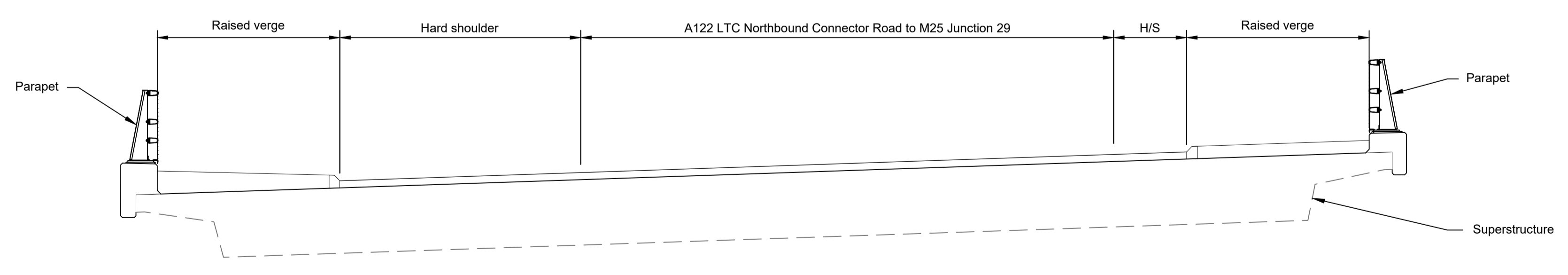
P01	SB	19/10/2022	DCO Application	PG1	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd



PLAN 1:100



ELEVATION 1:100



TYPICAL SECTION 1:50

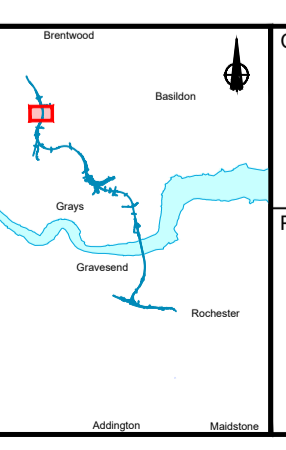
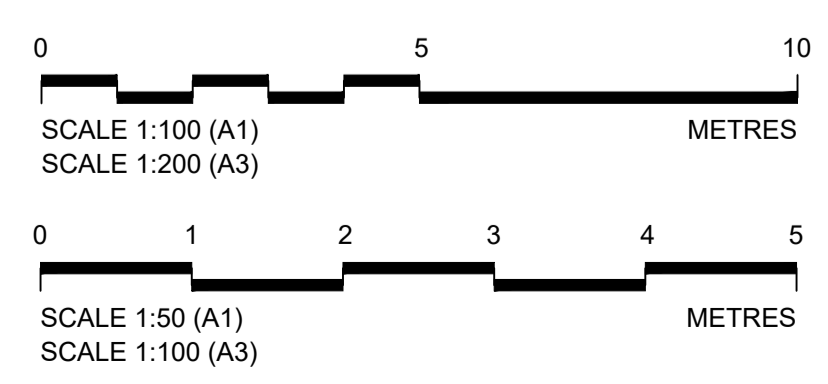
LEGEND

	EMBANKMENT/CUTTING
	NORTH ABUTMENT
	SOUTH ABUTMENT
	EXISTING BRIDGE
	HARDSTRIP
	FINISHED ROAD LEVEL

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P01	SB	19/10/2022	DCO Application	PG1	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

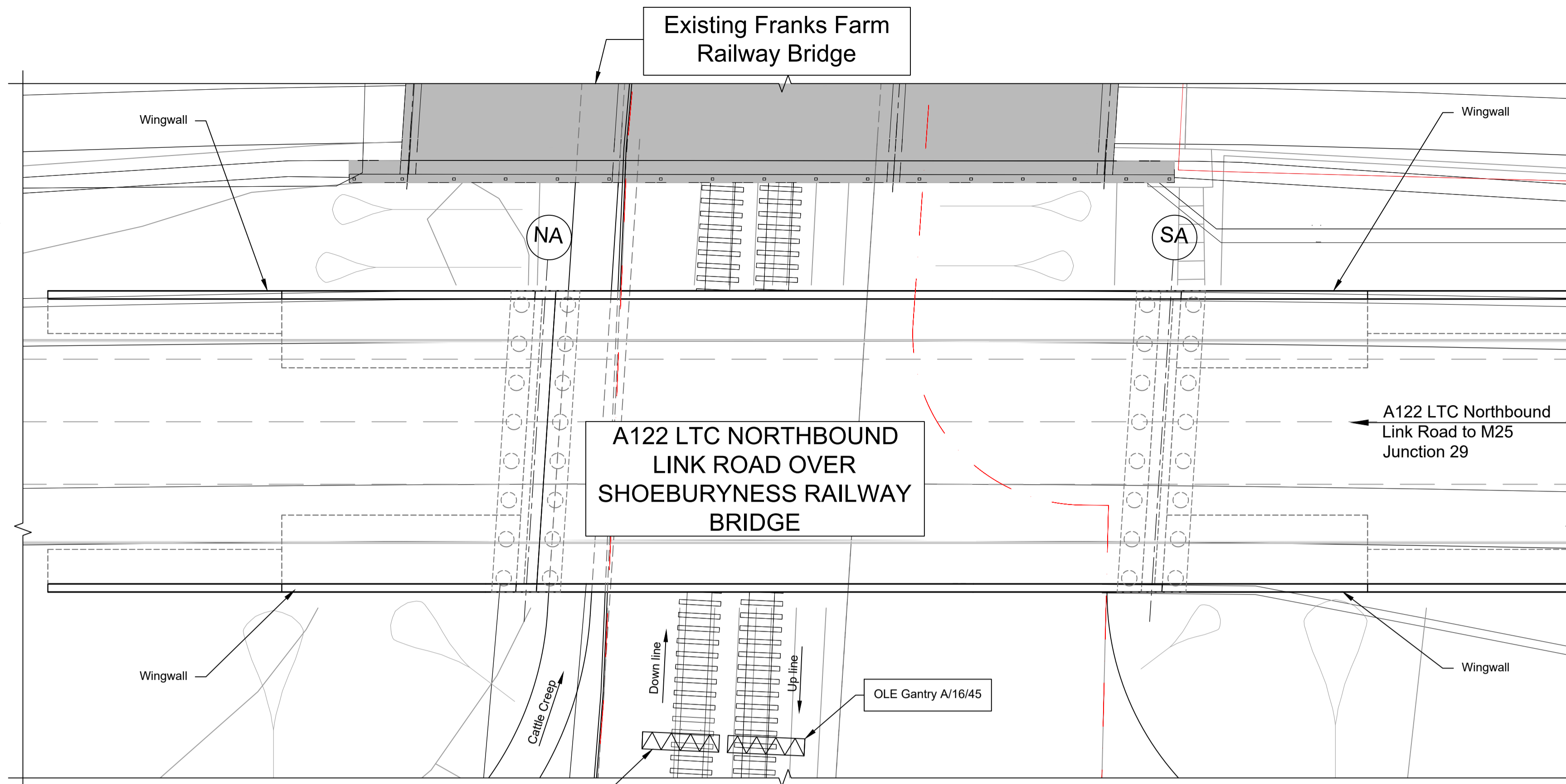
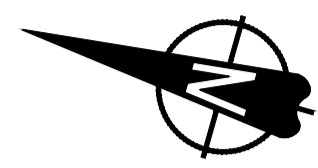
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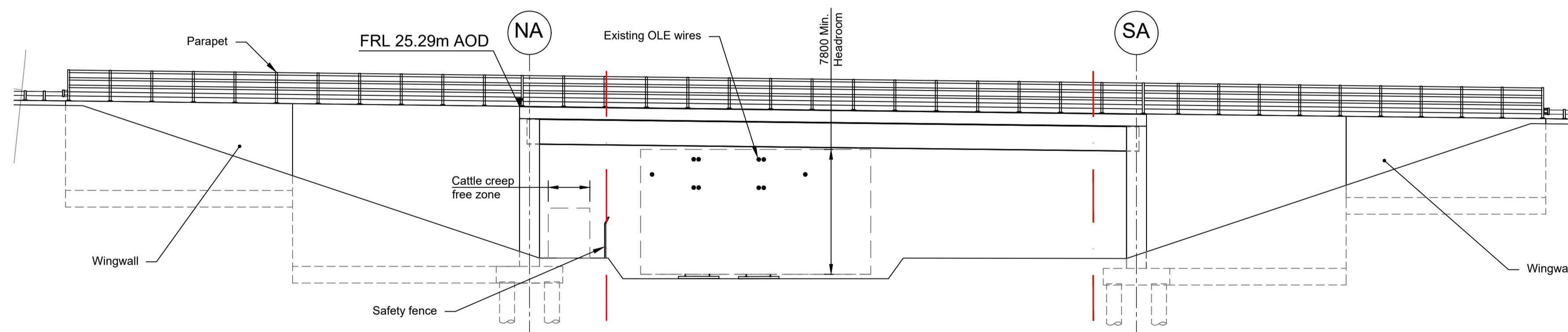
Client: national highways

Project: LOWER THAMES CROSSING

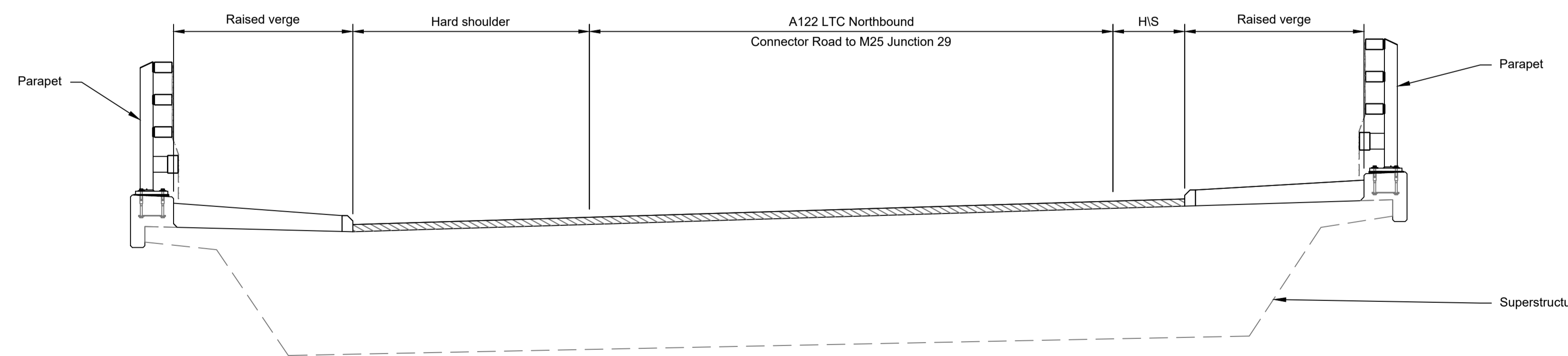
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Application Document Number	TR010032/APP/2.13	A1	P01
Scale	AS SHOWN		
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Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10093		



PLAN 1:200



ELEVATION 1:200

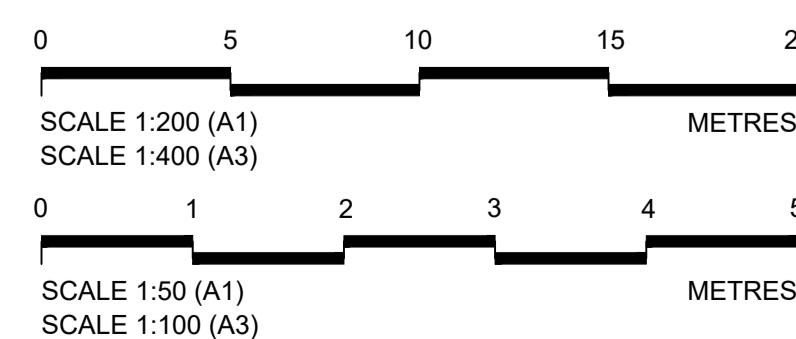


TYPICAL SECTION 1:50

LEGEND	
	EMBANKMENT/CUTTING
	NORTH ABUTMENT
	SOUTH ABUTMENT
	NETWORK RAIL LAND BOUNDARY
	HARD STRIP
	FINISHED ROAD LEVEL
	OVERHEAD LINE EQUIPMENT

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P01	SB	19/10/2022	DCO Application	PG1	BB ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd
				Apprv'd	

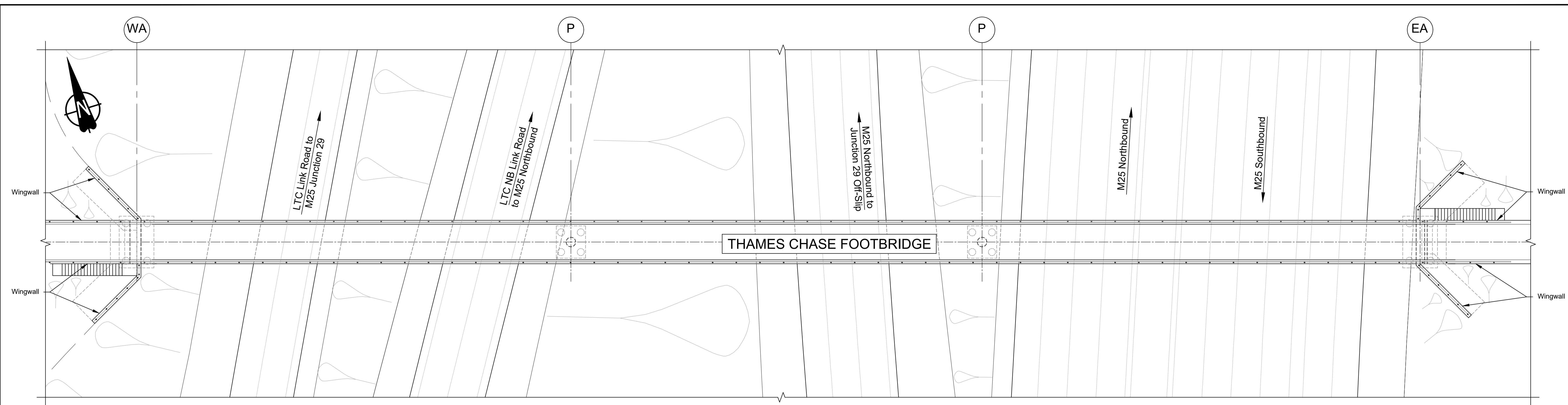
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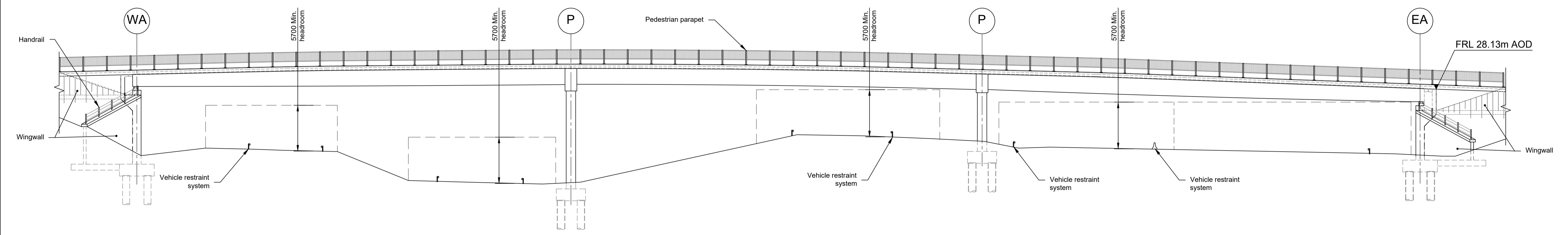
Client: national highways

