

# Lower Thames Crossing

## 2.13 Structures Plans Volume B (Sheets 12 to 79) (Clean version)

APFP Regulation 5(2)(o)

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

Volume 2

**DATE: December 2023**  
**DEADLINE: 9**

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

**VERSION: 3.0**

### Revision history

<b>Version</b>	<b>Date</b>	<b>Submitted at</b>
1.0	31 October 2022	DCO Application
2.0	18 July 2023	Deadline 1
3.0	11 December 2023	Deadline 9

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# Lower Thames Crossing

## 2.13 Structures Plans

### Volume B (Sheets 12 to 79)

#### (Clean version)

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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.
- 1.1.13 These plans have been updated at Deadline 1 to address minor drafting inaccuracies and ensure consistency of the Application documents.
- 1.1.14 These plans have been updated for Deadline 9 to include all agreed proposed changes and amendments throughout Examination.

## 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	P05
STRUCTURES PLANS 5(2)(o) STRUCTURES LOCATION KEY PLAN SHEET 1	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(o) STRUCTURES LOCATION KEY PLAN SHEET 2	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(o) STRUCTURES LOCATION KEY PLAN SHEET 3	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(o) STRUCTURES LOCATION KEY PLAN SHEET 4	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(o) STRUCTURES LOCATION KEY PLAN SHEET 5	TR010032/APP/2.13	P05
STRUCTURES PLANS 5(2)(o) STRUCTURES LOCATION KEY PLAN SHEET 6	TR010032/APP/2.13	P03
STRUCTURES PLANS 5(2)(o) STRUCTURES LOCATION KEY PLAN SHEET 7	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(o) STRUCTURES LOCATION KEY PLAN SHEET 8	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(o) STRUCTURES LOCATION KEY PLAN SHEET 9	TR010032/APP/2.13	P02

Document Title	Document Number	Revision
STRUCTURES PLANS 5(2)(o) STRUCTURES LOCATION KEY PLAN SHEET 10	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(o) STRUCTURES LOCATION KEY PLAN SHEET 11	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(o) SOUTH TUNNEL PORTAL SHEET 12	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(o) SOUTH TUNNEL PORTAL SHEET 13	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(o) SOUTH TUNNEL PORTAL SHEET 14	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(o) NORTH TUNNEL PORTAL SHEET 15	TR010032/APP/2.13	P02
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STRUCTURES PLANS 5(2)(o) GROUND PROTECTION TUNNEL SHEET 19	TR010032/APP/2.13	P02
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STRUCTURES PLANS 5(2)(o) WORK NO. 1H SHEET 21	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(o) WORK NO. 2B SHEET 22	TR010032/APP/2.13	P02

Document Title	Document Number	Revision
STRUCTURES PLANS 5(2)(o) WORK NO. 2A SHEET 23	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(o) WORK NO. 2D SHEET 24	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(o) WORK NO. 2B SHEET 25	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(o) WORK NO. 3B SHEET 26	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(o) WORK NO. 2I SHEET 27	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(o) WORK NO. 2G SHEET 28	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(o) WORK NO. 2E SHEET 29	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(o) WORK NO. 5C SHEET 30	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(o) WORK NO. 6B SHEET 31	TR010032/APP/2.13	P02
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STRUCTURES PLANS 5(2)(o) WORK NO. 7B SHEET 34	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(o) WORK NO. 7D SHEET 35	TR010032/APP/2.13	P02

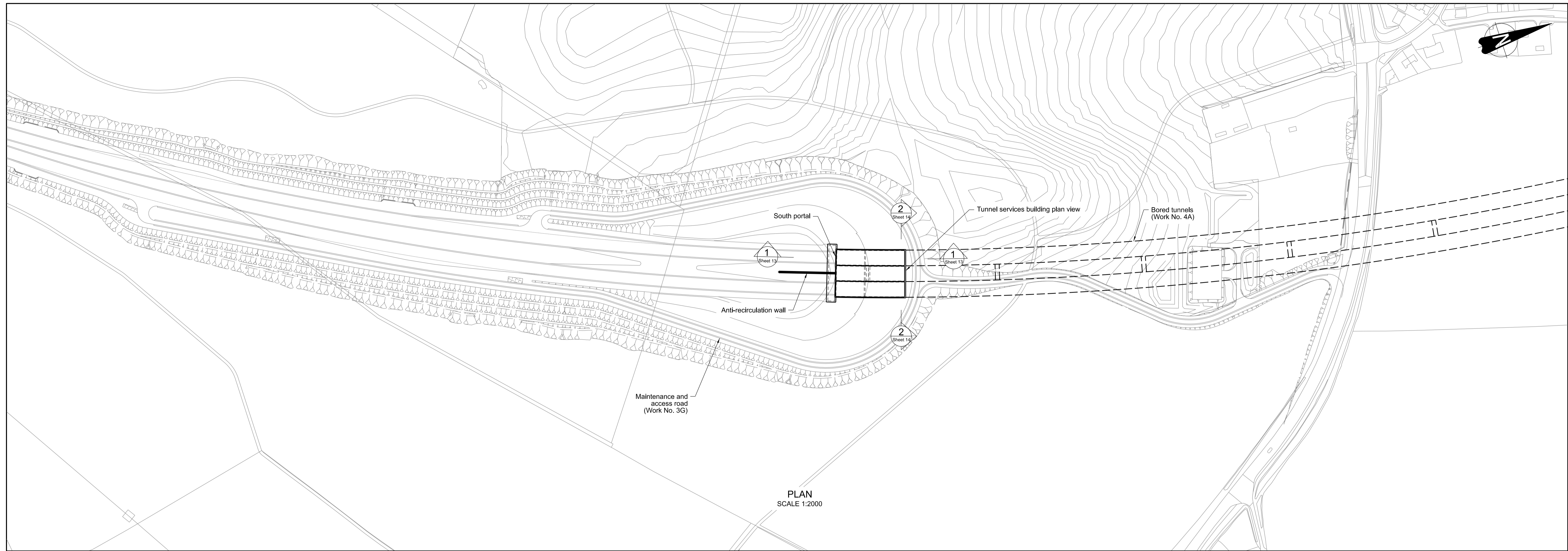
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STRUCTURES PLANS 5(2)(o) WORK NO. 7D SHEET 36	TR010032/APP/2.13	P03
STRUCTURES PLANS 5(2)(O) WORK NO. 7D SHEET 37	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(o) WORK NO. 7E SHEET 38	TR010032/APP/2.13	P02
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STRUCTURES PLANS 5(2)(o) WORK NO. 7G SHEET 47	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(o) WORK NO. 7N SHEET 48	TR010032/APP/2.13	P02

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STRUCTURES PLANS 5(2)(o) WORK NO. 7K SHEET 49	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(o) WORK NO. 7L SHEET 50	TR010032/APP/2.13	P02
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STRUCTURES PLANS 5(2)(o) WORK NO. 8B SHEET 53	TR010032/APP/2.13	P02
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STRUCTURES PLANS 5(2)(o) WORK NO. 8C SHEET 55	TR010032/APP/2.13	P02
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STRUCTURES PLANS 5(2)(o) WORK NO. 9M SHEET 57	TR010032/APP/2.13	P02
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STRUCTURES PLANS 5(2)(o) WORK NO. 9A SHEET 61	TR010032/APP/2.13	P02

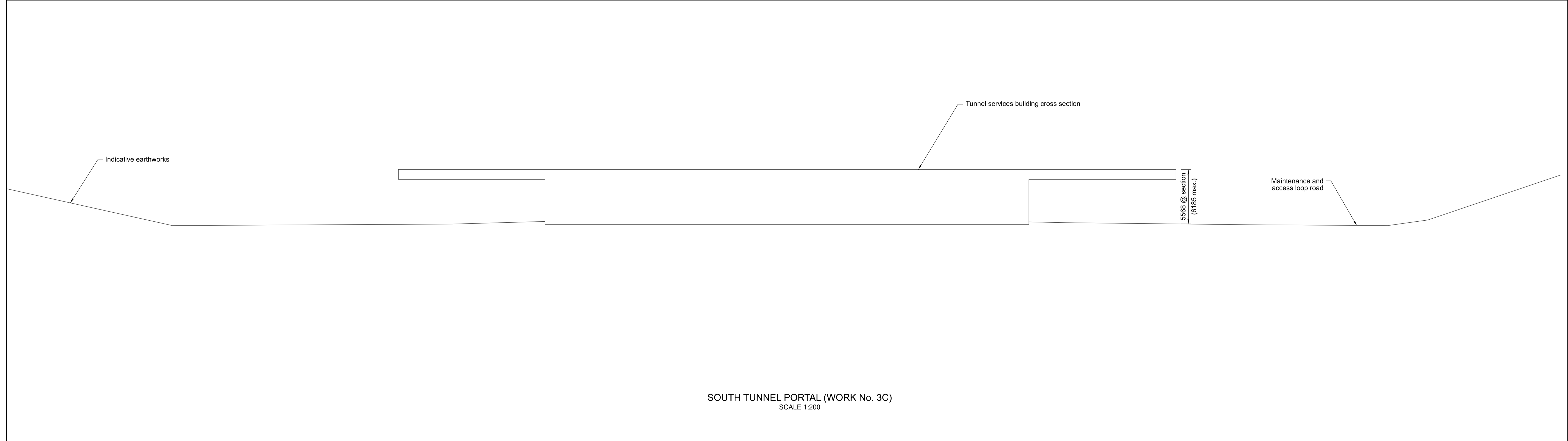
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STRUCTURES PLANS 5(2)(o) WORK NO. 9D SHEET 63	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(o) WORK NO. 9D SHEET 64	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(o) WORK NO. 9O SHEET 65	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(o) WORK NO. 9Z SHEET 66	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(o) WORK NO. 9E SHEET 67	TR010032/APP/2.13	P02
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STRUCTURES PLANS 5(2)(o) TYPICAL FIELD BRIDGE SHEET 72	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(o) GANTRY (SUPER PORTAL TYPE) SHEET 73	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(o) GANTRY (PORTAL TYPE) SHEET 74	TR010032/APP/2.13	P02

<b>Document Title</b>	<b>Document Number</b>	<b>Revision</b>
STRUCTURES PLANS 5(2)(o) GANTRY (CANTILEVER TYPE) SHEET 75	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(o) WORK NO. 9Y SHEET 76	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(o) WORK NO. 7E SHEET 77	TR010032/APP/2.13	P03
STRUCTURES PLANS 5(2)(o) WORK NO. 5E SHEET 78	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(o) TYPICAL BAT BARN SHEET 79	TR010032/APP/2.13	P02





PLAN  
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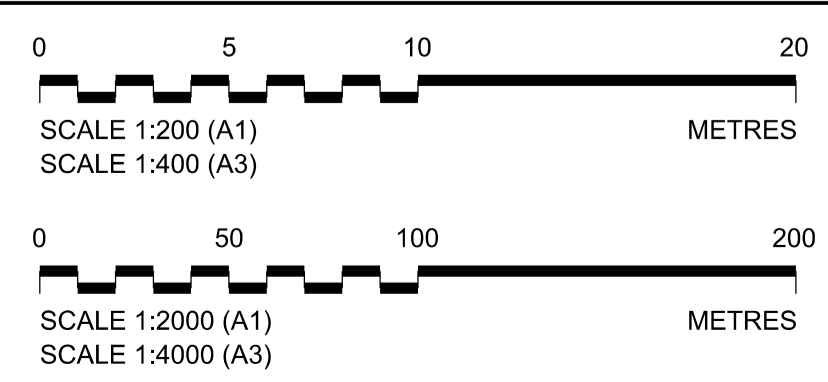
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P01	SS	19/10/2022	DCO Application	RT	BB	ASB
P02	SS	11/12/2023	Deadline 9	SA	RO	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

**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).
- Drawings show engineering earthworks only. Landscaping earthworks are shown in General Arrangement Plans (TR010032/APP/2.5).
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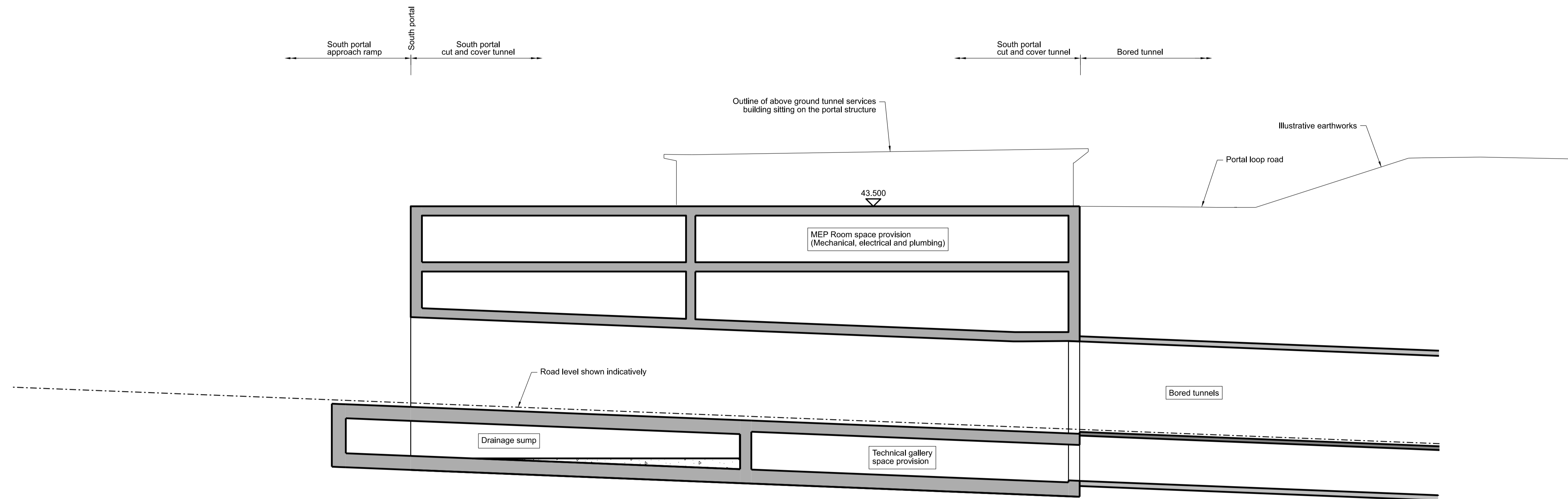


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Project

**LOWER THAMES CROSSING**

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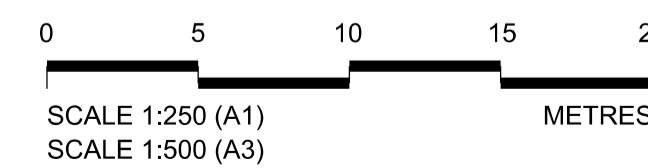
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	SB	19/10/2022	DCO Application	RT	BB	ASB
P02	SB	11/12/2023	Deadline 9	SA	RO	ASB

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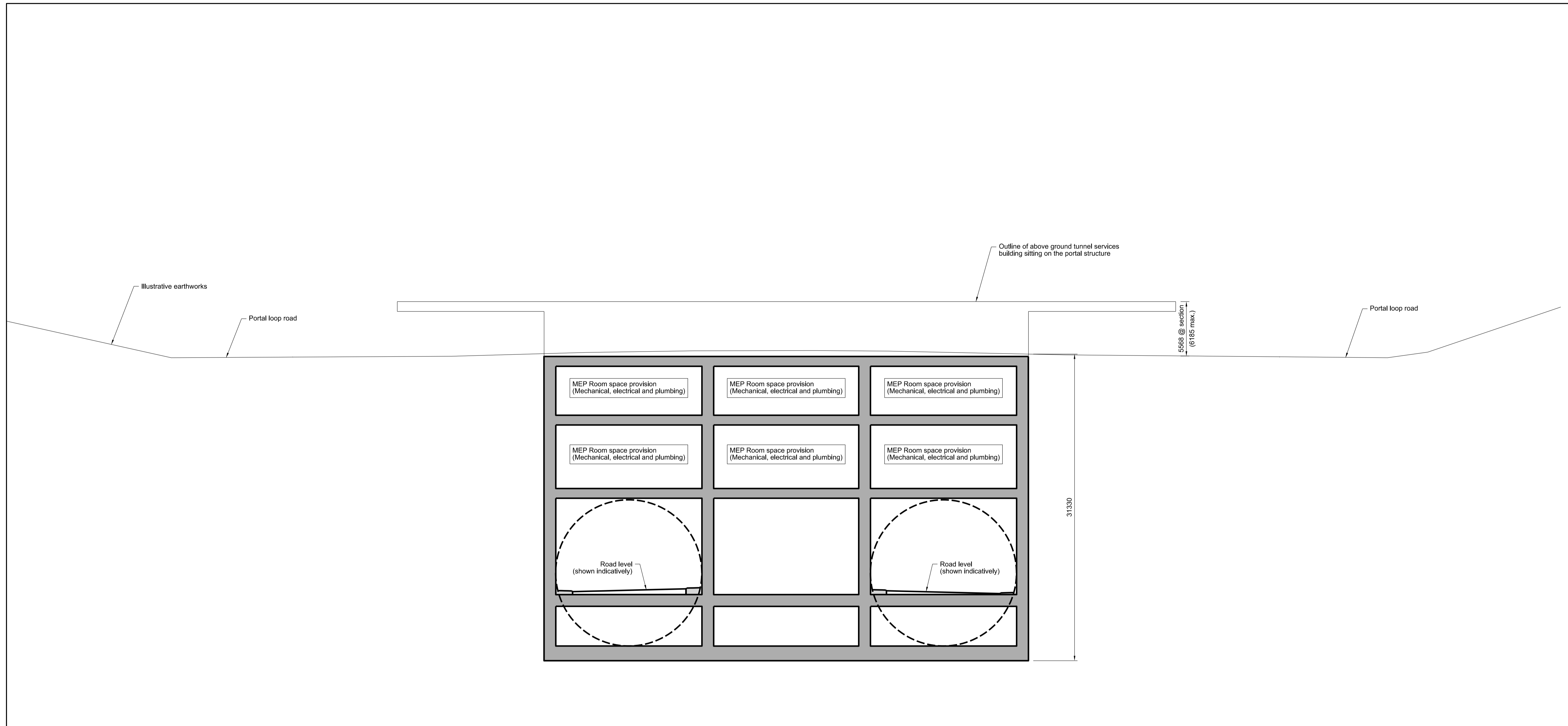
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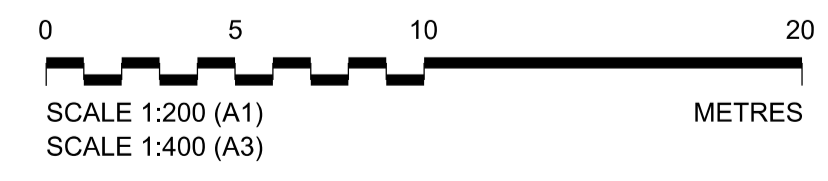
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	SS	19/10/2022	DCO Application	RT	BB	ASB
P02	SS	11/12/2023	Deadline 9	SA	RO	ASB

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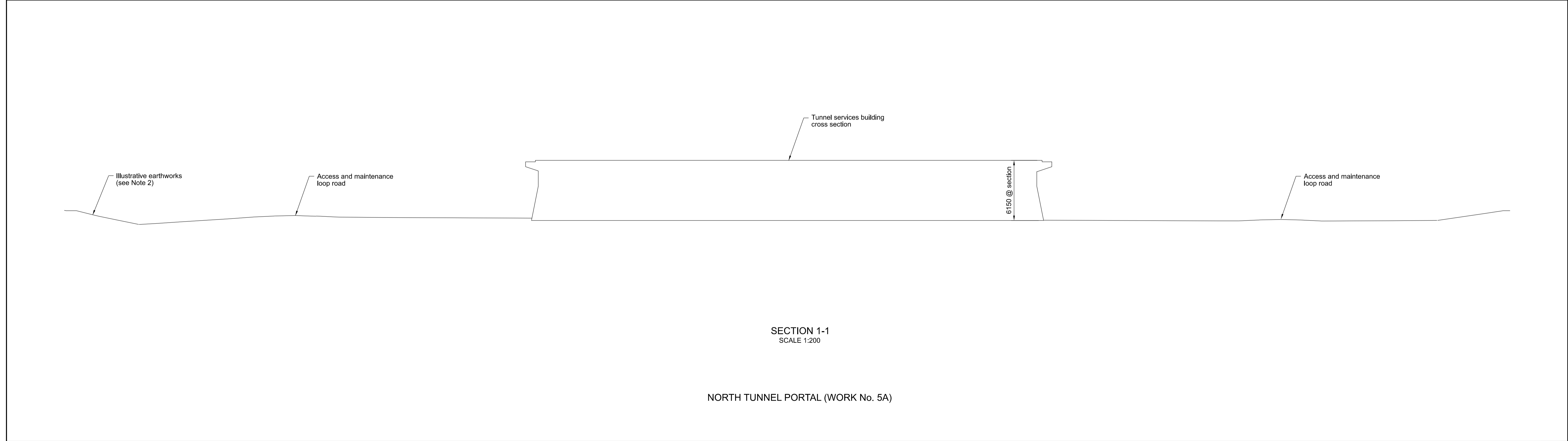
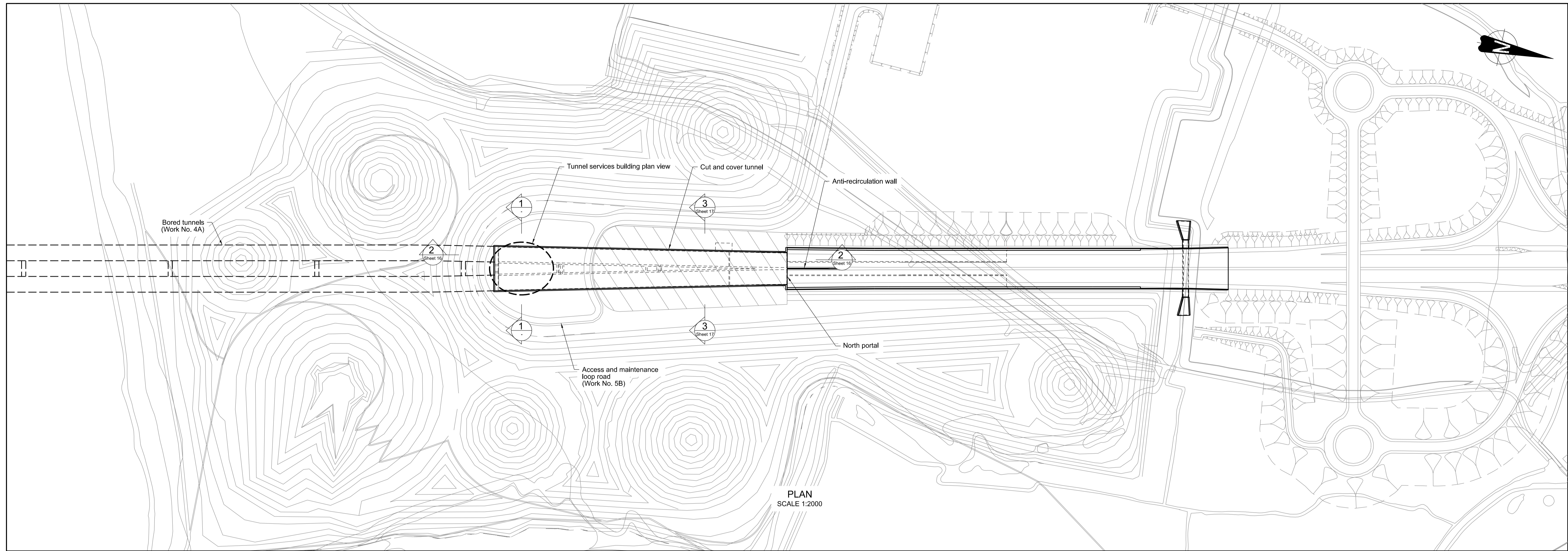


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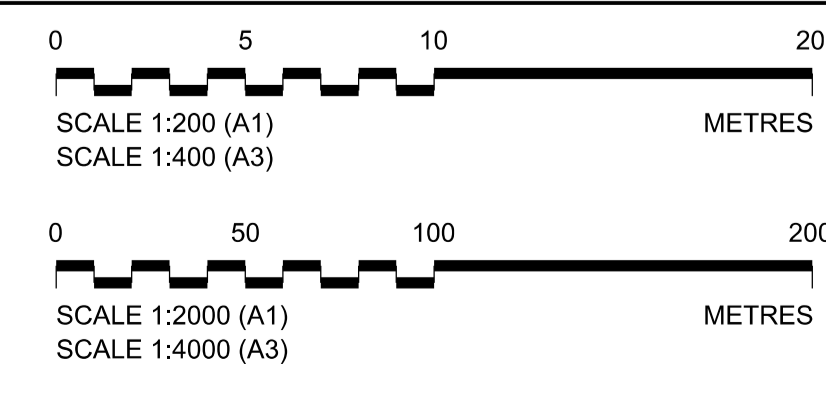




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P01	SB	19/10/2022	DCO Application	RT	BB	ASB
P02	SB	11/12/2023	Deadline 9	SA	RO	ASB

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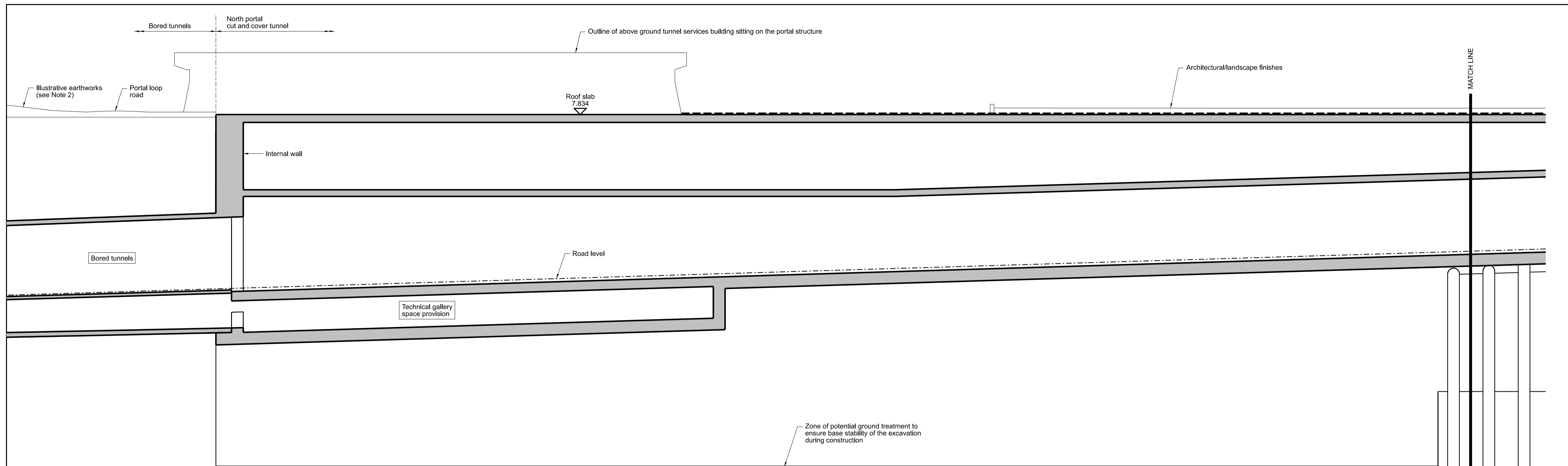


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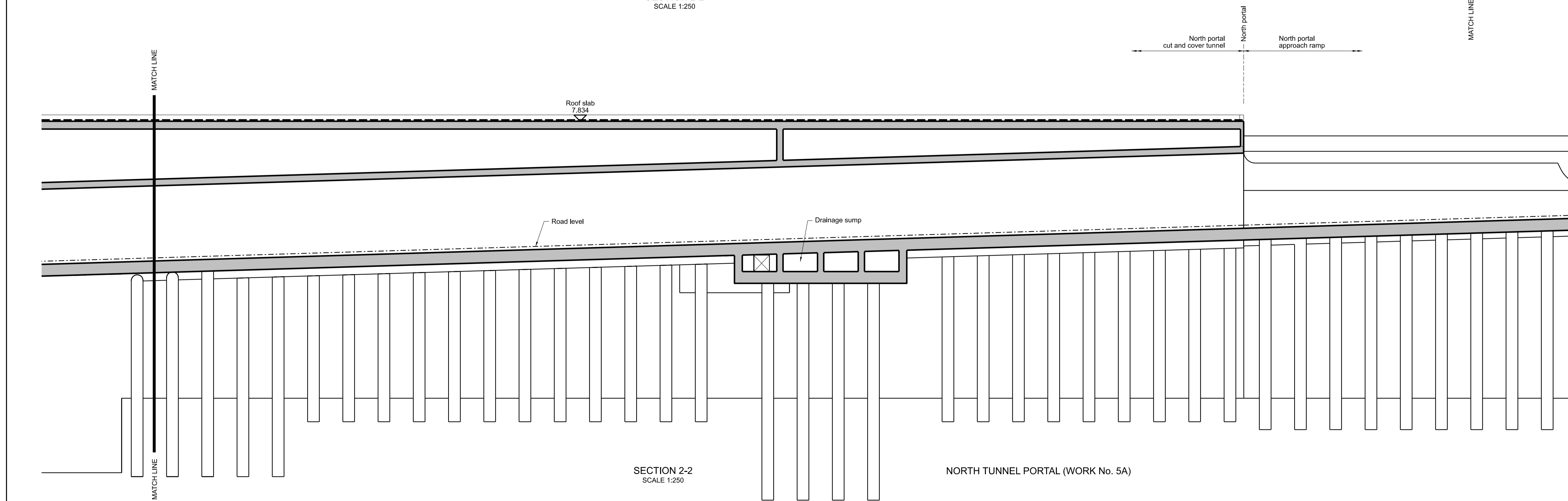
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SECTION 2-2  
SCALE 1:250



SECTION 2-2  
SCALE 1:250

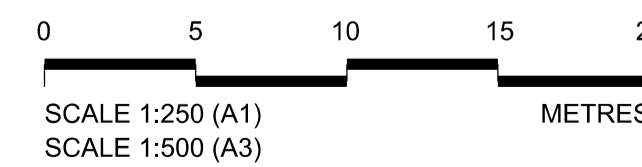
NORTH TUNNEL PORTAL (WORK No. 5A)

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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
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P02	SB	11/12/2023	Deadline 9	SA	RO	ASB

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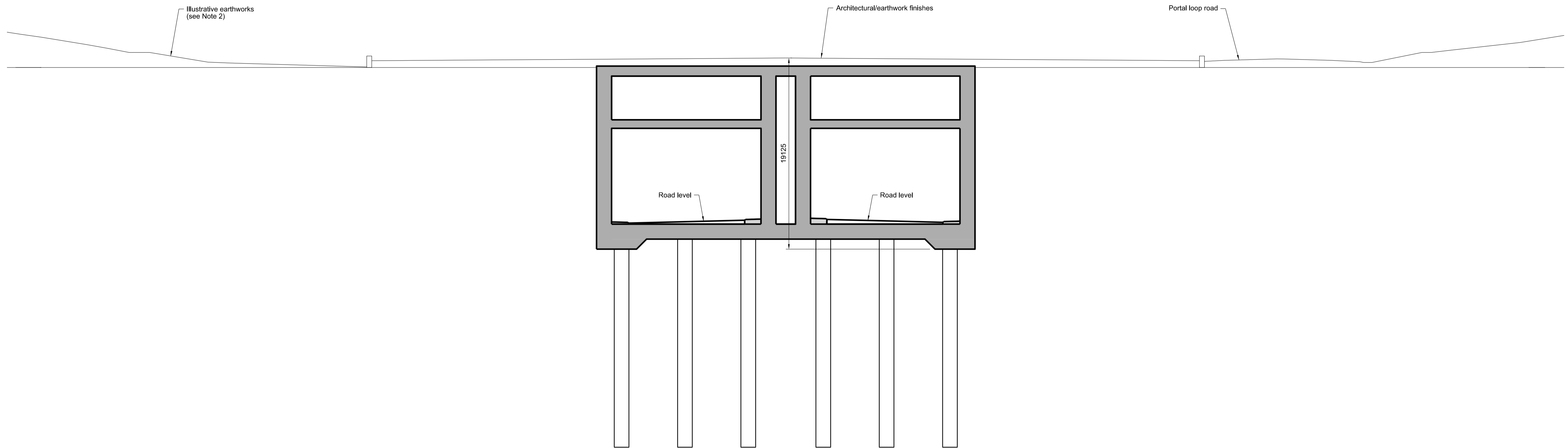
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Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	1:250		
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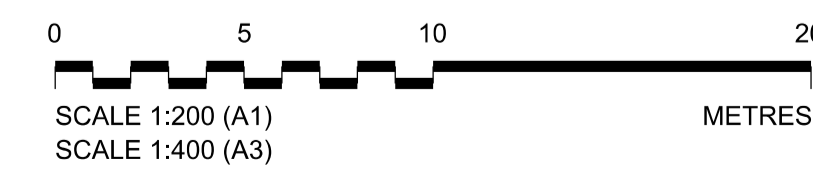
NORTH TUNNEL PORTAL (WORK No. 5A)

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P01	SS	19/10/2022	DCO Application	RT	BB	ASB
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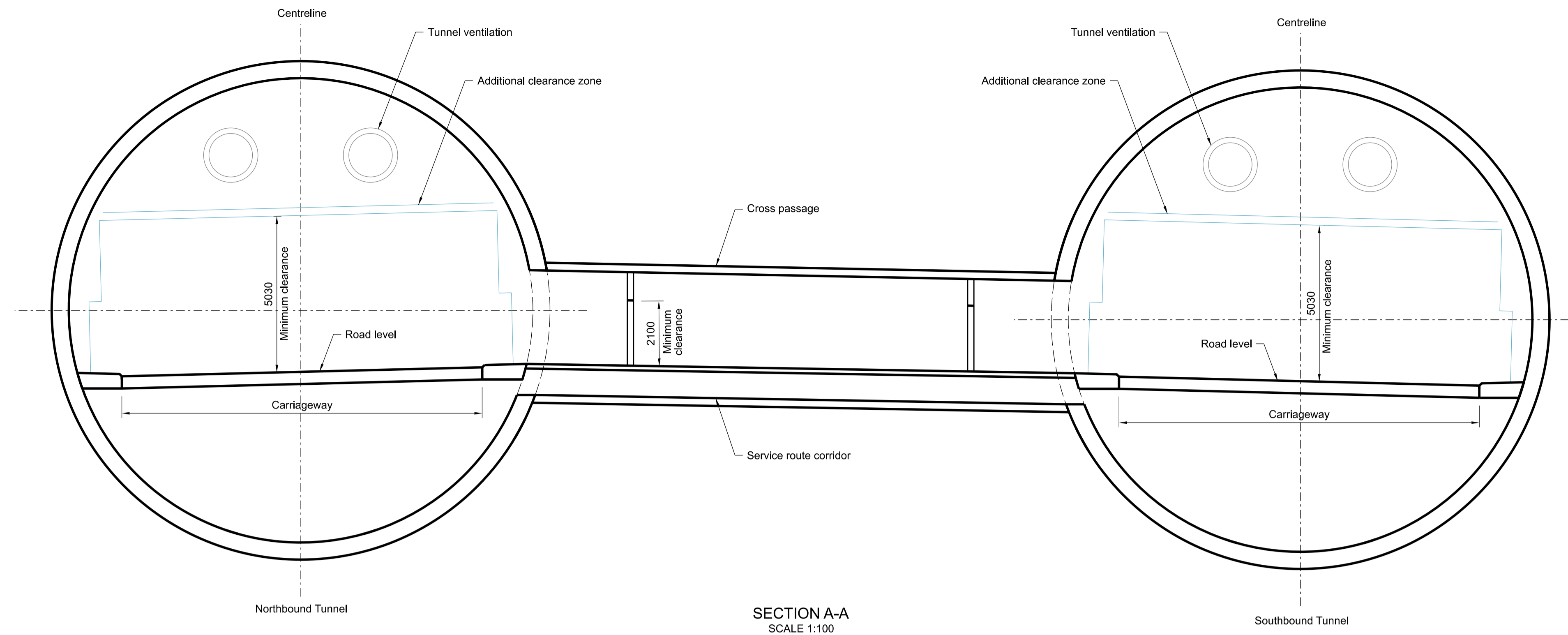


Client

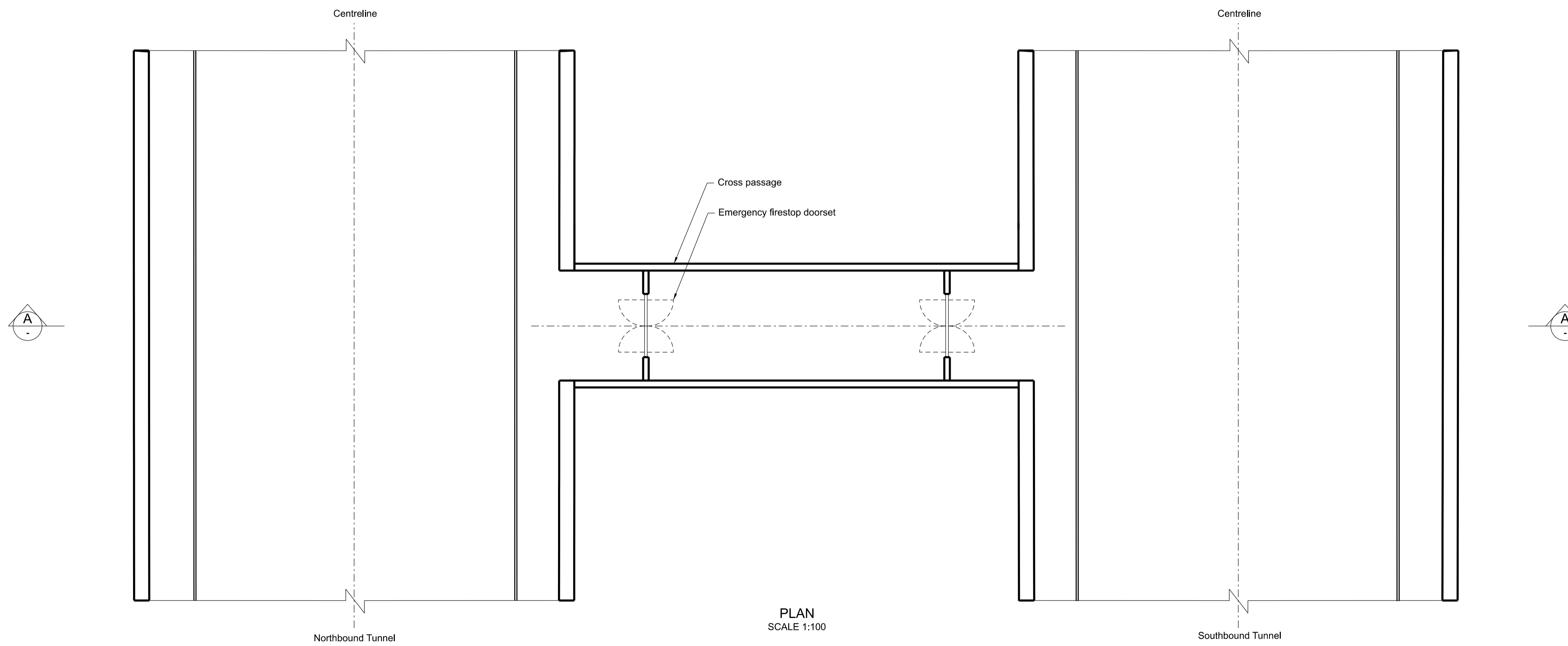
Project

**LOWER THAMES CROSSING**

Status	DCO Examination		Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13		Scale	1:200		
Drawing title	STRUCTURES PLANS 5(2)(o) NORTH TUNNEL PORTAL SHEET 17					
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CT-20005					

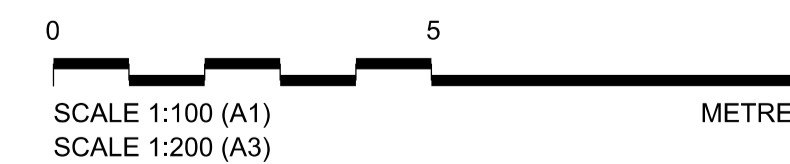


BORED TUNNELS (WORK No. 4A)



NOTES:

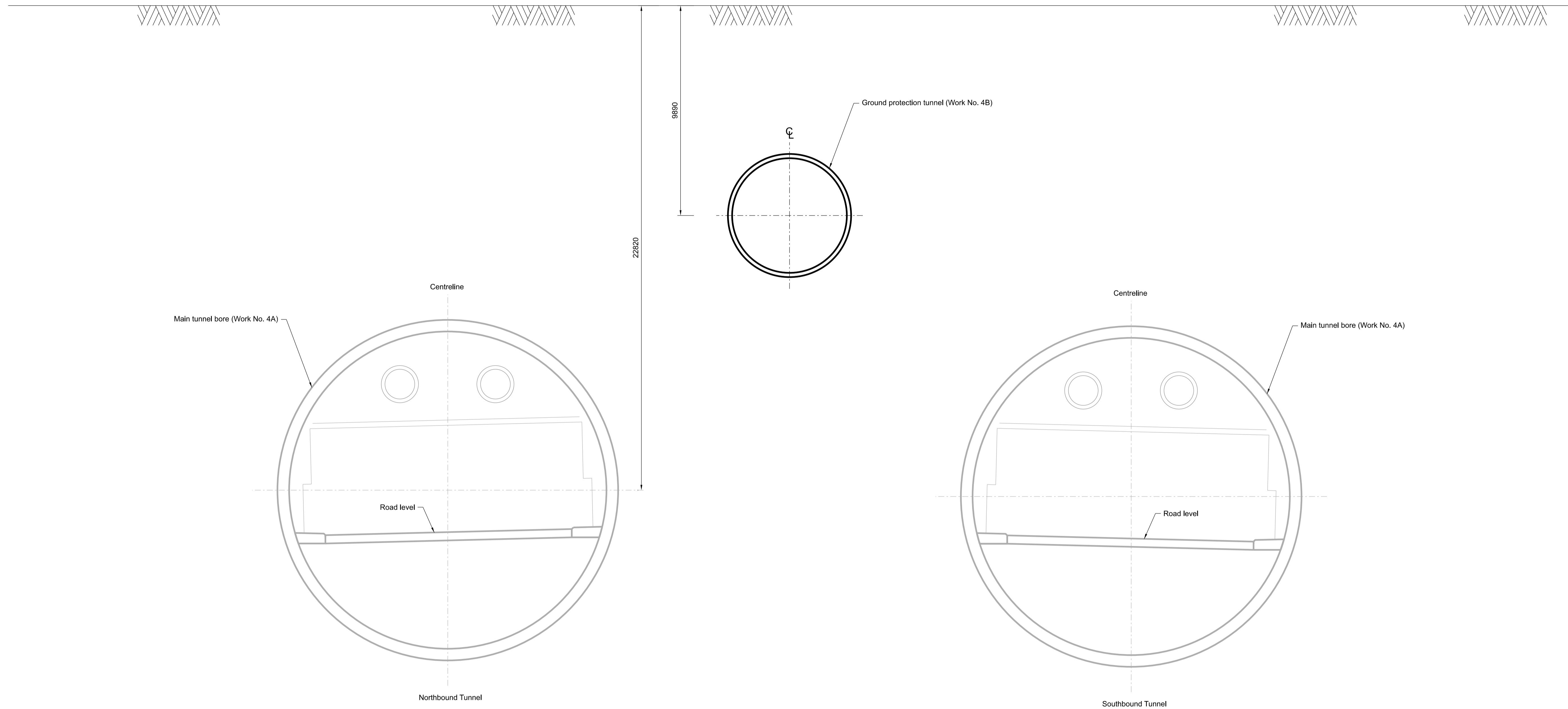
- The design and location of the structure is shown here for illustrative purposes only and will be subject to detailed design development in accordance with the provisions of the Development Consent Order (TR010032/APP/3.1).
- Drawings show engineering earthworks only. Landscaping earthworks are shown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



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P01	SS	19/10/2022	DCO Application	RT	BB	ASB				
P02	SS	11/12/2023	Deadline 9	SA	RO	ASB				
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd				

Client  
  
 Project  
**LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	1:100		
Drawing title	<b>STRUCTURES PLANS 5(2)(o) BORED TUNNELS SHEET 18</b>				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CT-20006				

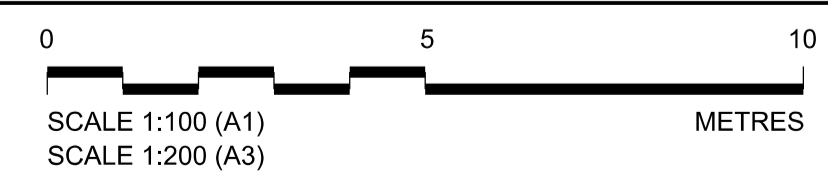


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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	SB	19/10/2022	DCO Application	RT	BB	ASB
P02	SB	11/12/2023	Deadline 9	SA	RO	ASB

**NOTES:**

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

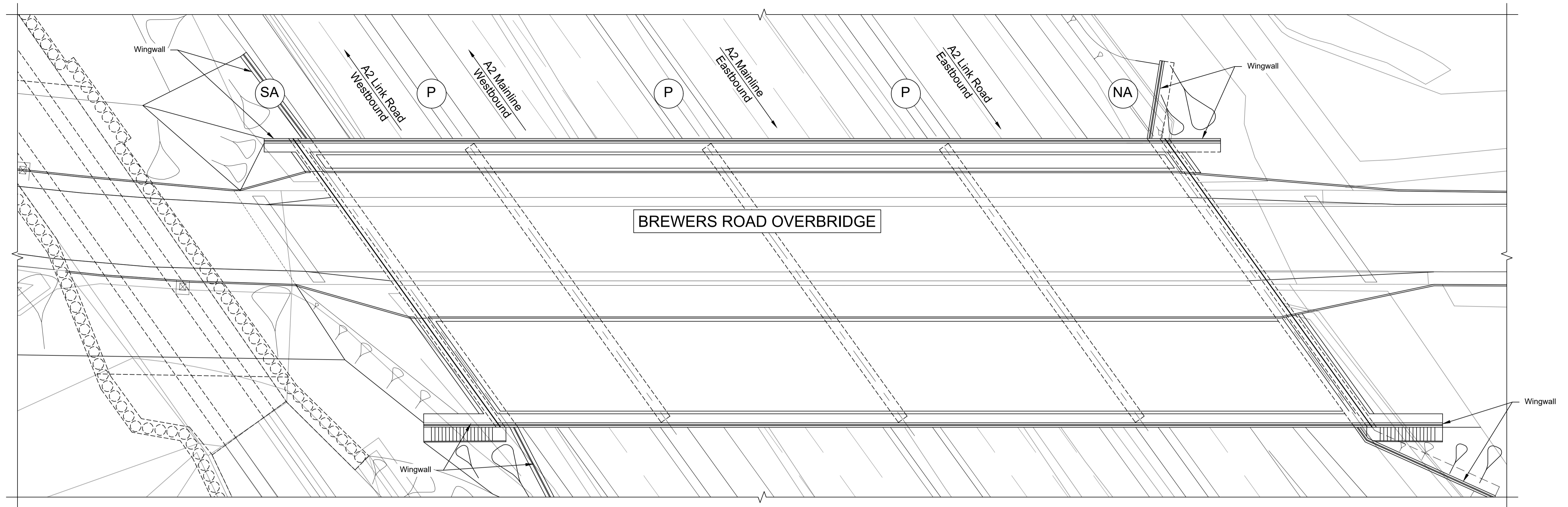
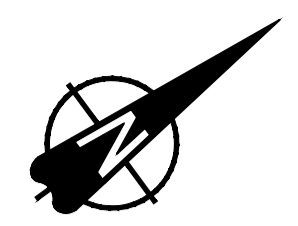


Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

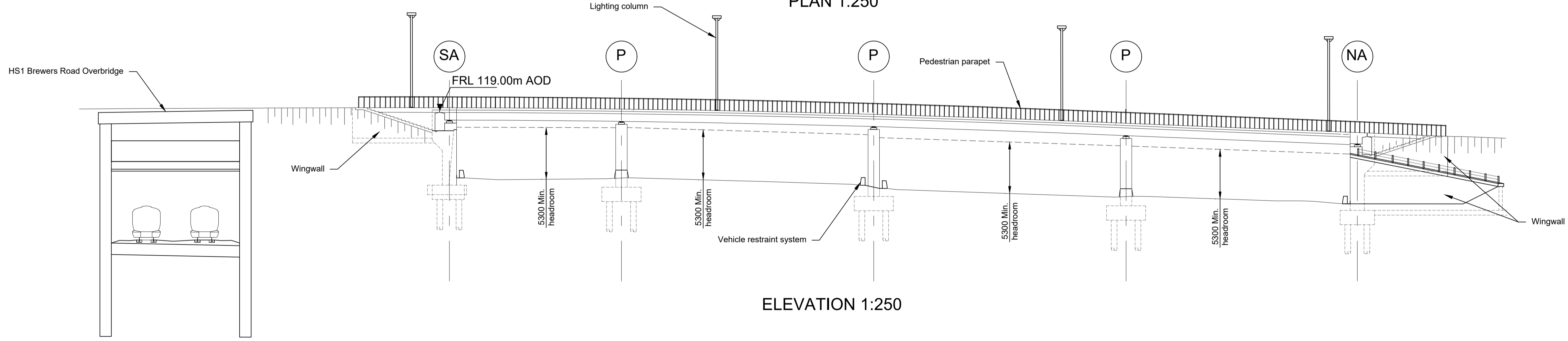
Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	1:100		
Drawing title	<b>STRUCTURES PLANS 5(2)(o) GROUND PROTECTION TUNNEL SHEET 19</b>				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CT-20007				



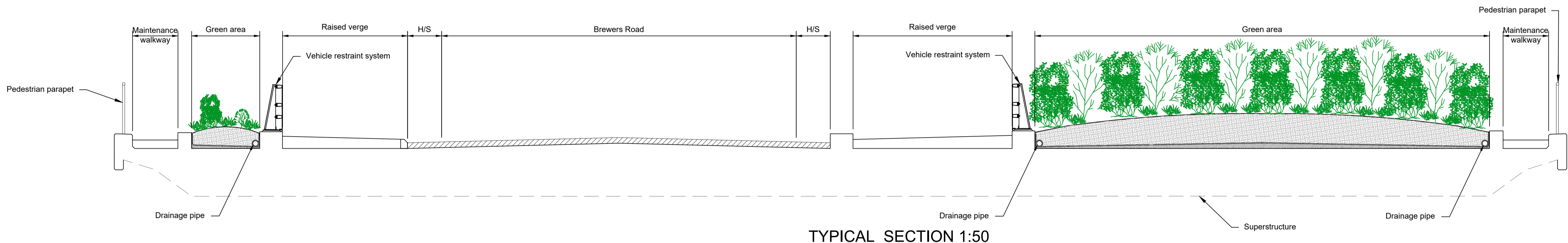


**BREWERS ROAD OVERBRIDGE**

PLAN 1:250



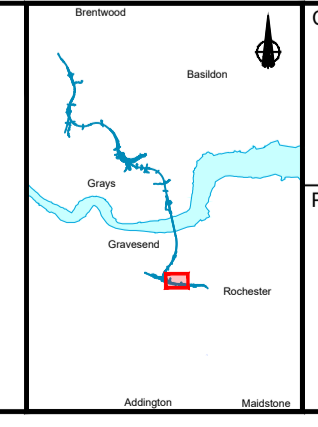
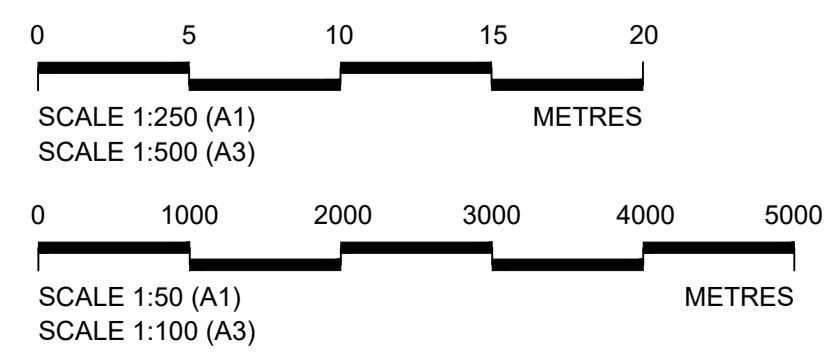
ELEVATION 1:250



TYPICAL SECTION 1:50

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

- 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.



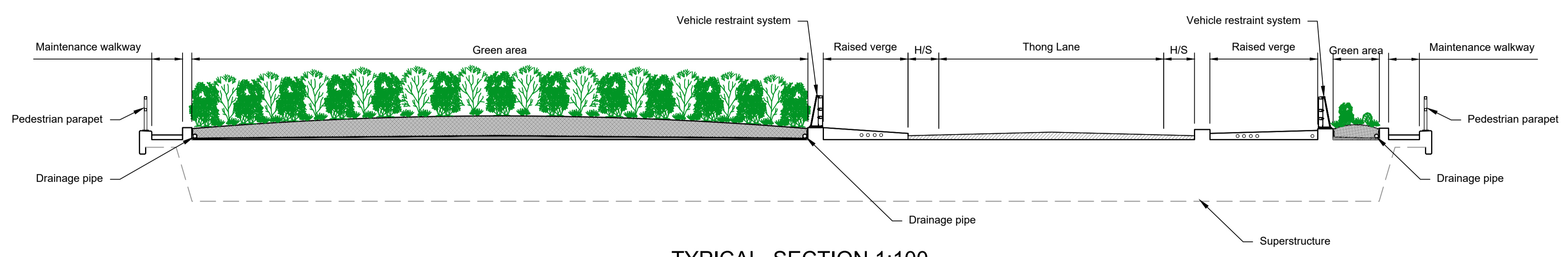
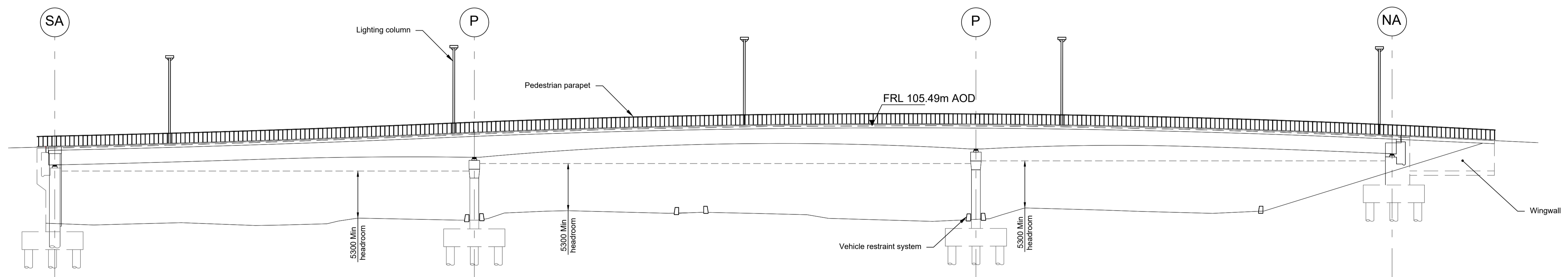
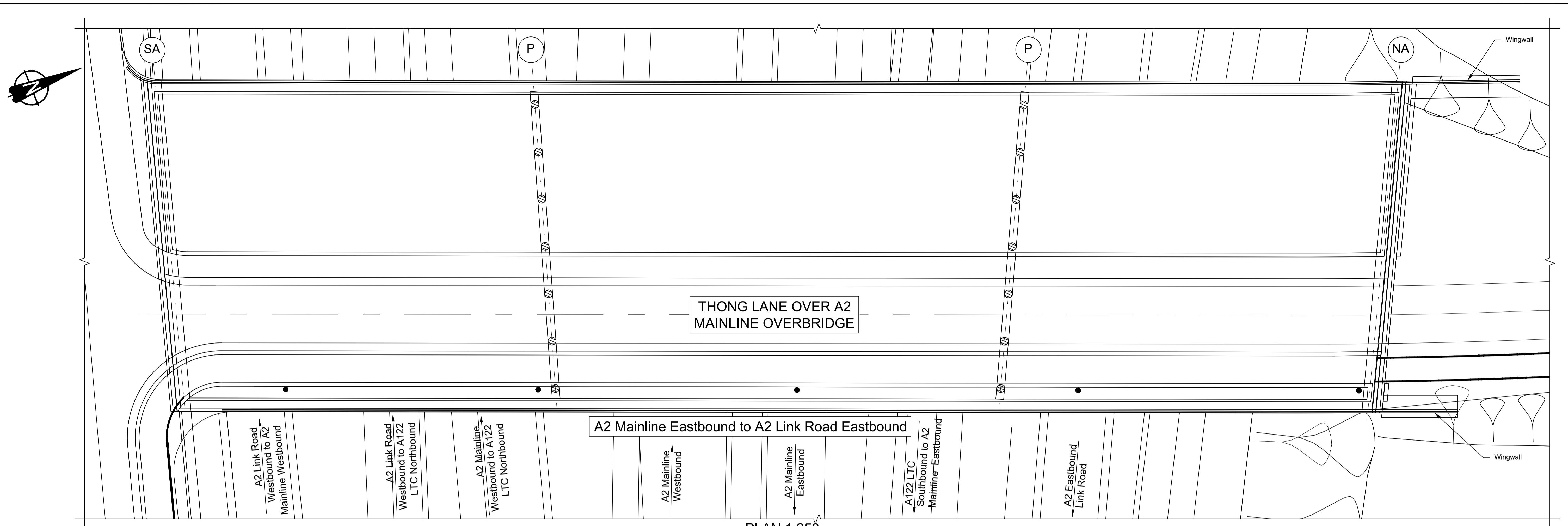
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status: DCO Examination	Original Size: A1	Revision: P02
Application Document Number: TR010032/APP/2.13	Scale: AS SHOWN	
Drawing title: <b>STRUCTURES PLANS 5(2)(o) WORK NO. 1D SHEET 20</b>		
Drawing Number: HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10050		

P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd





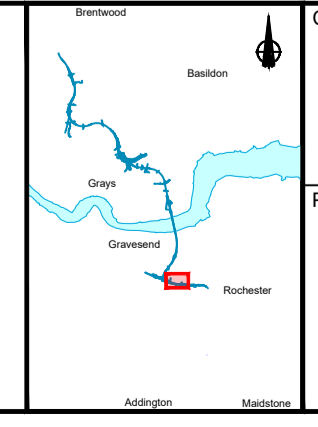
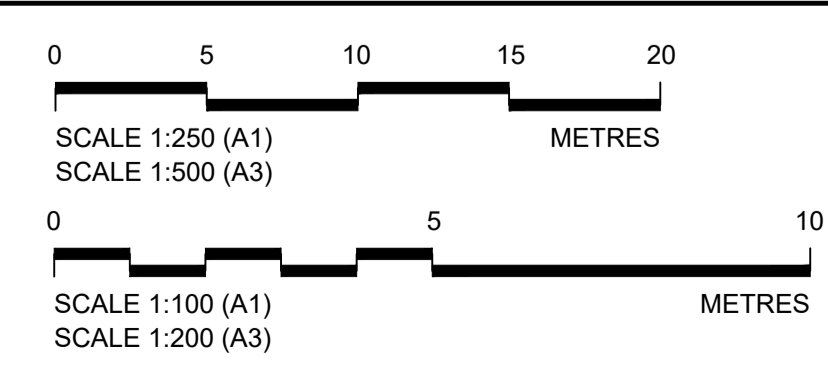
LEGEND

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

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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

- NOTES:
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  - All levels are in metres and relate to Ordnance datum unless stated otherwise.
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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.

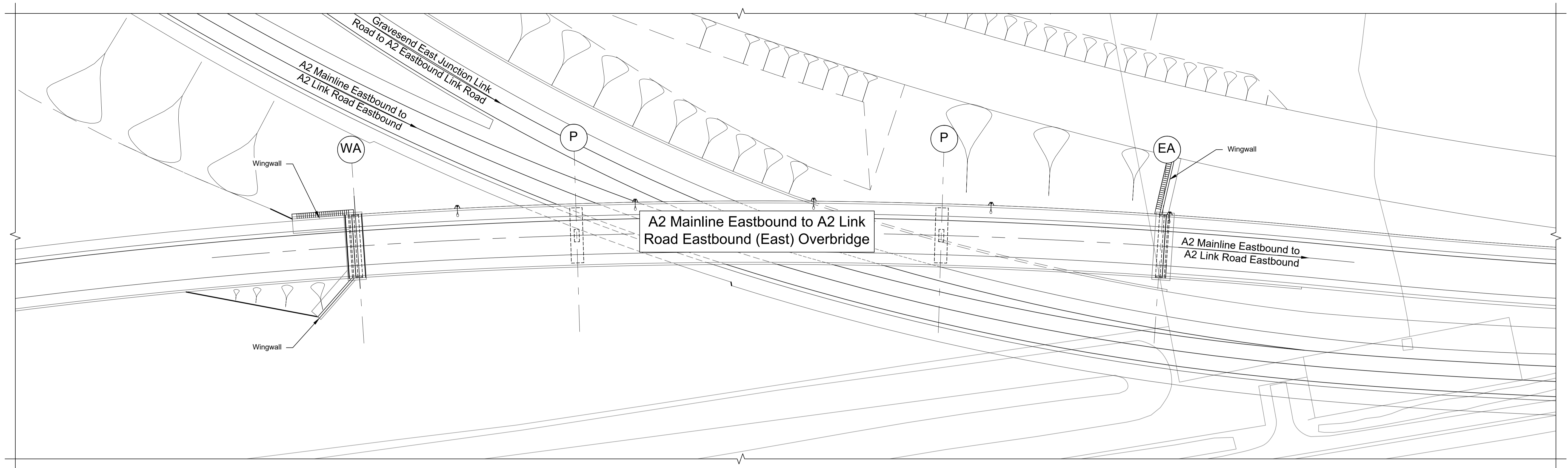
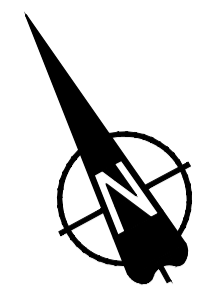


Client: national highways

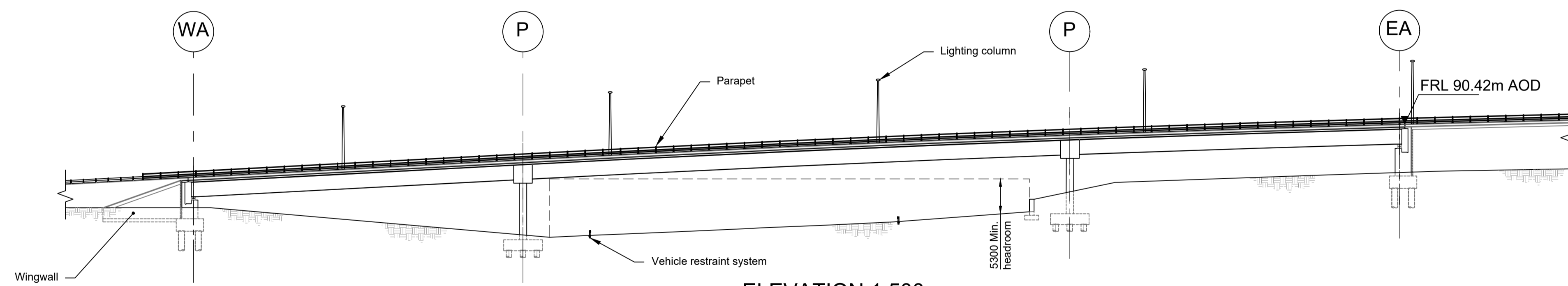
Project: LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	STRUCTURES PLANS 5(2)(o) WORK NO. 1H SHEET 21				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10051				

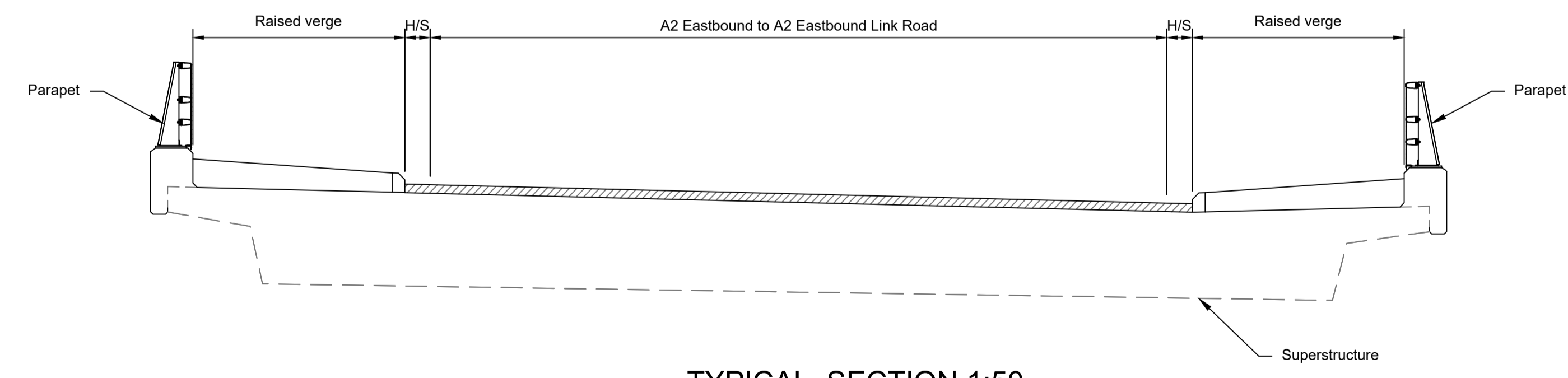




PLAN 1:500



ELEVATION 1:500

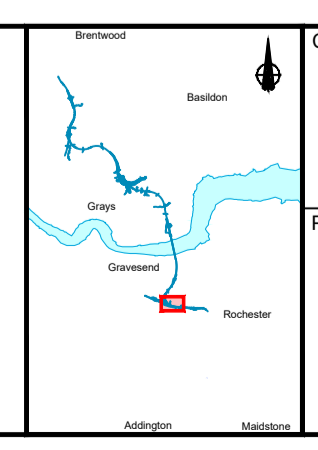
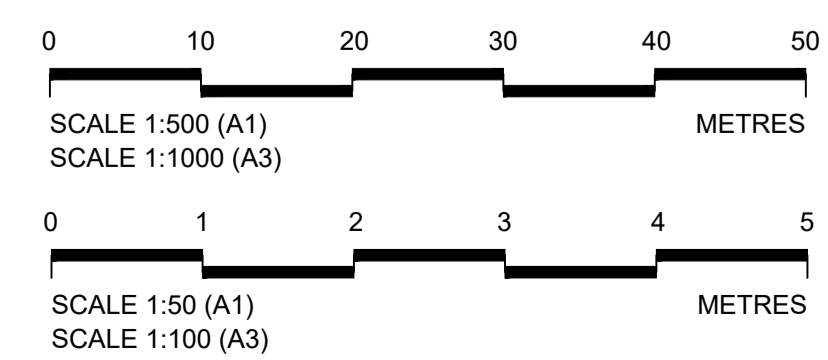


TYPICAL SECTION 1:50

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

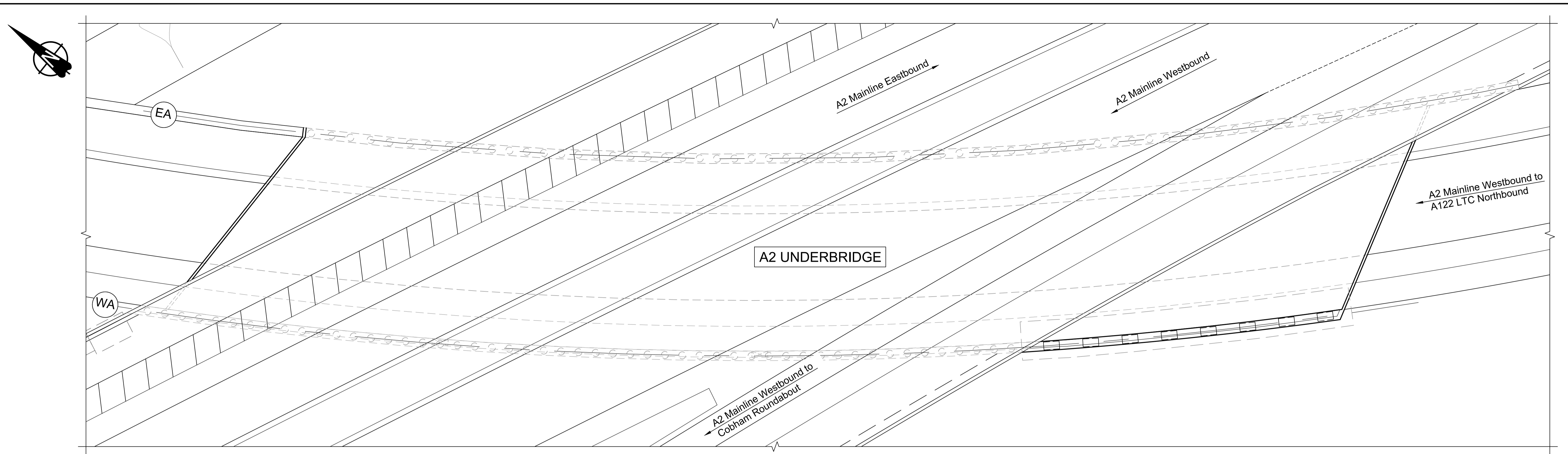
- NOTES:
- The design and location of the structure is shown here for illustrative purposes only and will be subject to detailed design development in accordance with the provisions of the Development Consent Order (TR010032/APP/2.1).
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  - Full length of piles not shown.



