

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

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

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)(0) STRUCTURES LOCATION KEY PLAN	TR010032/APP/2.13	P05
STRUCTURES PLANS 5(2)(0) STRUCTURES LOCATION KEY PLAN SHEET 1	TR010032/APP/2.13	P02
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STRUCTURES PLANS 5(2)(0) STRUCTURES LOCATION KEY PLAN SHEET 7	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(0) STRUCTURES LOCATION KEY PLAN SHEET 8	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(0) STRUCTURES LOCATION KEY PLAN SHEET 9	TR010032/APP/2.13	P02

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STRUCTURES PLANS 5(2)(0) STRUCTURES LOCATION KEY PLAN SHEET 10	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(0) STRUCTURES LOCATION KEY PLAN SHEET 11	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(0) SOUTH TUNNEL PORTAL SHEET 12	TR010032/APP/2.13	P02
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STRUCTURES PLANS 5(2)(0) NORTH TUNNEL PORTAL SHEET 15	TR010032/APP/2.13	P02
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STRUCTURES PLANS 5(2)(0) NORTH TUNNEL PORTAL SHEET 17	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(o) BORED TUNNELS SHEET 18	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(0) GROUND PROTECTION TUNNEL SHEET 19	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(0) WORK NO. 1D SHEET 20	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(0) WORK NO. 1H SHEET 21	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(0) WORK NO. 2B SHEET 22	TR010032/APP/2.13	P02

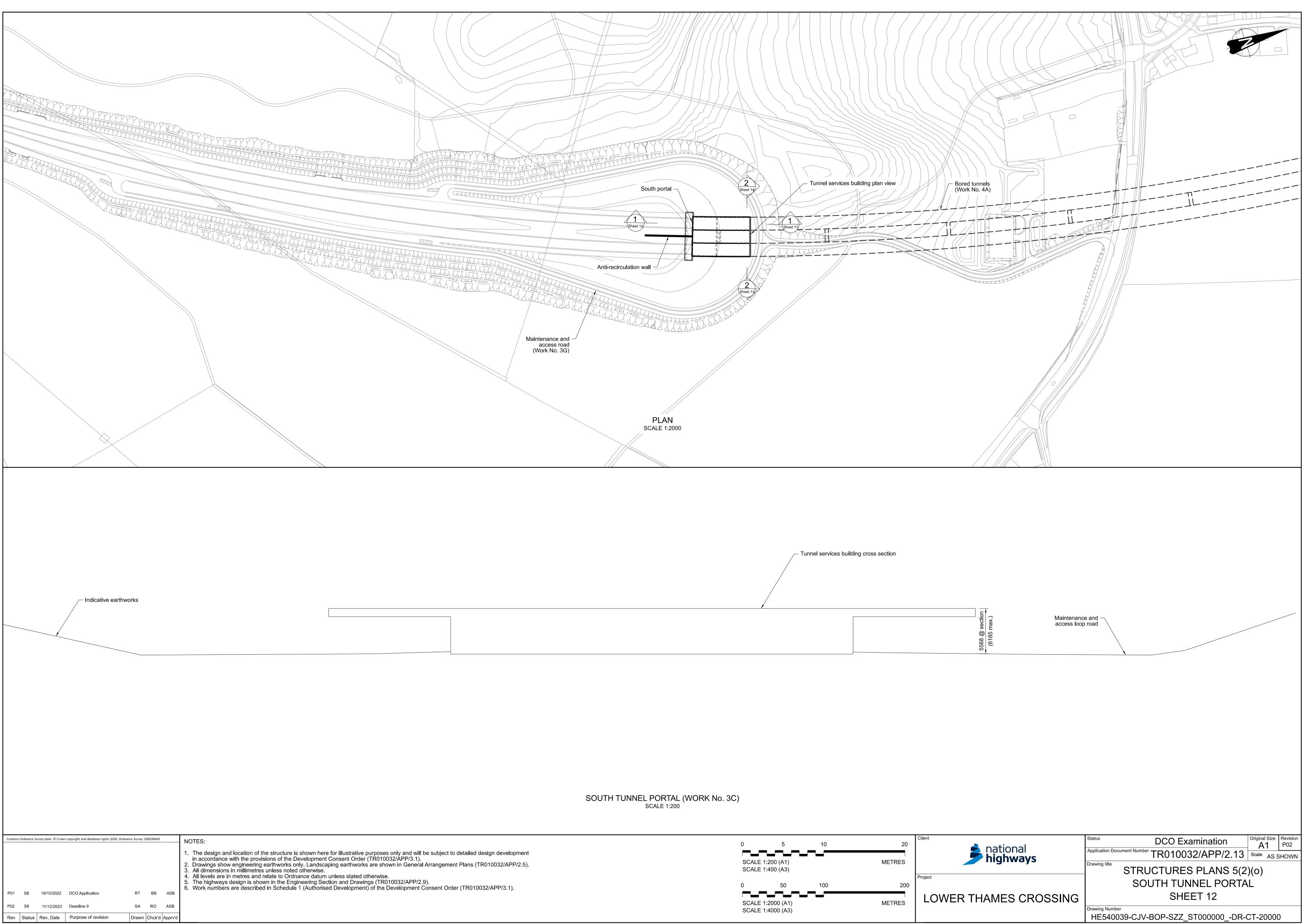
Document Title	Document Number	Revision
STRUCTURES PLANS 5(2)(0) WORK NO. 2A SHEET 23	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(0) WORK NO. 2D SHEET 24	TR010032/APP/2.13	P02
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STRUCTURES PLANS 5(2)(o) WORK NO. 3B SHEET 26	TR010032/APP/2.13	P02
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STRUCTURES PLANS 5(2)(O) WORK NO. 7D SHEET 37	TR010032/APP/2.13	P02
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STRUCTURES PLANS 5(2)(0) WORK NO. 7L SHEET 50	TR010032/APP/2.13	P02
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STRUCTURES PLANS 5(2)(0) WORK NO. 7M SHEET 52	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(0) WORK NO. 8B SHEET 53	TR010032/APP/2.13	P02
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STRUCTURES PLANS 5(2)(0) WORK NO. 8C SHEET 55	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(0) WORK NO. 8D SHEET 56	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(0) WORK NO. 9M SHEET 57	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(0) WORK NO. 9A SHEET 58	TR010032/APP/2.13	P02
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STRUCTURES PLANS 5(2)(0) WORK NO. 9N SHEET 60	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(0) WORK NO. 9A SHEET 61	TR010032/APP/2.13	P02

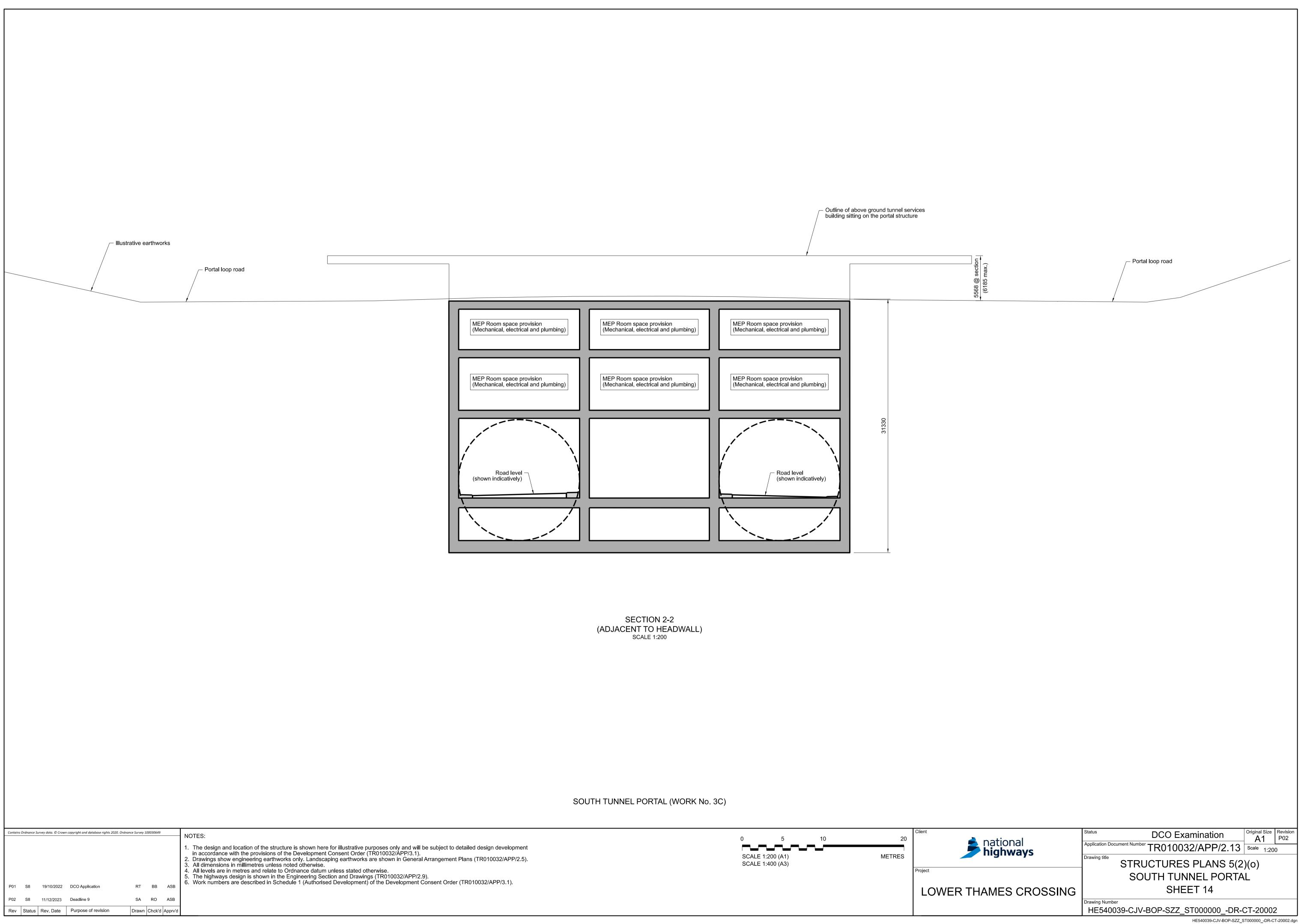
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STRUCTURES PLANS 5(2)(0) WORK NO. 9D SHEET 63	TR010032/APP/2.13	P02
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STRUCTURES PLANS 5(2)(0) TYPICAL FIELD BRIDGE SHEET 72	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(0) GANTRY (SUPER PORTAL TYPE) SHEET 73	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(0) GANTRY (PORTAL TYPE) SHEET 74	TR010032/APP/2.13	P02

Document Title	Document Number	Revision
STRUCTURES PLANS 5(2)(0) GANTRY (CANTILEVER TYPE) SHEET 75	TR010032/APP/2.13	P02
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STRUCTURES PLANS 5(2)(0) WORK NO. 5E SHEET 78	TR010032/APP/2.13	P02
STRUCTURES PLANS 5(2)(0) TYPICAL BAT BARN SHEET 79	TR010032/APP/2.13	P02

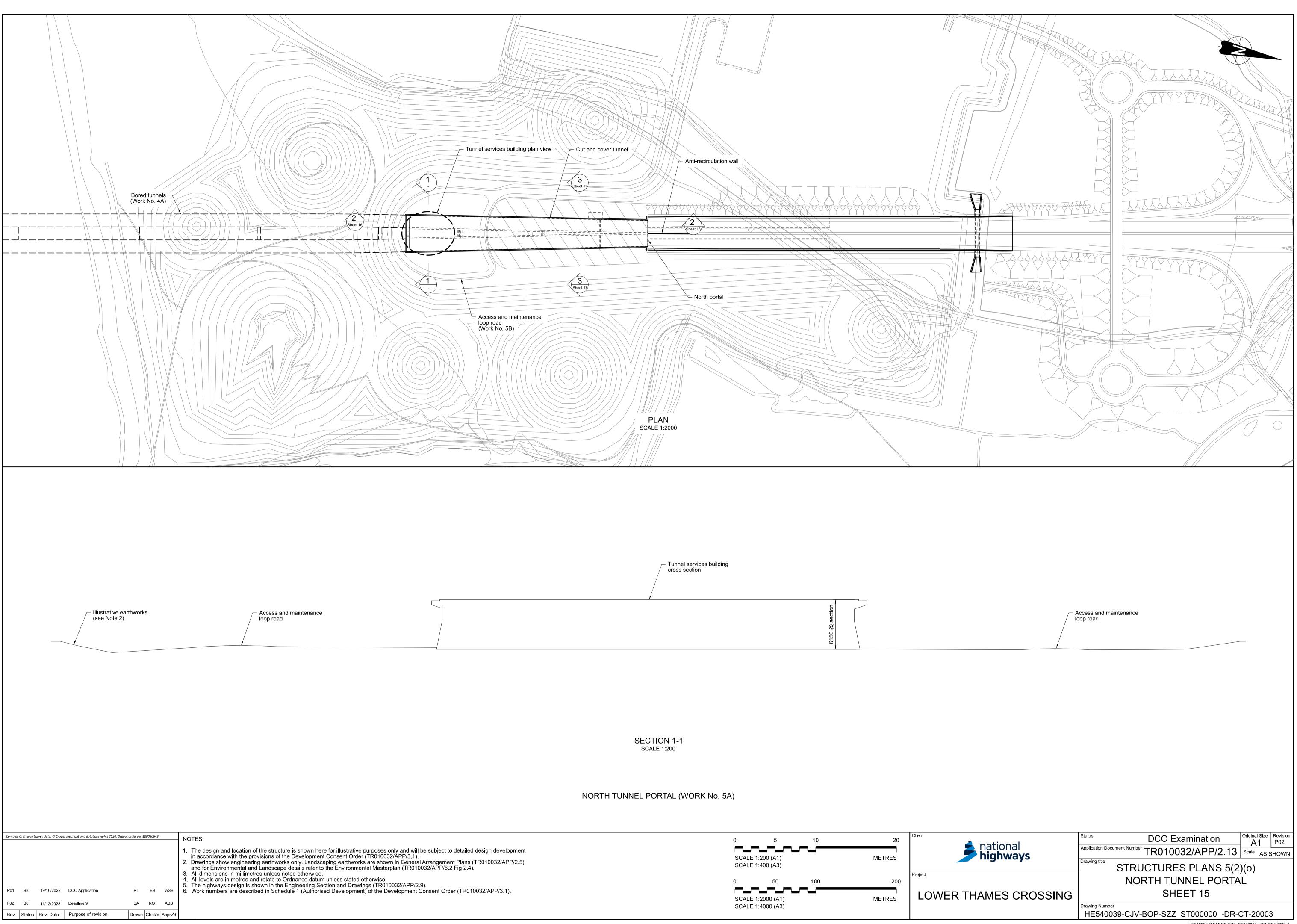


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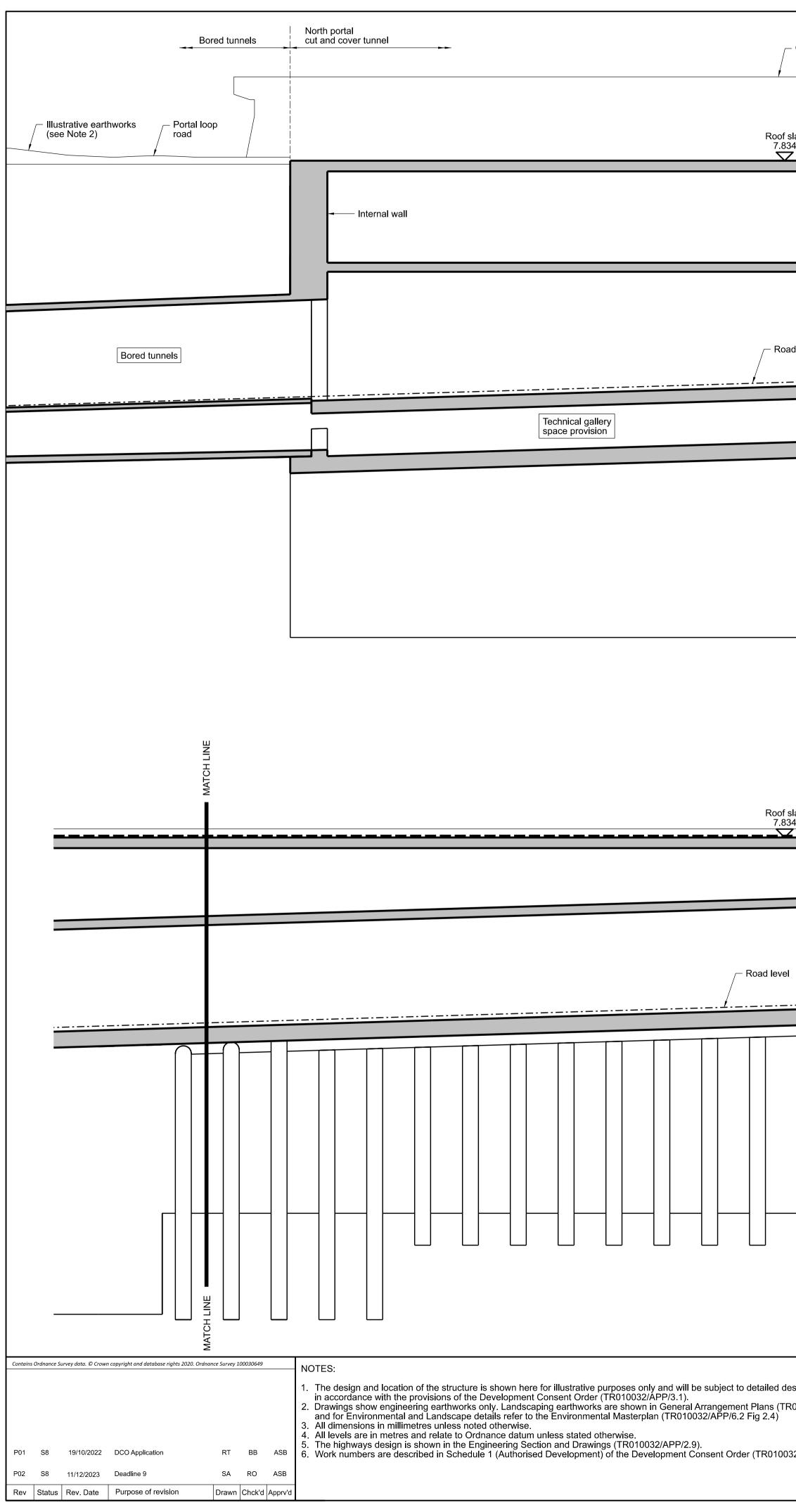
	South portal approach ramp Cut and cover tunnel	South portal cut and cover tunnel	Bored tunnel	
		Outline of above ground tunnel services – building sitting on the portal structure	Illustrative earthworks – – Portal loop road	
		43.500 MEP Room space provision (Mechanical, electrical and plumbing)		
· — · — · — · — · — · — · — · — · — · —	Road level shown indicatively		Bored tunnels	
	Drainage sump	Technical gallery space provision		
		SECTION 1-1 SCALE 1:250		
	SOU	TH TUNNEL PORTAL (WORK No. 3C)		
Contains Ordnance Survey data. © Crown copyright and database rights 2020. Ordnance Survey 100030649 NOTES: 1. The design and location of th in accordance with the provis 2. Drawings show engineering 3. All dimensions in millimetres 4. All levels are in metres and is 5. The highways design is show	the structure is shown here for illustrative purposes only and will be subject to detailed design development isions of the Development Consent Order (TR010032/APP/3.1). g earthworks only. Landscaping earthworks are shown in General Arrangement Plans (TR010032/APP/2.5). s unless noted otherwise. relate to Ordnance datum unless stated otherwise. own in the Engineering Section and Drawings (TR010032/APP/2.9). ed in Schedule 1 (Authorised Development) of the Development Consent Order (TR010032/APP/3.1).	0 5 10 15 SCALE 1:250 (A1) SCALE 1:500 (A3)		Status DCO Examination Original Size A1 Revision P02 Application Document Number TR010032/APP/2.13 Scale 1:250 Drawing title STRUCTURES PLANS 5(2)(0) SOUTH TUNNEL PORTAL
P01 S8 19/10/2022 DCO Application RT BB ASB P02 S8 11/12/2023 Deadline 9 SA RO ASB Rev Status Rev. Date Purpose of revision Drawn Chck'd Apprv'd	ed in Schedule 1 (Authorised Development) of the Development Consent Order (TR010032/APP/3.1).		LOWER THAMES CROSSING	Drawing Number HE540039-CJV-BOP-SZZ_ST000000DR-CT-20001 HE540039-CJV-BOP-SZZ_ST000000DR-CT-20001.dgr



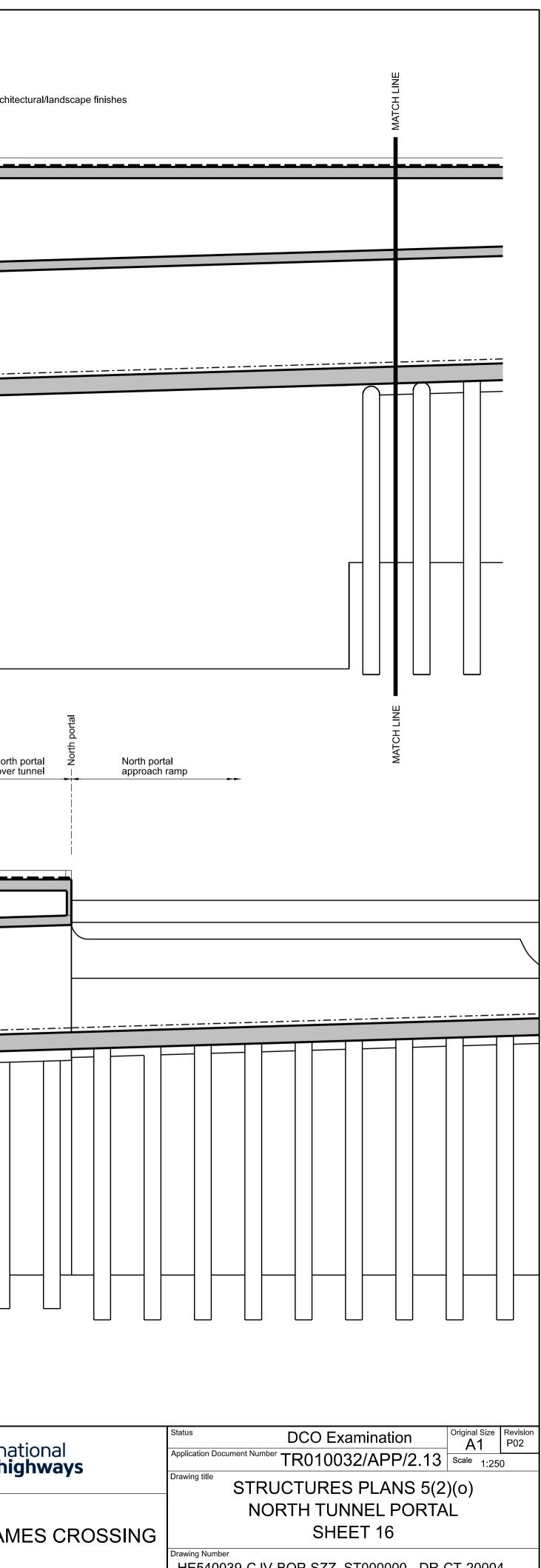
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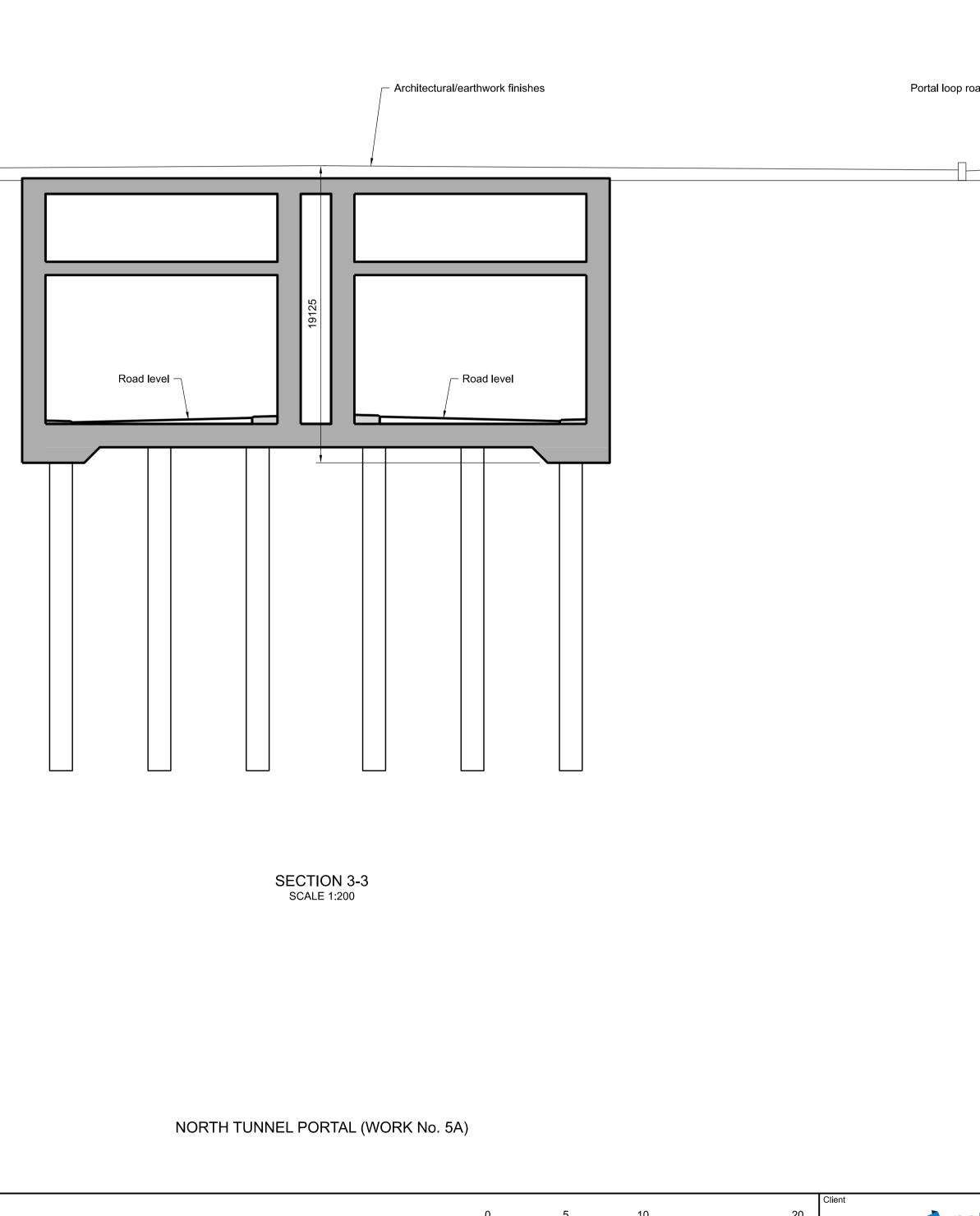
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s (TR010032/APP/2.5) 4).	SCALE 1: SCALE 1:	. ,		METRES	
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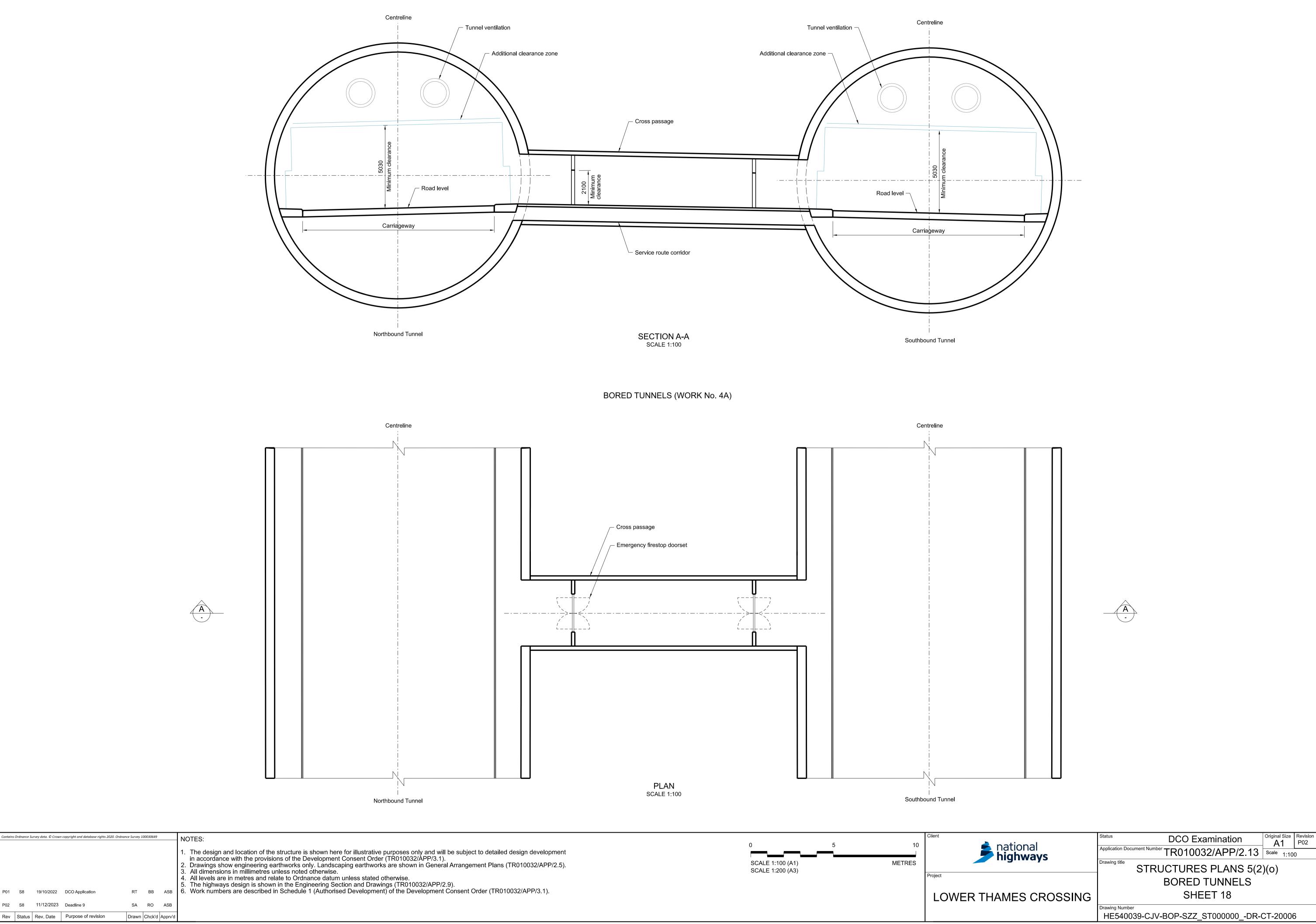


- Outline of above ground tunnel services building sitting on the portal structure		
slab 14 7	Ω	Archit
d level		
 Zone of potential ground treatment to ensure base stability of the excavation during construction 		
SECTION 2-2 SCALE 1:250		
		Nortl cut and cover
slab i4		
Drainage sump		
SECTION 2-2 SCALE 1:250	NORTH TUNNEL PORTAL (WORK NO	p. 5A)
esign development 2010032/APP/2.5)	0 5 10 15 20 SCALE 1:250 (A1) METRES SCALE 1:500 (A3)	Client
32/APP/3.1).		