Project: LOWER THAMES CROSSING

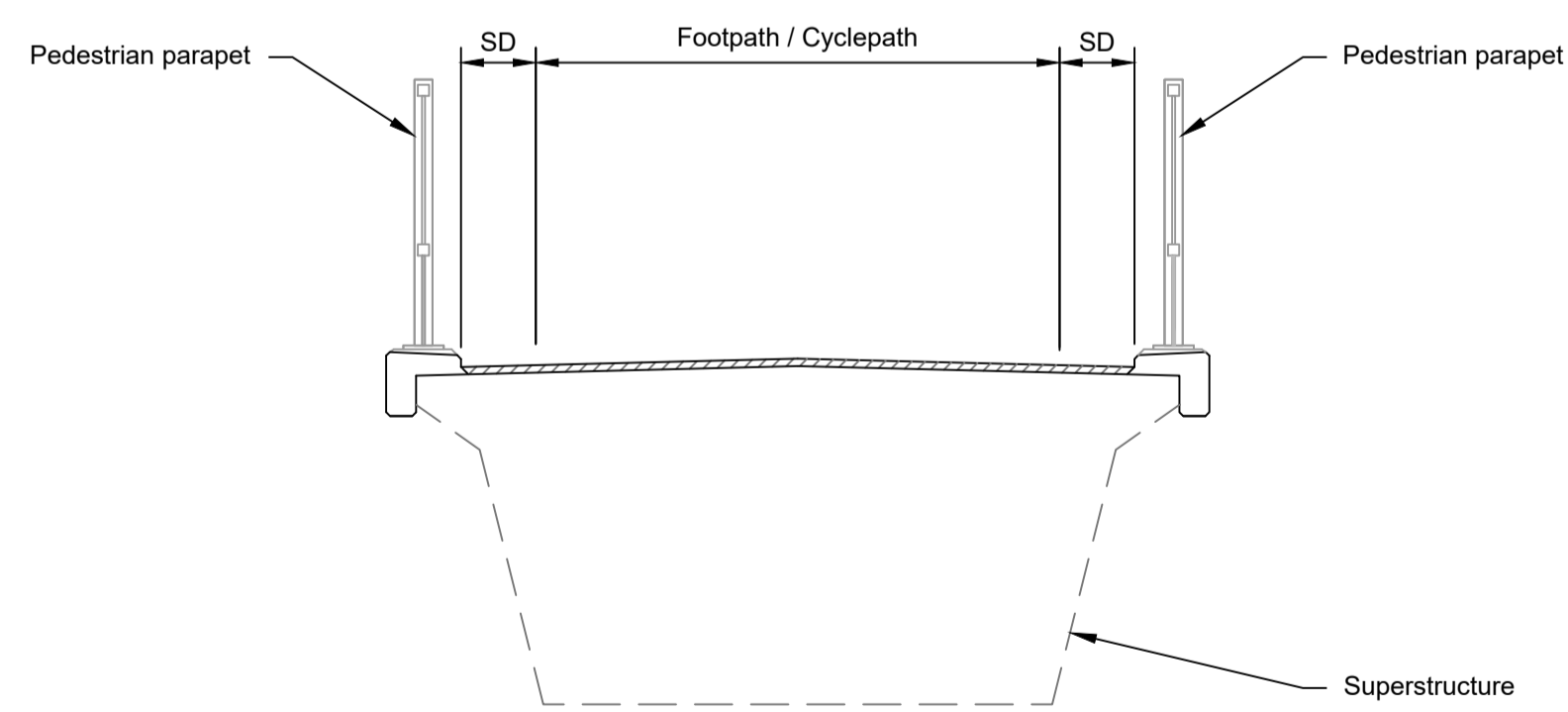
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Scale	AS SHOWN		
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Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10094		



PLAN 1:250



ELEVATION 1:250

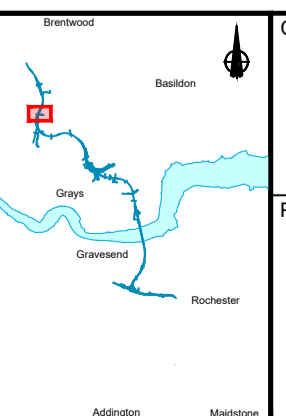
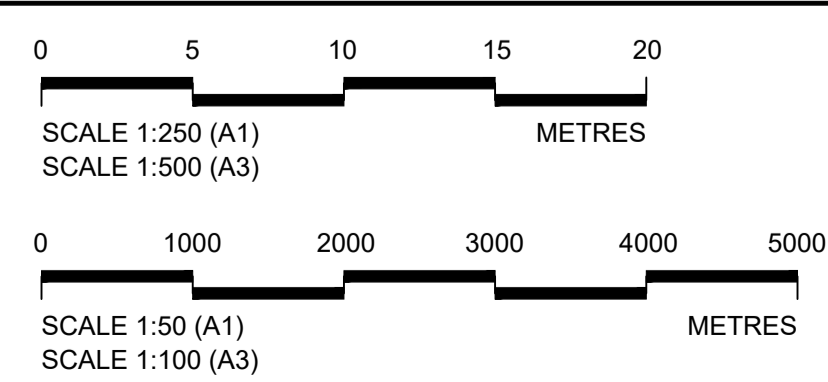


TYPICAL SECTION 1:50

LEGEND	
	EMBANKMENT/CUTTING
	WEST ABUTMENT
	PIER
	EAST ABUTMENT
SD	SHY DISTANCE
FRL	FINISHED ROAD LEVEL

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P01	SB	19/10/2022	DCO Application	PG1	BB ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd/ Apprv'd

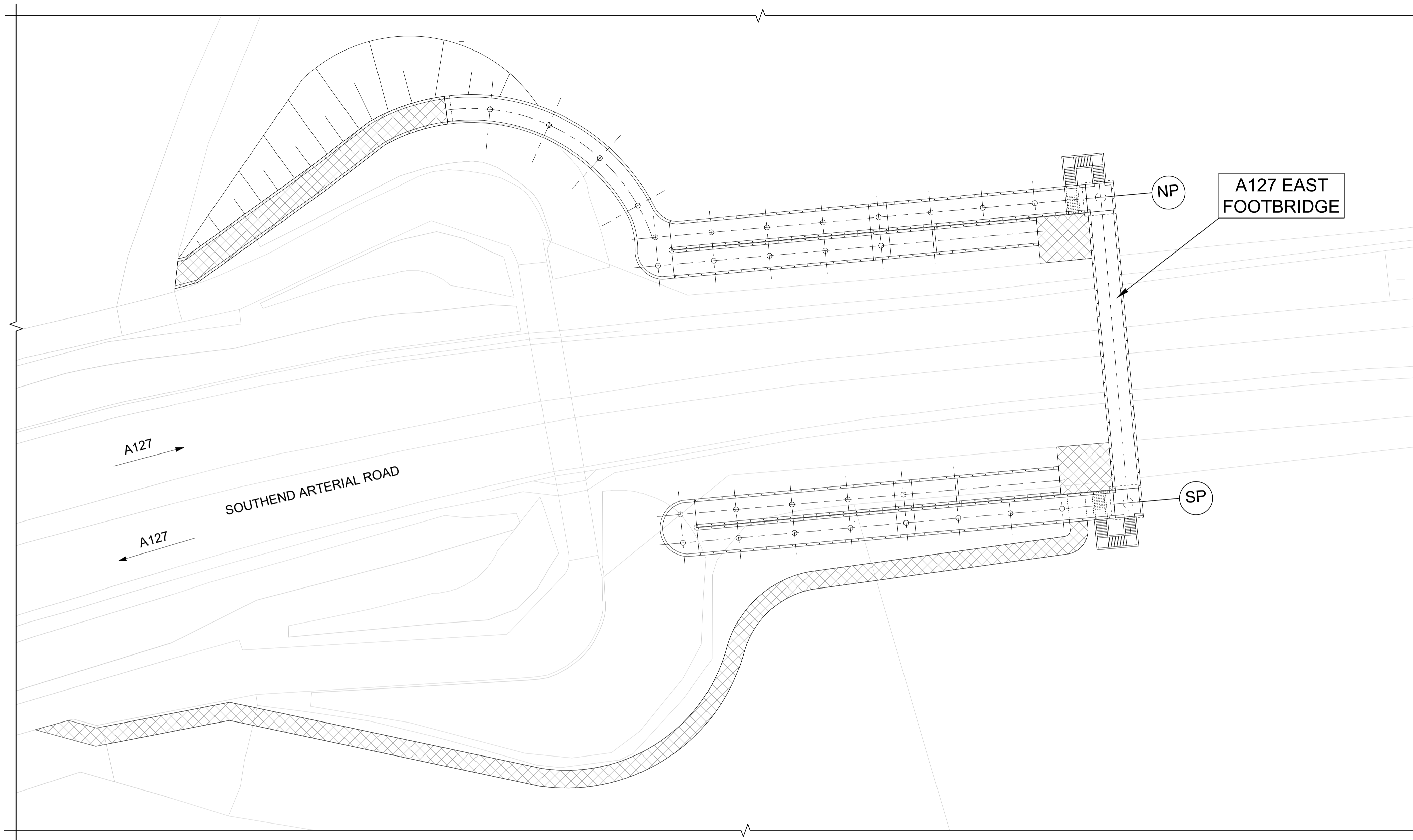
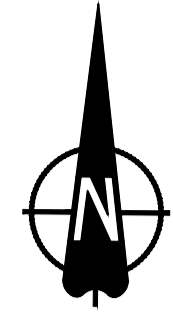
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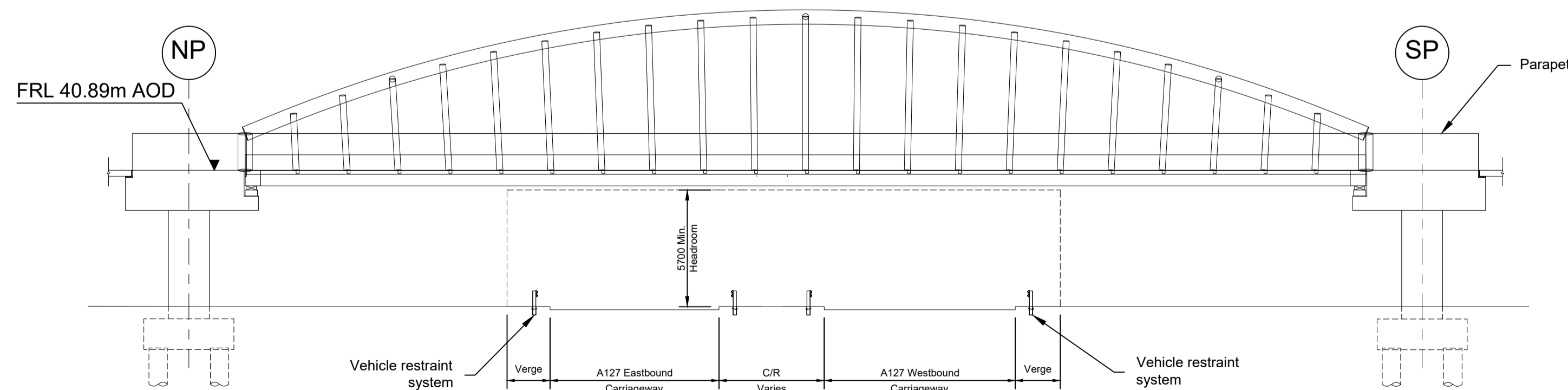
Client:

Project: LOWER THAMES CROSSING

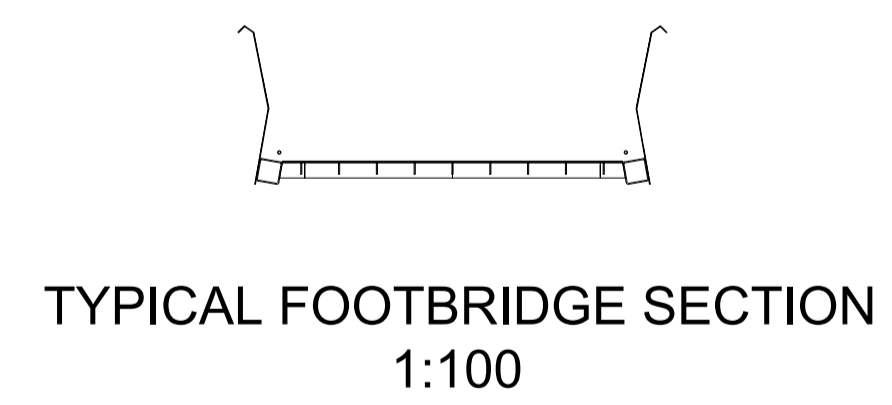
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Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10095		



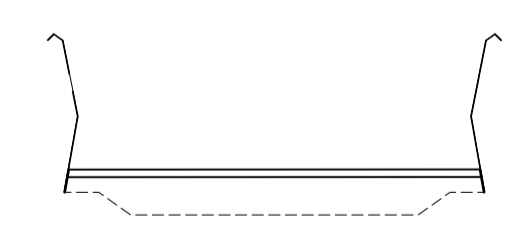
PLAN 1:500



LONGITUDINAL SECTION 1:200



TYPICAL FOOTBRIDGE SECTION 1:100

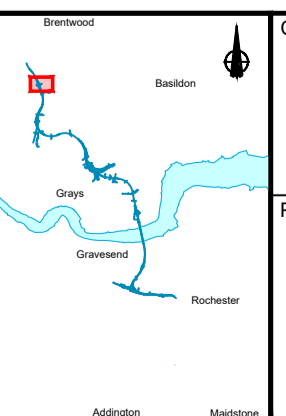
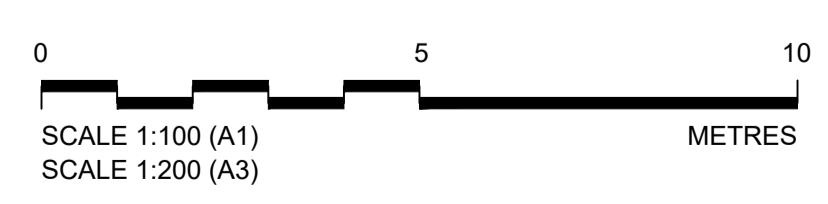
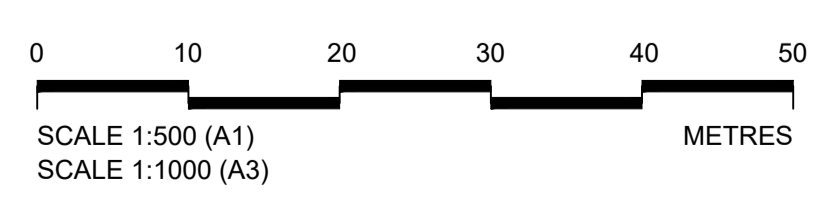


TYPICAL RAMP SECTION 1:100

LEGEND	
	EMBANKMENT/CUTTING
	GRADE BRIDLEWAY/ CYCLEWAY
	NORTH PIER
	SOUTH PIER
FRL	FINISHED ROAD LEVEL
C/R	CENTRAL RESERVE

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P01	SB	19/10/2022	DCO Application	PG1	BB ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd Appr'd

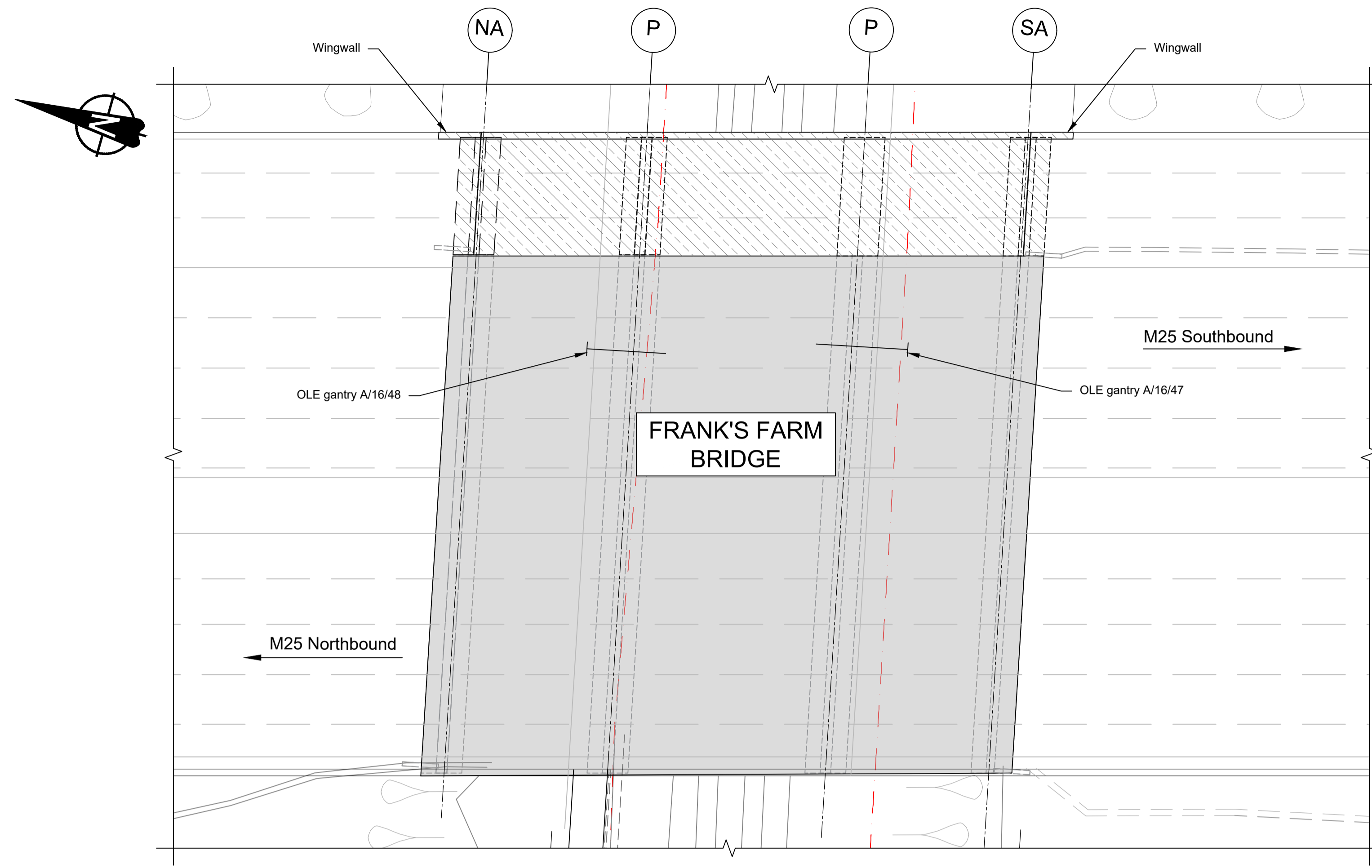
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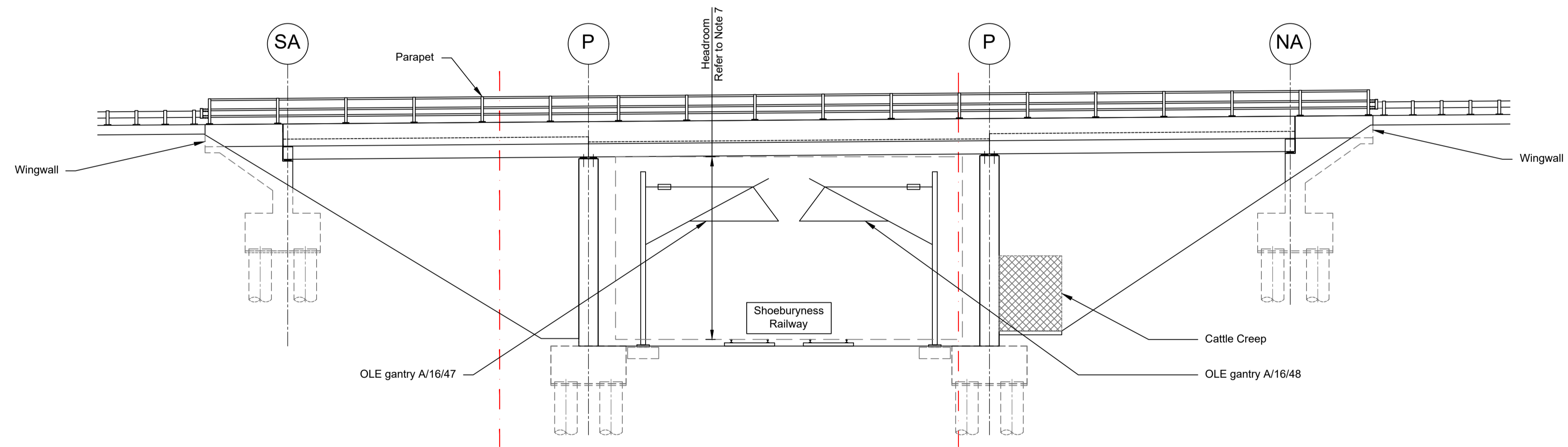
Client: **national highways**