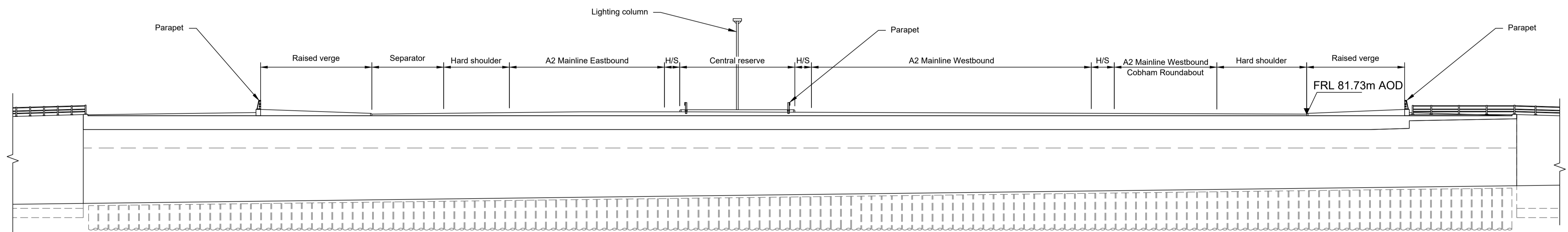
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status: DCO Examination	Original Size: A1	Revision: P02
Application Document Number: TR010032/APP/2.13	Scale: AS SHOWN	
Drawing title: <b>STRUCTURES PLANS 5(2)(o) WORK NO. 2B SHEET 22</b>		
Drawing Number: HE540039-CJV-BOP-SZZ_ST000000 -DR-CB-10052		



PLAN 1:250



ELEVATION 1:250

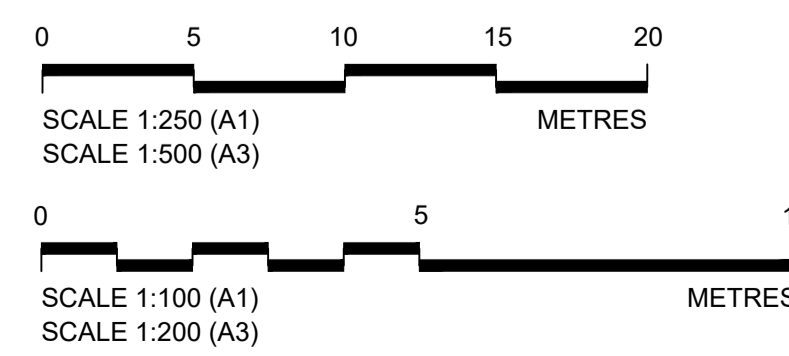


TYPICAL SECTION 1:100

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

- NOTES:
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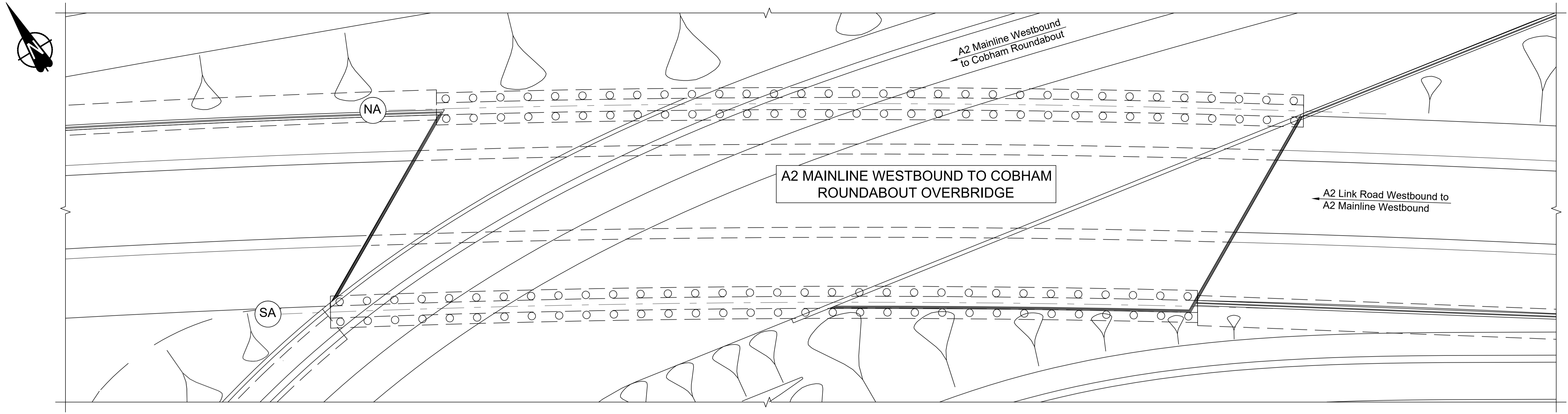
Client

Project

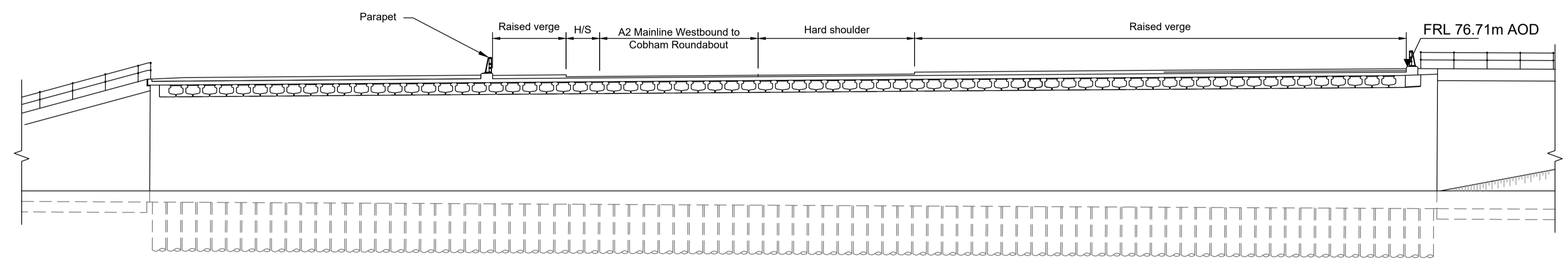
**LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o)</b>				
	<b>WORK NO. 2A</b>				
	<b>SHEET 23</b>				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10053				

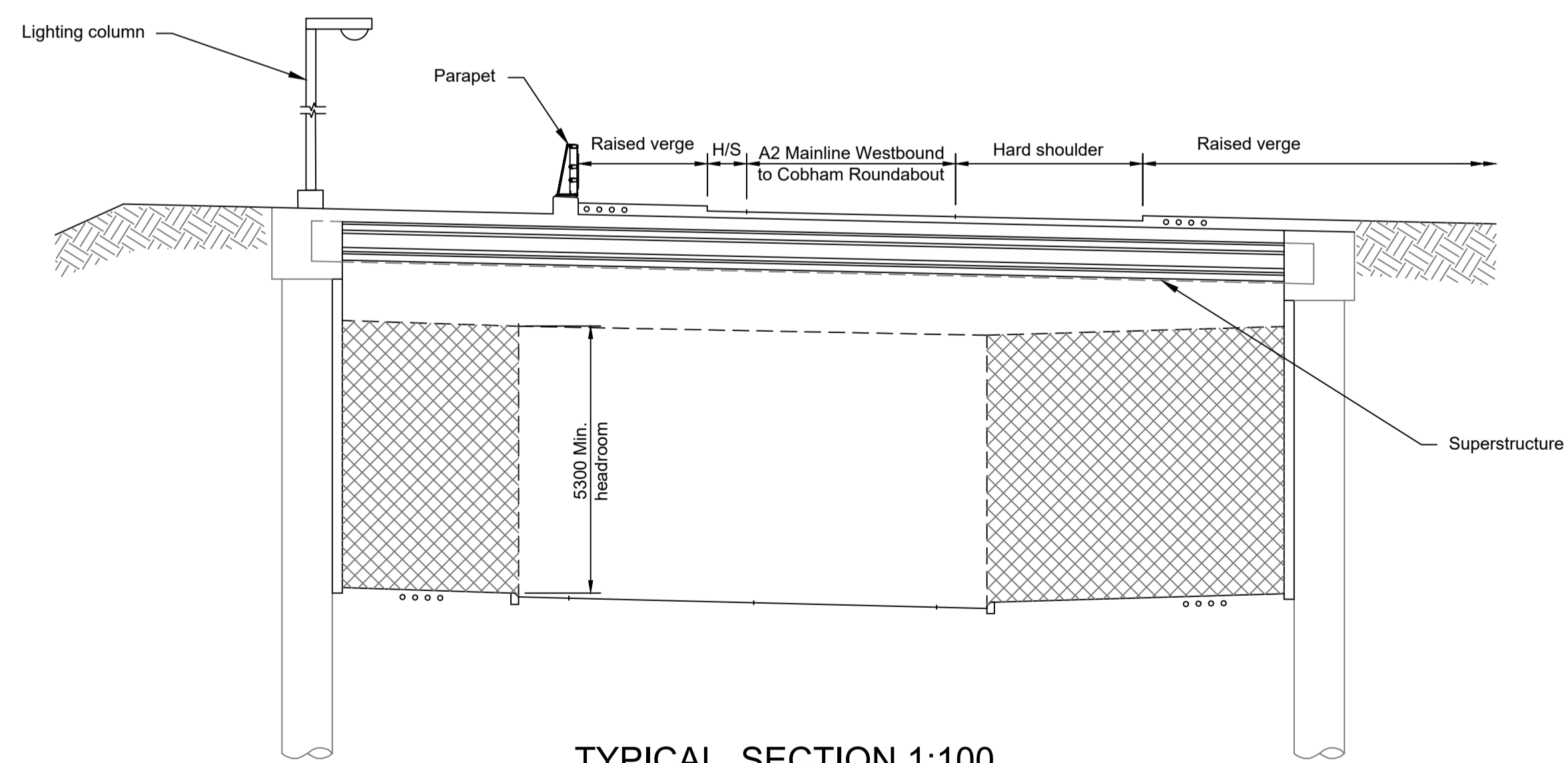




PLAN 1:250



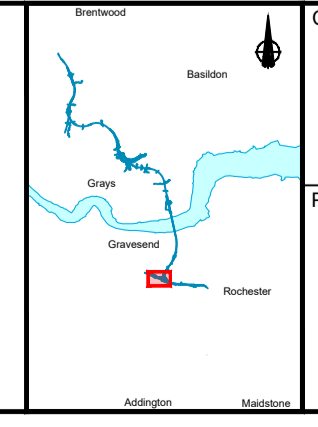
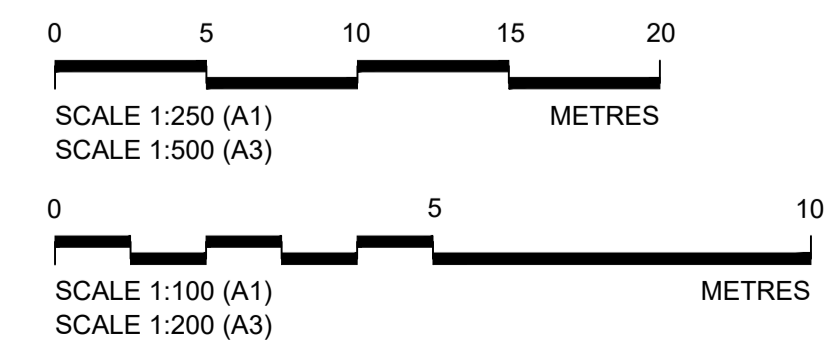
ELEVATION 1:250



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.



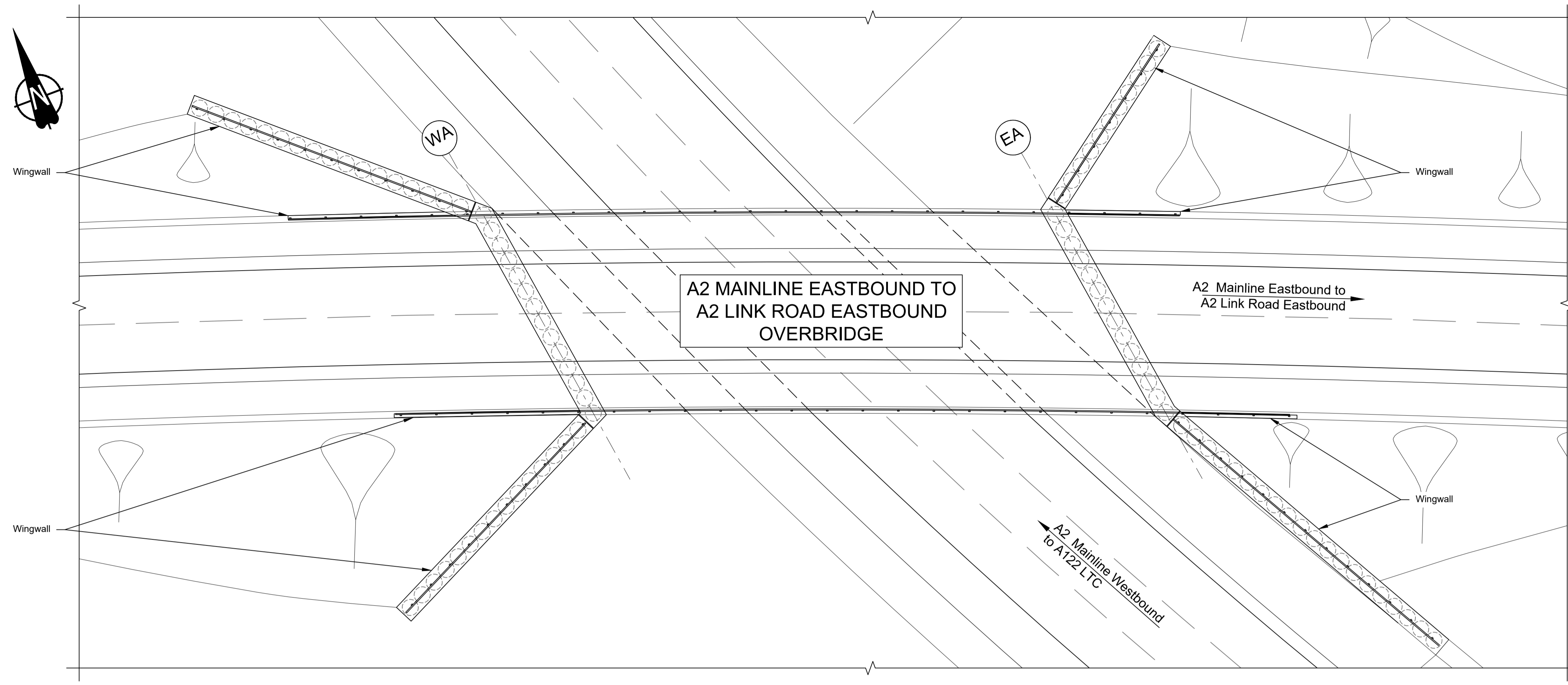
Client: **national highways**

Project: **LOWER THAMES CROSSING**

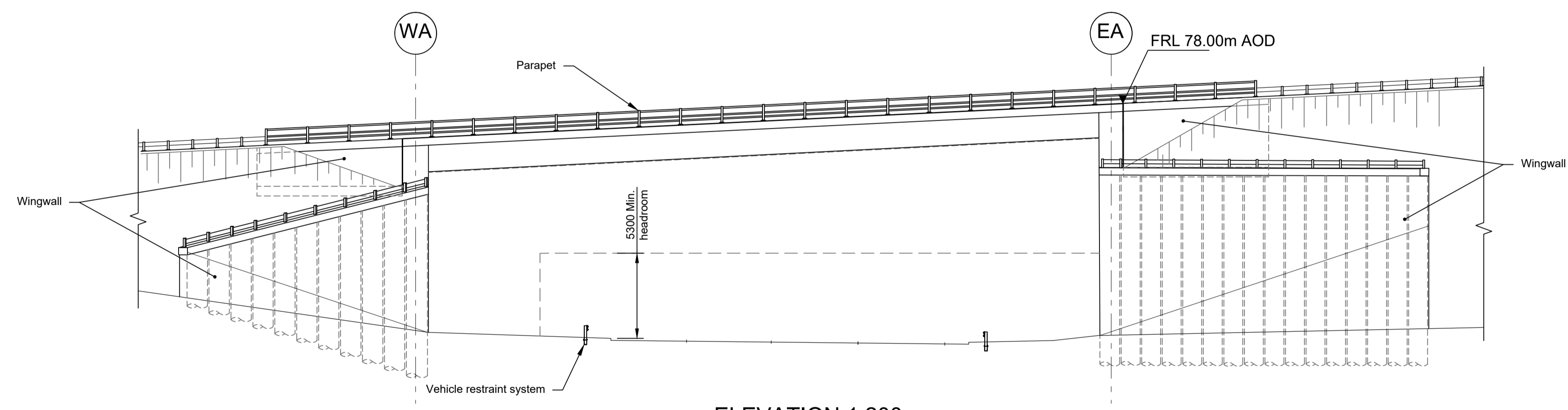
Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o)</b>				
	<b>WORK NO. 2D</b>				
	<b>SHEET 24</b>				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10054				

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

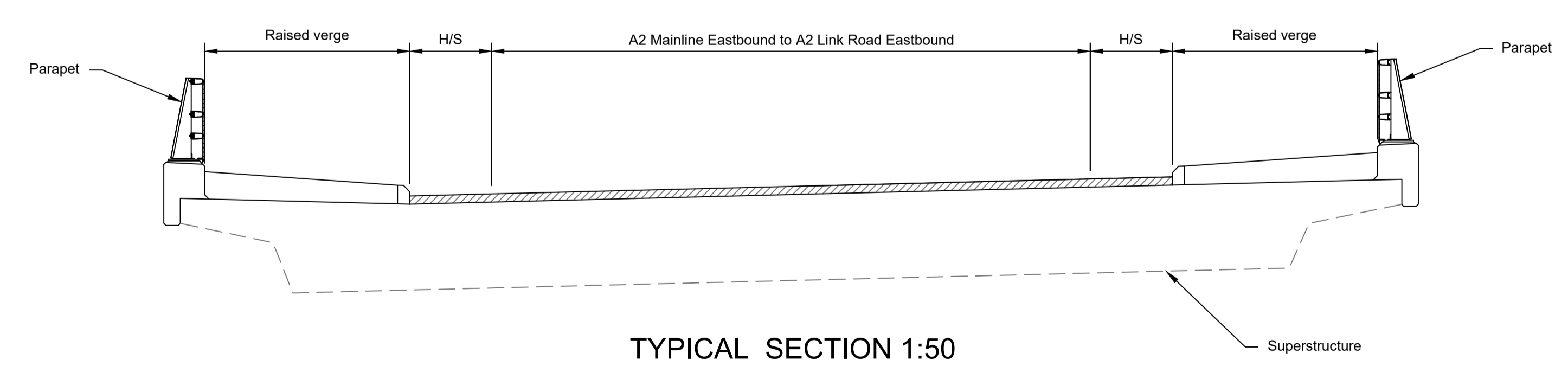
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PLAN 1:200



ELEVATION 1:200

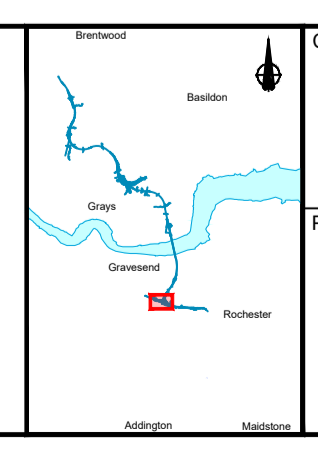
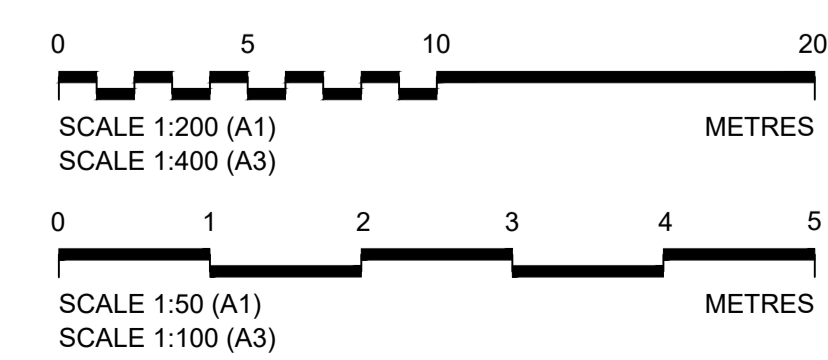


TYPICAL SECTION 1:50

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

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  - Full length of piles not shown.

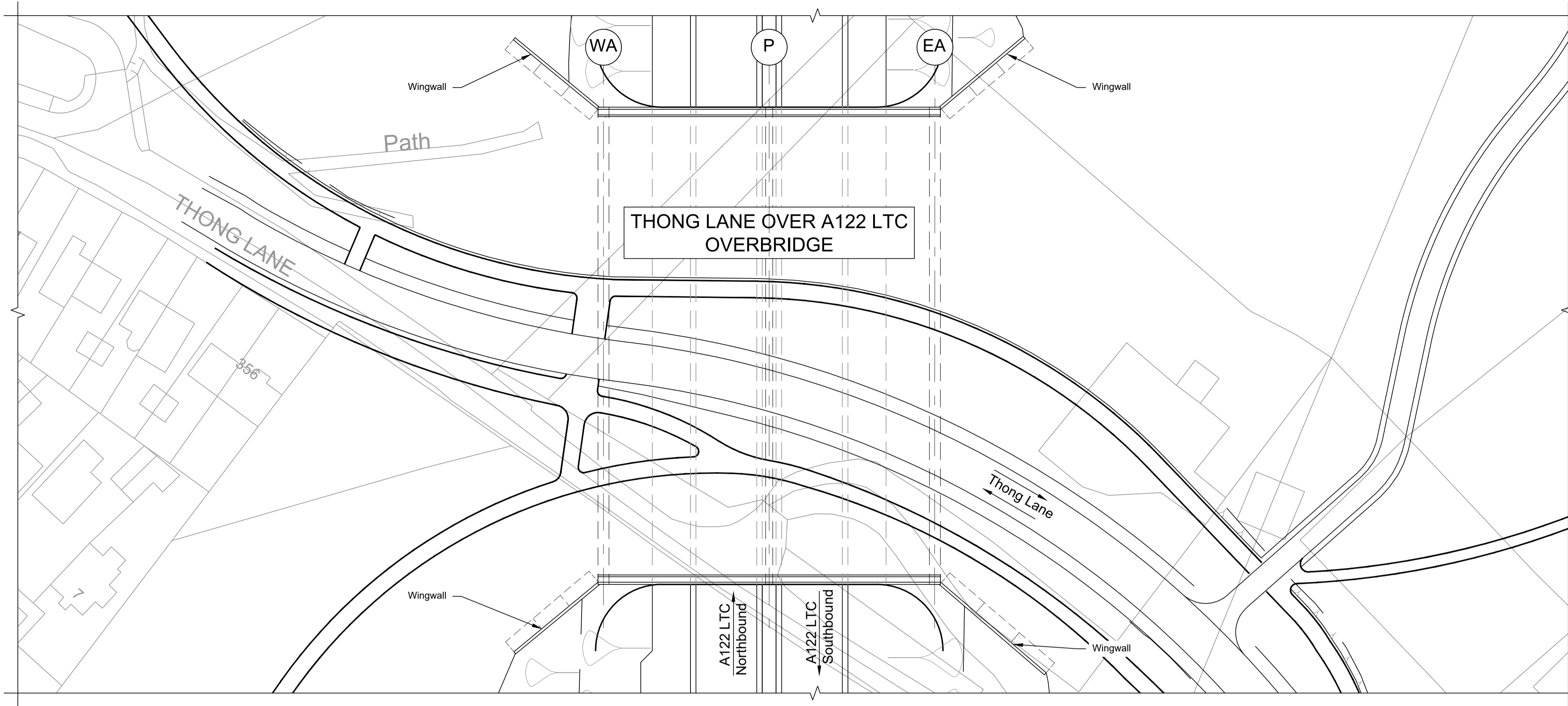


Client: **national highways**

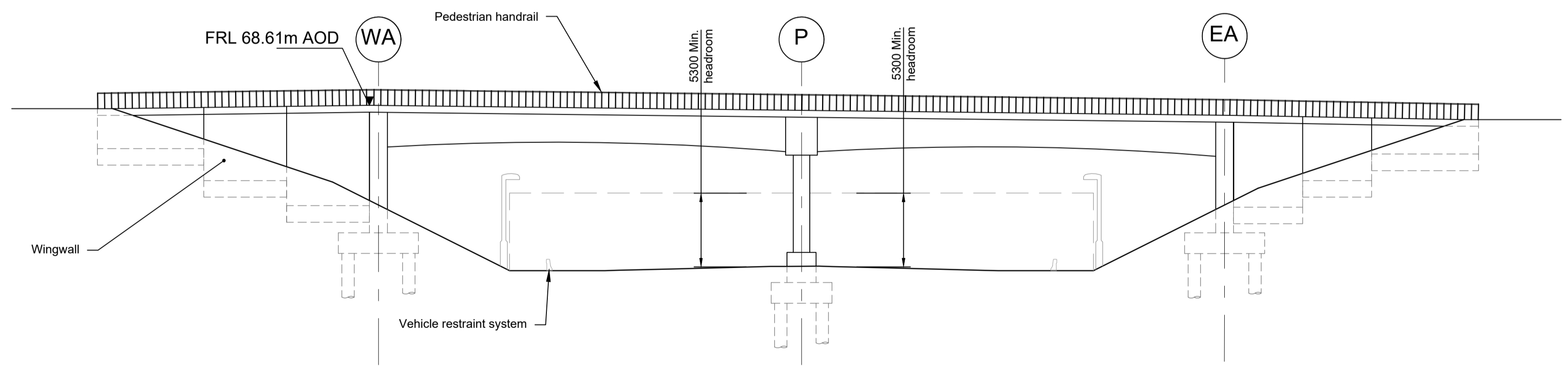
Project: **LOWER THAMES CROSSING**

Status: DCO Examination	Original Size: A1	Revision: P02
Application Document Number: TR010032/APP/2.13	Scale: AS SHOWN	
Drawing title: <b>STRUCTURES PLANS 5(2)(o) WORK NO. 2B SHEET 25</b>		
Drawing Number: HE540039-CJV-BOP-SZZ_ST000000 -DR-CB-10055		

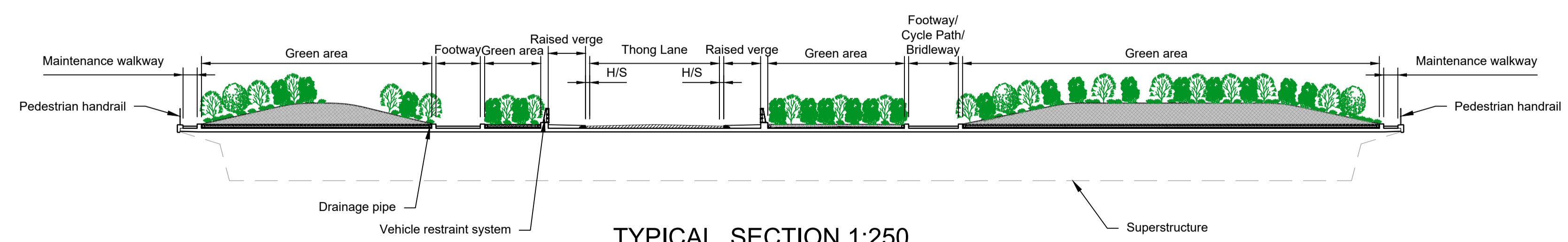




PLAN 1:500



ELEVATION 1:250

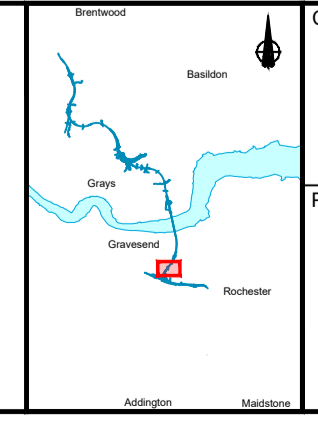
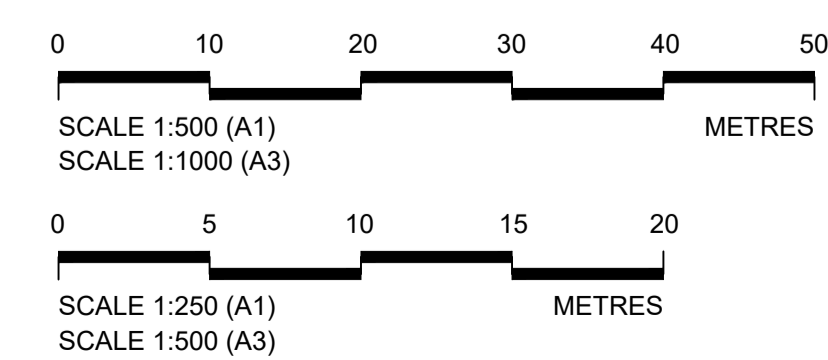


TYPICAL SECTION 1:250

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

- NOTES:
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  - Full length of piles not shown.

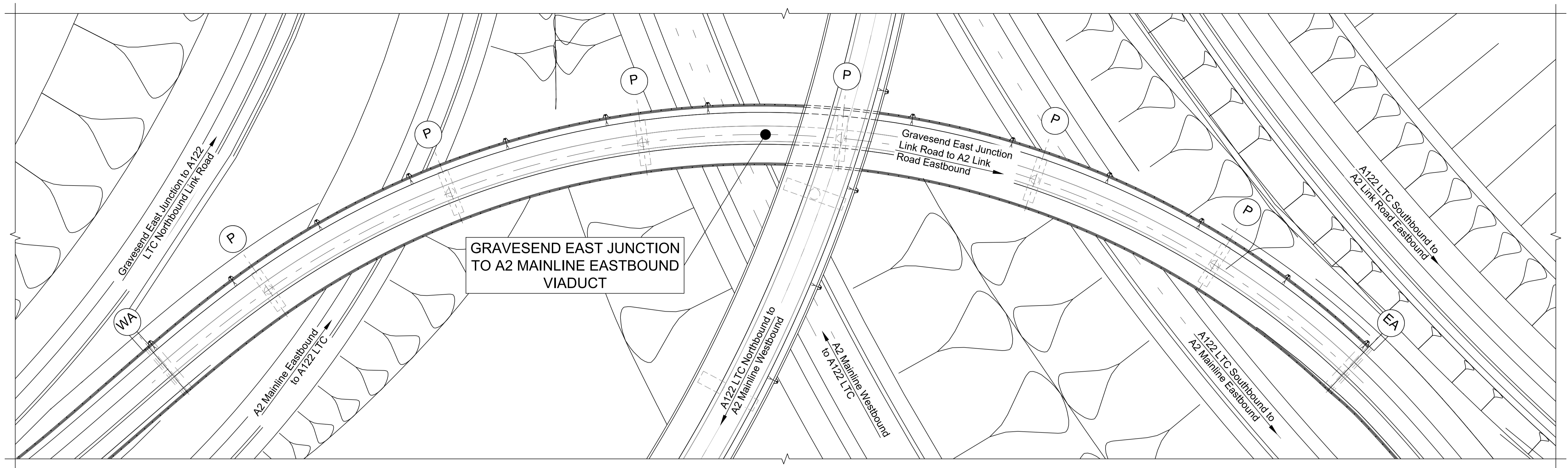


Client: **national highways**

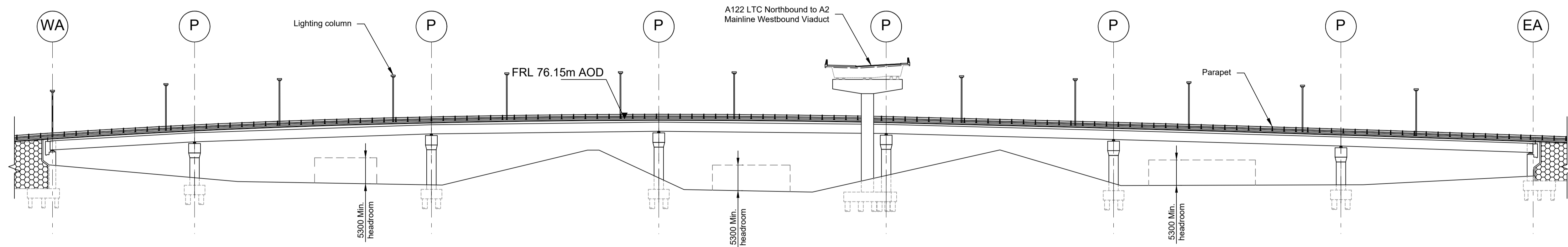
Project: **LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o)</b>				
	<b>WORK NO. 3B</b>				
	<b>SHEET 26</b>				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10056				

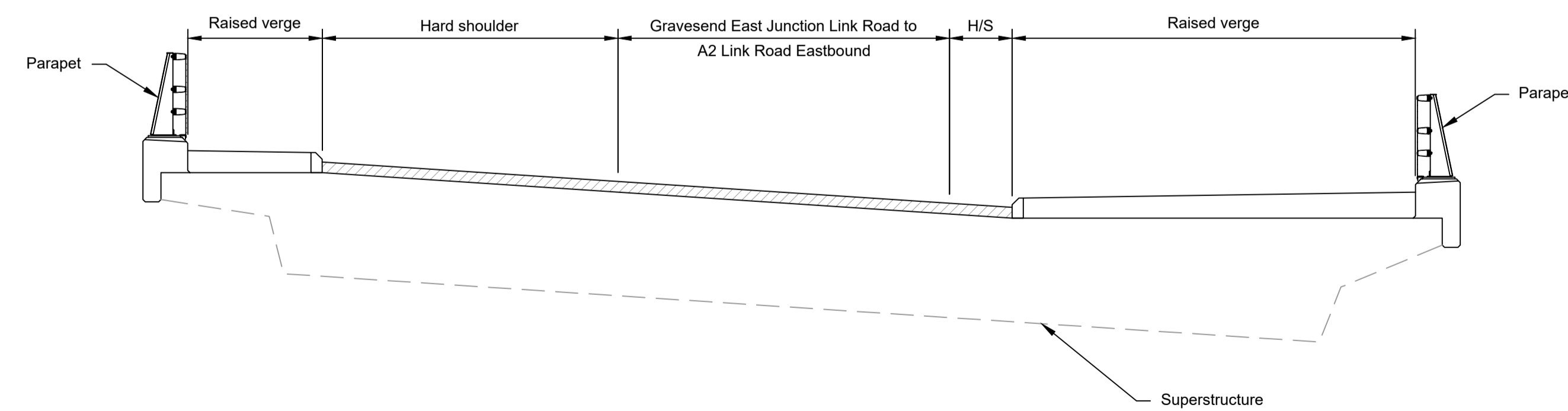




PLAN 1:500



ELEVATION 1:500

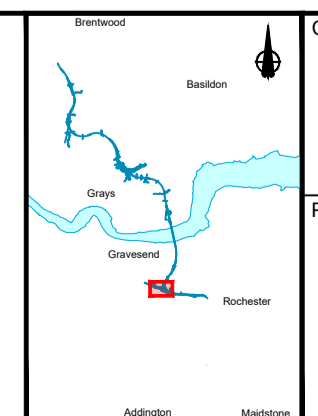
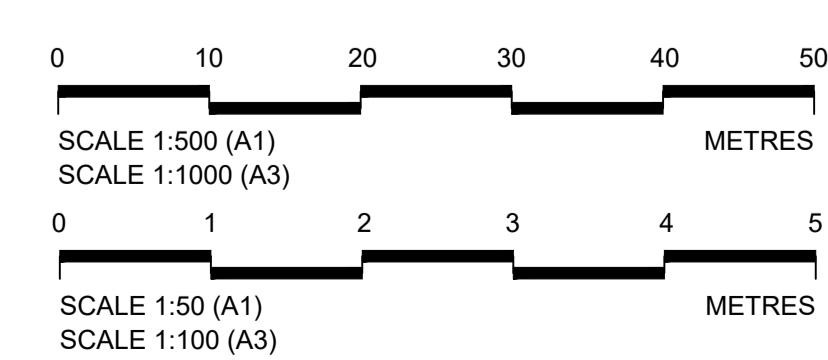


TYPICAL SECTION 1:50

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

- 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.
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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.

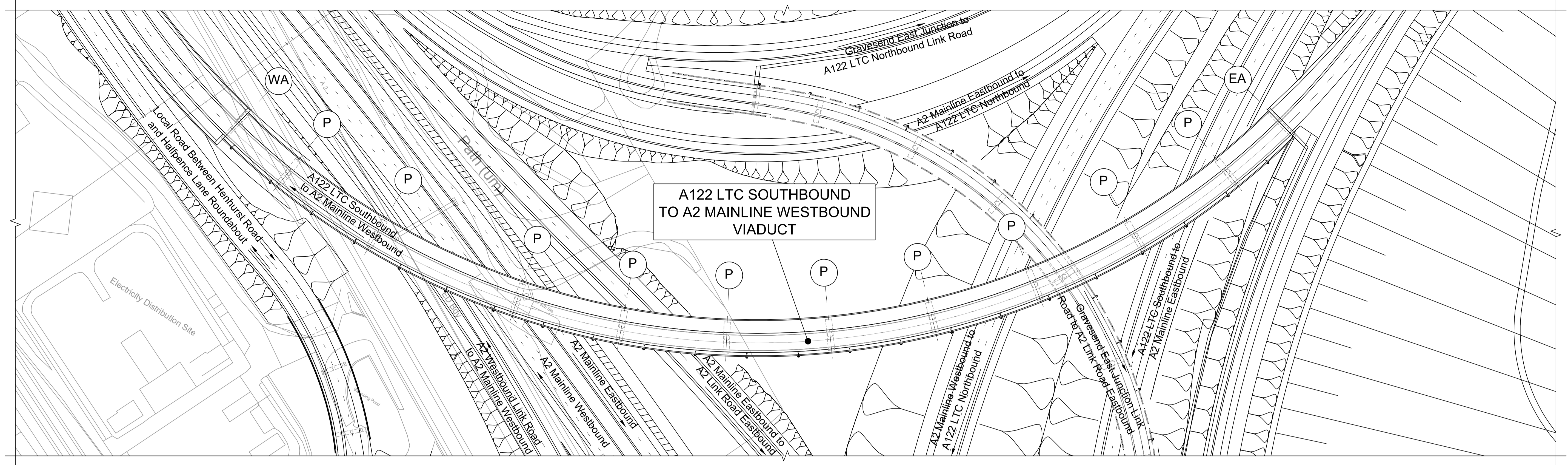
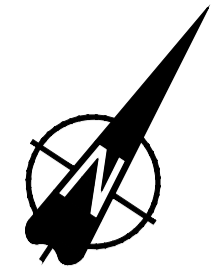


Client: **national highways**

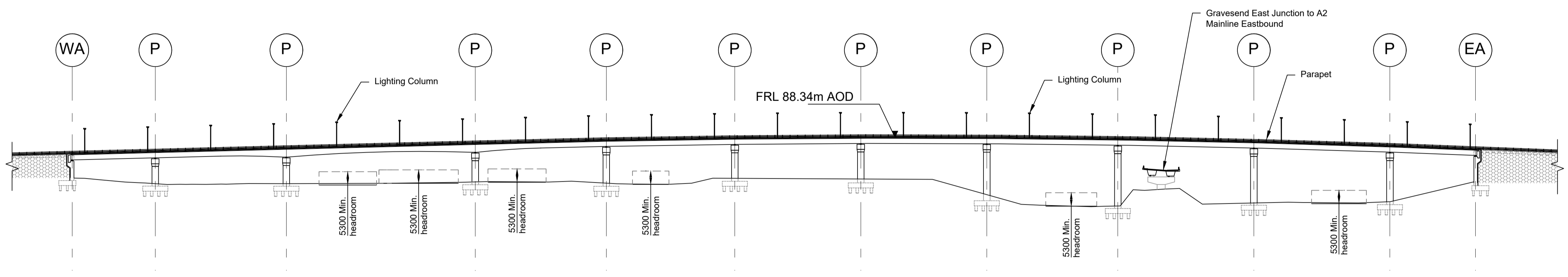
Project: **LOWER THAMES CROSSING**

Status: DCO Examination	Original Size: A1	Revision: P02
Application Document Number: TR010032/APP/2.13	Scale: AS SHOWN	
Drawing title: <b>STRUCTURES PLANS 5(2)(o) WORK NO. 21 SHEET 27</b>		
Drawing Number: HE540039-CJV-BOP-SZZ_ST000000 -DR-CB-10057		

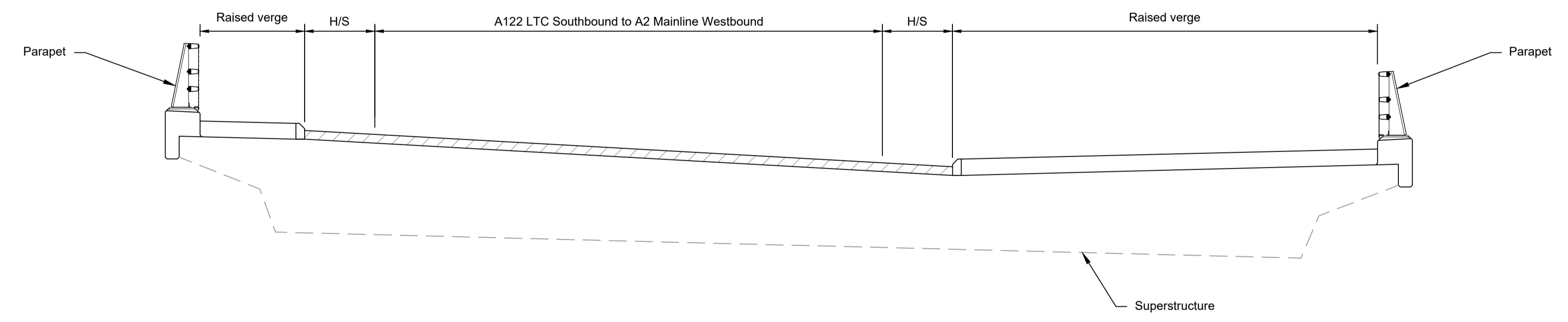




PLAN 1:1000



ELEVATION 1:1000

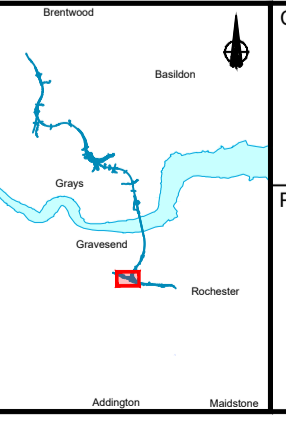
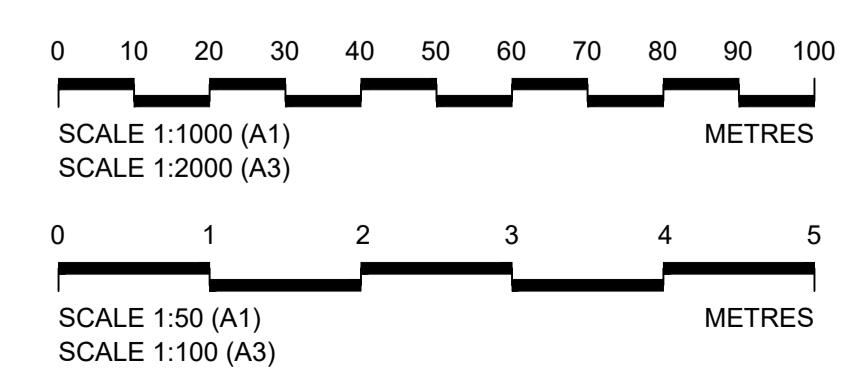


TYPICAL SECTION 1:50

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

- NOTES:
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  - 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.

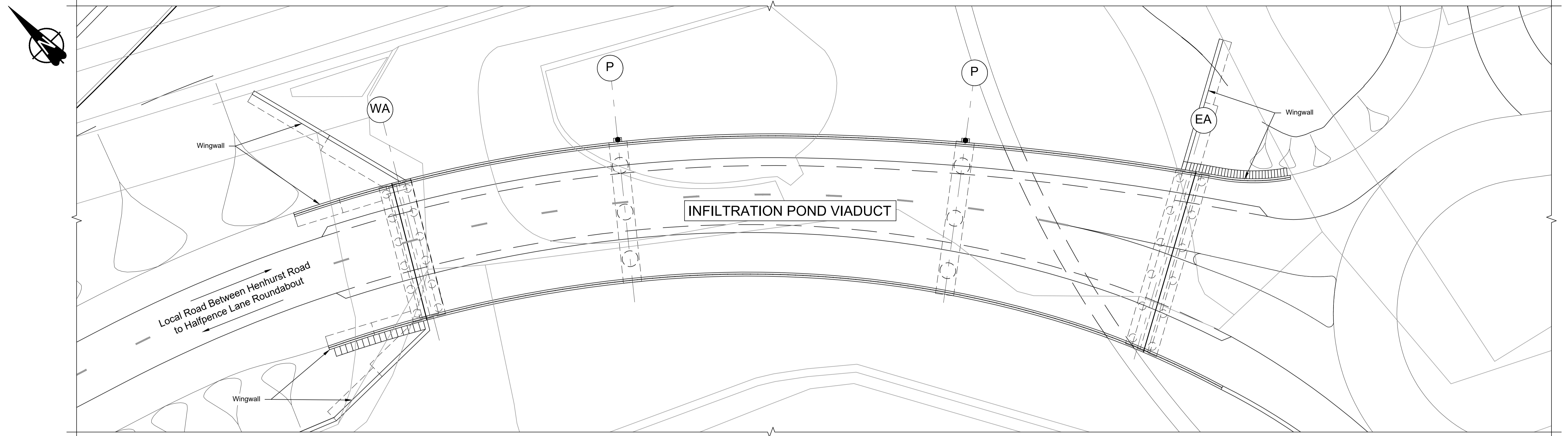


Client: **national highways**

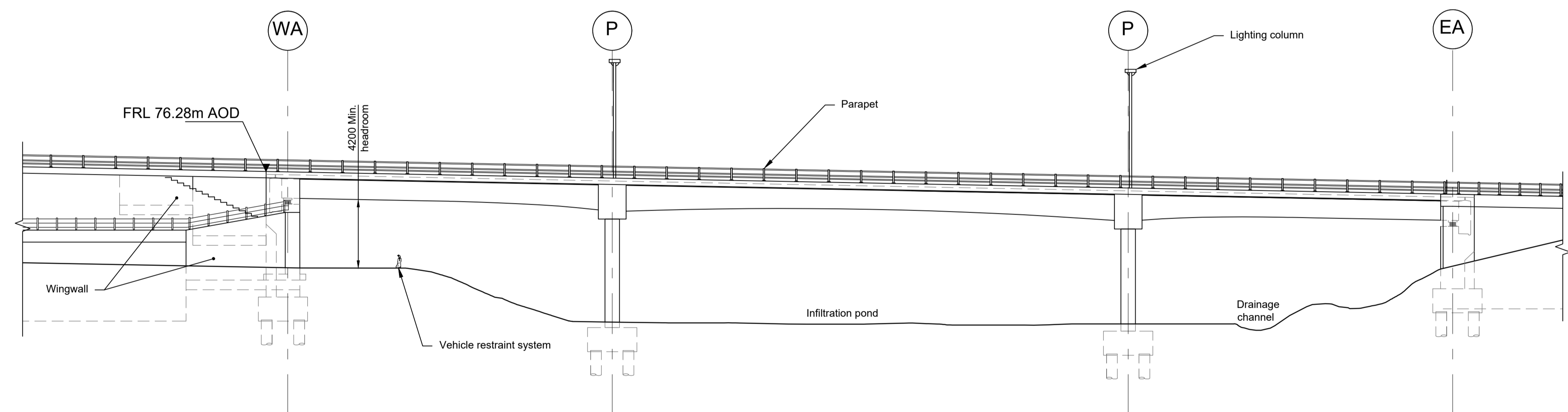
Project: **LOWER THAMES CROSSING**

Status: DCO Examination	Original Size: A1	Revision: P02
Application Document Number: TR010032/APP/2.13	Scale: AS SHOWN	
Drawing title: <b>STRUCTURES PLANS 5(2)(o)</b>		
WORK NO. 2G		
SHEET 28		
Drawing Number: HE540039-CJV-BOP-SZZ_ST000000 -DR-CB-10058		

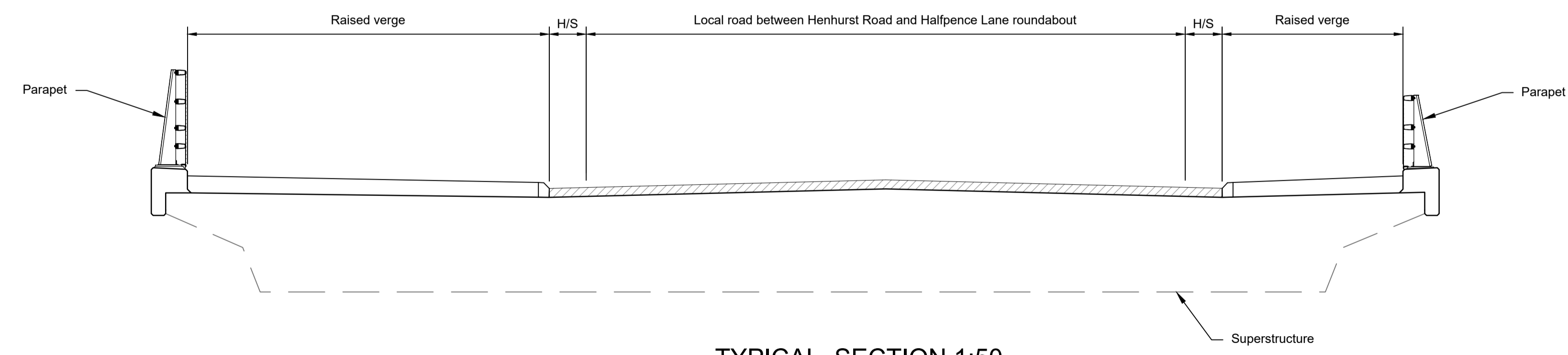




PLAN 1:250



ELEVATION 1:250



TYPICAL SECTION 1:50

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

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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. 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.					
3. Drawings show engineering earthworks only. Landscaping earthworks are shown in General Arrangements Plans (TR010032/APP/2.5).					
4. All dimensions in millimetres unless noted otherwise.					
5. All levels are in metres and relate to Ordnance datum unless stated otherwise.					
6. Works numbers are described in Schedule 1 (Authorised Development) of the Development Consent Order (TR010032/APP/3.1).					
7. The Highways design is shown in the Engineering Section and Drawings (TR010032/APP/2.9).					
8. Full length of piles not shown.					
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd
P01	SB	19/10/2022	DCO Application	PG1	BB ASB
P02	SB	11/12/2023	Deadline 9	GP	RO ASB

Scale bars and project information:

- Scale 1:250 (A1): 0, 5, 10, 15, 20 METRES
- Scale 1:500 (A3): 0, 1, 2, 3, 4, 5 METRES
- Scale 1:50 (A1): 0, 1, 2, 3, 4, 5 METRES
- Scale 1:100 (A3): 0, 1, 2, 3, 4, 5 METRES

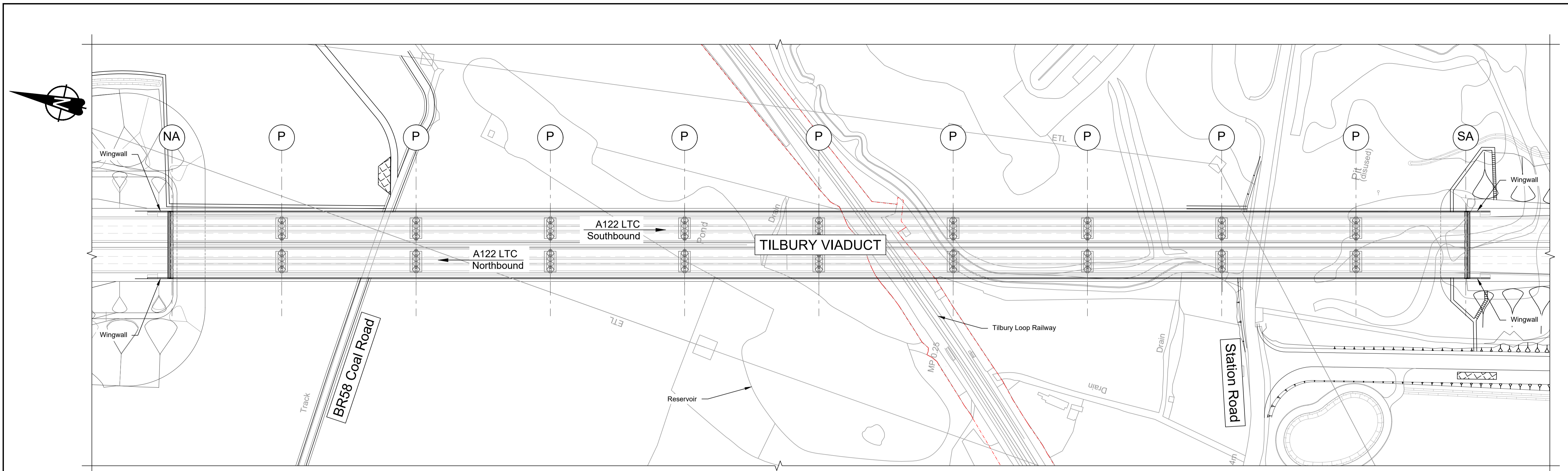
Client: national highways

Project: LOWER THAMES CROSSING

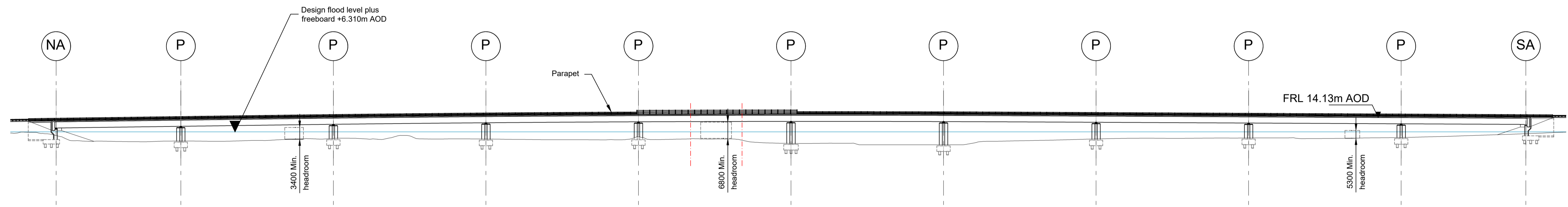
Project location map showing the Lower Thames Crossing area.

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	STRUCTURES PLANS 5(2)(o) WORK NO. 2E SHEET 29				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10059				

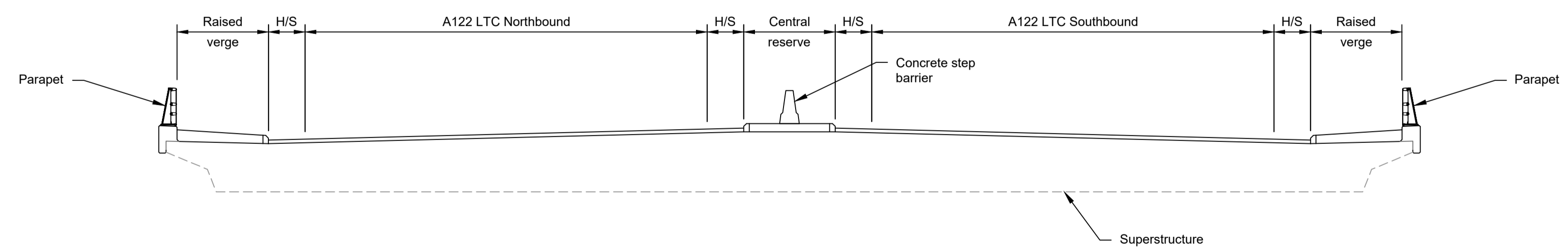




PLAN 1:1000



ELEVATION 1:1000

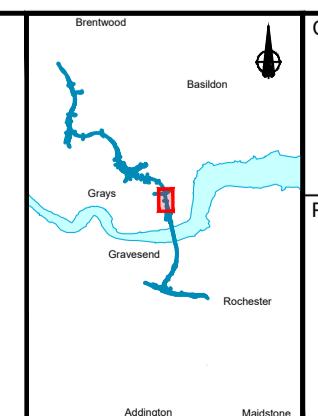
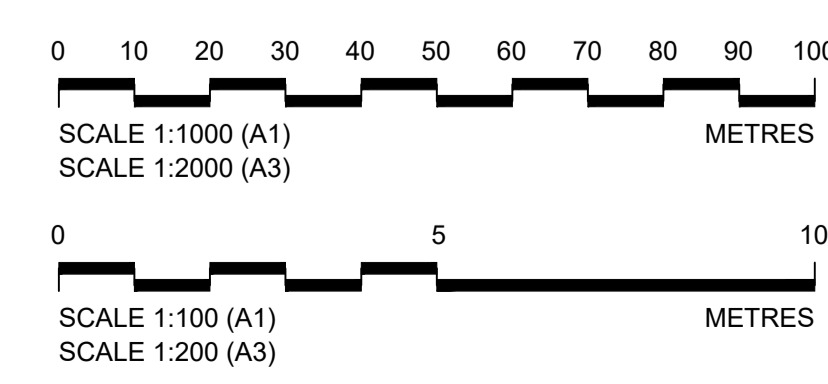


TYPICAL SECTION 1:100

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

- 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.