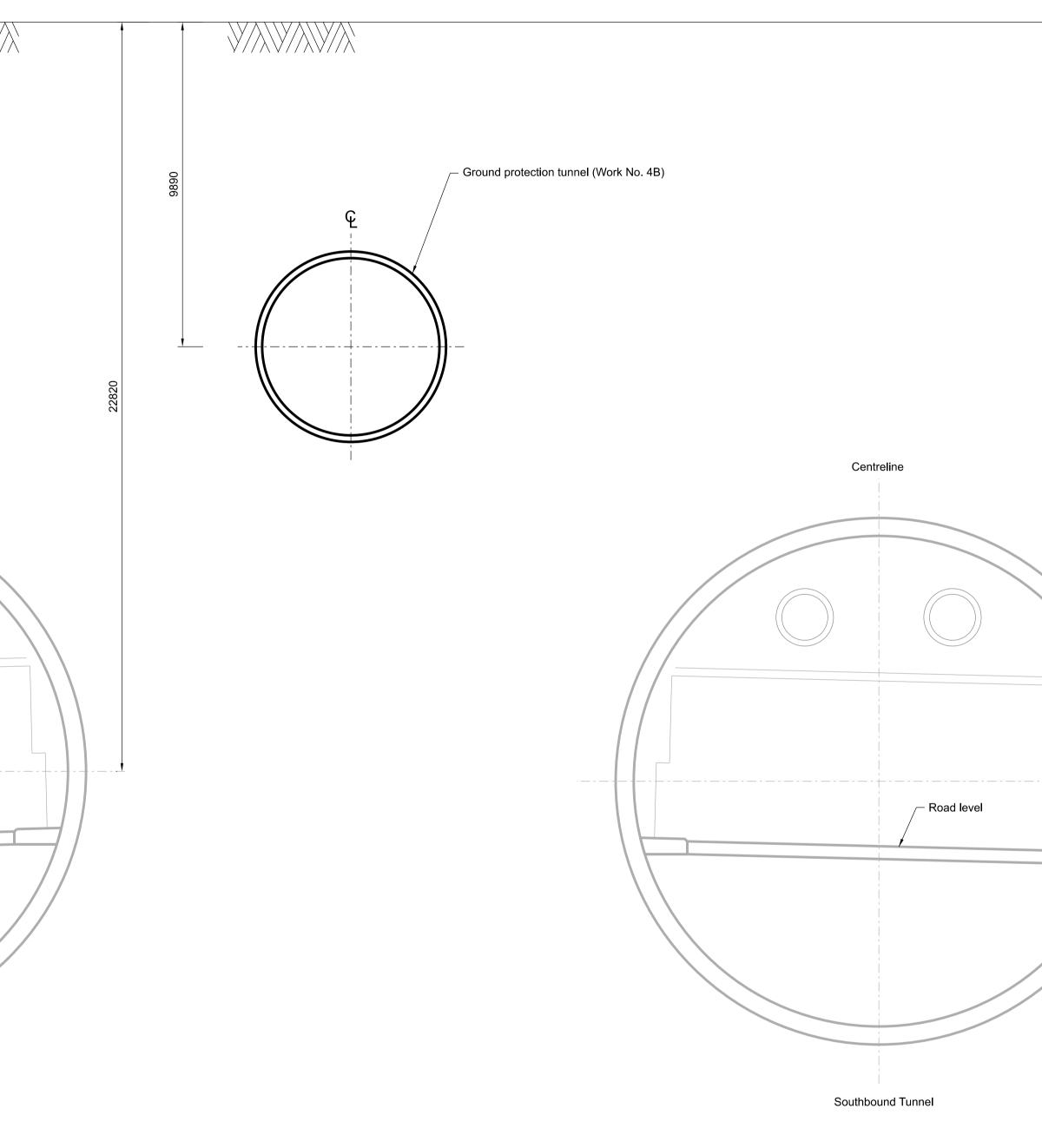
	Illustrative earthworks (see Note 2)	Architec	tural/earthwork finishes	Portal loop road	
		Image: Construction of the second system Image: Consecond system Image:			
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P01 S8 19/10/2022 DCO Application	 The design and location of the structure is shown here for illustrative purposes only and will be 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 A and for Environmental and Landscape details refer to the Environmental Masterplan (TR01003). 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 Context of the Development	subject to detailed design development rrangement Plans (TR010032/APP/2.5) 2/APP/6.2 Fig 2.4) nsent Order (TR010032/APP/3.1).		20 RES Project LOWER THAMES CROSSING	Drawing title Drawing title NORTH TUNNEL PORTAL
P02S811/12/2023Deadline 9RevStatusRev. DatePurpose of revision	SA RO ASB Drawn Chck'd Apprv'd				Drawing Number HE540039-CJV-BOP-SZZ_ST000000DR-CT-20005
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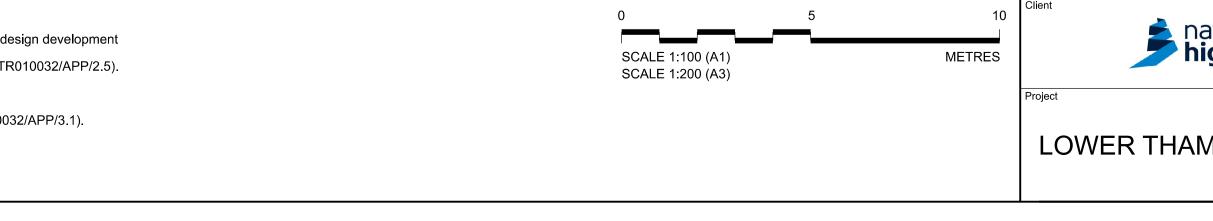




P02	S8	11/12/2023	Deadline 9	SA	RO	AS
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Аррі

Main tunnel bore (Work No. 4A)	Centreline
NOTES.	Northbound Tunnel where for illustrative purposes only and will be subject to detailed de pment Consent Order (TR010032/APP/3.1). andscaping earthworks are shown in General Arrangement Plans (TF rwise. datum unless stated otherwise. ng Section and Drawings (TR010032/APP/2.9). thorised Development) of the Development Consent Order (TR0100

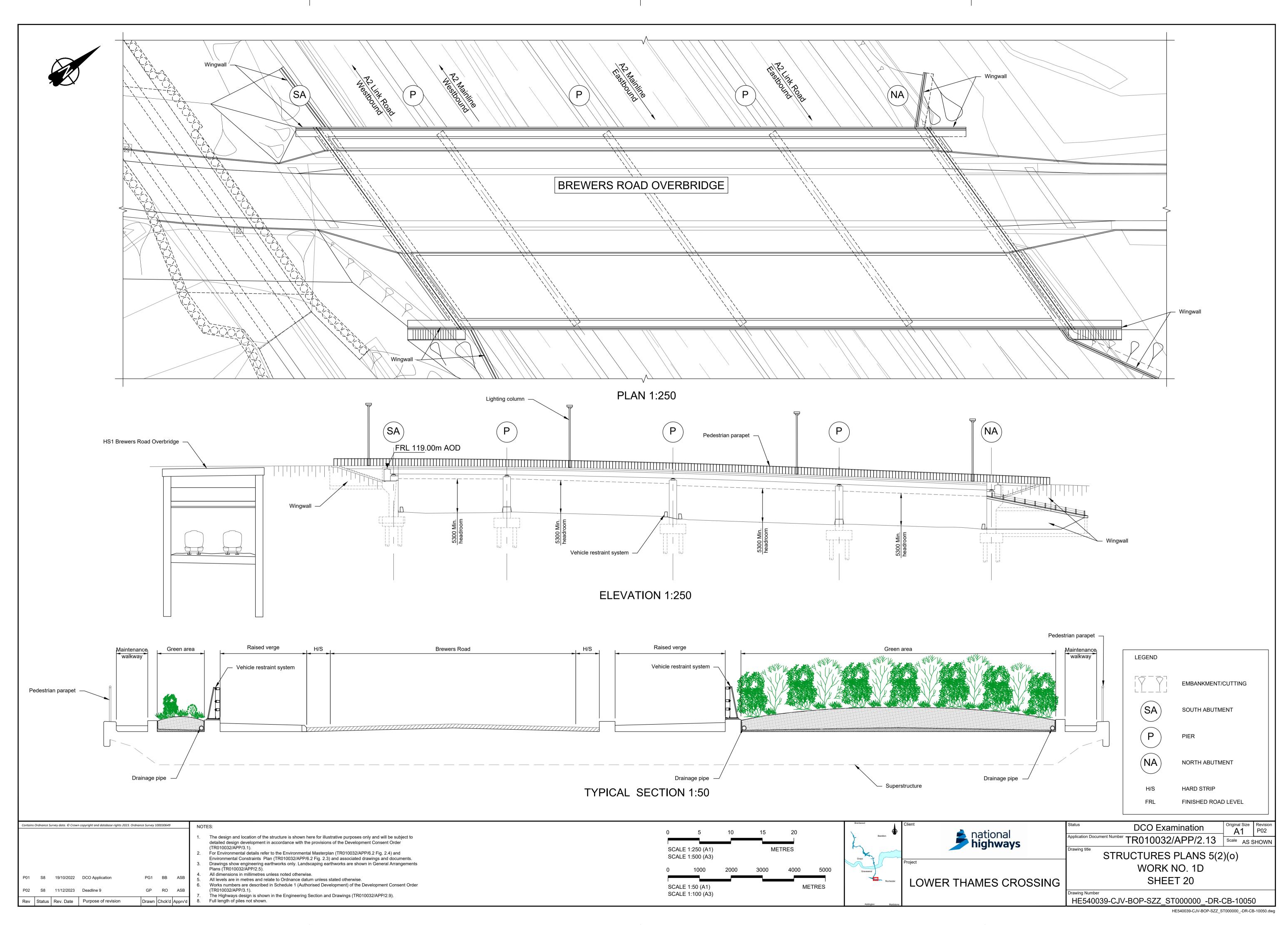


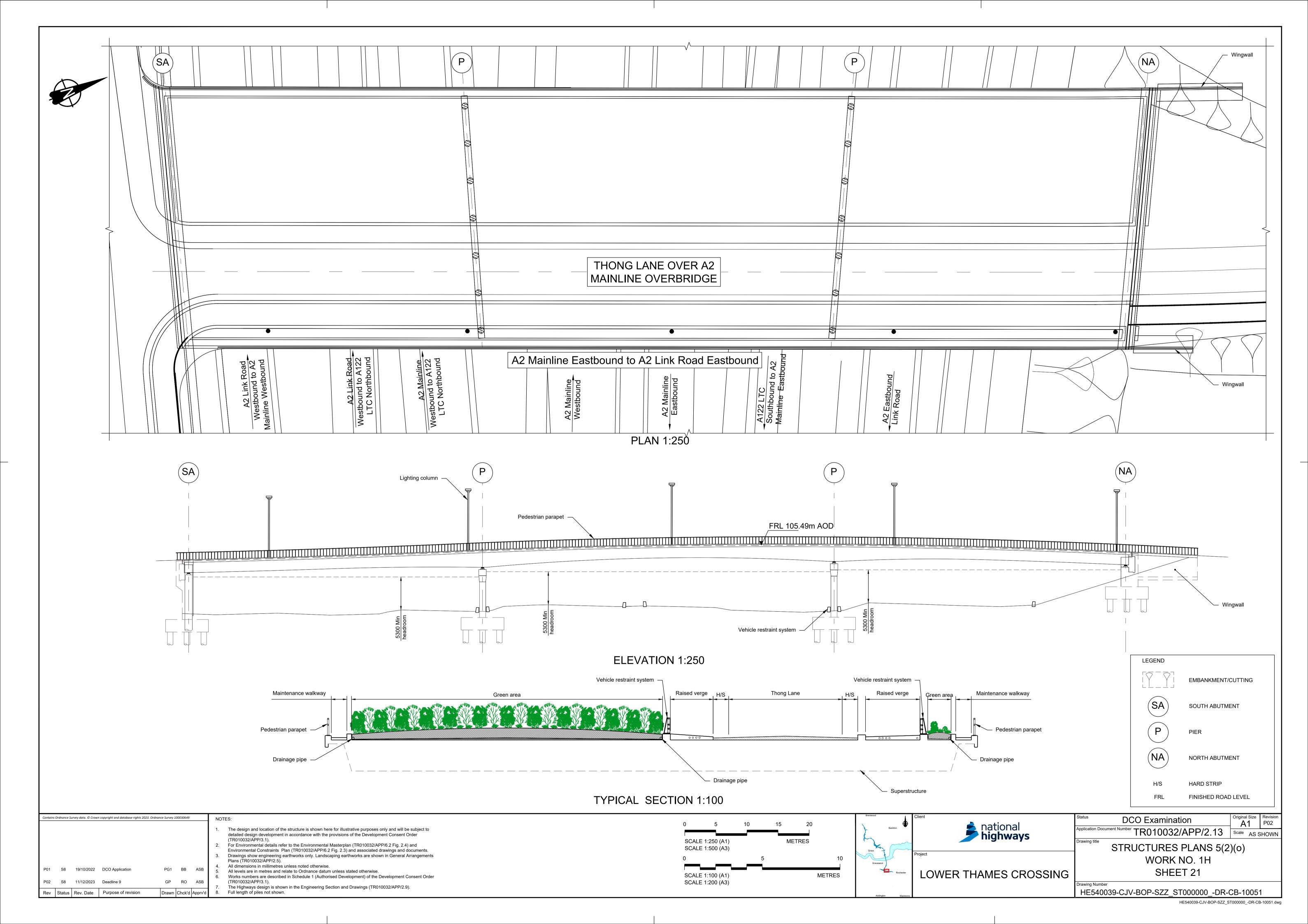


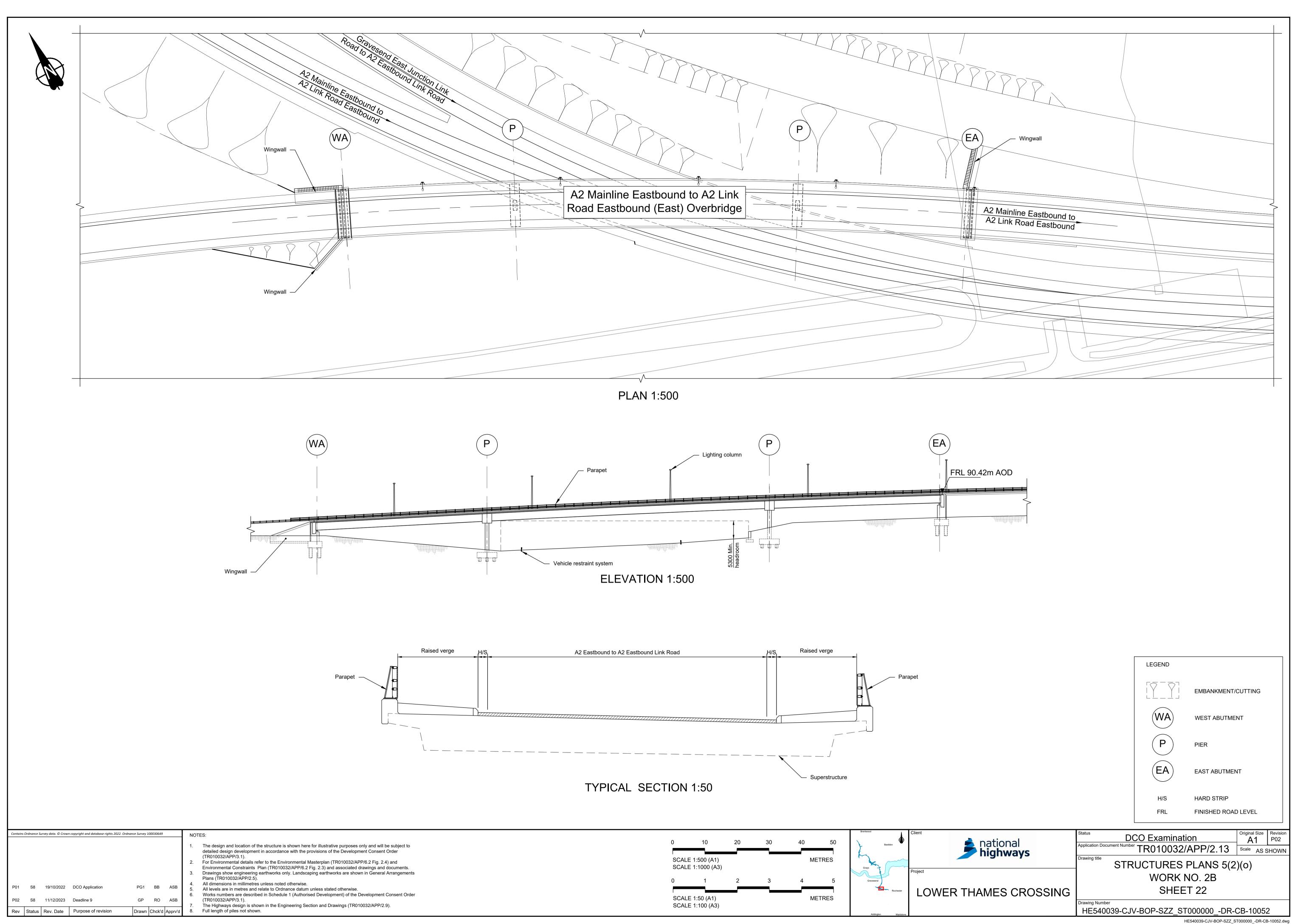


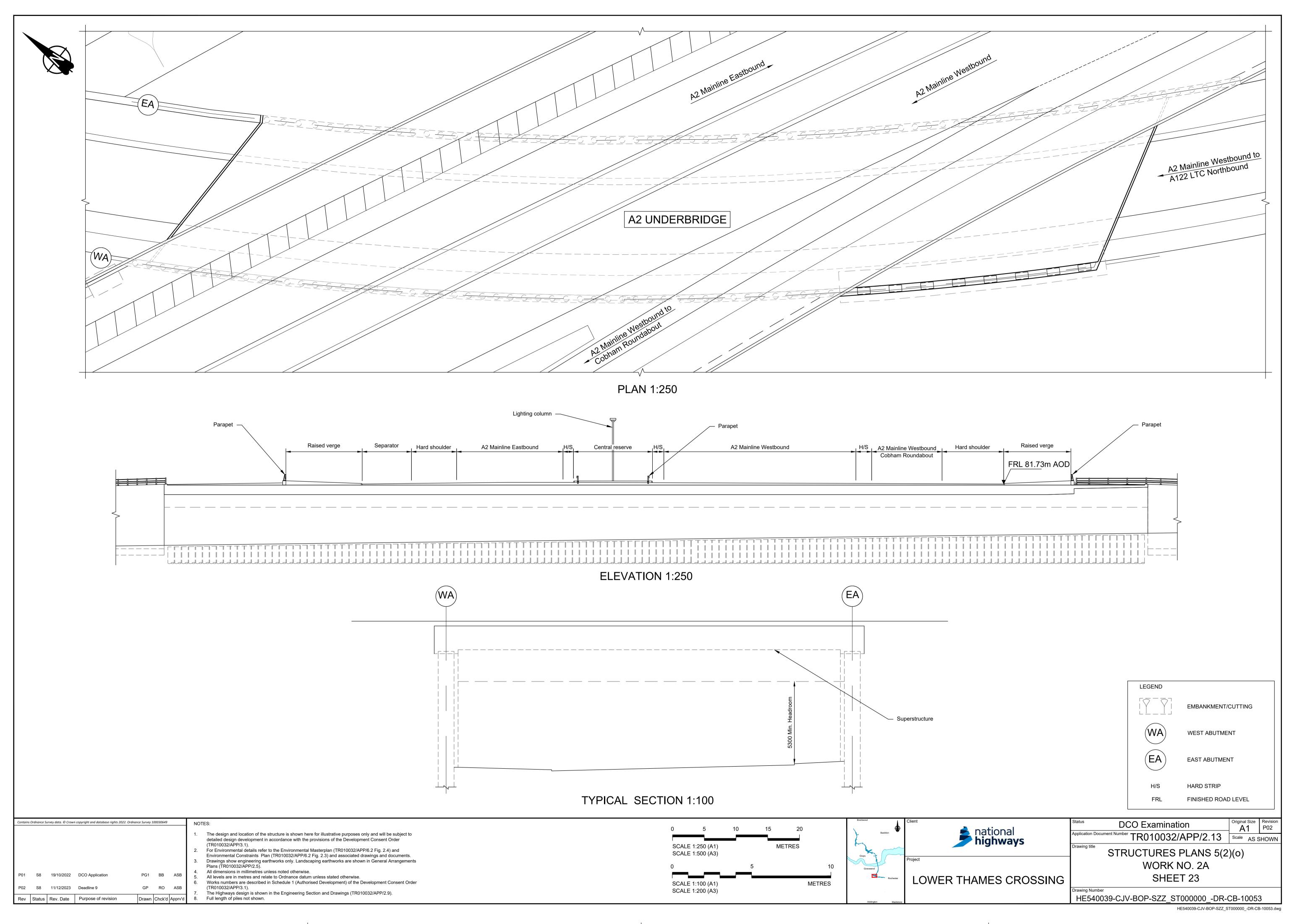
/- Main tunnel bore (Work No. 4A)

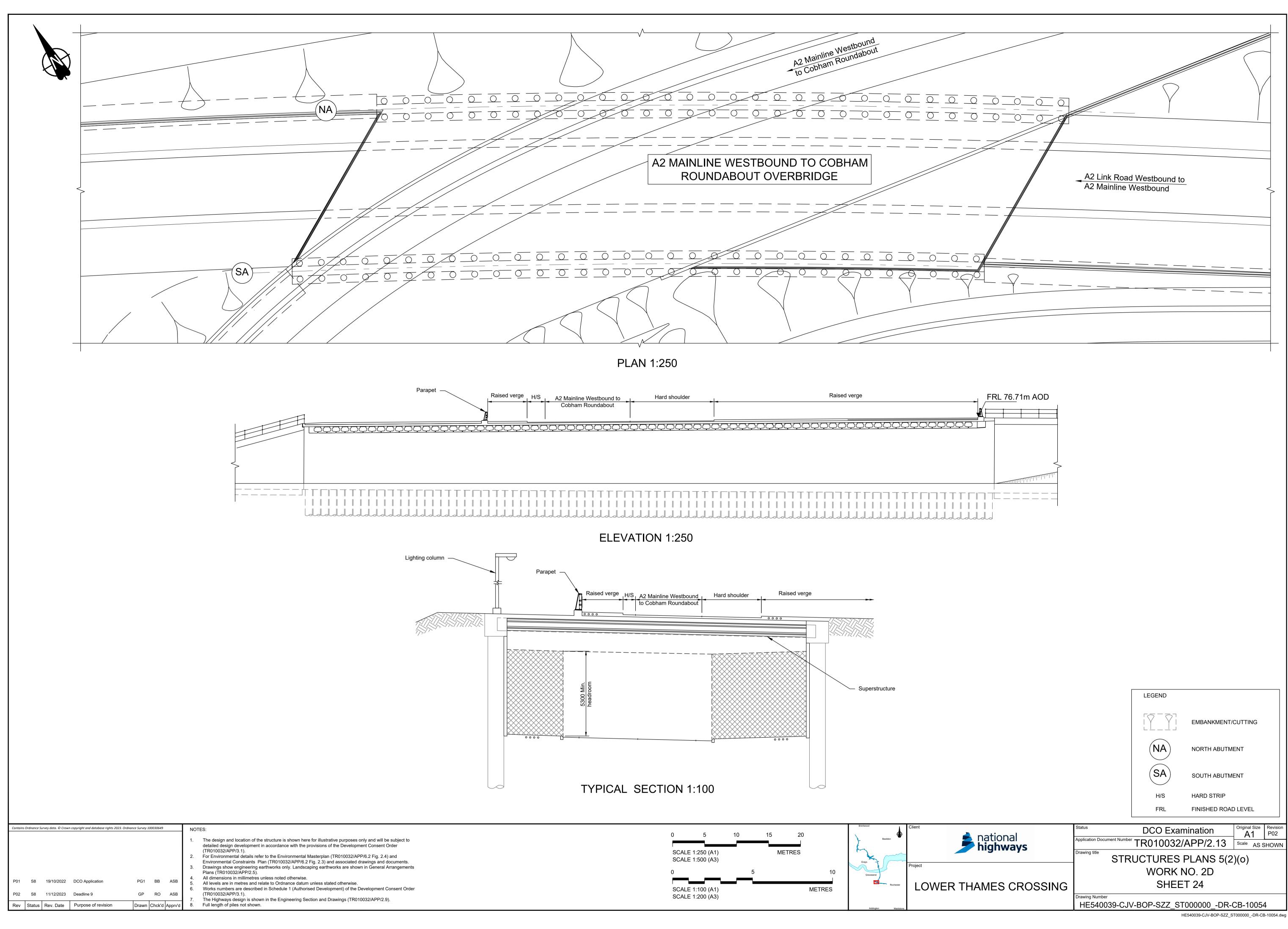
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	GROUND PROTECTION TUNNEL					
MES CROSSING	SHEET 19					
	Drawing Number HE540039-CJV-BOP-SZZ ST000000 -DR-CT-20007					