Project: **LOWER THAMES CROSSING**

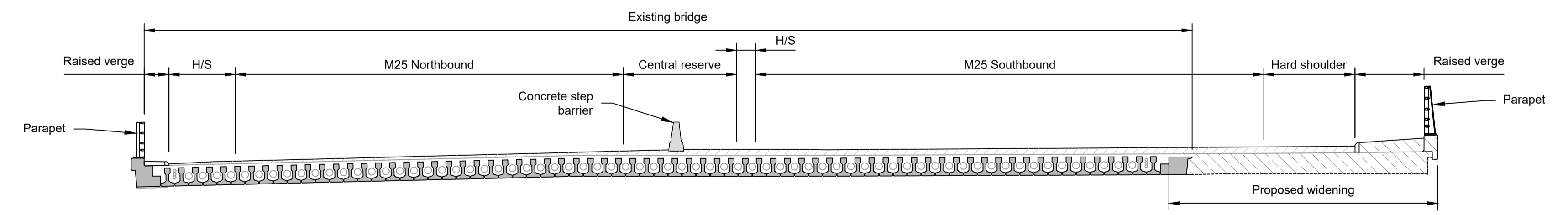
Status	DCO Application	Original Size	Revision
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	SHEET 66		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10096		



PLAN 1:250



ELEVATION 1:125



TYPICAL SECTION (CENTRAL SPAN) 1:125

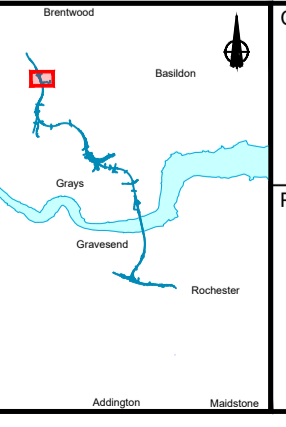
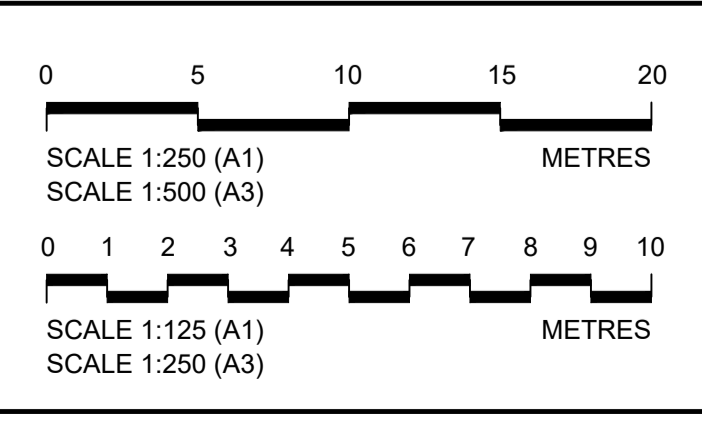
LEGEND

	EMBANKMENT/CUTTING
	NORTH ABUTMENT
	PIER
	SOUTH ABUTMENT
	EXISTING STRUCTURE TO BE RETAINED
	PROPOSED STRUCTURE
	HARD STRIP
	OVERHEAD LINE EQUIPMENT
	NETWORK RAIL LAND BOUNDARY

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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

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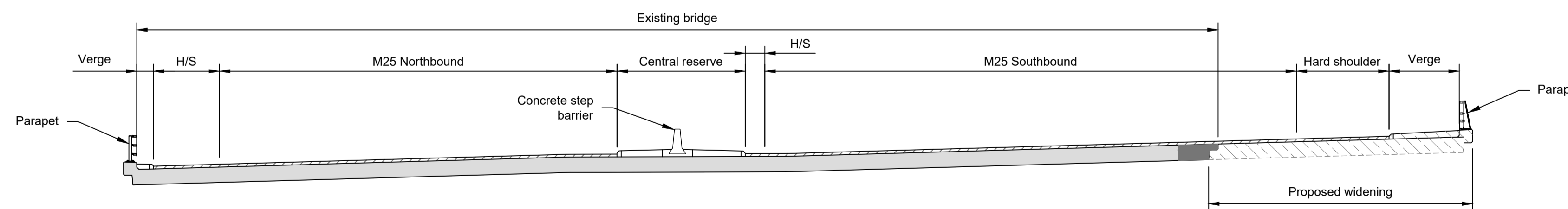
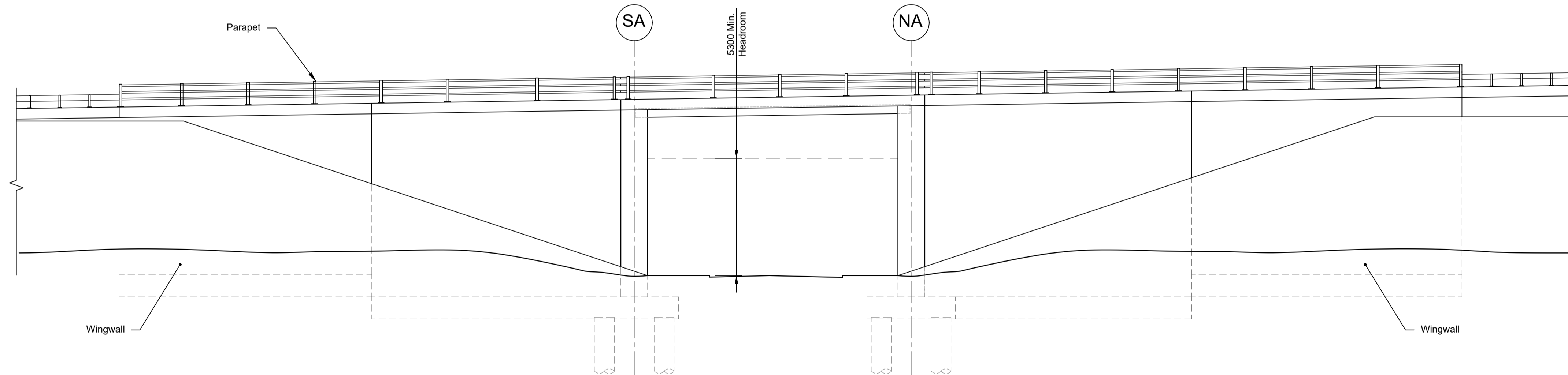
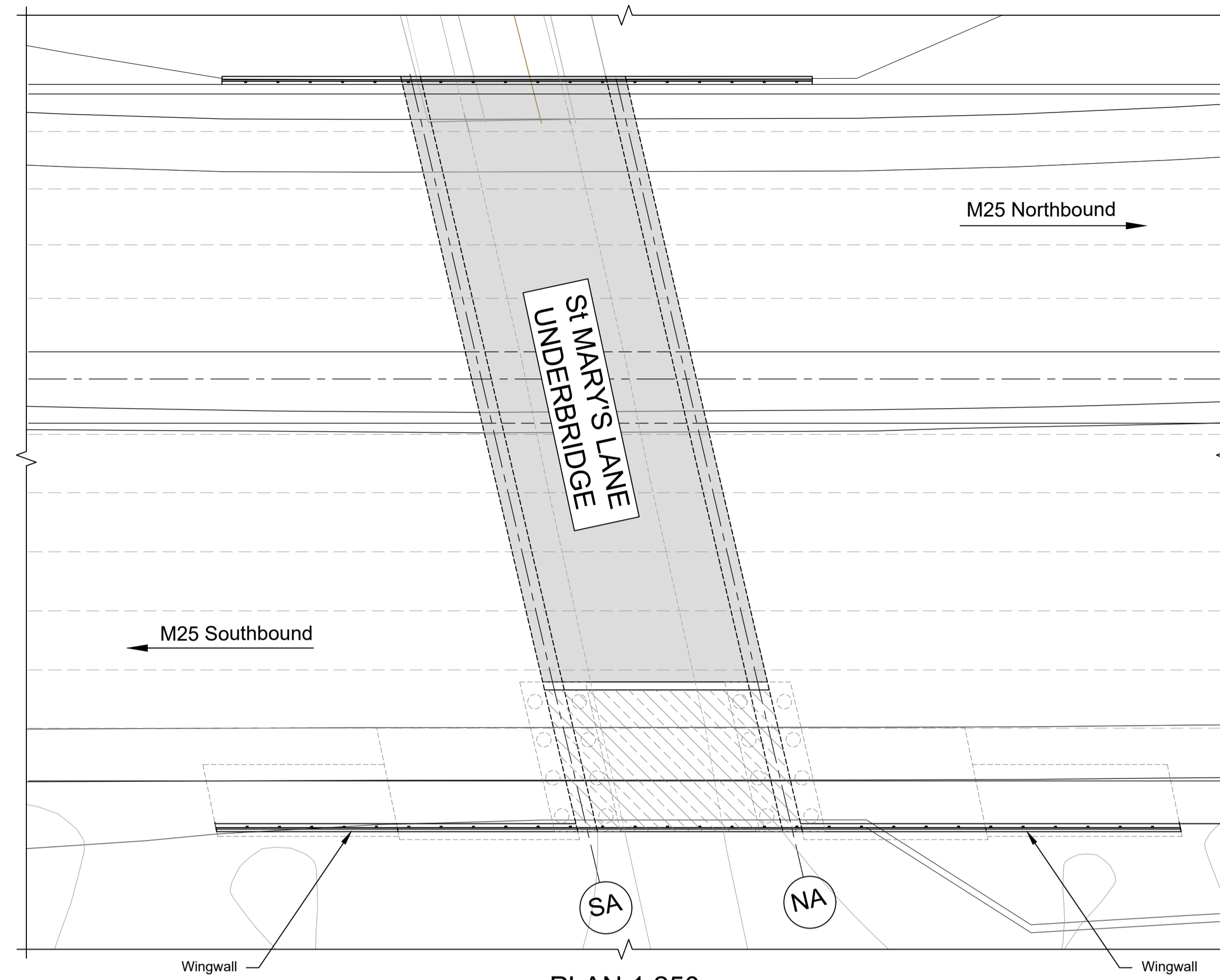
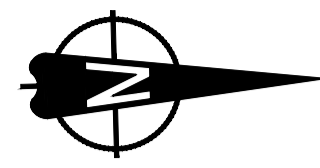


Client

Project

LOWER THAMES CROSSING

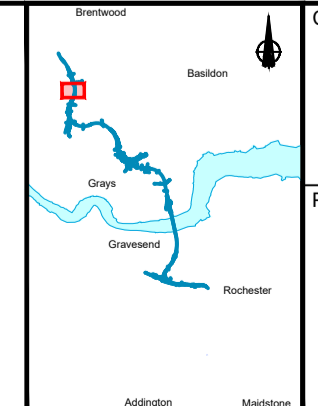
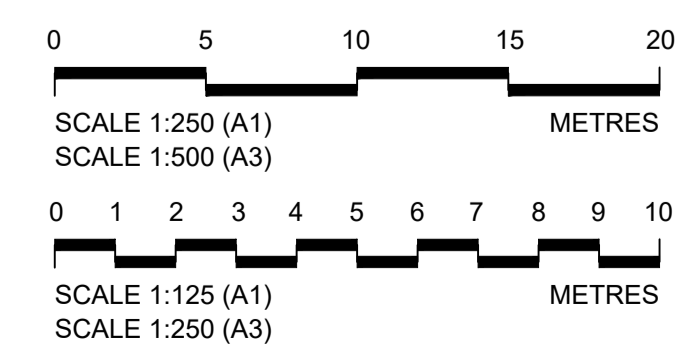
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	WORK NO. 9E		
	SHEET 67		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10100		



LEGEND	
	EMBANKMENT/CUTTING
	NORTH ABUTMENT
	SOUTH ABUTMENT
	PROPOSED STRUCTURE
	EXISTING STRUCTURE
	HARD STRIP

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					Apprv'd

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 - Full length of piles not shown.