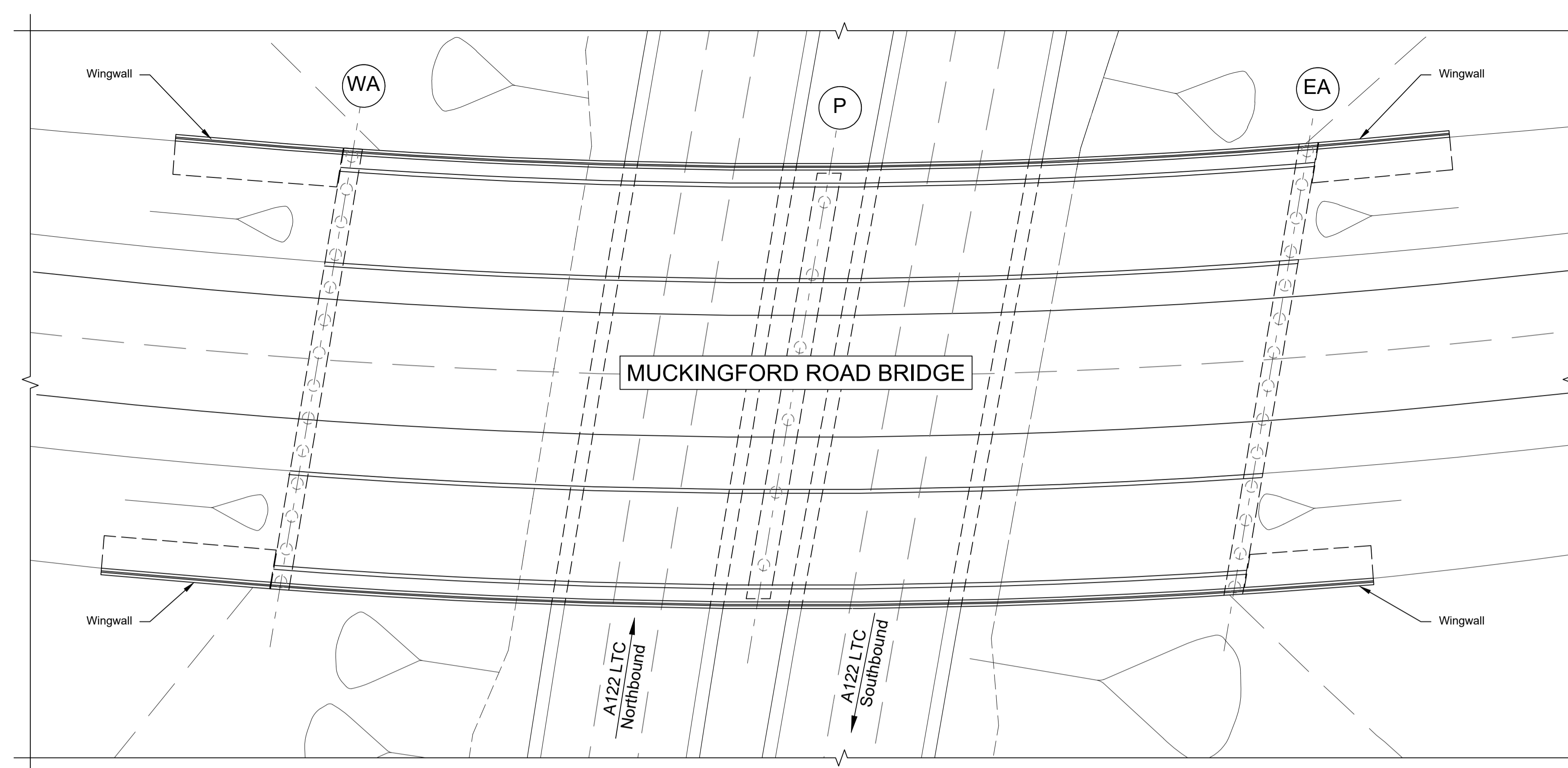
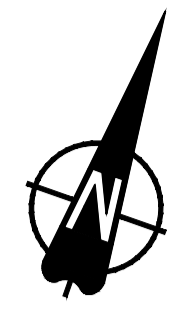


Client: national highways

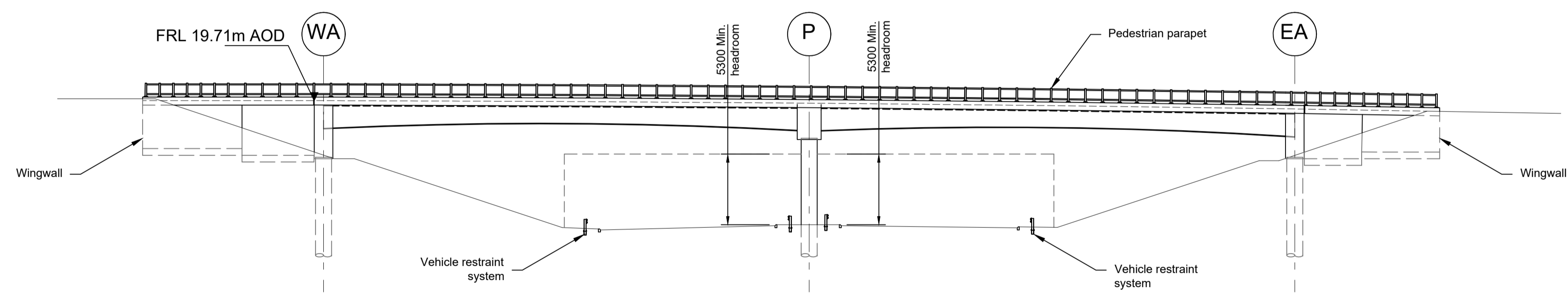
Project: LOWER THAMES CROSSING

Status: DCO Examination	Original Size: A1	Revision: P02
Application Document Number: TR010032/APP/2.13	Scale: AS SHOWN	
Drawing title: STRUCTURES PLANS 5(2)(o) WORK NO. 5C SHEET 30		
Drawing Number: HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10060		

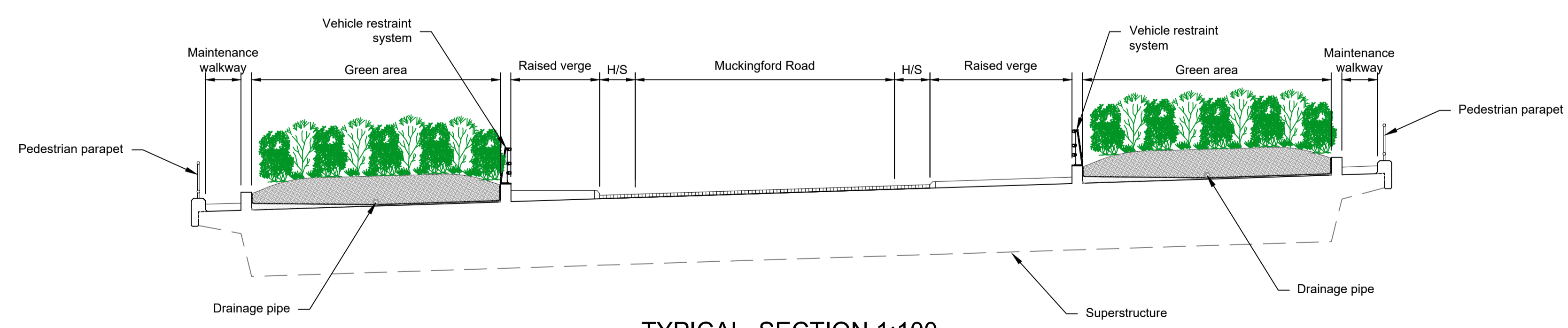




PLAN 1:250



ELEVATION 1:250

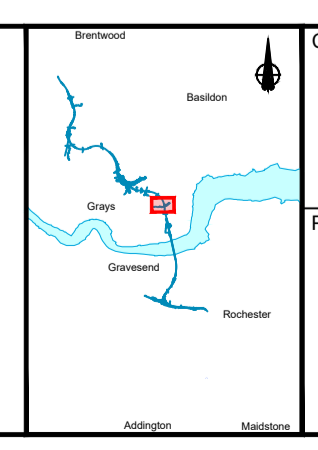
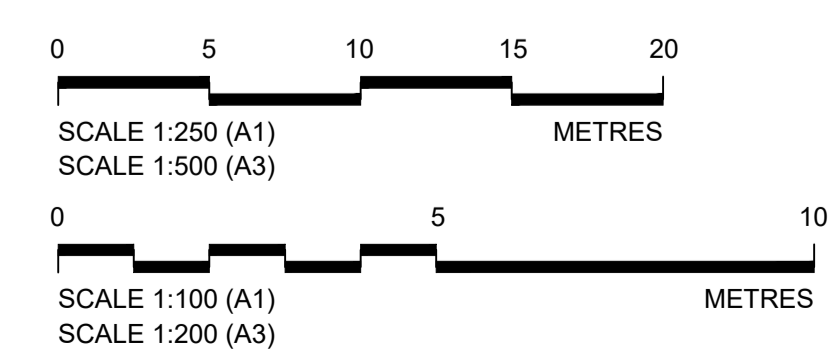


TYPICAL SECTION 1:100

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

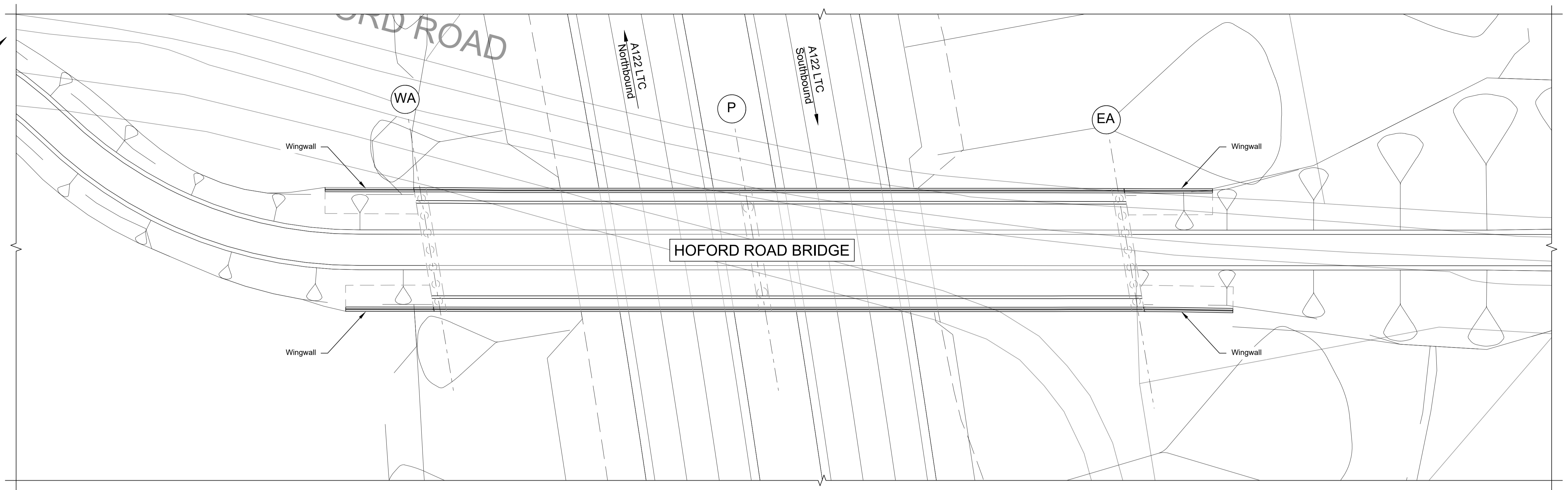
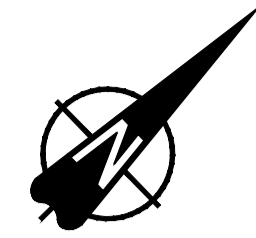
- NOTES:**
- The design and location of the structure is shown here for illustrative purposes only and will be subject to detailed design development in accordance with the provisions of the Development Consent Order (TR010032/APP/2.1).
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  - Full length of piles not shown.



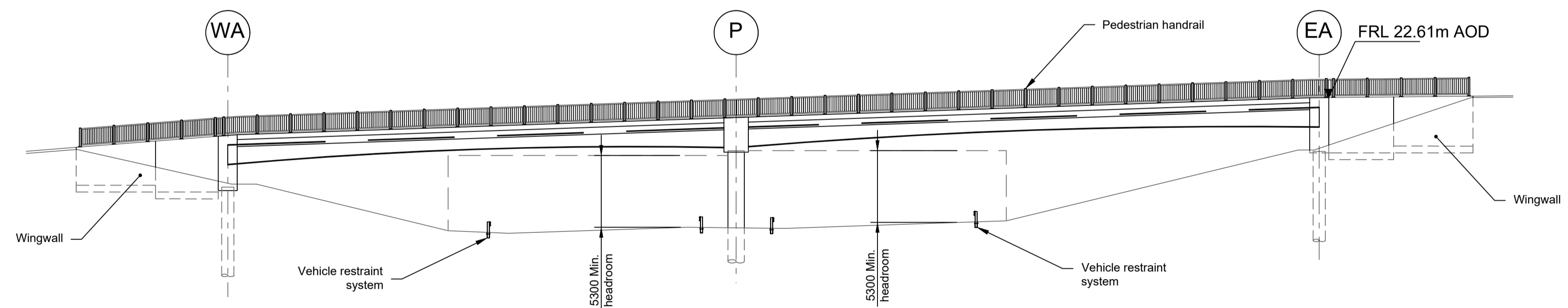
Client: **national highways**

Project: **LOWER THAMES CROSSING**

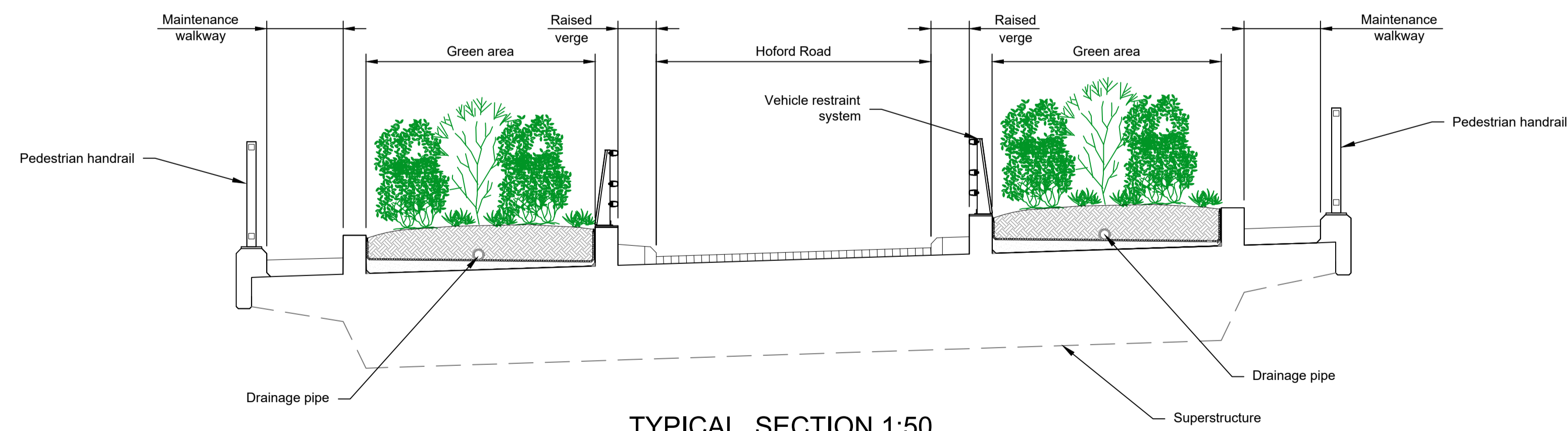
Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o)</b>				
	<b>WORK NO. 6B</b>				
	<b>SHEET 31</b>				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10061				



PLAN 1:250



ELEVATION 1:250

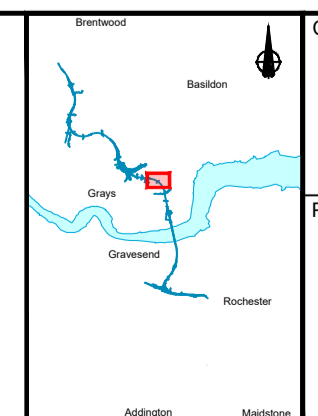
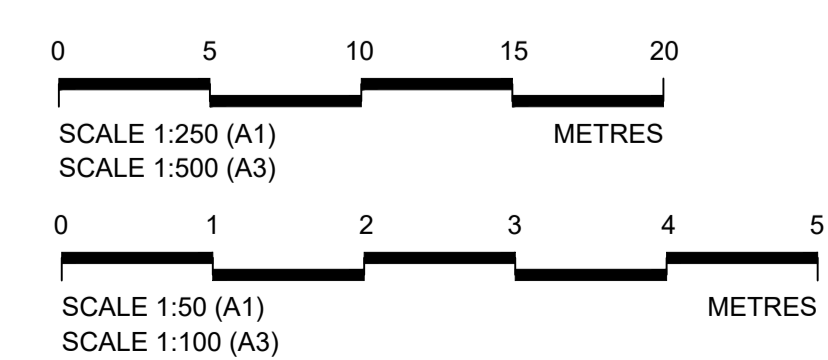


TYPICAL SECTION 1:50

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

- NOTES:
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  - Full length of piles not shown.

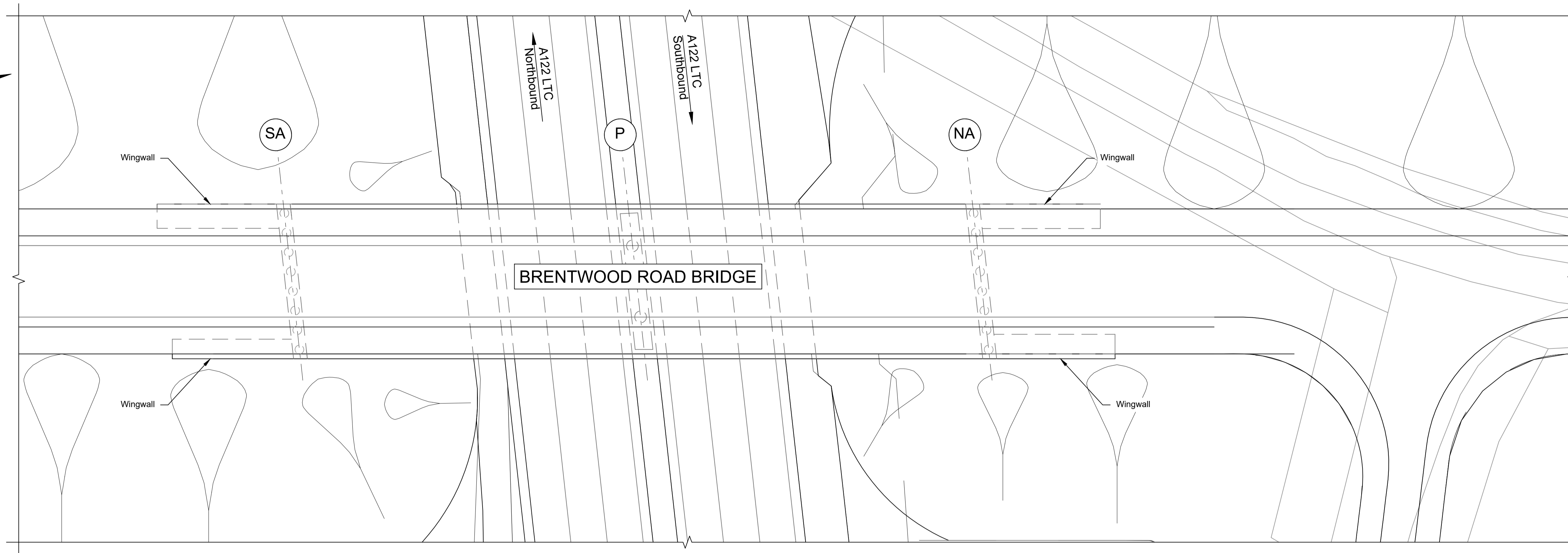


Client: **national highways**

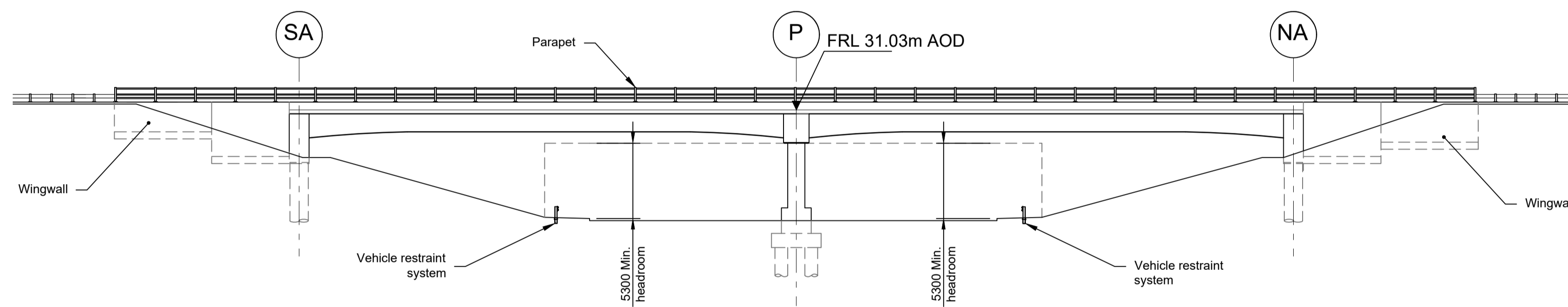
Project: **LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o)</b>				
	<b>WORK NO. 6C</b>				
	<b>SHEET 32</b>				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10062				

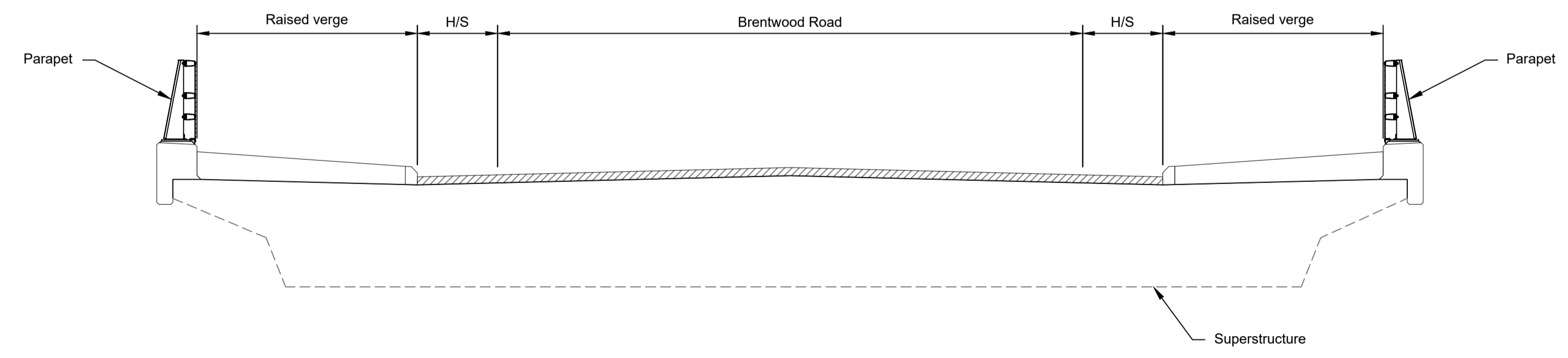




PLAN 1:250



ELEVATION 1:250

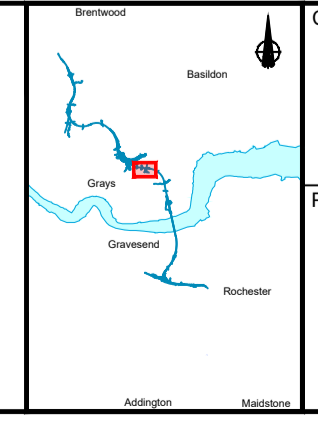
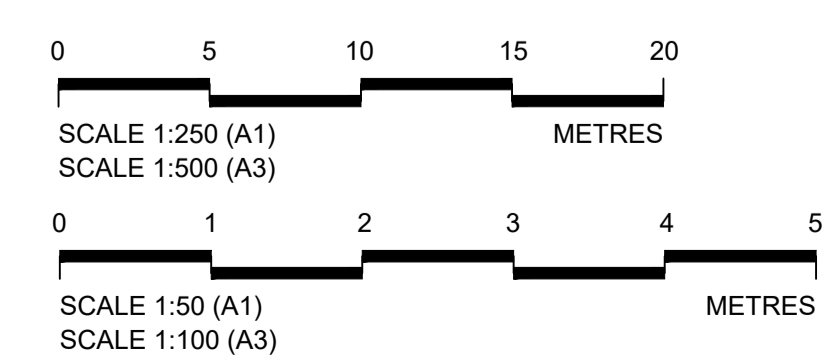


TYPICAL SECTION 1:50

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

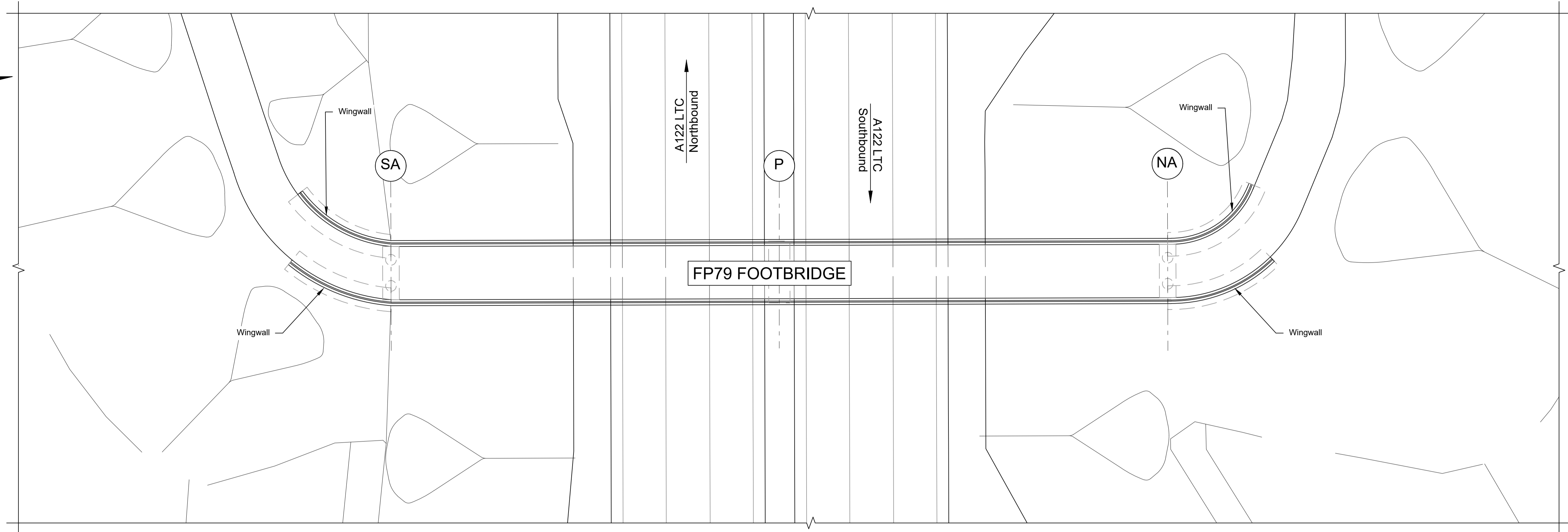
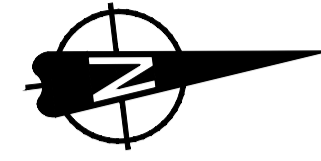
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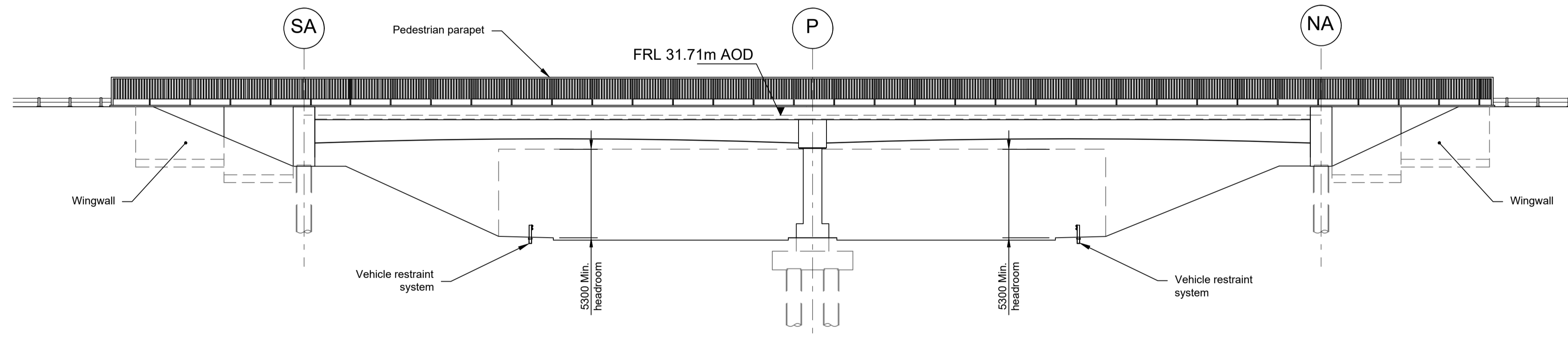
Client: **national highways**

Project: **LOWER THAMES CROSSING**

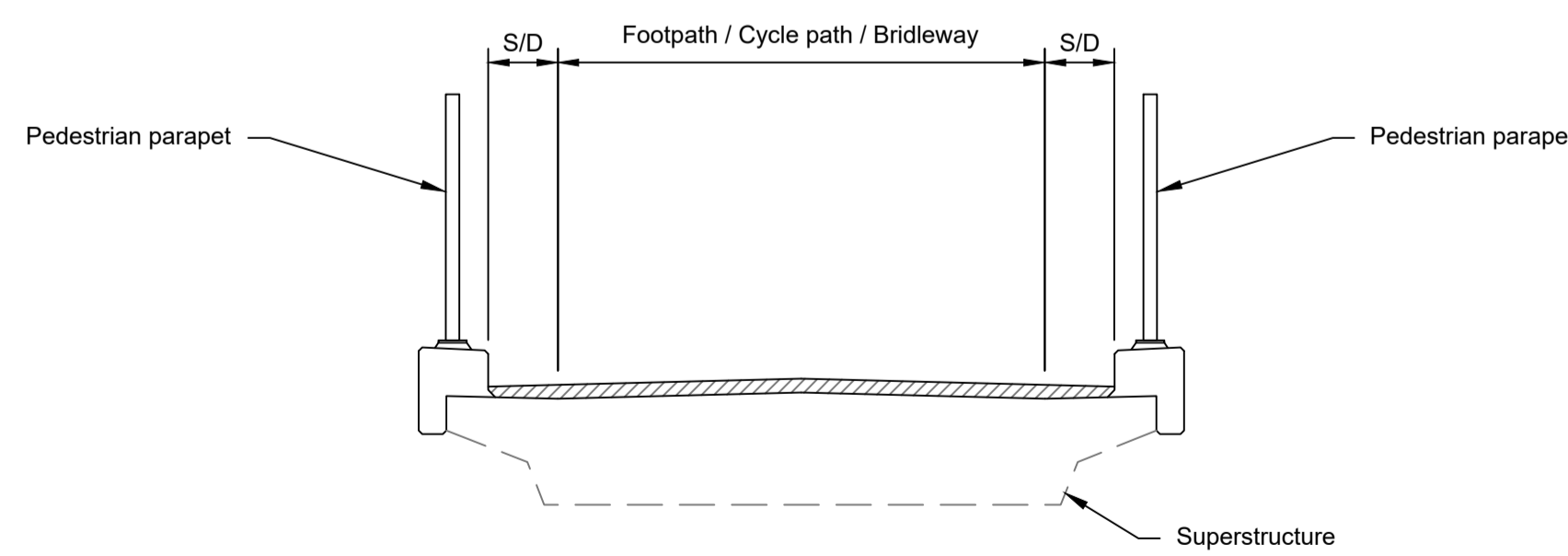
Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o)</b>				
	<b>WORK NO. 6D</b>				
	<b>SHEET 33</b>				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10063				



PLAN 1:200



ELEVATION 1:200

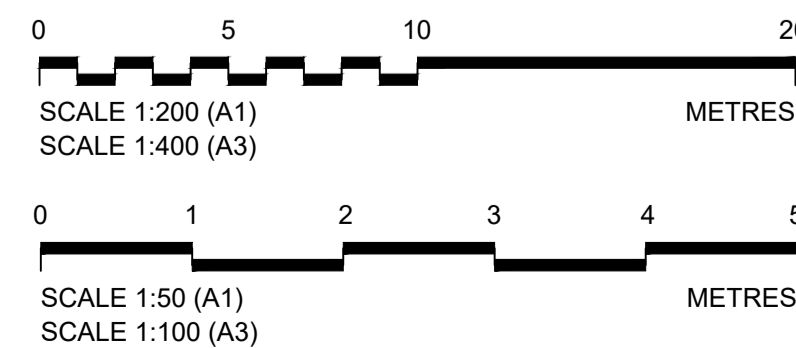


TYPICAL SECTION 1:50

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

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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd			
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB			
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB			

- NOTES:
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  - Full length of piles not shown.

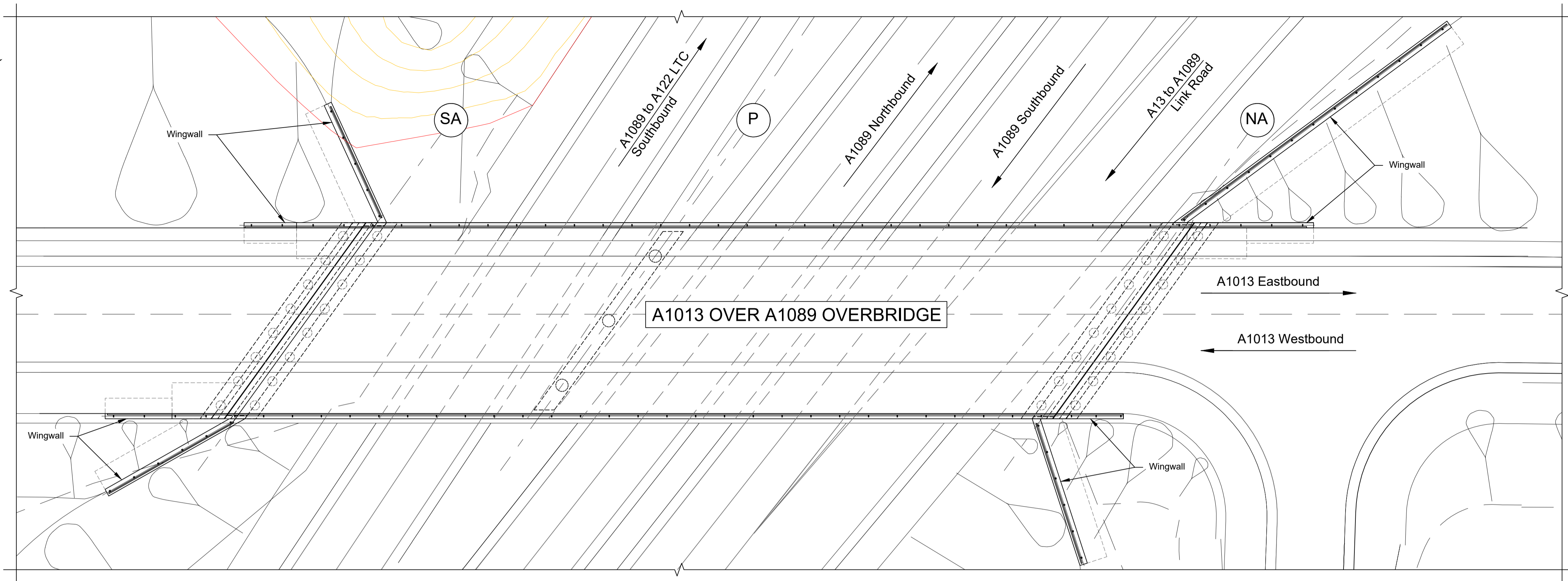
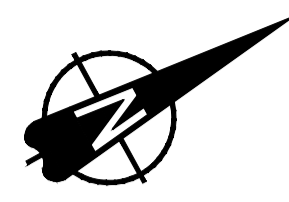


Client: **national highways**

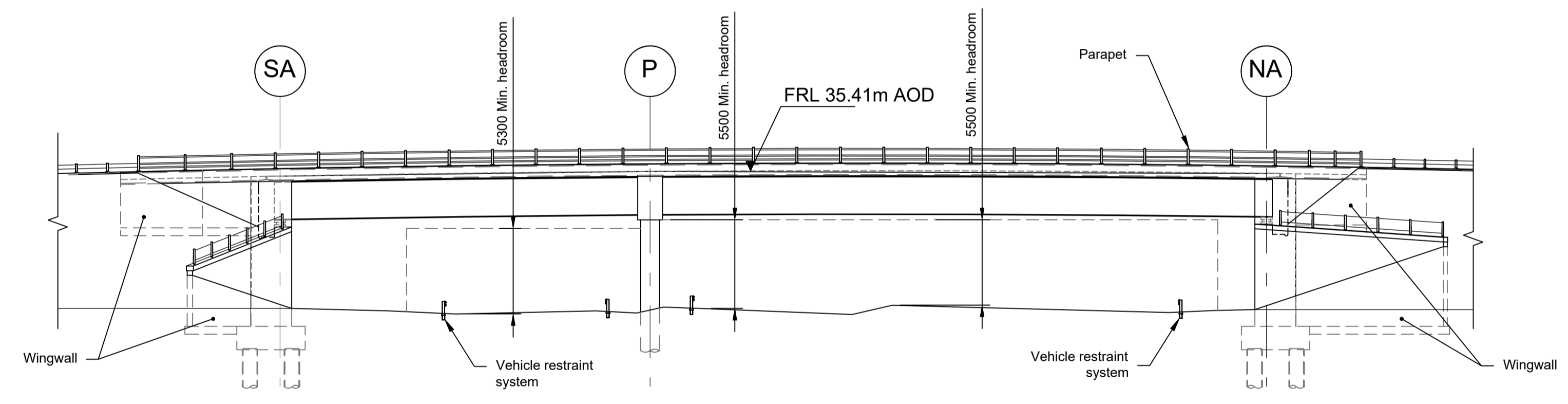
Project: **LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o)</b>				
	<b>WORK NO. 7B</b>				
	<b>SHEET 34</b>				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10064				

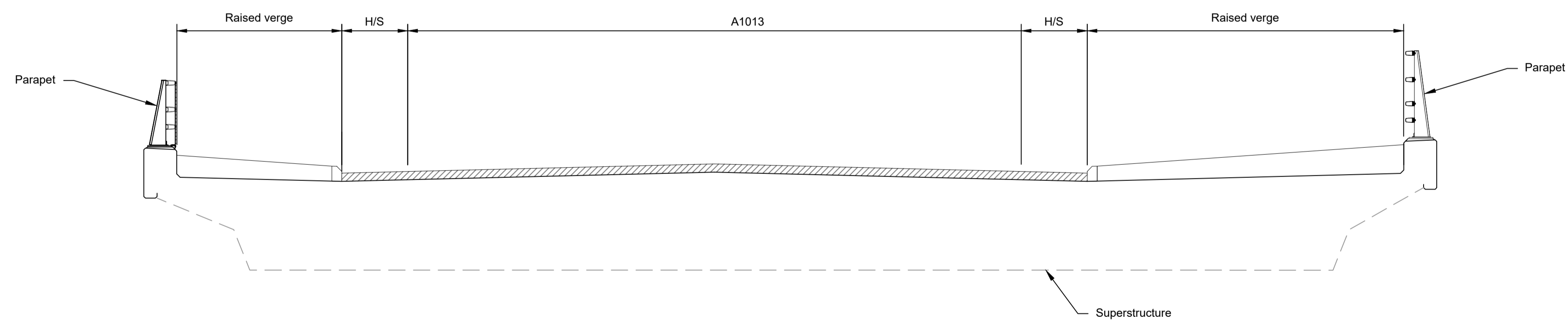




PLAN 1:250



ELEVATION 1:250

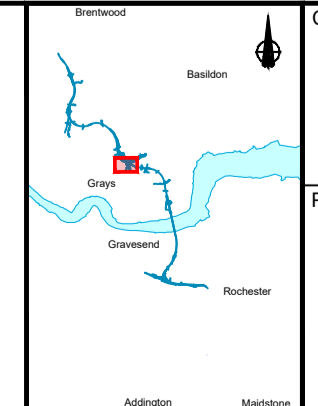
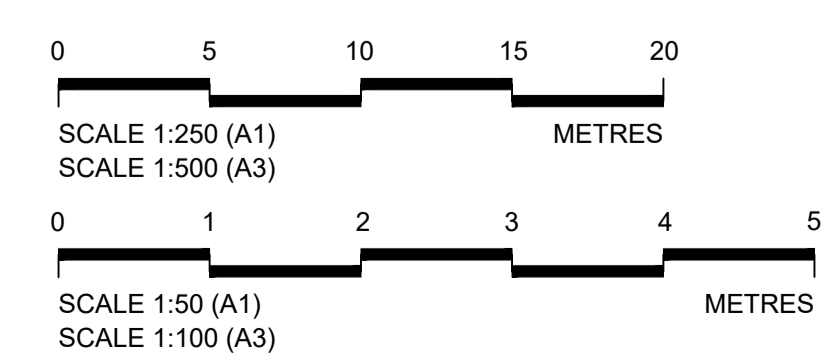


TYPICAL SECTION 1:50

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

- NOTES:
- 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 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/3.1).
  - The Highways design is shown in the Engineering Section and Drawings (TR010032/APP/2.9).
  - Full length of piles not shown.

Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

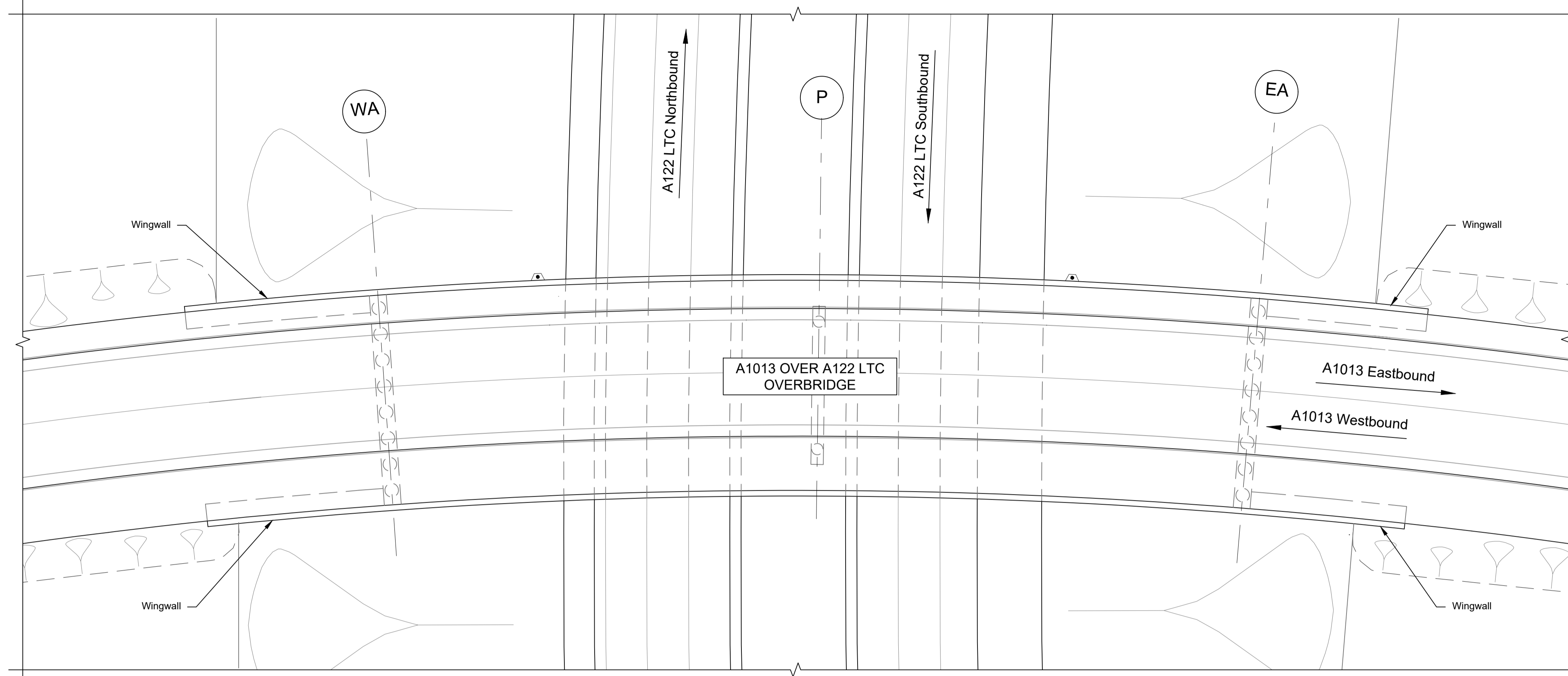
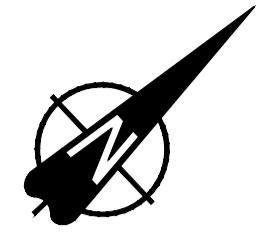


Client: **national highways**

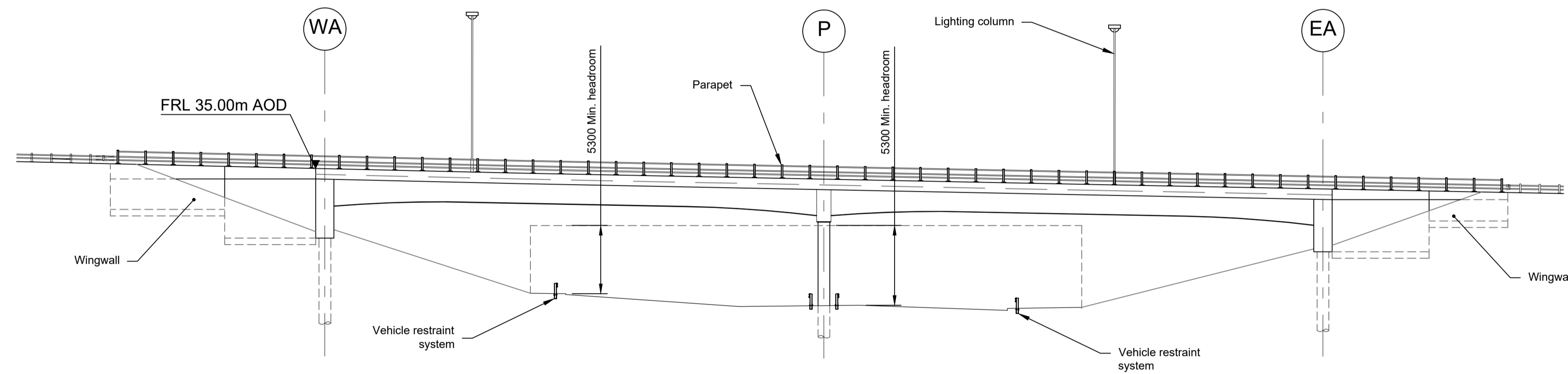
Project: **LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o)</b>				
	<b>WORK NO. 7D</b>				
	<b>SHEET 35</b>				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10065				

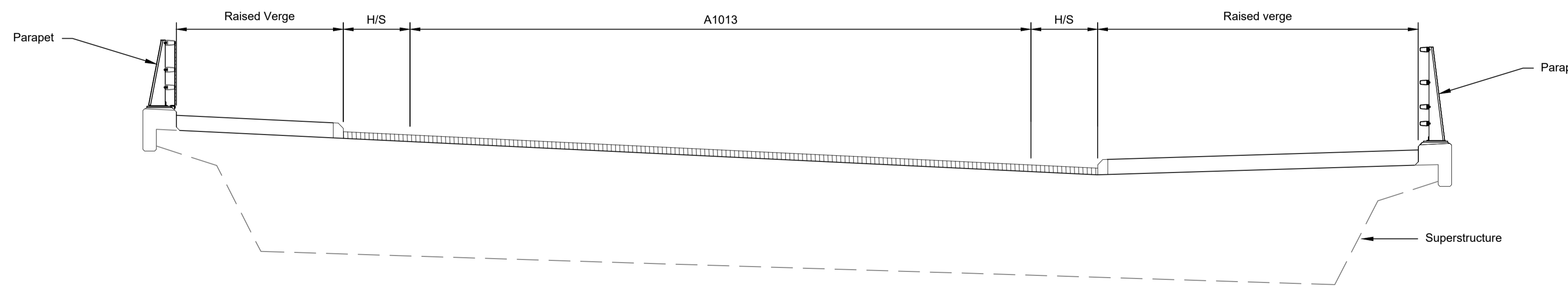




PLAN 1:250



ELEVATION 1:250



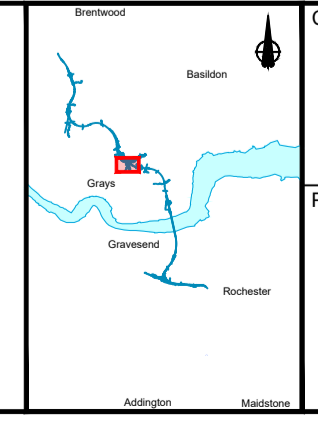
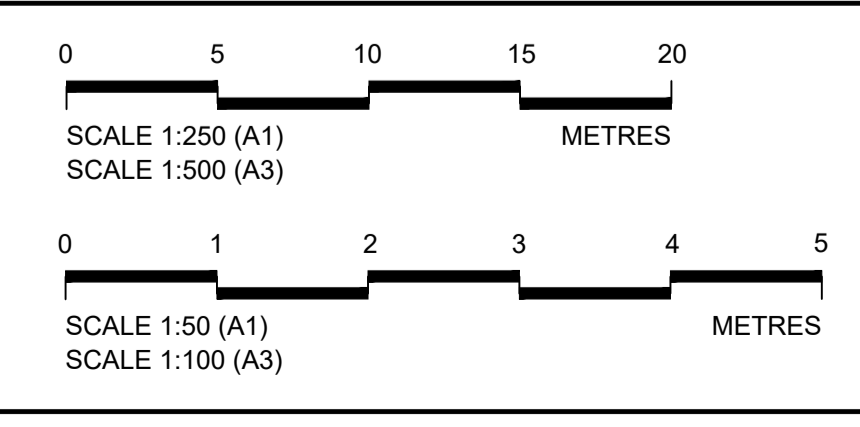
TYPICAL SECTION 1:50

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

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).
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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/2.1).
- The Highways design is shown in the Engineering Section and Drawings (TR010032/APP/2.9).
- Full length of piles not shown.

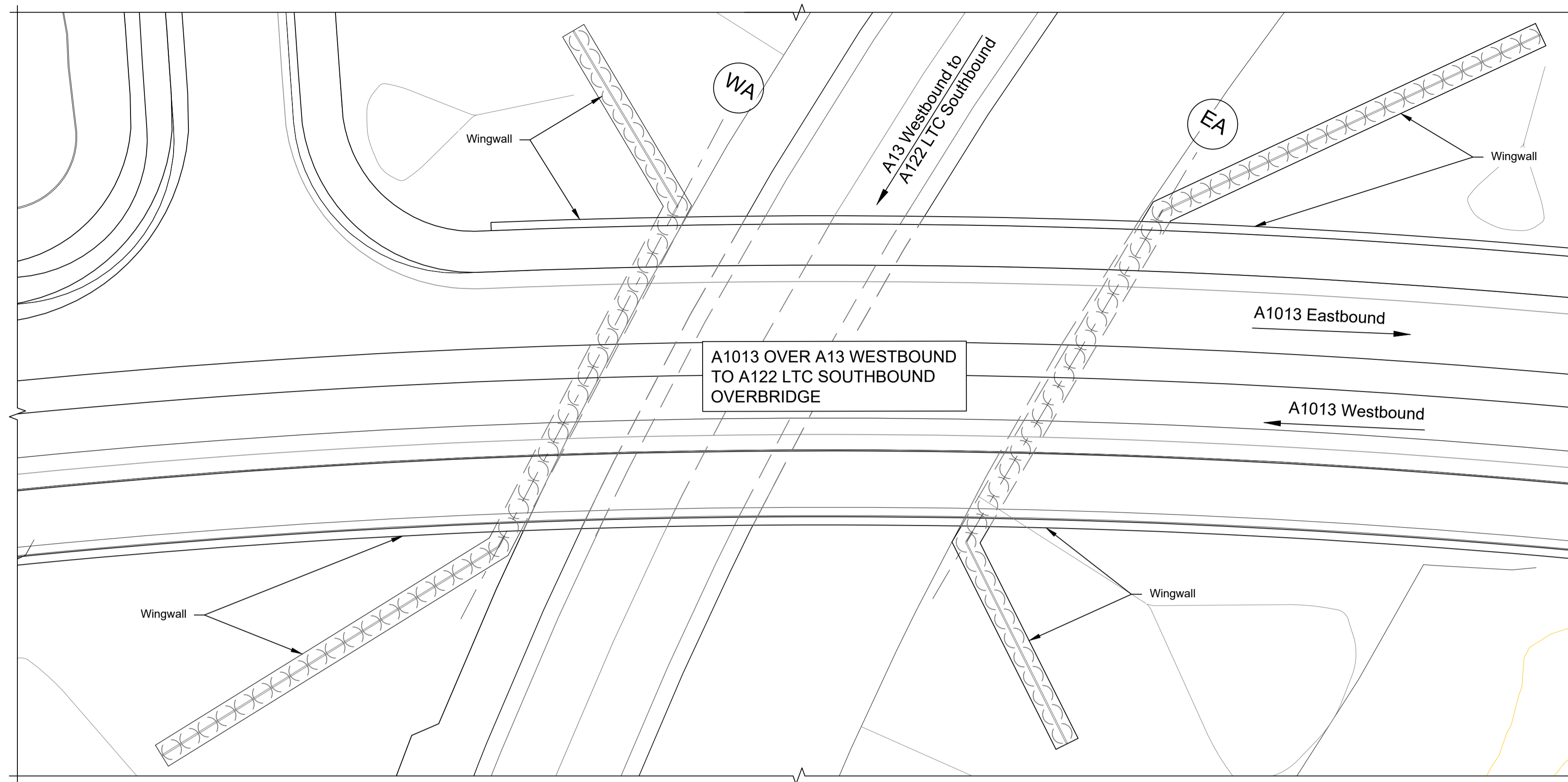
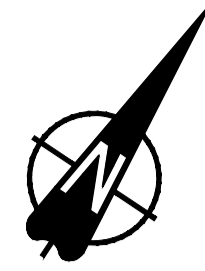
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	18/07/2023	Deadline 1	GP	BB	ASB
P03	S8	11/12/2023	Deadline 9	GP	RO	ASB



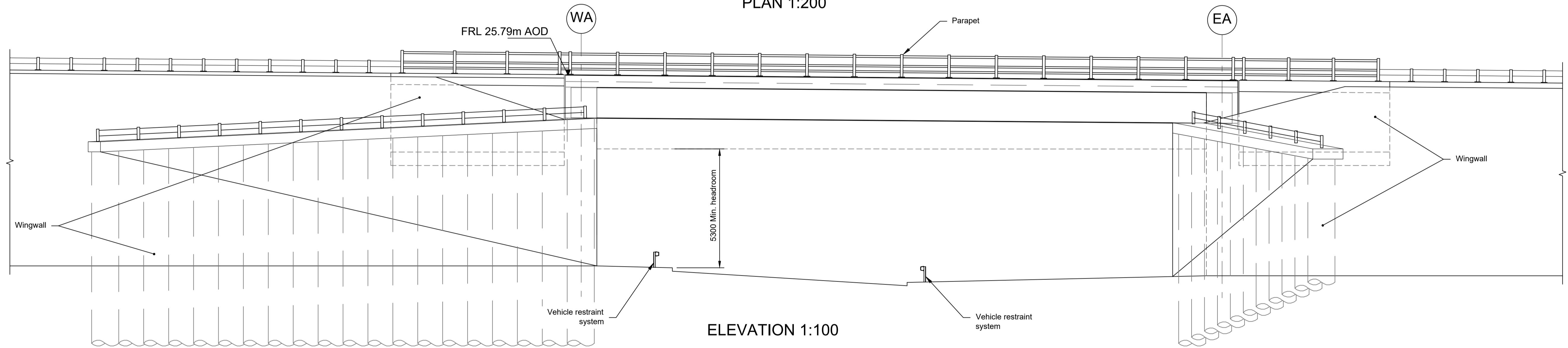
Client: **national highways**

Project: **LOWER THAMES CROSSING**

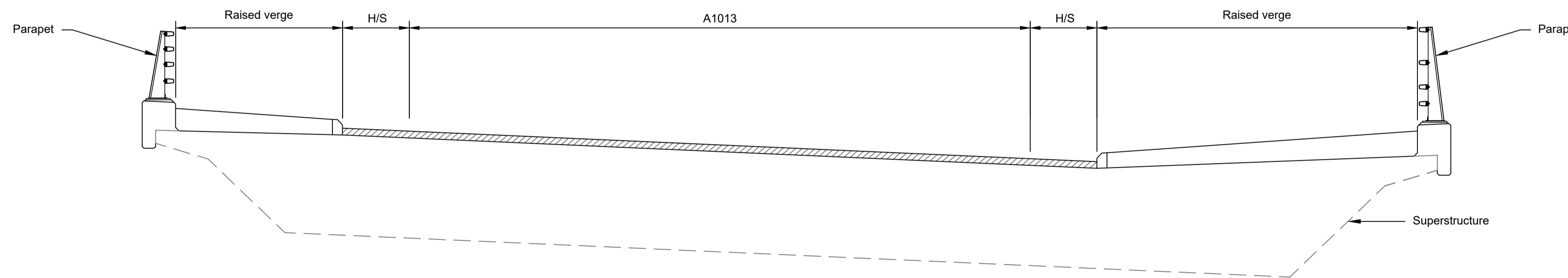
Status: DCO Examination	Original Size: A1	Revision: P03
Application Document Number: TR010032/APP/2.13	Scale: AS SHOWN	
Drawing title: <b>STRUCTURES PLANS 5(2)(o)</b>		
WORK NO. 7D		
SHEET 36		
Drawing Number: HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10066		



PLAN 1:200



ELEVATION 1:100

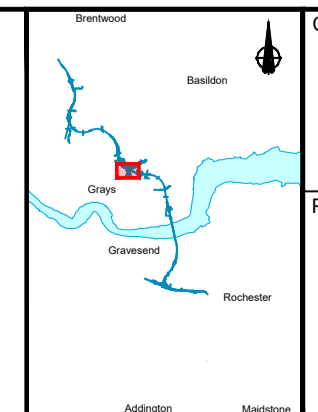
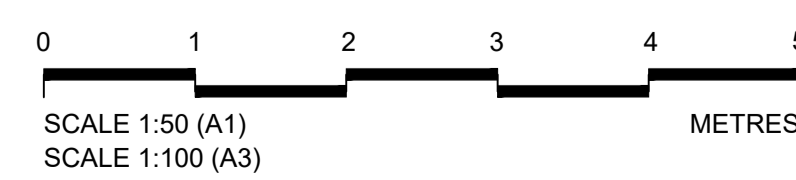
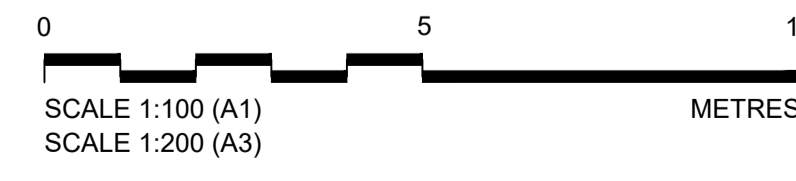
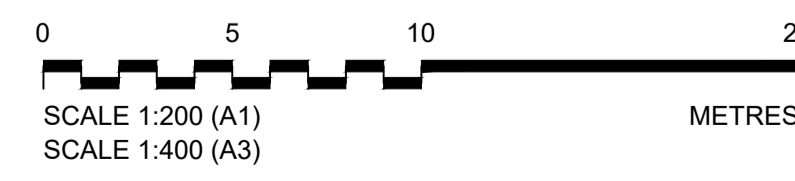


TYPICAL SECTION 1:50

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

- 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.



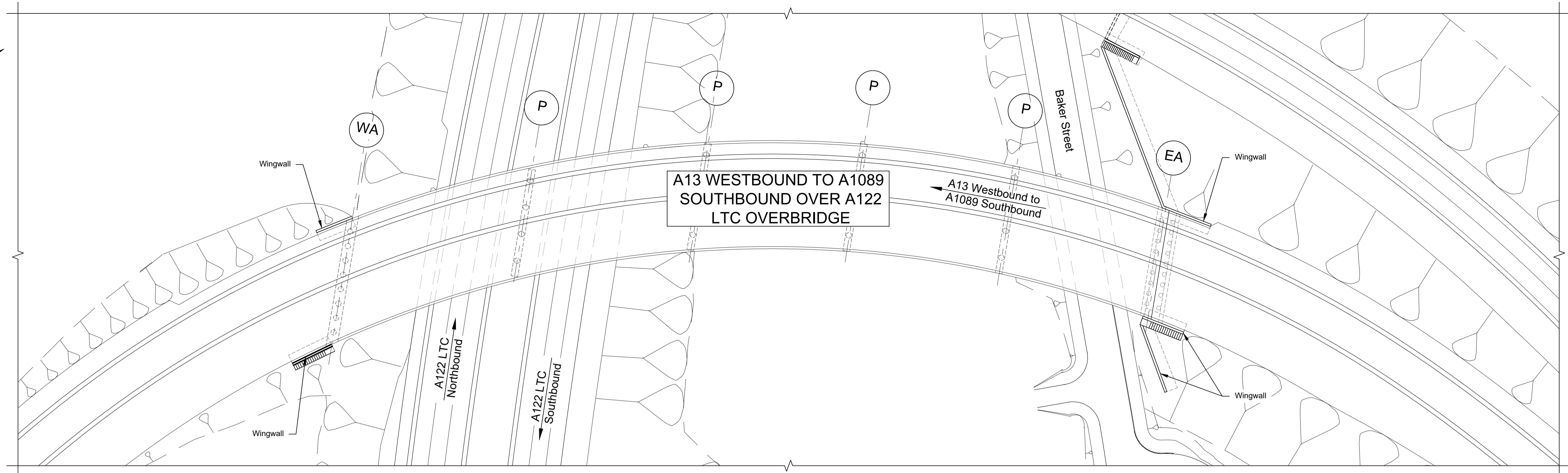
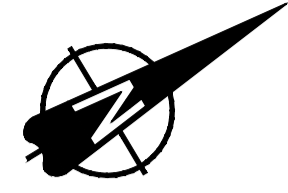
Client

Project

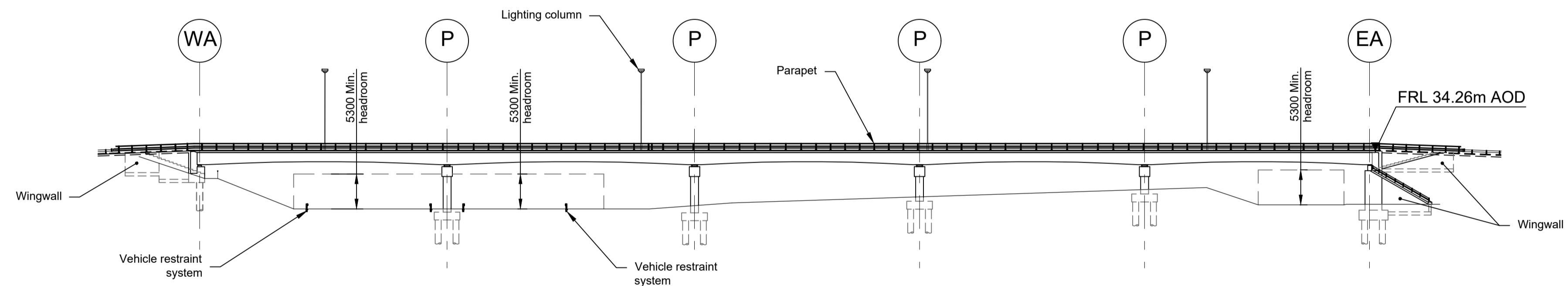
**LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	Revision
Application Document Number	TR010032/APP/2.13	A1	P02
Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o)</b>		
	<b>WORK NO. 7D</b>		
	<b>SHEET 37</b>		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10067		

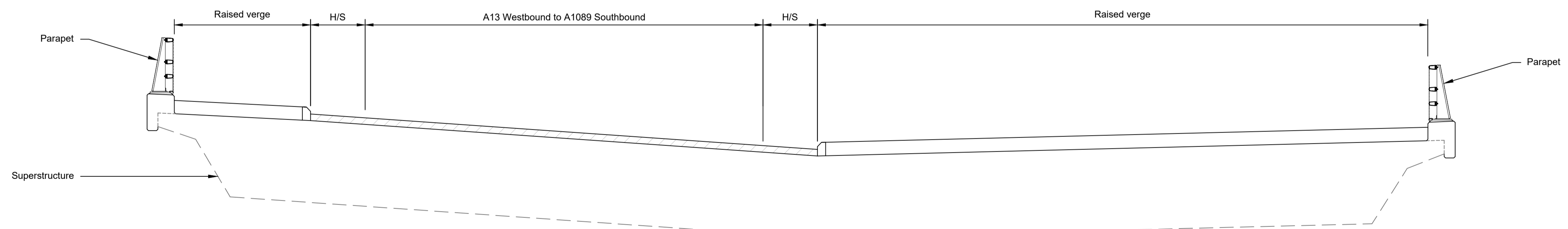




PLAN 1:500



ELEVATION 1:500

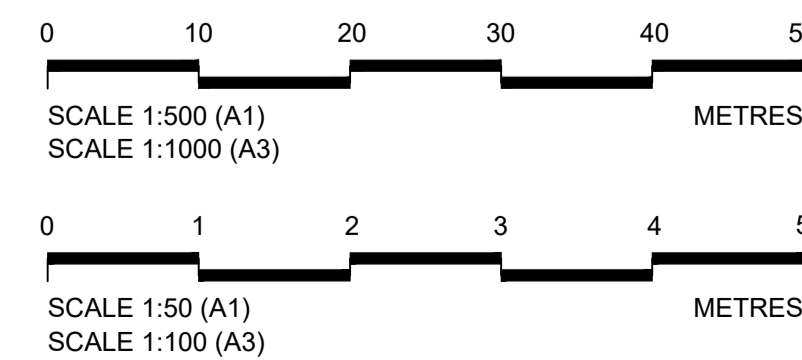


TYPICAL SECTION 1:50

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

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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

- 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.
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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/2.1).
  - The Highways design is shown in the Engineering Section and Drawings (TR010032/APP/2.9).
  - Full length of piles not shown.