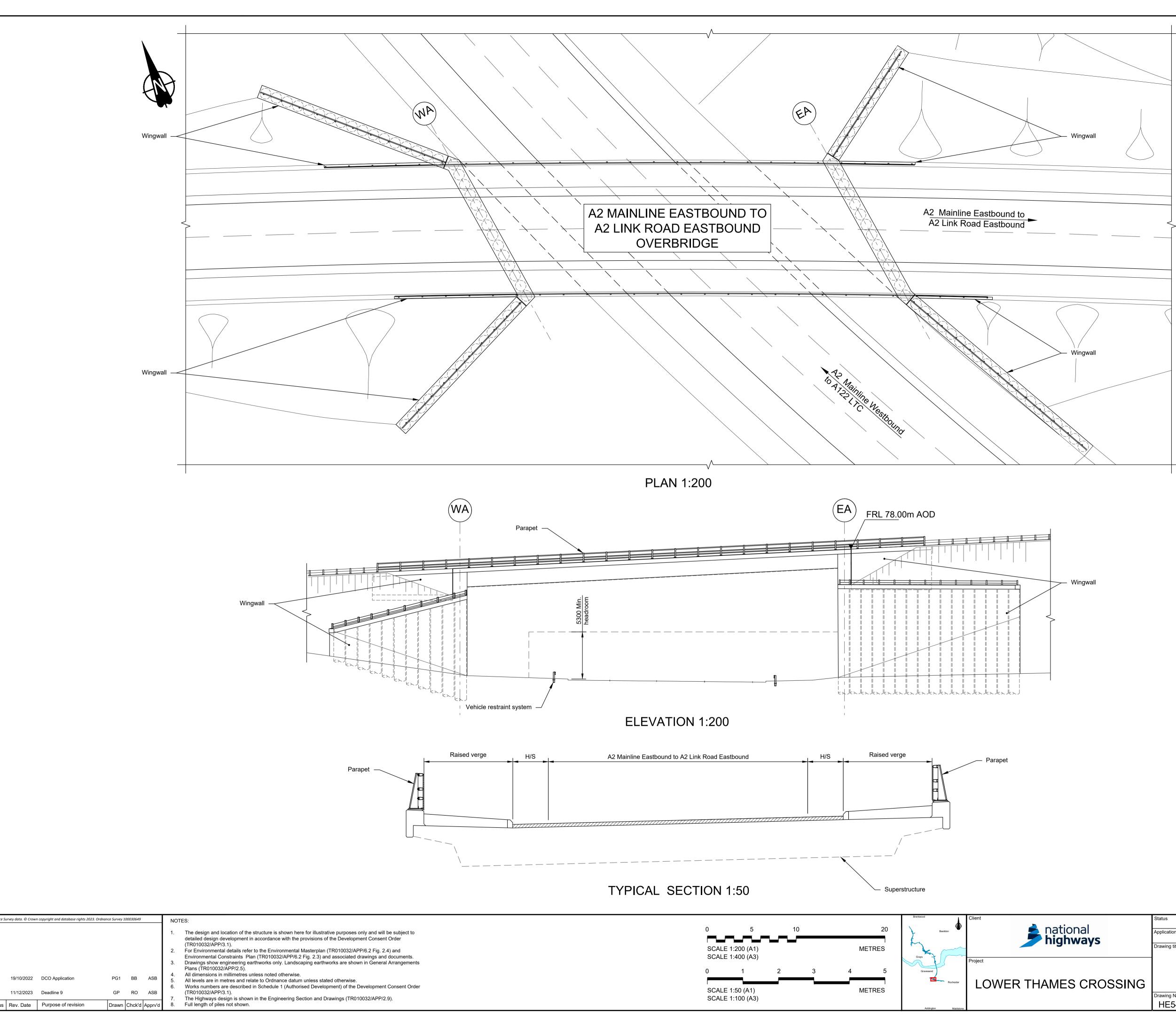












Contain	Contains Ordnance Survey data. © Crown copyright and database rights 2023. Ordnance Survey 100030649						NOT	NOTES:			
							1. 2. 3.	The design and location of the structure is shown here for illustrative purposes only and will be subject to detailed design development in accordance with the provisions of the Development Consent Order (TR010032/APP/3.1). 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).			
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB	4. 5. 6.	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			
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB	0. 7	(TR010032/APP/3.1). The Highways design is shown in the Engineering Section and Drawings (TR010032/APP/2.9).			
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd	8.	Full length of piles not shown.			

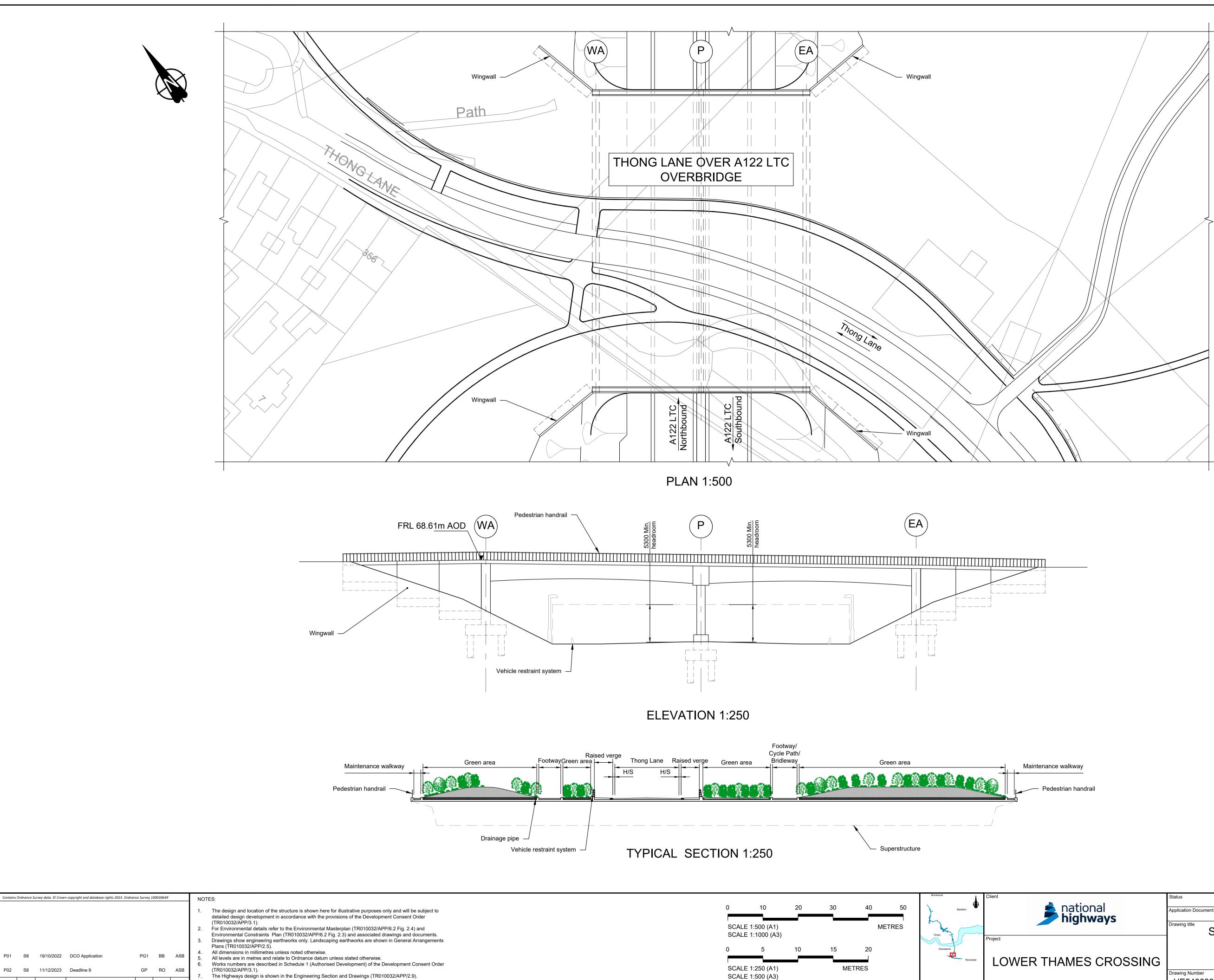
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		WA	WEST ABUTME	NT						
		P	PIERS							
		EA	EAST ABUTMEN	NT						
		H/S	HARDSTRIP							
		FRL	FINISHED ROAL	D LEVEL						
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LEGEND

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EMBANKMENT/CUTTING



						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.
S8	19/10/2022	DCO Application	PG1	BB	ASB	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
S8	11/12/2023	Deadline 9	GP	RO	ASB		(TR010032/APP/3.1).
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Rev Status Rev. Date Purpose of revision

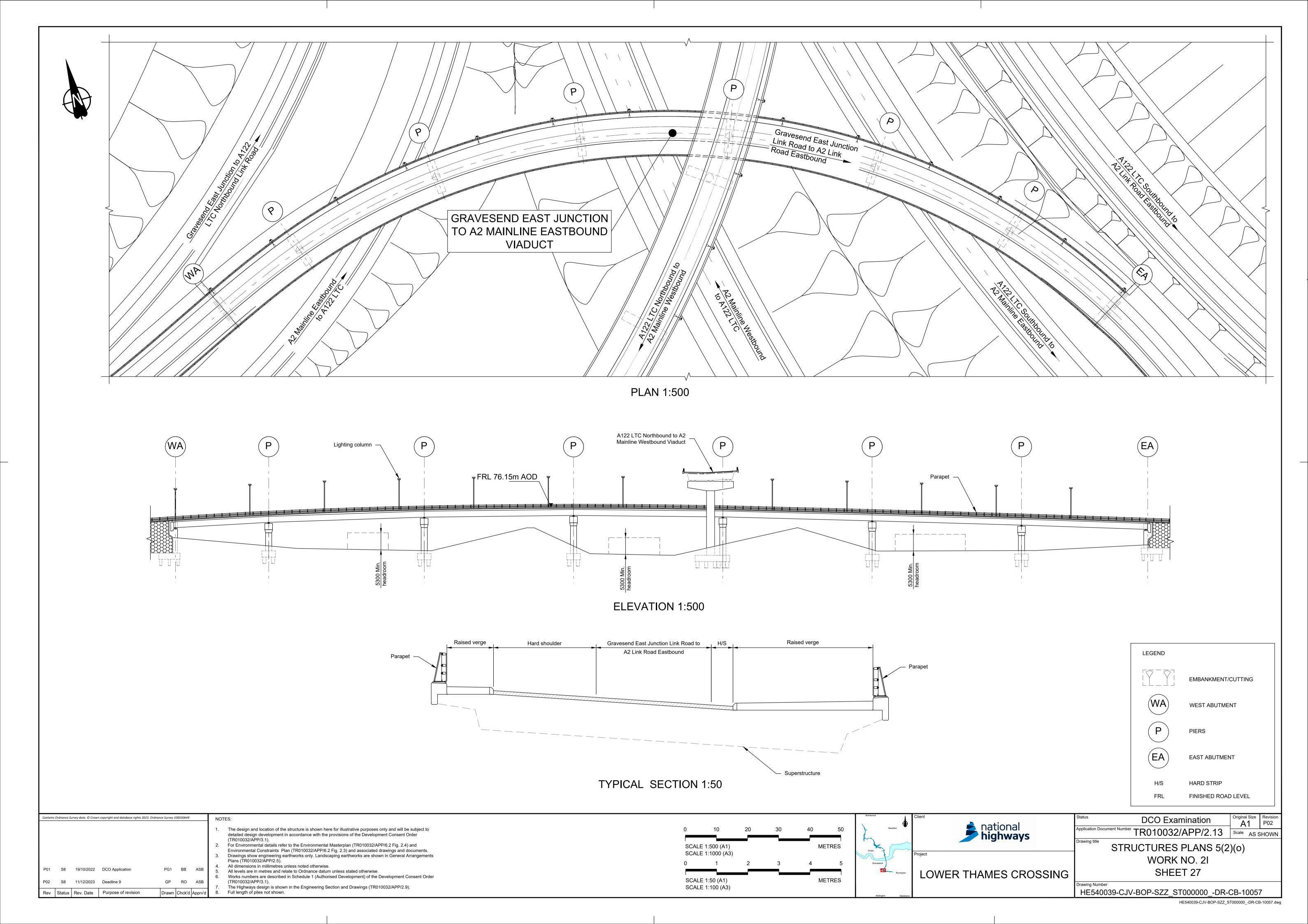
The Highways design is shown in the Engineering Section and Drawings (TR010032/APP/2.9).
 Full length of piles not shown.

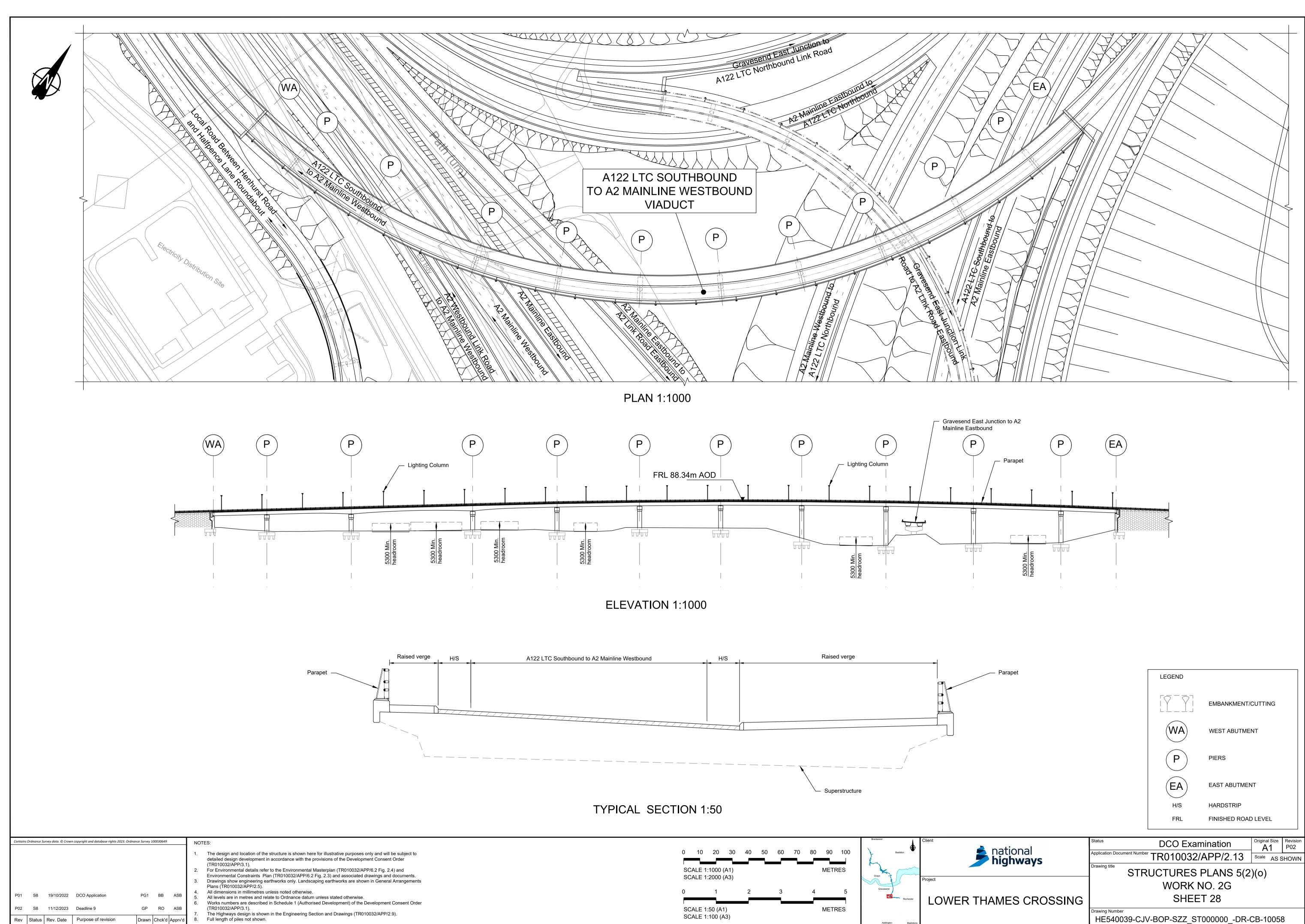
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	FRL FINISHED ROAD						
ational	Status DCO Examination	Original Size	Revision P02				
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	Drawing title STRUCTURES PLANS 5(2)(0)						
	WORK NO. 3B						
MES CROSSING	SHEET 26						

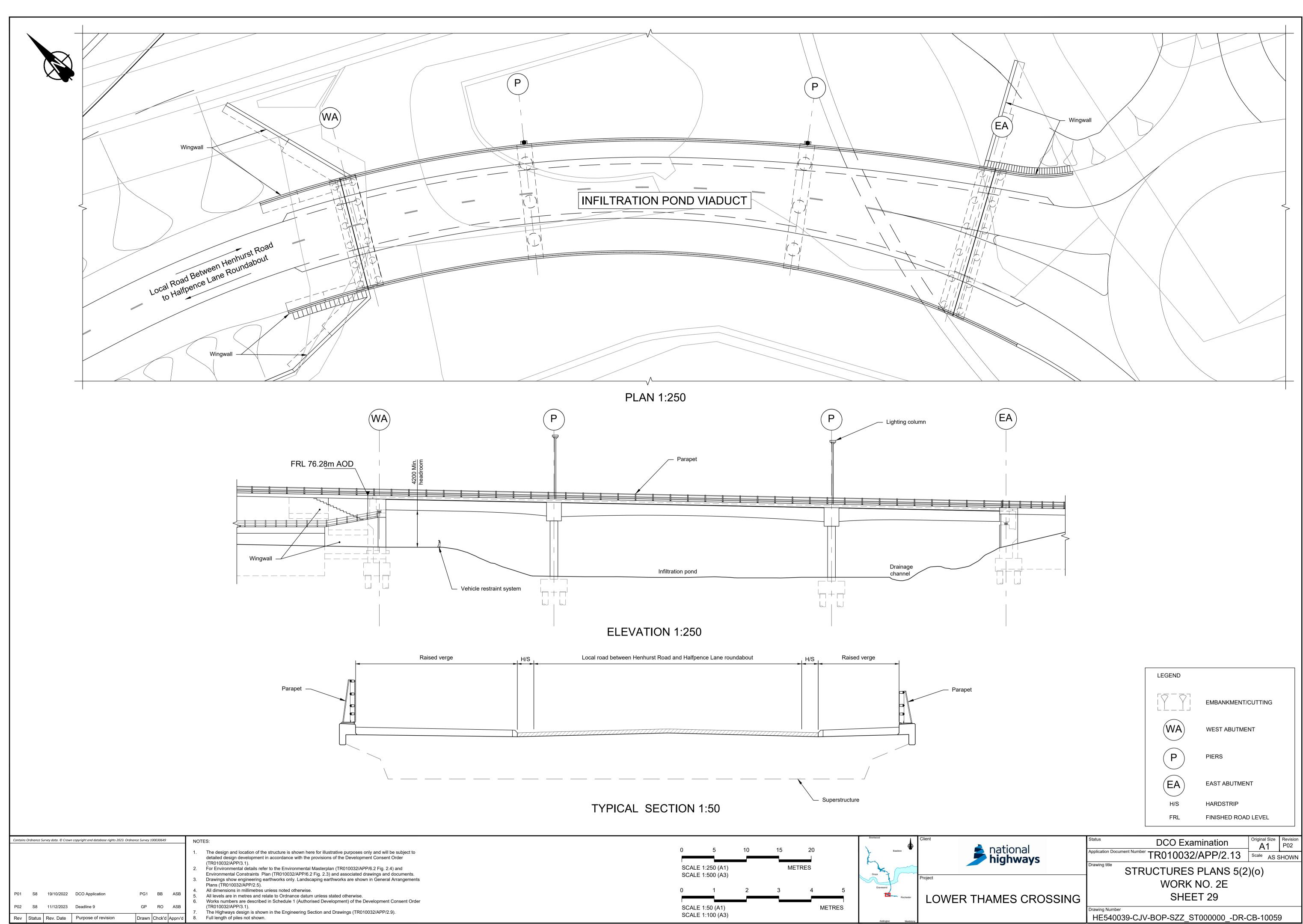
			EMBANKMENT/	CUTTING		
lkway n handrail		WA	WEST ABUTME	NT		
		EA	EAST ABUTMEN	IT		
		P	PIER			
		H/S	HARDSTRIP			
		FRL	FINISHED ROAD) LEVEL		
S	Status	DCO Exam	ination	Original Size	Revis	ion