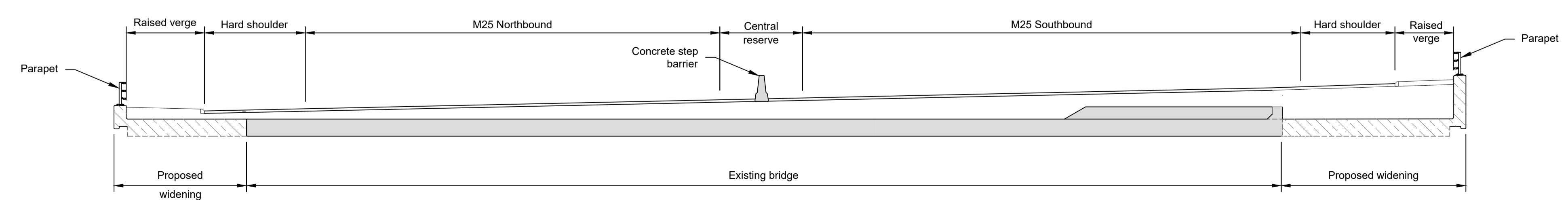
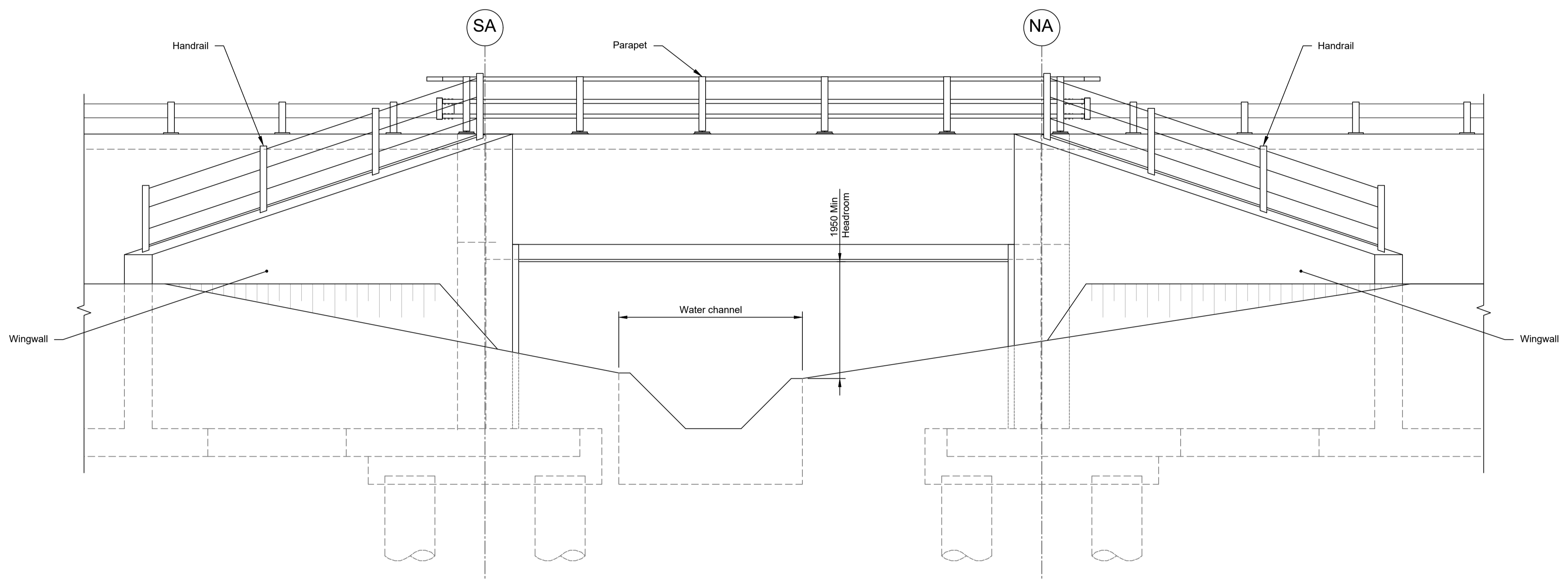
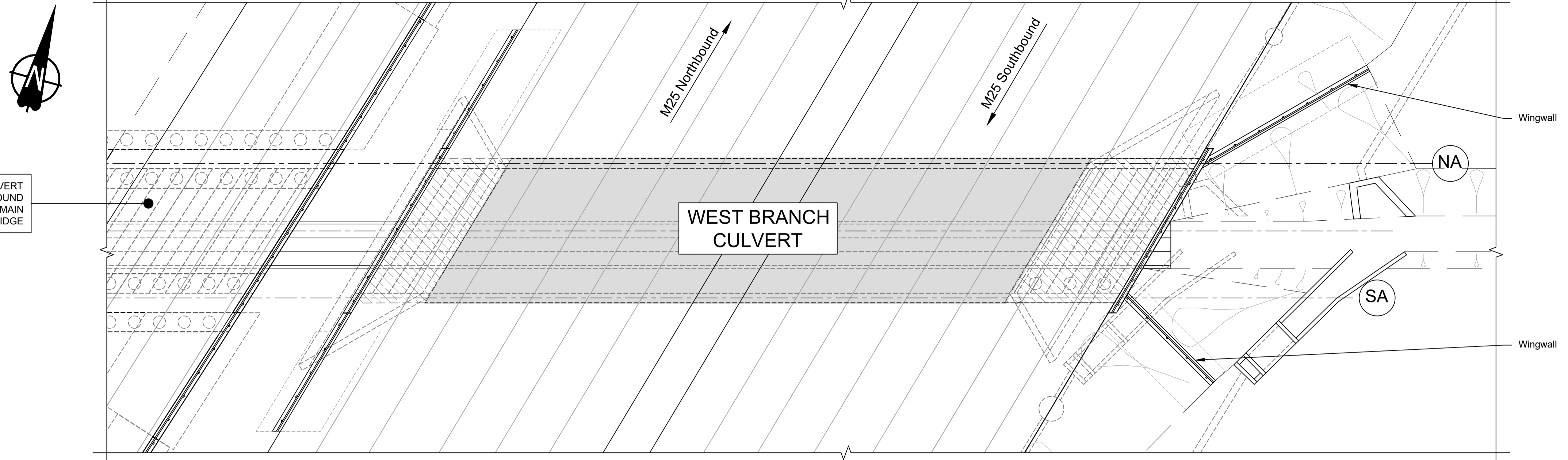


Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.13	A1	P01
Scale	AS SHOWN		
Drawing title	STRUCTURES PLANS 5(2)(o)		
	WORK NO. 9E		
	SHEET 68		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10101		

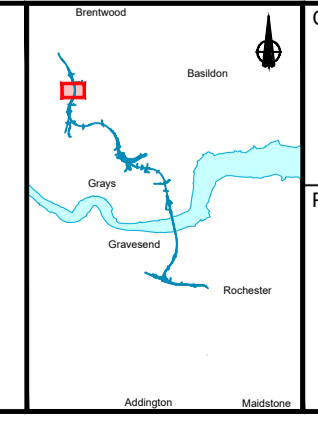
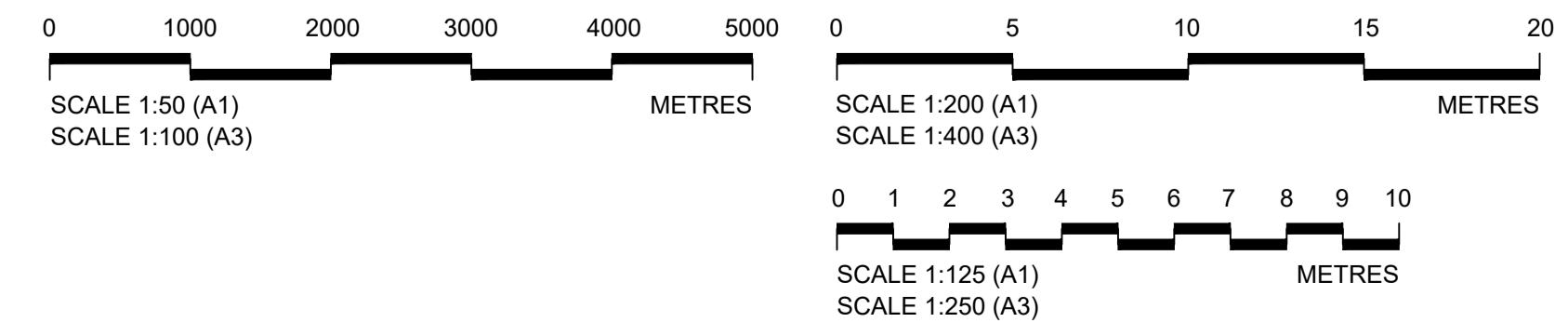
WEST BRANCH CULVERT
A122 LTC NORTHBOUND
LINK ROAD OVER MAIN
RIVER BRIDGE



LEGEND

	EMBANKMENT/CUTTING
	NORTH ABUTMENT
	SOUTH ABUTMENT
	EXISTING STRUCTURE TO BE RETAINED
	PROPOSED STRUCTURE

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 - For Environmental details refer to the Environmental Masterplan (TR010032/APP/6.2 Fig. 2.4) and Environmental Constraints Plan (TR010032/APP/6.2 Fig. 2.3) and associated drawings and documents.
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 - Full length of piles not shown.



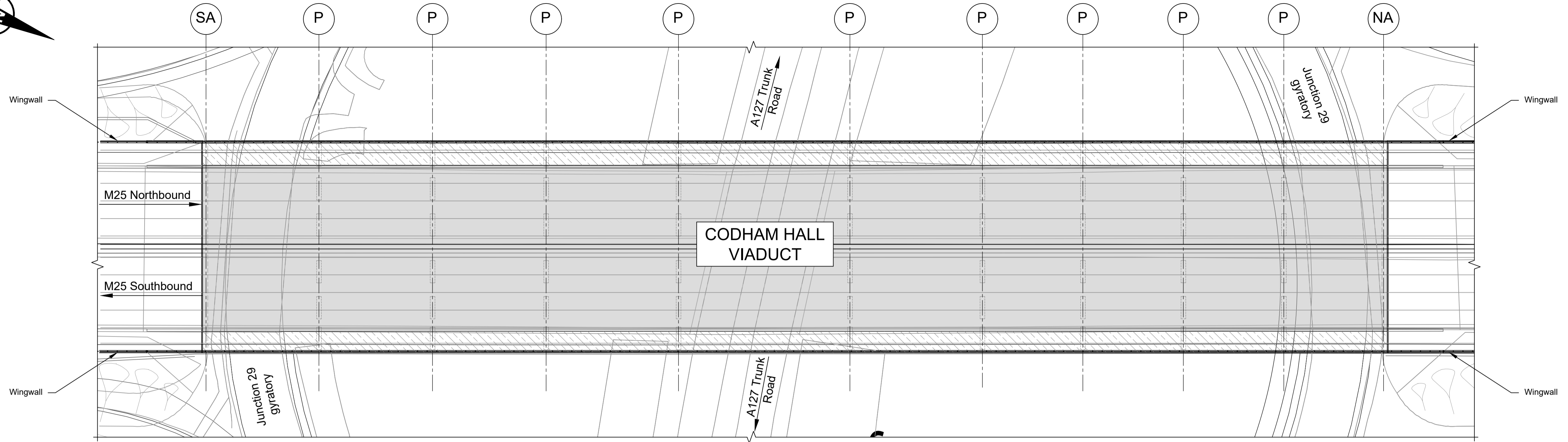
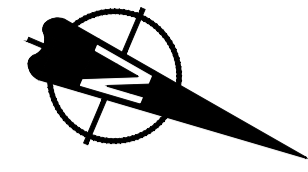
Client

Project

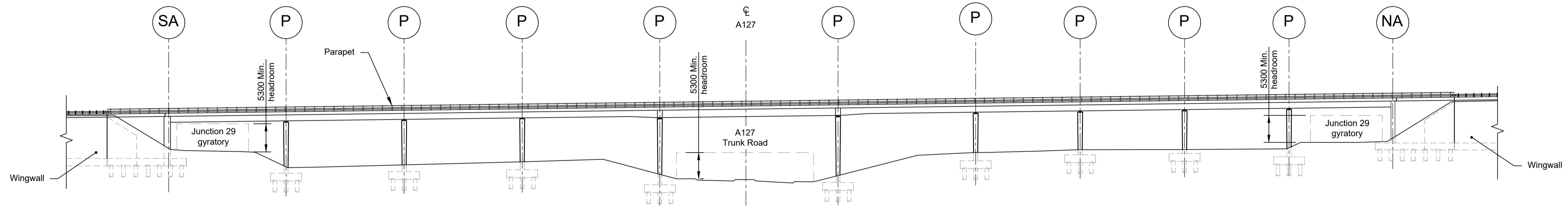
LOWER THAMES CROSSING

Status	DCO Application	Original Size	P01
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN
Drawing title	STRUCTURES PLANS 5(2)(o) WORK NO. 9E SHEET 69		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000 -DR-CB-10102		

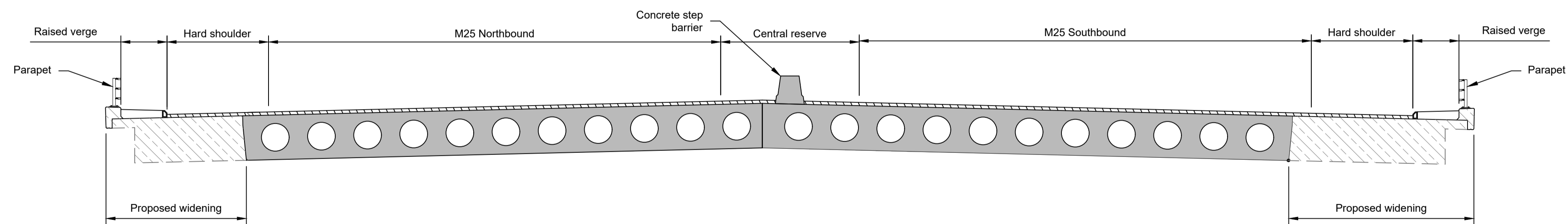
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB



PLAN 1:500



ELEVATION 1:500

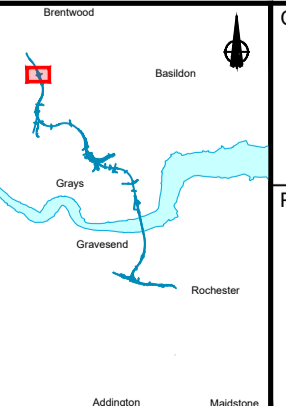
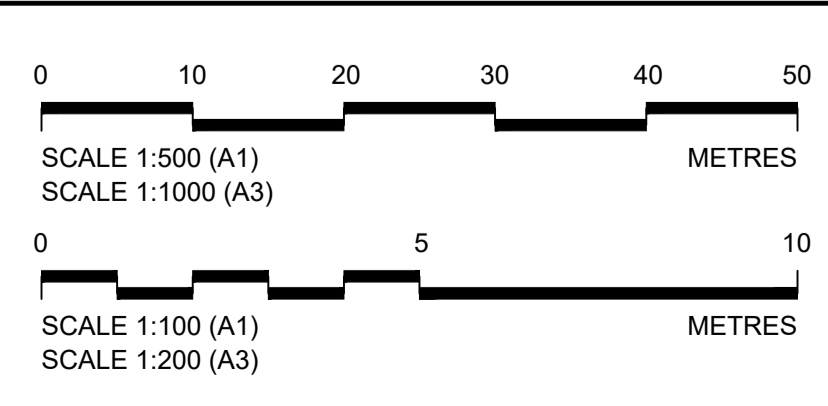


TYPICAL SECTION 1:100

LEGEND	
	EMBANKMENT/CUTTING
	NORTH ABUTMENT
	PIER
	SOUTH ABUTMENT
	EXISTING STRUCTURE TO BE RETAINED
	PROPOSED STRUCTURE

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P01	SB	19/10/2022	DCO Application	PG1	BB ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd Apprv'd