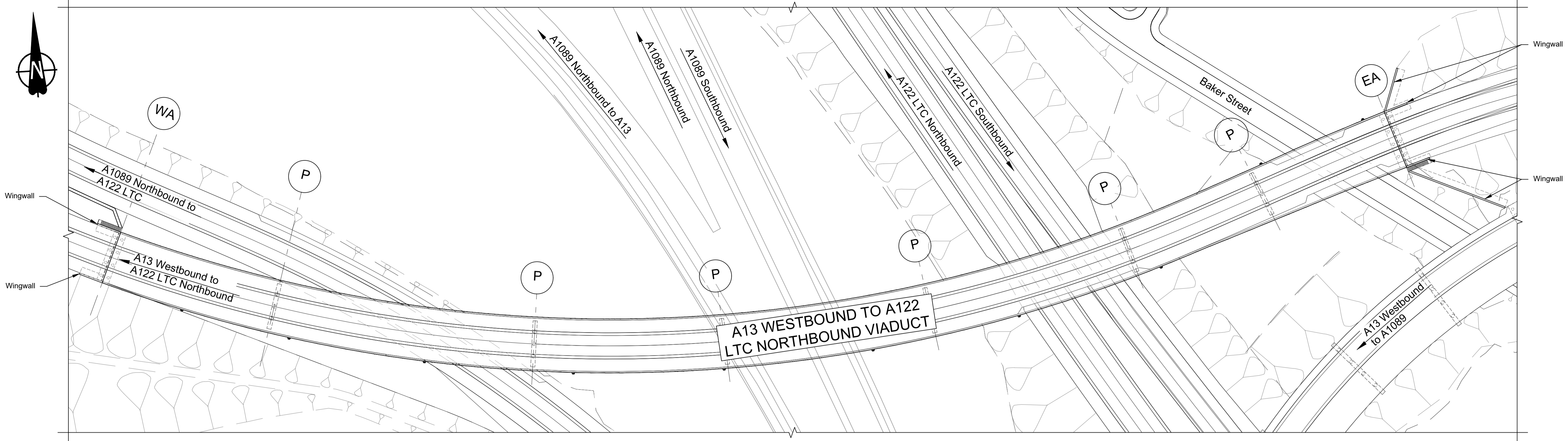


Client: **national highways**

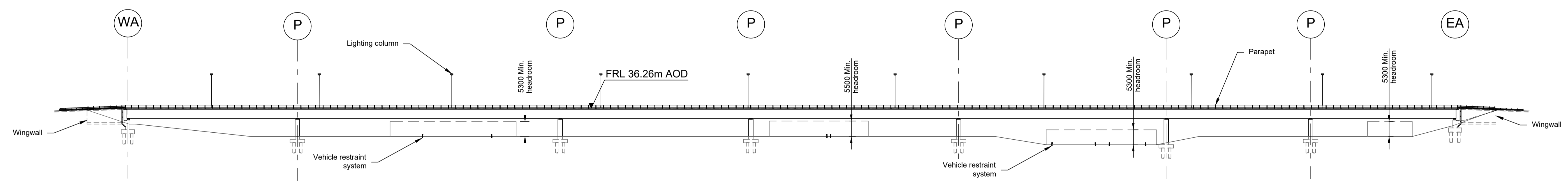
Project: **LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o)</b>				
	<b>WORK NO. 7E</b>				
	<b>SHEET 38</b>				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10068				

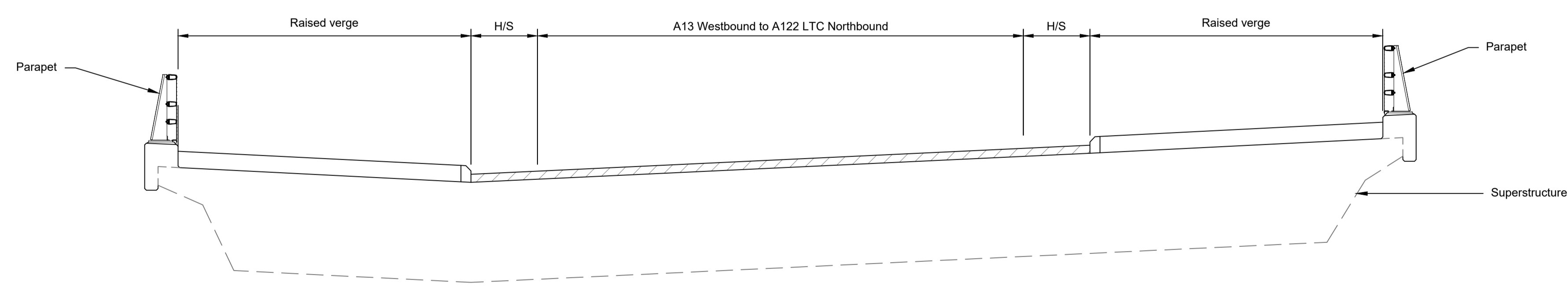




PLAN 1:750



ELEVATION 1:750

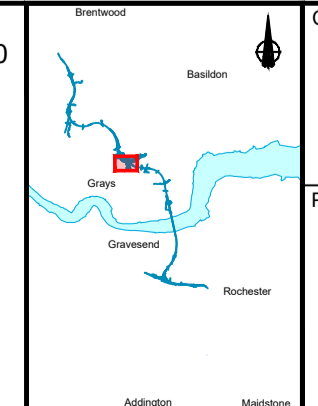
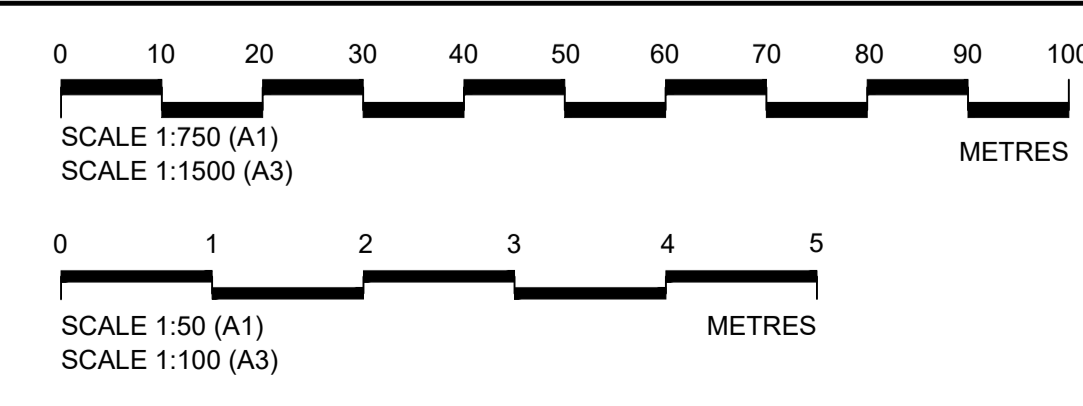


TYPICAL SECTION 1:50

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.

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

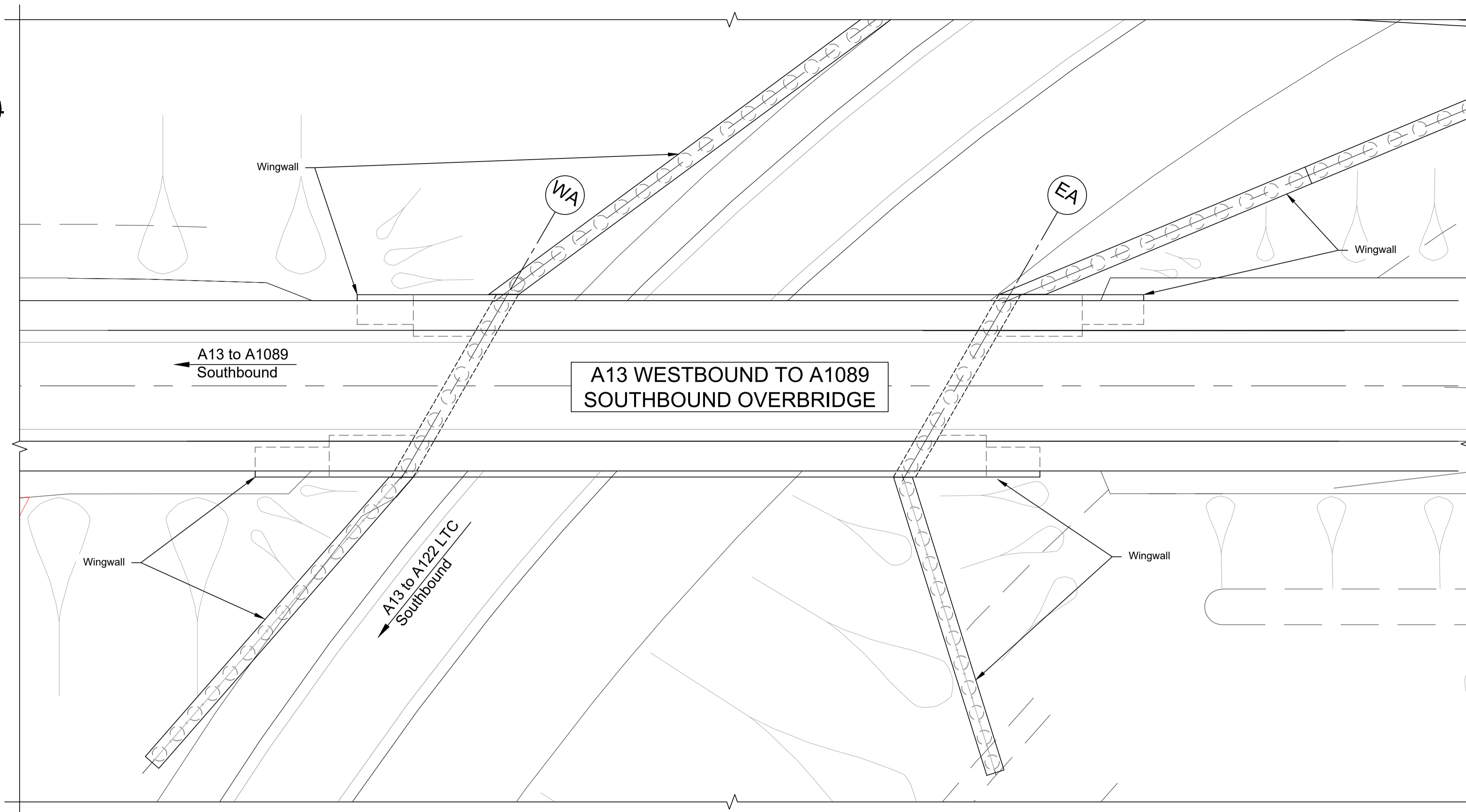


Client: **national highways**

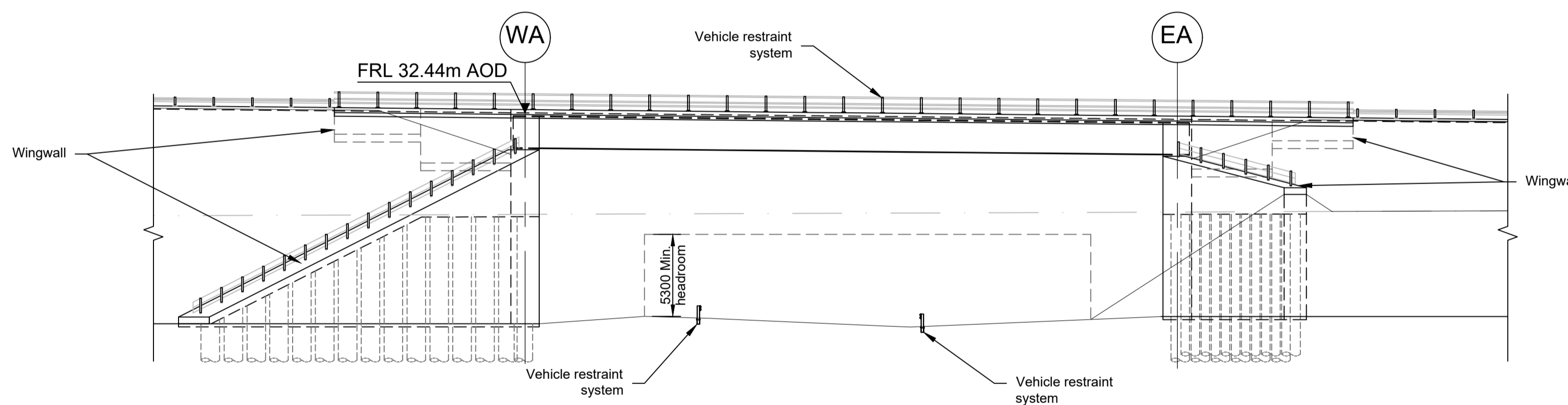
Project: **LOWER THAMES CROSSING**

Status: DCO Examination	Original Size: A1	Revision: P02
Application Document Number: TR010032/APP/2.13	Scale: AS SHOWN	
Drawing title: <b>STRUCTURES PLANS 5(2)(o) WORK NO. 7E SHEET 39</b>		
Drawing Number: HE540039-CJV-BOP-SZZ_ST000000 -DR-CB-10069		

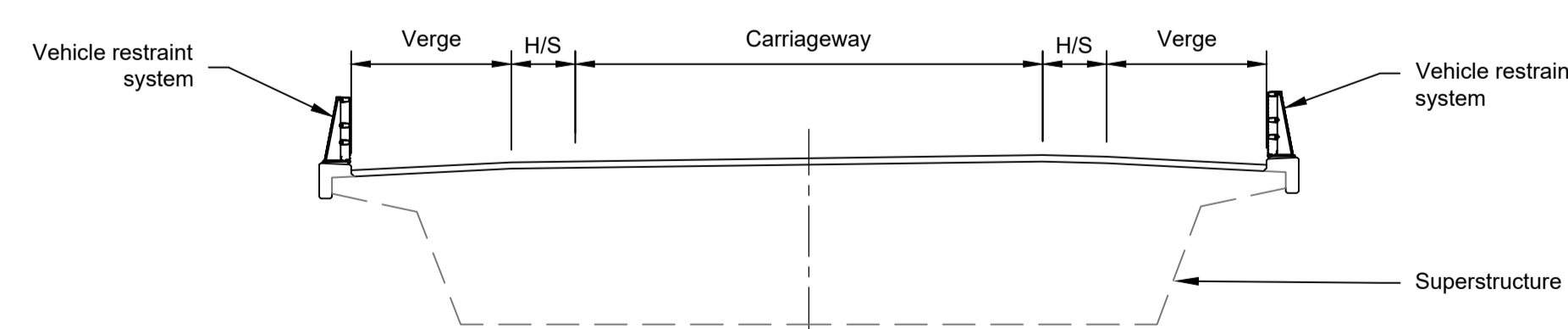




PLAN 1:250



ELEVATION 1:250

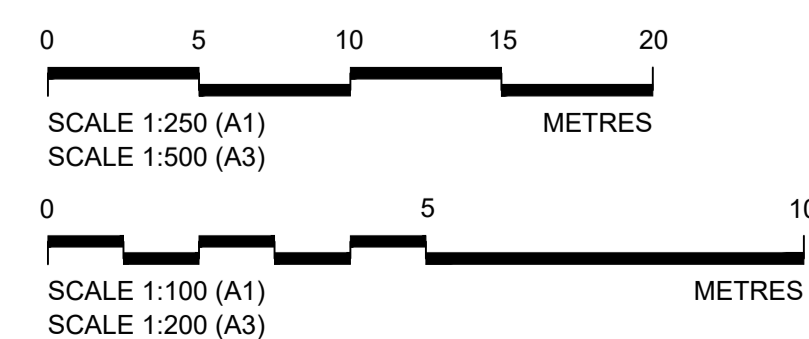


TYPICAL SECTION 1:100

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	18/07/2023	Deadline 1	GP	BB	ASB
P03	S8	11/12/2023	Deadline 9	GP	RO	ASB

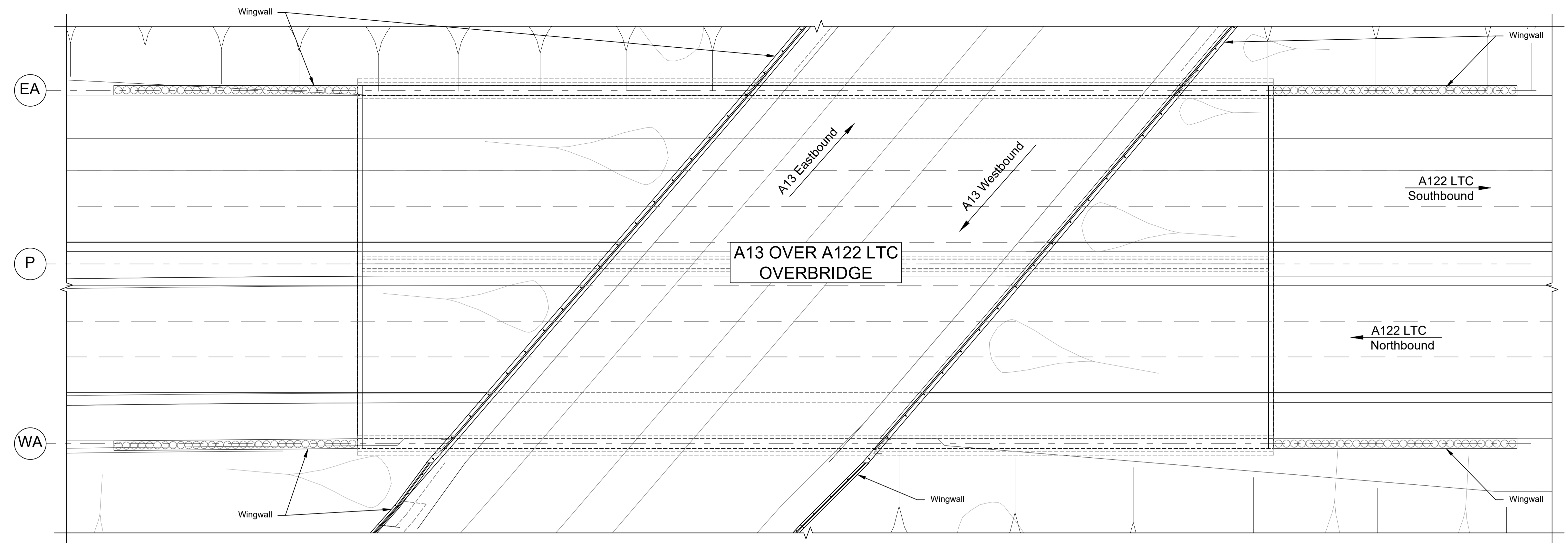
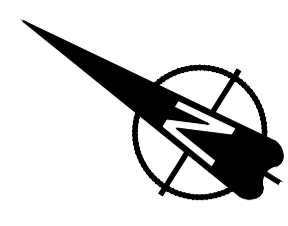
- NOTES:
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  - For Environmental details refer to the Environmental Masterplan (TR010032/APP/6.2 Fig. 2.4) and Environmental Constraints Plan (TR010032/APP/6.2 Fig. 2.3) and associated drawings and documents.
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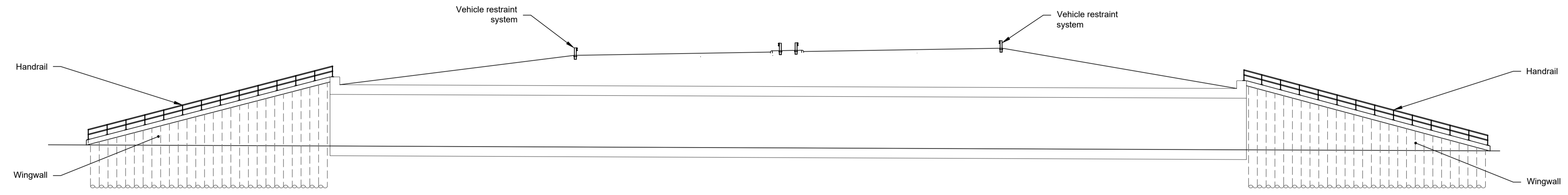
Client: **national highways**

Project: **LOWER THAMES CROSSING**

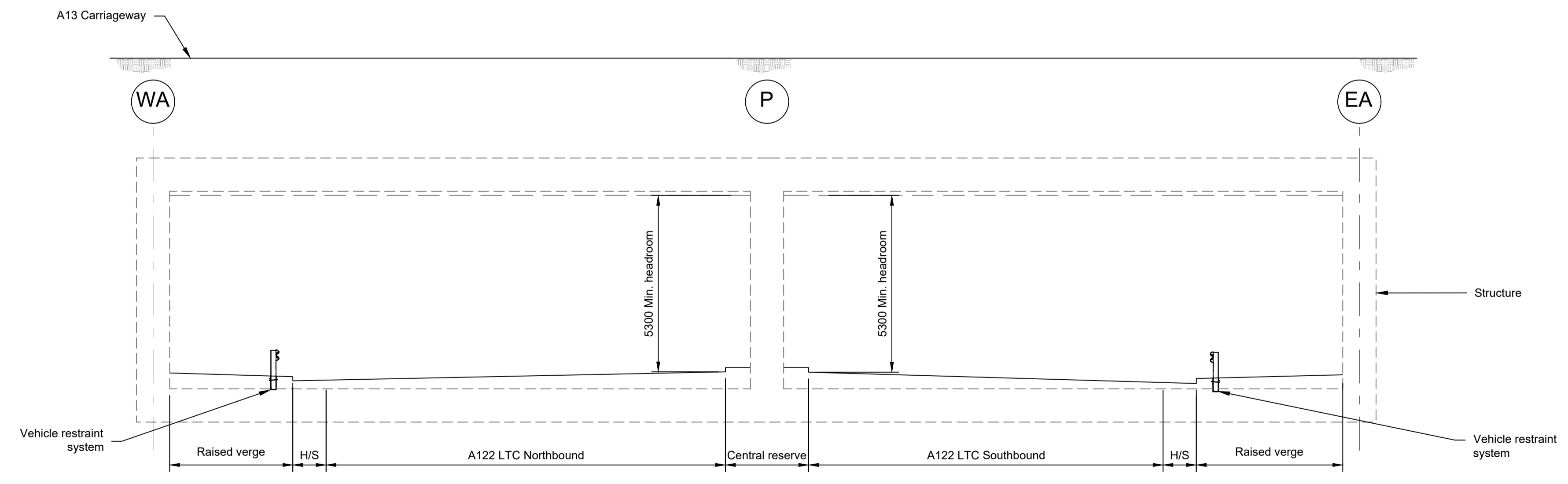
Status	DCO Examination	Original Size	A1	Revision	P03
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o) WORK NO. 7E SHEET 40</b>				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10070				



PLAN 1:250



LONGITUDINAL SECTION 1:250

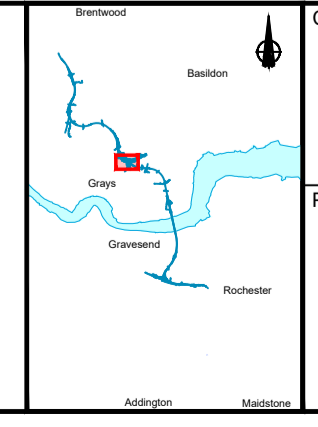
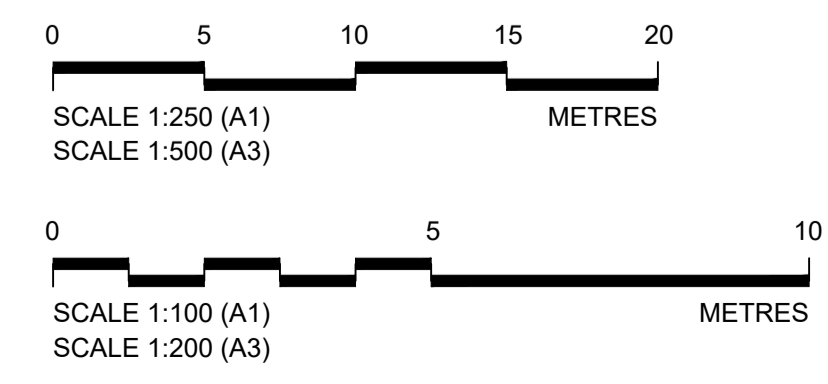


TYPICAL SECTION 1:100

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

- NOTES:
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  - All levels are in metres and relate to Ordnance datum unless stated otherwise.
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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**

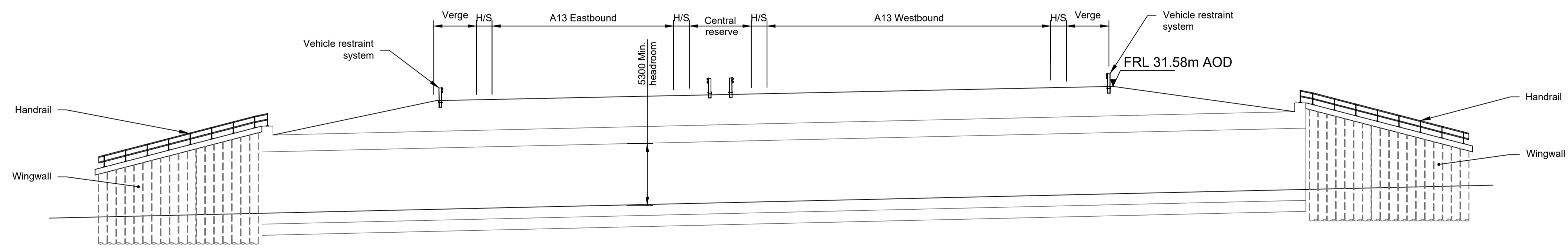
Project: **LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o) WORK NO. 7C SHEET 41</b>				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10071				

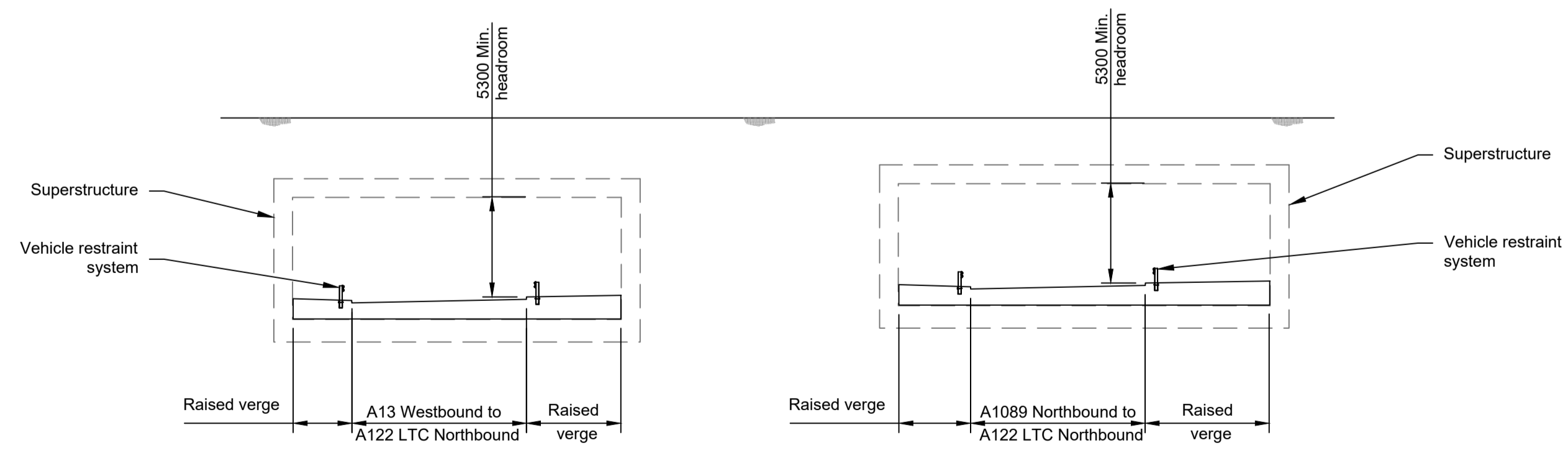




PLAN 1:500



ELEVATION 1:250

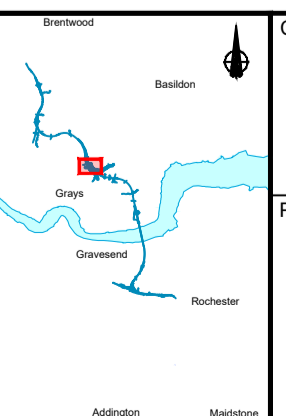
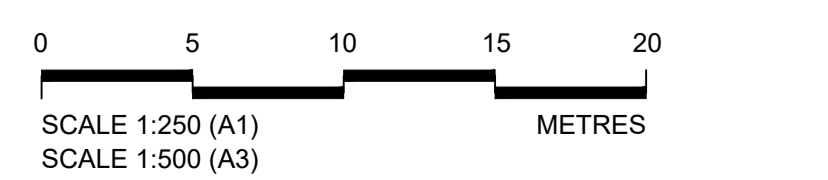
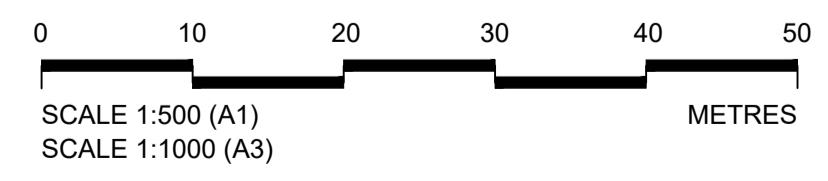
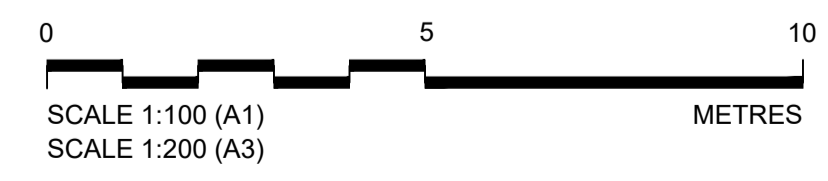


TYPICAL SECTION 1:100

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

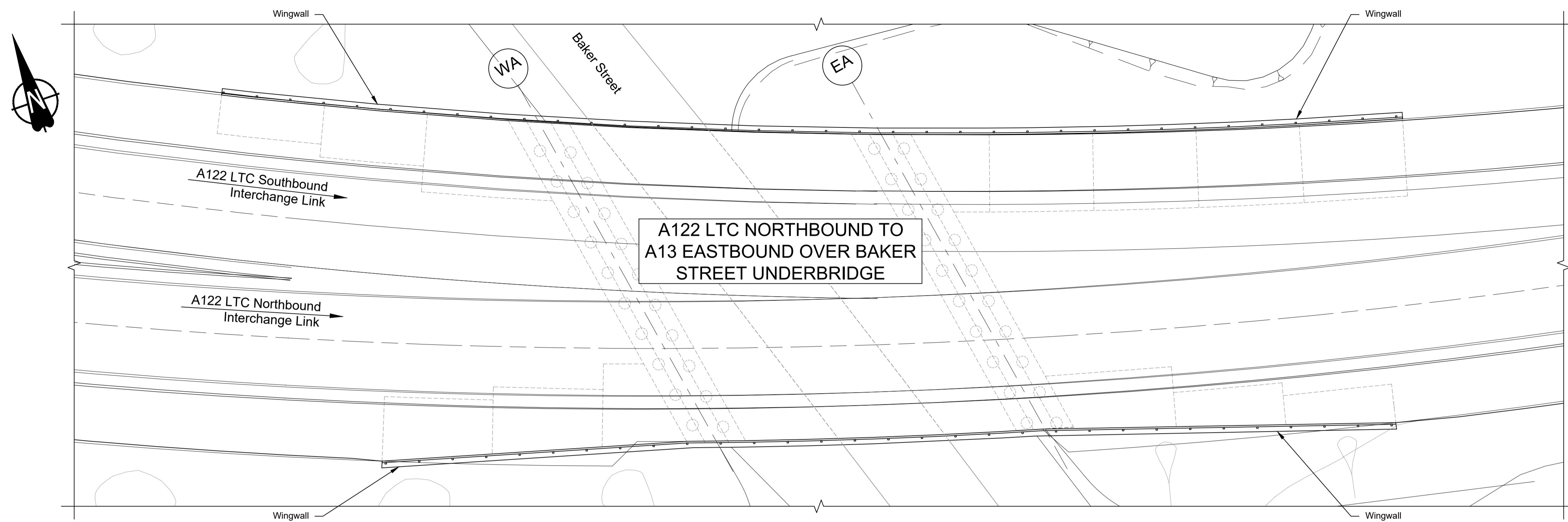
- NOTES:
- The design and location of the structure is shown here for illustrative purposes only and will be subject to detailed design development in accordance with the provisions of the Development Consent Order (TR010032/APP/2.1).
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  - All dimensions in millimetres unless noted otherwise.
  - All levels are in metres and relate to Ordnance datum unless stated otherwise.
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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.



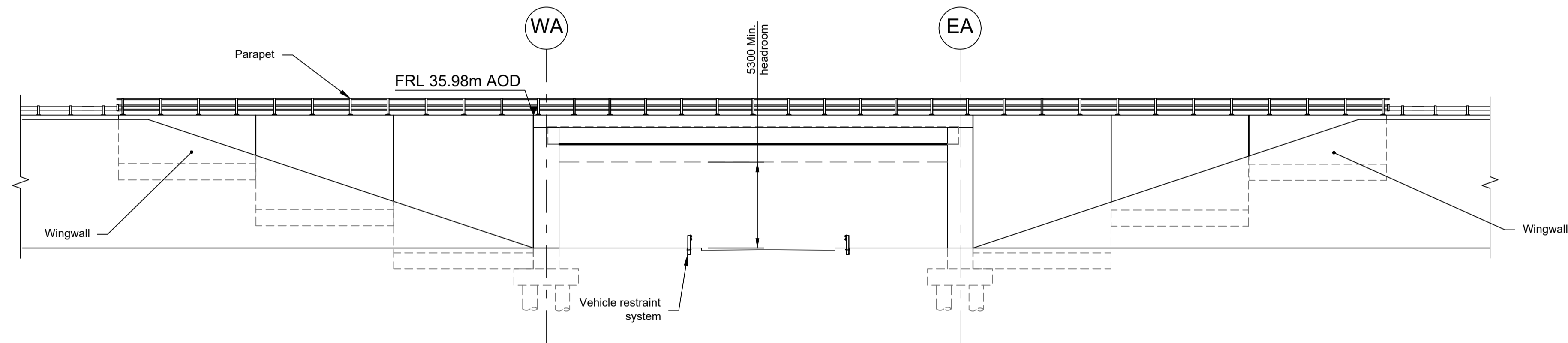
Client: **national highways**

Project: **LOWER THAMES CROSSING**

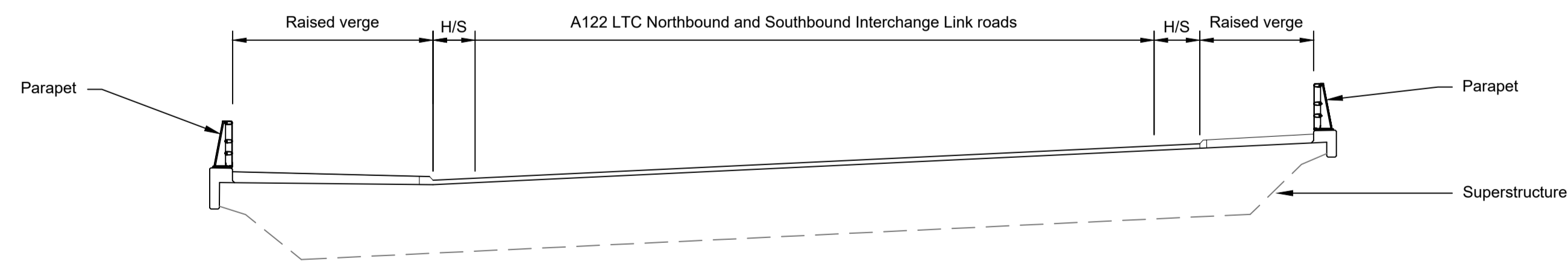
Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o) WORK NO. 7F SHEET 42</b>				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10072				



PLAN 1:200



ELEVATION 1:200

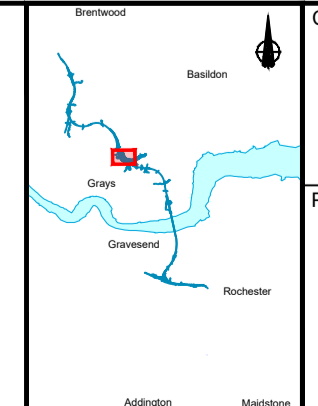
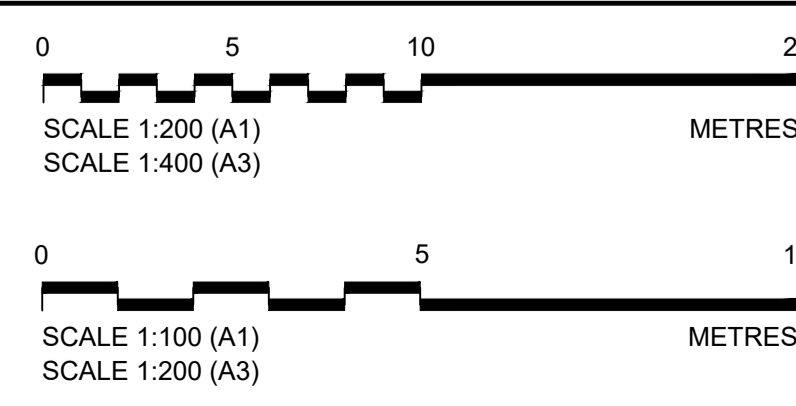


TYPICAL SECTION 1:100

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

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P01	S8	19/10/2022	DCO Application	PG1	BB	ASB				
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB				
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd				

- NOTES:
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  - Full length of piles not shown.

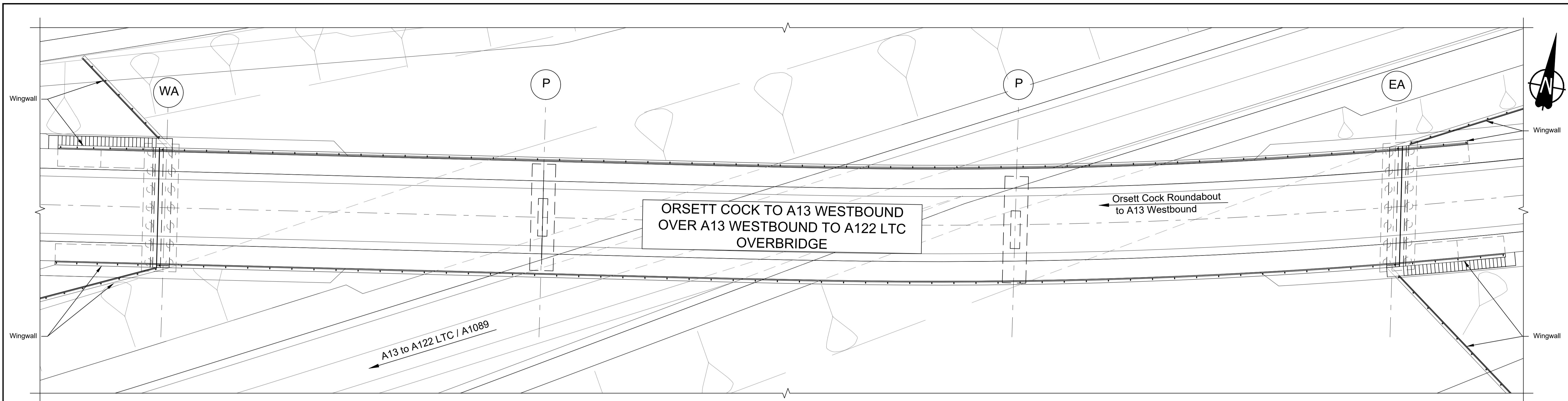


Client:

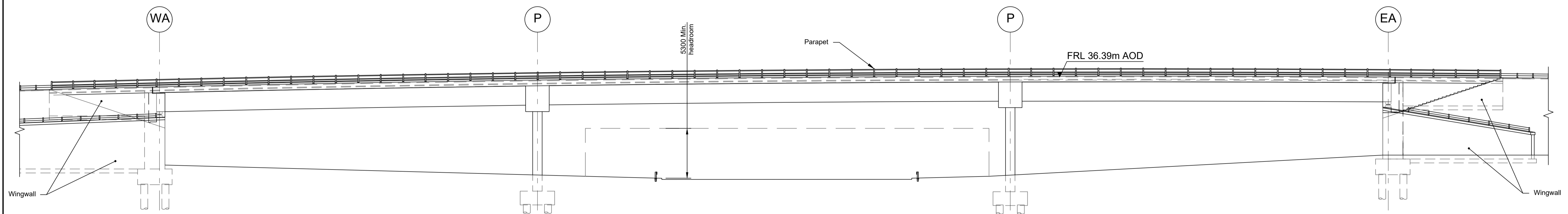
Project: LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	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				

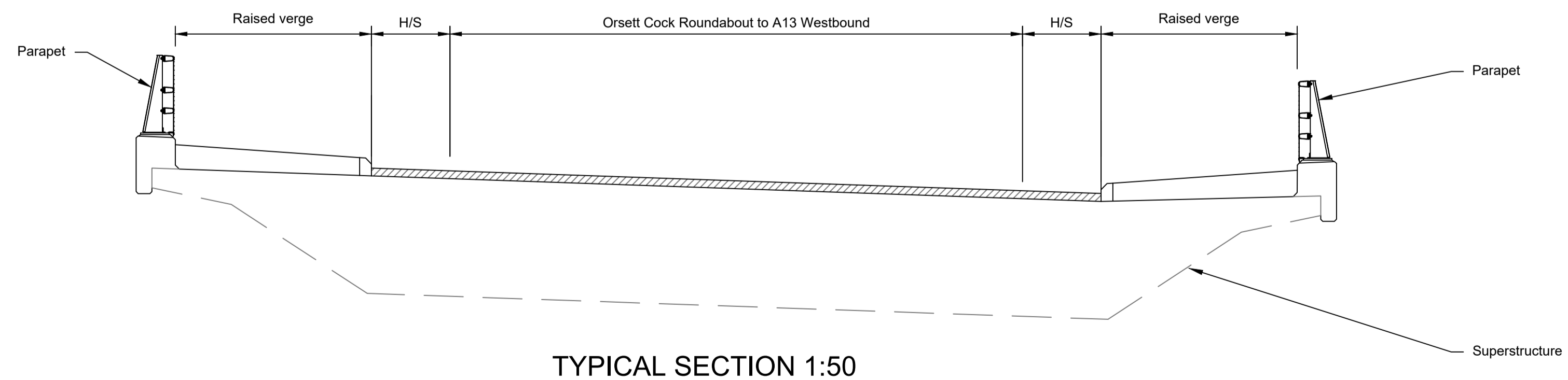




PLAN 1:250



ELEVATION 1:250

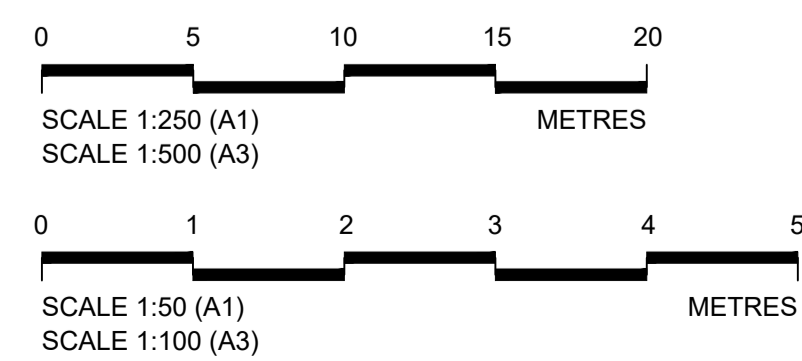


TYPICAL SECTION 1:50

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

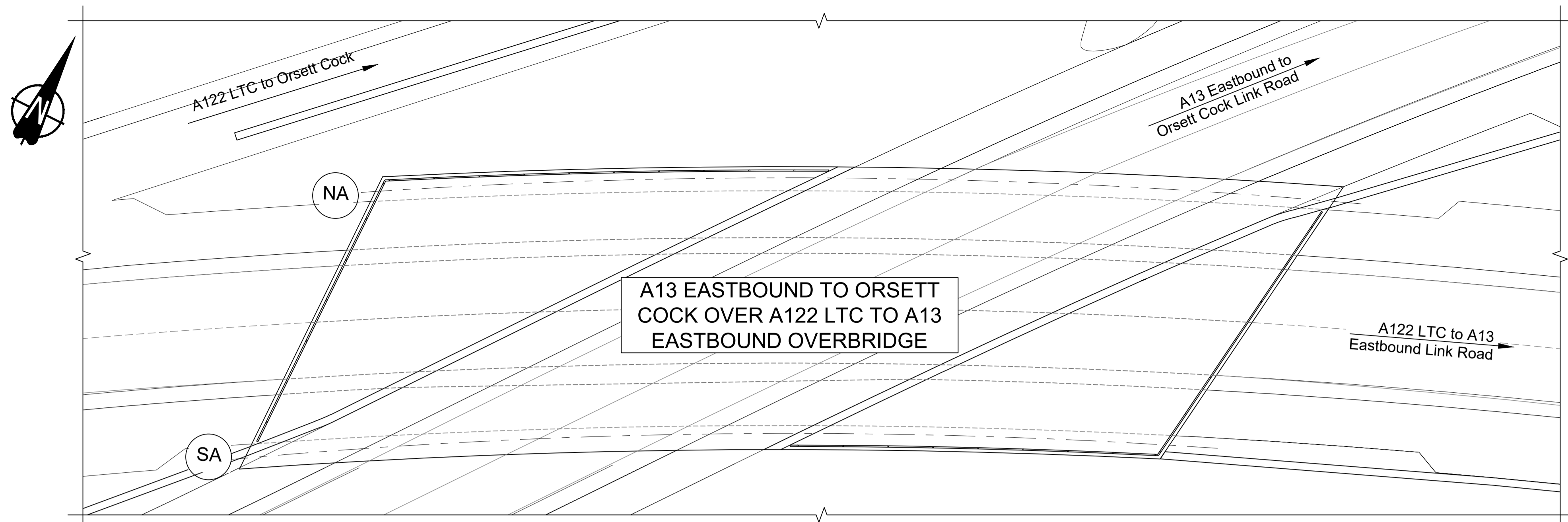
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

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  - Full length of piles not shown.



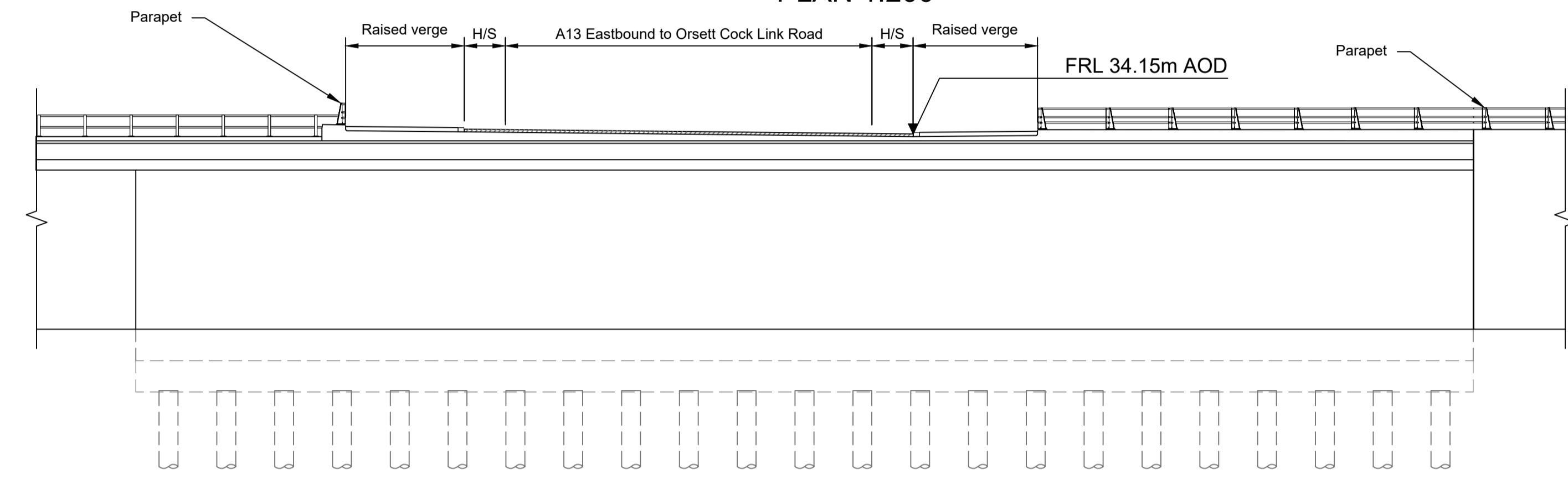
Client  
 national highways  
 Project  
**LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	Revision
Application Document Number	TR010032/APP/2.13	A1	P02
Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o)</b>		
	<b>WORK NO. 7H</b>		
	<b>SHEET 44</b>		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10074		

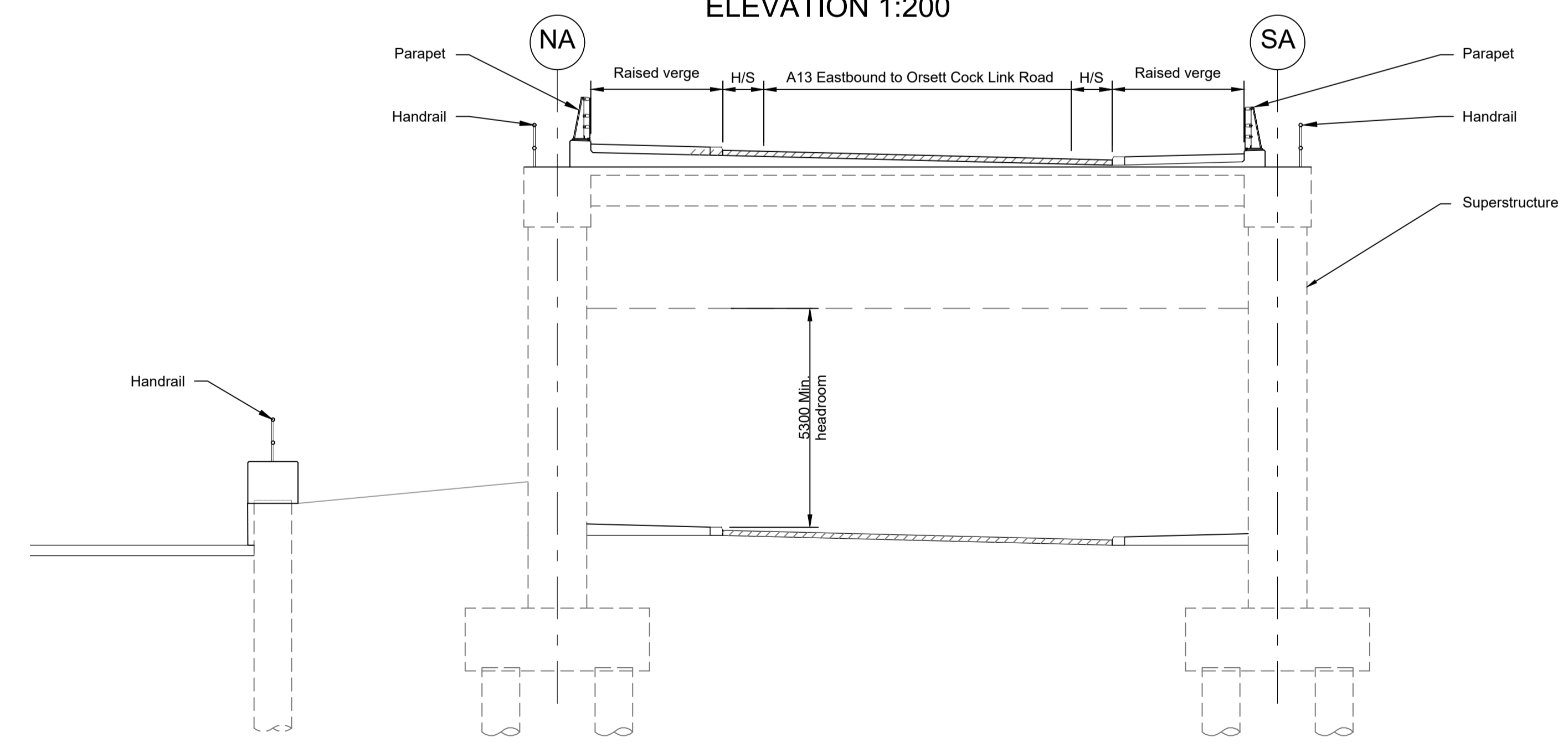


A13 EASTBOUND TO ORSETT  
COCK OVER A122 LTC TO A13  
EASTBOUND OVERBRIDGE

PLAN 1:200



ELEVATION 1:200

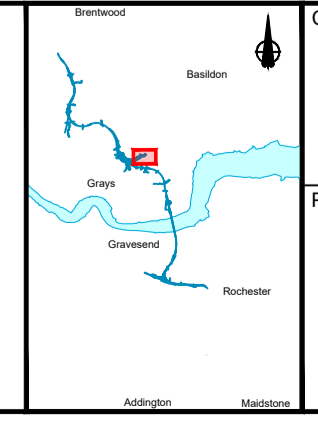
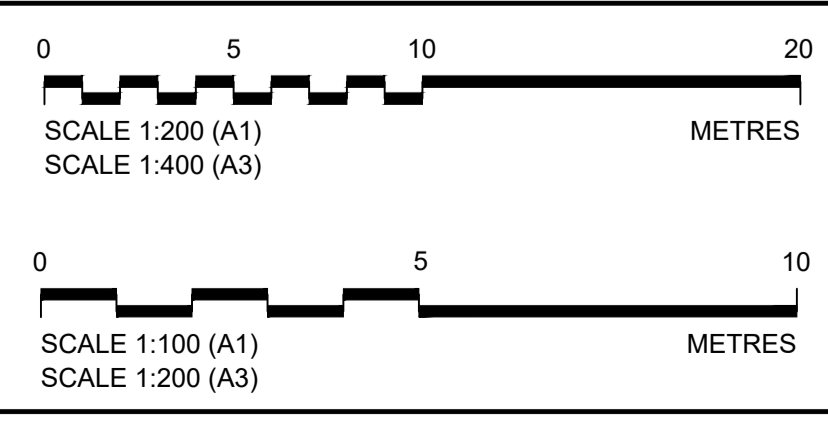


TYPICAL SECTION 1:100

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

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  - Full length of piles not shown.

Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

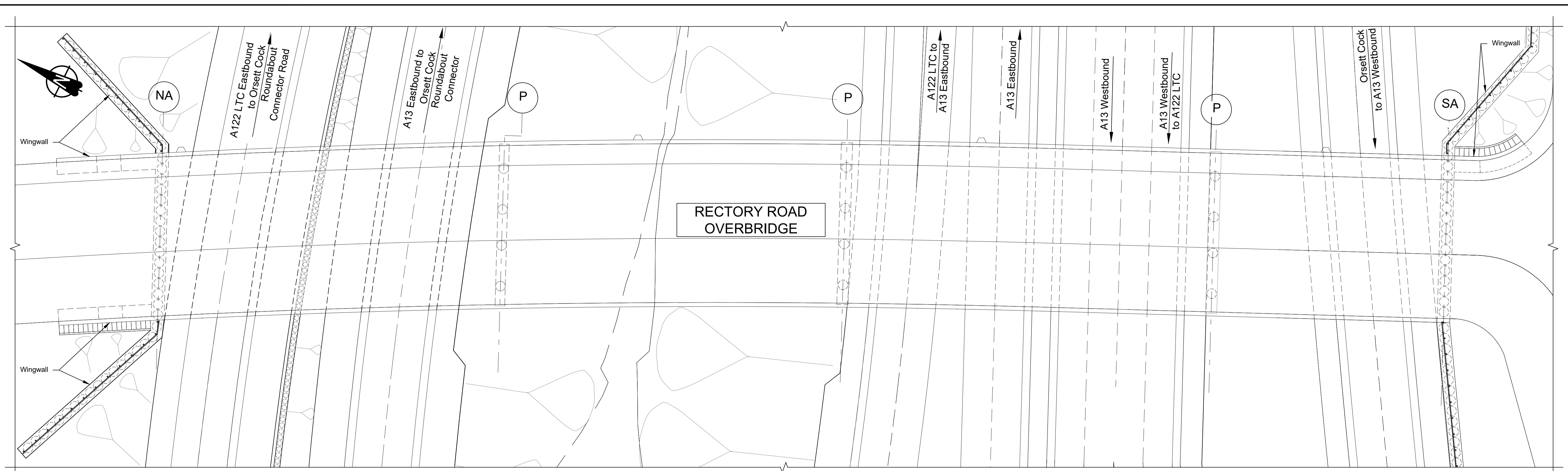


Client: national highways

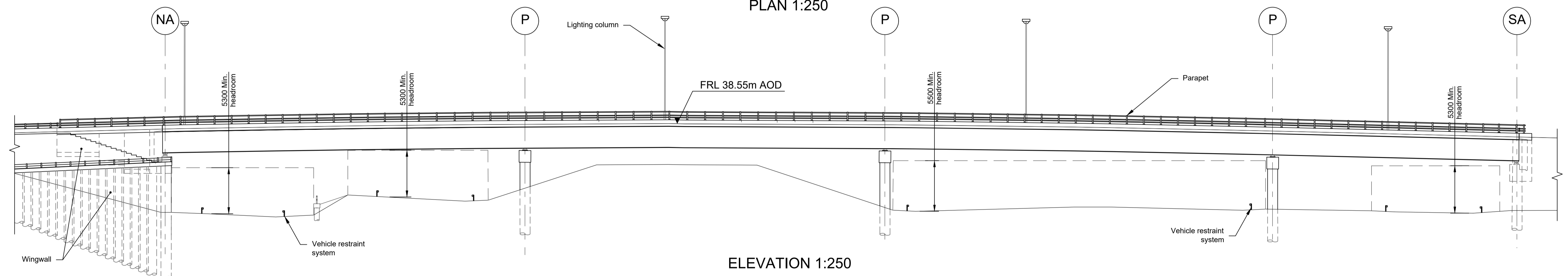
Project: LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
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Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10075				

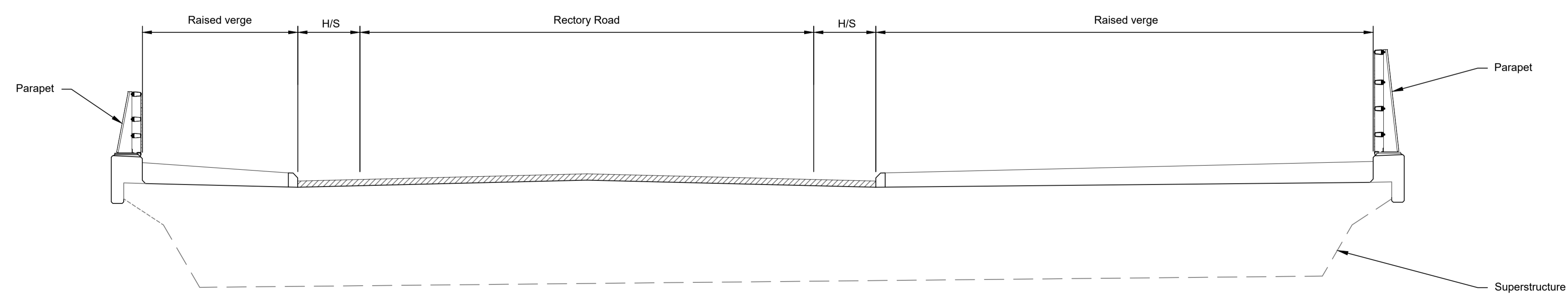




PLAN 1:250



ELEVATION 1:250

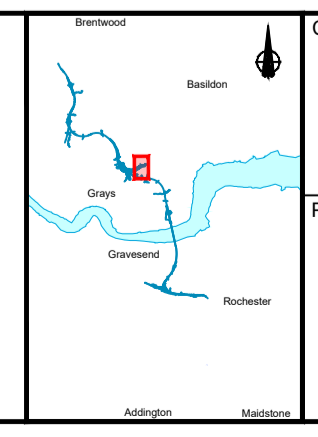
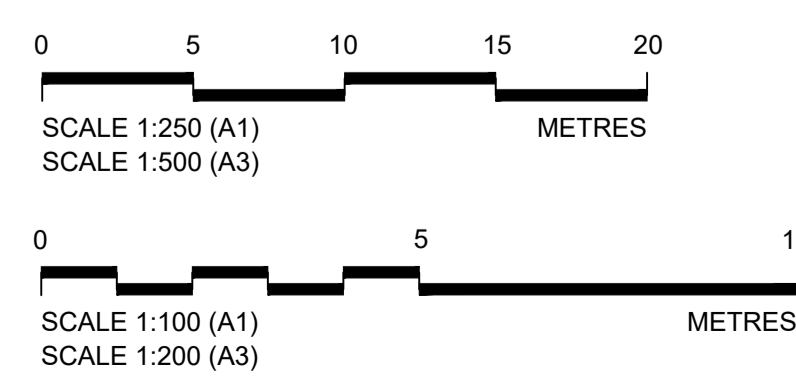


TYPICAL SECTION 1:100

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

- NOTES:
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  - Full length of piles not shown.