LEGEND

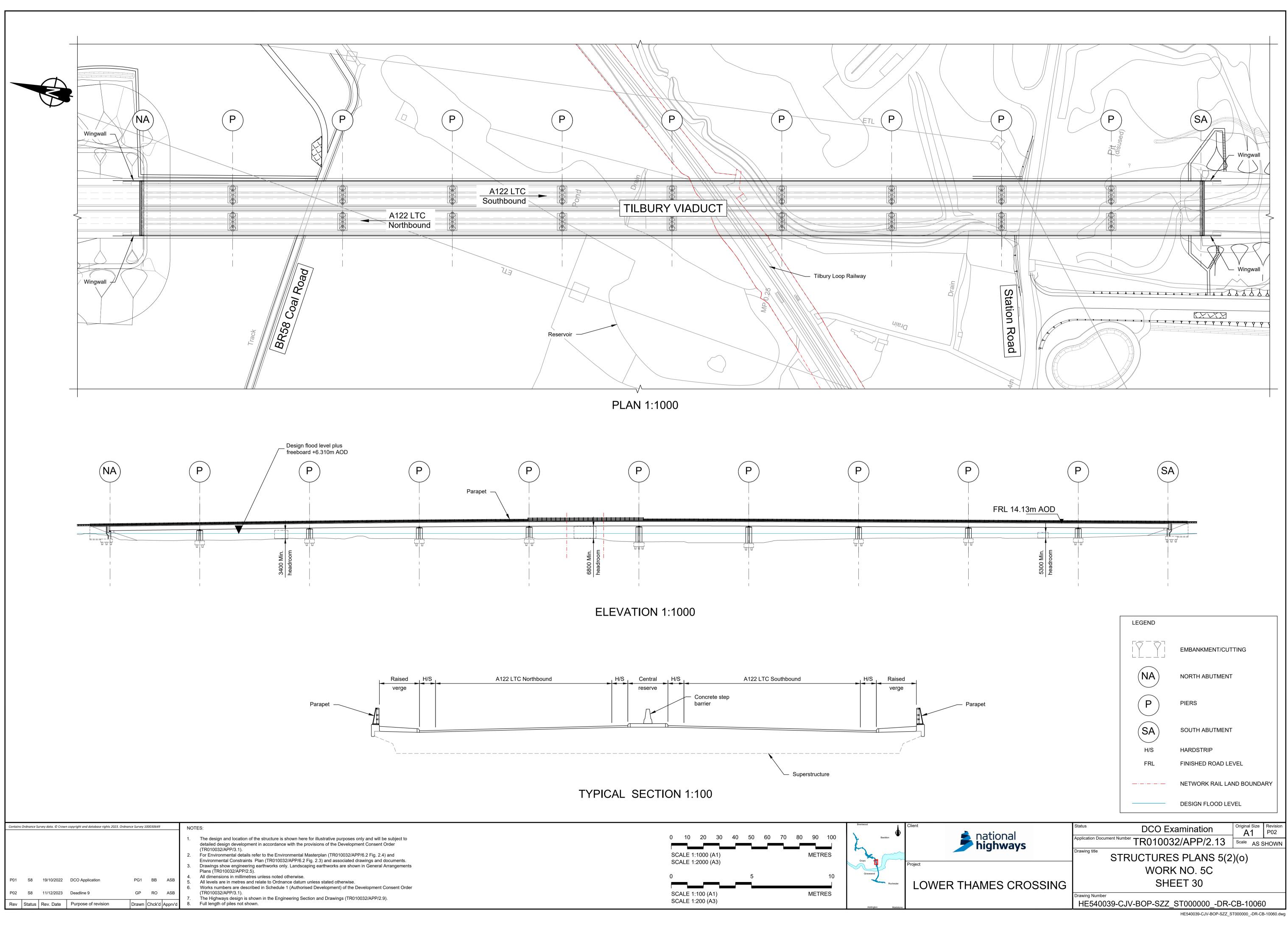




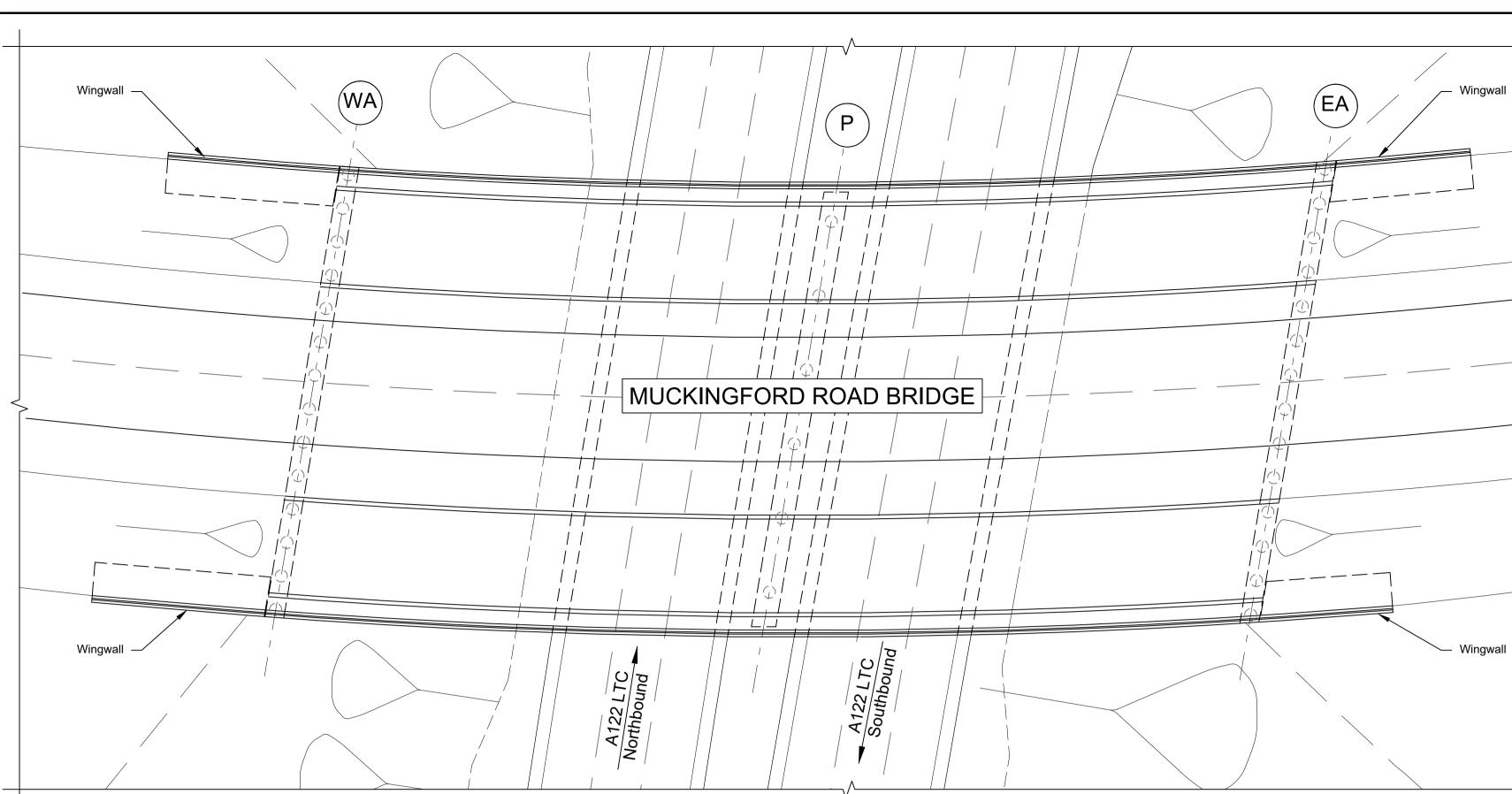
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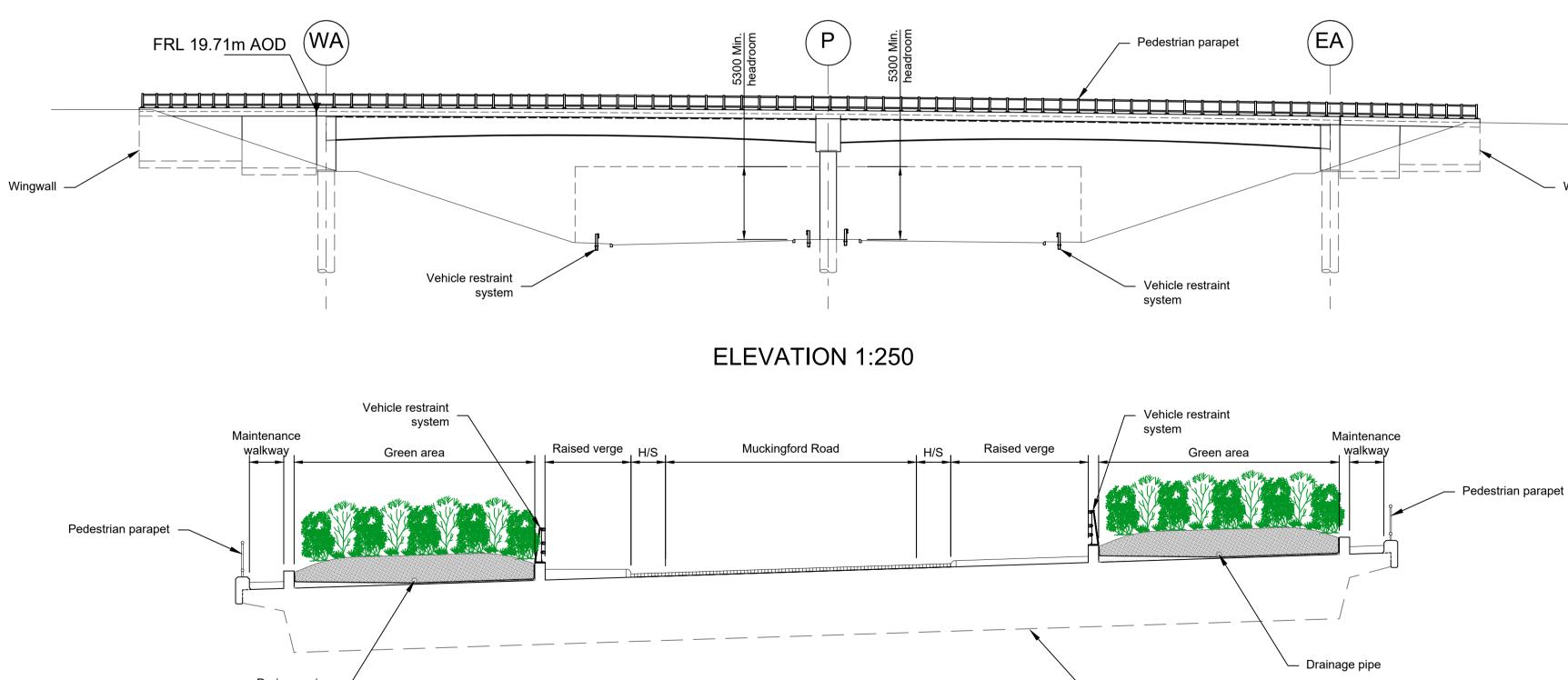


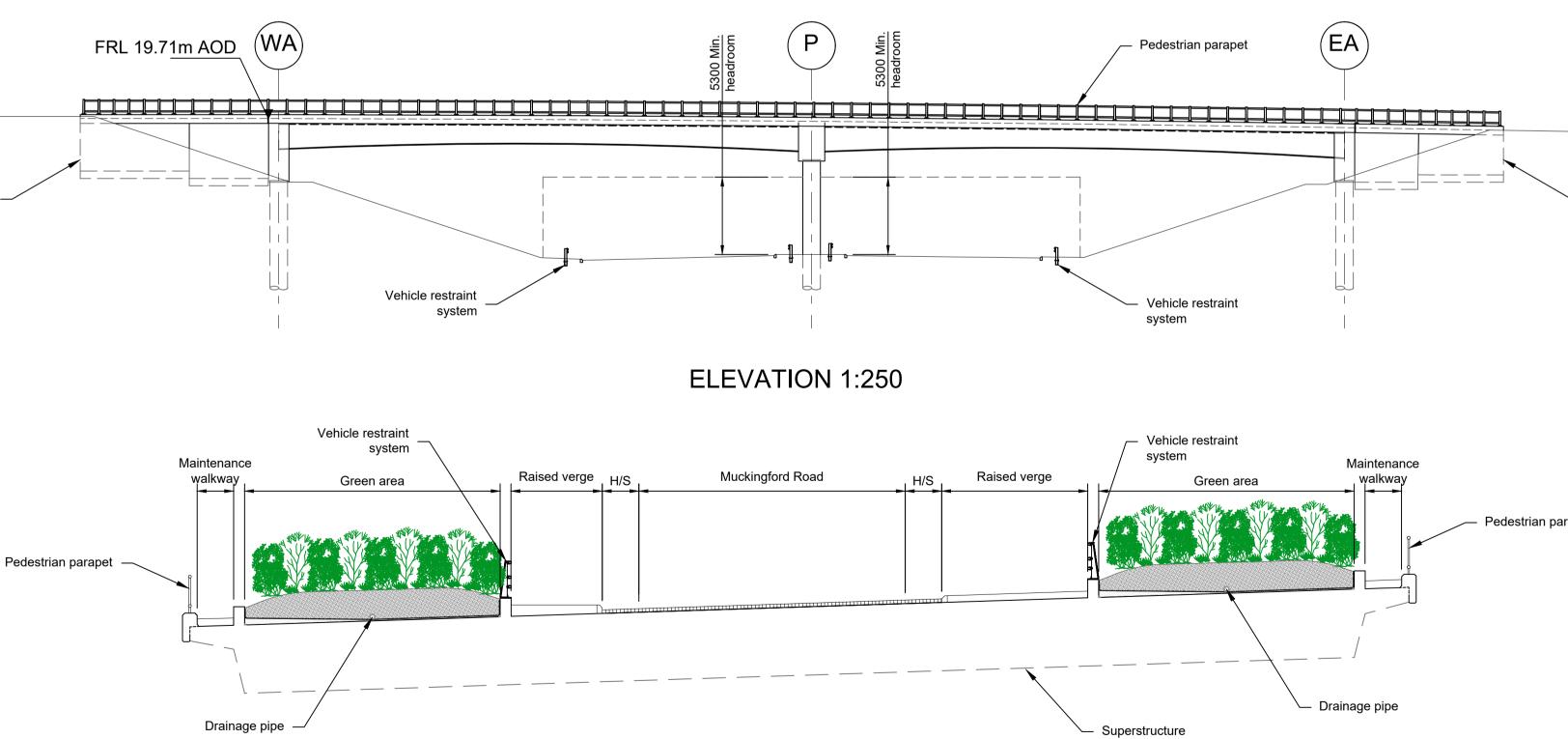
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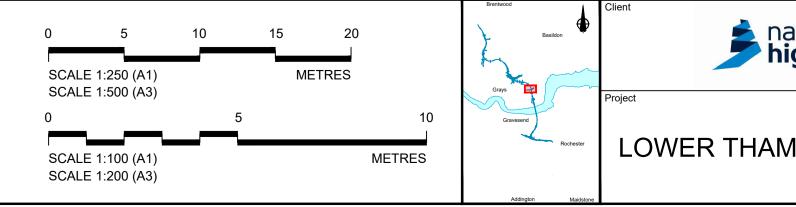




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P01 S8 P02 S8 Rev Status	19/10/2022 11/12/2023	DCO Application Deadline 9 Purpose of revision	PG1 GP Drawn	BB RO Chck'd	ASB ASB Apprv'd	 The design and location of the structure is shown here for illustrative purposes only and will be subject to detailed design development in accordance with the provisions of the Development Consent Order (TR010032/APP/3.1). 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.

PLAN 1:250

TYPICAL SECTION 1:100



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EMBANKMENT/CUTTING

WEST ABUTMENT

EAST ABUTMENT

PIERS

		H/S	HARDSTRIP		
		FRL	FINISHED ROAL	DLEVEL	
	Status	DCO Exar	mination	Original Size	Revision
national	Application Document Numbe			A1	P02
nighways		10032	AFF/Z.13	Scale AS S	SHOWN
	Drawing title	UCTURES	PLANS 5(2)(0)	
		WORK I	NO. 6B	,,,,	
MES CROSSING		SHEE	T 31		
	Drawing Number HE540039-CJ	V-BOP-SZZ_ST		CB-1006	1

LEGEND

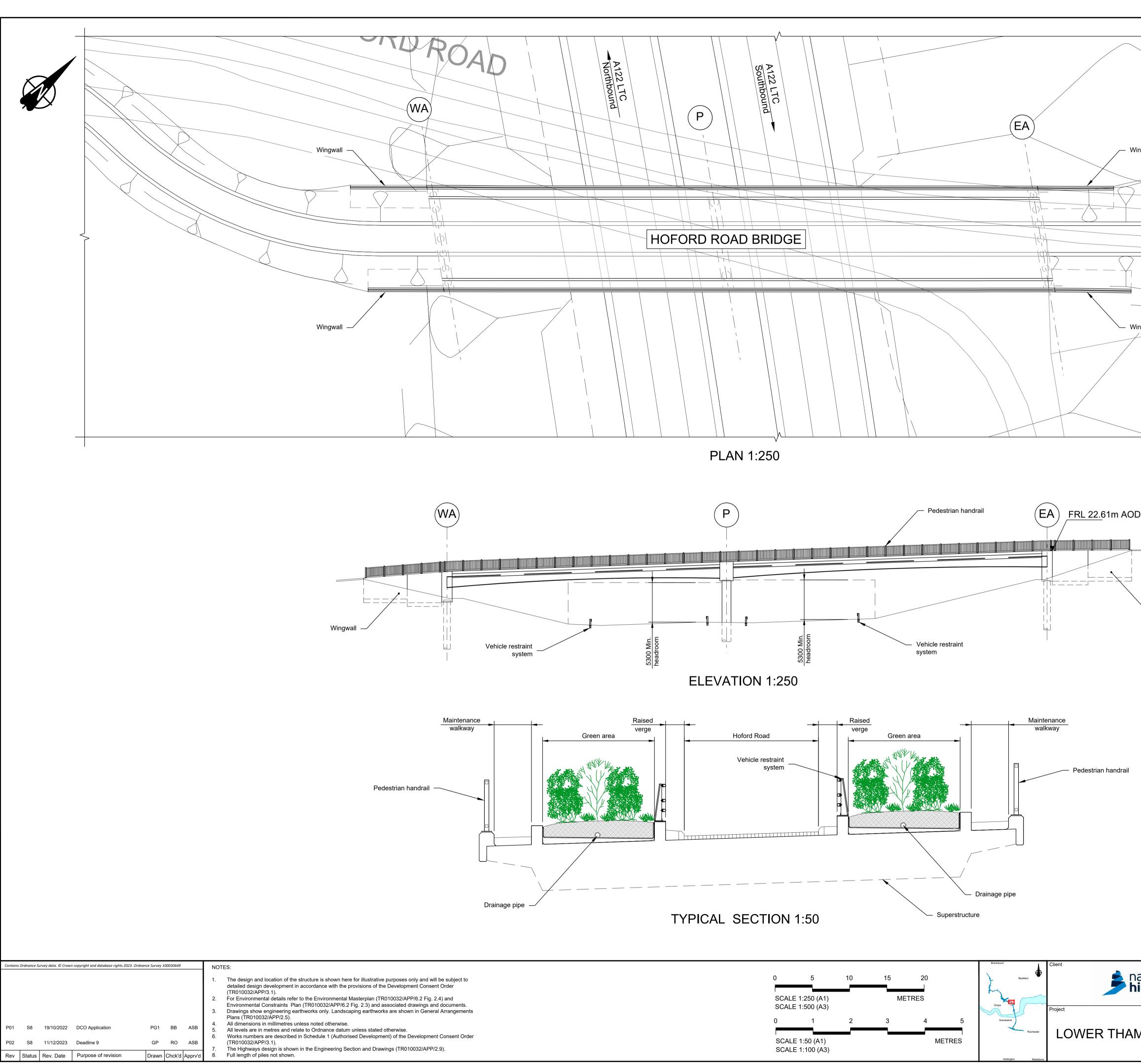
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(WA)

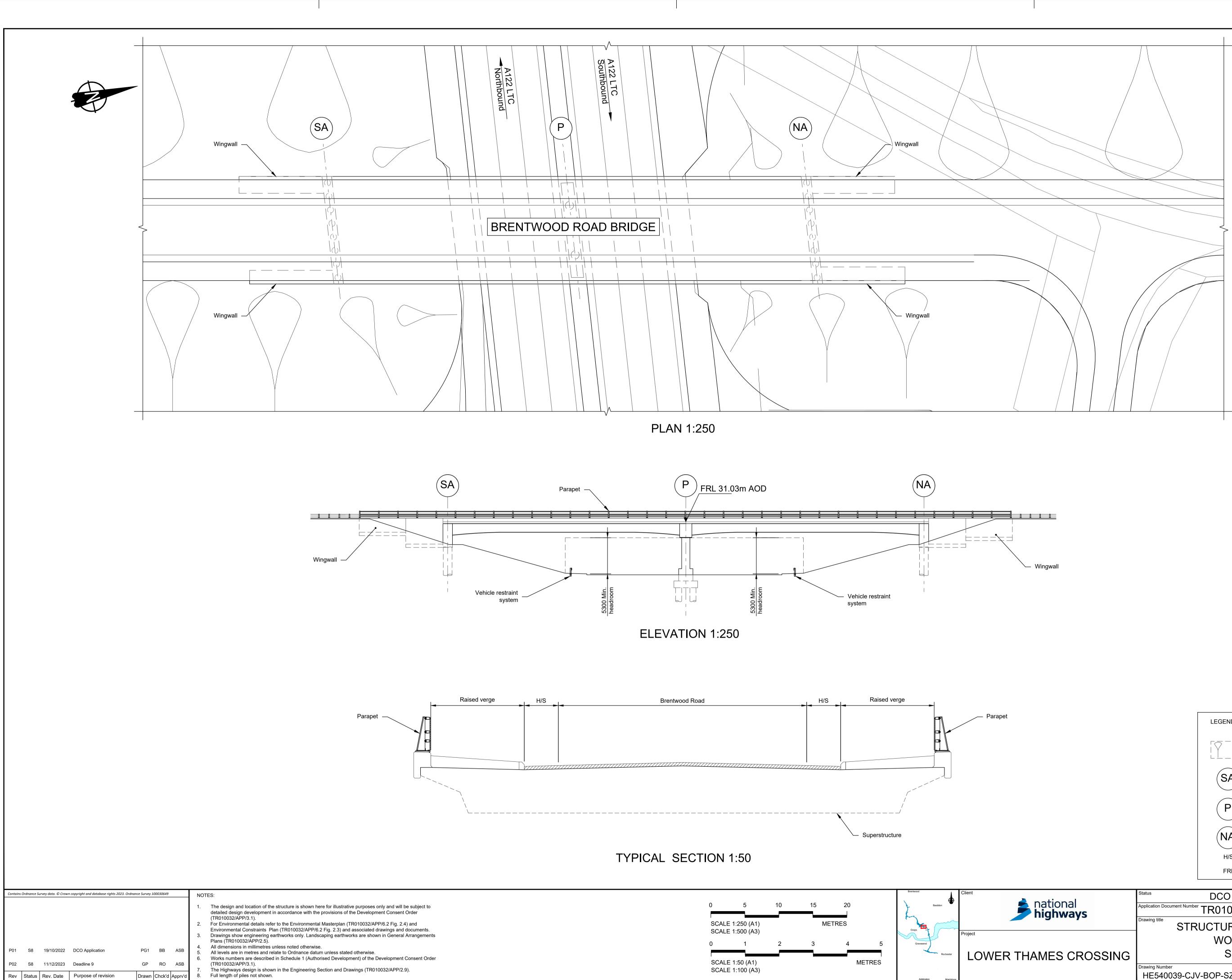
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(EA

— Wingwall

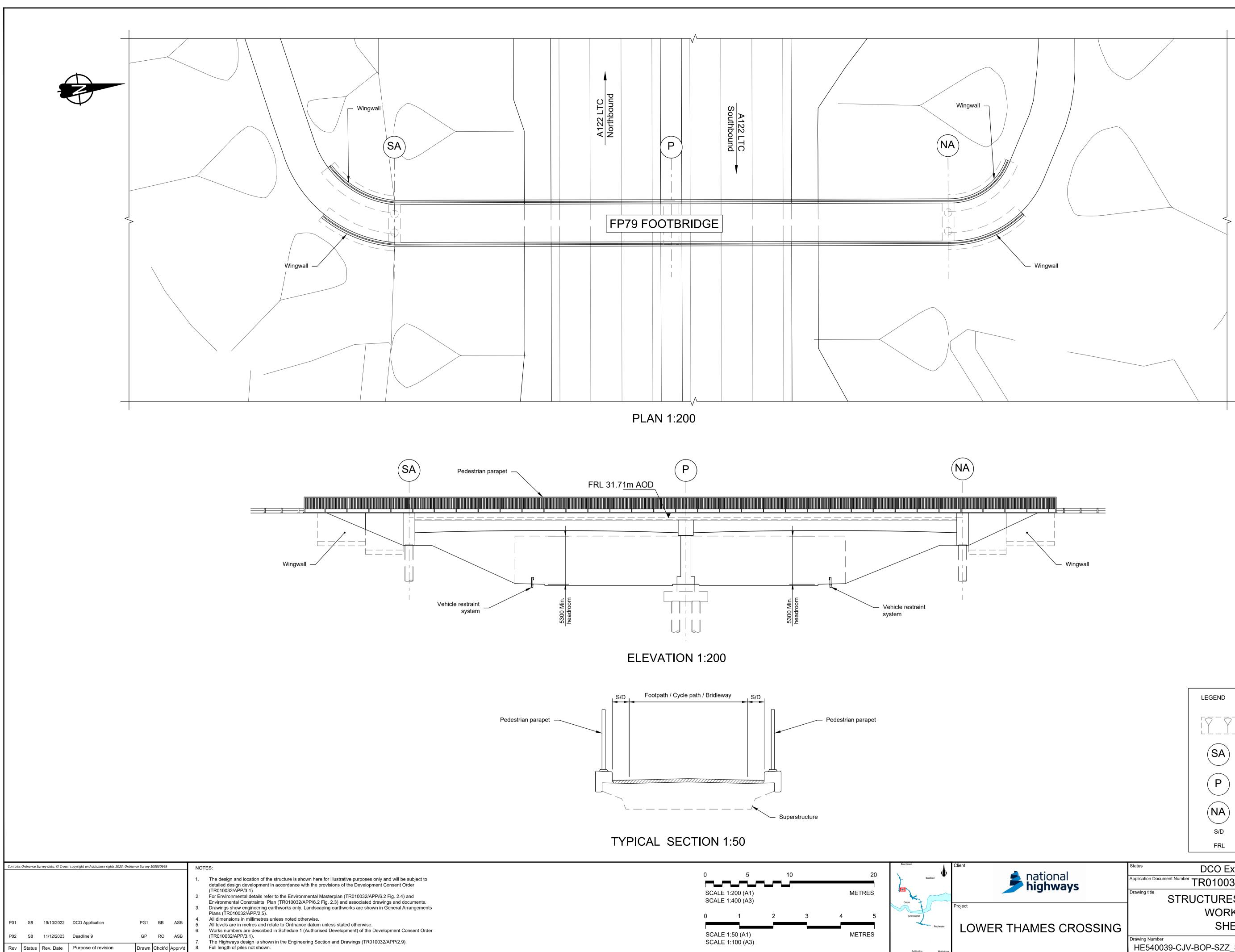


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ingwall	
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	LEGEND
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IES CROSSING	WORK NO. 6C SHEET 32
	HE540039-CJV-BOP-SZZ_ST00000DR-CB-10062



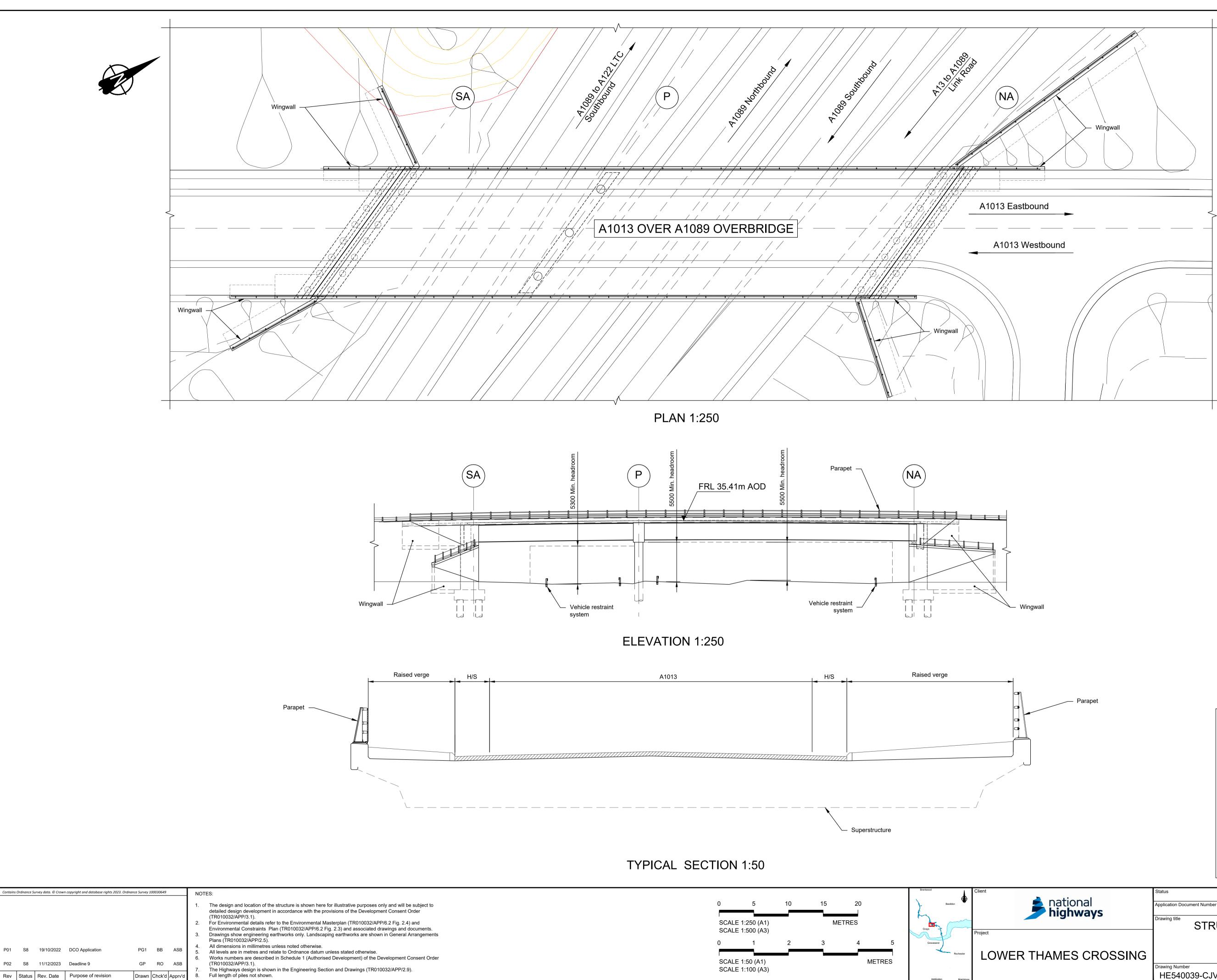
ational	Status DCO Examination	Original Size	Revision P02
national nighways	Application Document Number TR010032/APP/2.13	<u> </u>	SHOWN
	Drawing title STRUCTURES PLANS 5(2)(0)	
	WORK NO. 6D		
MES CROSSING	SHEET 33		
	Drawing Number		
	HE540039-CJV-BOP-SZZ_ST000000DR-0	CB-10063	3
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	LEGEND			
		EMBANKMENT/0	CUTTING	
	SA	SOUTH ABUTM	ENT	
	P	PIERS		
	NA	NORTH ABUTM	ENT	
	H/S	HARDSTRIP		
	FRL	FINISHED ROAD) LEVEL	
_			Original Size	Revisio



		FRL	FINISHED ROAD	LEVEL	
ational	Status	DCO Exa		Original Size	Revision P02
national highways	Application Document Number	TR010032	2/APP/2.13		SHOWN
	Drawing title	JCTURES	PLANS 5(2)(0)	
		WORK	NO. 7B		
MES CROSSING		SHE	ET 34		
	Drawing Number HE540039-CJV	-BOP-SZZ_S	5T000000DR-0	CB-10064	4
	•		HE540039-CJV-BOP-SZZ_S	T000000DR-CE	3-10064.dwg

EMBANKMENT/CUTTING SA SOUTH ABUTMENT PIERS NA NORTH ABUTMENT S/D SHY DISTANCE FRL FINISHED ROAD LEVEL	
SA SOUTH ABUTMENT P PIERS NA NORTH ABUTMENT	
SA SOUTH ABUTMENT P PIERS	
SA SOUTH ABUTMENT	1
LEGEND	