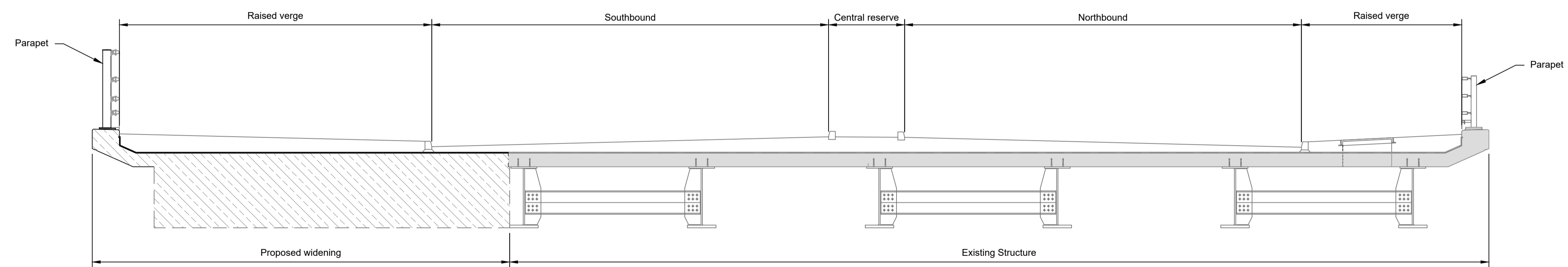
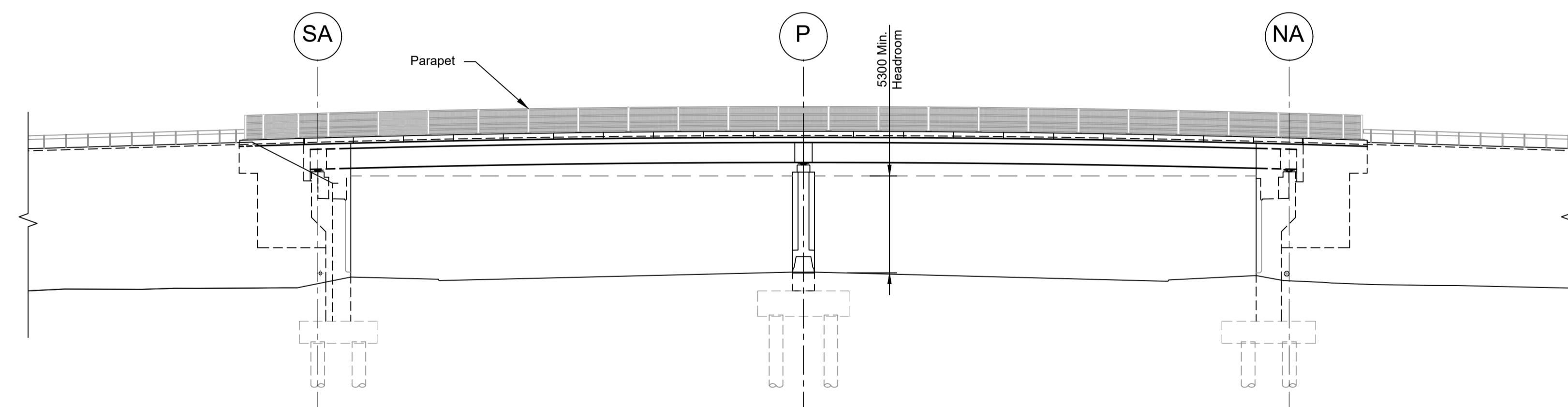
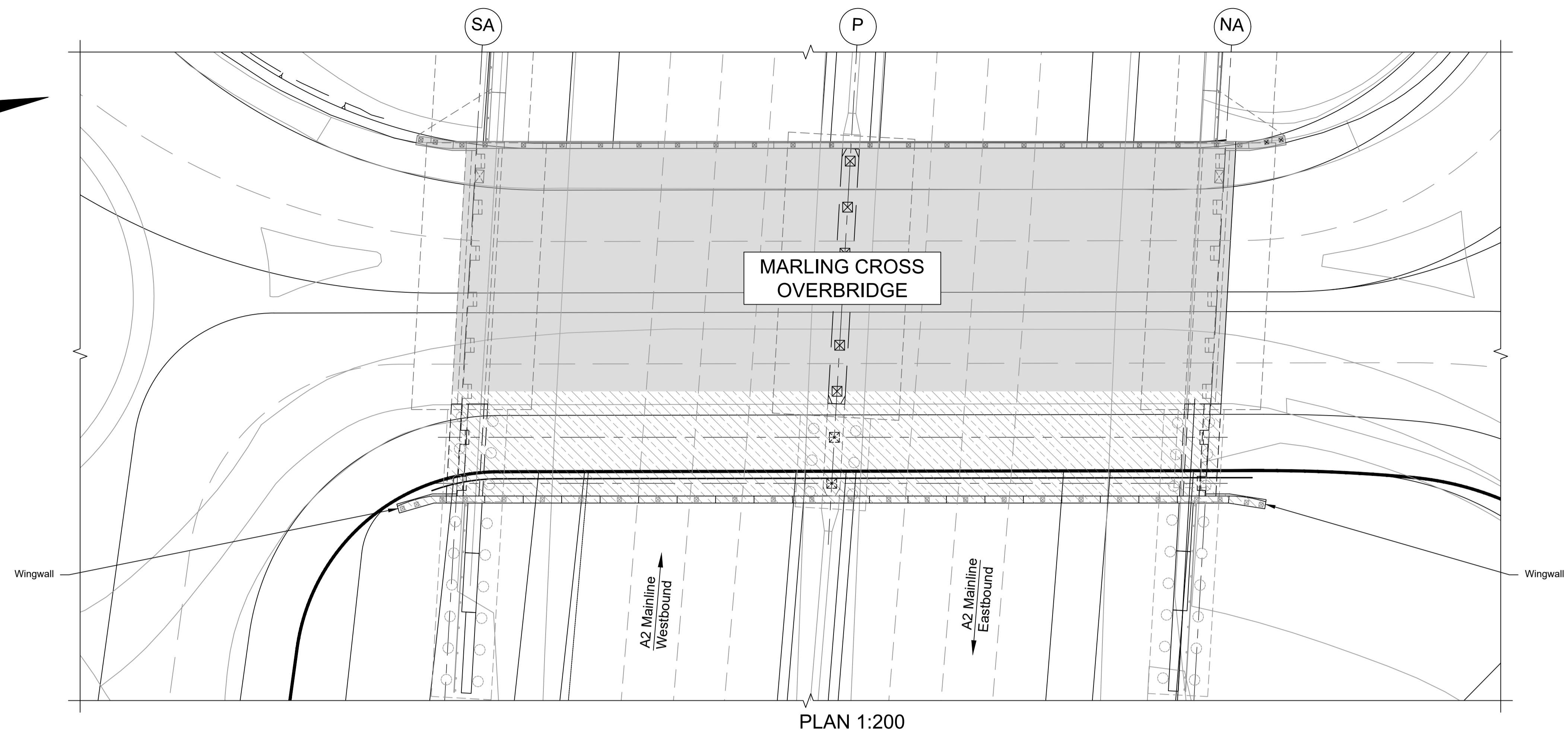
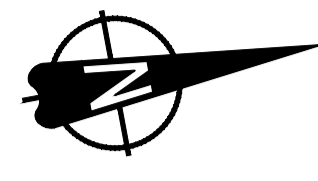
- NOTES:
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 - Full length of piles not shown.



Client: national highways

Project: LOWER THAMES CROSSING

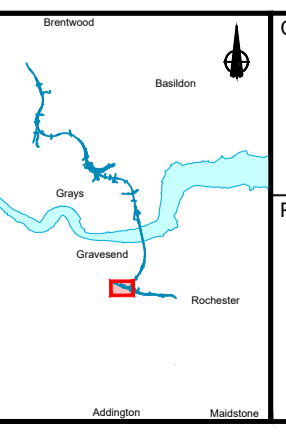
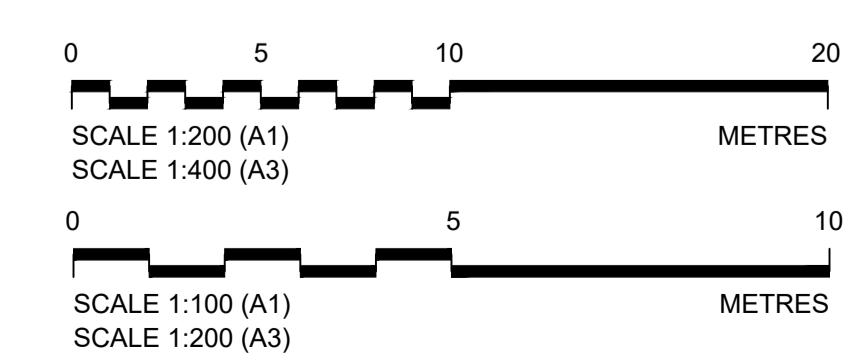
Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.13	A1	P01
Scale	AS SHOWN		
Drawing title	STRUCTURES PLANS 5(2)(o) WORK NO. 9E SHEET 70		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10103		



LEGEND	
	EMBANKMENT/CUTTING
	NORTH ABUTMENT
	PIER
	SOUTH ABUTMENT
	EXISTING STRUCTURE TO BE RETAINED
	PROPOSED STRUCTURE

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P01	SB	19/10/2022	DCO Application	PG1	BB ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd
				Apprv'd	

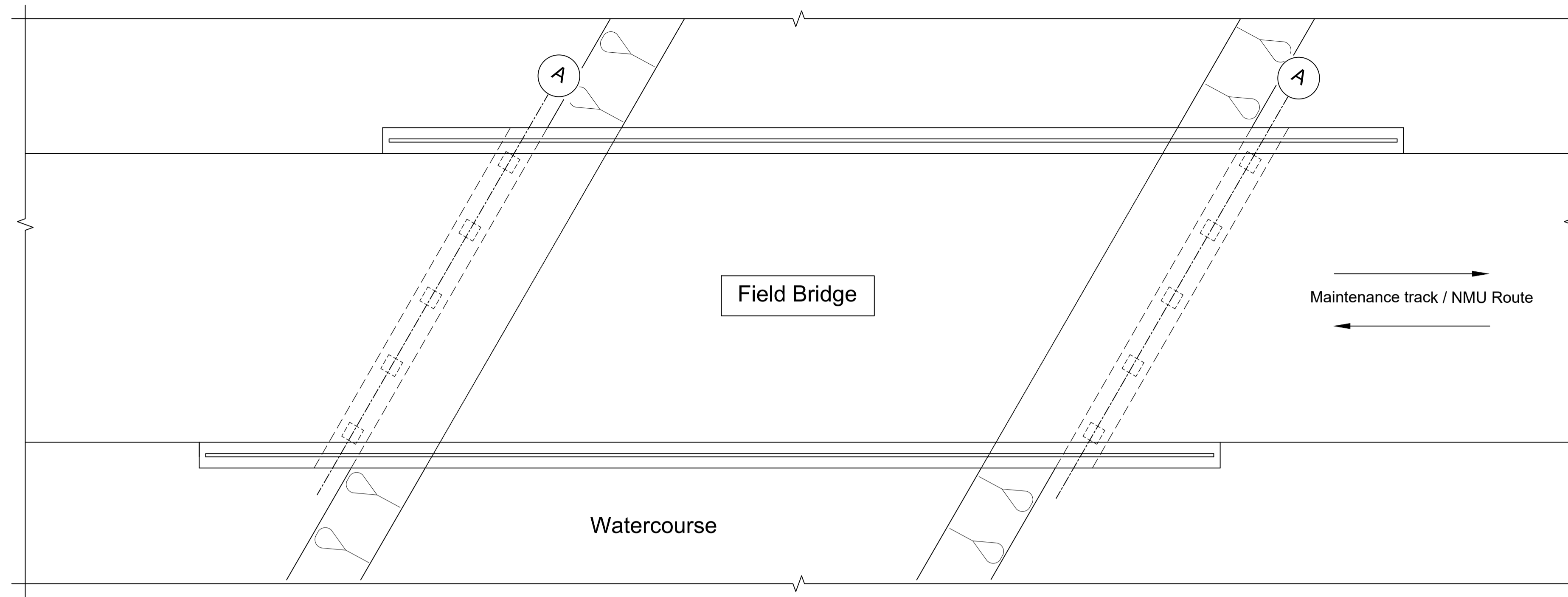
- NOTES:
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 - Full length of piles not shown.



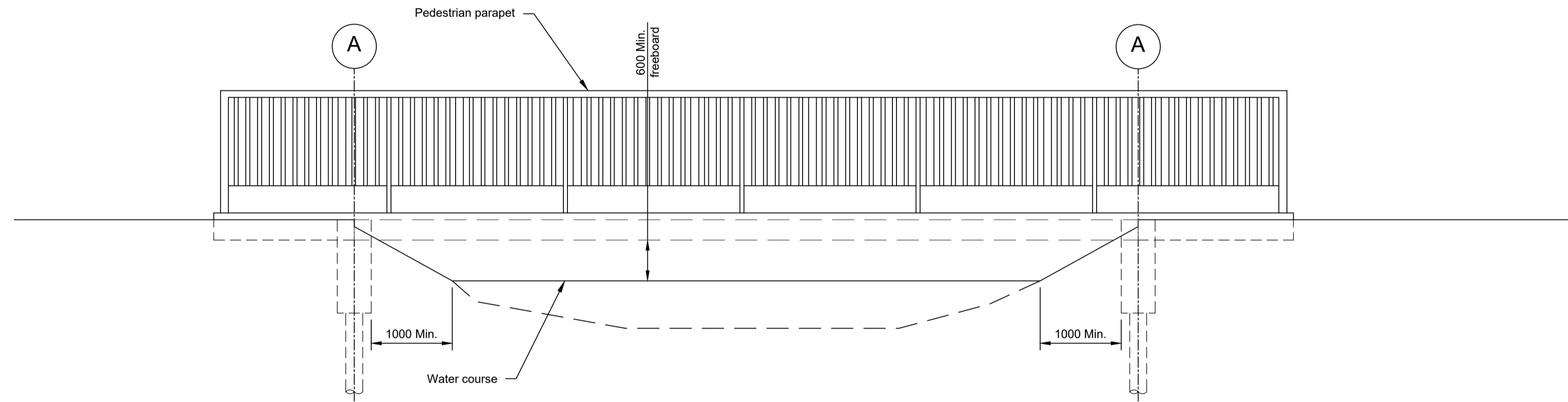
Client:

Project: **LOWER THAMES CROSSING**

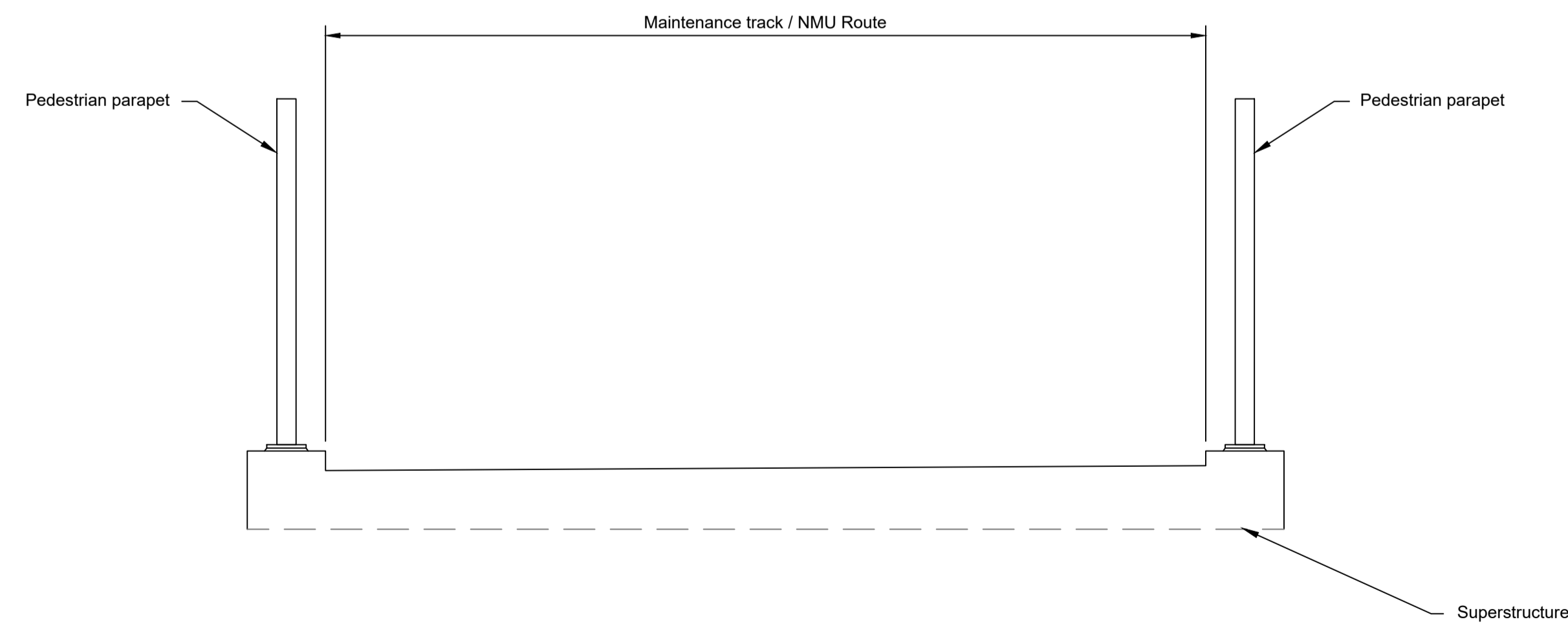
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Application Document Number	TR010032/APP/2.13	A1	P01
Scale	AS SHOWN		
Drawing title	STRUCTURES PLANS 5(2)(o)		
	WORK NO. 2F		
	SHEET 71		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10104		



PLAN 1:50



ELEVATION 1:50



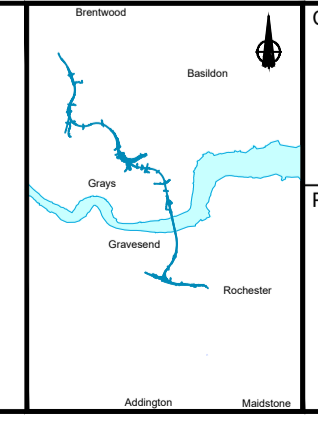
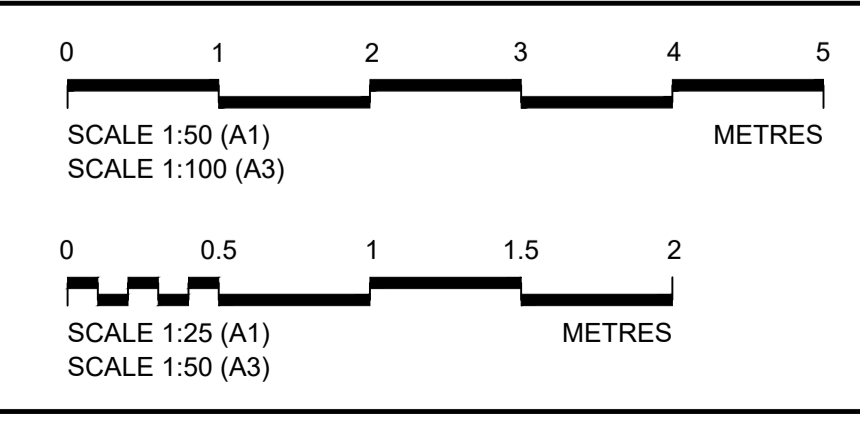
TYPICAL SECTION 1:25

LEGEND	
	EMBANKMENT/CUTTING
	ABUTMENT

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 - Full length of piles not shown.