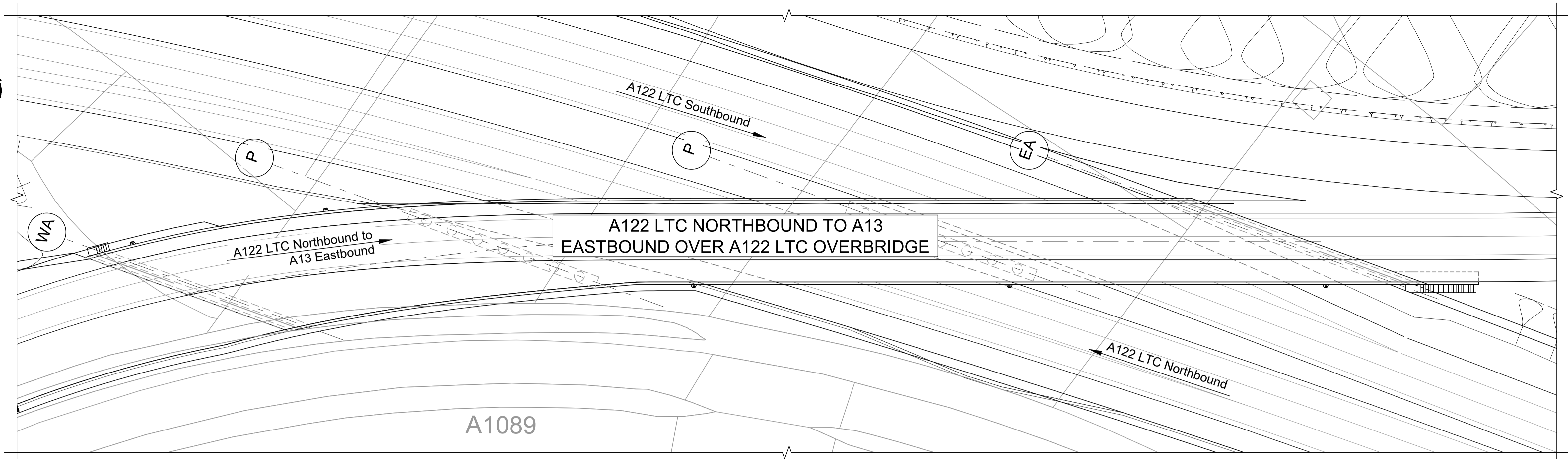


Client: **national highways**

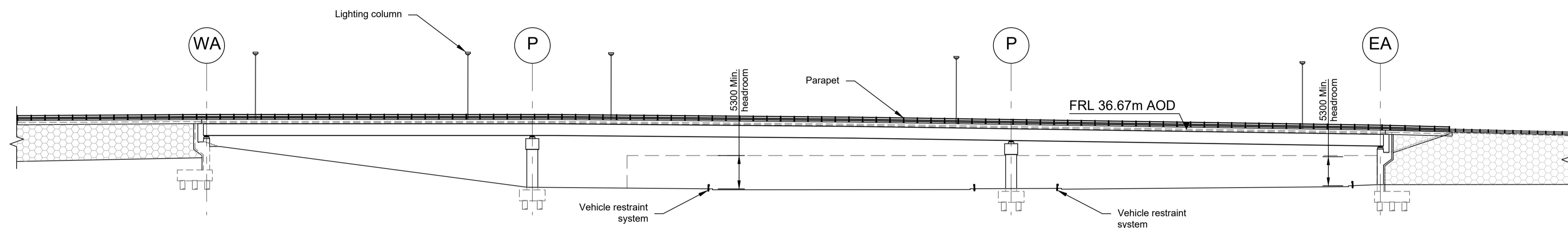
Project: **LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
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Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10076				

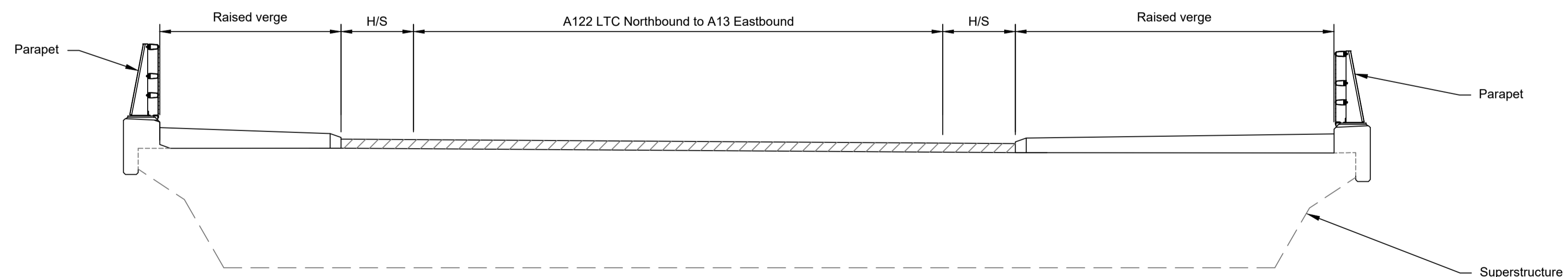




PLAN 1:500



ELEVATION 1:500

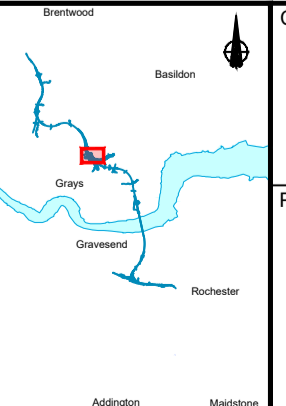
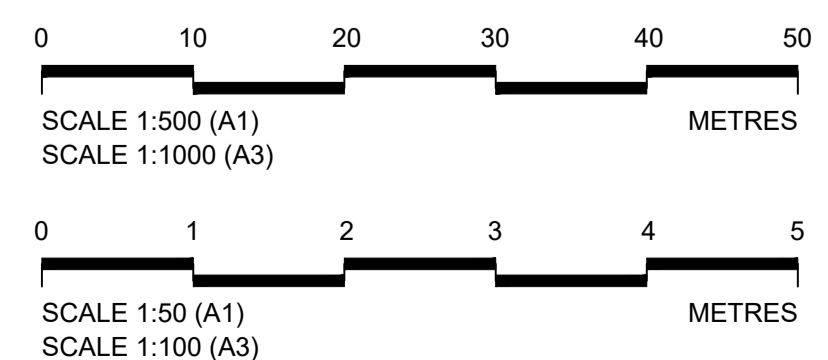


TYPICAL SECTION 1:50

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

- 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**

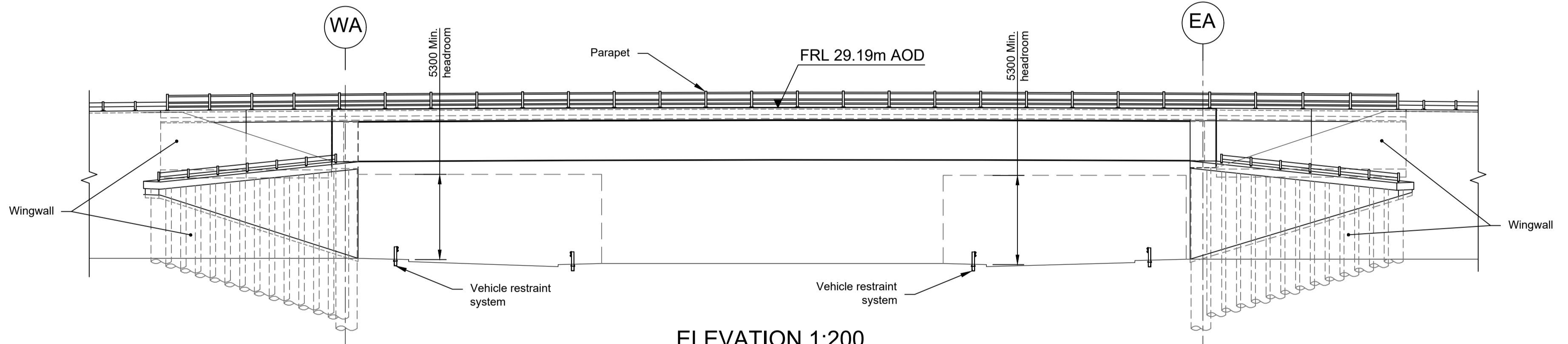
Project: **LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
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	<b>WORK NO. 7G</b>				
	<b>SHEET 47</b>				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10077				

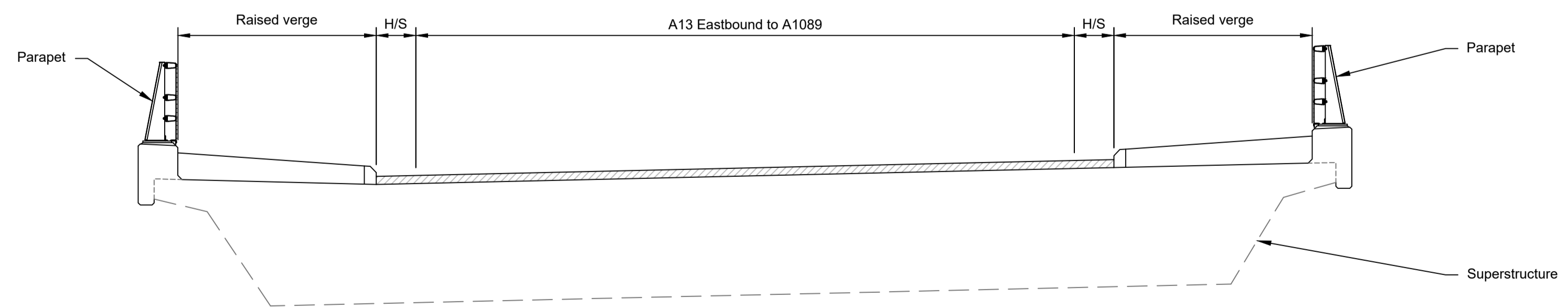




PLAN 1:200



ELEVATION 1:200

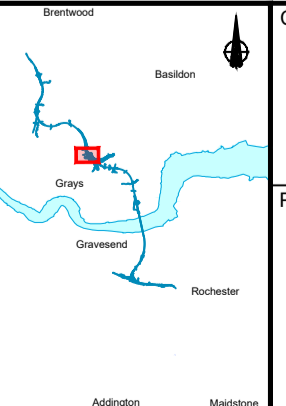
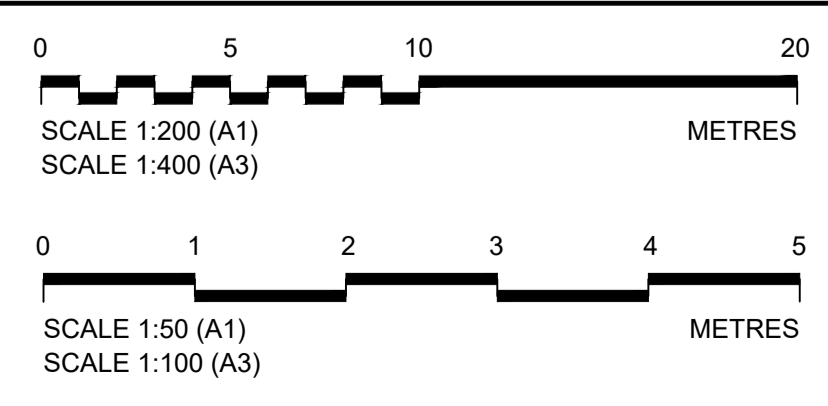


TYPICAL SECTION 1:50

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

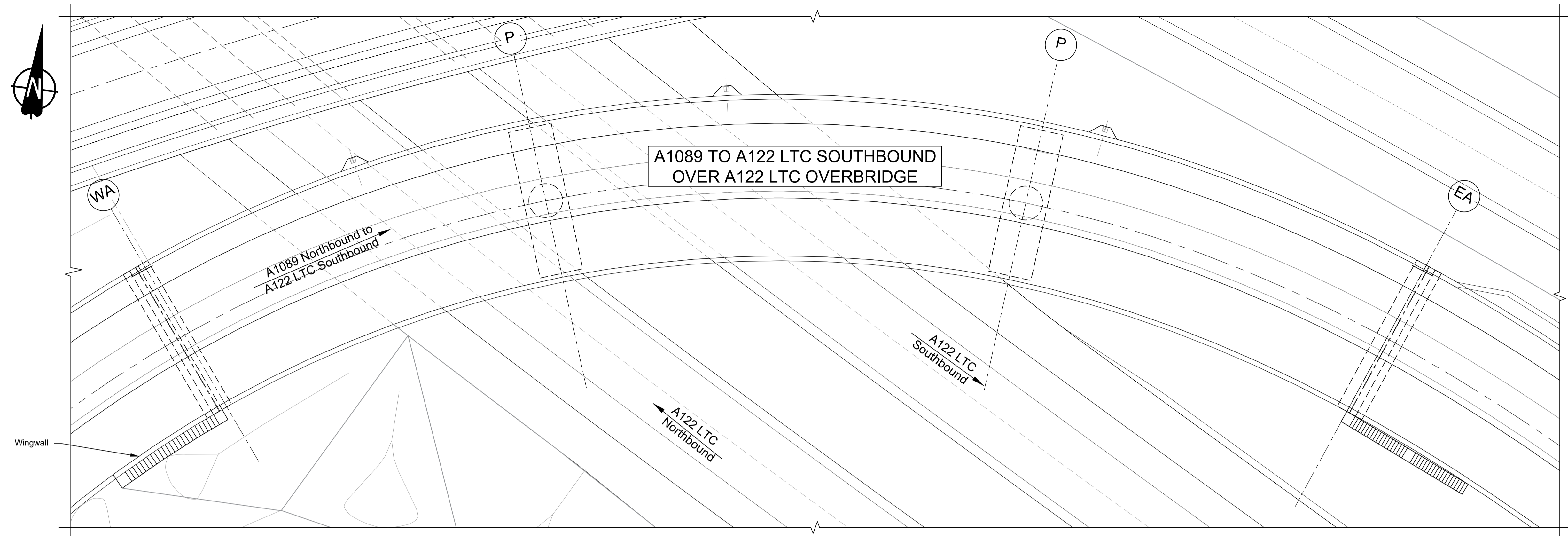
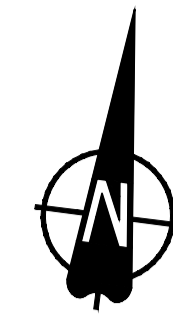
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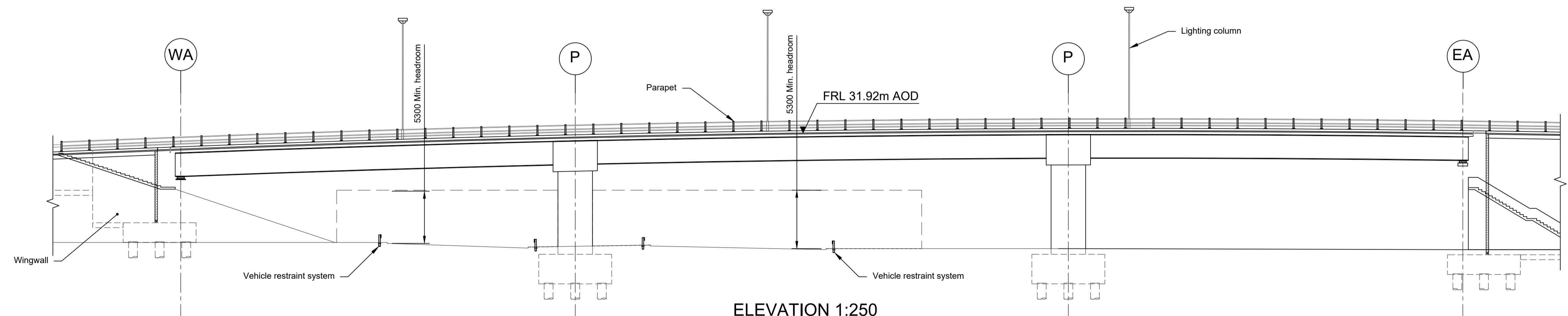
Client: national highways

Project: LOWER THAMES CROSSING

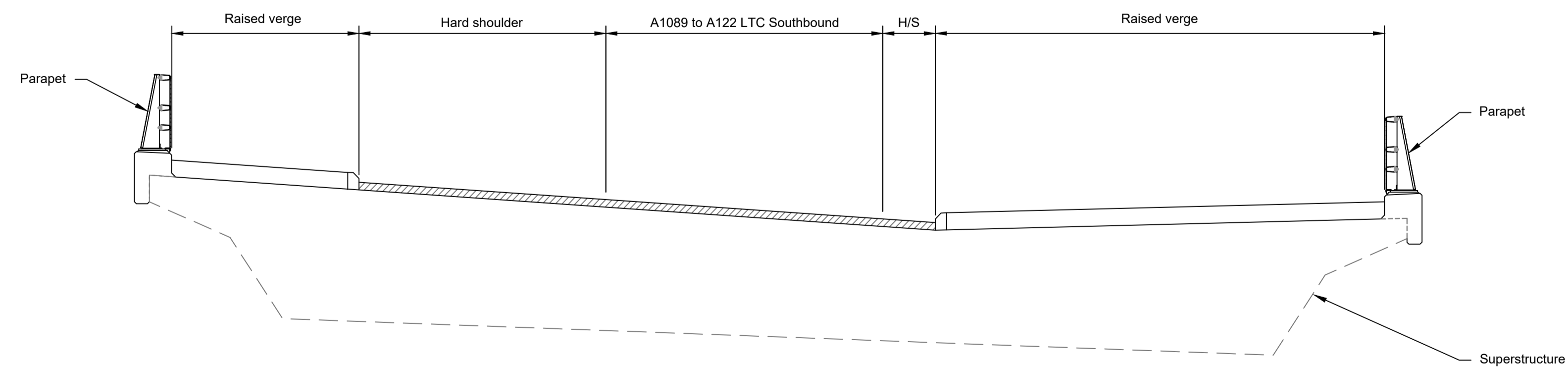
Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	STRUCTURES PLANS 5(2)(o) WORK NO. 7N SHEET 48				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10078				



PLAN 1:250



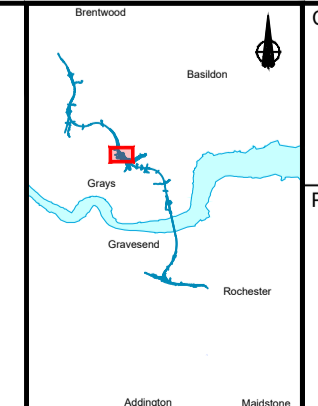
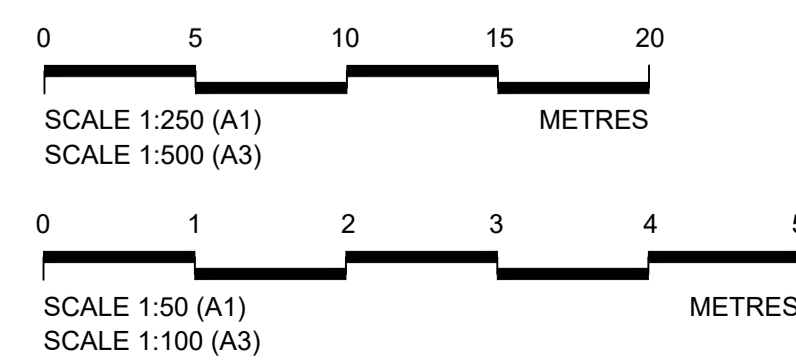
ELEVATION 1:250



TYPICAL SECTION 1:50

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

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  - Full length of piles not shown.



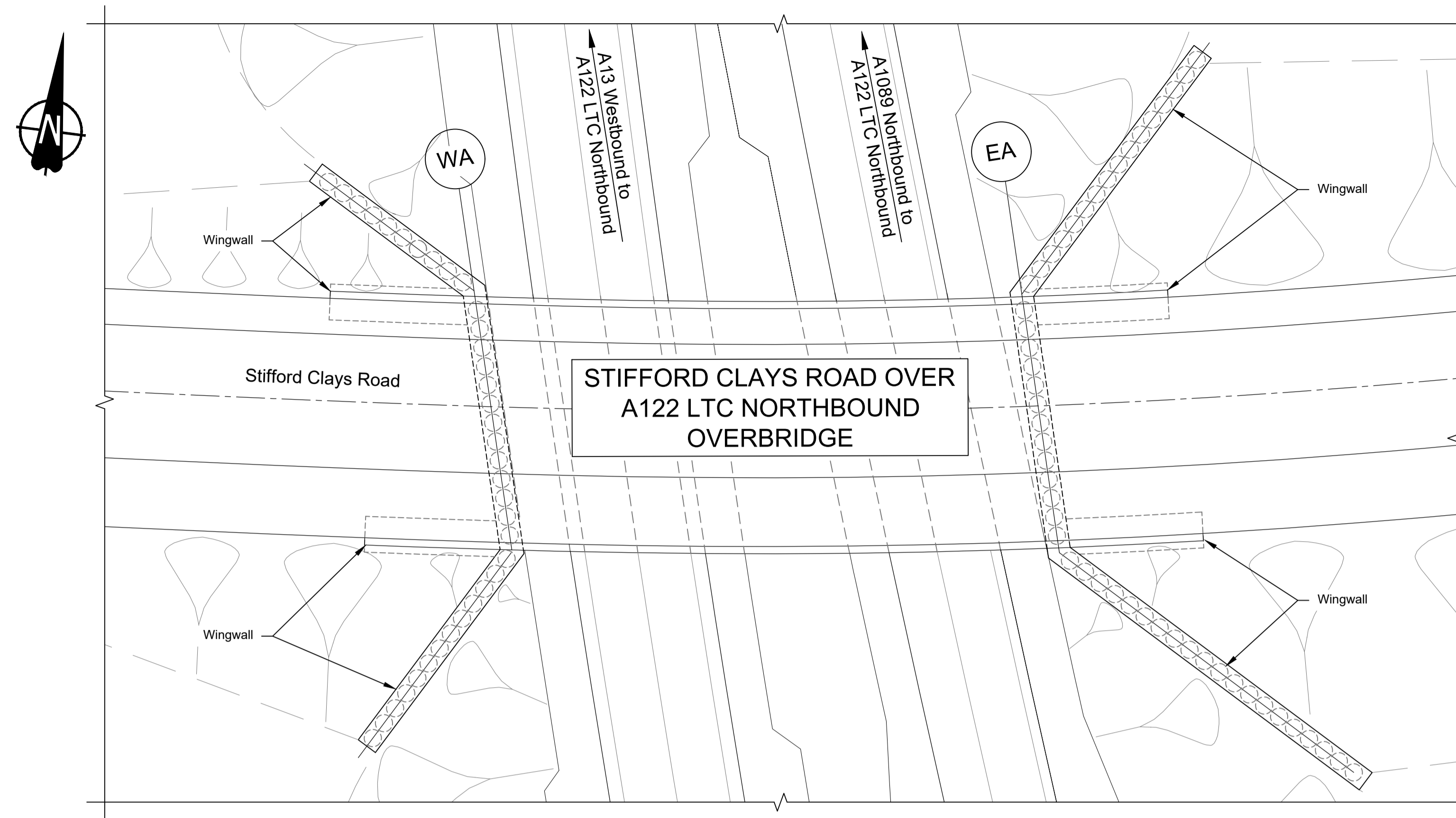
Client: **national highways**

Project: **LOWER THAMES CROSSING**

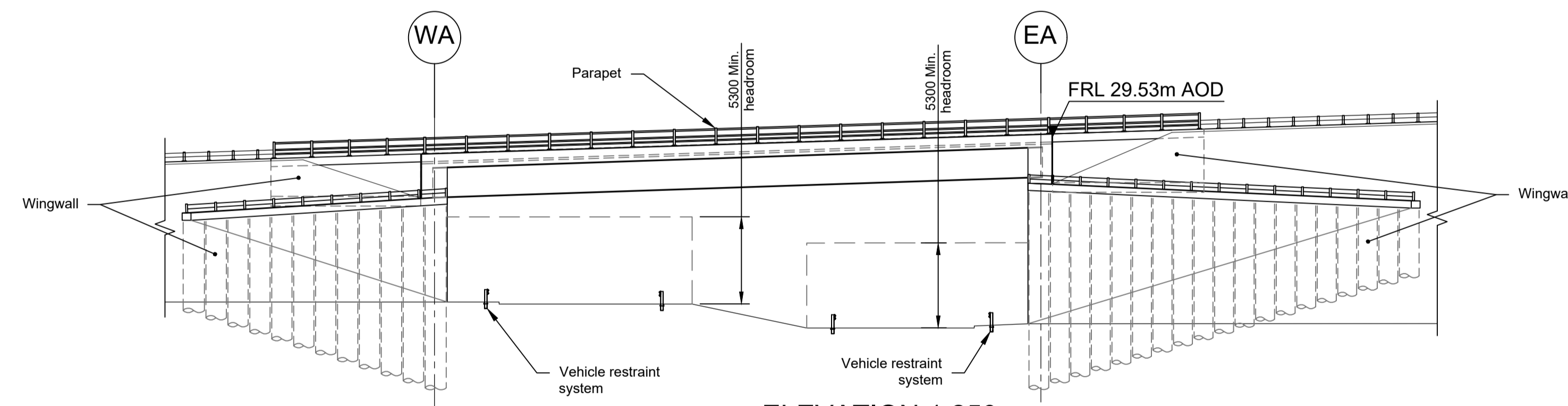
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	<b>SHEET 49</b>				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10079				

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

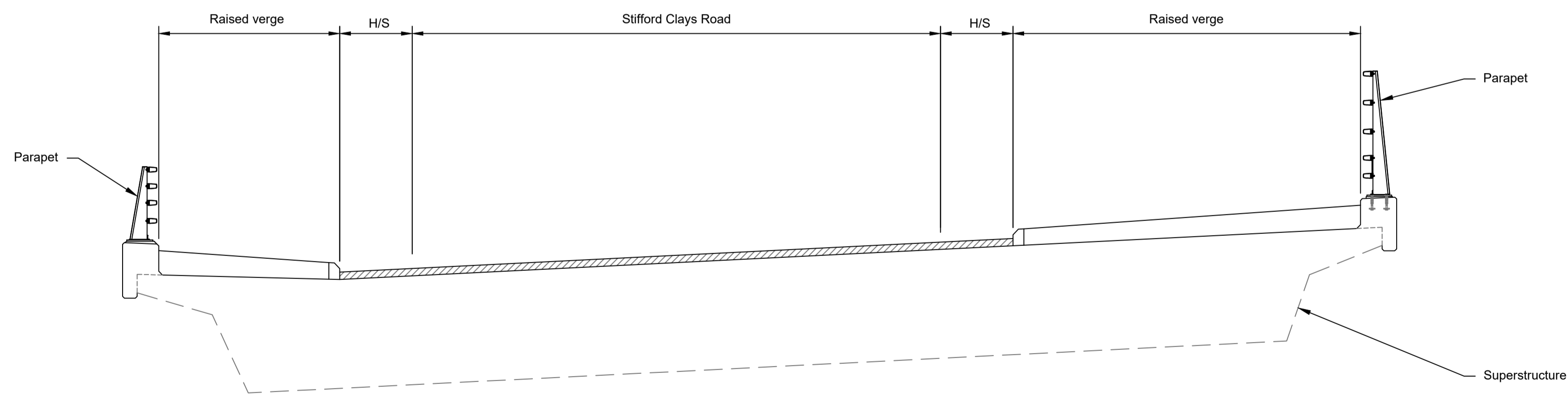




PLAN 1:250



ELEVATION 1:250



TYPICAL SECTION 1:50

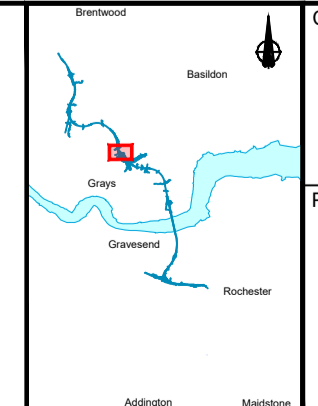
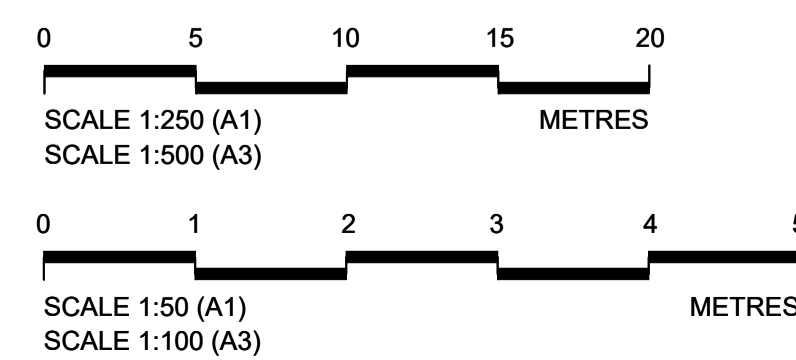
LEGEND	
	EMBANKMENT/CUTTING
	WEST ABUTMENT
	EAST ABUTMENT
	HARDSTRIP
	FINISHED ROAD LEVEL

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NOTES:

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- Full length of piles not shown.

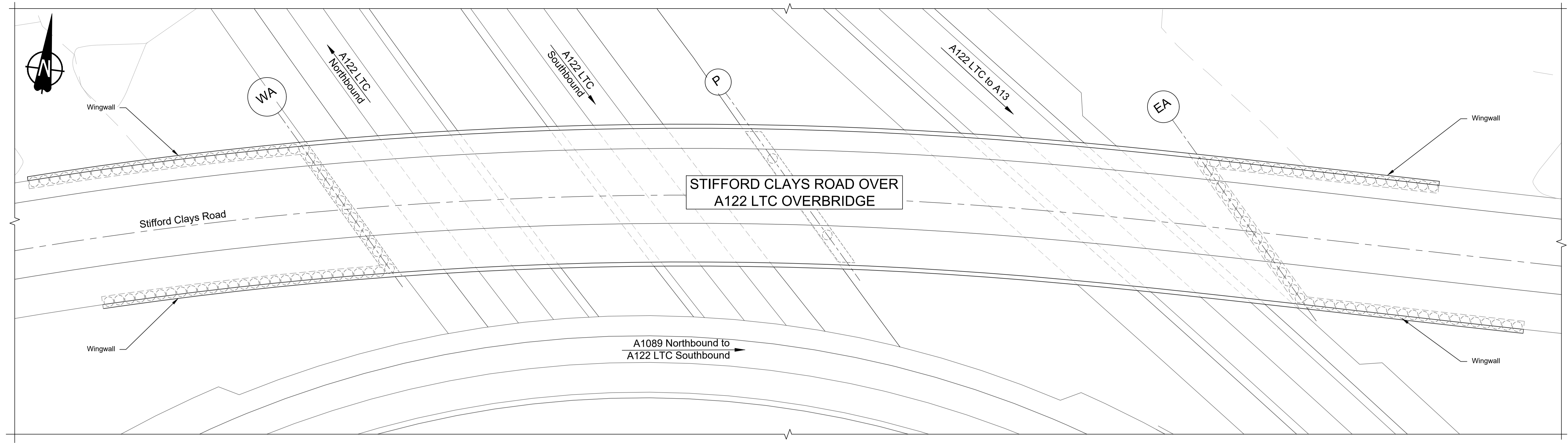
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P02	S8	11/12/2023	Deadline 9	GP	RO	ASB



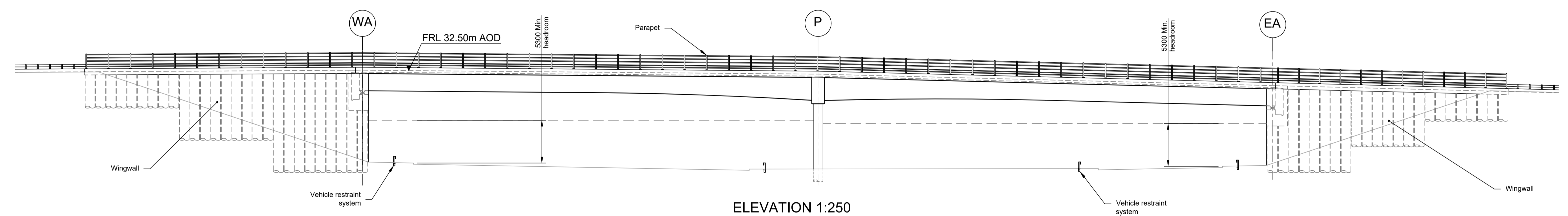
Client: **national highways**

Project: **LOWER THAMES CROSSING**

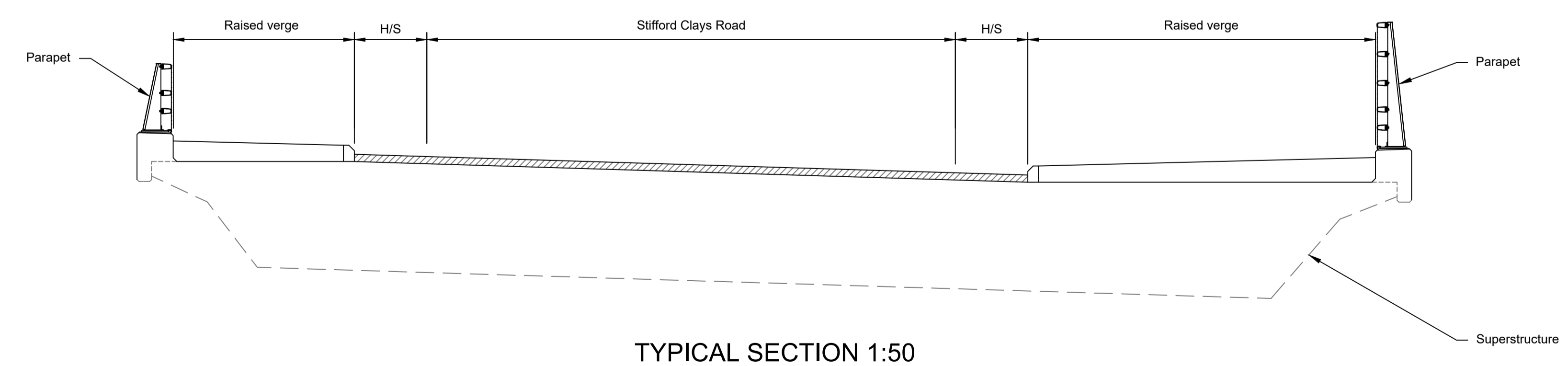
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	<b>WORK NO. 7L</b>				
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Drawing Number	HE540039-CJV-BOP-SZZ_ST000000 -DR-CB-10080				



PLAN 1:250



ELEVATION 1:250

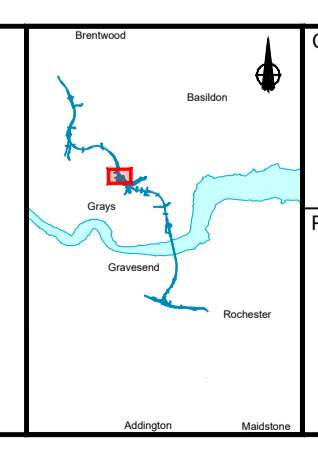
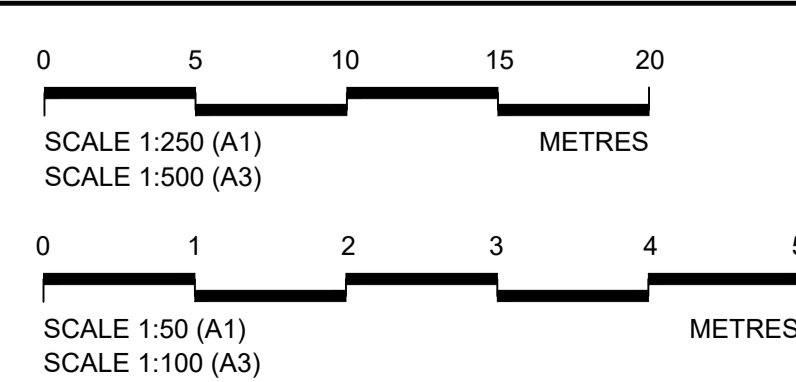


TYPICAL SECTION 1:50

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

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  - Full length of piles not shown.

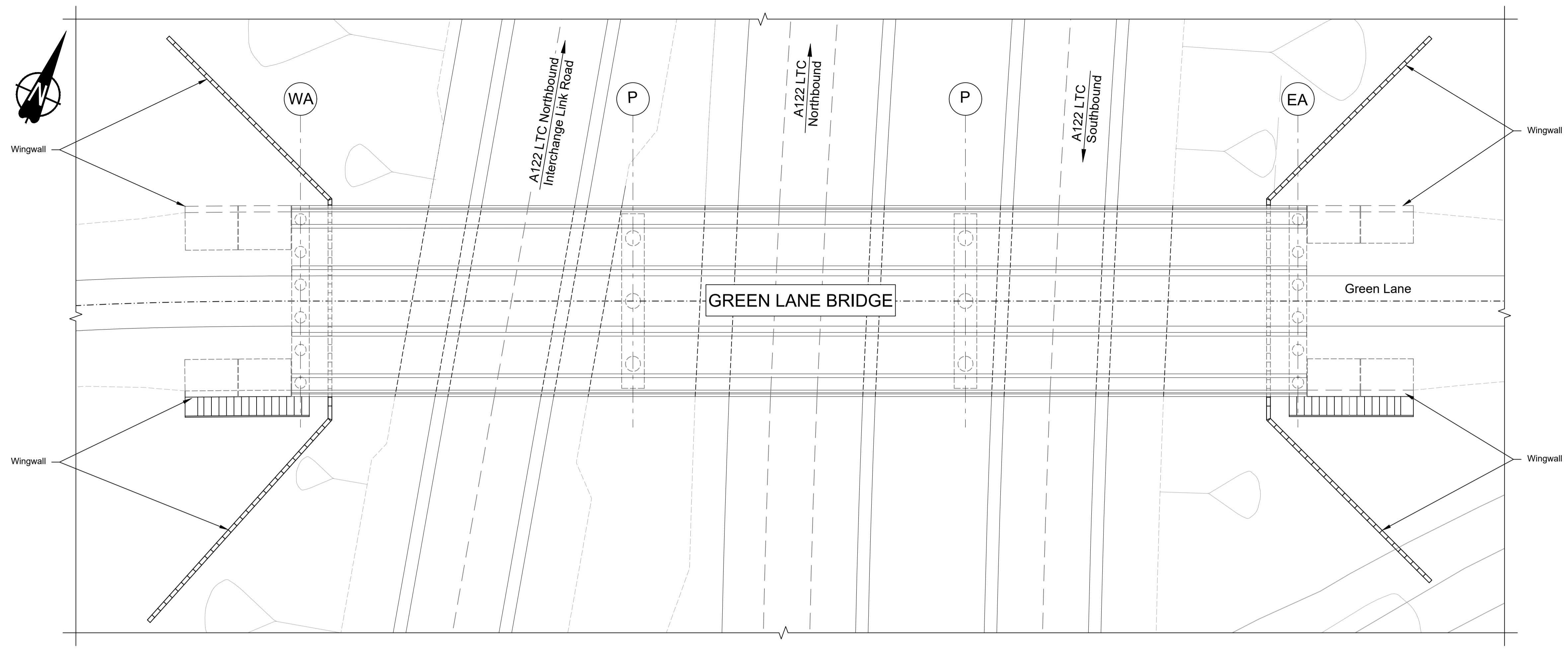


Client: **national highways**

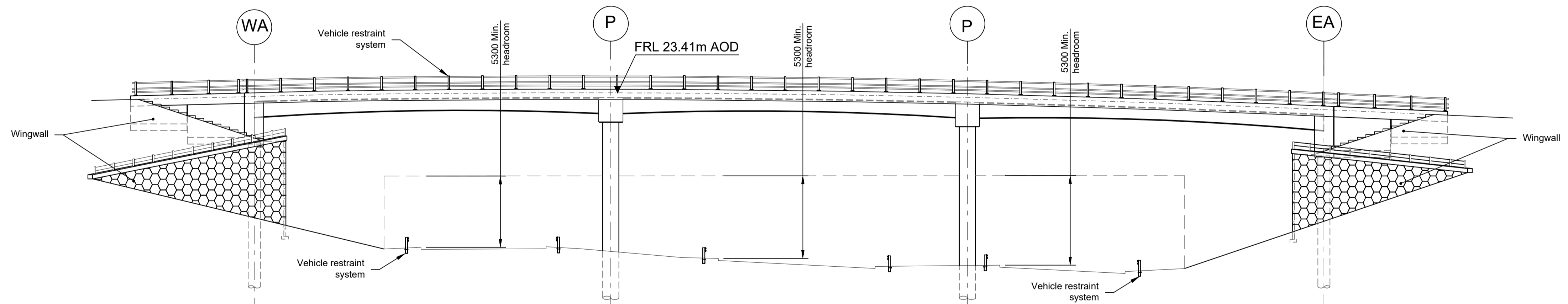
Project: **LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o) WORK NO. 7L SHEET 51</b>				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10081				

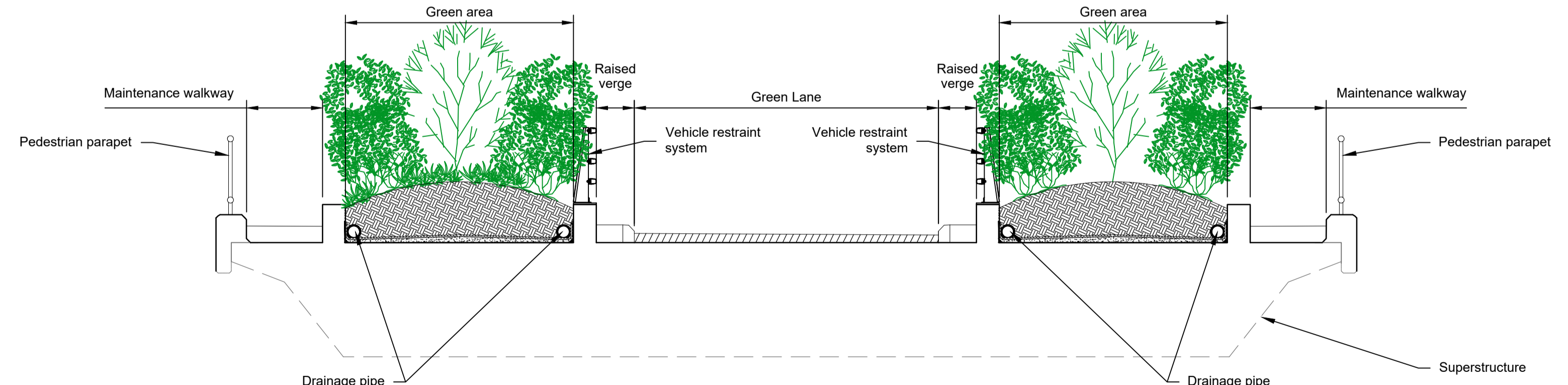




PLAN 1:200



ELEVATION 1:200

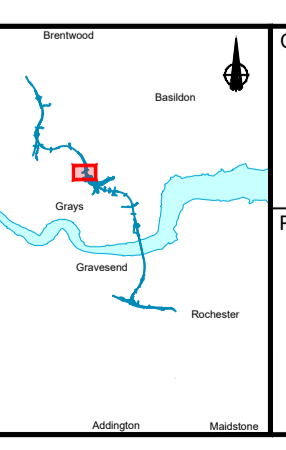
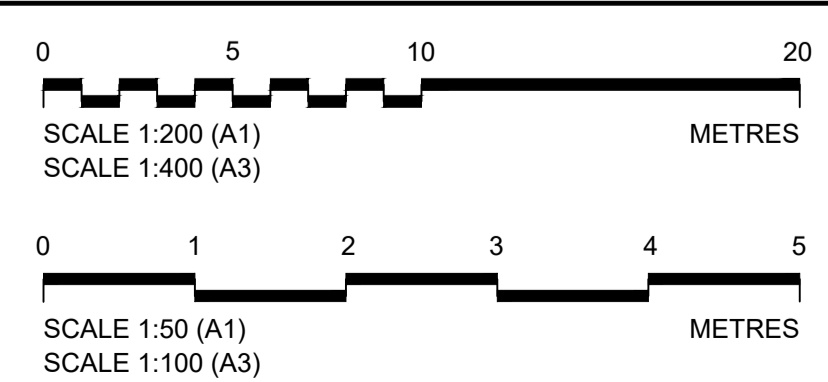


TYPICAL SECTION 1:50

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

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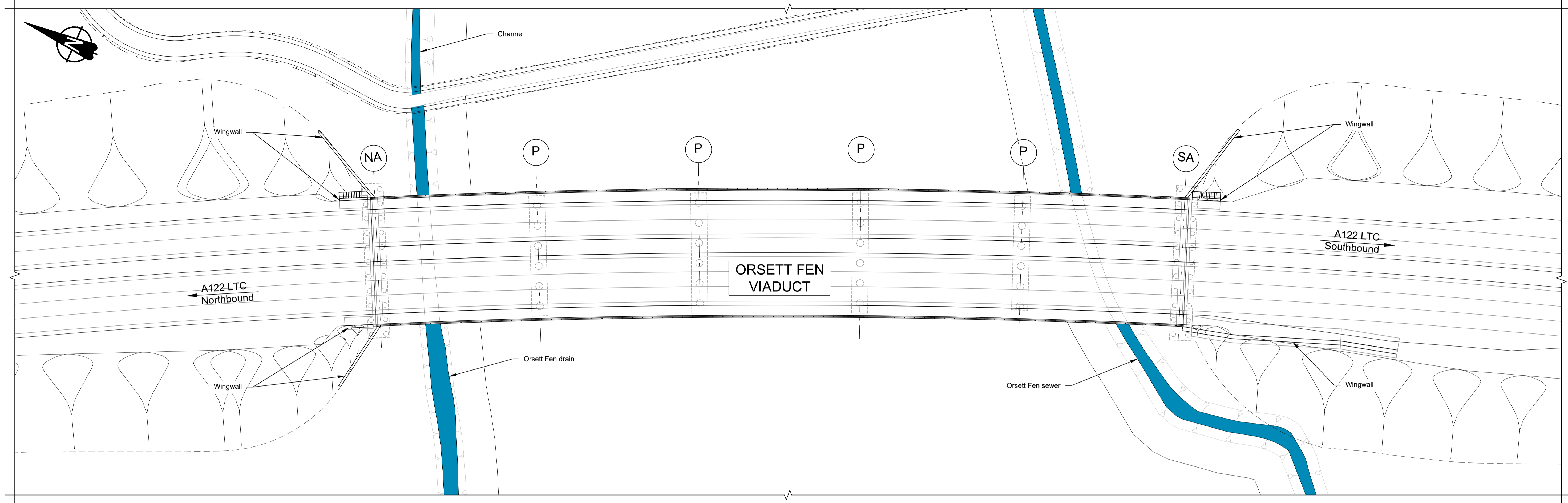


Client: **national highways**

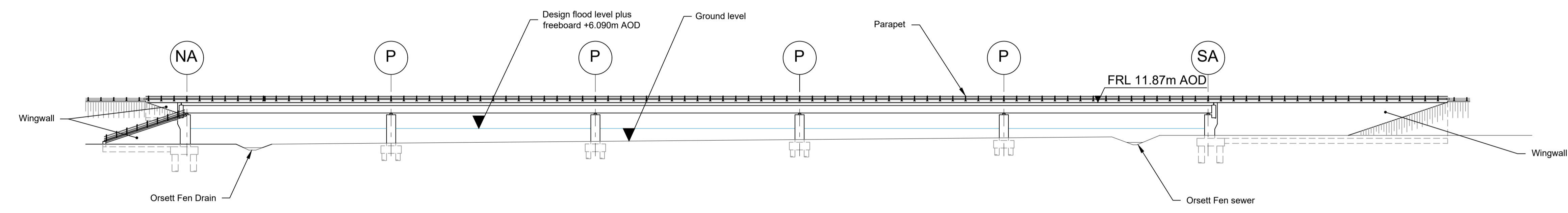
Project: **LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o)</b>				
	<b>WORK NO. 7M</b>				
	<b>SHEET 52</b>				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10082				

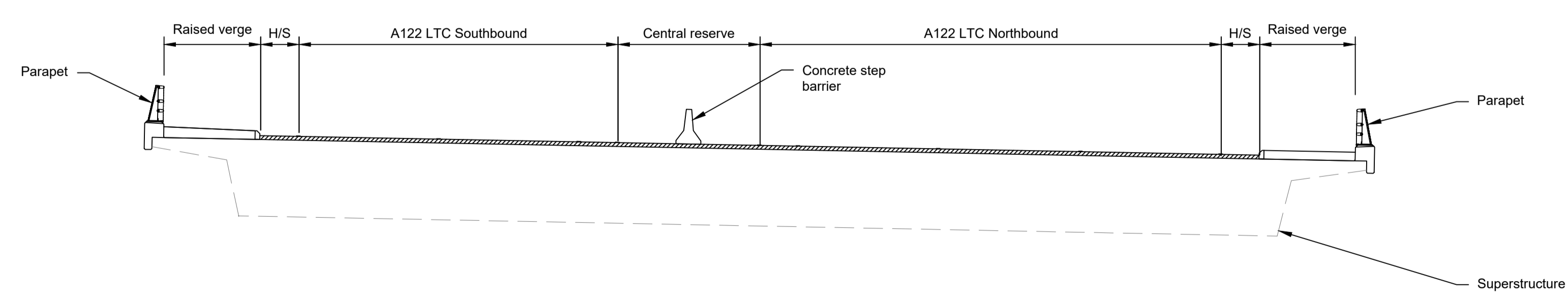




PLAN 1:500



ELEVATION 1:500

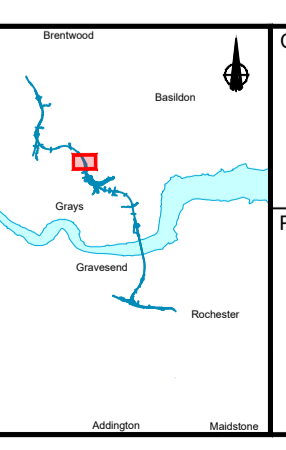
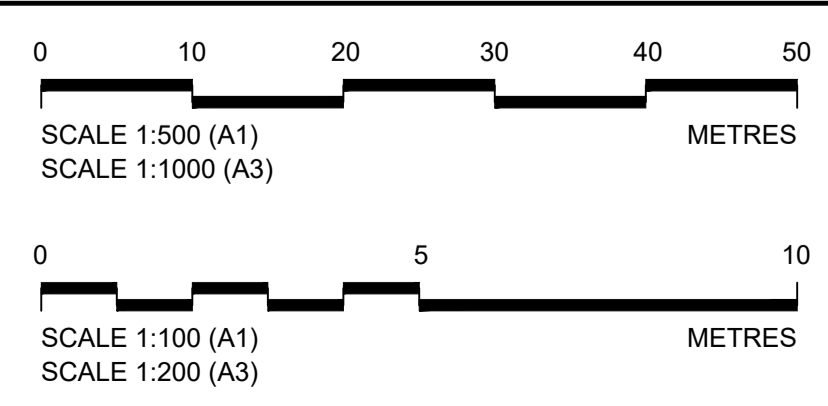


TYPICAL SECTION 1:100

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

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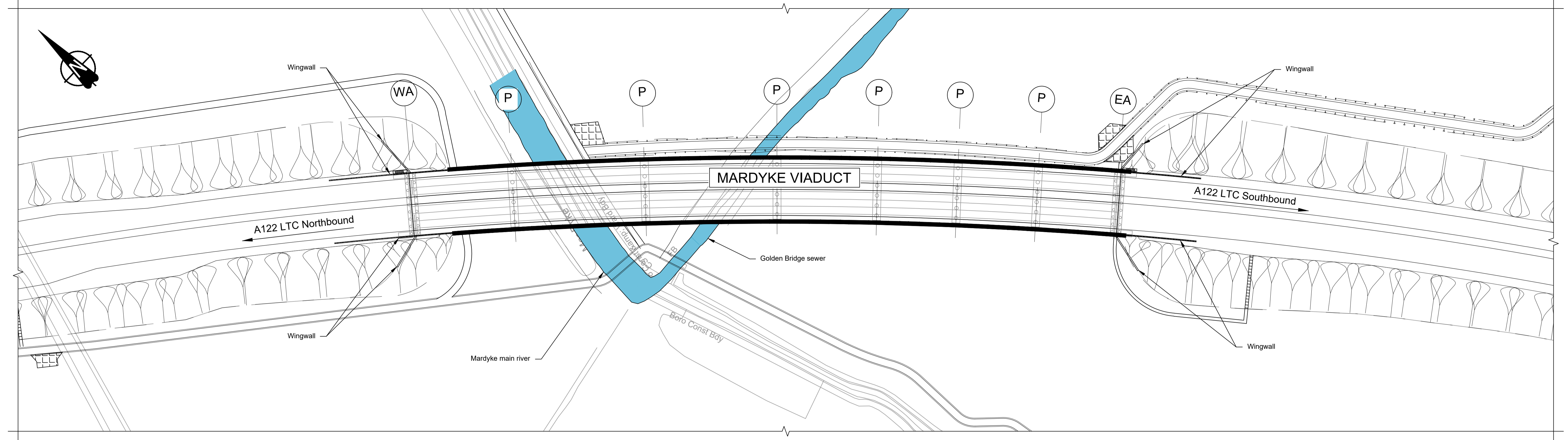
Client

Project

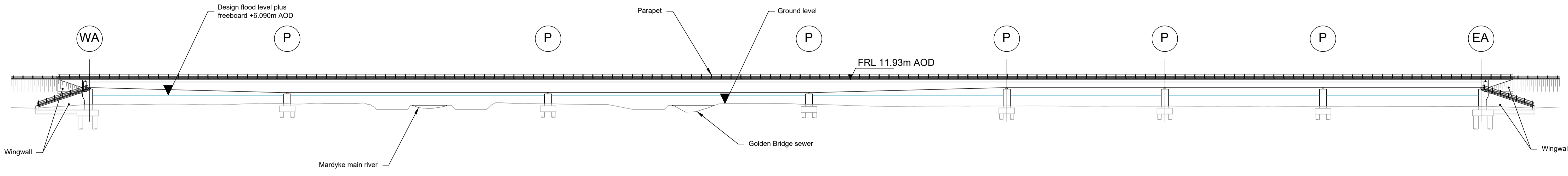
**LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o)</b>				
	<b>WORK NO. 8B</b>				
	<b>SHEET 53</b>				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10083				

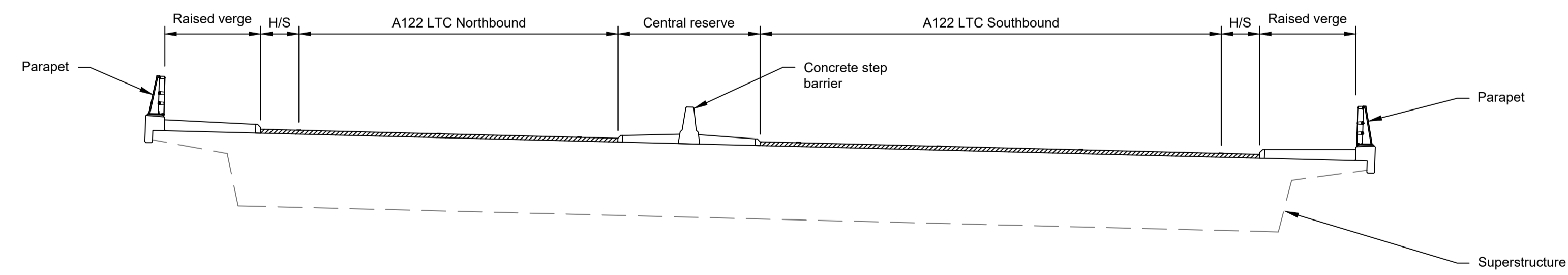




PLAN 1:1000



ELEVATION 1:500

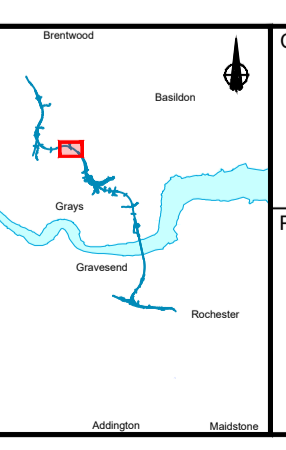
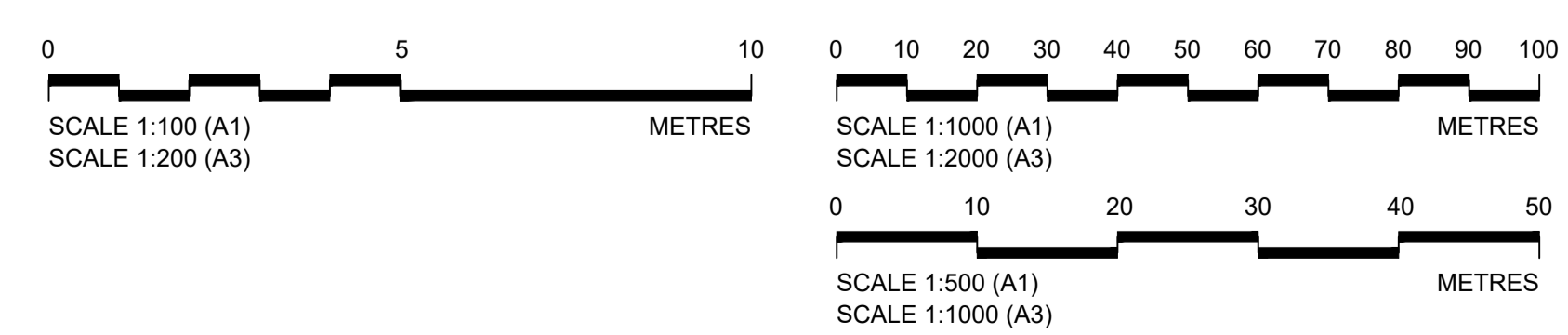


TYPICAL SECTION 1:100

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

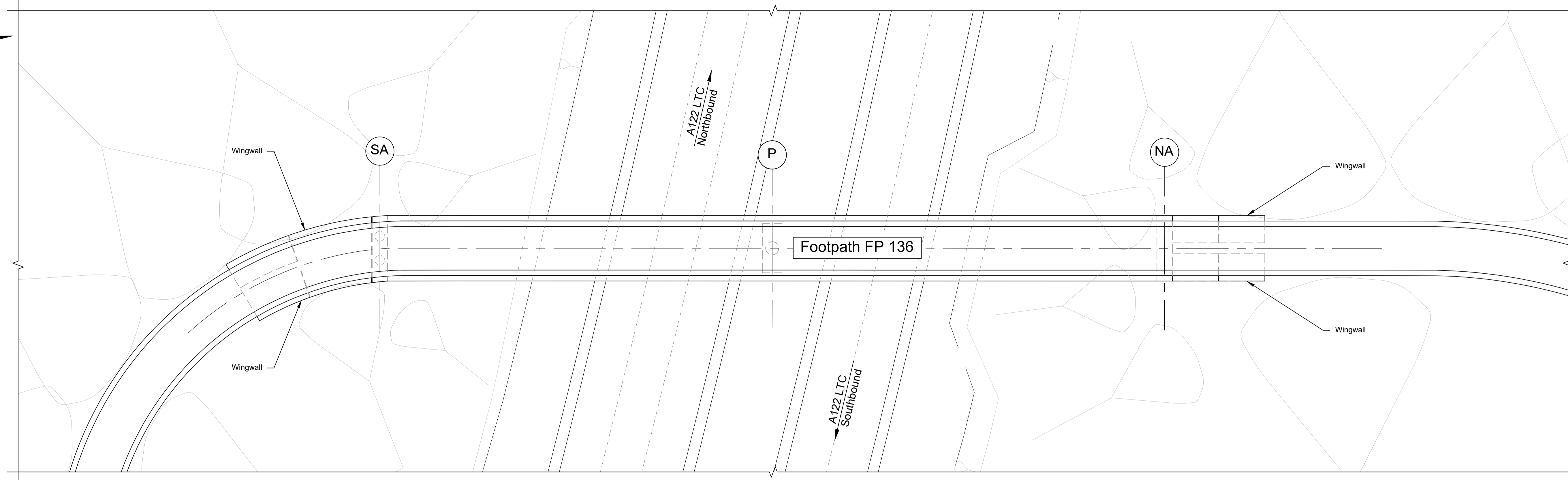
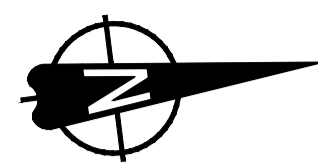
- NOTES:
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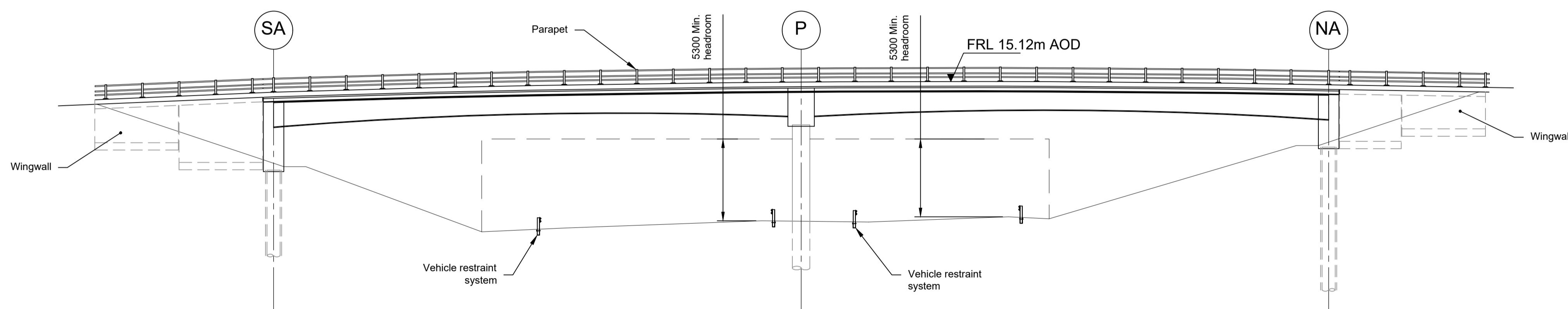
Client: **national highways**

Project: **LOWER THAMES CROSSING**

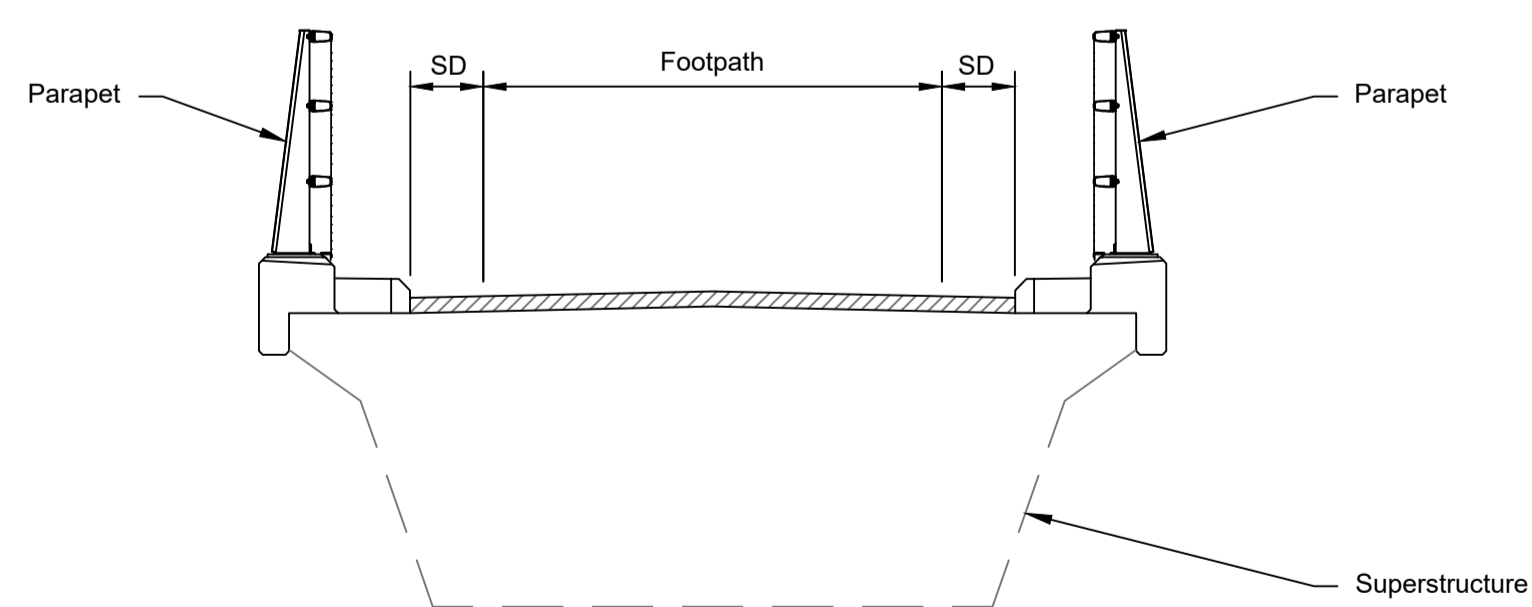
Status	DCO Examination	Original Size	Revision
Application Document Number	TR010032/APP/2.13	A1	P02
Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o)</b>		
	<b>WORK NO. 8B</b>		
	<b>SHEET 54</b>		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10084		



PLAN 1:200



ELEVATION 1:200

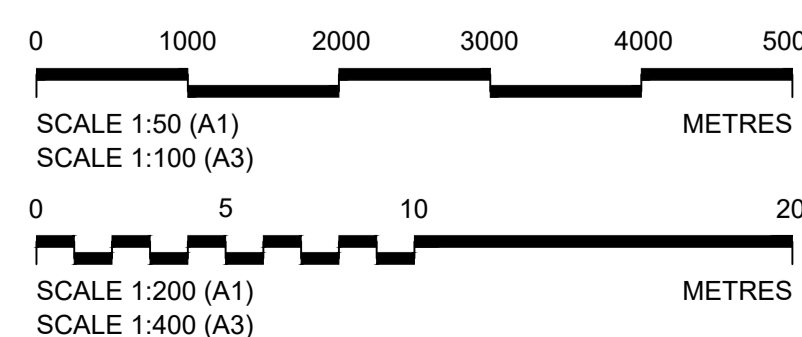


TYPICAL SECTION 1:50

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

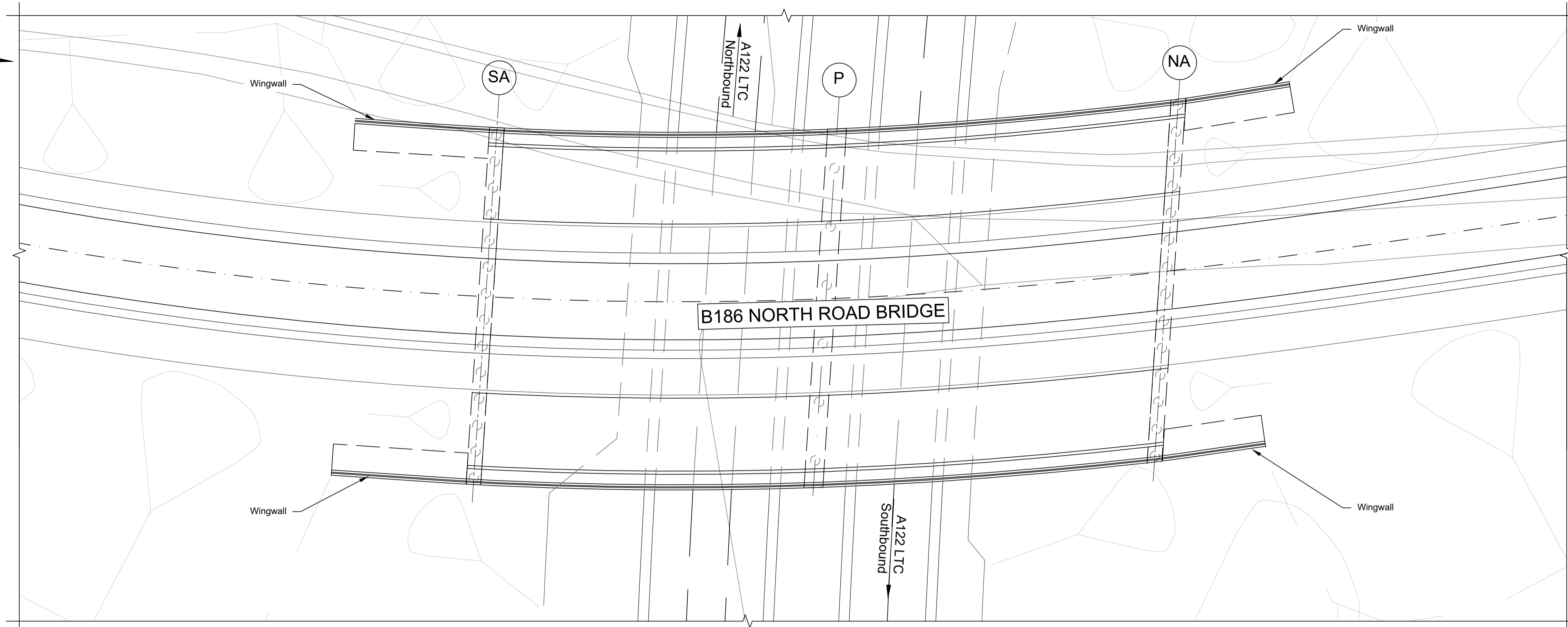
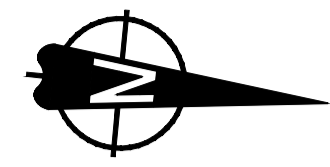
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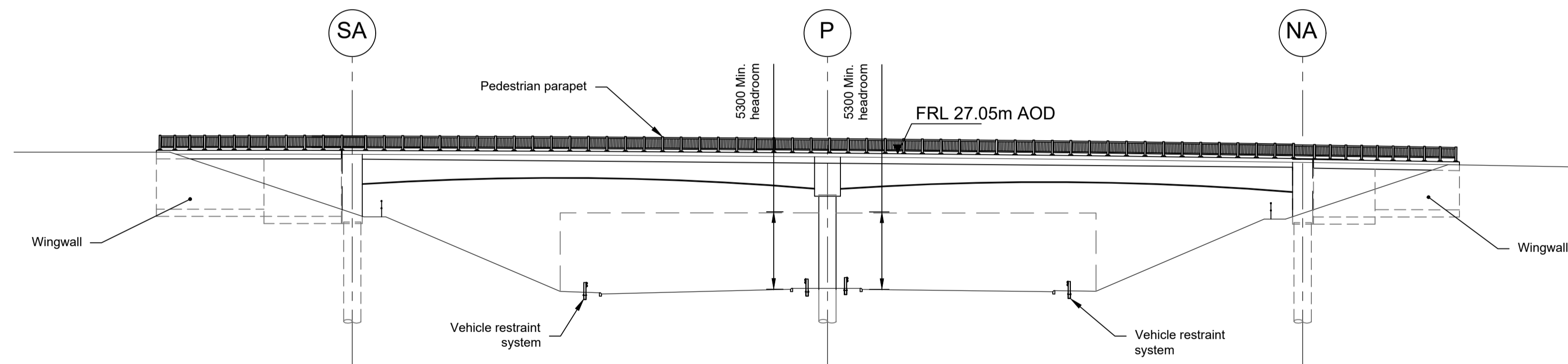
Client  
 national highways  
 Project  
**LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	Revision
Application Document Number	TR010032/APP/2.13	A1	P02
Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o)</b>		
	<b>WORK NO. 8C</b>		
	<b>SHEET 55</b>		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000 -DR-CB-10085		