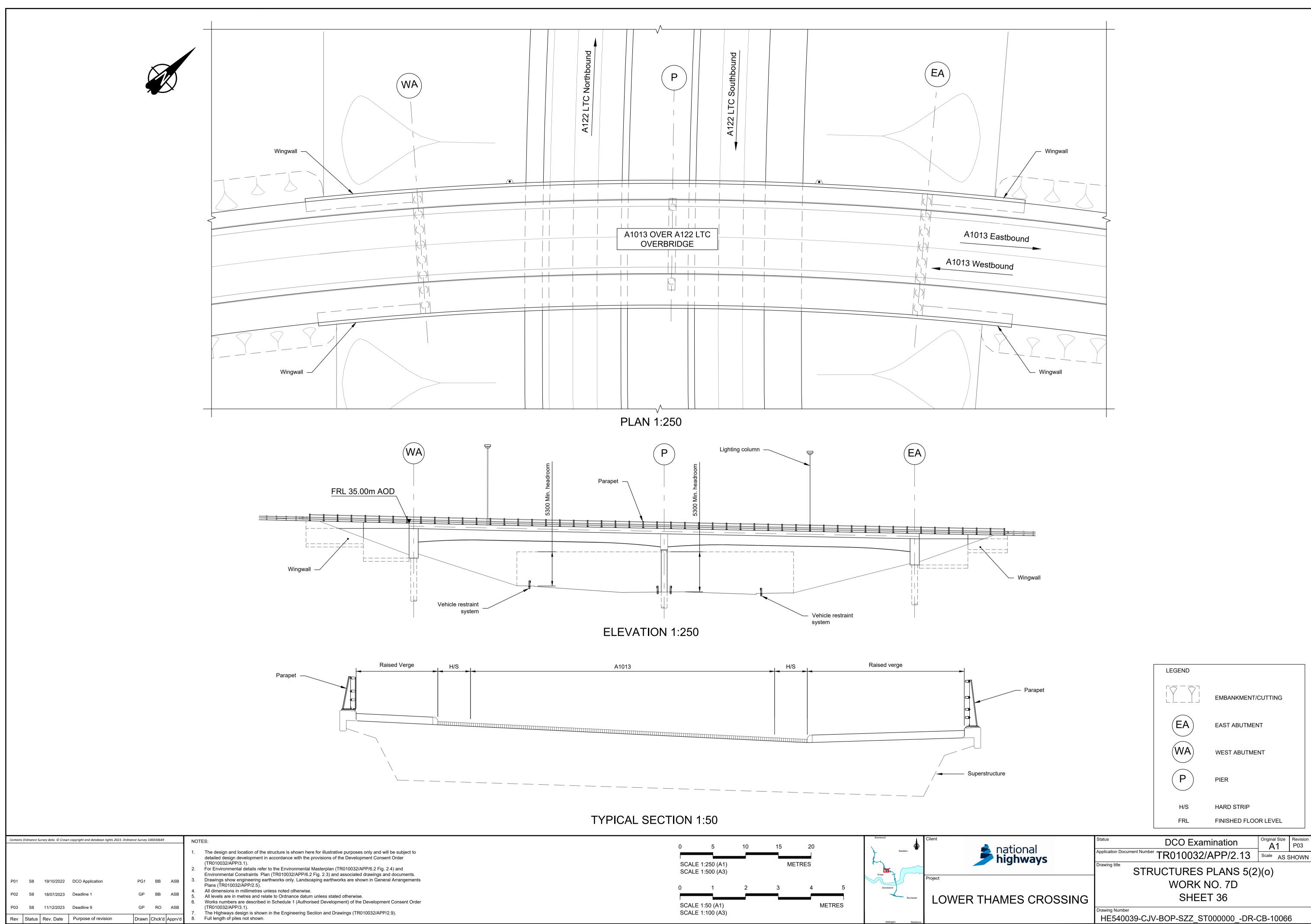
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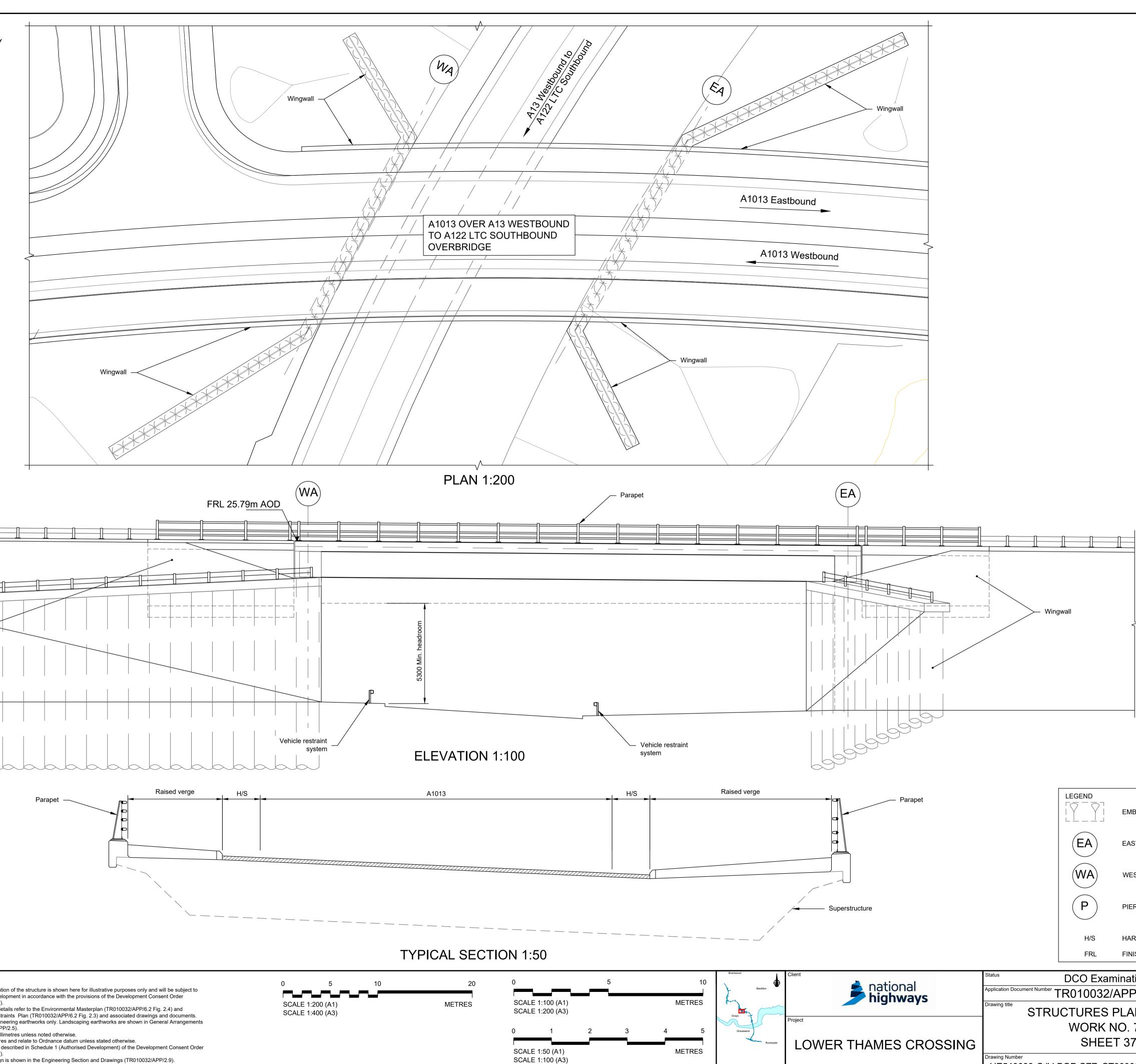
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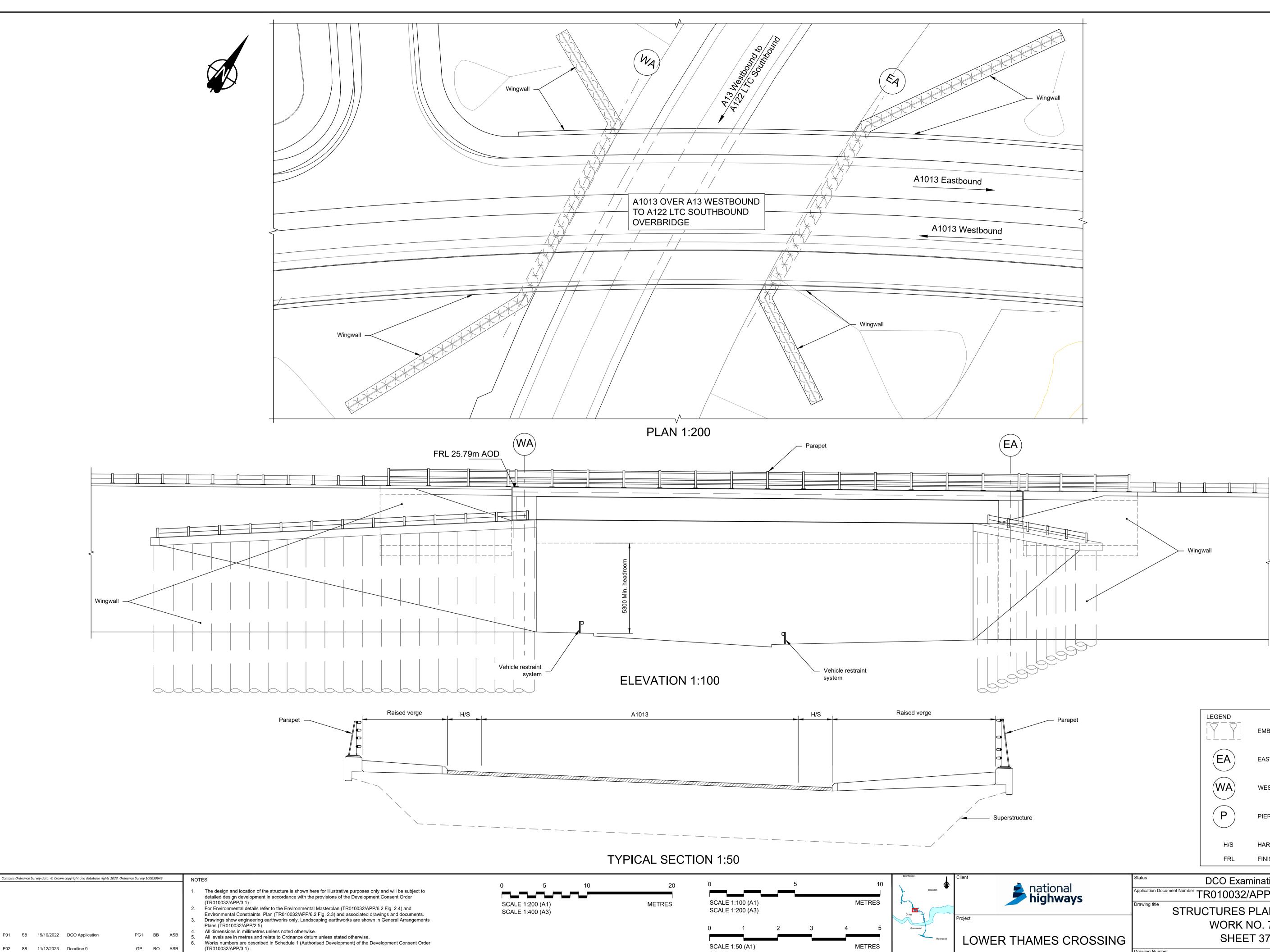
ational	Status	DCO Exam		Original Size	Revision P02
ational ighways	Application Document Number	TR010032/A	APP/2.13		SHOWN
.9	Drawing title	UCTURES F	PLANS 5(2)(0)	
		WORK N	O. 7D		
MES CROSSING		SHEET	⁻ 35		
	Drawing Number				

(SA)	SOUTH ABUTMENT
(SA)	SOUTH ABUTMENT
(SA)	SOUTH ABUTMENT
(P)	
	PIERS
	NORTH ABUTMENT
	EMBANKMENT/CUTTING
LEGEND	



			H/S	HARD STRIP						
			FRL	FINISHED FLOC	OR LEVEL					
tional		Status	DCO Exam		Original Size	Revision P03				
ional hways		Application Document Number	Scale AS S	SHOWN						
jiinays		Drawing title STRUCTURES PLANS 5(2)(0)								
			WORK N	0.7D						
ES CROSSING			SHEET	Г 36						
		Drawing Number HE540039-CJ\	/-BOP-SZZ_ST)00000DR-(CB-1006	6				
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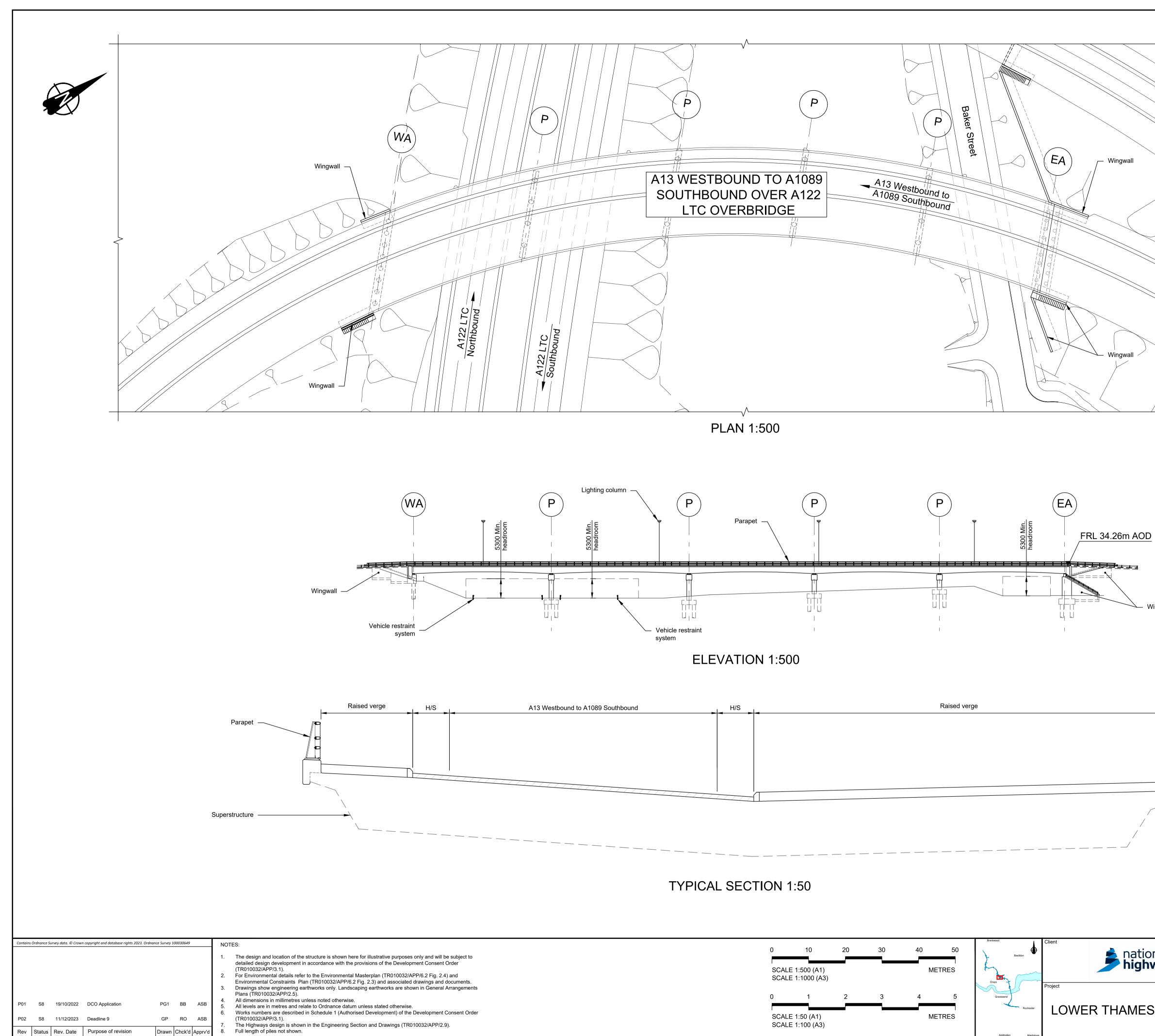




Drawn Chck'd Apprv'd Rev Status Rev. Date Purpose of revision

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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Parapet			EMBANKMENT/	CUTTING
		EA	EAST ABUTMEN	NT
		WA	WEST ABUTME	NT
		P	PIER	
		H/S FRL	HARD STRIP FINISHED ROAL	DLEVEL
	Status	DCO Exam	nination	Original Size Revision A1 P02
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ighways	Drawing title	ICTURES F		710 0110 1111
		WORK N		/ /
AES CROSSING		SHEE	-	
	Drawing Number HE540039-CJV-			CB-10067
	•		—	T000000DR-CB-10067.dw
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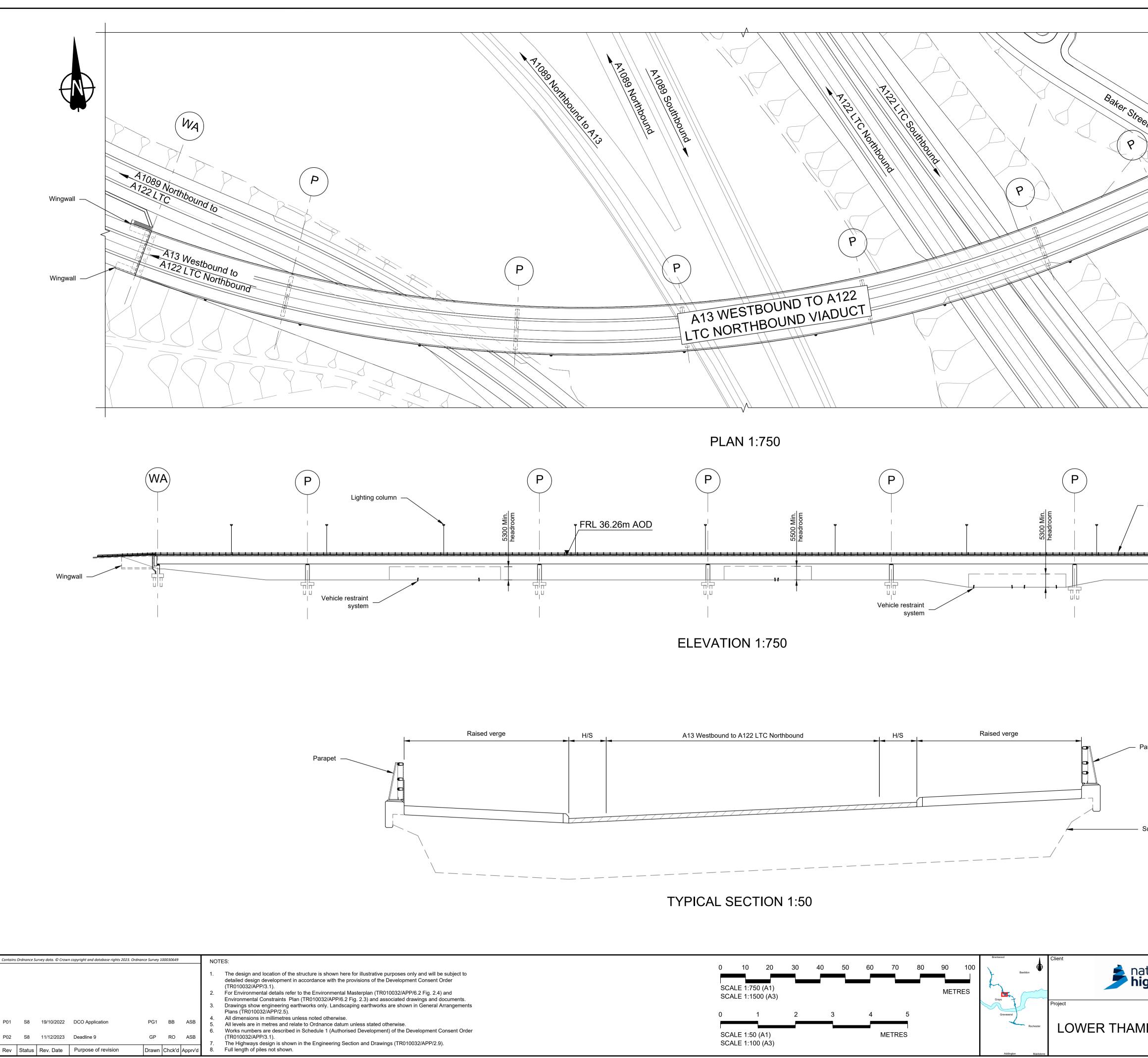


Vestbound to A1089 Southbound	H/S	Raised verge
-		
		$\left\{ \right\}$

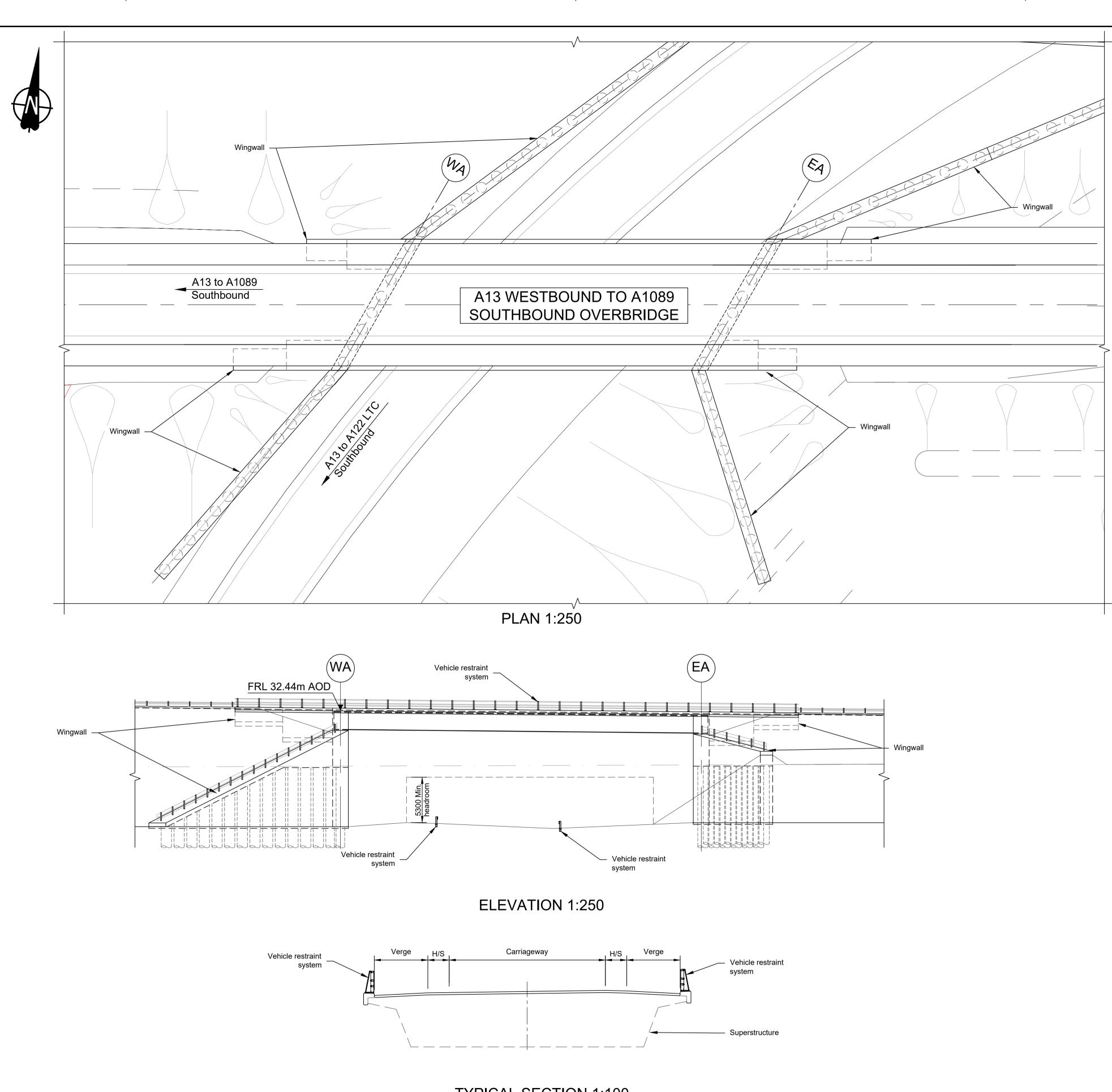
Client	Brentwood	50	40	30	20	10	0	
Project	Grays	METRES	Γ			ALE 1:500 (A [.] ALE 1:1000 (A		
	Gravesend	5	4	3	2	1	0	
LOWER THAM	Addington Maidstone	METRES	N			ALE 1:50 (A1) ALE 1:100 (A3		

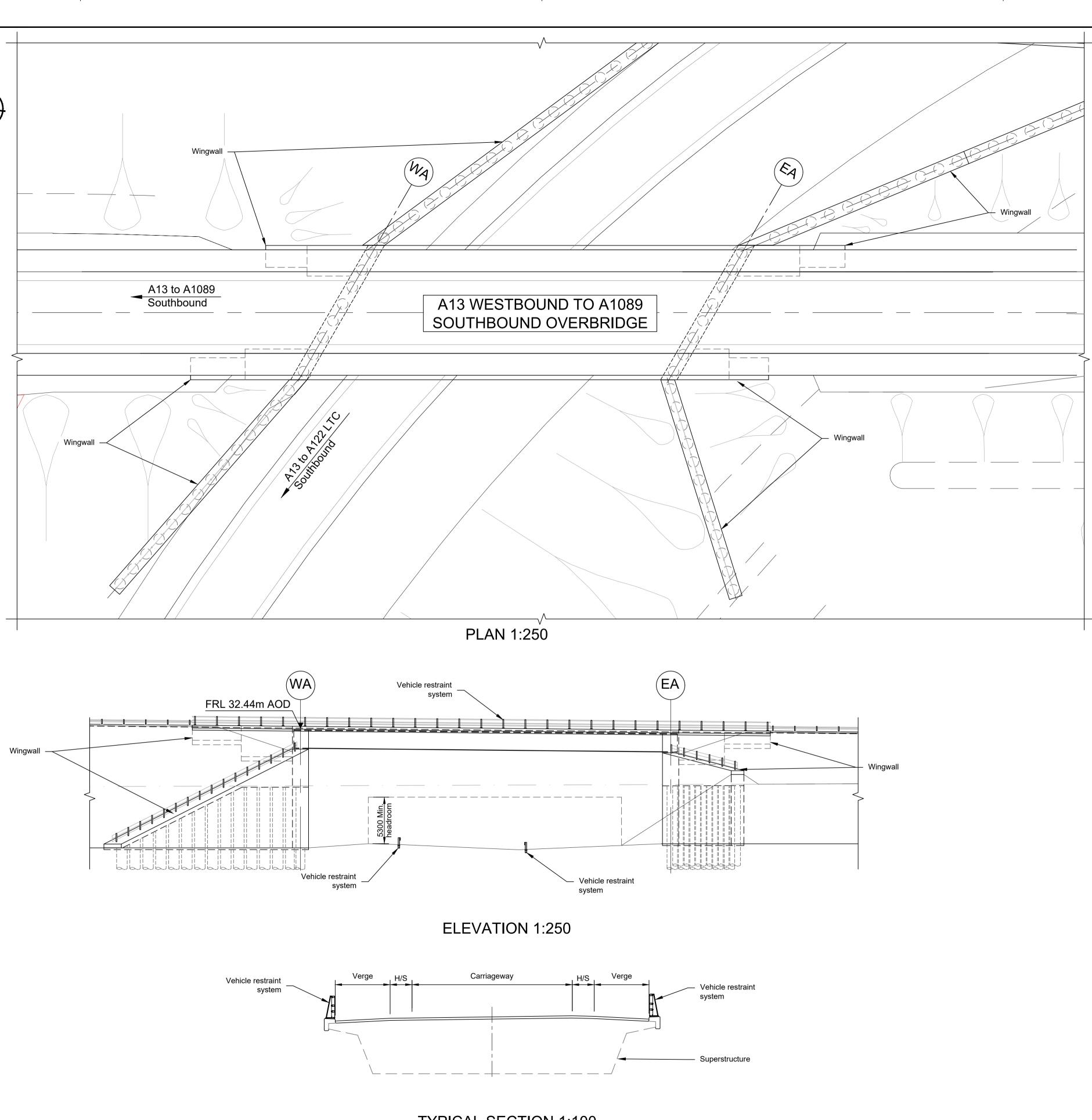
	Parapet				
			EMBANKMENT	CUTTING	
		WA	WEST ABUTME	INT	
		P	PIER		
		EA	EAST ABUTME	NT	
		H/S	HARD STRIP		
		FRL	FINISHED GRO	UND LEVEL	
national	Status Application Document Number	DCO Exam		A1 P0	
nighways	Drawing title	UCTURES P			WN
		WORK N	•		
MES CROSSING		SHEET	- 38		
	Drawing Number HE540039-CJV	/-BOP-SZZ_ST0)00000DR-(CB-10068	
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Wingwall



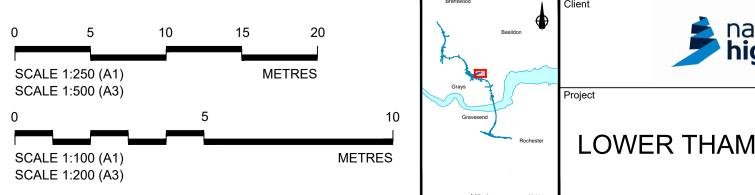
			Wingwall
(EA)		
treet			
			Wingwall
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	A13 Westbound to A1089		~ .
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			+
Perepet		EA	
Parapet	5300 Min. headroom		
			Wingwall
	T		
- Parapet		LEGEND	
			EMBANKMENT/CUTTING
			WEST ABUTMENT
– Superstructure			
			PIER
		EA	EAST ABUTMENT
		H/S	HARD STRIP
	Status	FRL	FINISHED ROAD LEVEL
national nighways	Application Document Number	DCO Exam TR010032//	
	Drawing title	UCTURES F WORK N	PLANS 5(2)(o) IO. 7E
MES CROSSING	Drawing Number	SHEET	
	Drawing Number HE540039-CJV		000000DR-CB-10069 540039-CJV-BOP-SZZ_ST000000DR-CB-10069.dwg





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							1.	The design and location of the structure is shown here for illustrative purposes only and will be subject to detailed design development in accordance with the provisions of the Development Consent Order (TR010032/APP/3.1).
							2.	For Environmental details refer to the Environmental Masterplan (TR010032/APP/6.2 Fig. 2.4) and
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB	3.	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).
P02	S8	18/07/2023	Deadline 1	GP	BB	ASB	4. 5.	All dimensions in millimetres unless noted otherwise. All levels are in metres and relate to Ordnance datum unless stated otherwise.
P03	S8	11/12/2023	Deadline 9	GP	RO	ASB	6. 7.	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).
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd	8.	Full length of piles not shown.