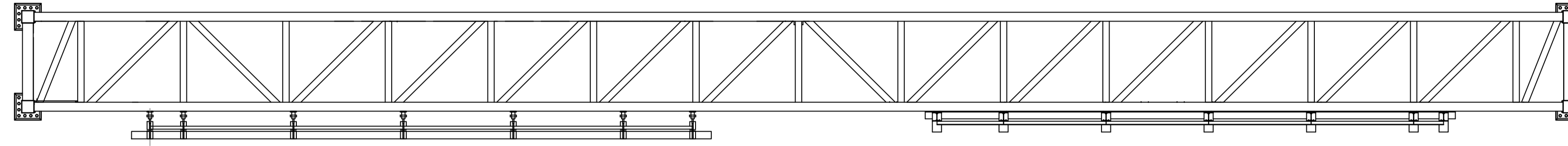
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	SB	19/10/2022	DCO Application	PG1	BB	ASB



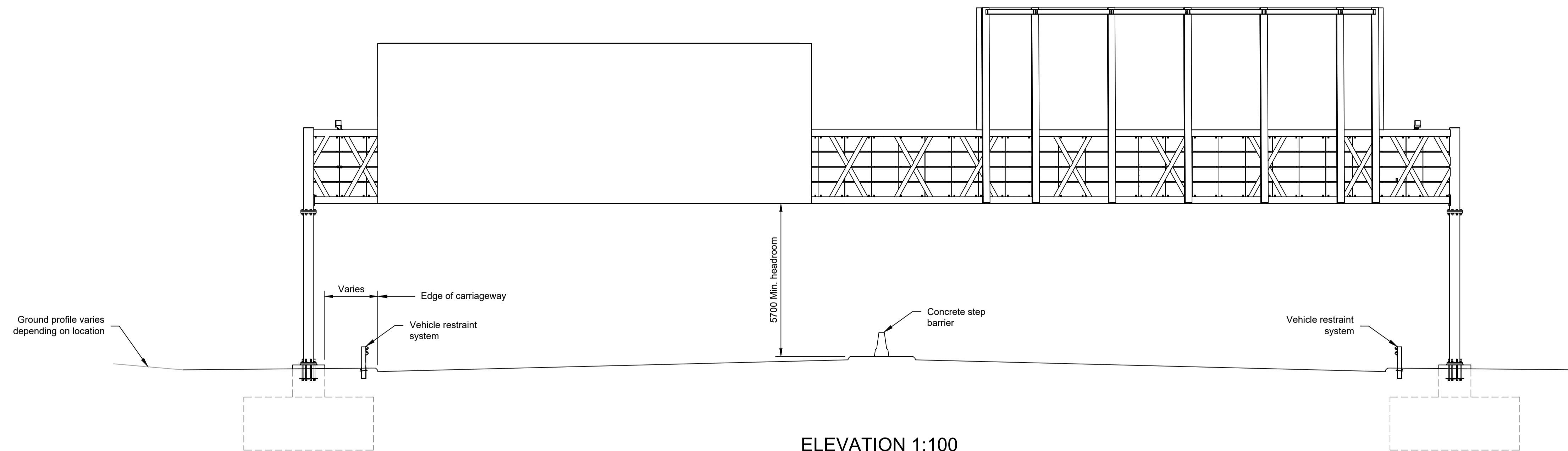
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.13	A1	P01
Scale	AS SHOWN		
Drawing title	STRUCTURES PLANS 5(2)(o) TYPICAL FIELD BRIDGE SHEET 72		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10150		



PLAN 1:100

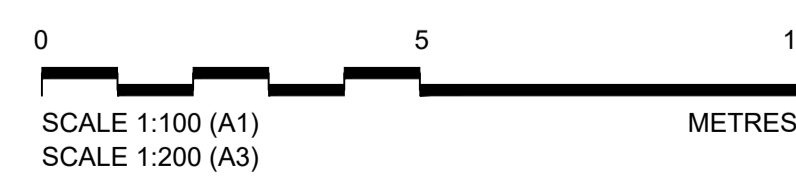


ELEVATION 1:100

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- Drawing represents a typical indicative detail for this gantry type. The information on this drawing should not be considered representative of the proposals at a particular gantry location.
- Equipment and signage shown on the gantry is indicative and is to be designed by the Contractor.
- The Highways design is shown in the Engineering Section and Drawings (TR010032/APP/2.9)



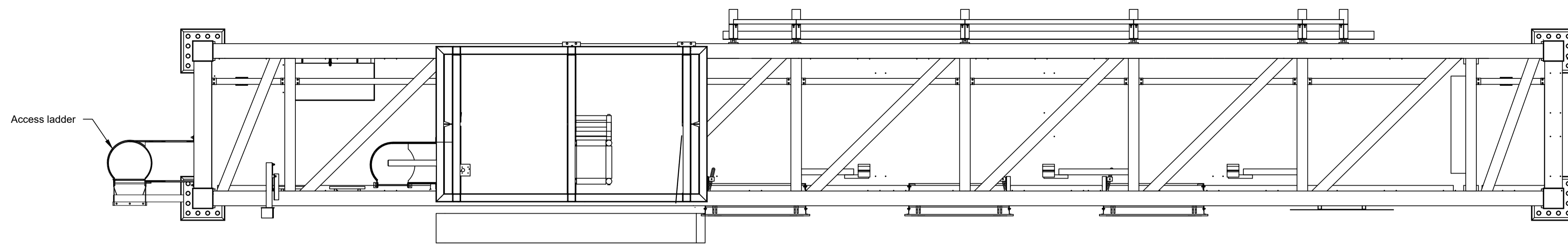
Client

Project

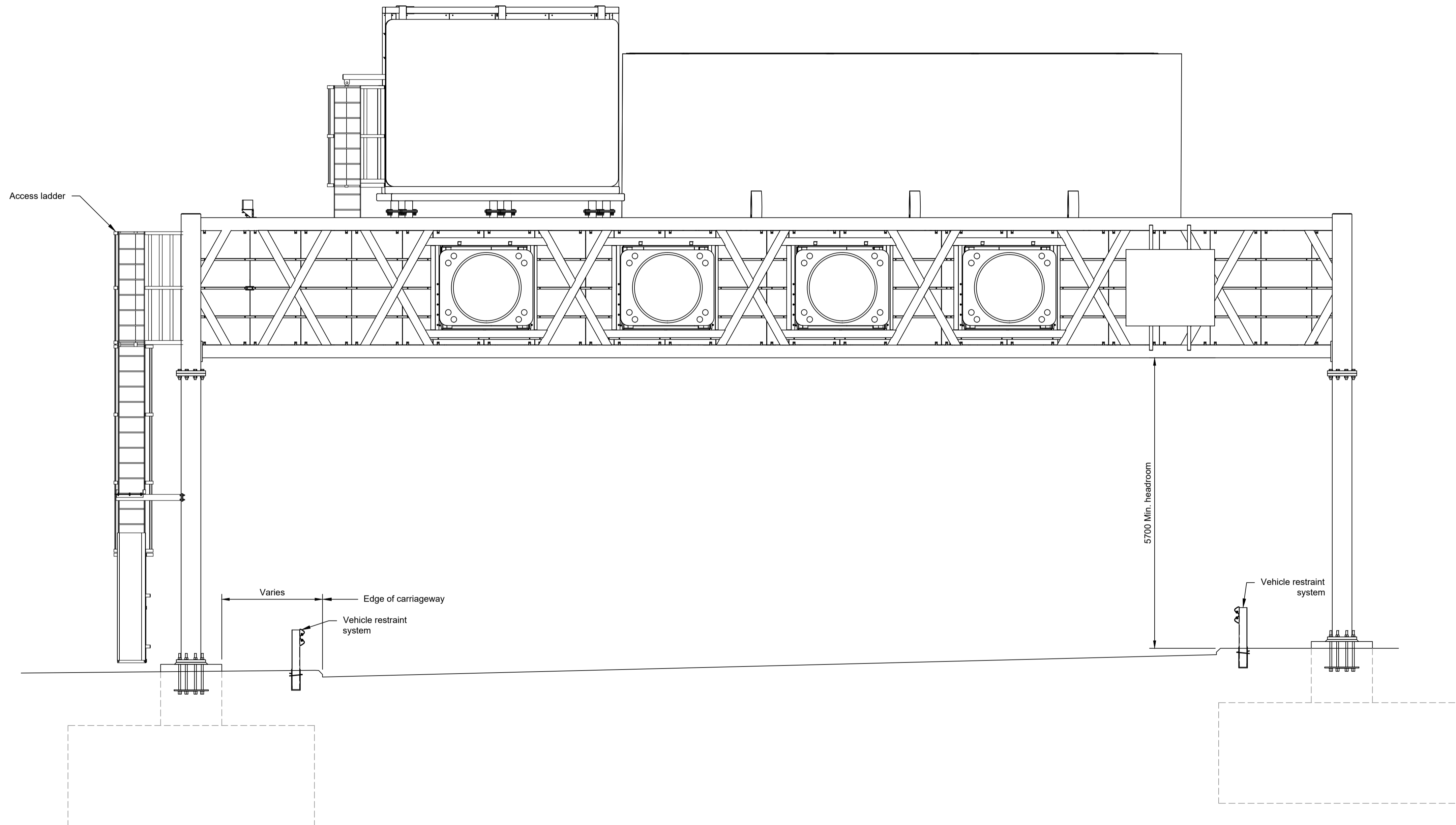
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A1	Revision	P01
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	STRUCTURES PLANS 5(2)(o) GANTRY (SUPER PORTAL TYPE) SHEET 73				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10151				

P01	SB	19/10/2022	DCO Application	PG1	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd



PLAN 1:50

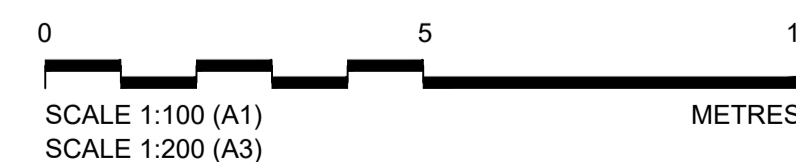


ELEVATION 1:50

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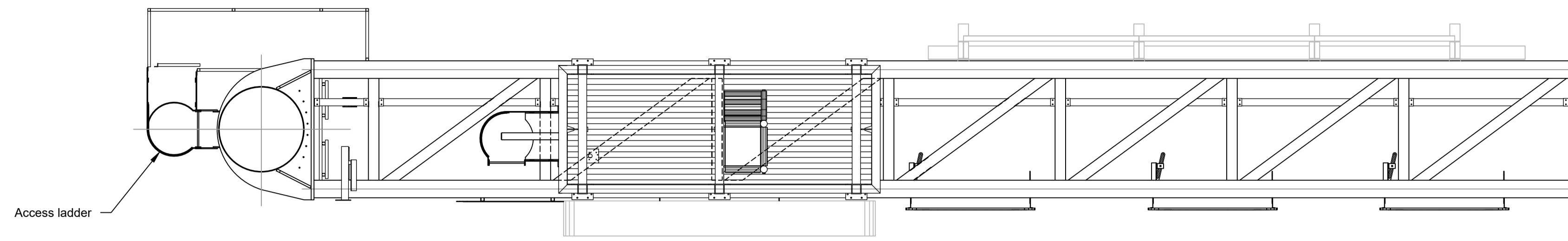
Client

Project

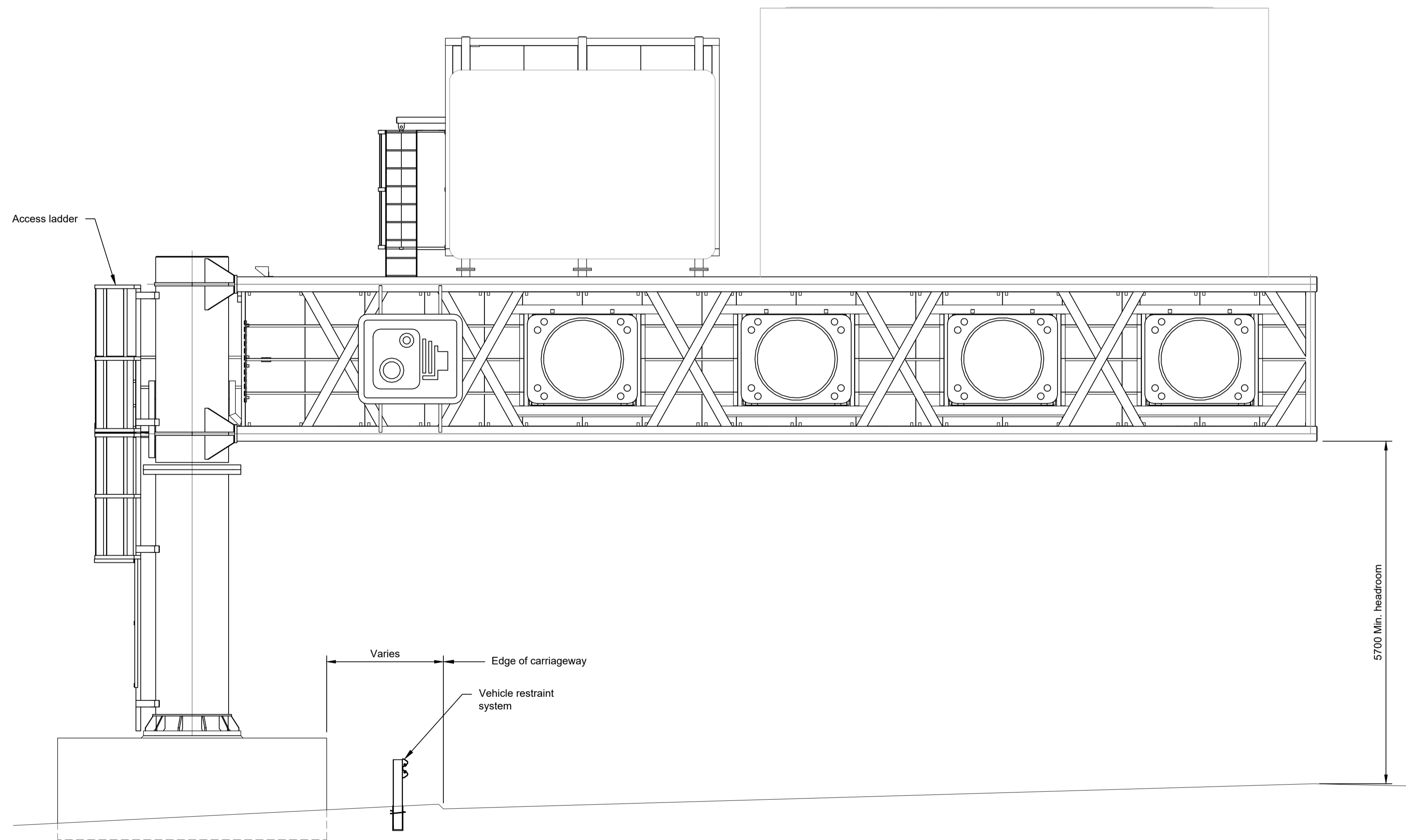
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A1	Revision	P01
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	STRUCTURES PLANS 5(2)(o) GANTRY (PORTAL TYPE) SHEET 74				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10152				

P01	SB	19/10/2022	DCO Application	PG1	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd



PLAN 1:50

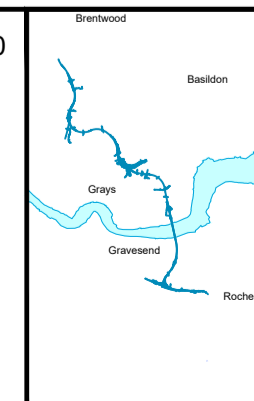
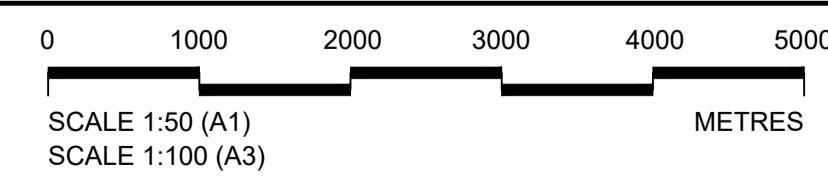