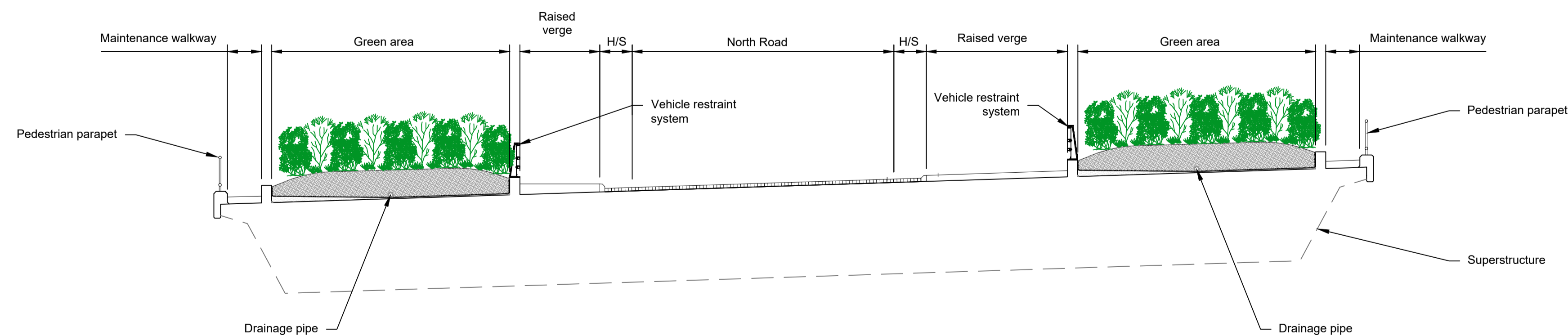




PLAN 1:250



ELEVATION 1:250

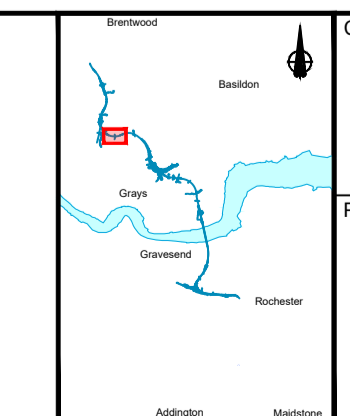
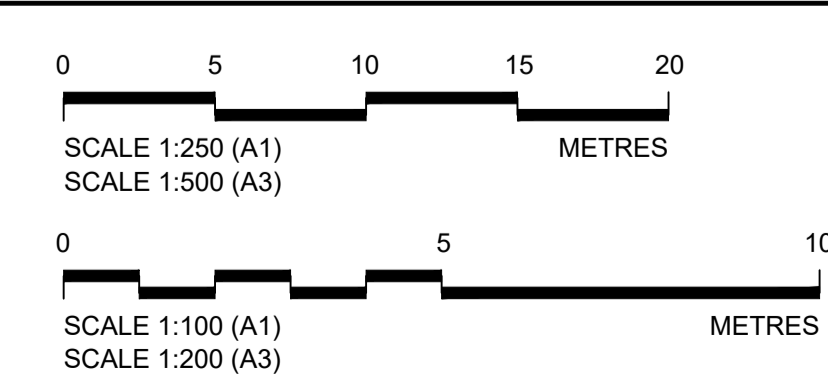


TYPICAL SECTION 1:100

LEGEND	
	EMBANKMENT/CUTTING
	SOUTH ABUTMENT
	PIER
	NORTH ABUTMENT
	HARDSTRIP

Contains Ordnance Survey data. © Crown copyright and database rights 2023. Ordnance Survey 100035649									
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd			
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB			
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB			

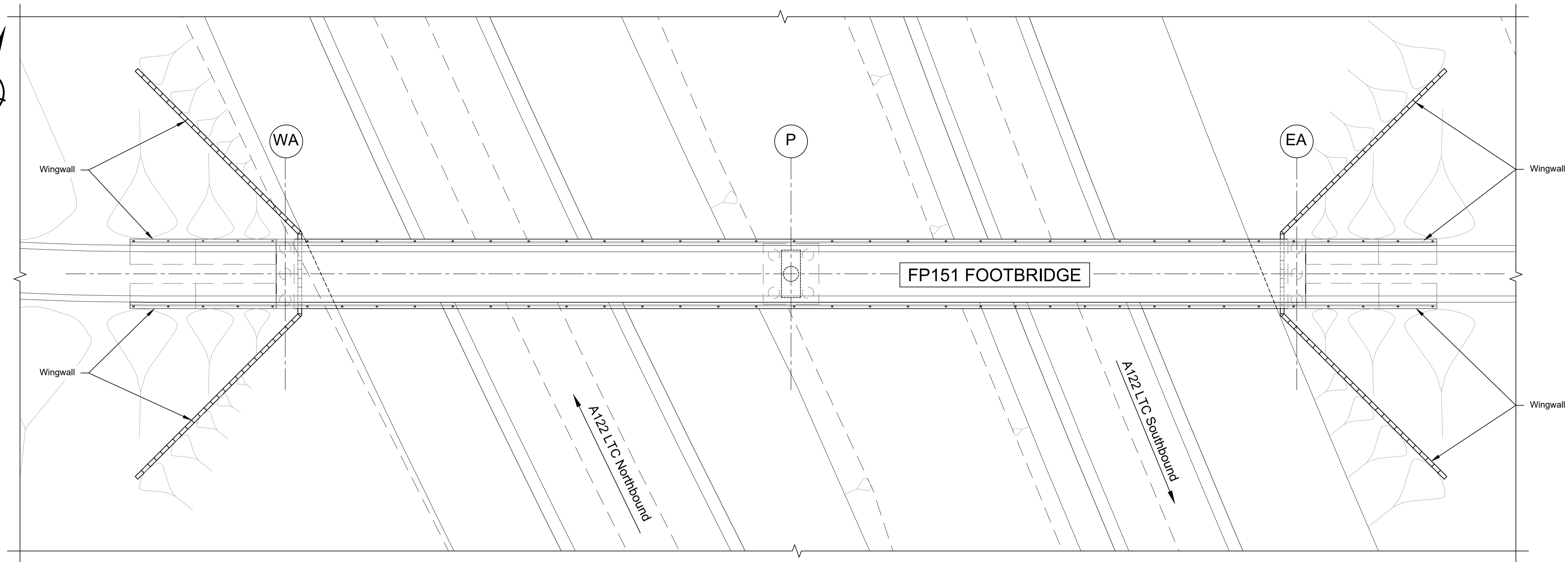
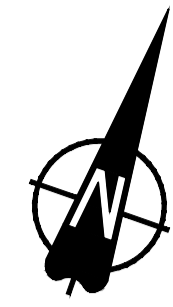
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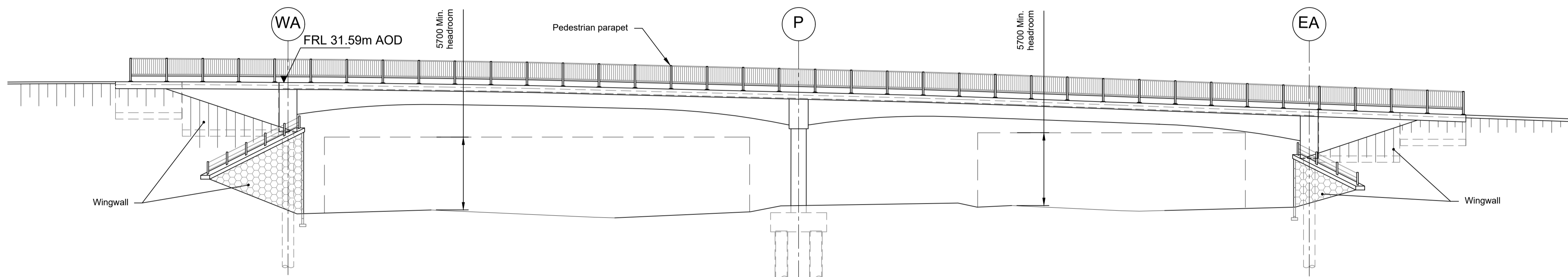
Client: **national highways**

Project: **LOWER THAMES CROSSING**

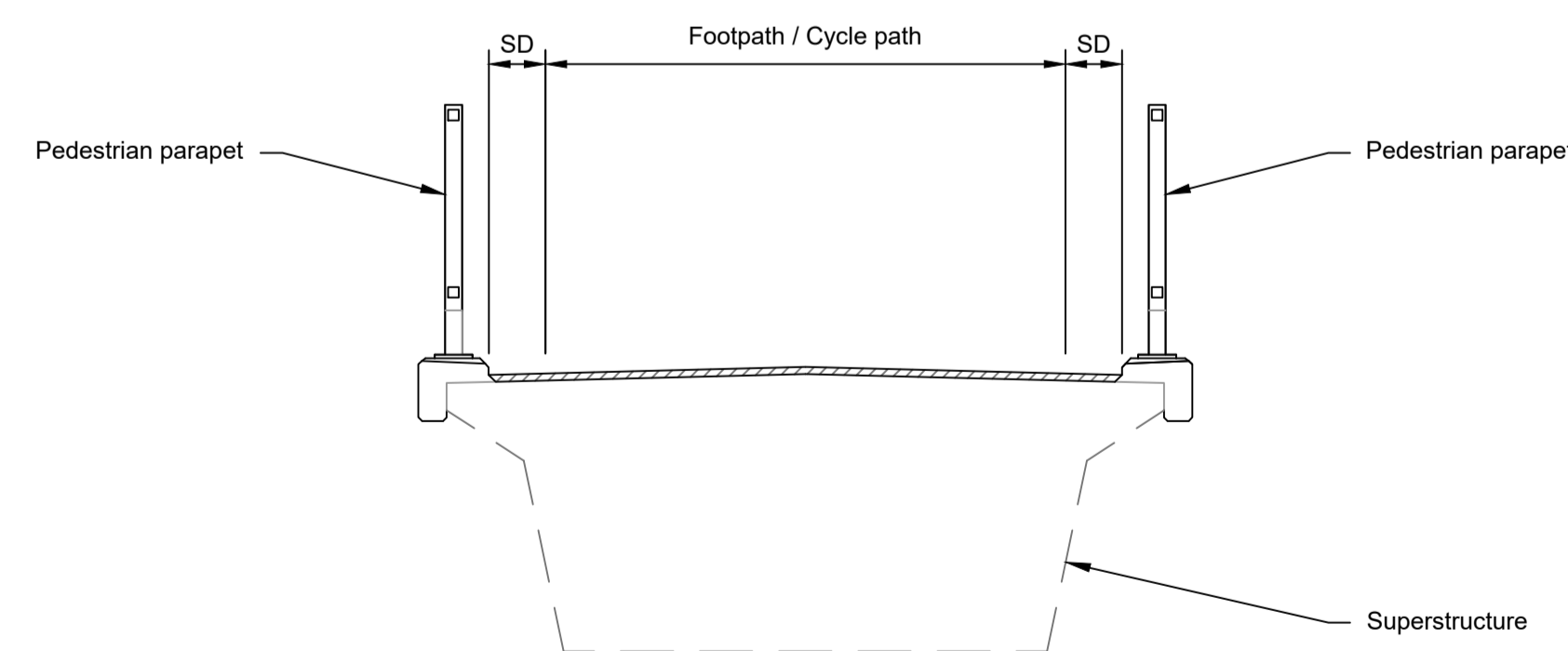
Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o)</b>				
	<b>WORK NO. 8D</b>				
	<b>SHEET 56</b>				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10086				



PLAN 1:200



ELEVATION 1:200

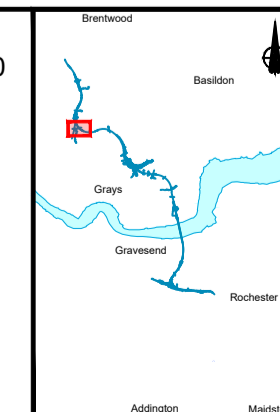
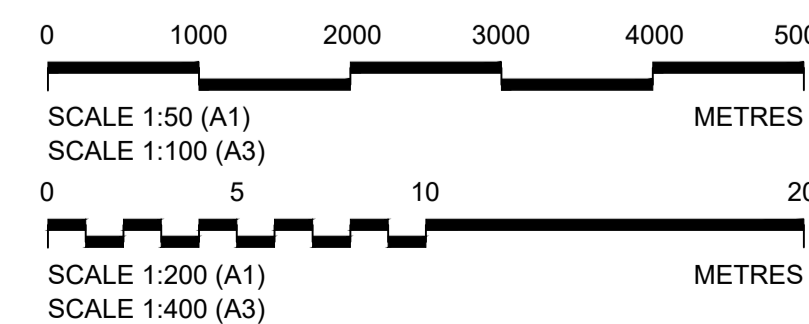


TYPICAL SECTION 1:50

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

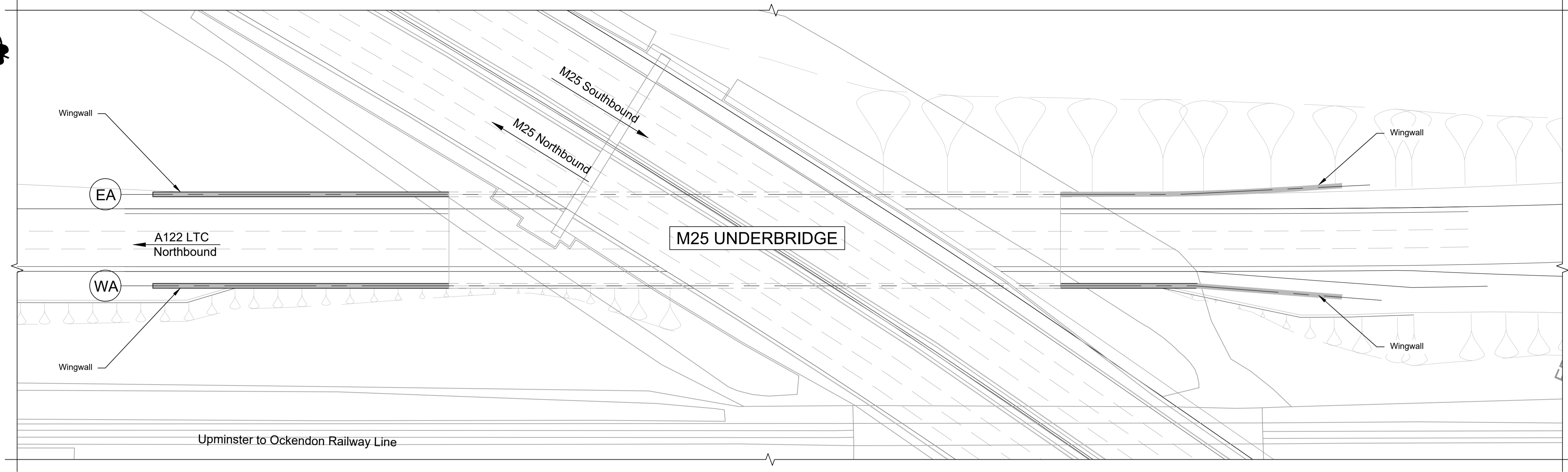
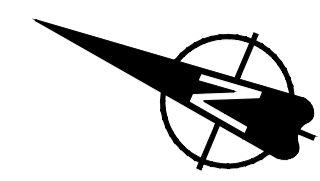
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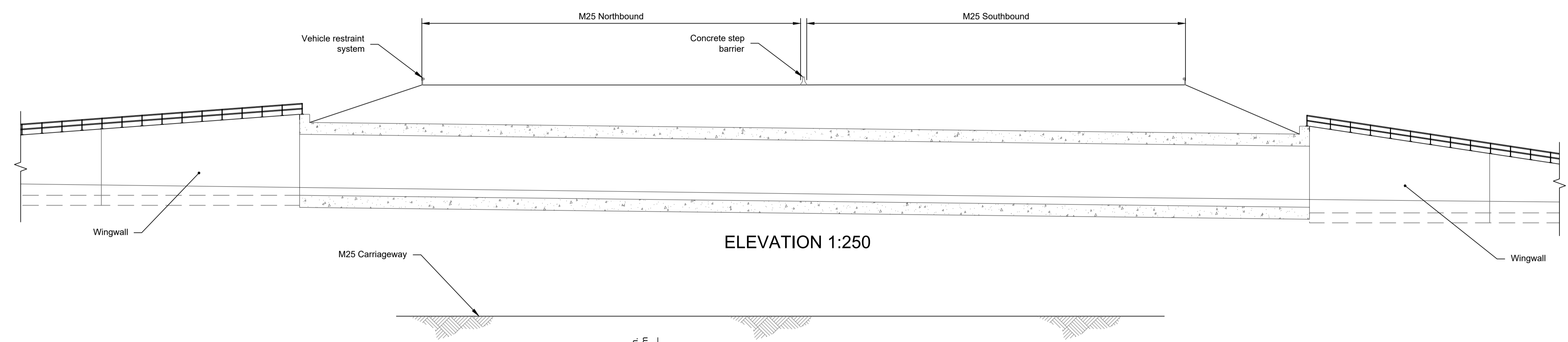
Client  
 national highways  
 Project  
**LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	Revision
Application Document Number	TR010032/APP/2.13	A1	P02
Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o)</b>		
	<b>WORK NO. 9M</b>		
	<b>SHEET 57</b>		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10087		

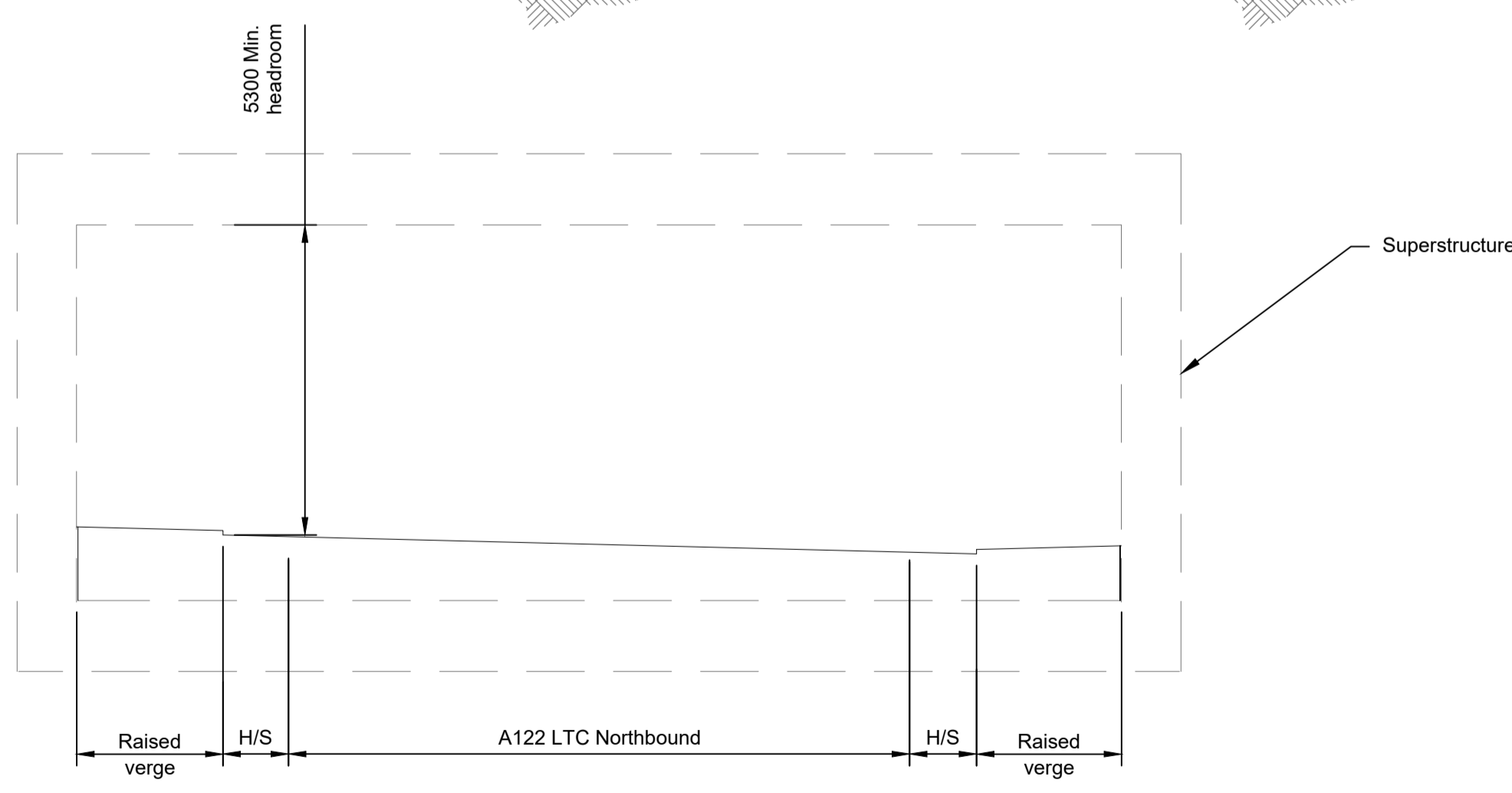




PLAN 1:500



ELEVATION 1:250

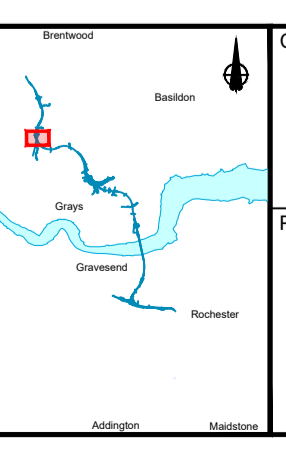
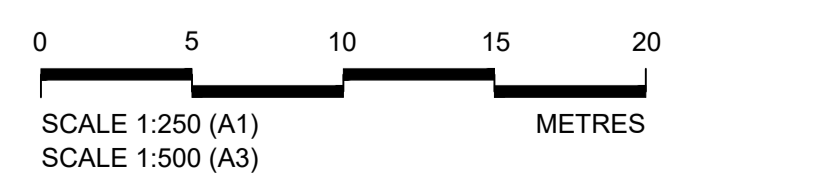
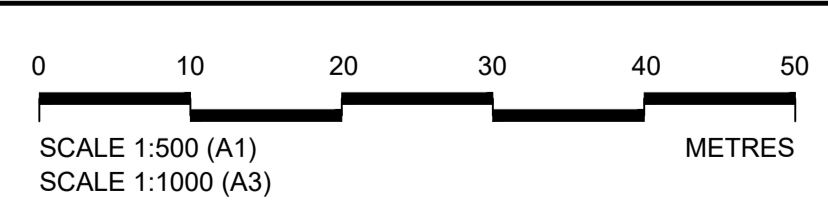
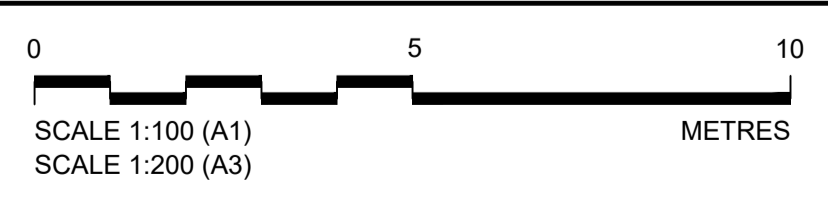


TYPICAL SECTION 1:100

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

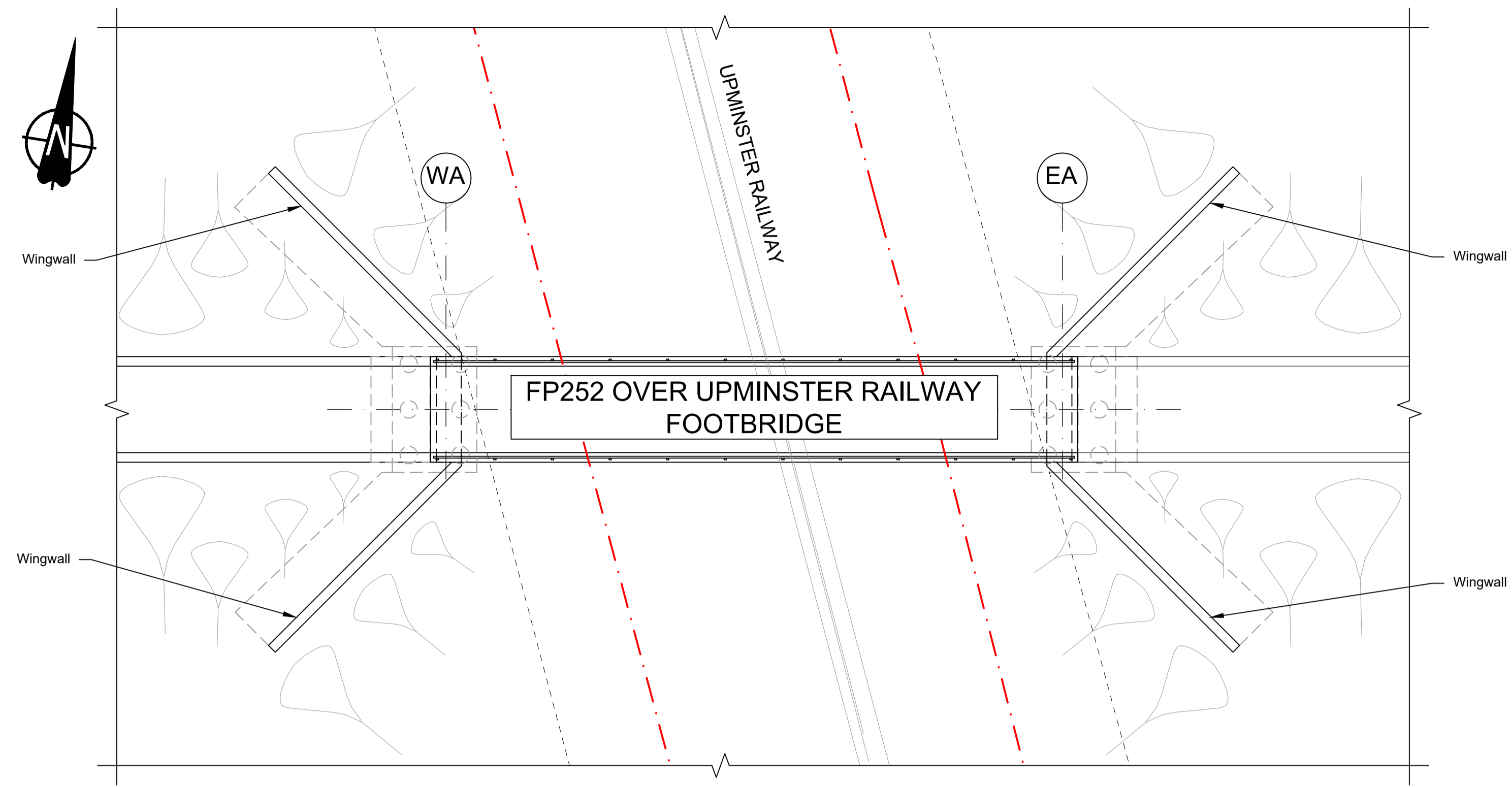
- NOTES:
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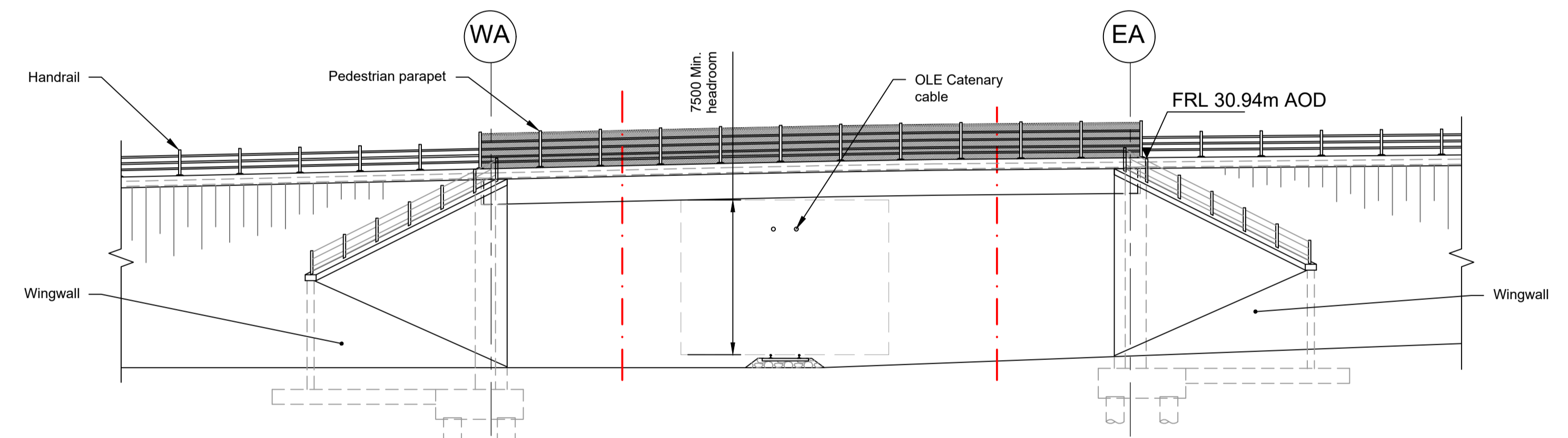
Client: **national highways**

Project: **LOWER THAMES CROSSING**

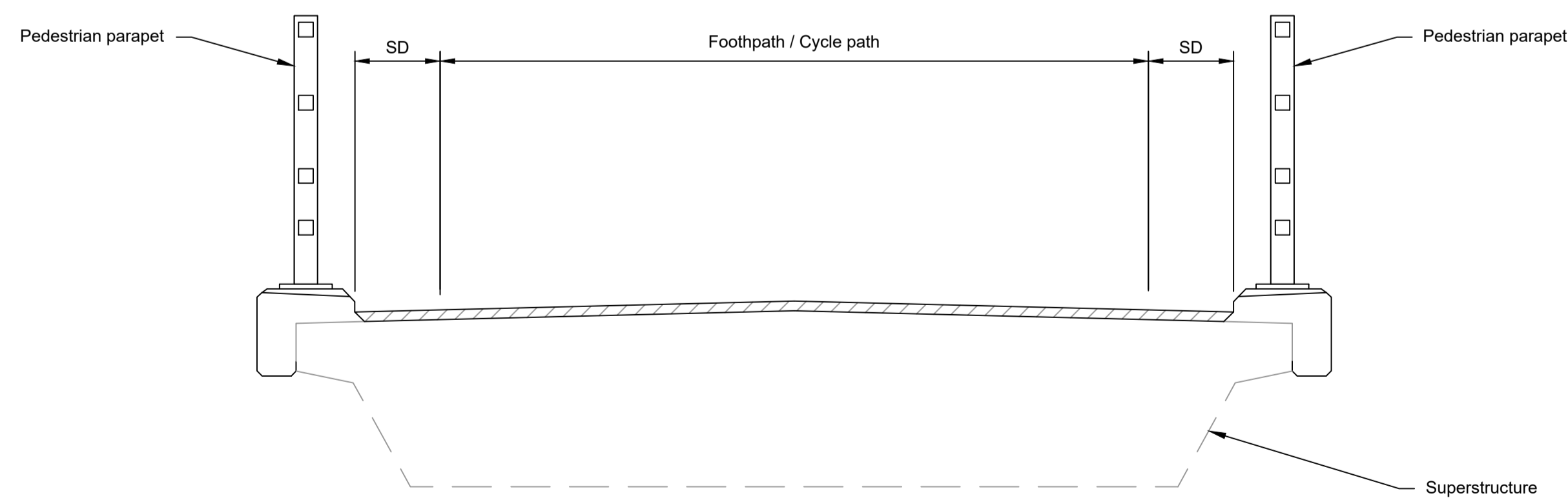
Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o)</b>				
	<b>WORK NO. 9A</b>				
	<b>SHEET 58</b>				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10088				



PLAN 1:200



ELEVATION 1:200

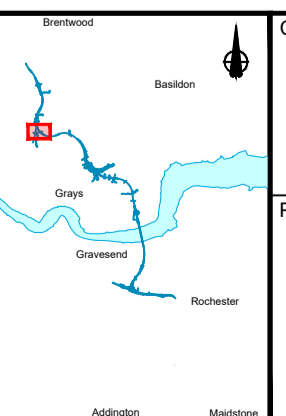
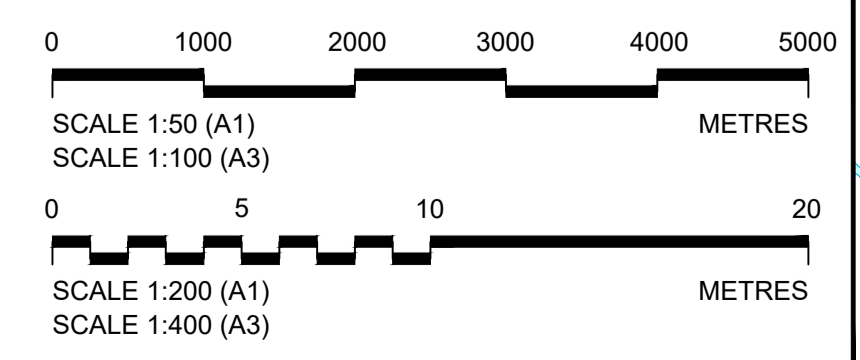


TYPICAL SECTION 1:50

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

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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**

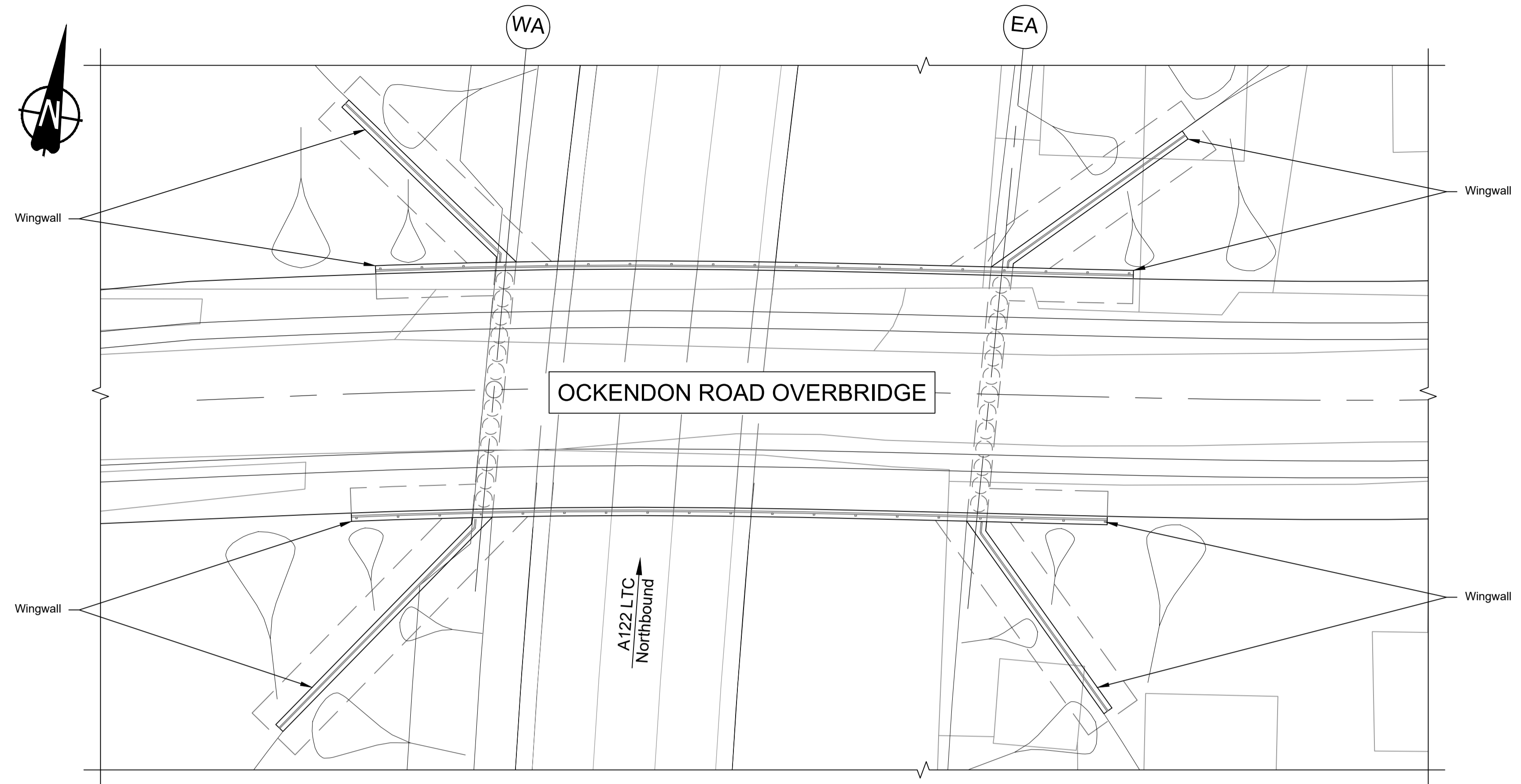
Client

Project

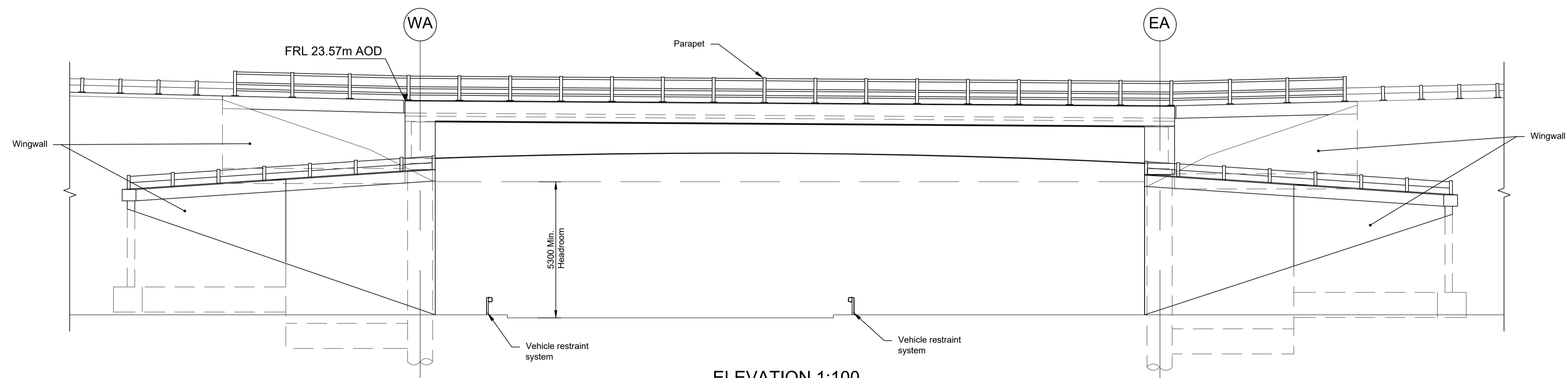
**LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o)</b>				
	<b>WORK NO. 9M</b>				
	<b>SHEET 59</b>				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10089				

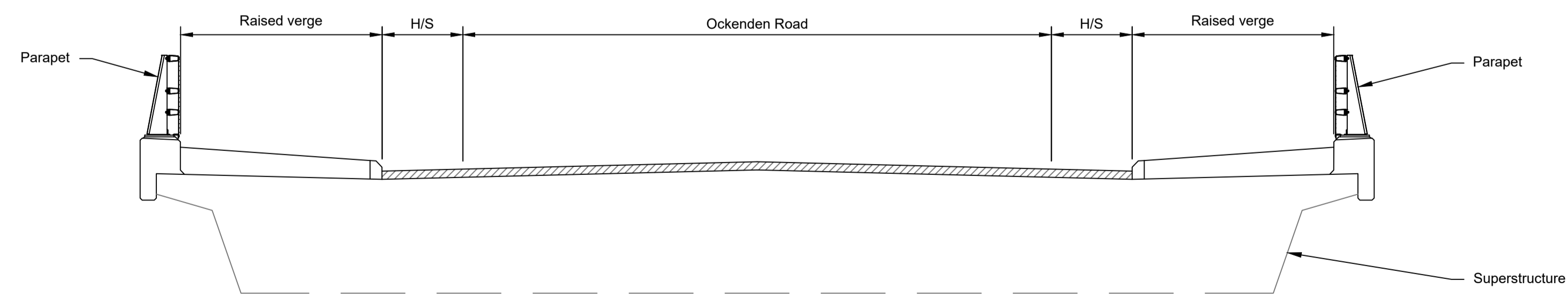




PLAN 1:200



ELEVATION 1:100

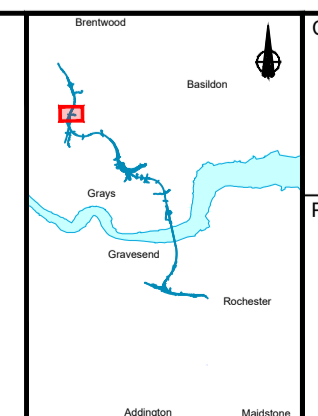
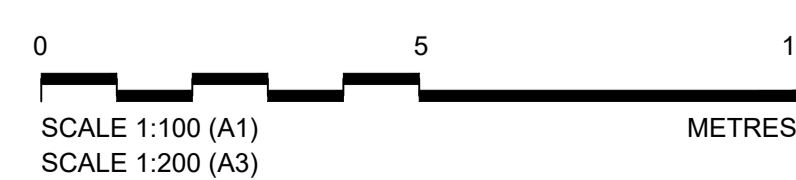
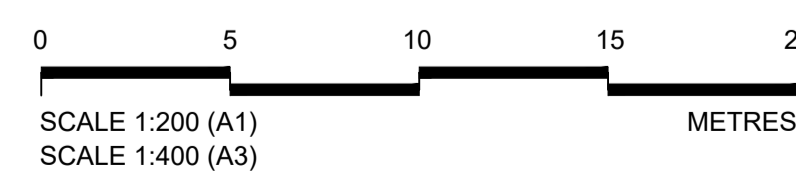
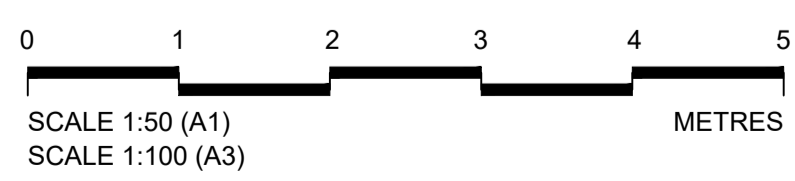


TYPICAL SECTION 1:50

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

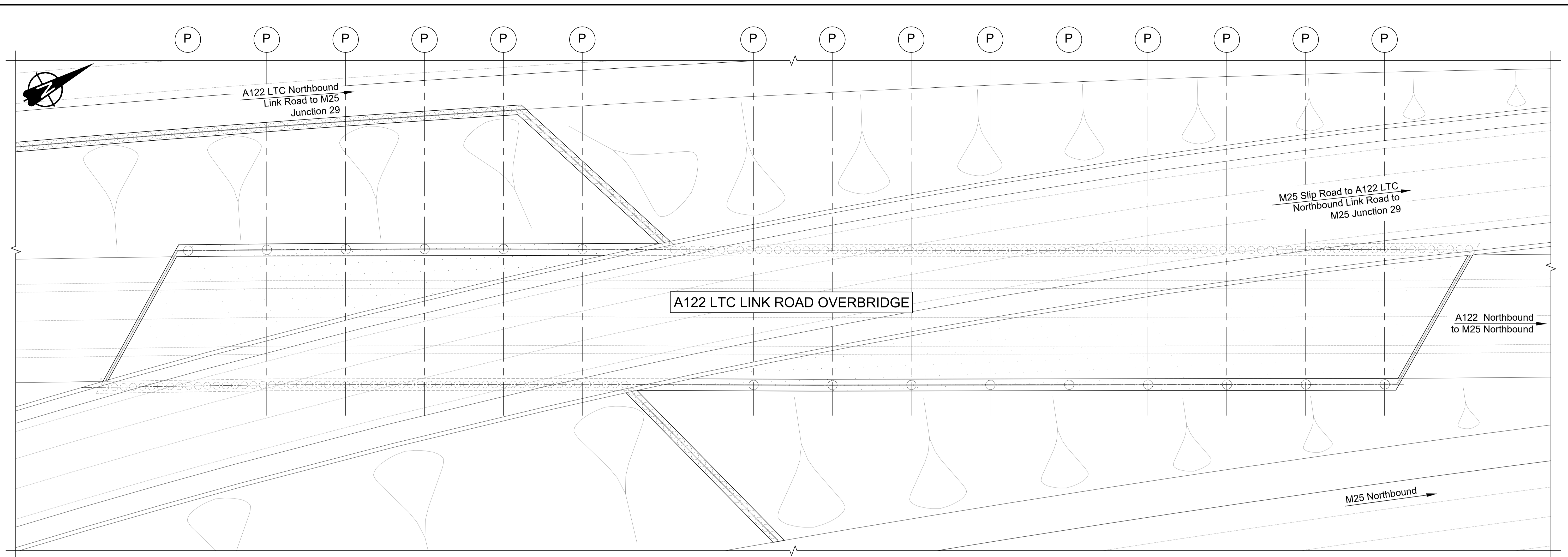
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  - Full length of piles not shown.



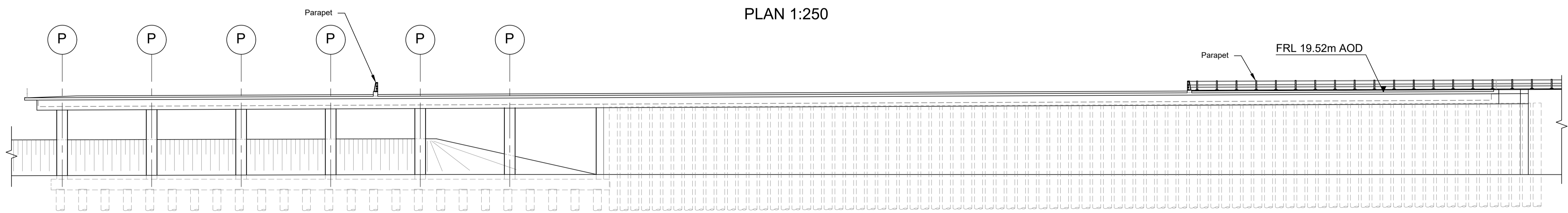
Client: national highways

Project: LOWER THAMES CROSSING

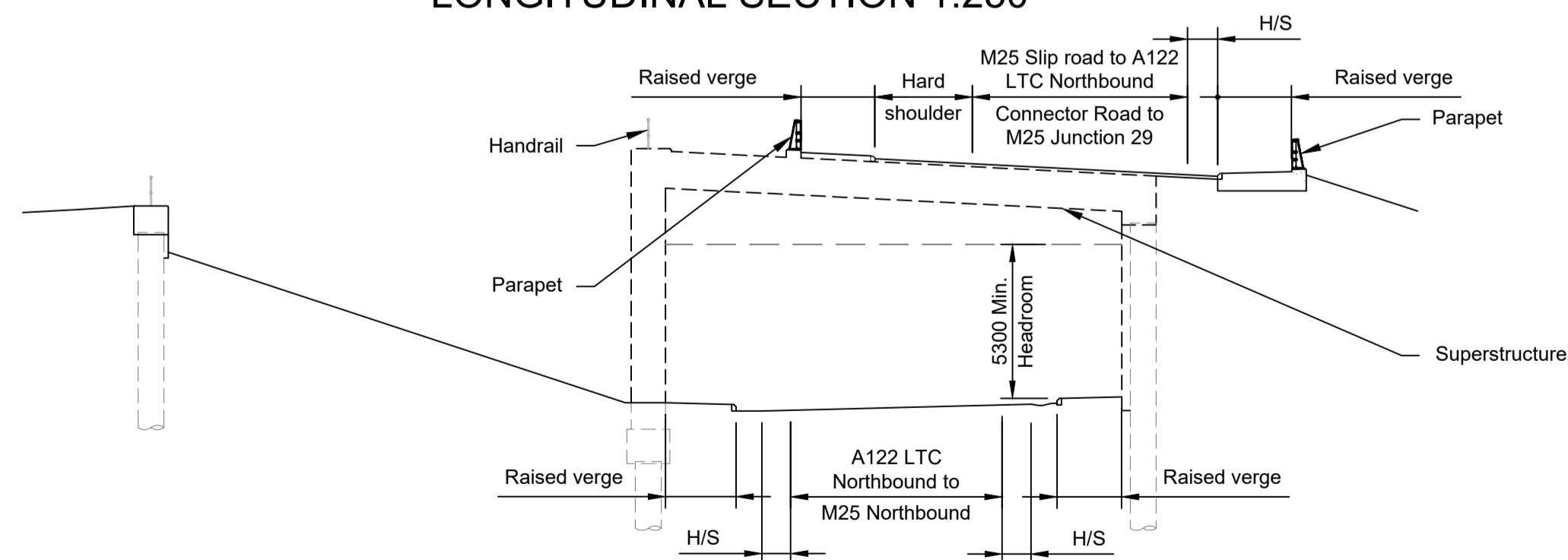
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Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	STRUCTURES PLANS 5(2)(o) WORK NO. 9N SHEET 60				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10090				



PLAN 1:250



LONGITUDINAL SECTION 1:250

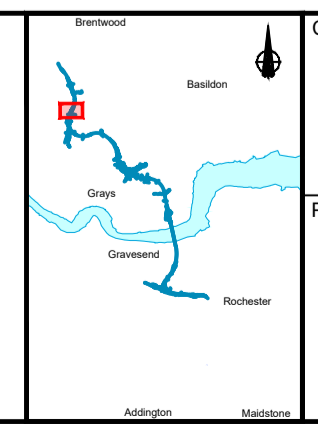
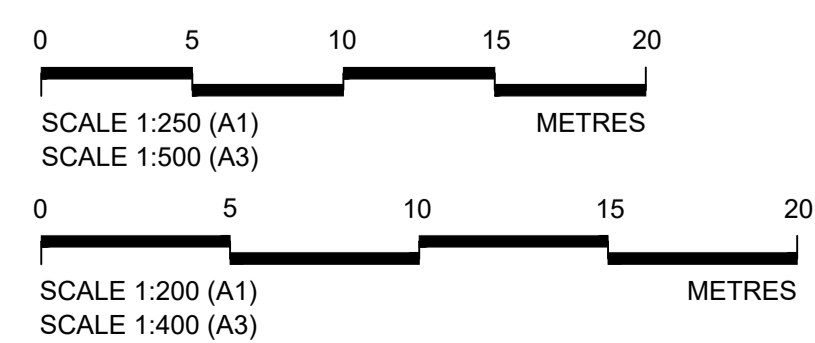


SECTION 1:200

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

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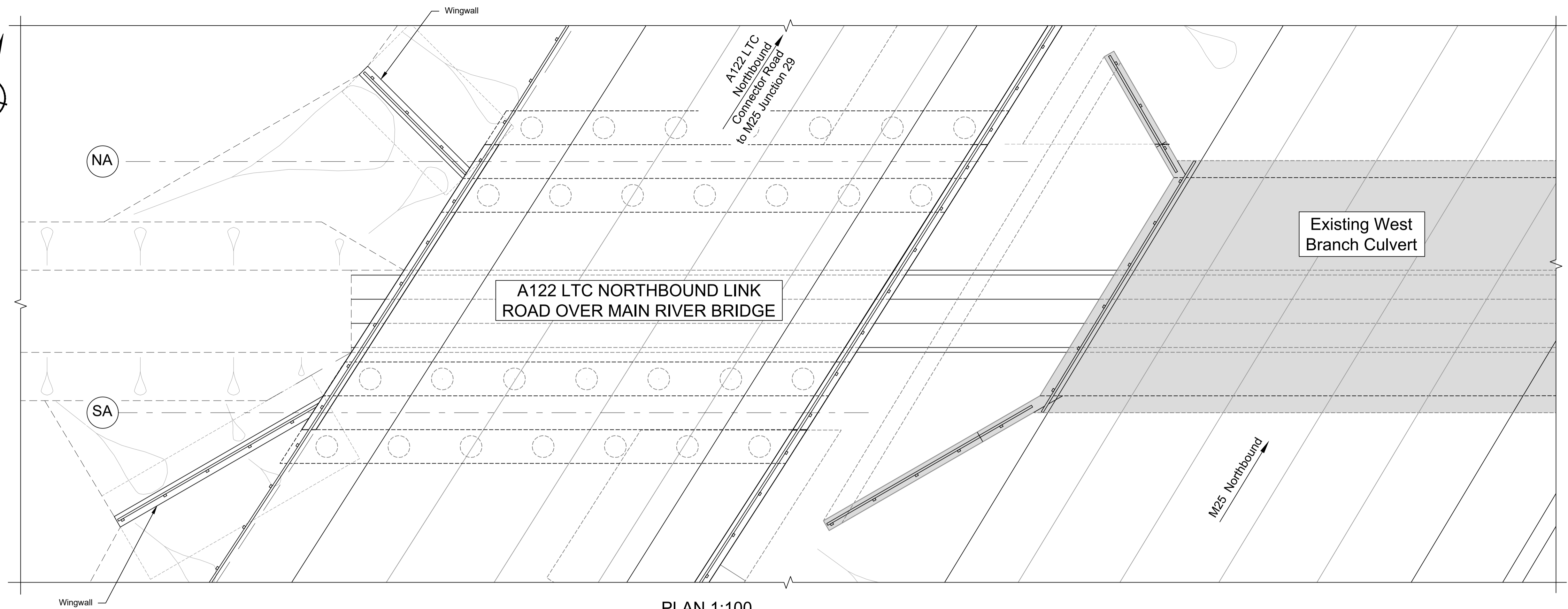
Client

Project

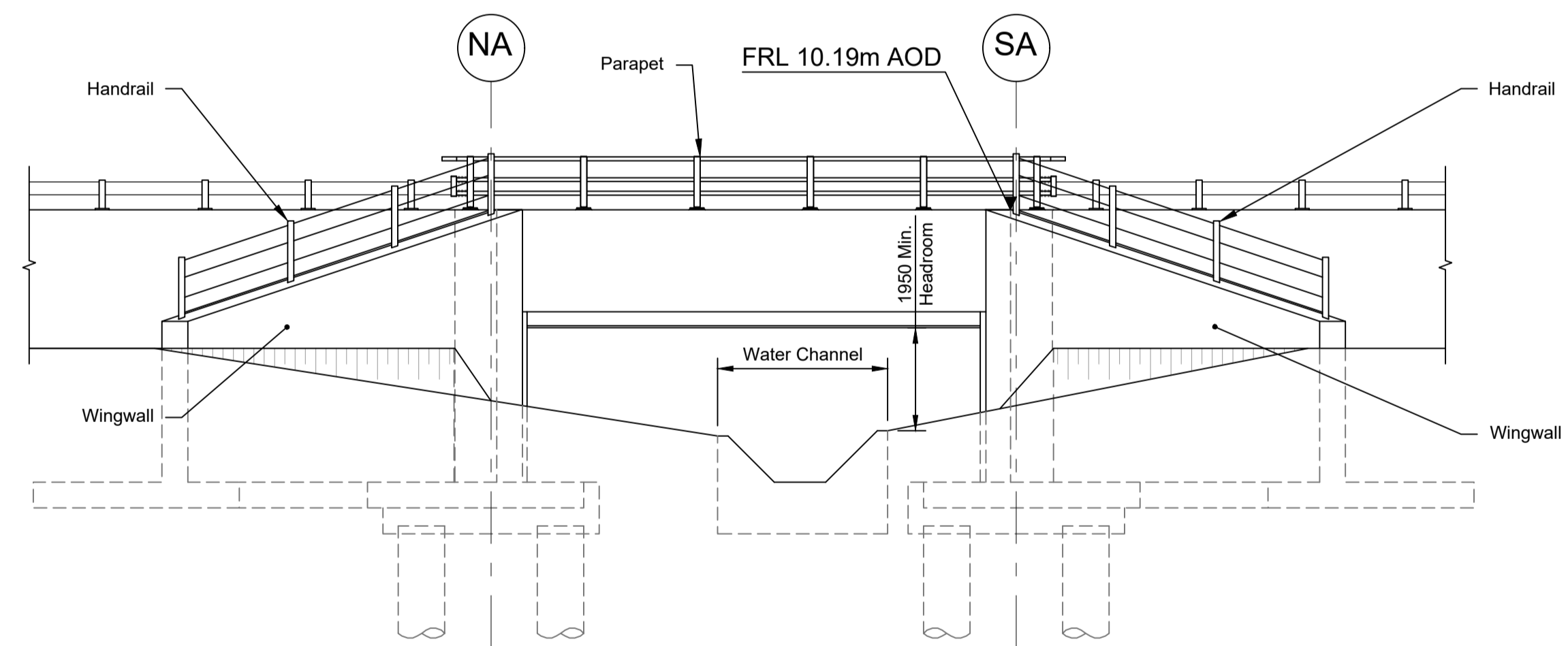
**LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	Revision
Application Document Number	TR010032/APP/2.13	A1	P02
Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o)</b>		
	<b>WORK NO. 9A</b>		
	<b>SHEET 61</b>		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000 -DR-CB-10091		

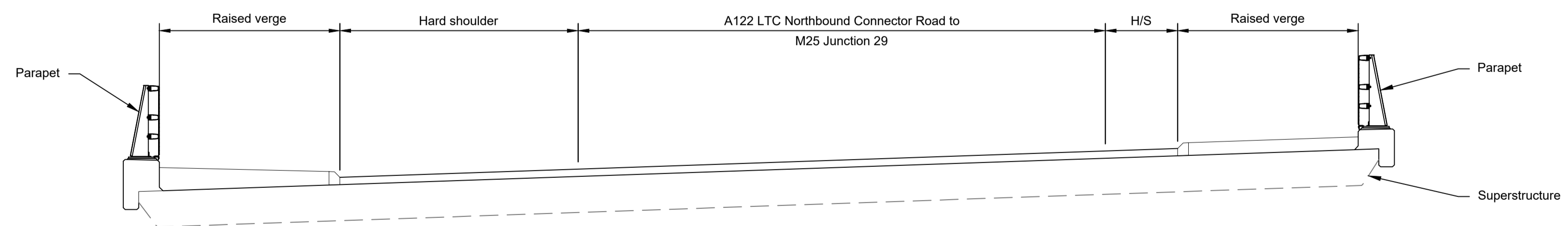




PLAN 1:100



ELEVATION 1:100

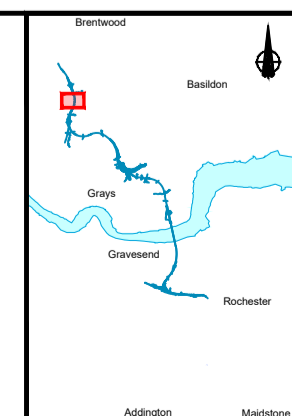
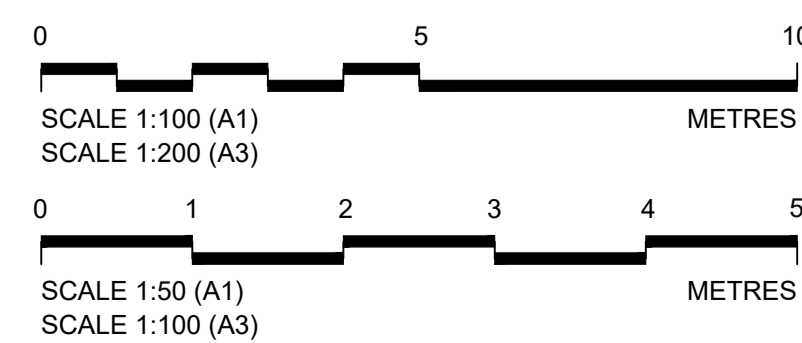


TYPICAL SECTION 1:50

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

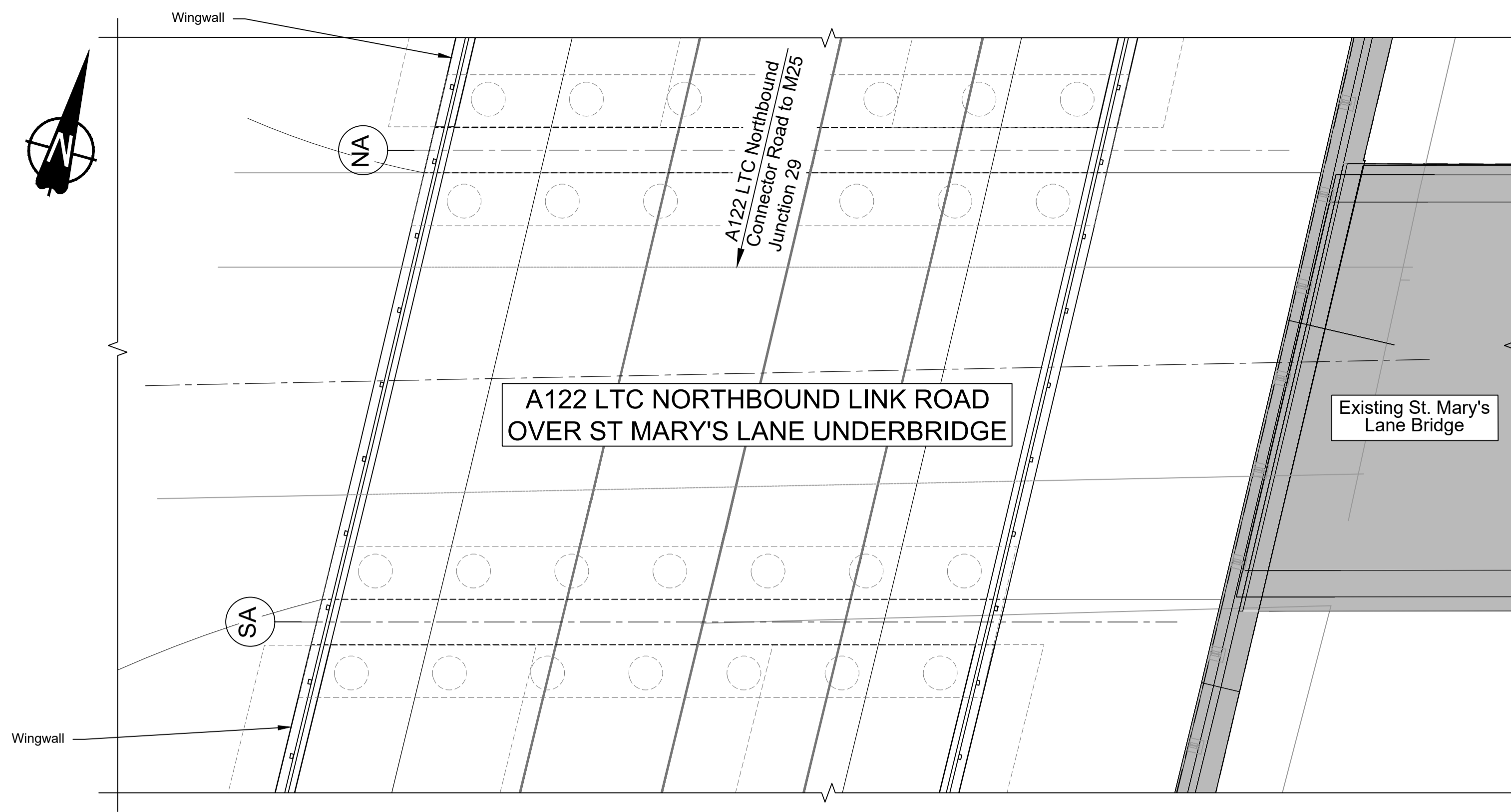
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd				
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB				
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB				

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  - Full length of piles not shown.