TYPICAL SECTION 1:100



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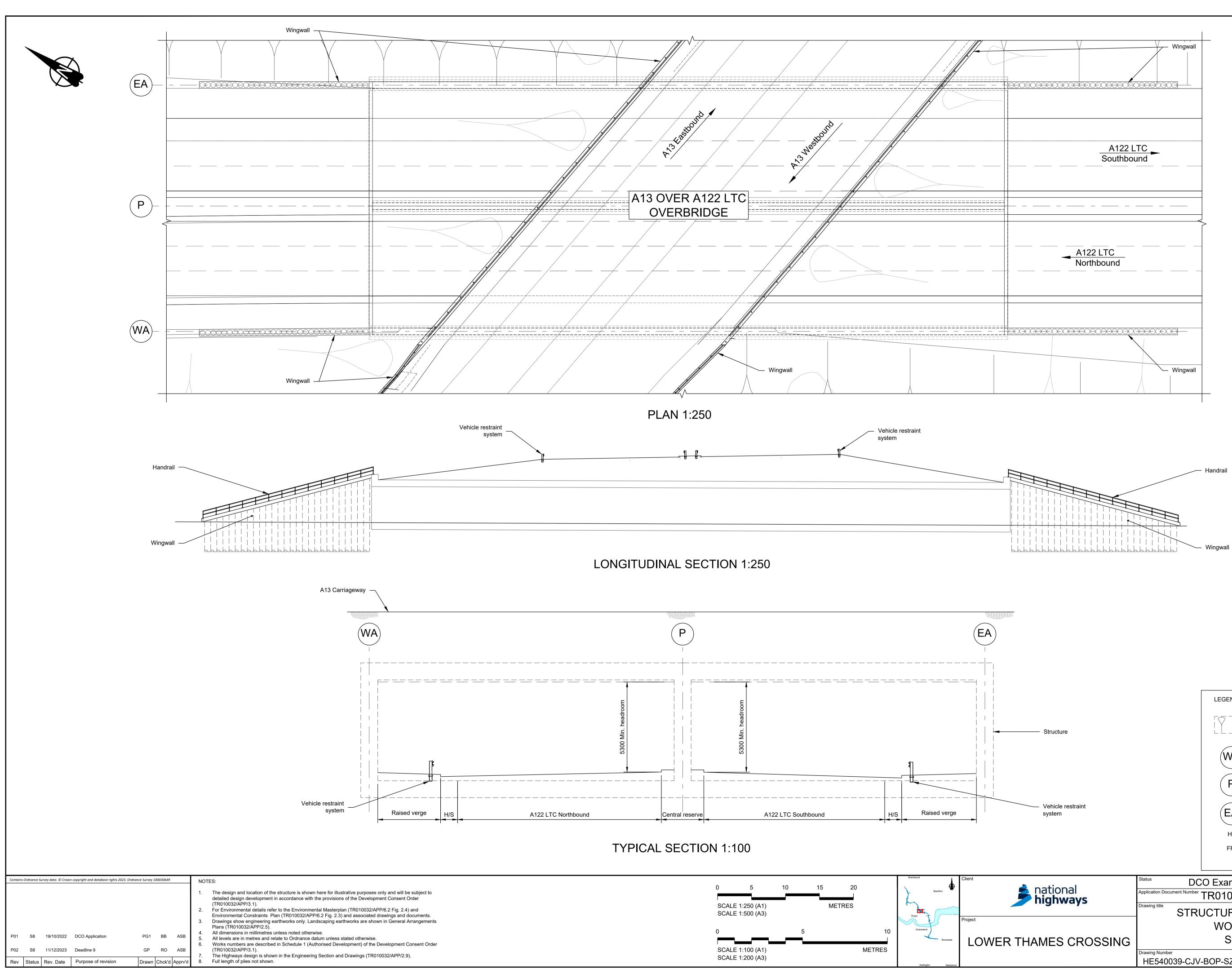
EMBANKMENT/CUTTING

WEST ABUTMENT

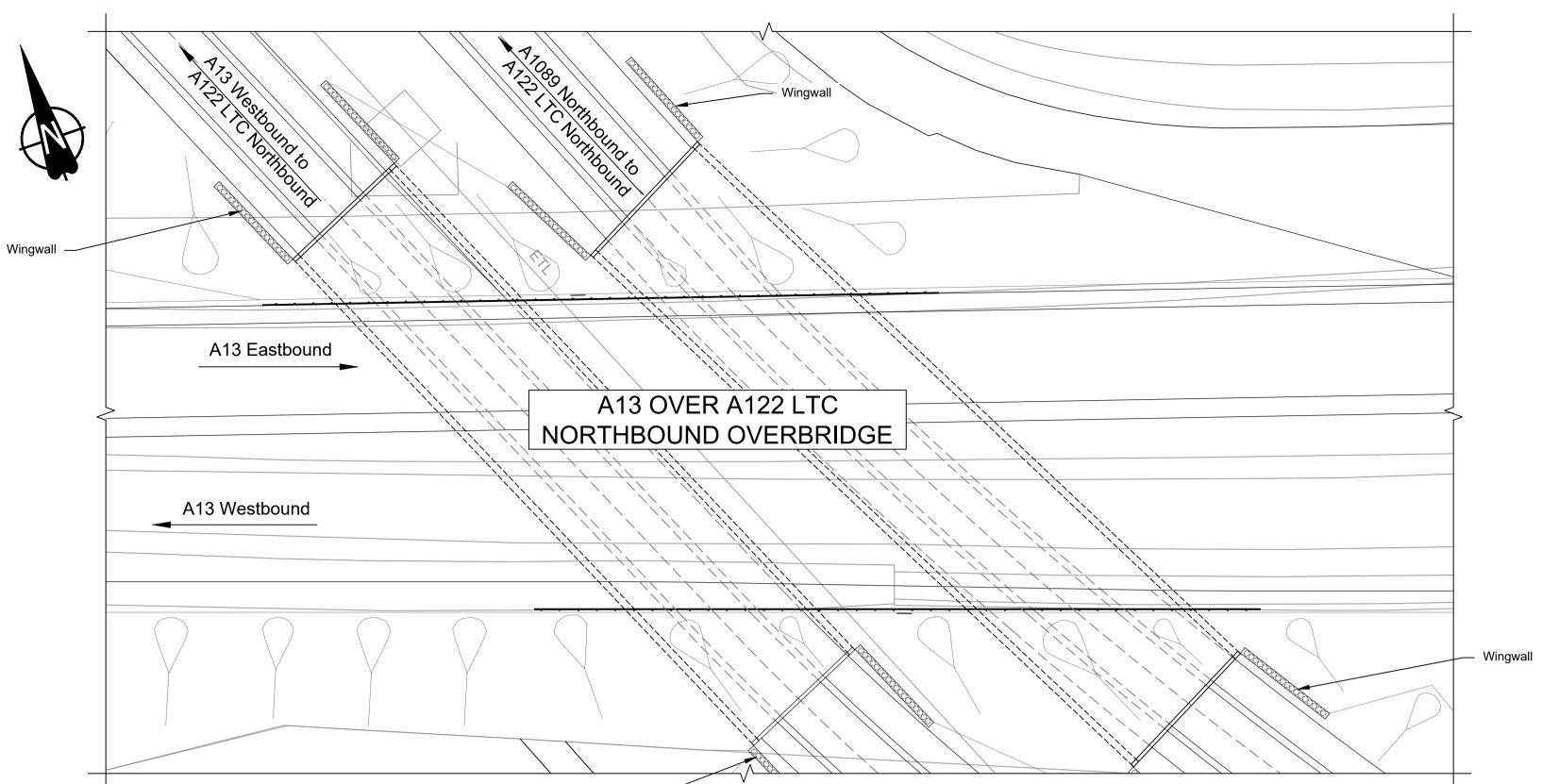
		EA	EAST ABUTMEN	т				
		H/S	HARDSTRIP					
		FRL	FINISHED ROAD	LEVEL				
ational	Status	DCO Exam		Original Size	Revision P03			
highways	Application Document Number	TR010032//	APP/2.13	Scale AS S	SHOWN			
	Drawing title STR	UCTURES F	PLANS 5(2)(0)				
	WORK NO. 7E							
MES CROSSING		SHEE	Т 40					
	Drawing Number HE540039-CJ\	/-BOP-SZZ_ST	000000DR-0	CB-1007	D			

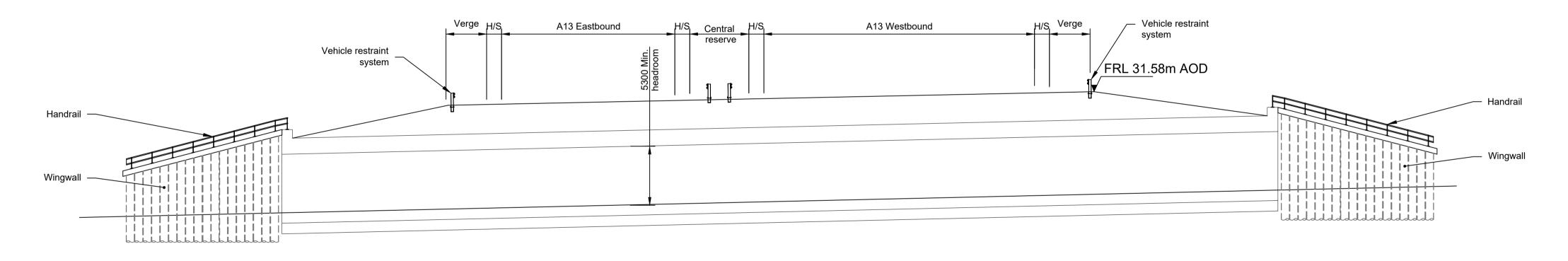
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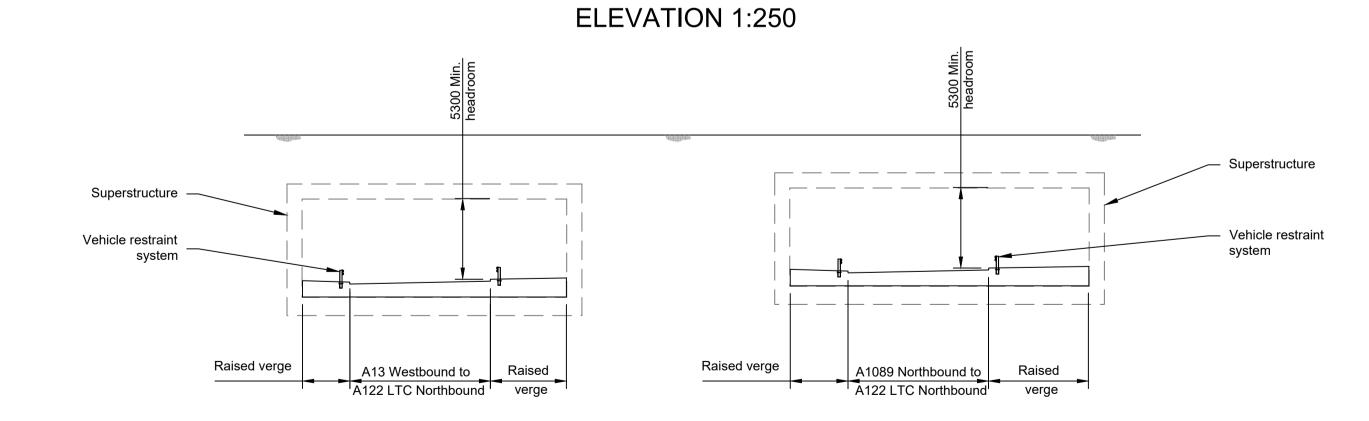
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		LEGEND					
- Structure			EMBANKMENT	/CUTTING			
		WA	WEST ABUTME	ENT			
		P	PIER				
 Vehicle restraint system 		EA	EAST ABUTME	NT			
		H/S	HARD STRIP				
		FRL	FINISHED ROA	D LEVEL			
actional		O Examinatio	n	Original Size	Revision P02		
national nighways	Application Document Number		SHOWN				
iginiays	Drawing title	JCTURES P	LANS 5(2)(0)			
		WORK NO	•				
MES CROSSING	SHEET 41						
	Drawing Number HE540039-CJV	-BOP-SZZ_ST0	00000DR-0	CB-1007	1		
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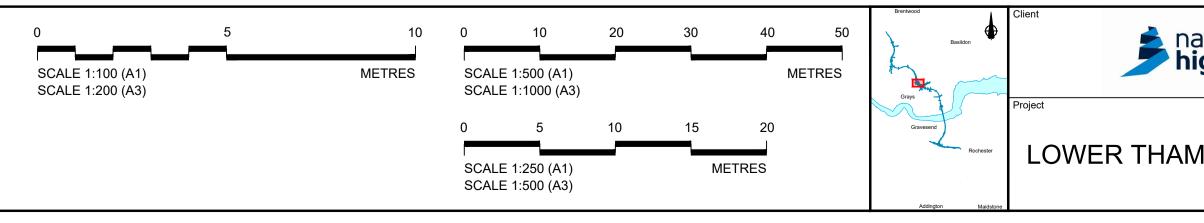


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P01	S8	19/10/2022	DCO Application	PG1	BB	ASB	1. 2. 3. 4. 5. 6.	The design and location of the structure is shown here for illustrative purposes only and will be subject to detailed design development in accordance with the provisions of the Development Consent Order (TR010032/APP/3.1). 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
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB	7.	(TR010032/APP/3.1). The Highways design is shown in the Engineering Section and Drawings (TR010032/APP/2.9).
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd	8.	Full length of piles not shown.

Wingwall

PLAN 1:500

TYPICAL SECTION 1:100



		FRL	FINISHED ROAD L	EVEL					
national	Status		amination	Original Size	Revision P02				
nighways	Application Document Nur	mber TR01003	2/APP/2.13	Scale AS S	SHOWN				
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	WORK NO. 7F								
MES CROSSING		SHE	ET 42						
	Drawing Number HE540039-C	JV-BOP-SZZ_	ST000000DR-(CB-10072	2				
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LEGEND

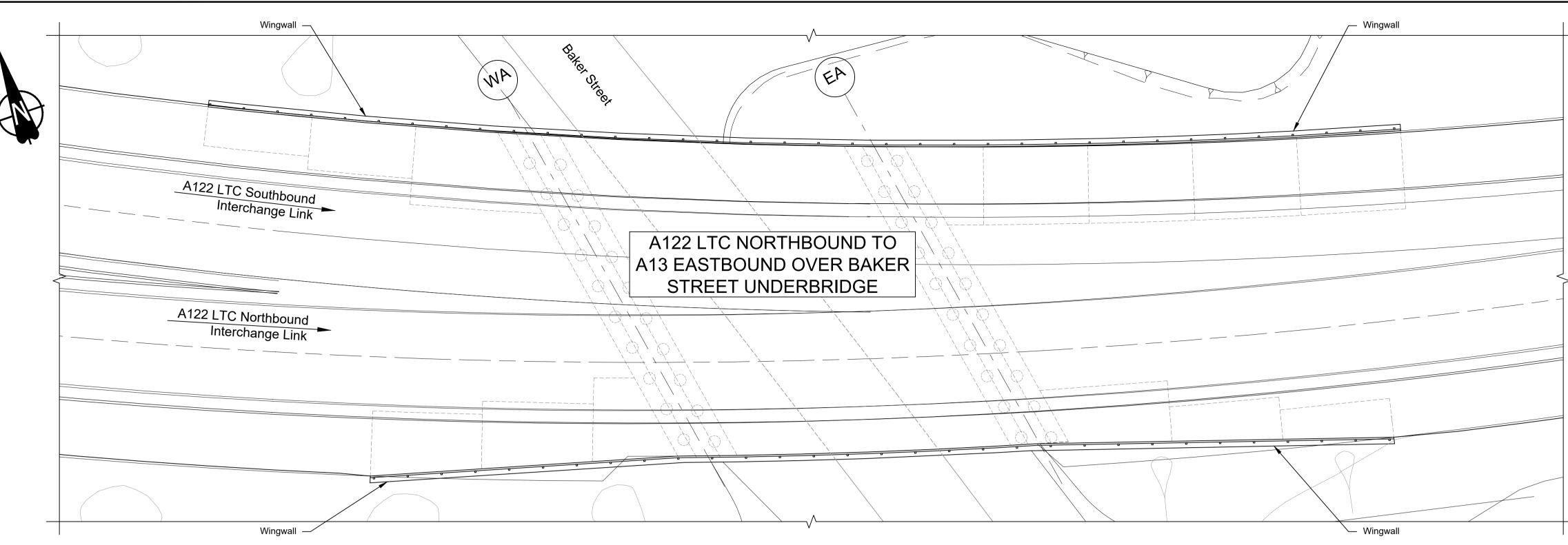
H/S

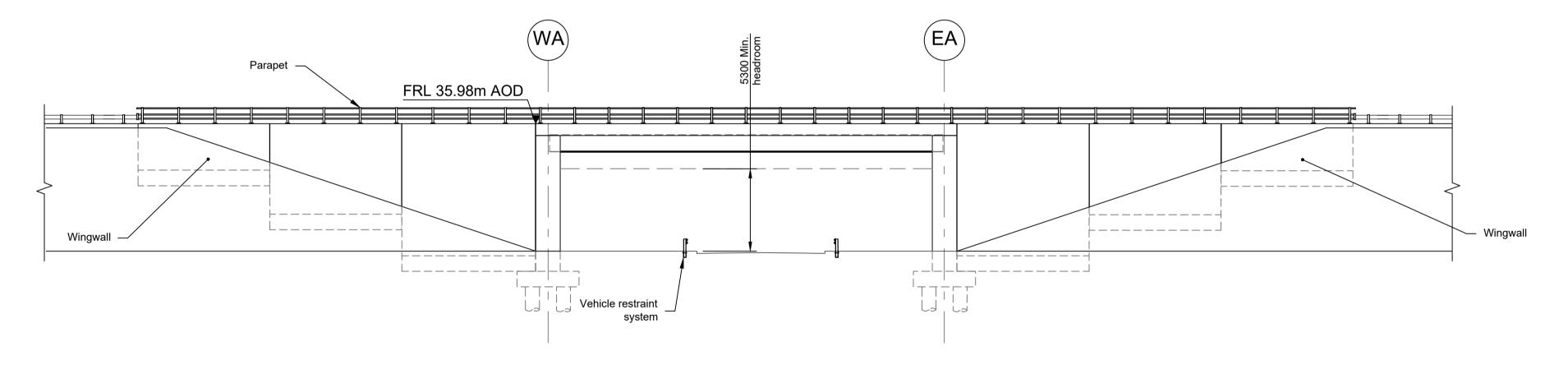
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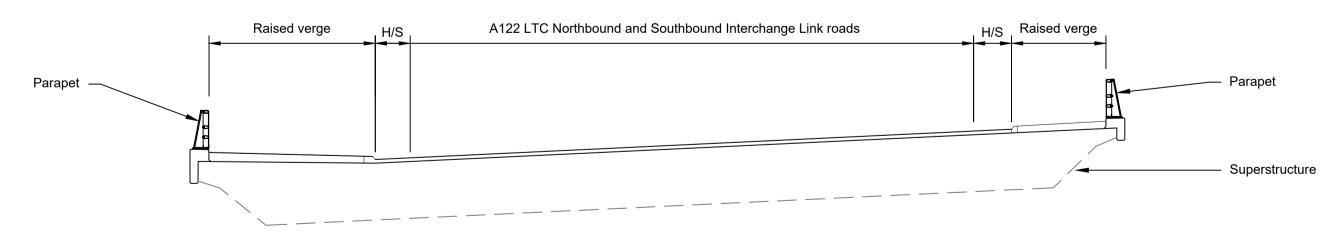
EMBANKMENT/CUTTING

HARD STRIP

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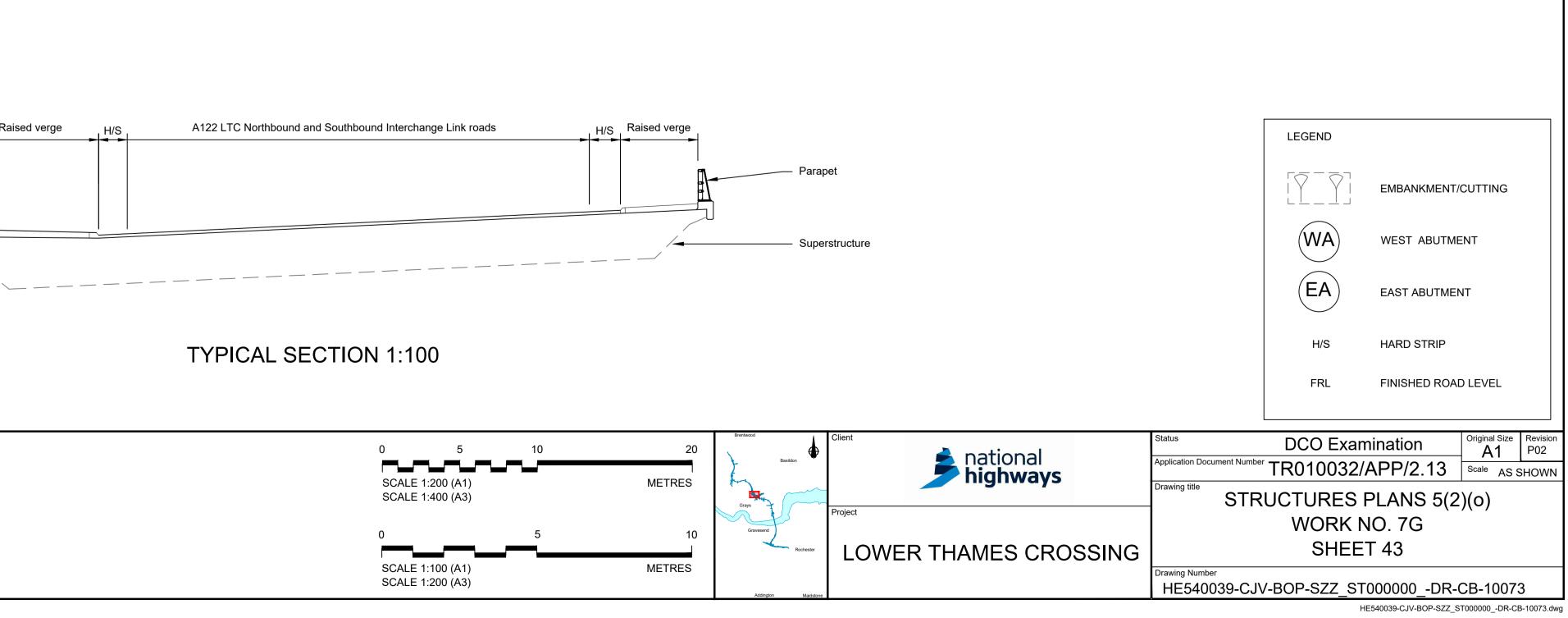