FRONT ELEVATION 1:50

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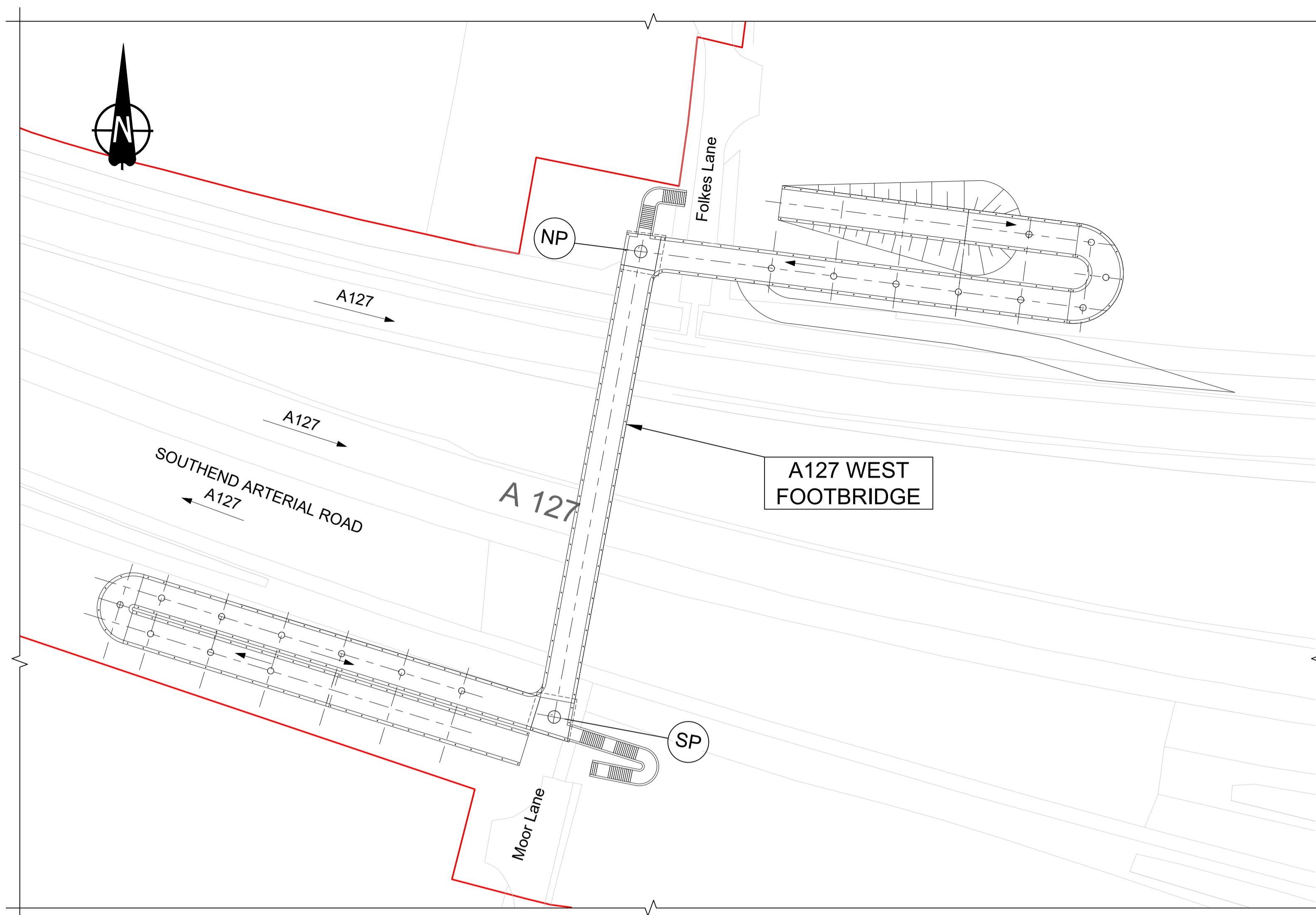
Client

Project

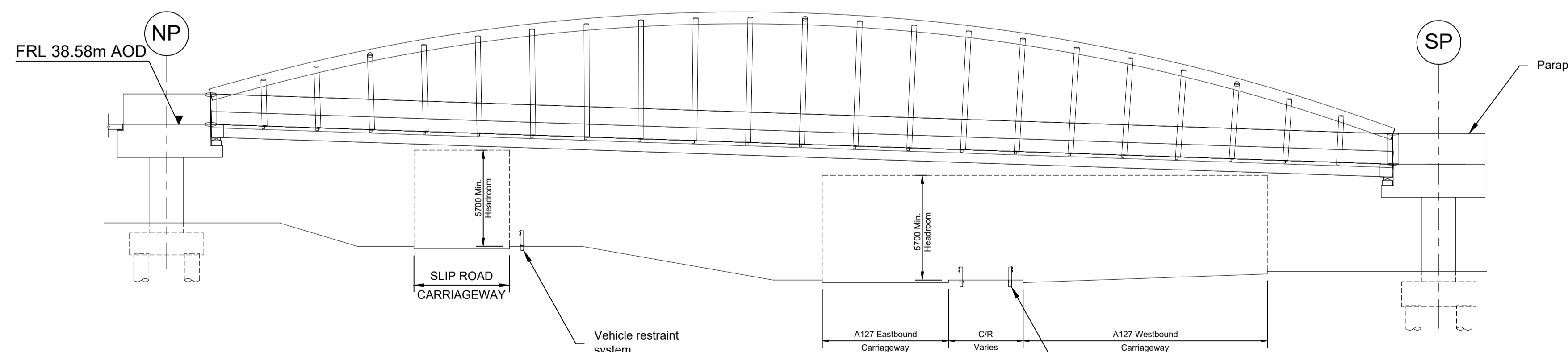
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A1	Revision	P01
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	STRUCTURES PLANS 5(2)(o) GANTRY (CANTILEVER TYPE) SHEET 75				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10153				

P01	SB	19/10/2022	DCO Application	PG1	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd



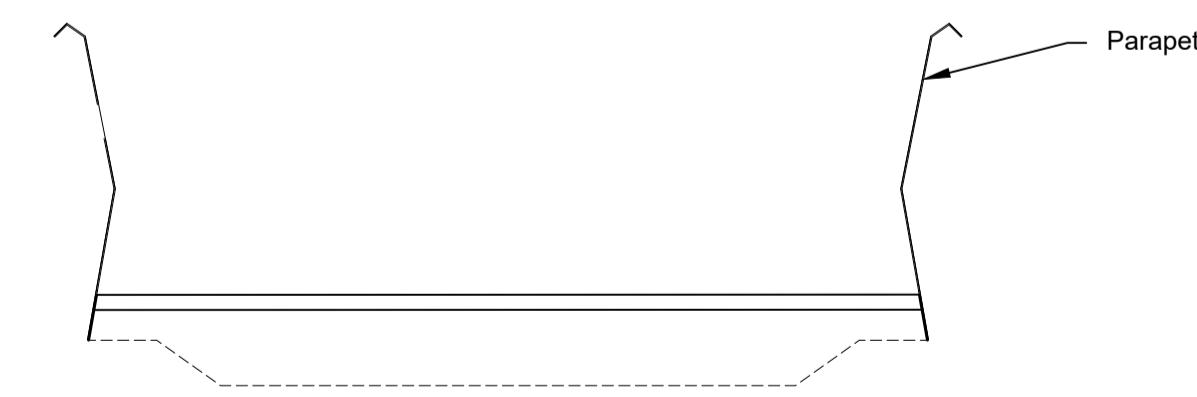
PLAN 1:500



ELEVATION 1:200



TYPICAL FOOTBRIDGE SECTION
1:50

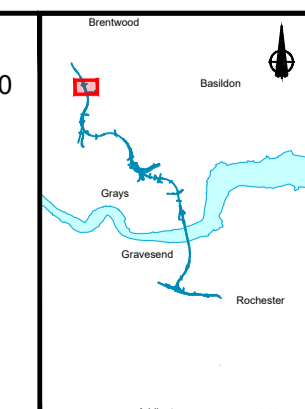
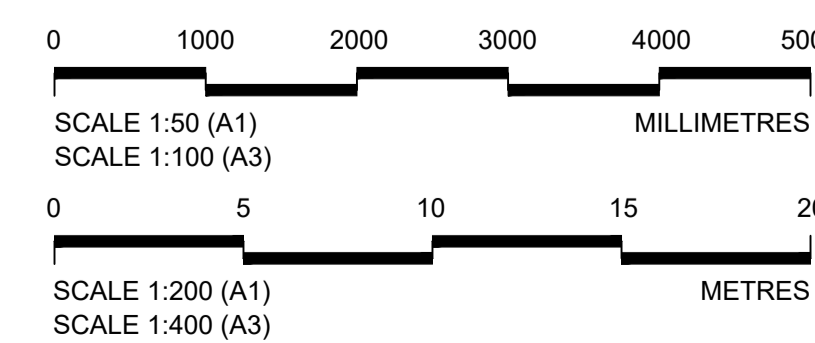
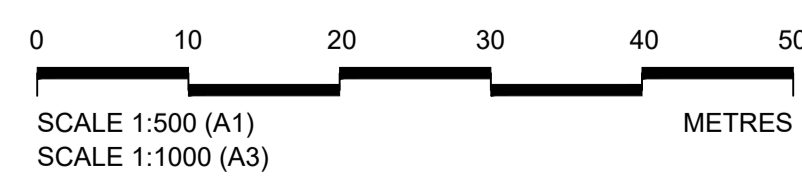


TYPICAL RAMP SECTION
1:50

LEGEND	
	EMBANKMENT/CUTTING
	NORTH PIER
	SOUTH PIER
FRL	FINISHED ROAD LEVEL
C/R	CENTRAL RESERVE

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P01	SB	19/10/2022	DCO Application	PG1	BB ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd Apprv'd

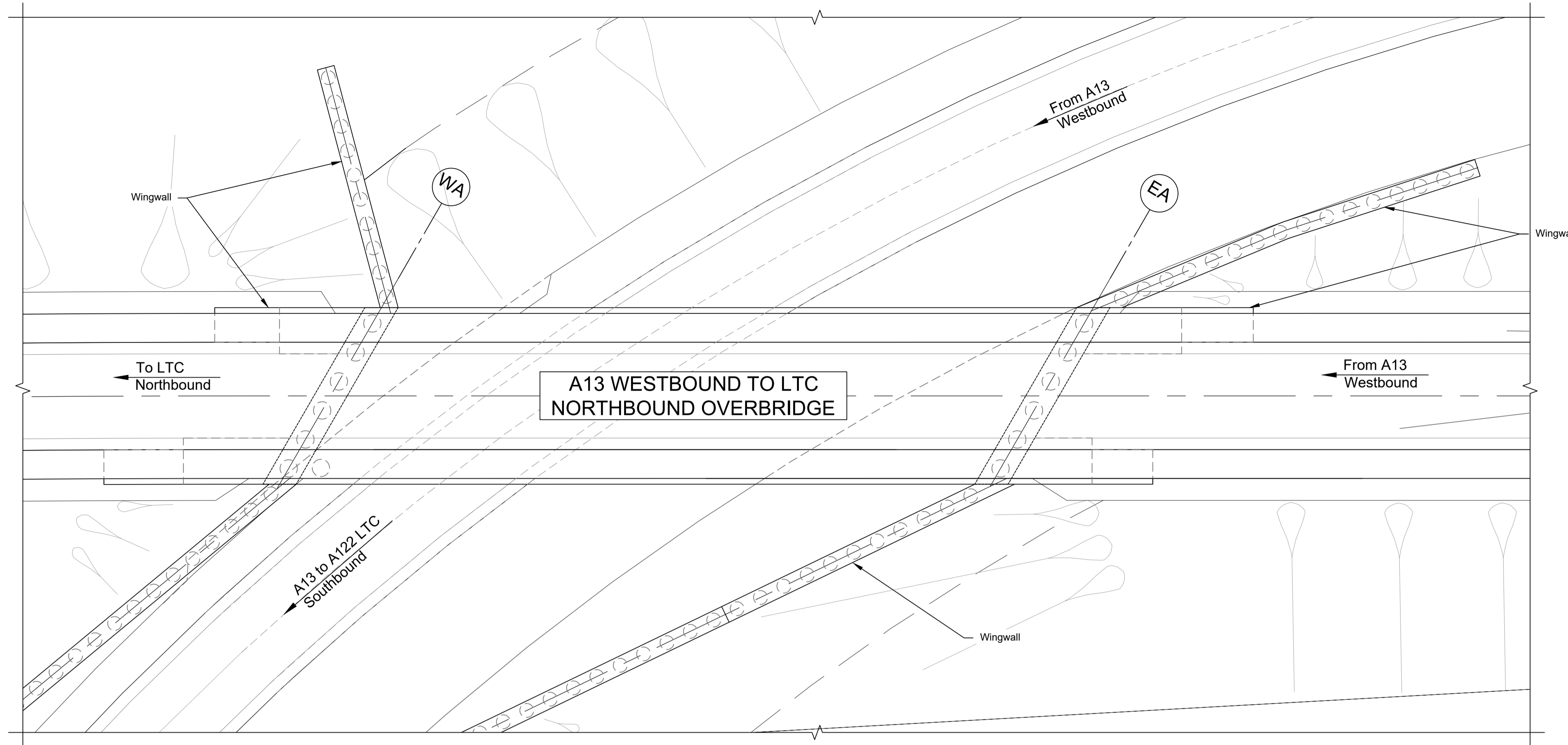
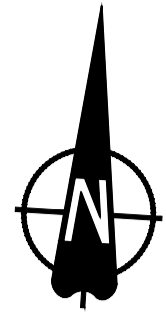
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 - Full length of piles not shown.



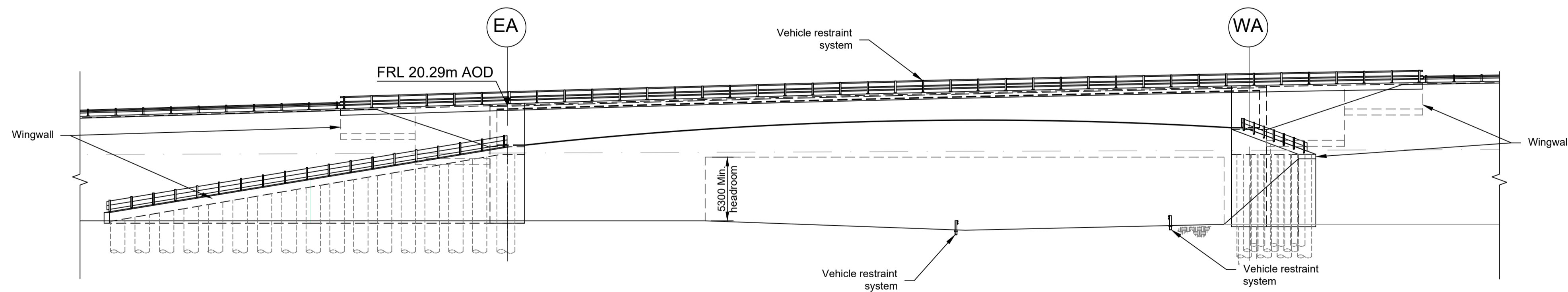
Client: **national highways**

Project: **LOWER THAMES CROSSING**

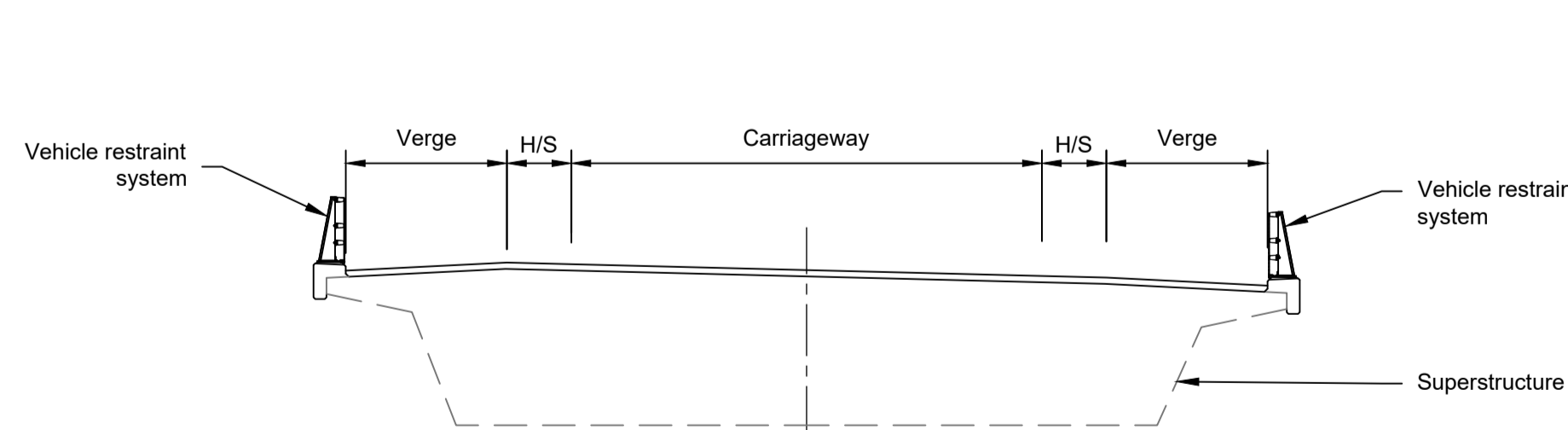
Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.13	A1	P01
Scale			
Drawing title	STRUCTURES PLANS 5(2)(o)		
	WORK NO. 9Y		
	SHEET 76		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10155		



PLAN 1:250



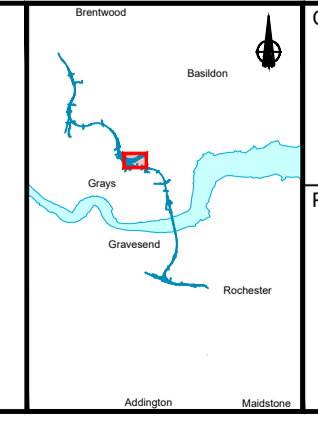
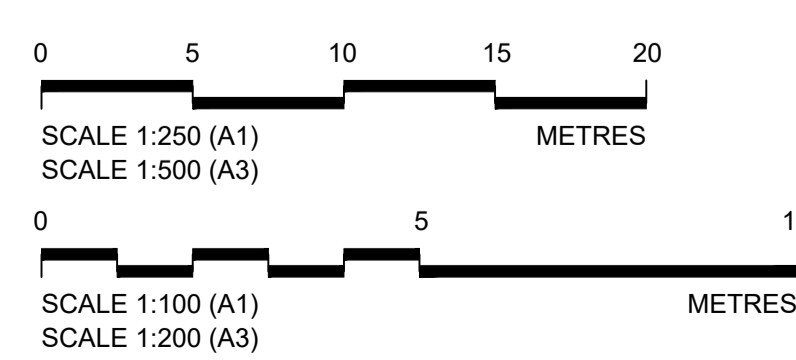
ELEVATION (LOOKING SOUTH) 1:250



TYPICAL SECTION 1:100

LEGEND	
	EMBANKMENT/CUTTING
	WEST ABUTMENT
	EAST ABUTMENT
H/S	HARDSTRIP
FRL	FINISHED ROAD LEVEL

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 - Works numbers are described in Schedule 1 (Authorised Development) of the Development Consent Order (TR010032/APP/3.1).
 - The Highways design is shown in the Engineering Section and Drawings (TR010032/APP/2.9).
 - Full length of piles not shown.