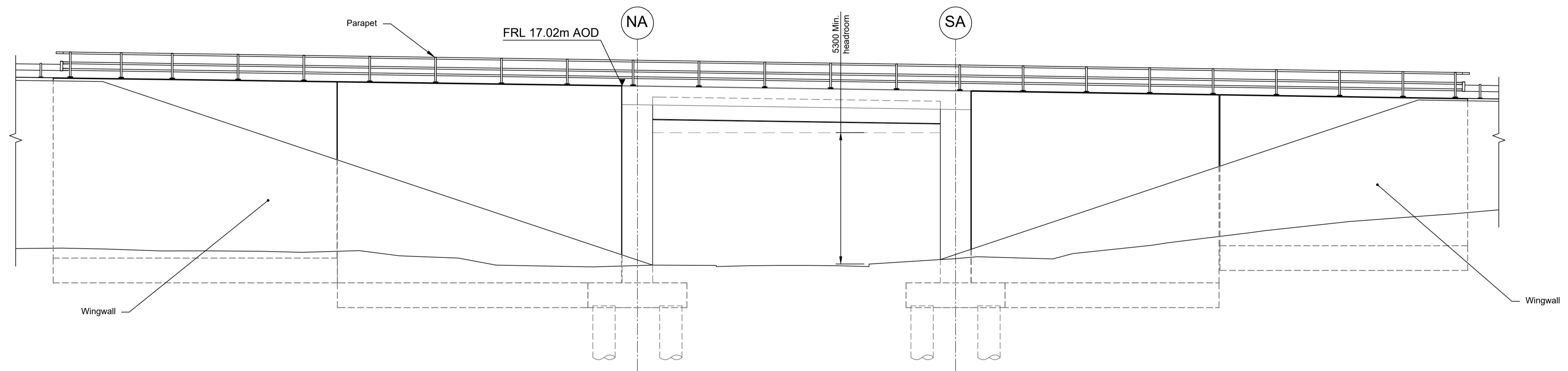


Client  
 national highways  
 Project  
**LOWER THAMES CROSSING**

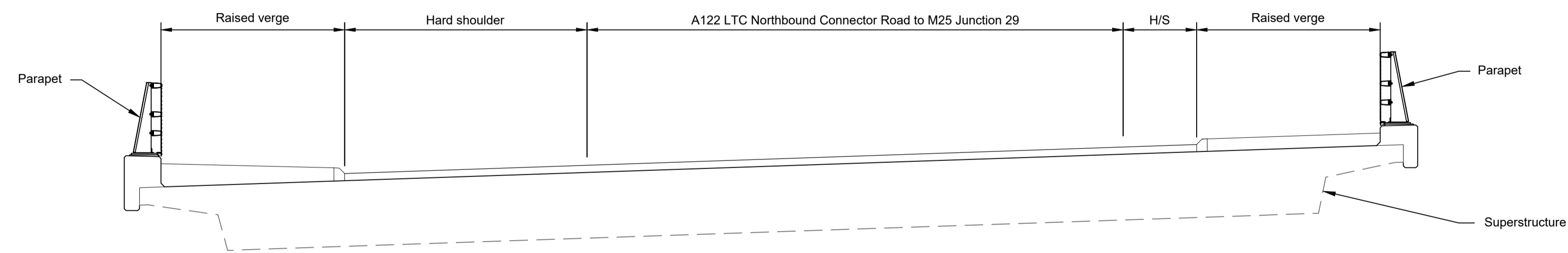
Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o)</b>				
	<b>WORK NO. 9D</b>				
	<b>SHEET 62</b>				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10092				



PLAN 1:100



ELEVATION 1:100



TYPICAL SECTION 1:50

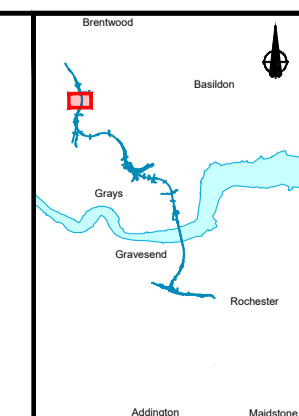
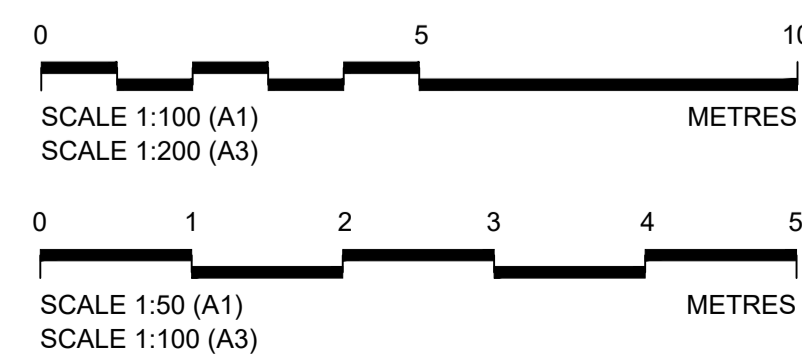
LEGEND

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

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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

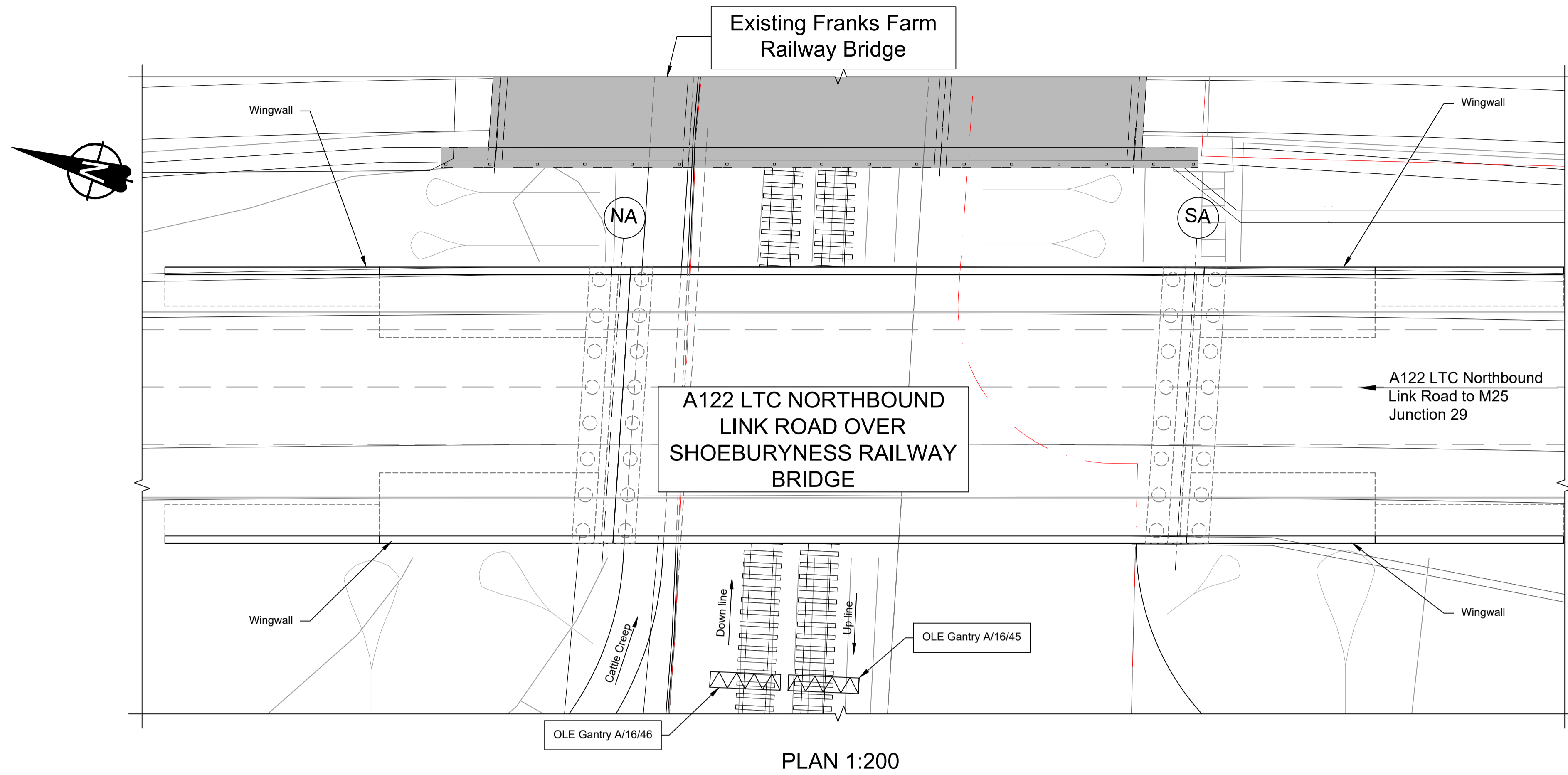
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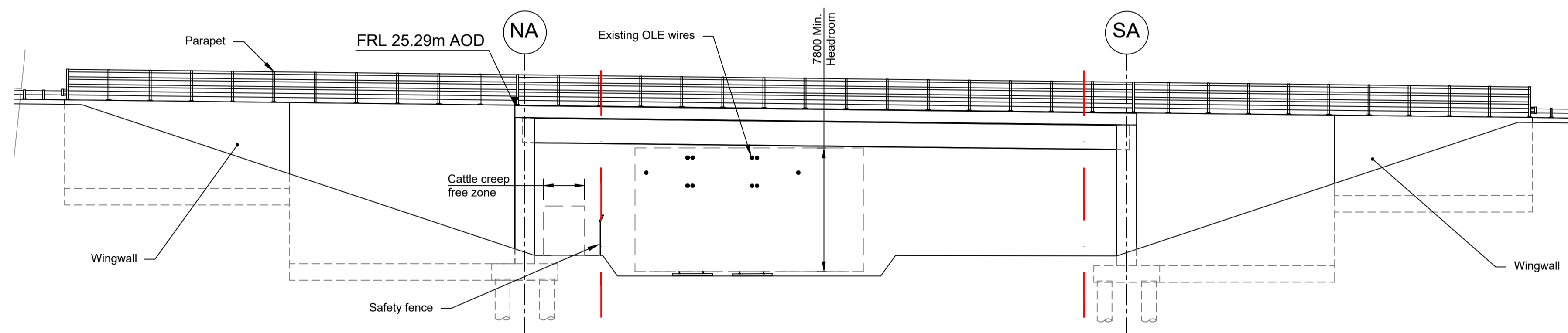
Client  
 national highways  
 Project  
**LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o)</b> <b>WORK NO. 9D</b> <b>SHEET 63</b>				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10093				

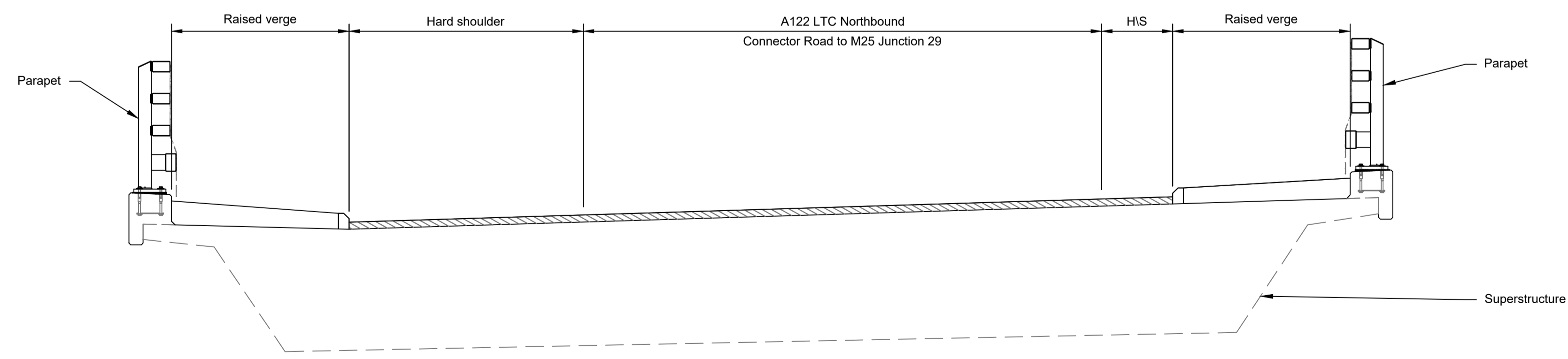




PLAN 1:200



ELEVATION 1:200



TYPICAL SECTION 1:50

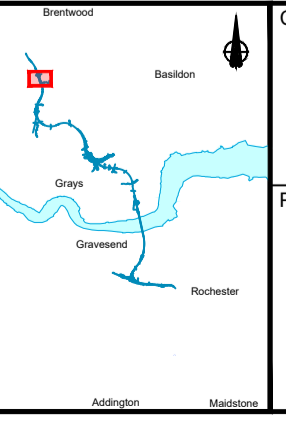
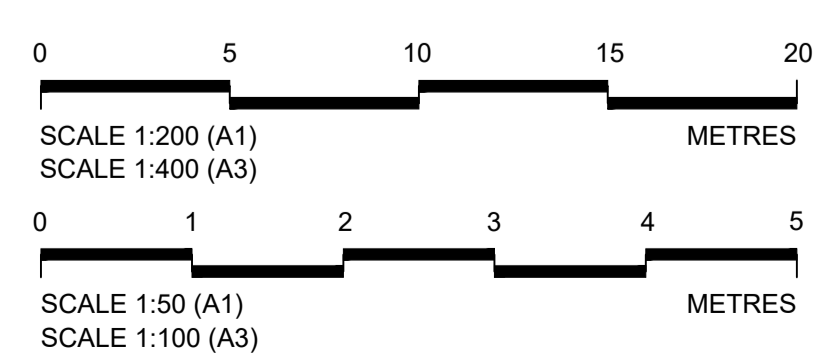
LEGEND

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

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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

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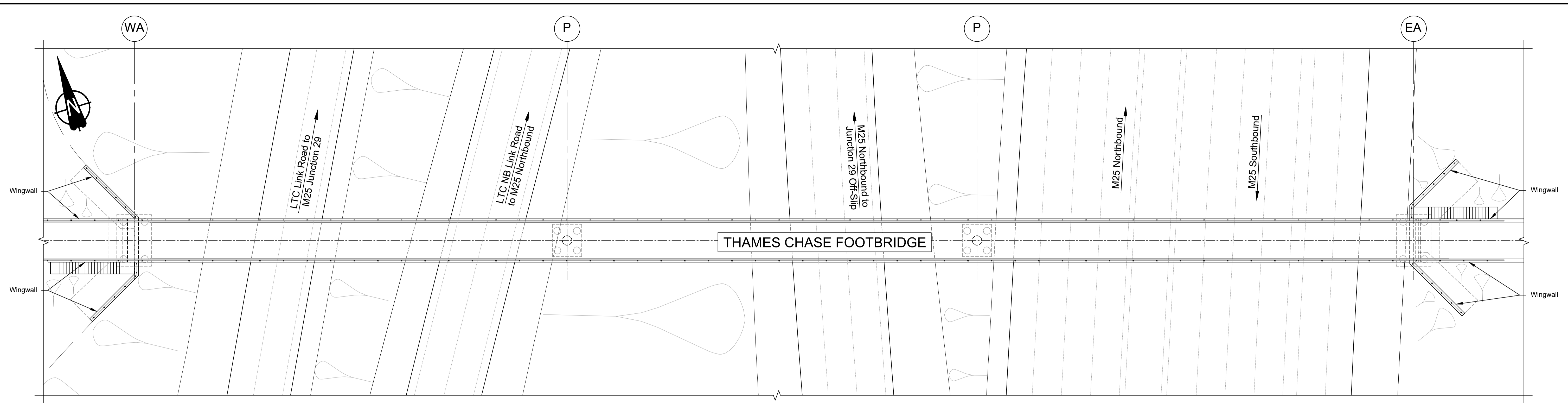


Client

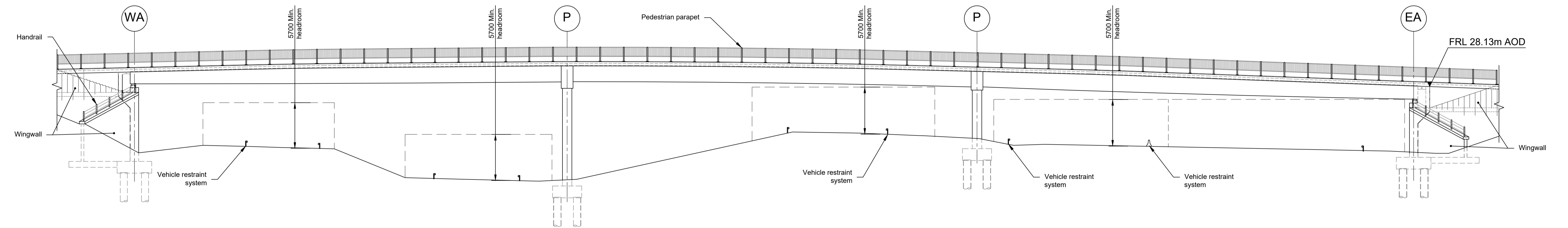
Project

**LOWER THAMES CROSSING**

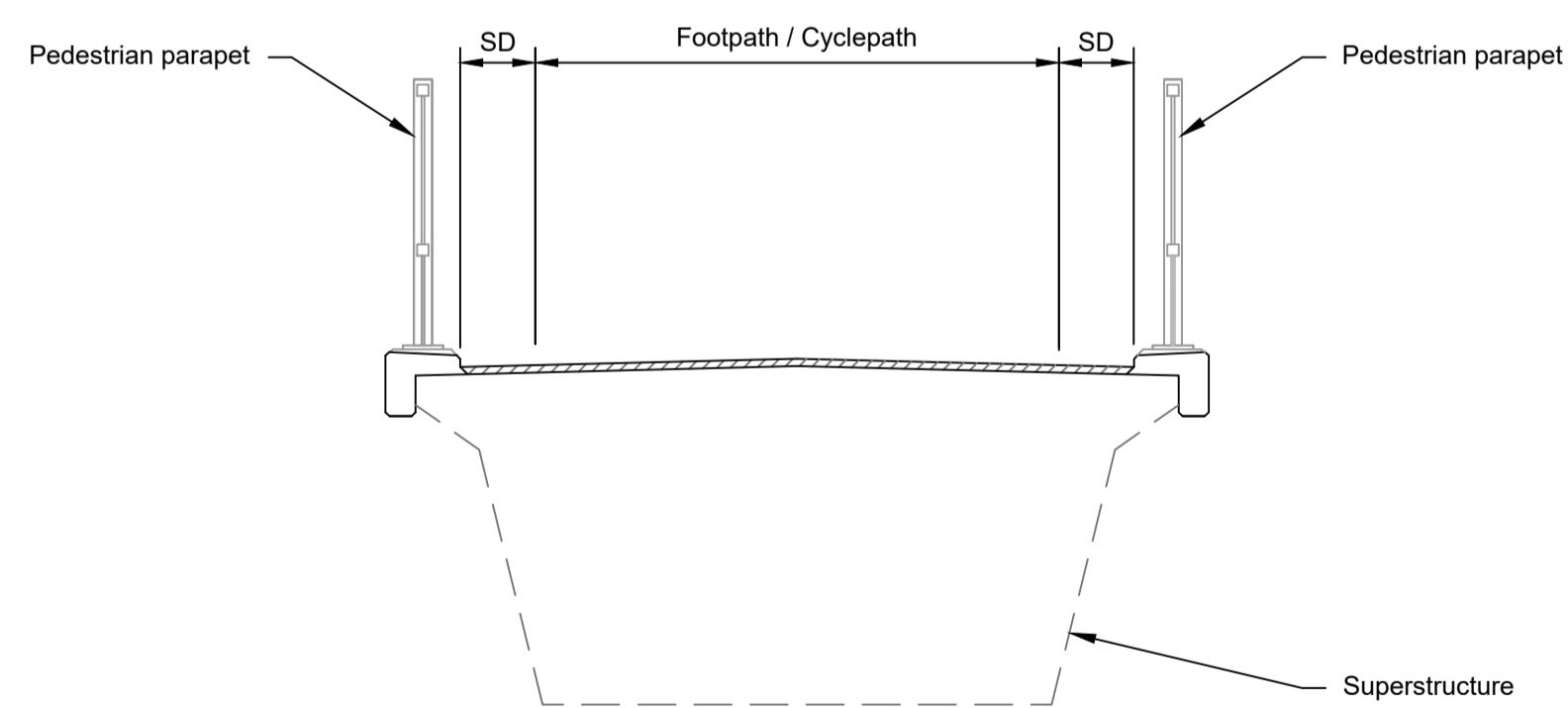
Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o)</b>				
	<b>WORK NO. 9D</b>				
	<b>SHEET 64</b>				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10094				



PLAN 1:250



ELEVATION 1:250

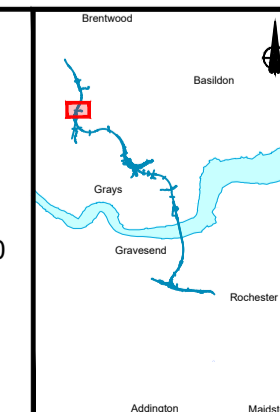
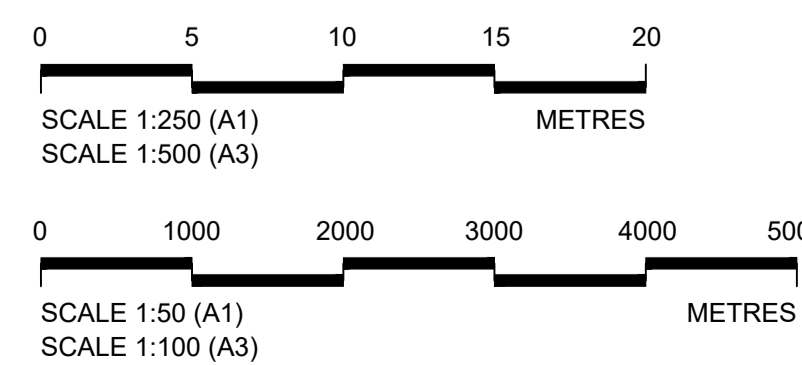


TYPICAL SECTION 1:50

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

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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd	PG1	BB	ASB	
P01	S8	19/10/2022	DCO Application							
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB				

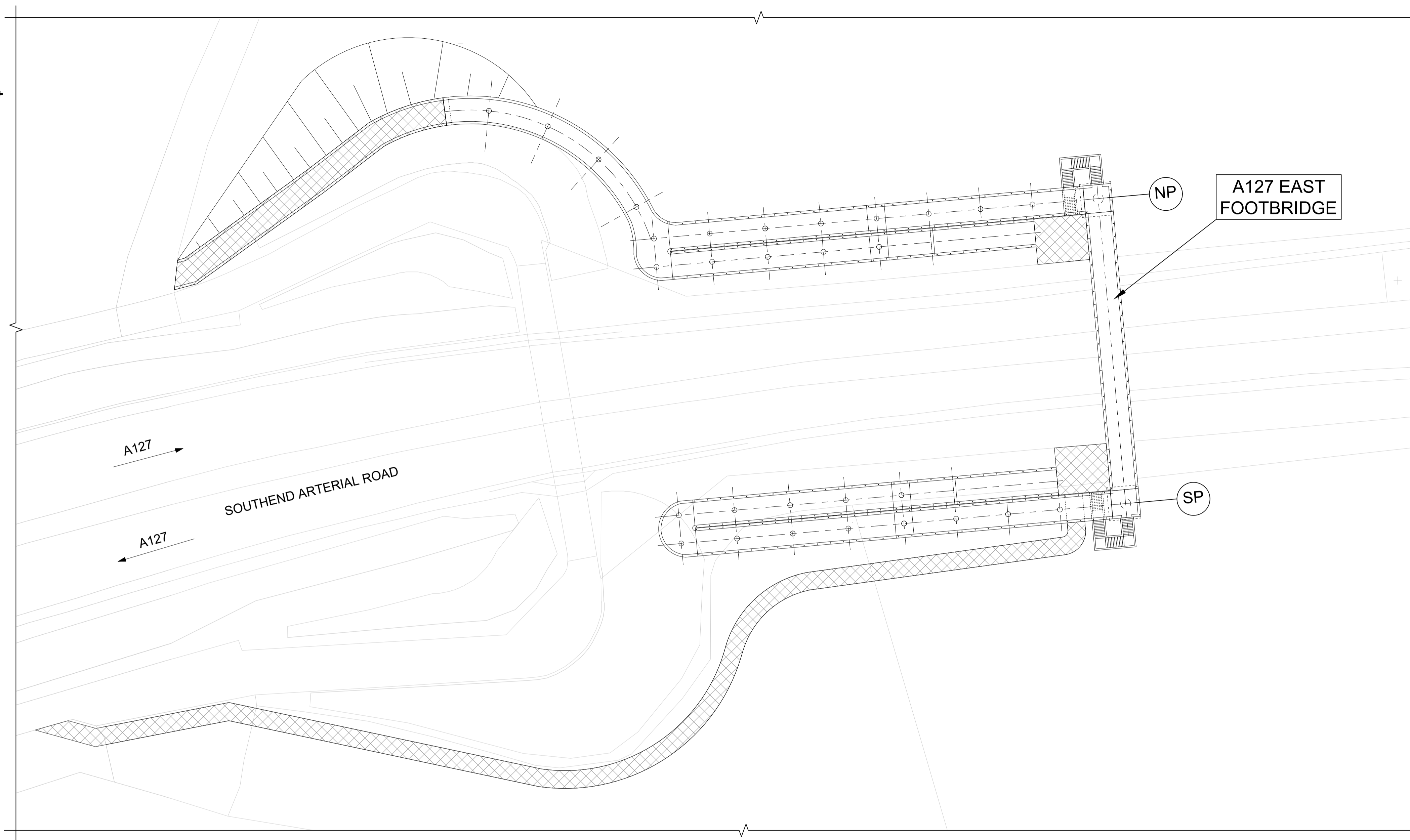
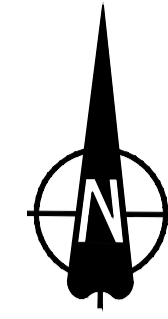
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  - Full length of piles not shown.



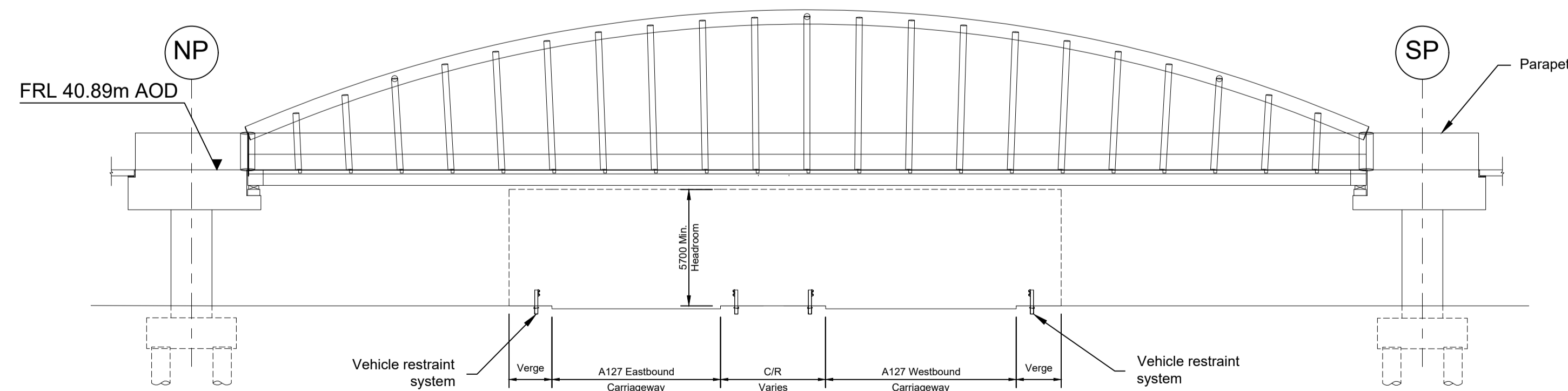
Client  
 national highways  
 Project  
**LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o)</b>				
	<b>WORK NO. 90</b>				
	<b>SHEET 65</b>				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10095				

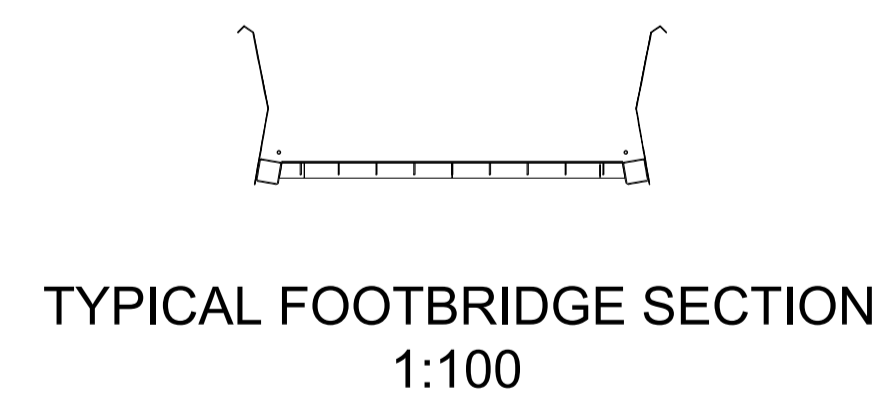




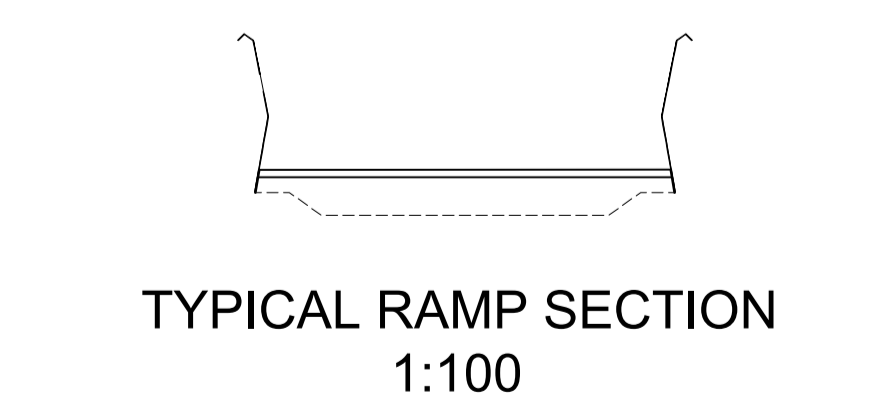
PLAN 1:500



LONGITUDINAL SECTION 1:200



TYPICAL FOOTBRIDGE SECTION 1:100

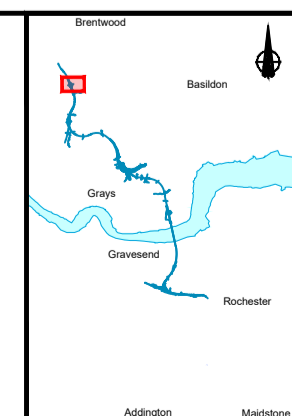
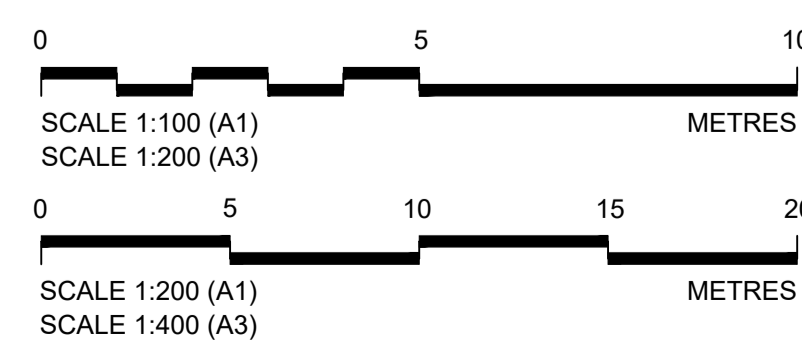
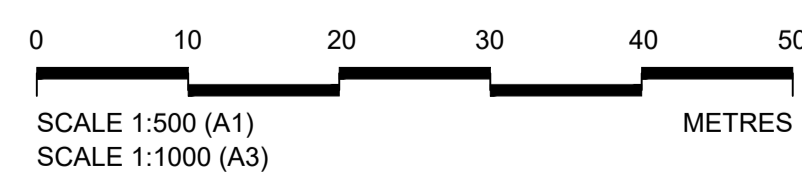


TYPICAL RAMP SECTION 1:100

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

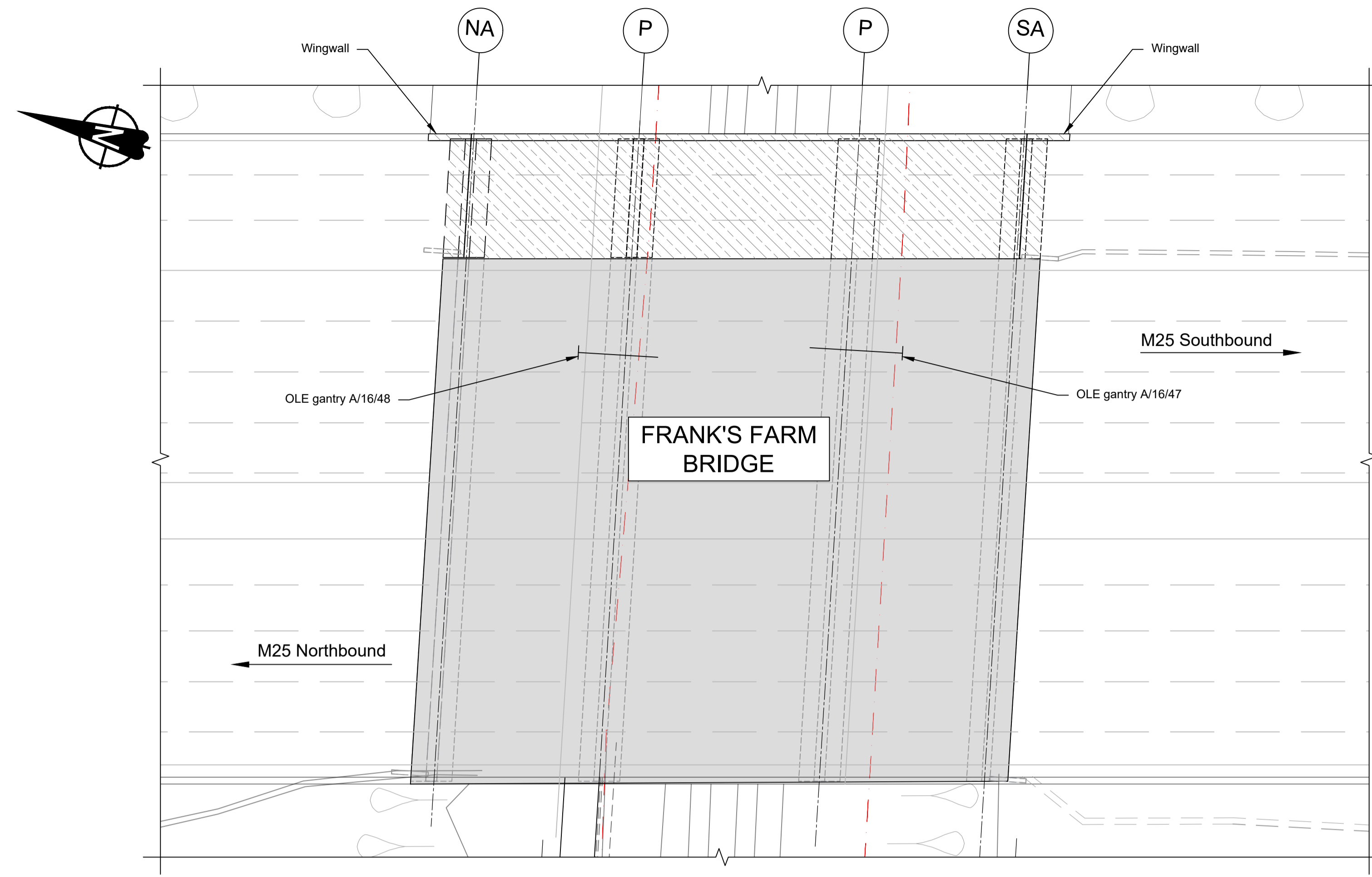
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  - Full length of piles not shown.



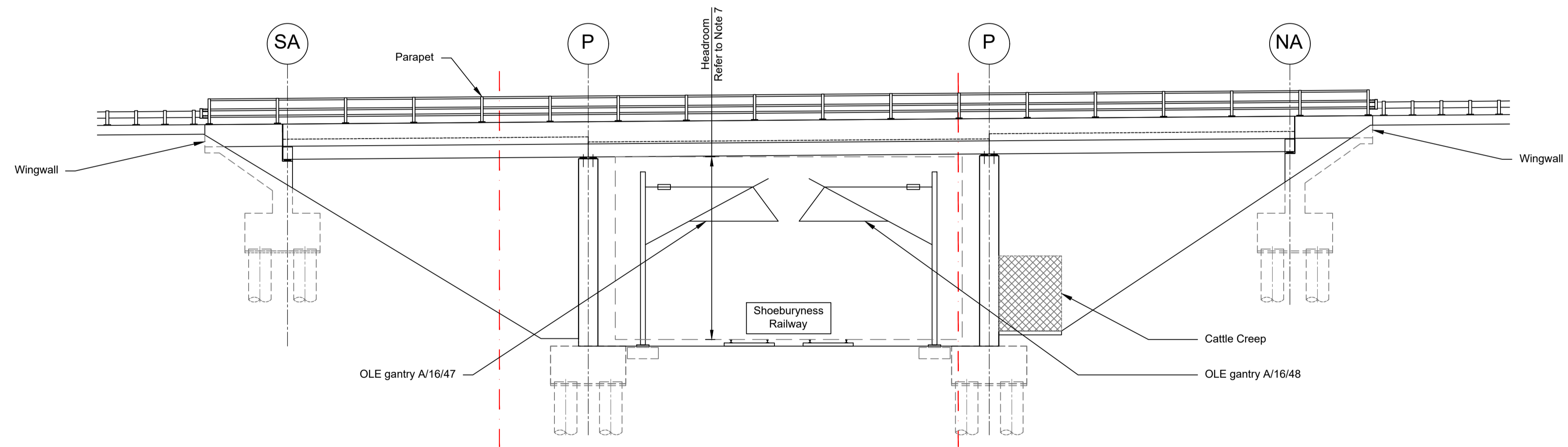
Client: **national highways**

Project: **LOWER THAMES CROSSING**

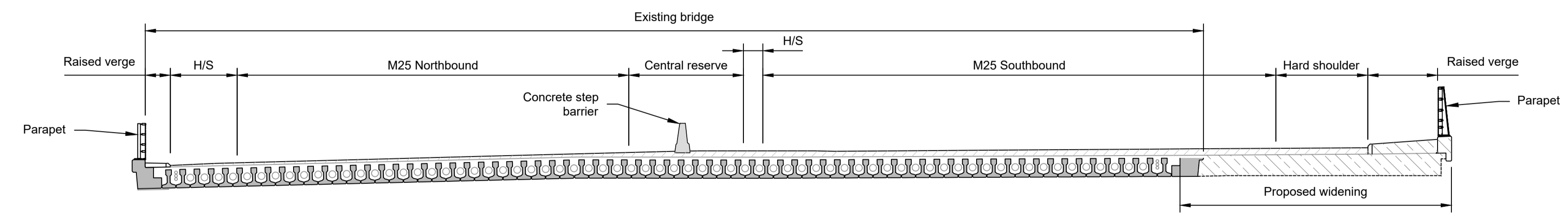
Status	DCO Examination	Original Size	A1	Revision	P02.1
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o) WORK NO. 9Z SHEET 66</b>				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10096				



PLAN 1:250



ELEVATION 1:125



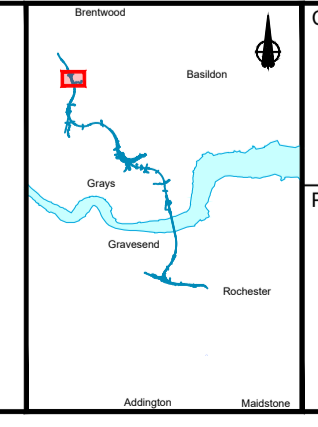
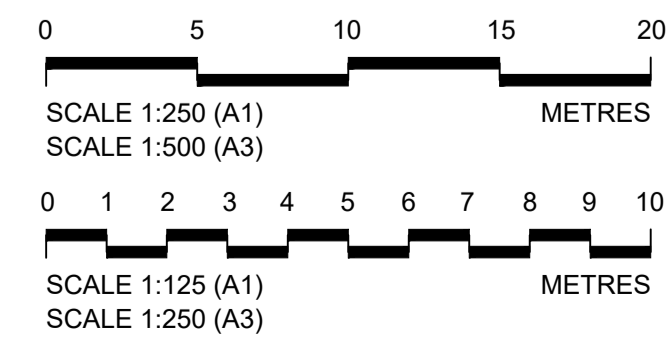
TYPICAL SECTION (CENTRAL SPAN) 1:125

**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
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

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

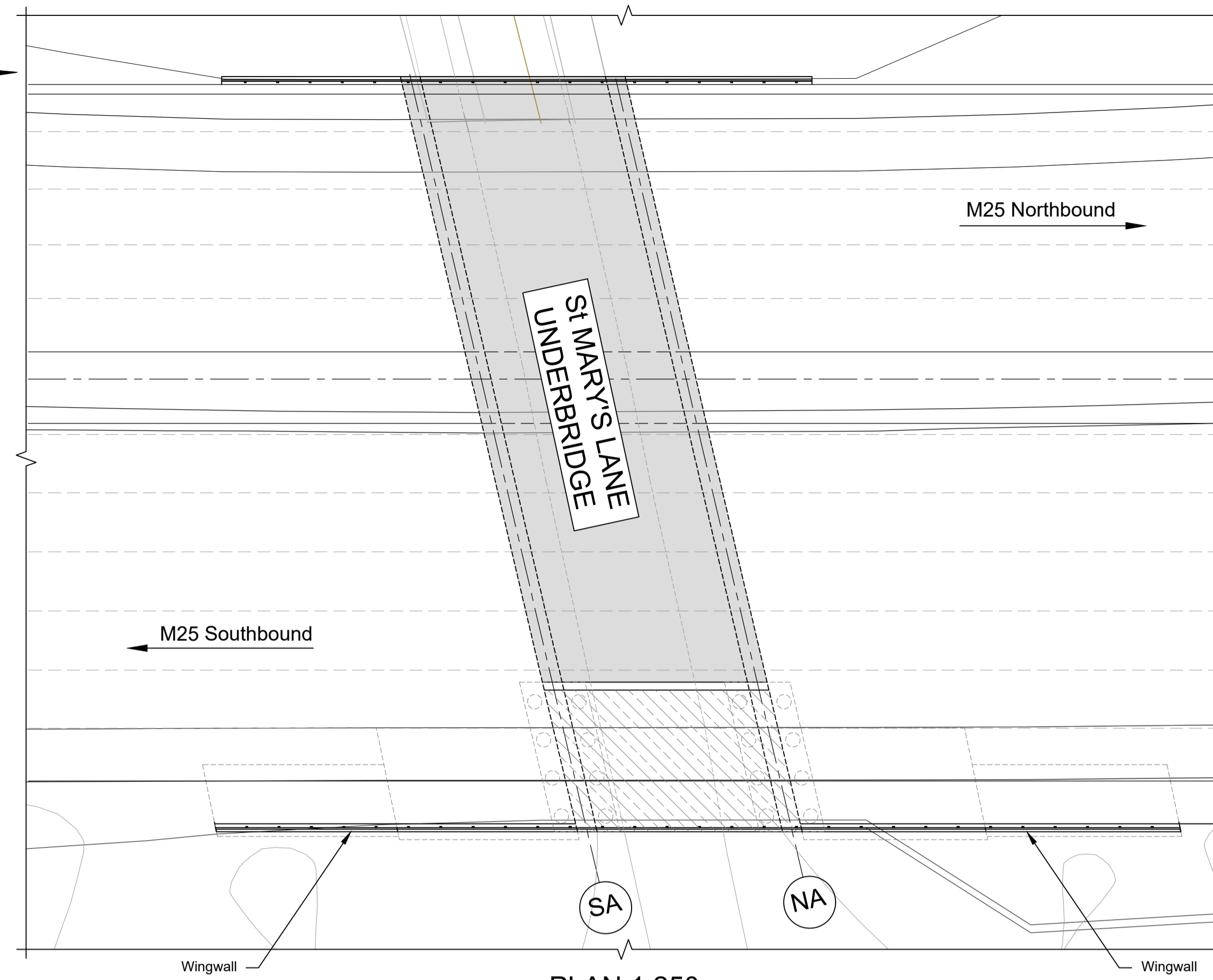
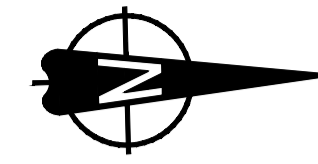


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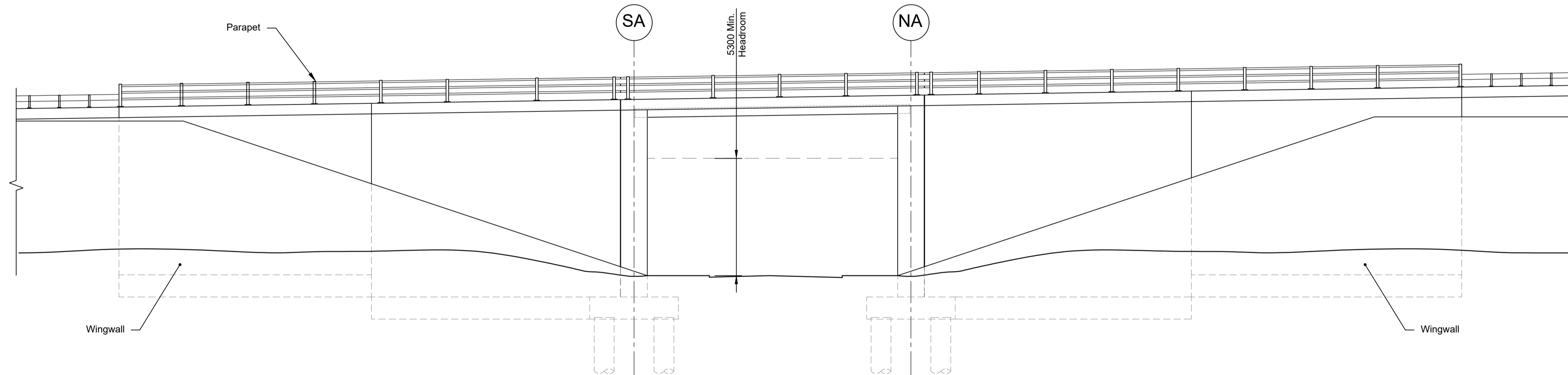
Project: **LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o)</b>				
	<b>WORK NO. 9E</b>				
	<b>SHEET 67</b>				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10100				

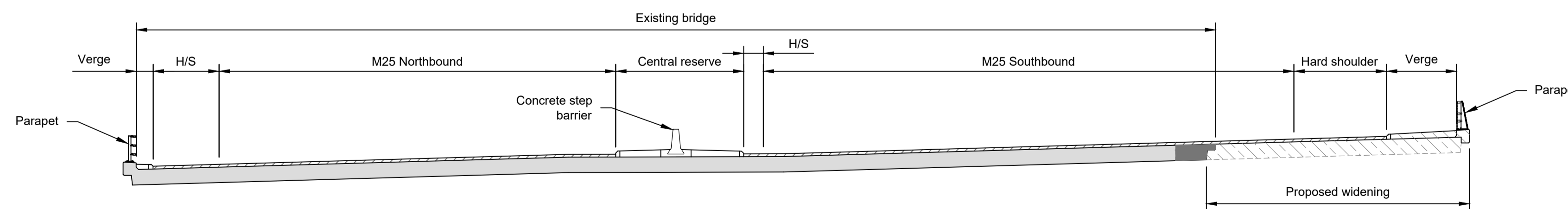




PLAN 1:250



ELEVATION 1:125

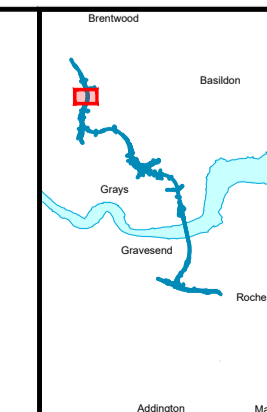
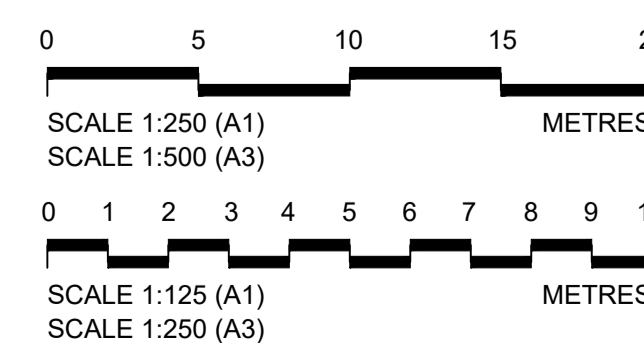


TYPICAL SECTION 1:125

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

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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd				
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB				
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB				

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  - Full length of piles not shown.



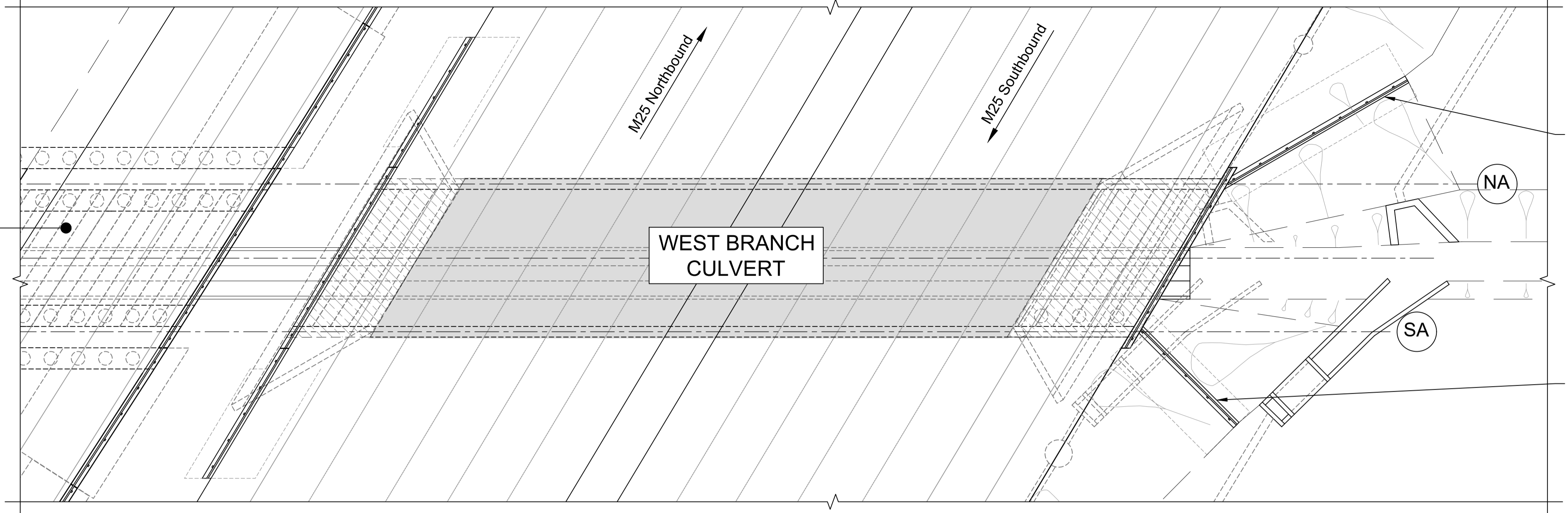
Client

Project

**LOWER THAMES CROSSING**

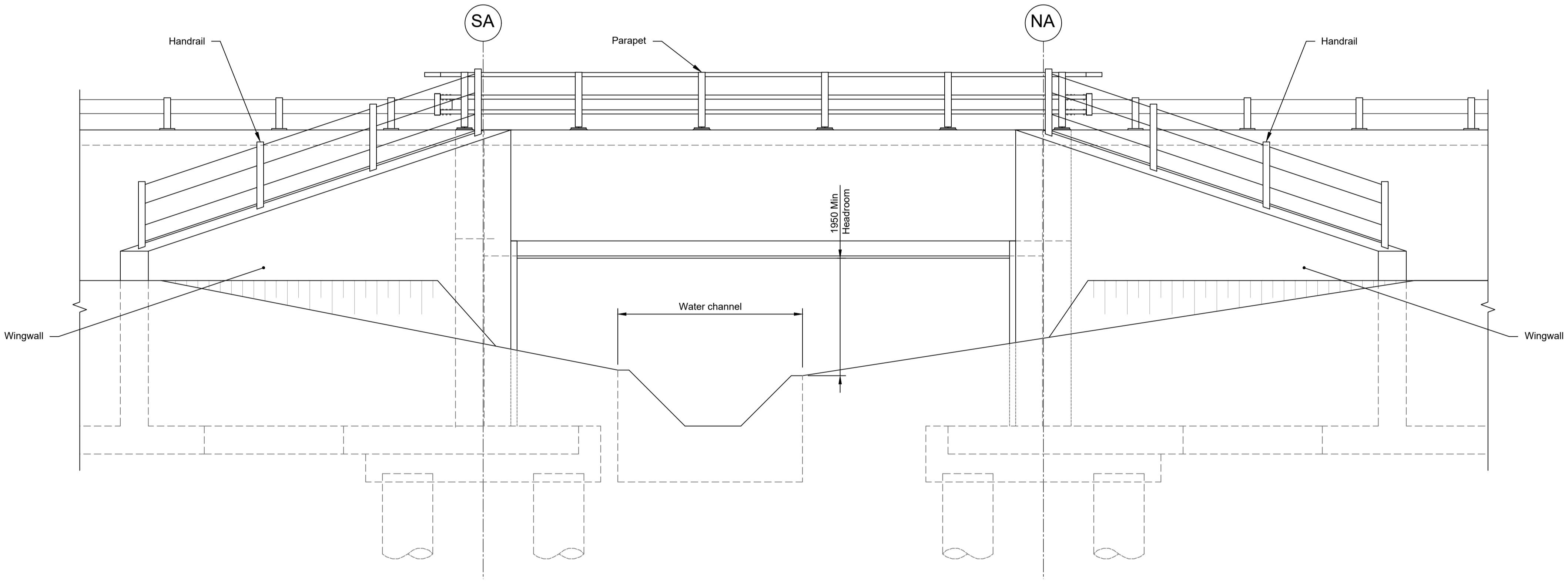
Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o)</b>				
	<b>WORK NO. 9E</b>				
	<b>SHEET 68</b>				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10101				

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

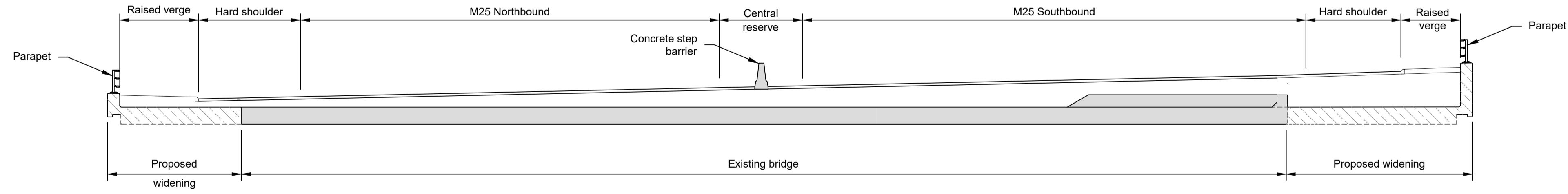


WEST BRANCH CULVERT

PLAN 1:200



ELEVATION 1:50

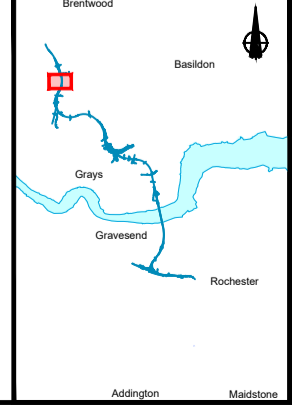
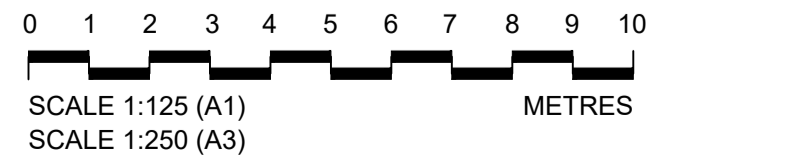
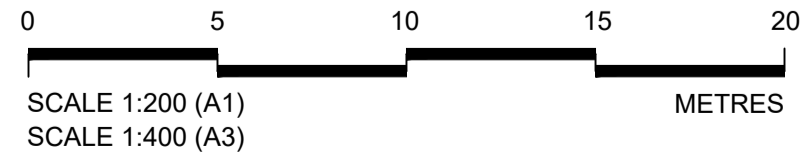
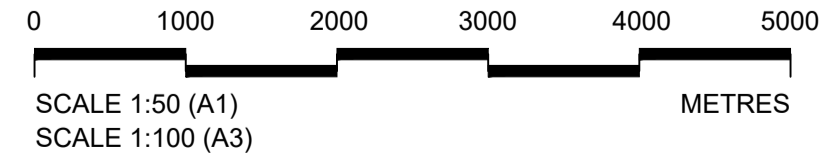


TYPICAL SECTION 1:125

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

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  - Full length of piles not shown.

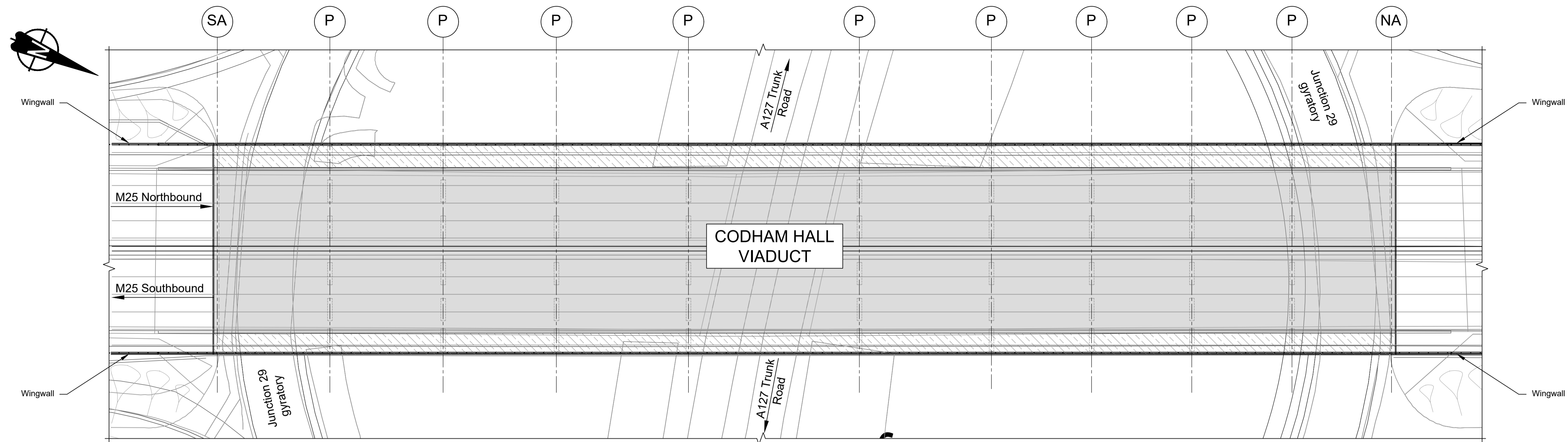


Client: national highways

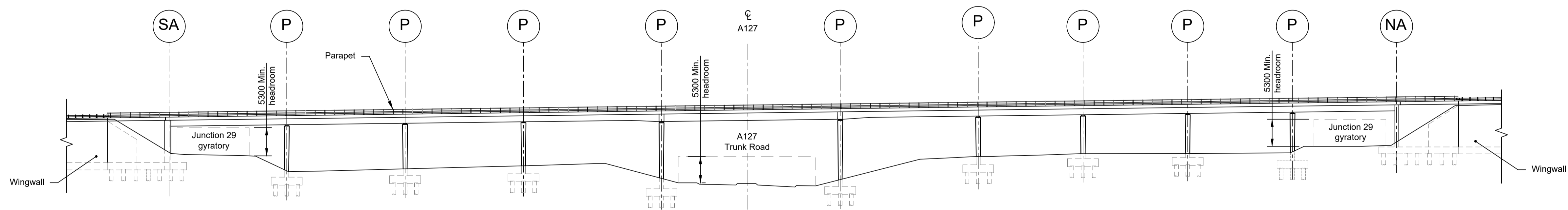
Project: LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P02
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				

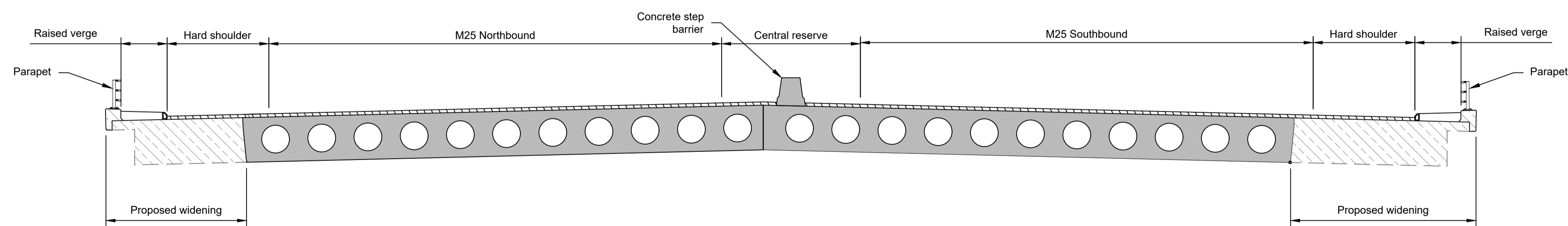




PLAN 1:500



ELEVATION 1:500

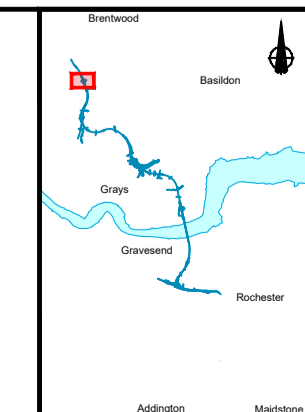
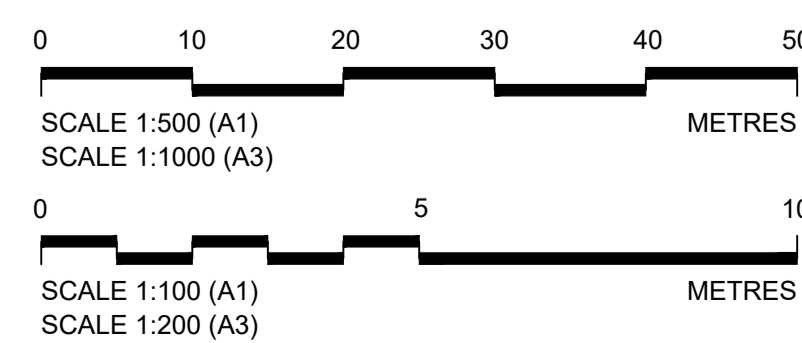


TYPICAL SECTION 1:100

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

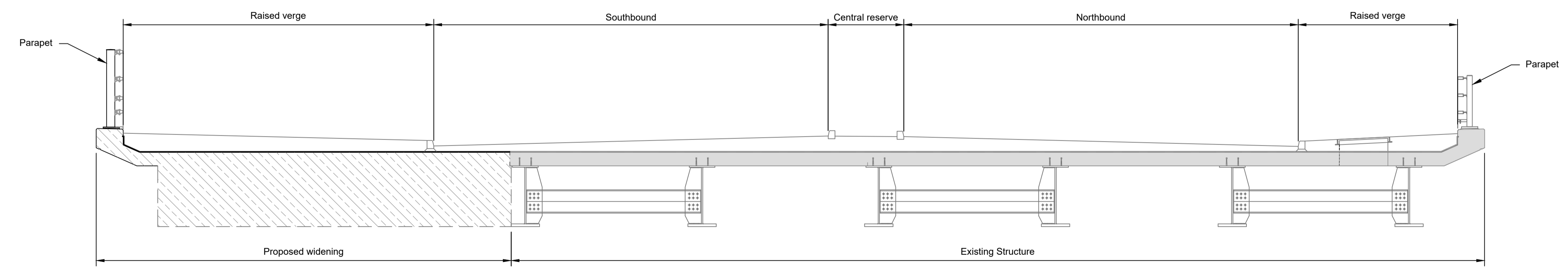
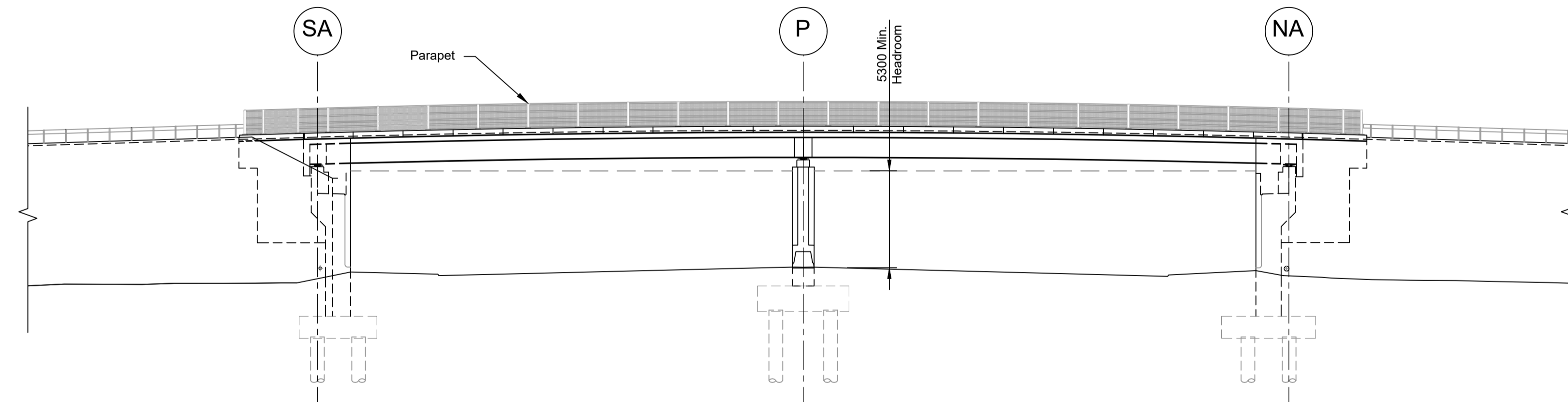
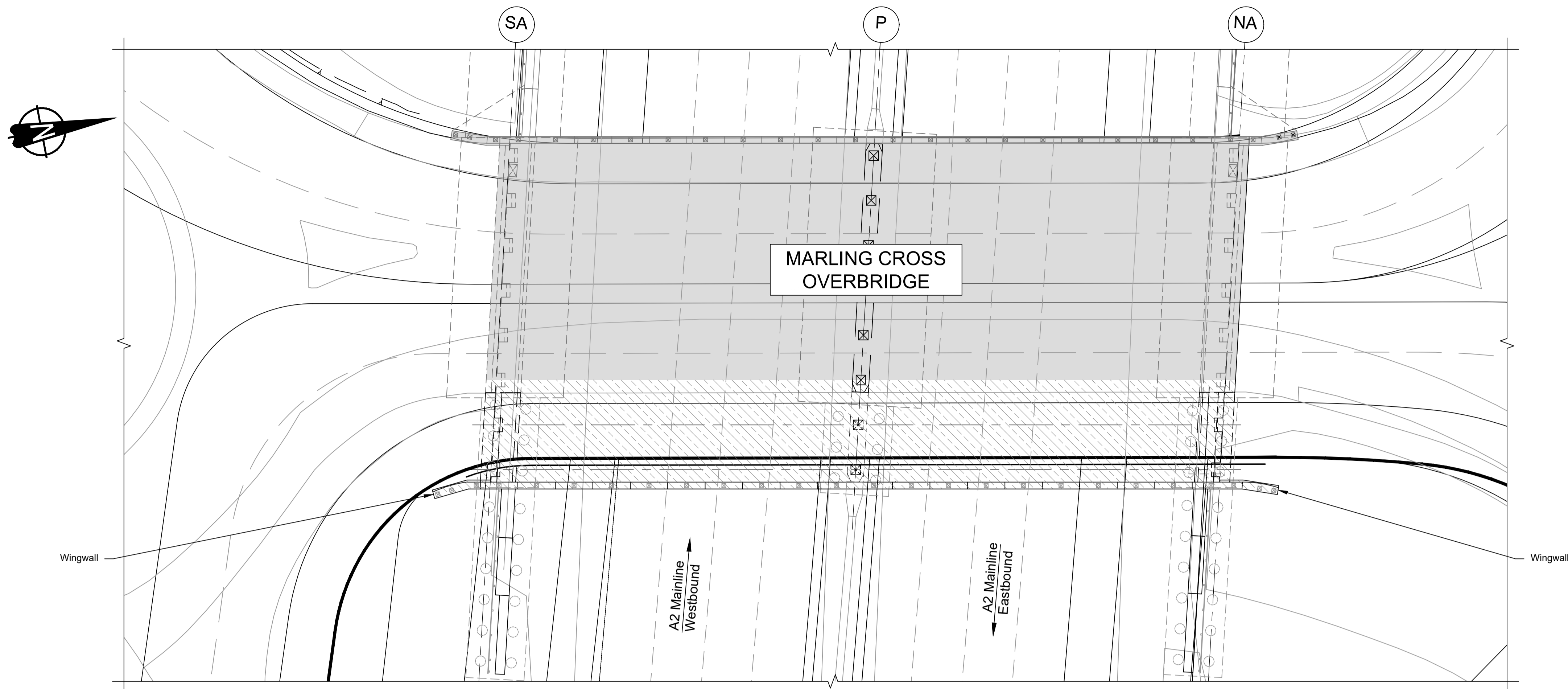
- NOTES:
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  - The Highways design is shown in the Engineering Section and Drawings (TR010032/APP/2.9).
  - Full length of piles not shown.