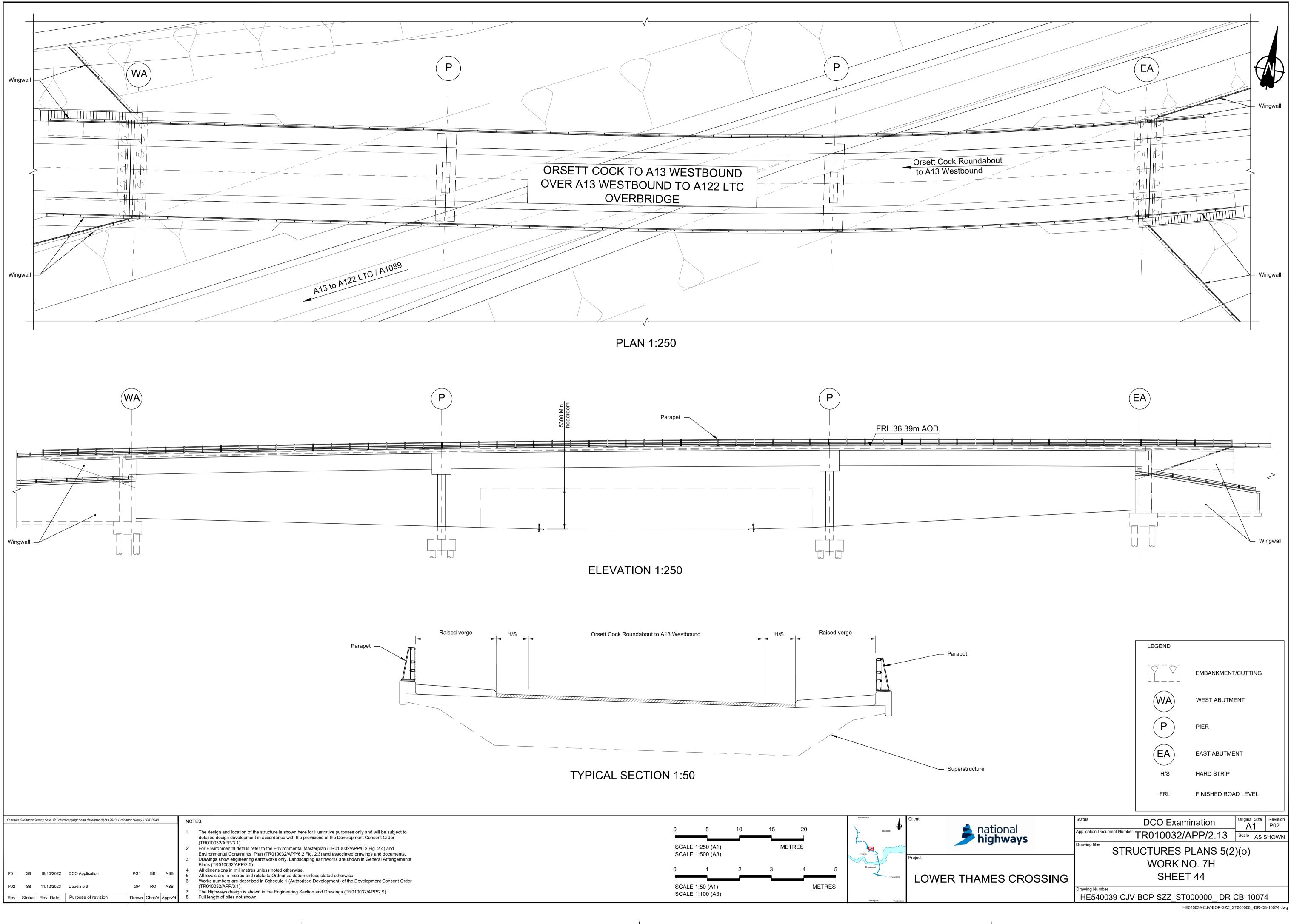


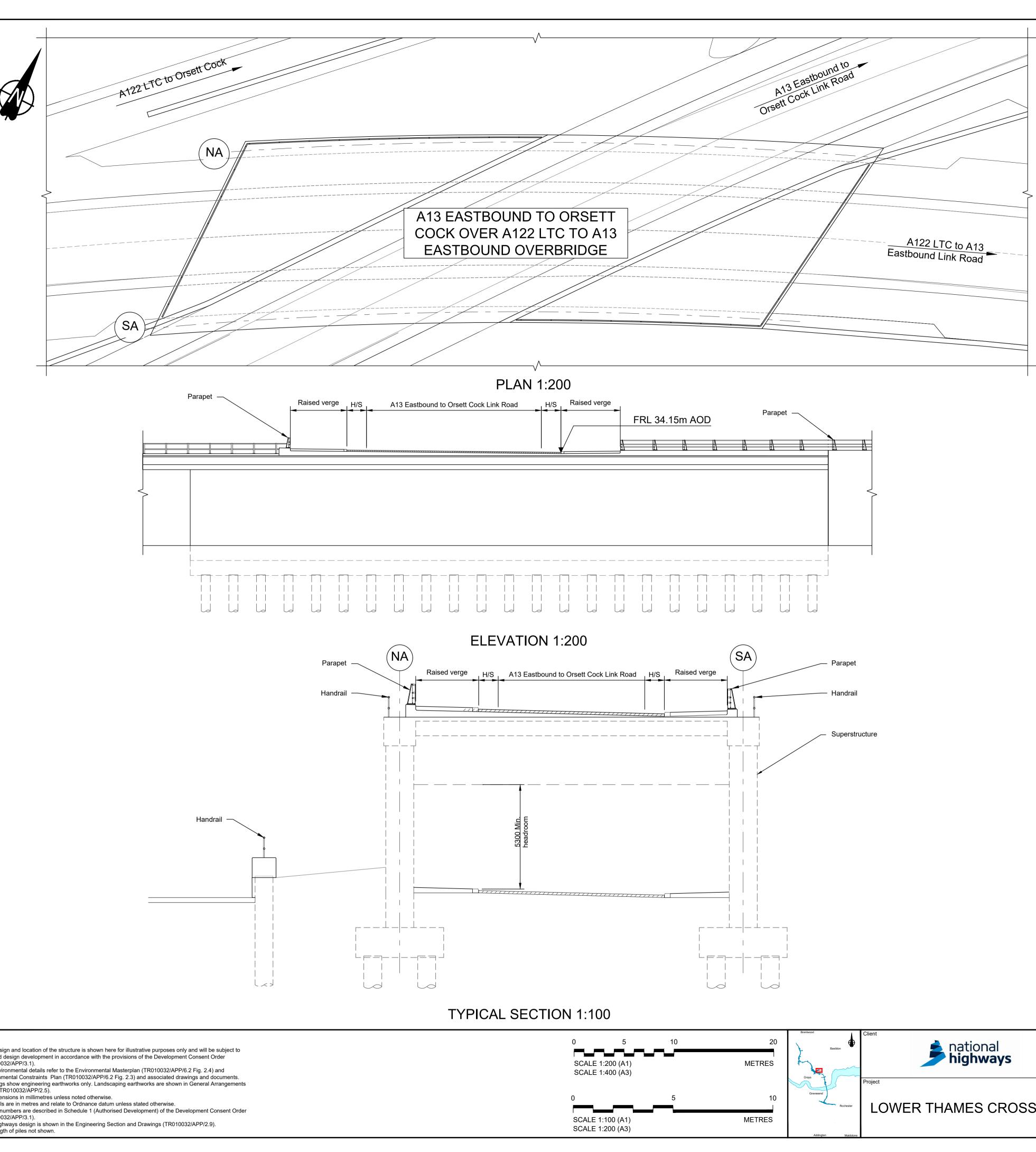
Contains Ordna	Contains Ordnance Survey data. © Crown copyright and database rights 2023. Ordnance Survey 100030649							NOTES:				
P01 Si P02 Si Rev Stat	58	19/10/2022 11/12/2023 Rev. Date	DCO Application Deadline 9 Purpose of revision	PG1 GP Drawn	BB RO Chck'd	ASB ASB Apprv'd	1. 2. 3. 4. 5. 6. 7. 8.	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). 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. Morks 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.				

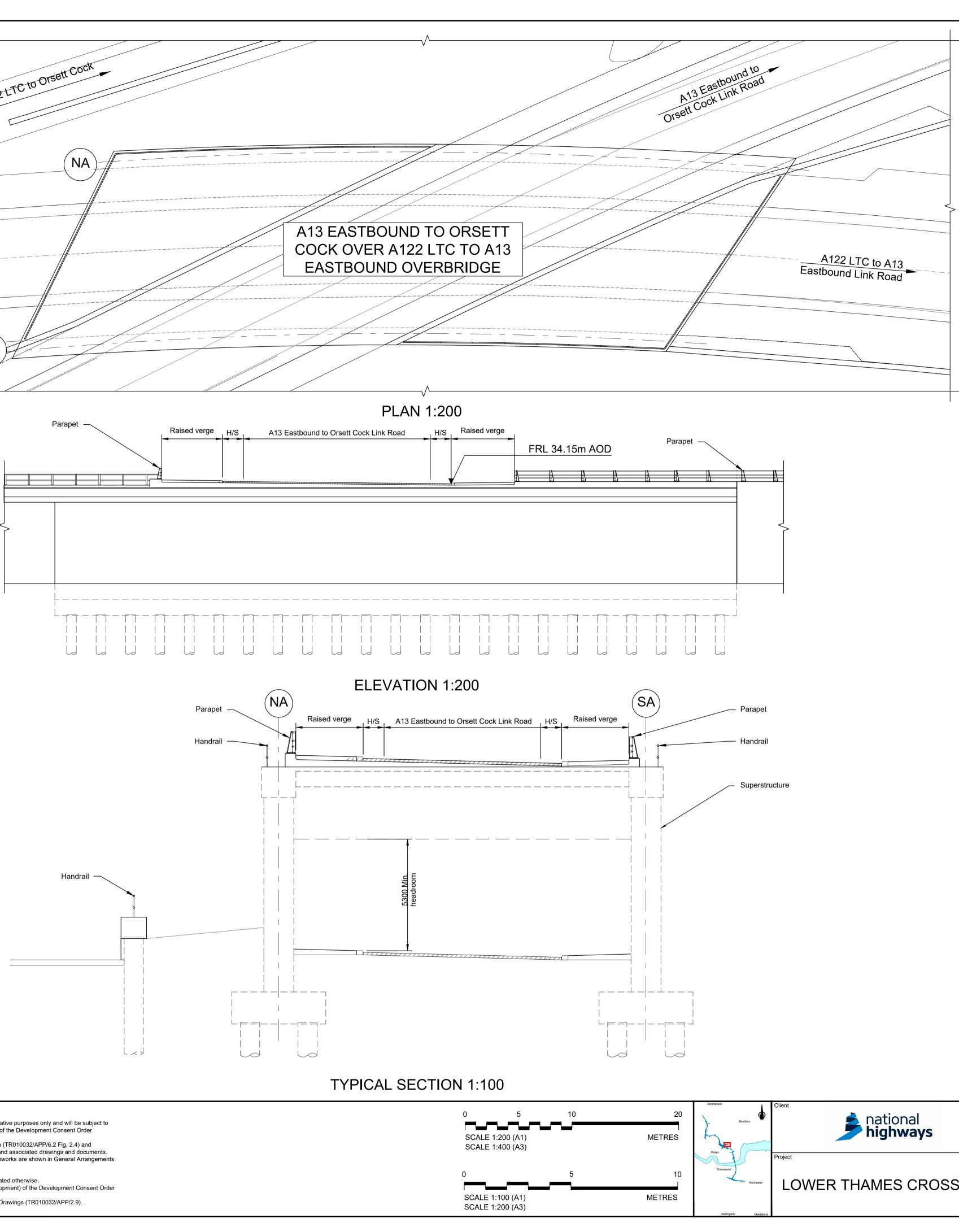
PLAN 1:200

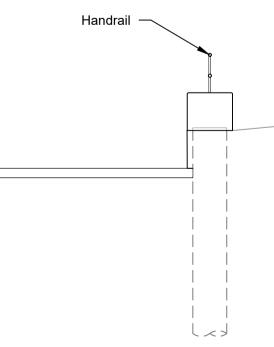
ELEVATION 1:200







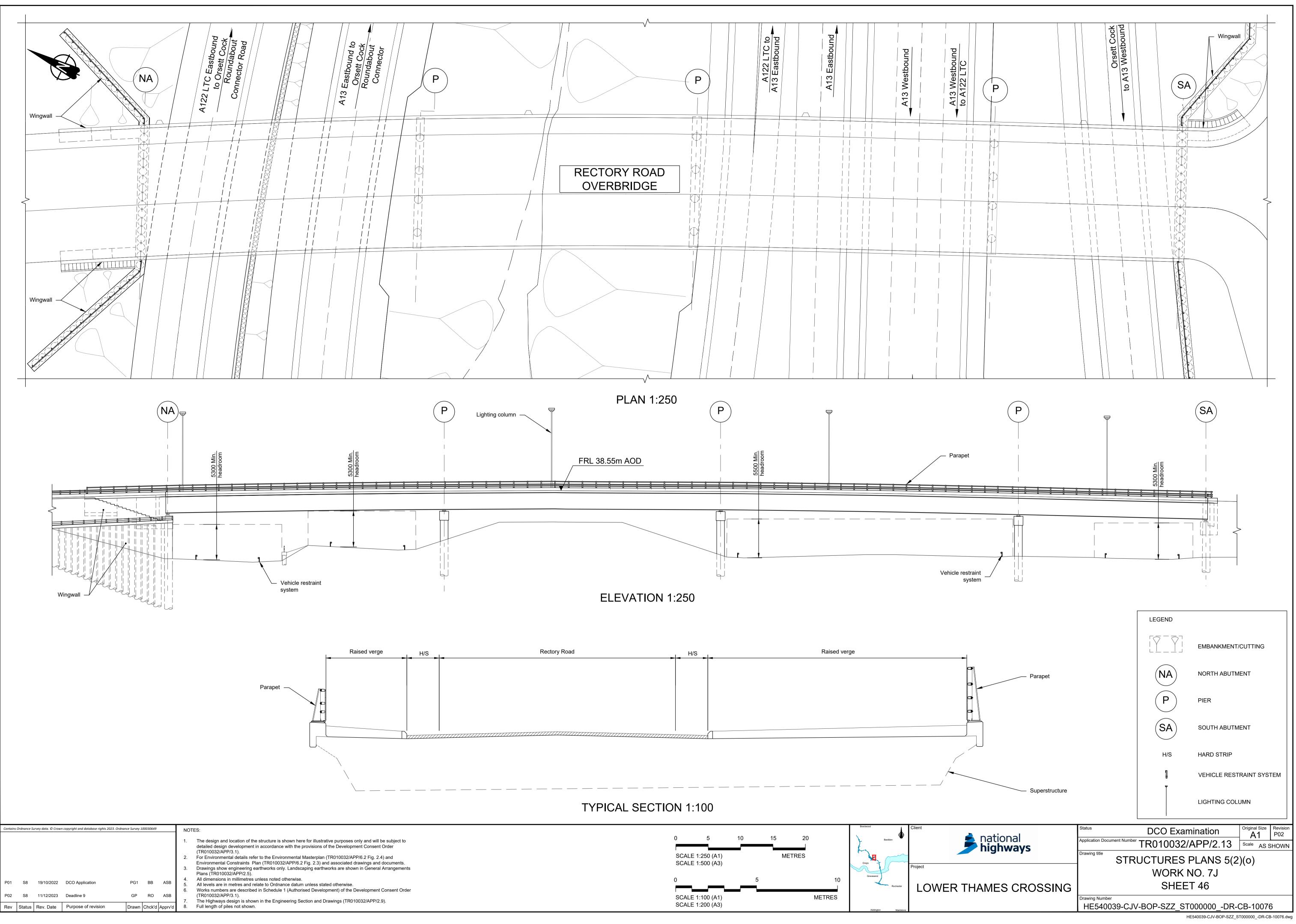


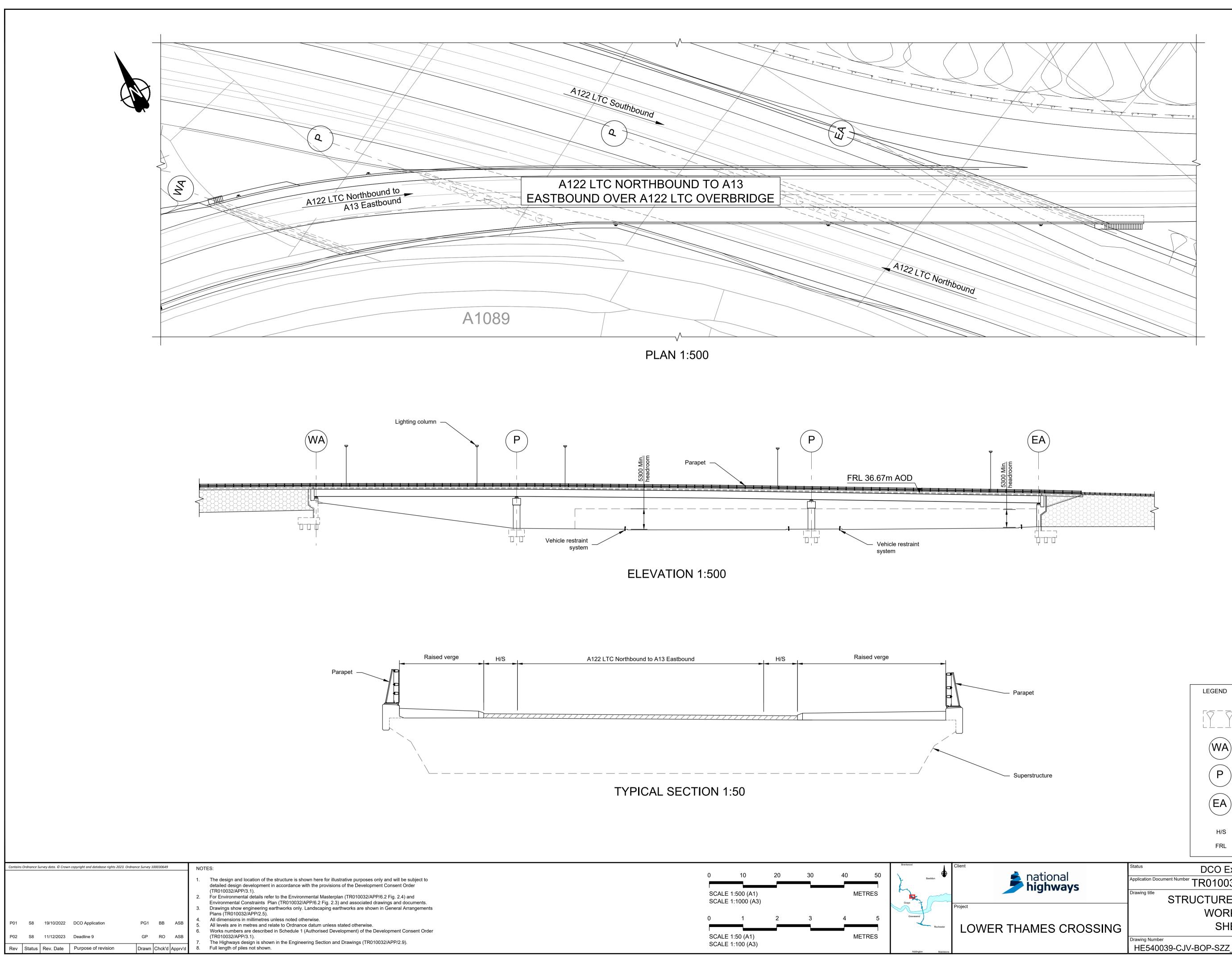


Contains	Contains Ordnance Survey data. © Crown copyright and database rights 2023. Ordnance Survey 100030649						NOTES:					
							 The design and location of the structure is shown here for illustrative purposes only and will be subject to detailed design development in accordance with the provisions of the Development Consent Order (TR010032/APP/3.1). 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). 					
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB	 All dimensions in millimetres unless noted otherwise. All levels are in metres and relate to Ordnance datum unless stated otherwise. 					
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB	 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). 					
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd	8. Full length of piles not shown.					

			EMBANKMENT	CUTTING					
		NA	NORTH ABUTM	ENT					
		SA	SOUTH ABUTM	ENT					
		H/S	HARD STRIP						
		FRL	FINISHED ROAD	DLEVEL					
ational	Status	DCO Exam	ination	Original Size	Revision P02				
ational ighways	Application Document Number	TR010032/4	APP/2.13		SHOWN				
· 5 ····· · / ·	Drawing title	UCTURES F	PLANS 5(2)(0)					
		WORK N	•	,,,,					
MES CROSSING	SHEET 45								
	Drawing Number HE540039-CJ\	/-BOP-SZZ_ST)00000DR-(CB-10075	5				
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LEGEND

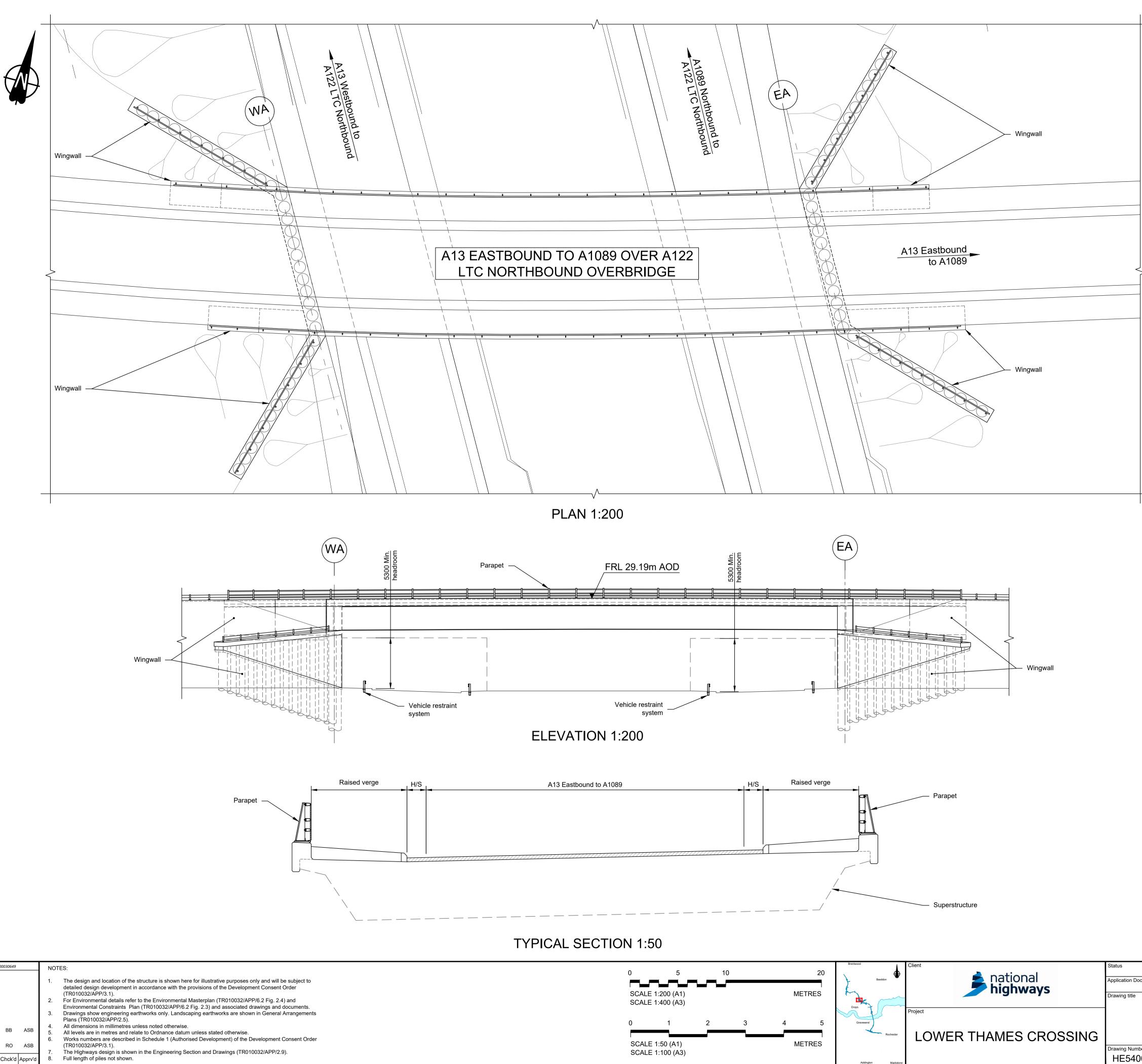


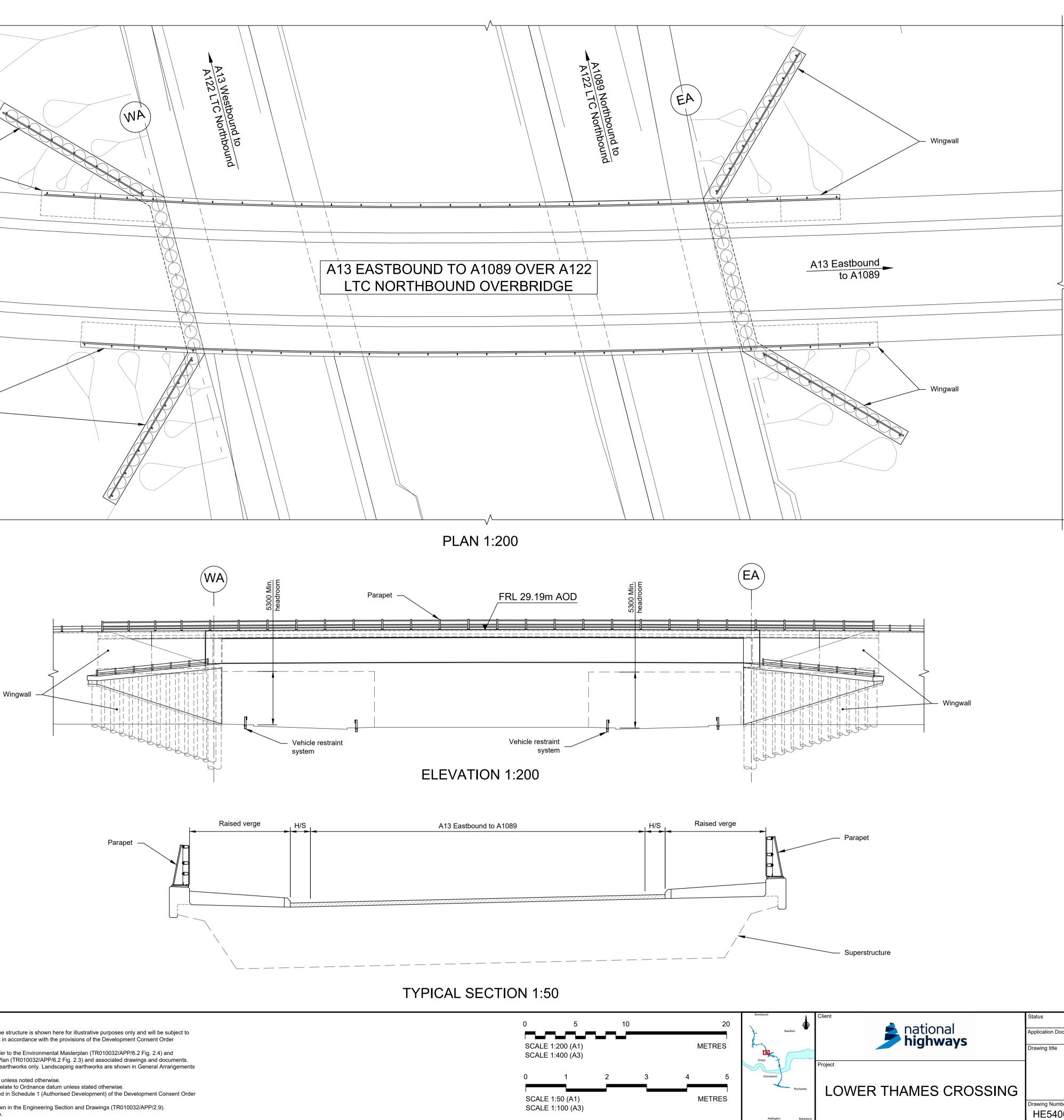


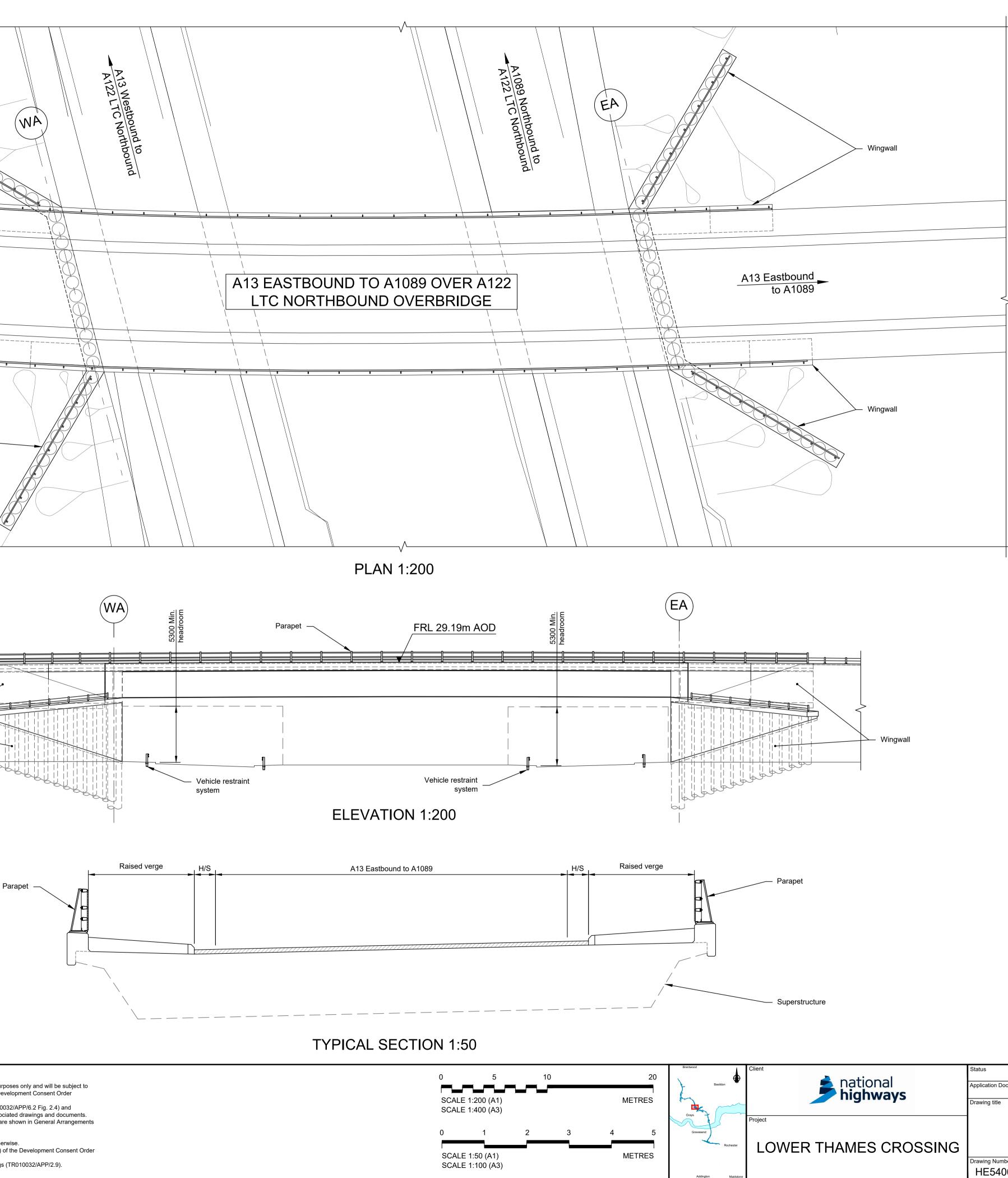
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		EA	EAST ABUTMEN	ΙT					
		H/S	HARD STRIP						
		FRL	FINISHED ROAD	D LEVEL					
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		WORK N	0. 7G						
MES CROSSING	SHEET 47								
	Drawing Number HE540039-CJV	-BOP-SZZ_ST0	00000DR-0	CB-10077	7				
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(WA)