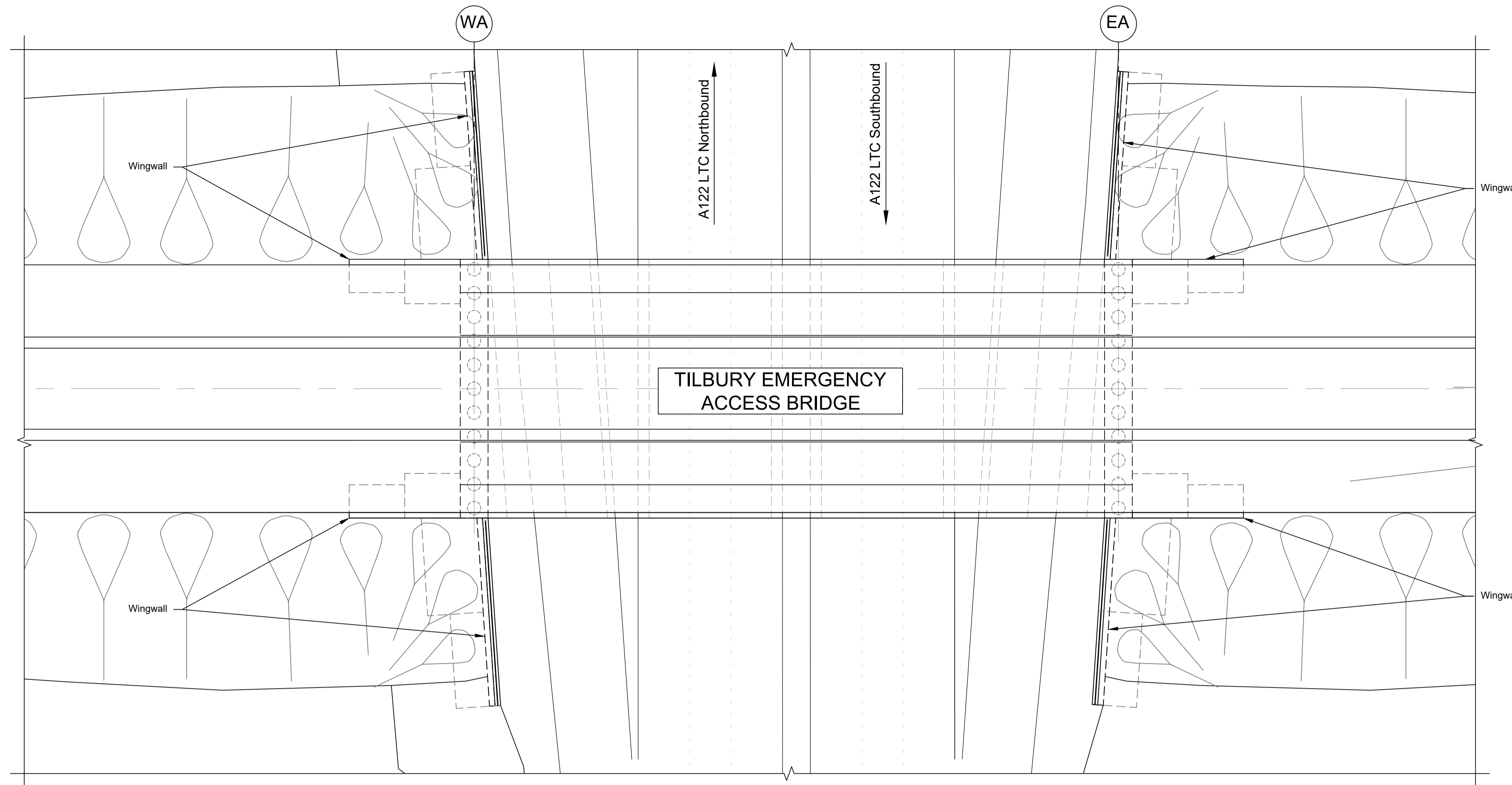


Client: **national highways**

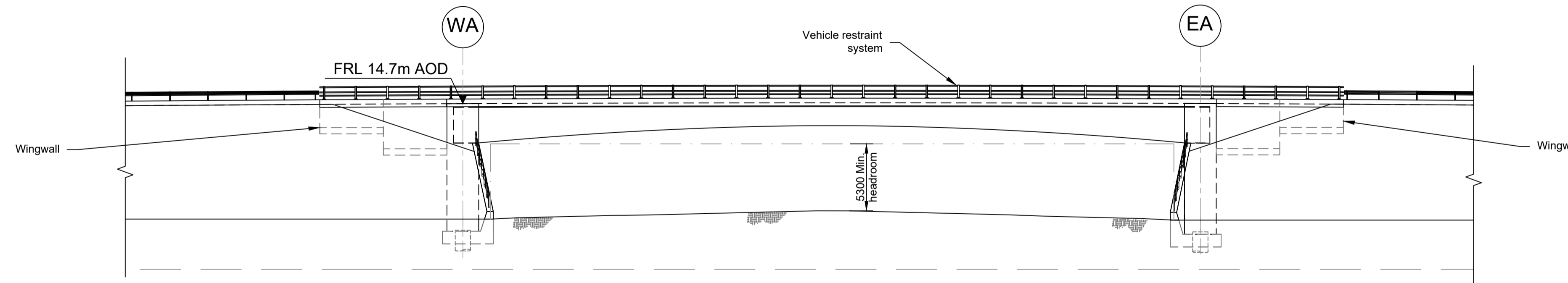
Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.13	A1	P01
Scale	AS SHOWN		
Drawing title	STRUCTURES PLANS 5(2)(o)		
	WORK NO. 7E		
	SHEET 77		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000 -DR-CB-10156		

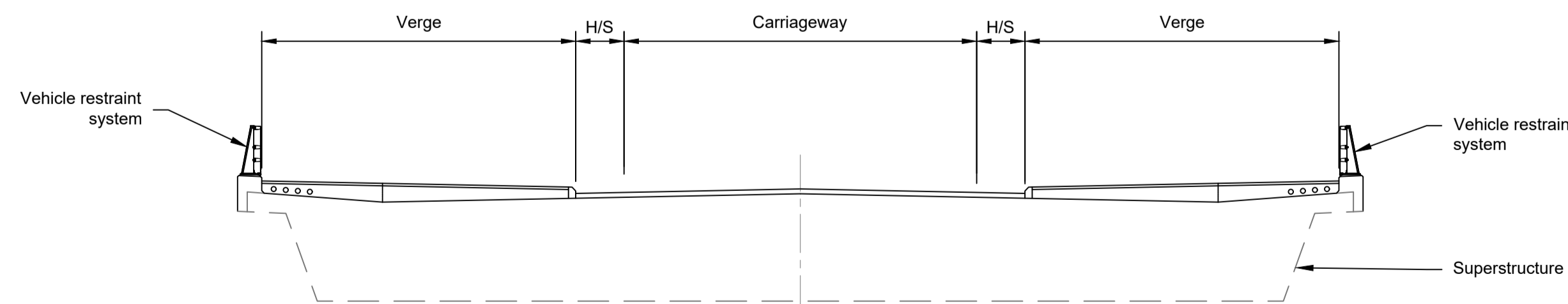
P01	SB	19/10/2022	DCO Application	PG1	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd



PLAN 1:250



ELEVATION 1:250



TYPICAL SECTION 1:100

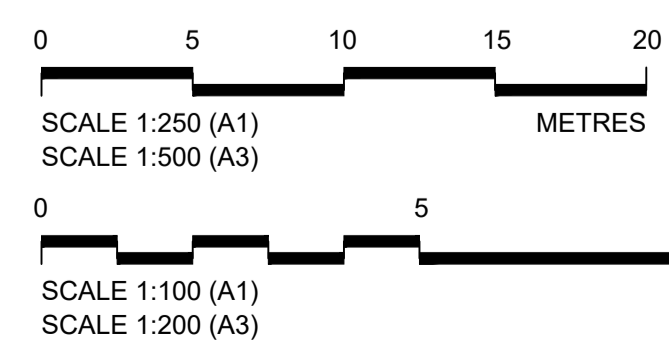
LEGEND	
	EMBANKMENT/CUTTING
	WEST ABUTMENT
	EAST ABUTMENT
H/S	HARDSTRIP
FRL	FINISHED ROAD LEVEL

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NOTES:

- The design and location of the structure is shown here for illustrative purposes only and will be subject to detailed design development in accordance with the provisions of the Development Consent Order (TR010032/APP/2.1).
- For Environmental details refer to the Environmental Masterplan (TR010032/APP/6.2 Fig. 2.4) and Environmental Constraints Plan (TR010032/APP/6.2 Fig. 2.3) and associated drawings and documents.
- Drawings show engineering earthworks only. Landscaping earthworks are shown in General Arrangements Plans (TR010032/APP/2.5).
- All dimensions are in millimetres unless noted otherwise.
- All levels are in metres and relate to Ordnance datum unless stated otherwise.
- Works numbers are described in Schedule 1 (Authorised Development) of the Development Consent Order (TR010032/APP/2.1).
- The Highways design is shown in the Engineering Section and Drawings (TR010032/APP/2.9).
- Full length of piles not shown.

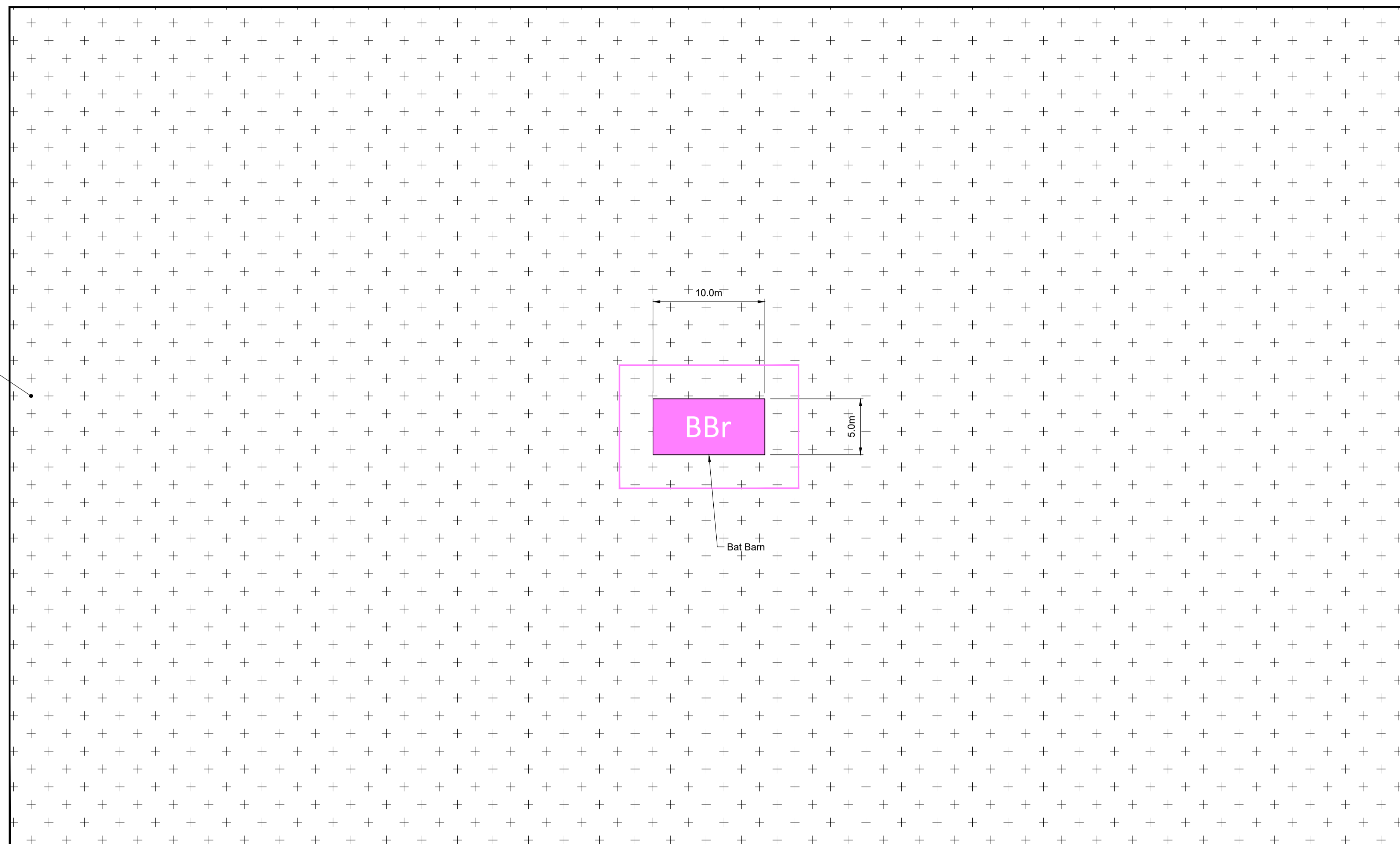
P01	SB	19/10/2022	DCO Application	PG1	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd



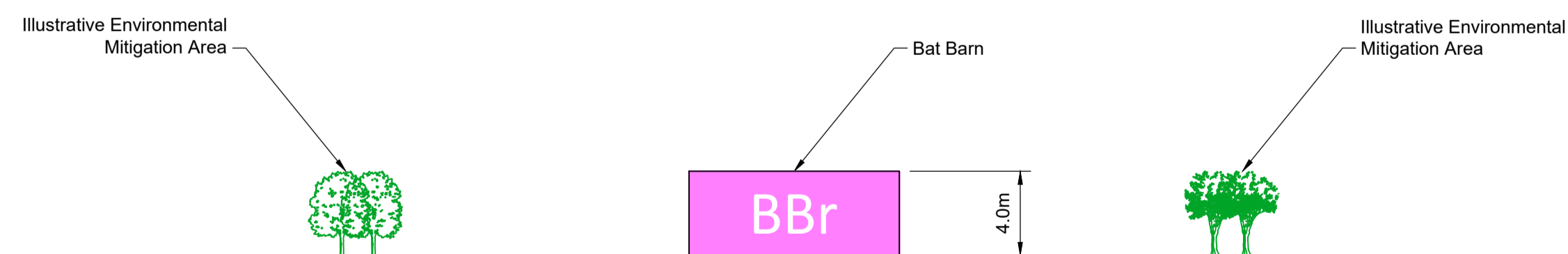
LOWER THAMES CROSSING

Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.13	A1	P01
Scale	AS SHOWN		
Drawing title	STRUCTURES PLANS 5(2)(o) WORK NO. 5E SHEET 78		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10157		

Illustrative Environmental Mitigation Area



TYPICAL PLAN

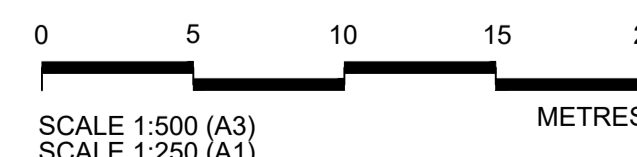


TYPICAL ELEVATION

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NOTES:

1. The design of the structure is shown here for illustrative purposes only and will be subject to detailed design in accordance with the provisions of the Development Consent Order (application document reference TR010032/APP/3.1).
2. Works numbers and location of bat barns are shown in the Works Plans (application document reference TR0110032/APP/2.6) and described in Schedule 1 of the Development Consent Order (application document reference TR010032/APP/3.1).
3. All levels are in metres and relate to Ordnance datum unless stated otherwise.



P01	S8	19/10/2022	DCO Application	GH1	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

Client



Project

LOWER THAMES CROSSING

Status	DCO Application	Original Size	A1	Revision	P01
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	STRUCTURES PLANS 5(2)(o) TYPICAL BAT BARN SHEET 79				
Drawing Number	HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10721				

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