Client: national highways

Project: LOWER THAMES CROSSING

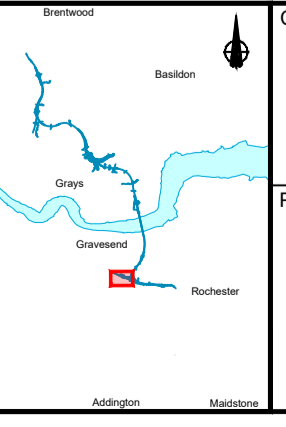
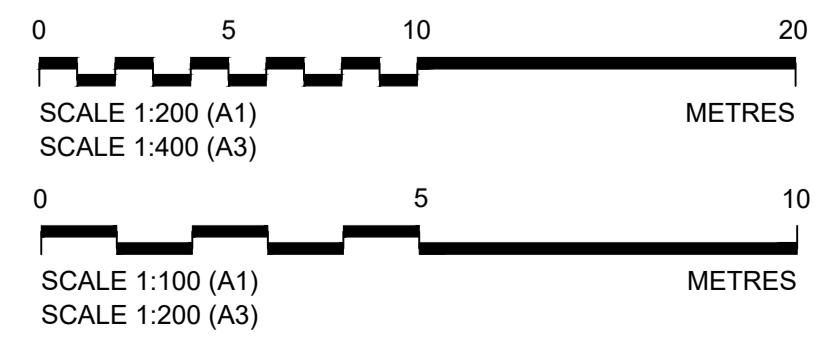
Status	DCO Examination	Original Size	Revision
Application Document Number	TR010032/APP/2.13	A1	P02
Scale	AS SHOWN		
Drawing title	STRUCTURES PLANS 5(2)(o) WORK NO. 9E SHEET 70		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10103		



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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

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  - Full length of piles not shown.



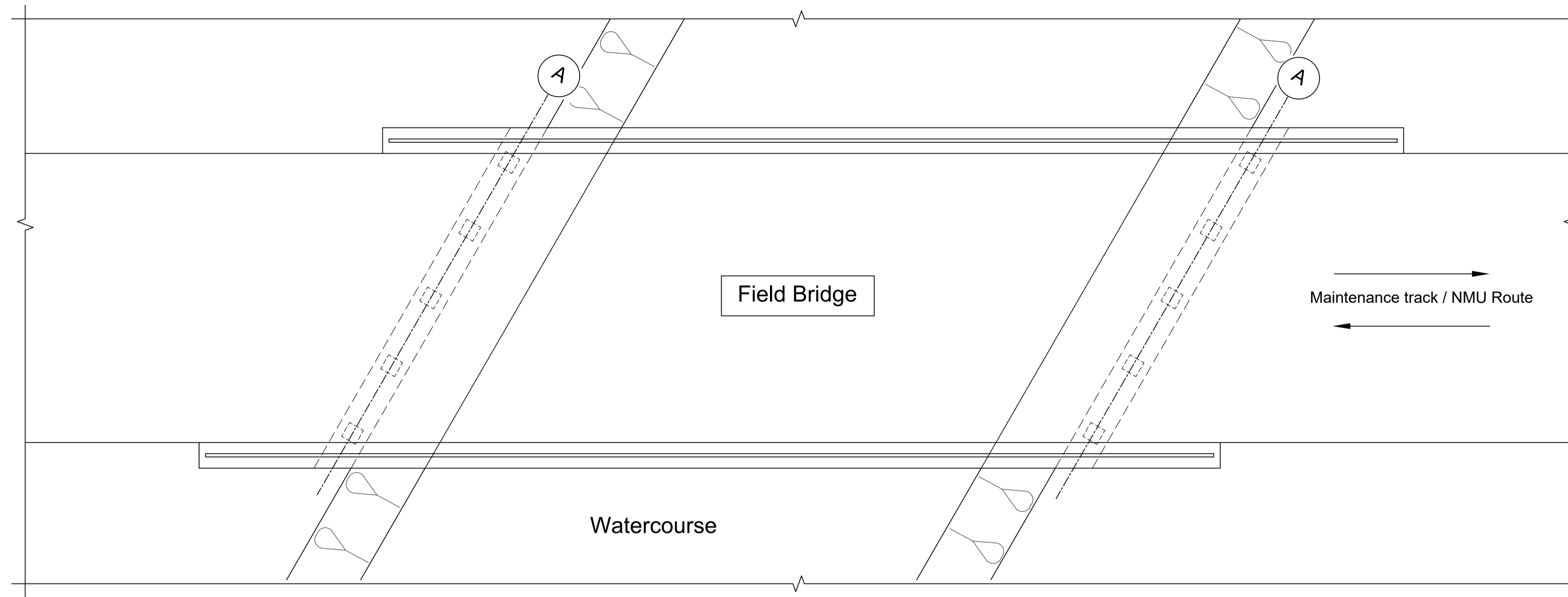
Client

Project

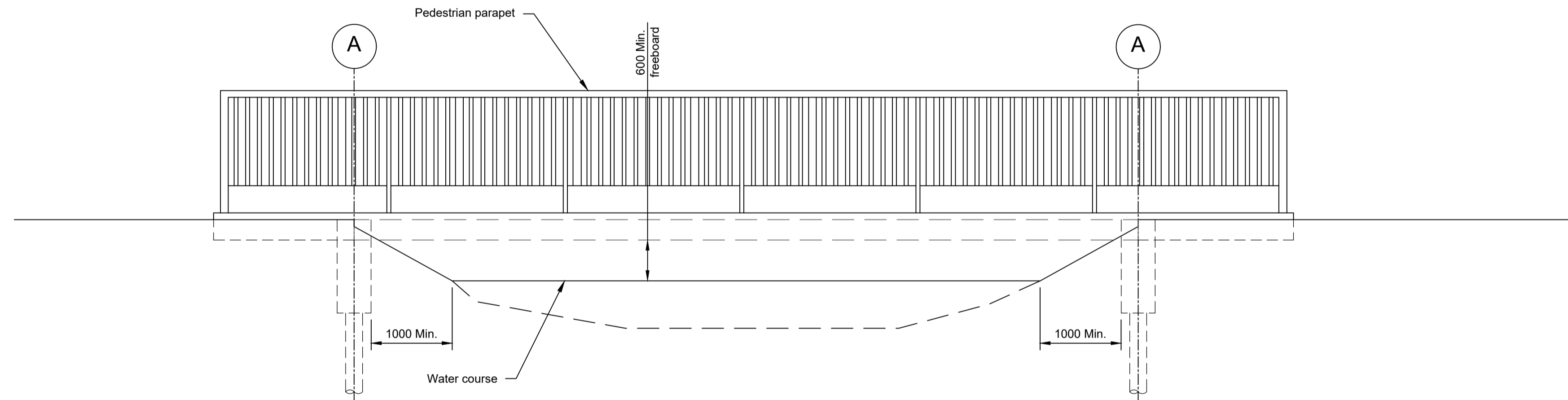
**LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
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Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10104				

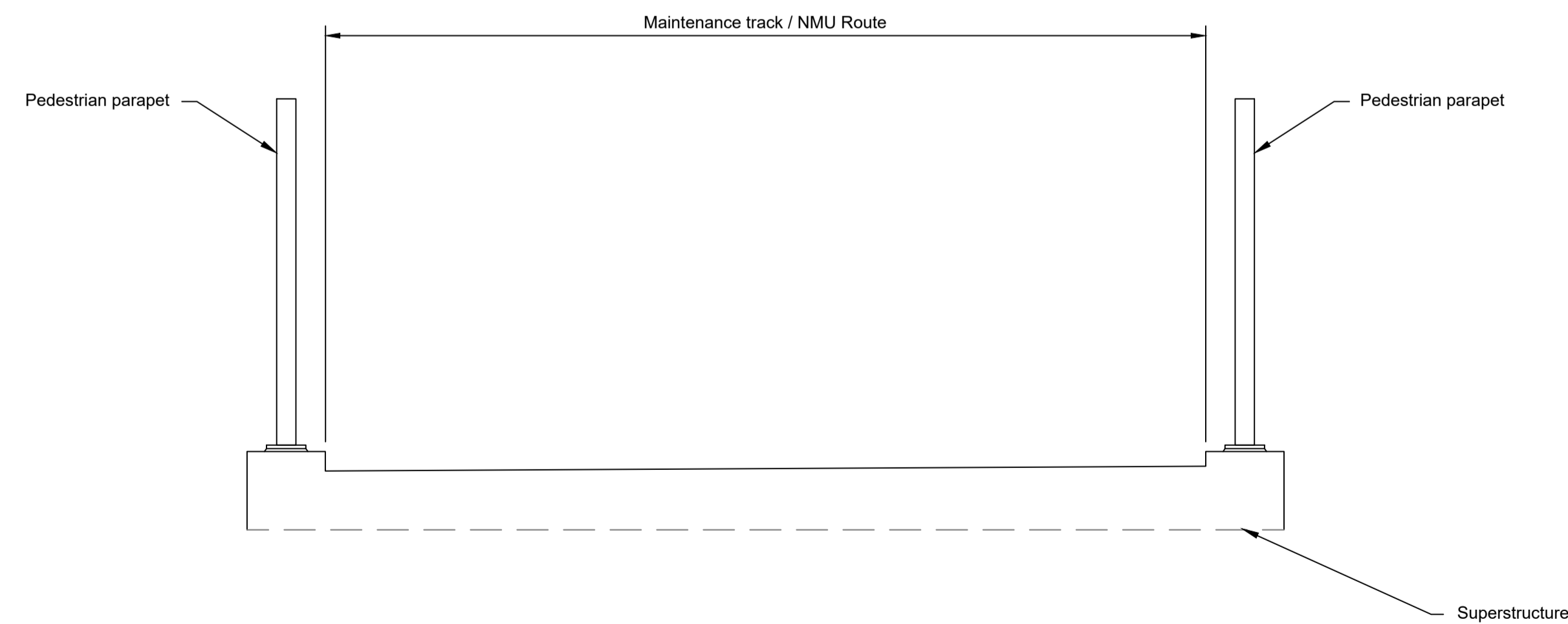




PLAN 1:50



ELEVATION 1:50



TYPICAL SECTION 1:25

**LEGEND**

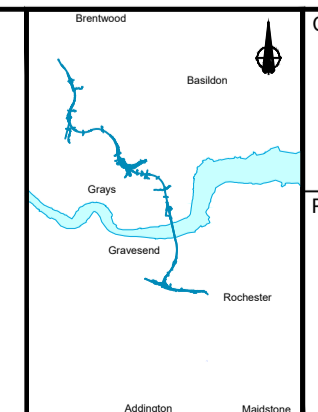
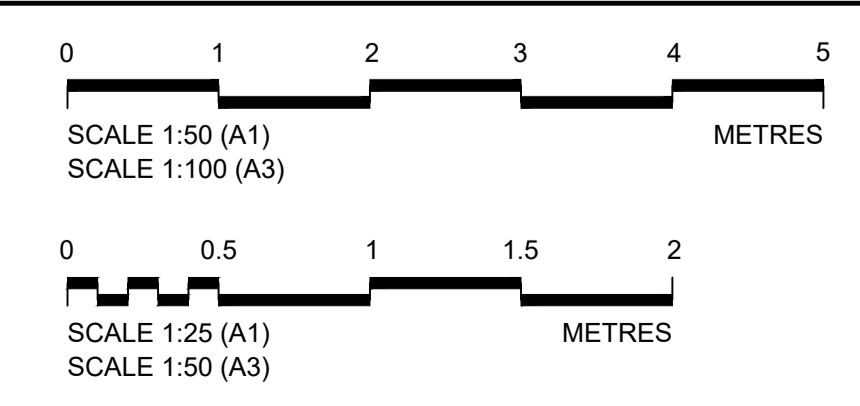
EMBANKMENT/CUTTING

ABUTMENT

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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

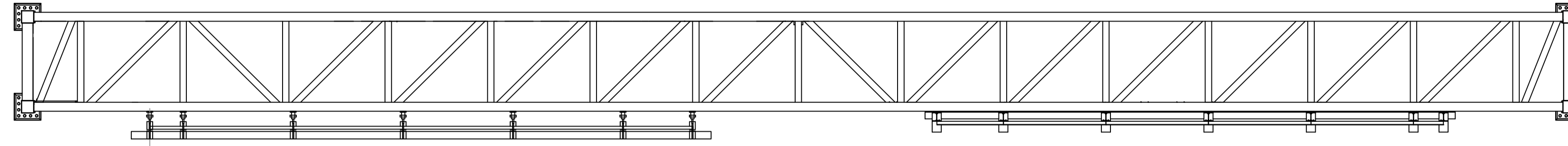
- NOTES:**
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  - Full length of piles not shown.



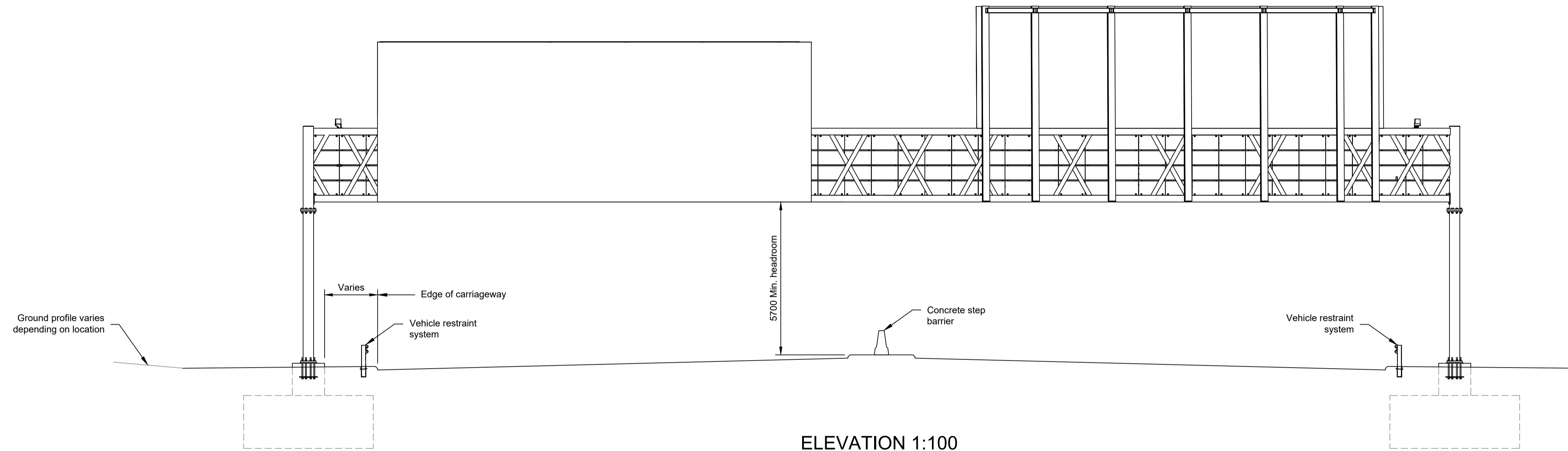
**national highways**

**LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	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

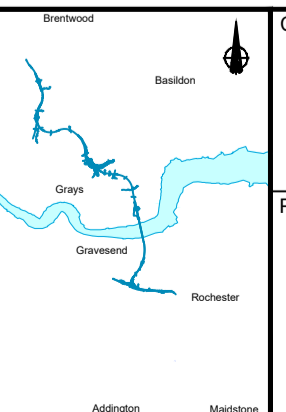
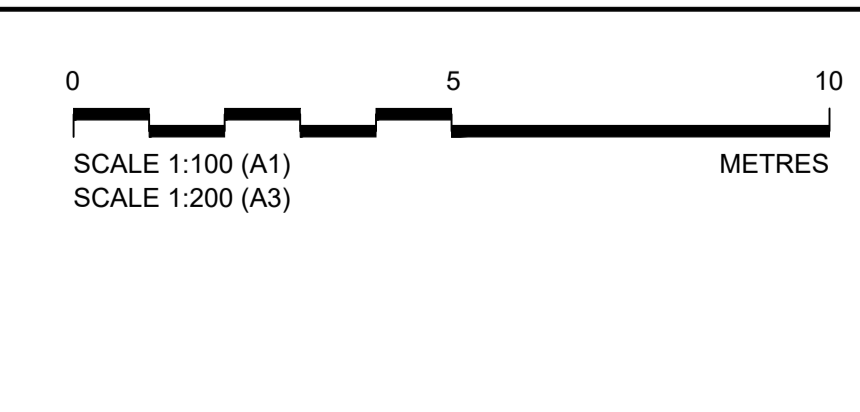
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

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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).
- 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)



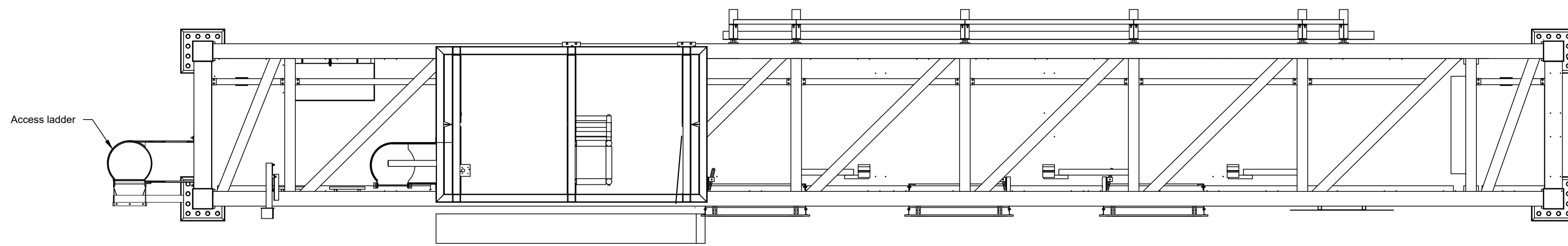
Client

Project

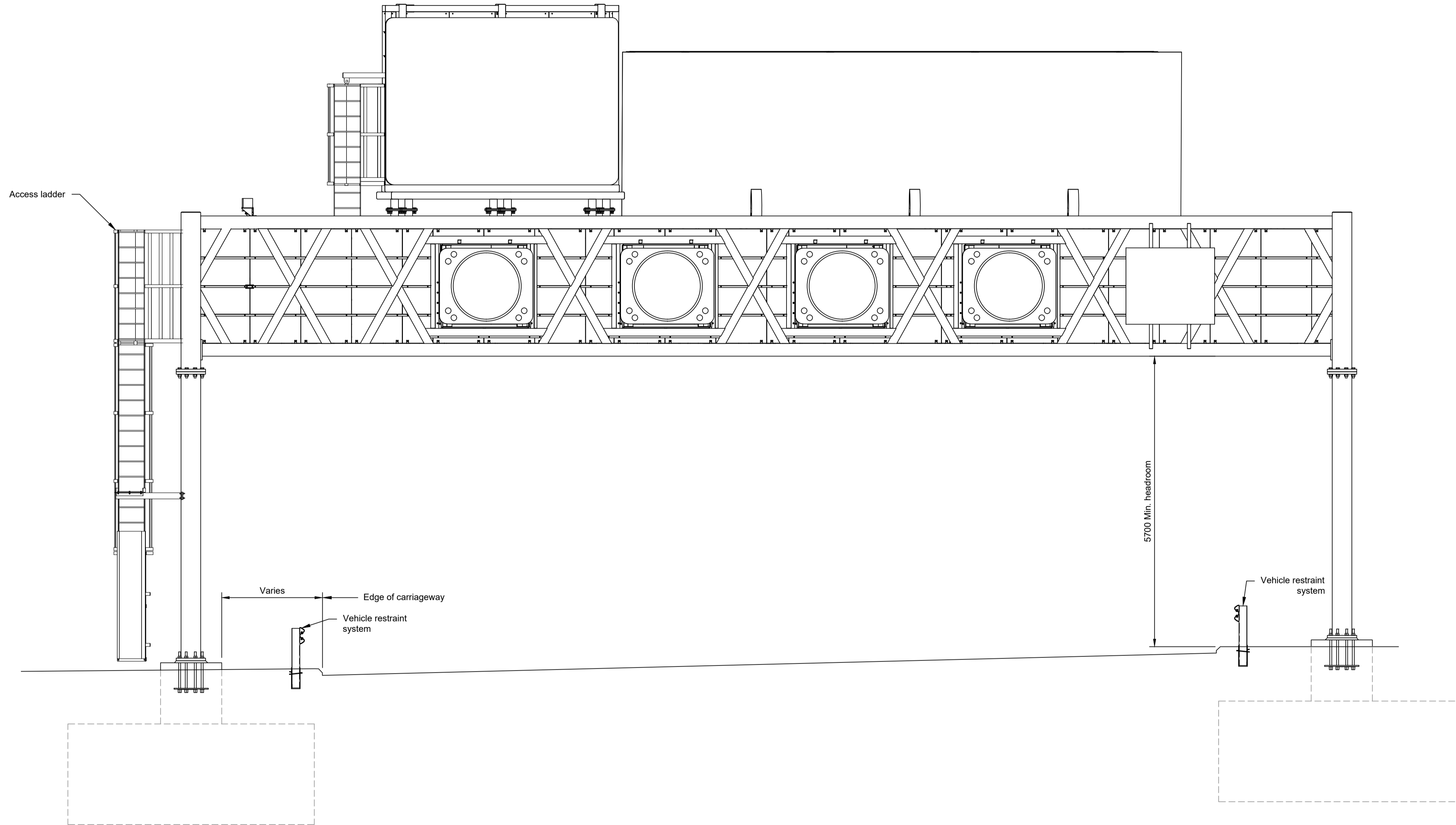
**LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o) GANTRY (SUPER PORTAL TYPE) SHEET 73</b>				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10151				





PLAN 1:50

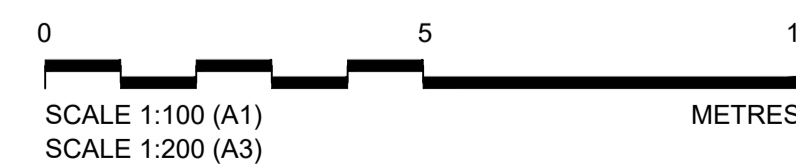


ELEVATION 1:50

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NOTES:

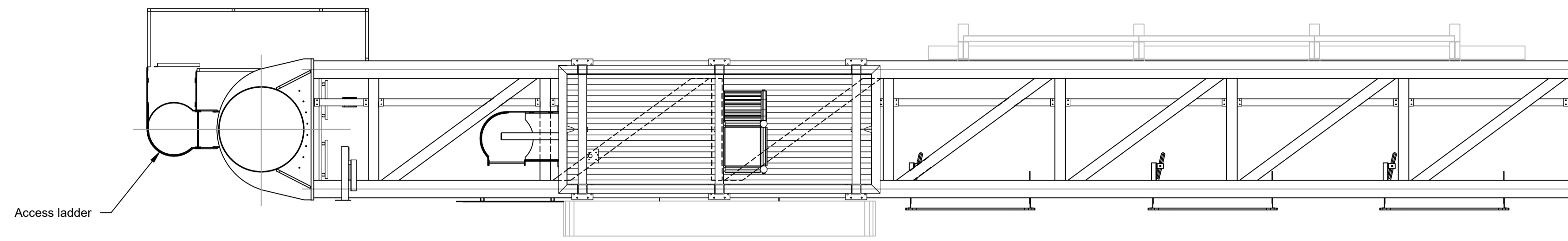
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- The Highways design is shown in the Engineering Section and Drawings (TR010032/APP/2.9)



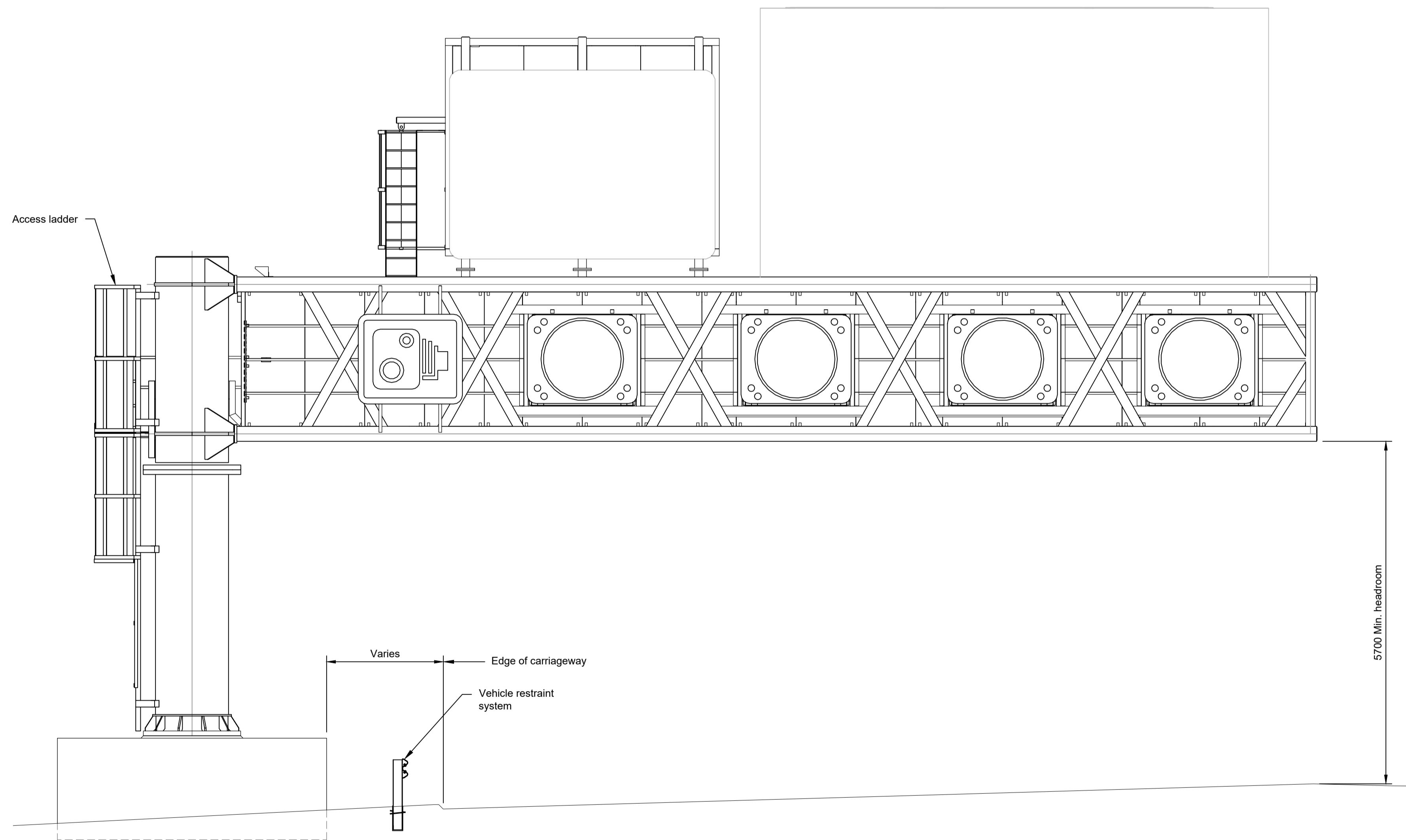
Client  
  
 Project  
**LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o) GANTRY (PORTAL TYPE) SHEET 74</b>				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10152				

P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd



PLAN 1:50



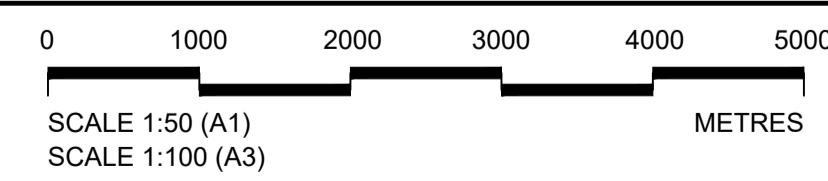
FRONT ELEVATION 1:50

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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).
- All dimensions 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/3.1).
- 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)

P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

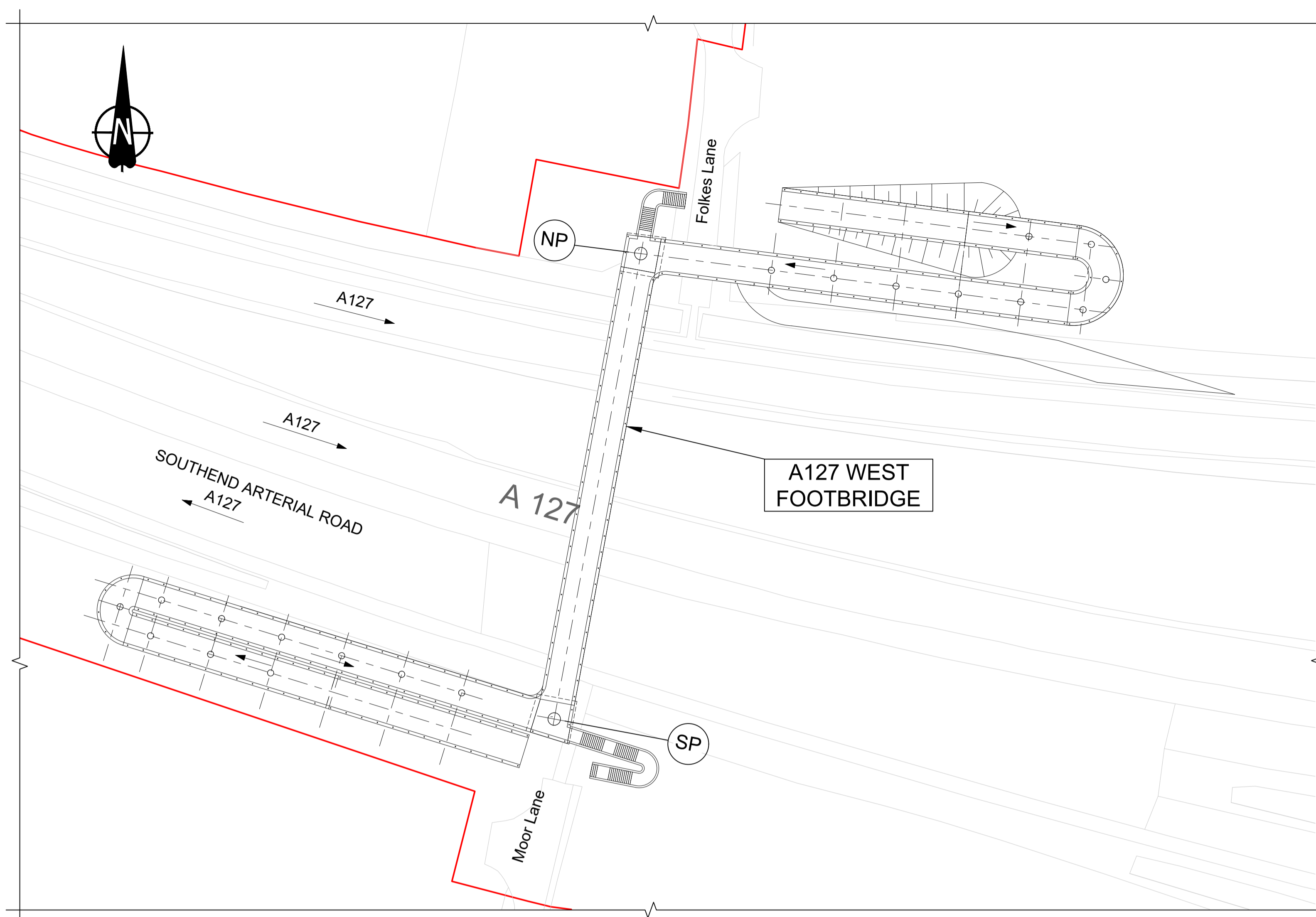


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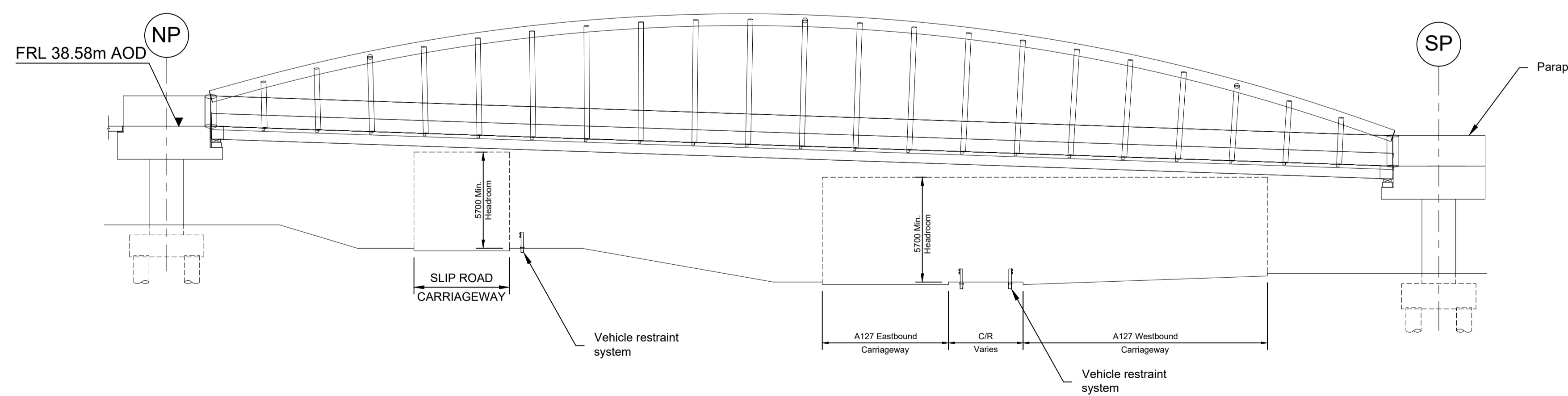
Project  
**LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o) GANTRY (CANTILEVER TYPE) SHEET 75</b>				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10153				

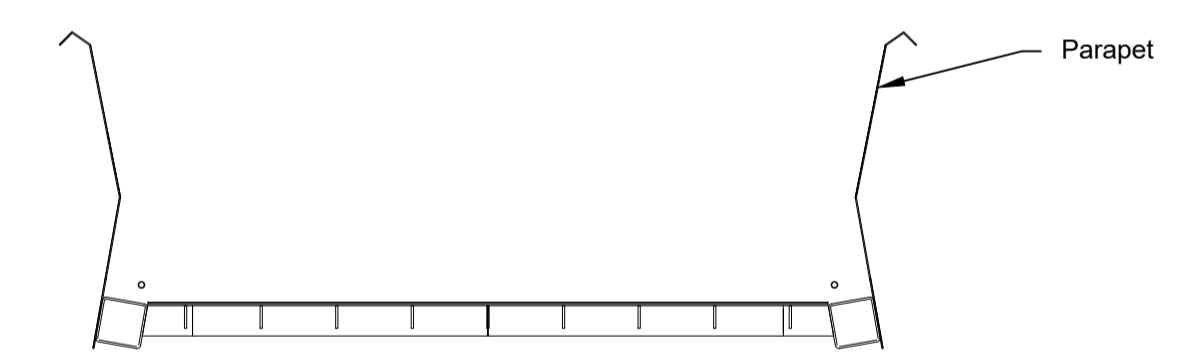




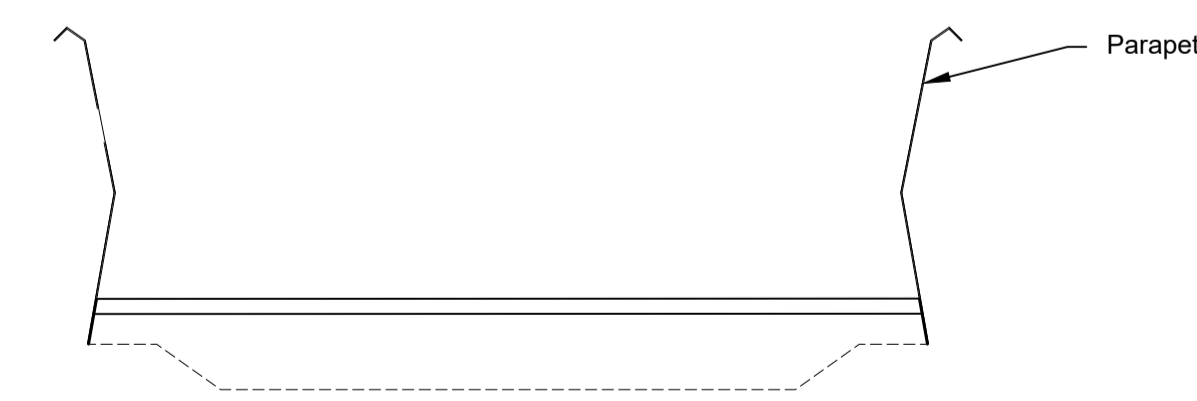
PLAN 1:500



ELEVATION 1:200



TYPICAL FOOTBRIDGE SECTION  
1:50

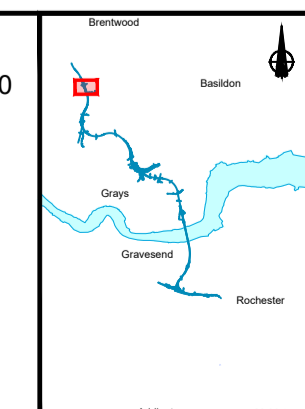
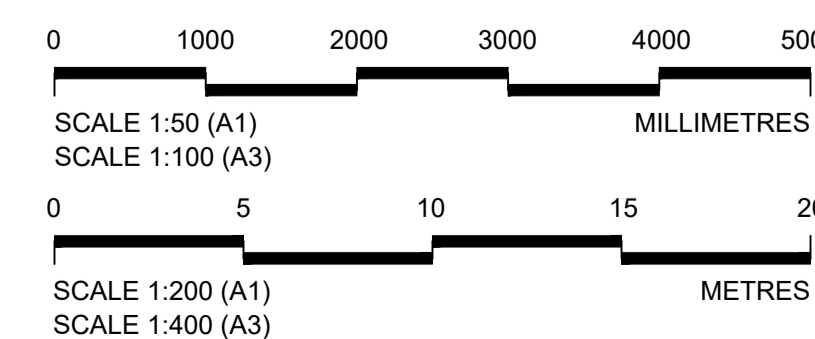
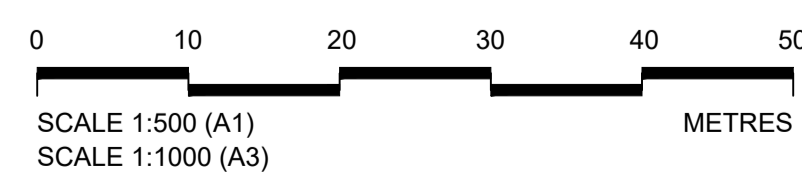


TYPICAL RAMP SECTION  
1:50

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

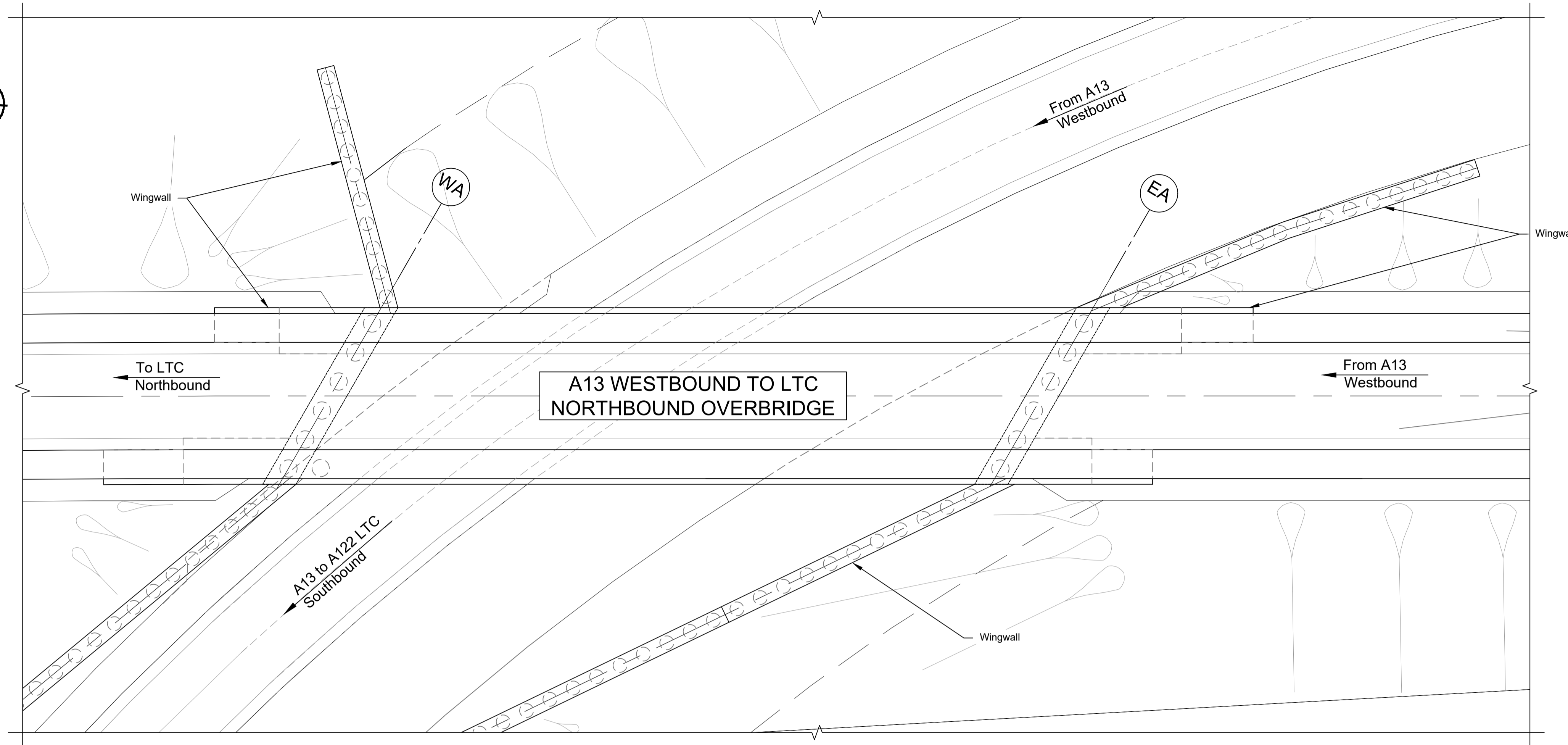
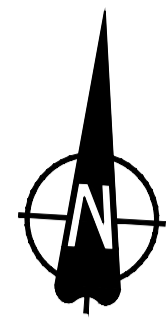
- NOTES:
- The design and location of the structure is shown here for illustrative purposes only and will be subject to detailed design development in accordance with the provisions of the Development Consent Order (TR010032/APP/2.5).
  - For Environmental details refer to the Environmental Masterplan (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 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/2.5).
  - The Highways design is shown in the Engineering Section and Drawings (TR010032/APP/2.9).
  - Full length of piles not shown.



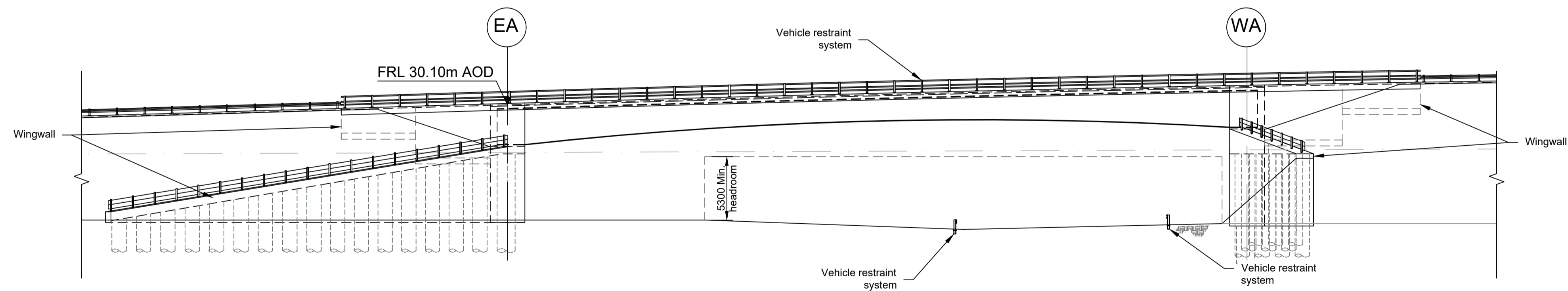
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Project: LOWER THAMES CROSSING

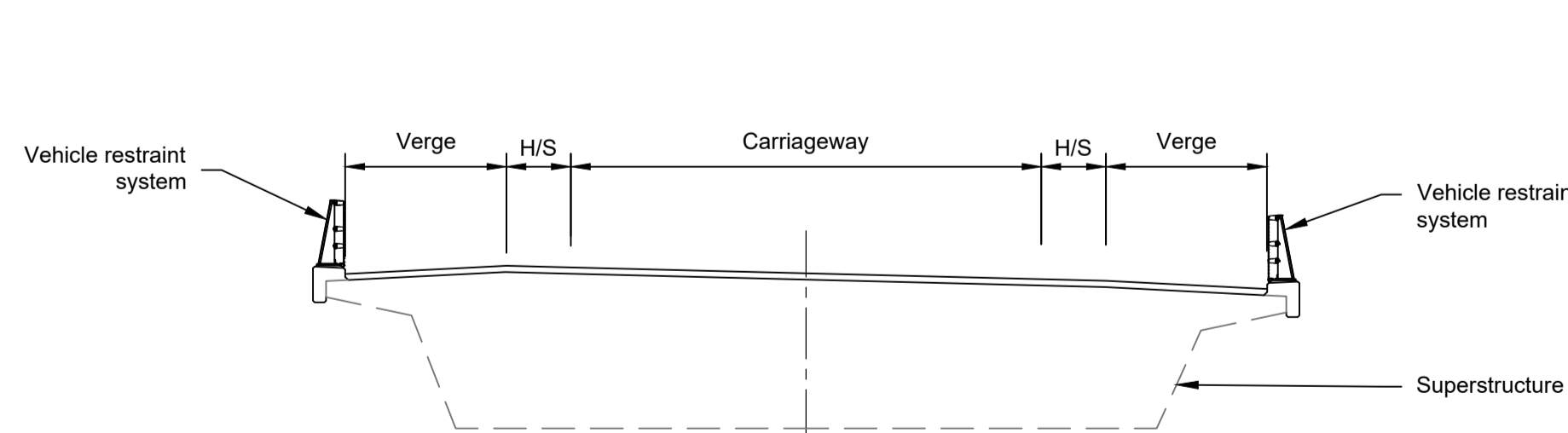
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Application Document Number	TR010032/APP/2.13	A1	P02
Scale	AS SHOWN		
Drawing title	STRUCTURES PLANS 5(2)(o) WORK NO. 9Y SHEET 76		
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10155		



PLAN 1:250



ELEVATION (LOOKING SOUTH) 1:250



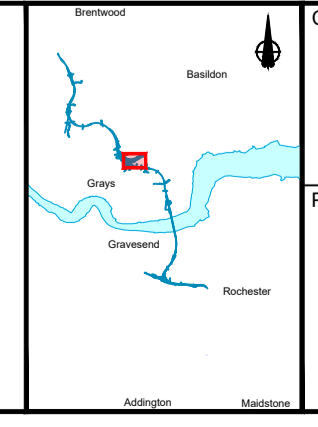
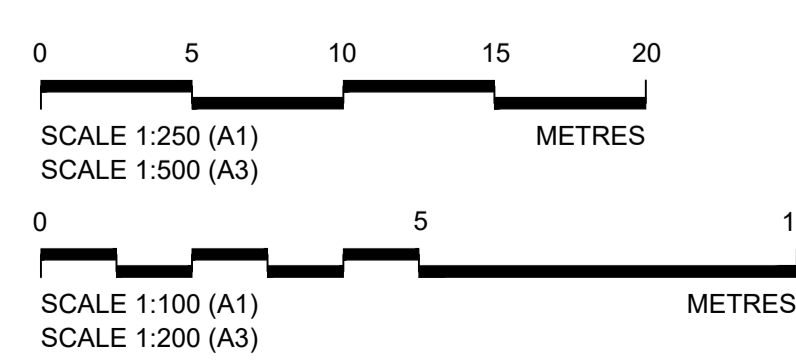
TYPICAL SECTION 1:100

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

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 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.

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	18/07/2023	Deadline 1	GP	BB	ASB
P03	S8	11/12/2023	Deadline 9	GP	RO	ASB

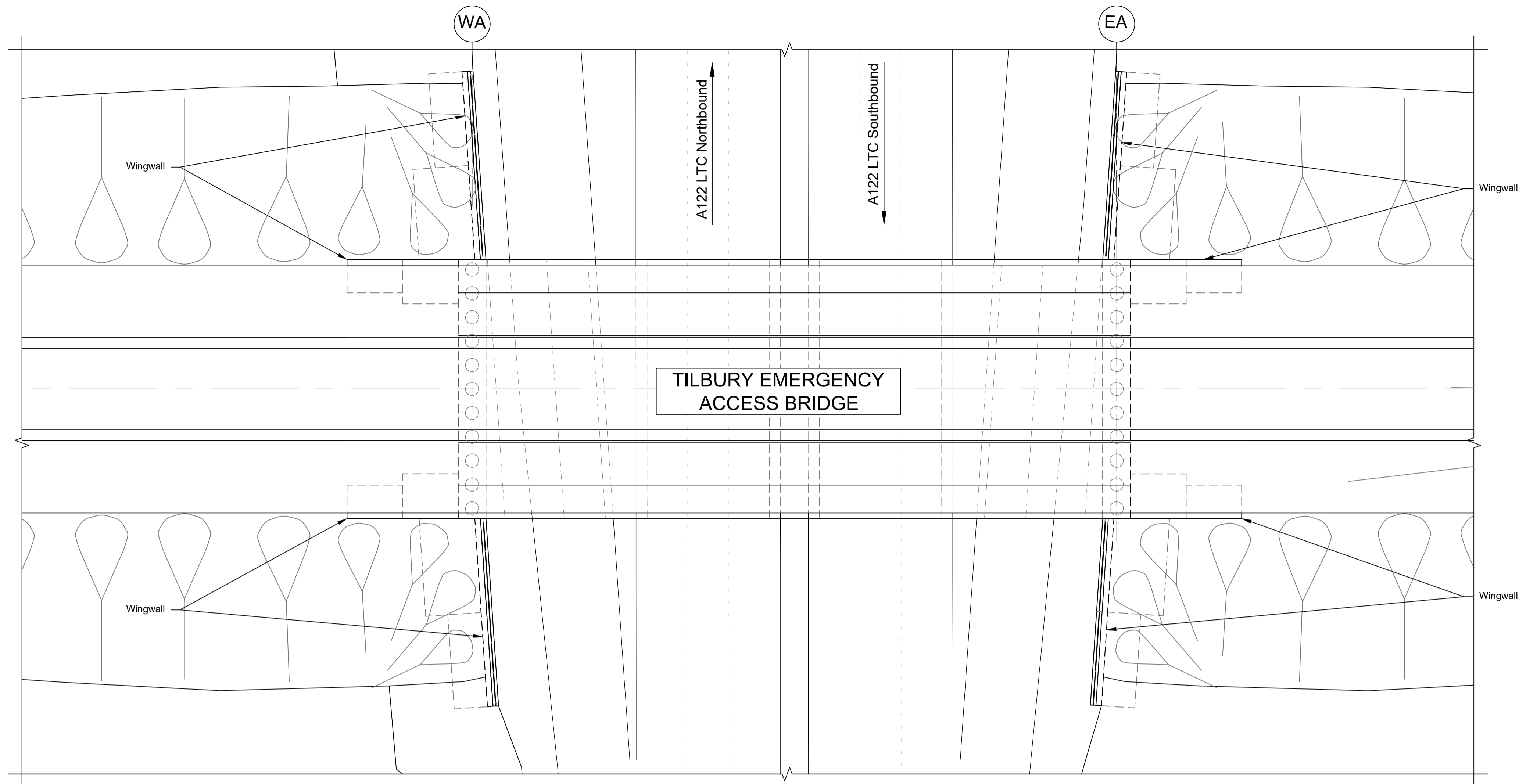
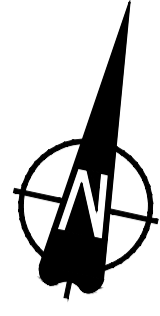


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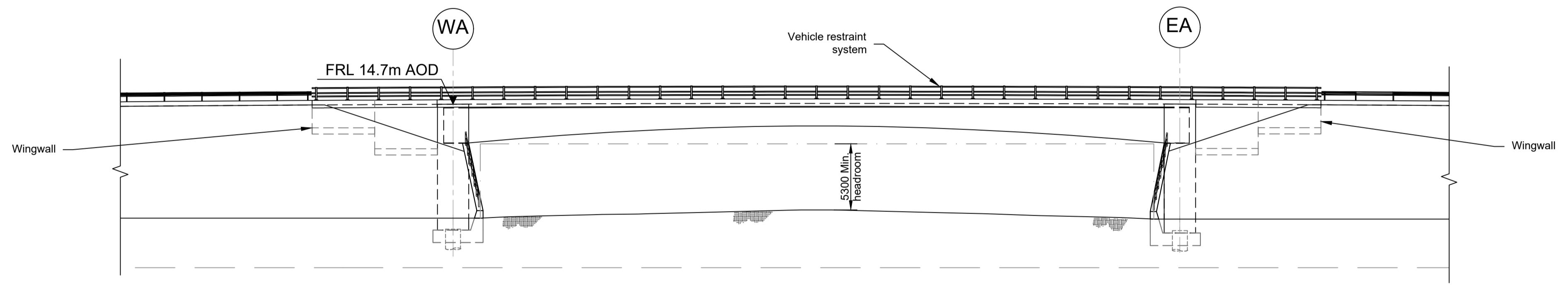
Project: **LOWER THAMES CROSSING**

Status: DCO Examination	Original Size: A1	Revision: P03
Application Document Number: TR010032/APP/2.13	Scale: AS SHOWN	
Drawing title: <b>STRUCTURES PLANS 5(2)(o) WORK NO. 7E SHEET 77</b>		
Drawing Number: HE540039-CJV-BOP-SZZ_ST000000 -DR-CB-10156		

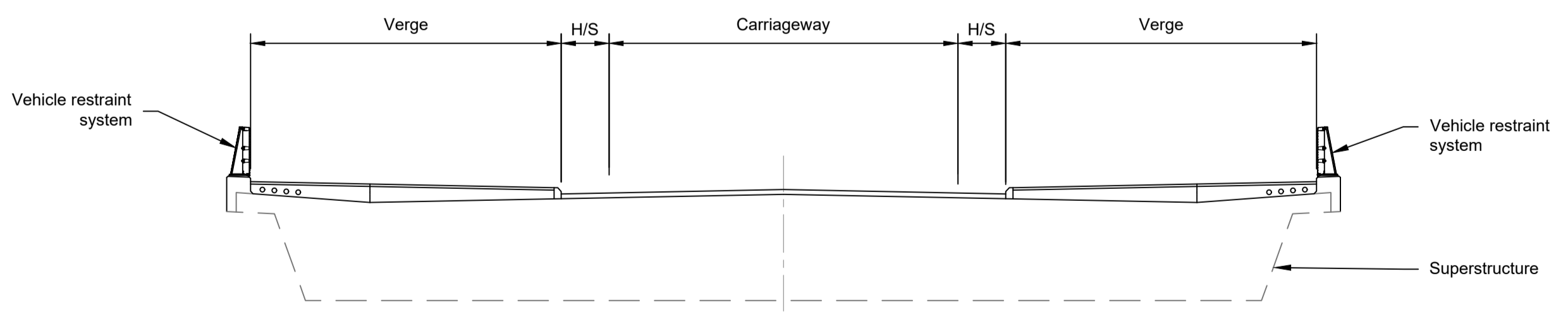




PLAN 1:250



ELEVATION 1:250

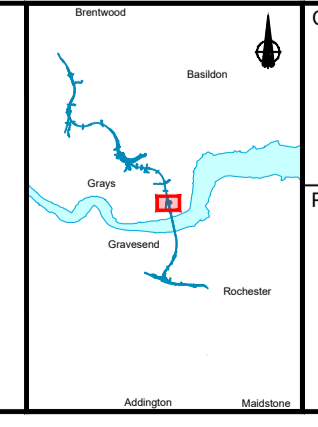
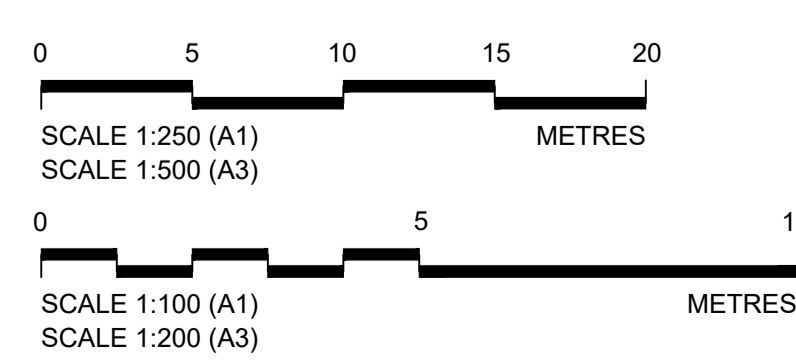


TYPICAL SECTION 1:100

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

- 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 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.

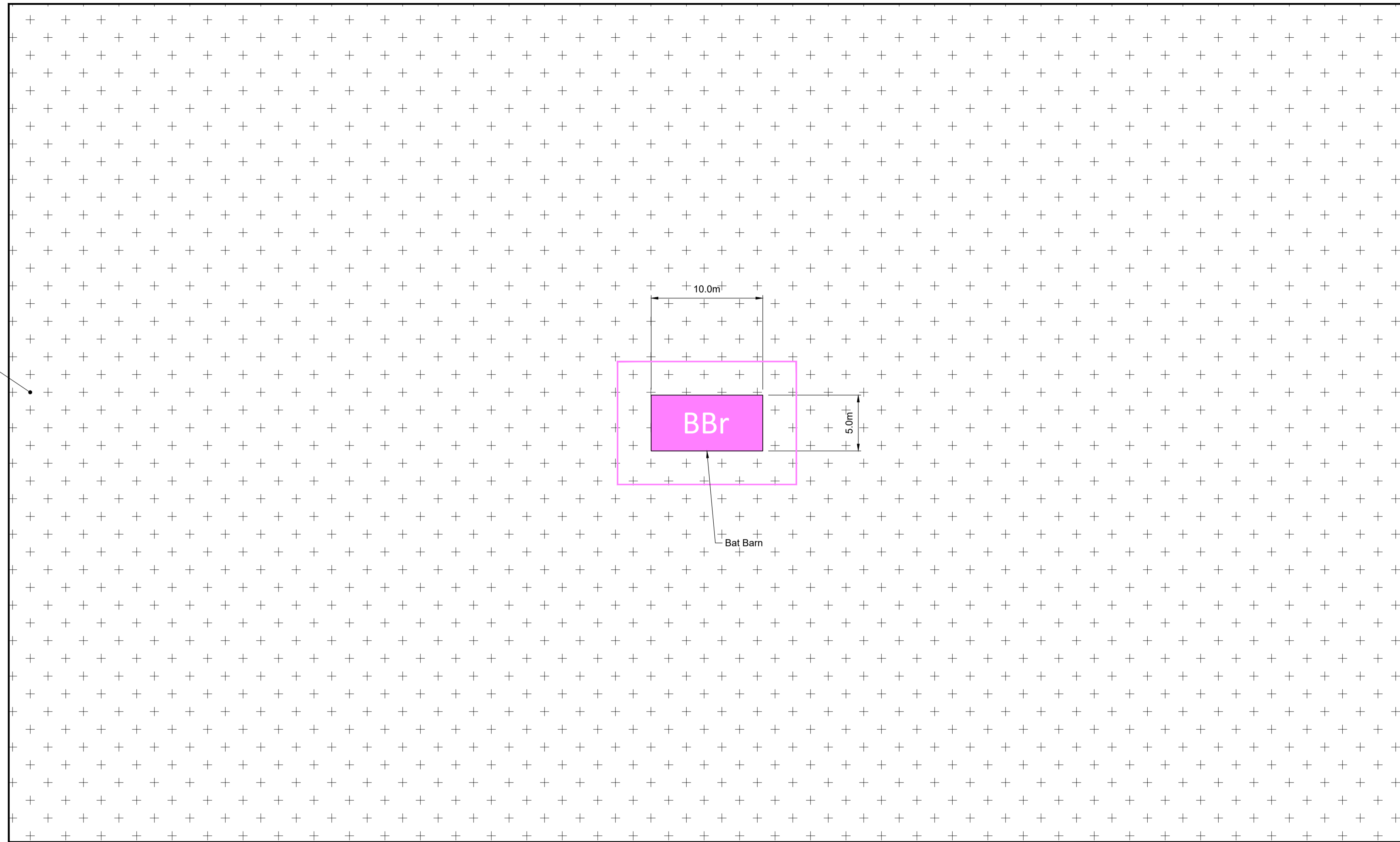


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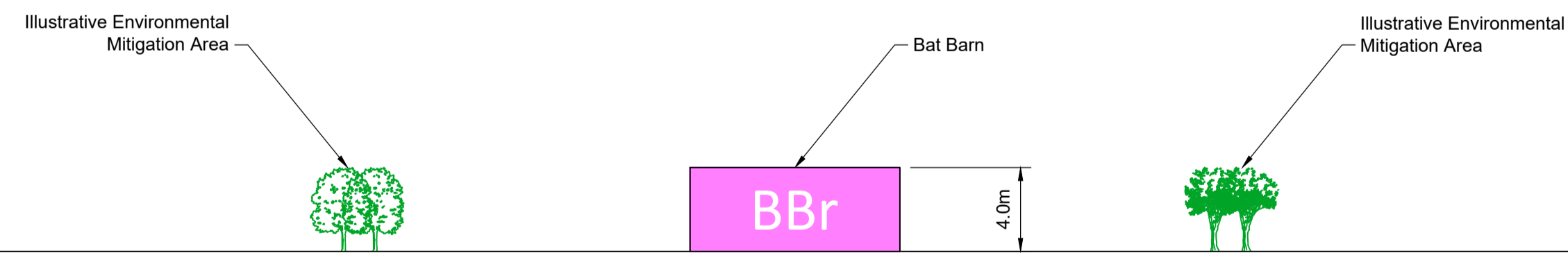
Project: **LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.13	Scale	AS SHOWN		
Drawing title	<b>STRUCTURES PLANS 5(2)(o)</b>				
	<b>WORK NO. 5E</b>				
	<b>SHEET 78</b>				
Drawing Number	HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10157				

Illustrative Environmental Mitigation Area



TYPICAL PLAN



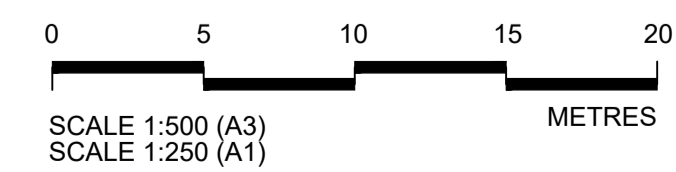
TYPICAL ELEVATION

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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 TR010032/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
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chckd	Apprv'd



Client

Project

LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P02
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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