EMBANKMENT/CUTTING



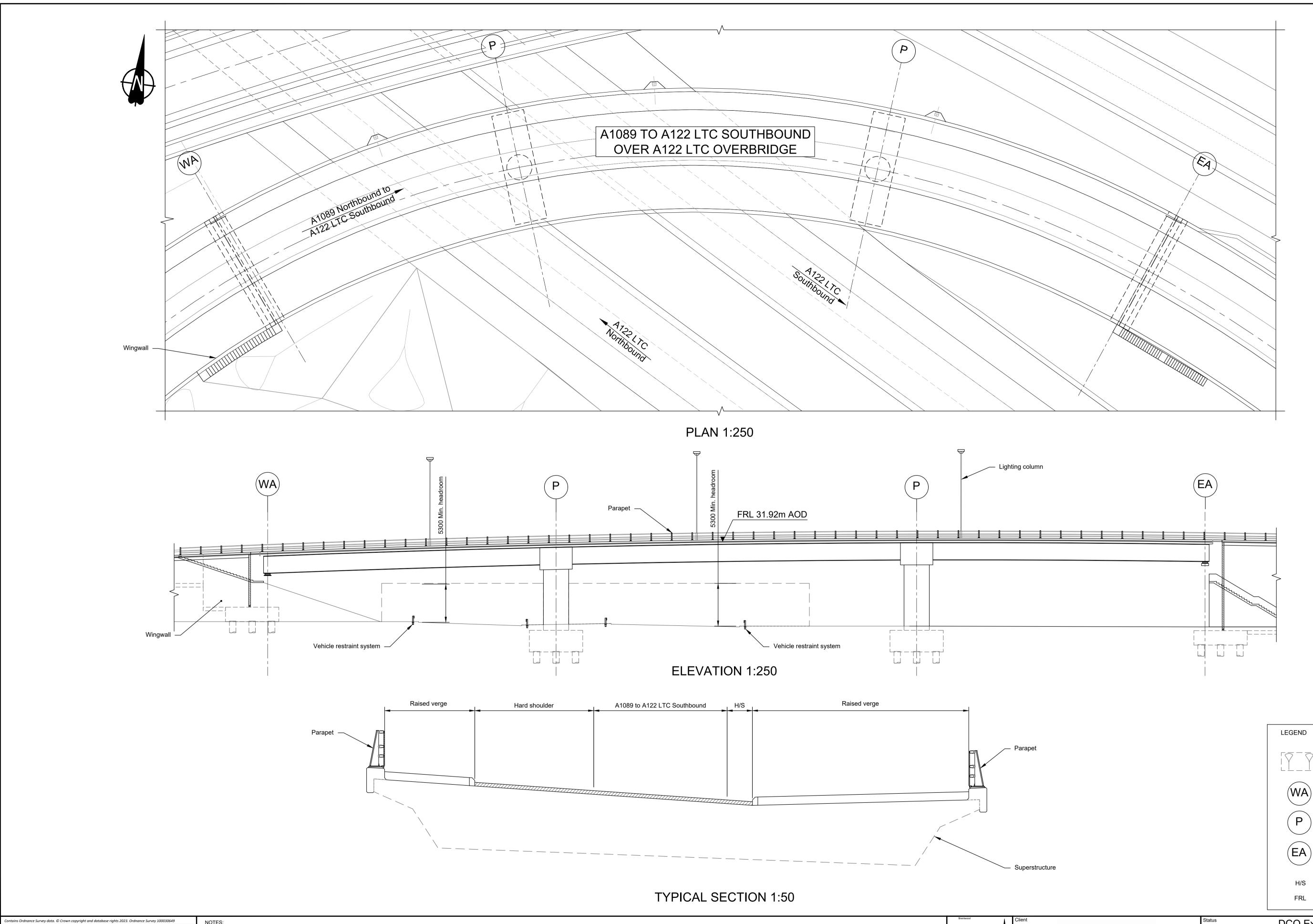




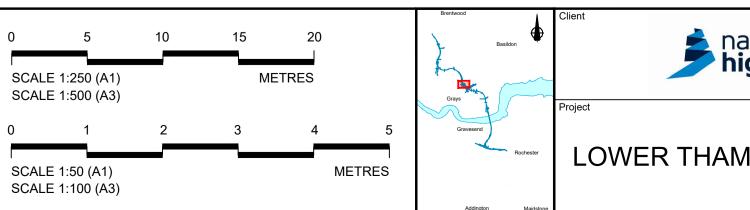
Contains	ontains Ordnance Survey data. © Crown copyright and database rights 2023. Ordnance Survey 100030649							TES:
P01	S 8	19/10/2022	DCO Application	PG1	BB	ASB	1. 2. 3. 4.	The design and location of the structure is shown here for illustrative purposes only and will be subject to detailed design development in accordance with the provisions of the Development Consent Order (TR010032/APP/3.1). 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.
							5. 6.	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
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB	7.	(TR010032/APP/3.1). The Highways design is shown in the Engineering Section and Drawings (TR010032/APP/2.9).
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd	8.	Full length of piles not shown.

ional	Status	DCO Examination	Original Size	Revision P02				
tional I hways	Application Document Number	TR010032/APP/2.13		SHOWN				
,	Drawing title STR	UCTURES PLANS 5(2)(0)					
		WORK NO. 7N						
ES CROSSING	SHEET 48							
	Drawing Number HE540039-CJV	/-BOP-SZZ_ST000000DR-0	CB-1007	8				
		HE540039-CJV-BOP-SZZ_S	T000000DR-CI	B-10078.dwg				

		LEGEND			
			EMBANKMENT/	CUTTING	
		WA	WEST ABUTME	NT	
		EA	EAST ABUTMEN	١T	
		H/S	HARD STRIP		
		FRL	FINISHED ROAL) LEVEL	
nal	Status	DCO Exan		Original Size	Revision P02
vays		^{t Number} TR010032/	APP/2.13	Scale AS S	SHOWN
	Drawing title				

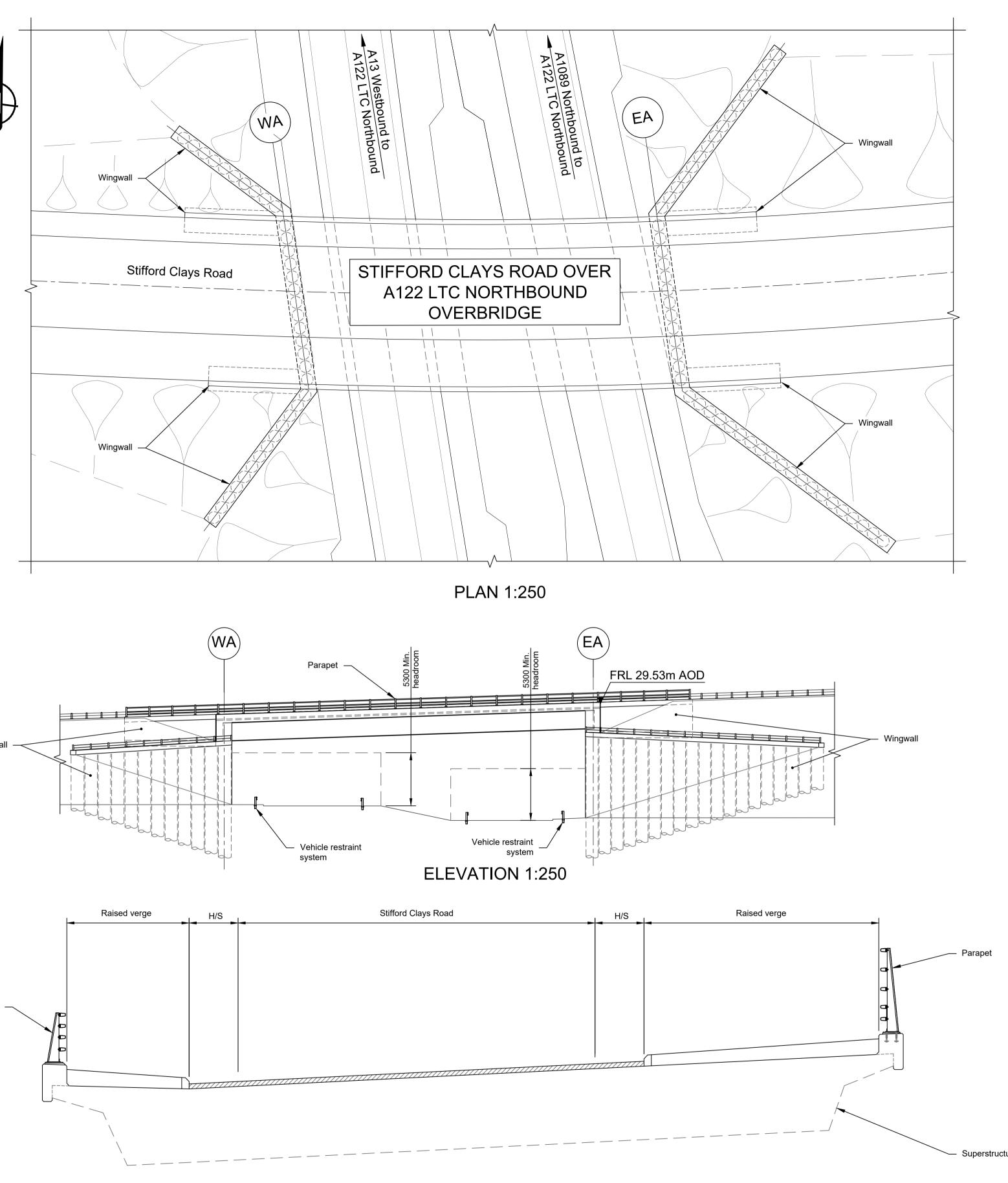


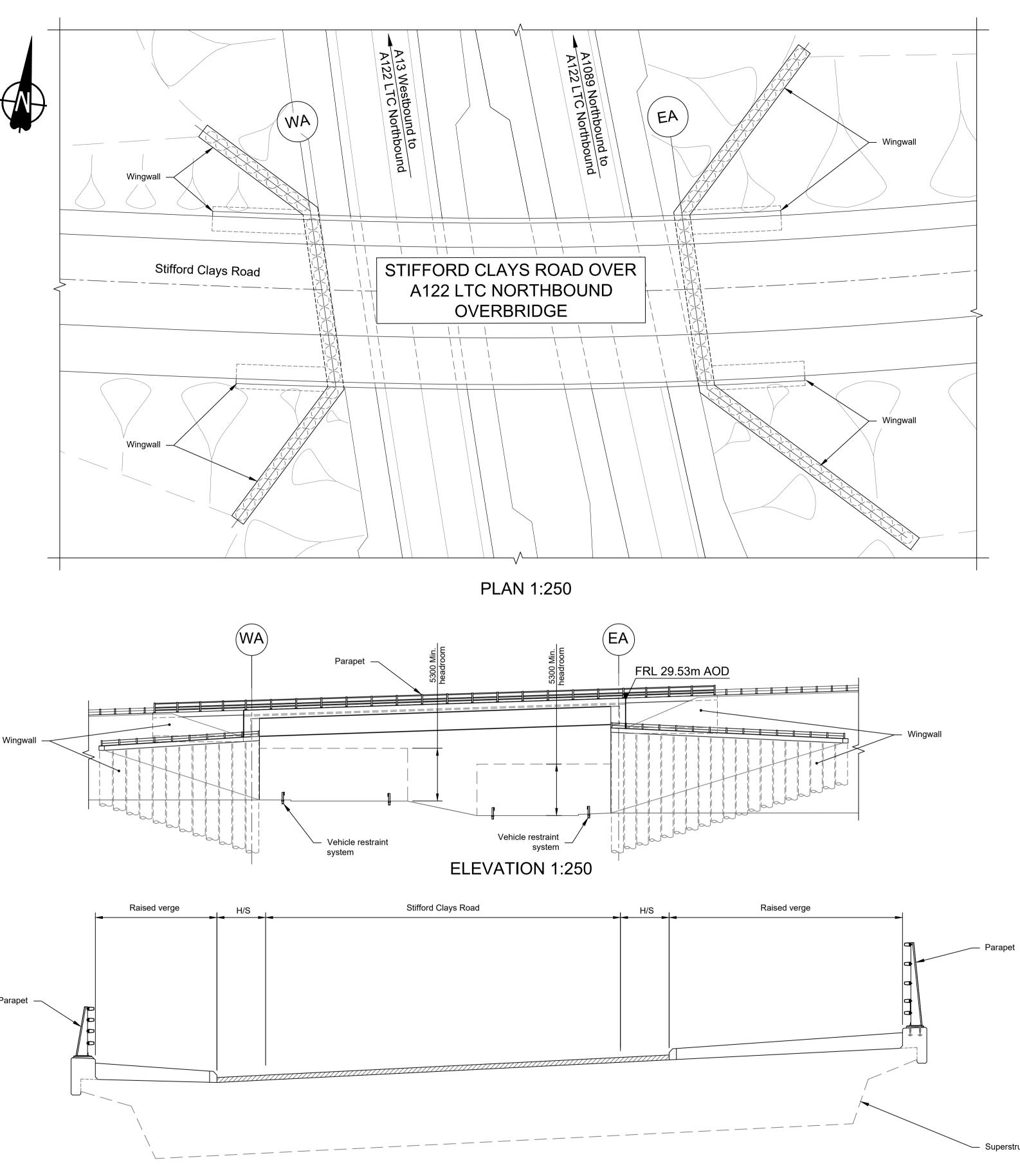
Contains	Contains Ordnance Survey data. © Crown copyright and database rights 2023. Ordnance Survey 100030649							NOTES:				
501	C 9	40/40/0022	DCO Application	PC4	PP		1. 2. 3. 4.	The design and location of the structure is shown here for illustrative purposes only and will be subject to detailed design development in accordance with the provisions of the Development Consent Order (TR010032/APP/3.1). 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.				
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB	5.	All levels are in metres and relate to Ordnance datum unless stated otherwise.				
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB	6. 7.	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).				
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd	8.	Full length of piles not shown.				

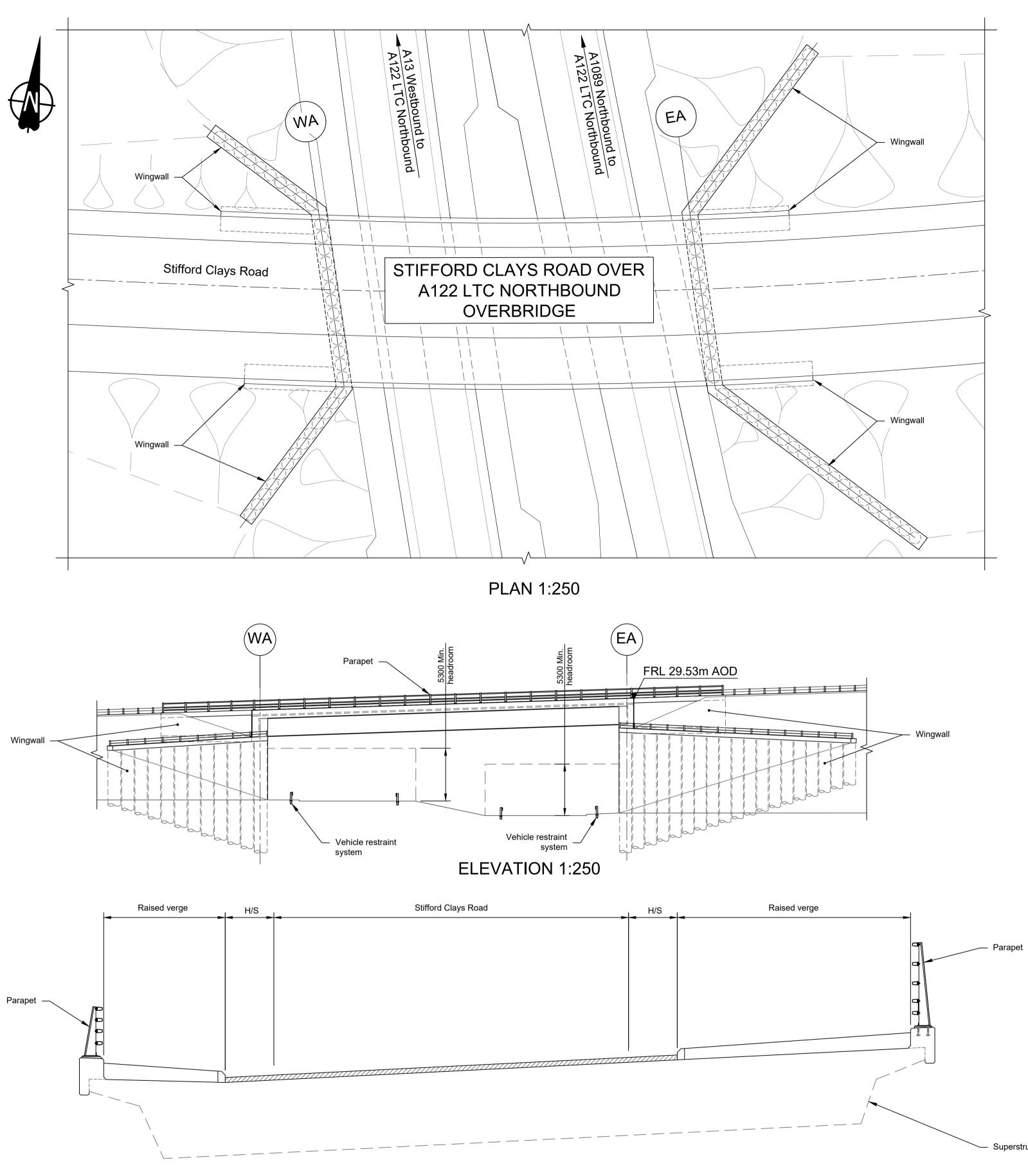


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		EA	EAST ABUTME	NT				
		H/S	HARD STRIP					
		FRL	FINISHED ROA	D LEVEL				
national	Status	DCO Exam		Original Size Revision A1 P02				
nighways	Application Document Number	TR010032/	APP/2.13	Scale AS SHOWN				
5 /	Drawing title	UCTURES F	PLANS 5(2)(0)				
		WORK N	· ·	/ ` /				
MES CROSSING	SHEET 49							
	Drawing Number HE540039-CJV	-BOP-SZZ_ST	000000DR-(CB-10079				
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EMBANKMENT/CUTTING

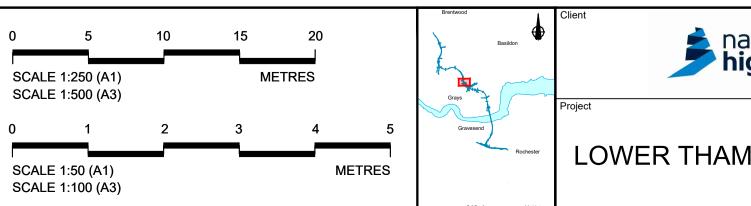






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							1. 2. 3.	The design and location of the structure is shown here for illustrative purposes only and will be subject to detailed design development in accordance with the provisions of the Development Consent Order (TR010032/APP/3.1). For Environmental 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.
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB	4. 5.	All dimensions in millimetres unless noted otherwise. All levels are in metres and relate to Ordnance datum unless stated otherwise.
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB	6. 7	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).
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd	8.	Full length of piles not shown.

TYPICAL SECTION 1:50



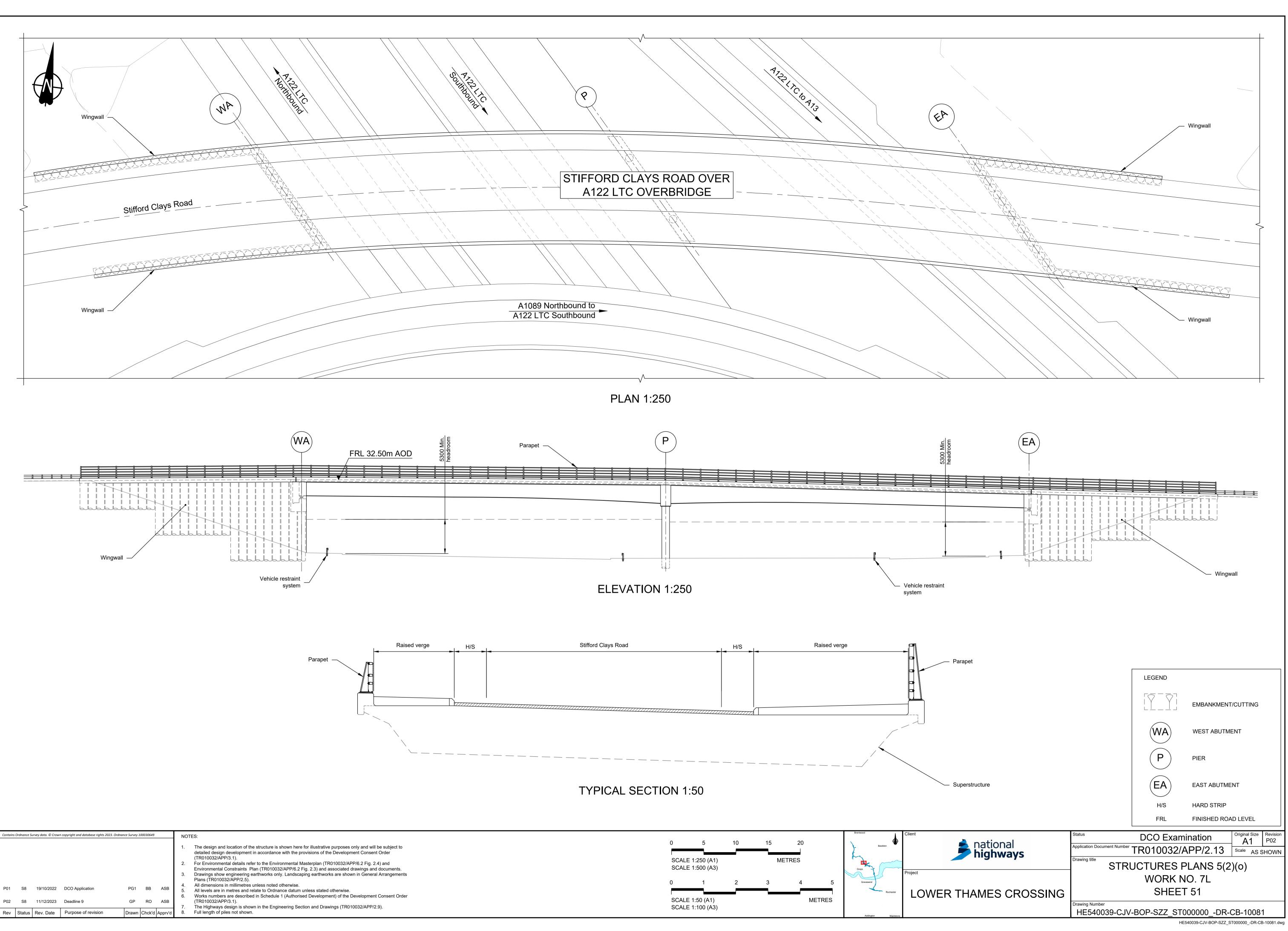
sture		EA H/S	EAST ABUTMEN HARDSTRIP	Т				
		FRL	FINISHED ROAD	LEVEL				
ational	Status	DCO Exam		Original Size	Revision P02			
national nighways	Application Document Numbe	['] TR010032//	APP/2.13	Scale 1:75	00			
iginays	Drawing title		PLANS 5(2)(0)				
	WORK NO. 7L							
MES CROSSING	SHEET 50							
	Drawing Number HE540039-CJ	/-BOP-SZZ_ST	000000DR-0	CB-1008)			
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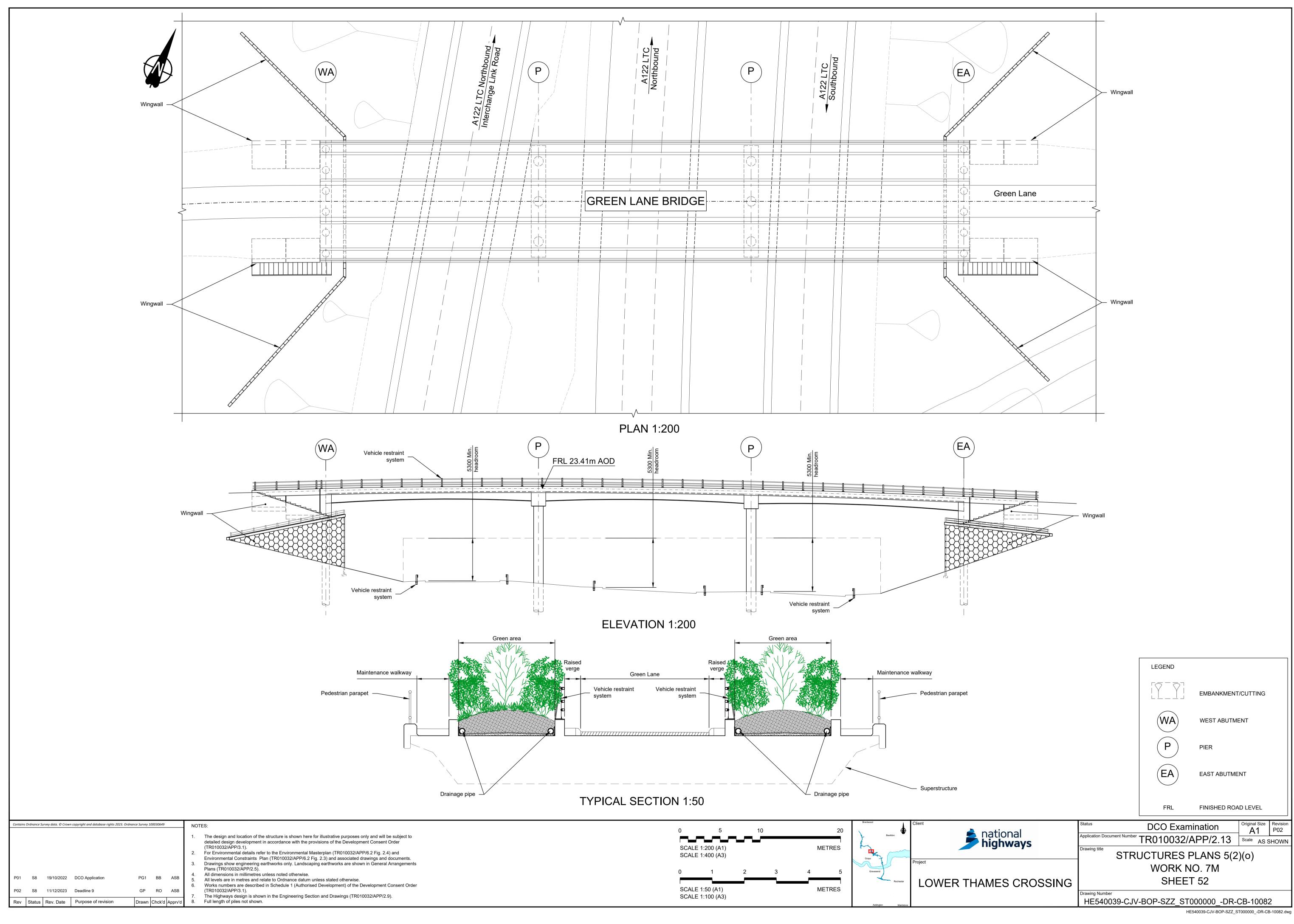
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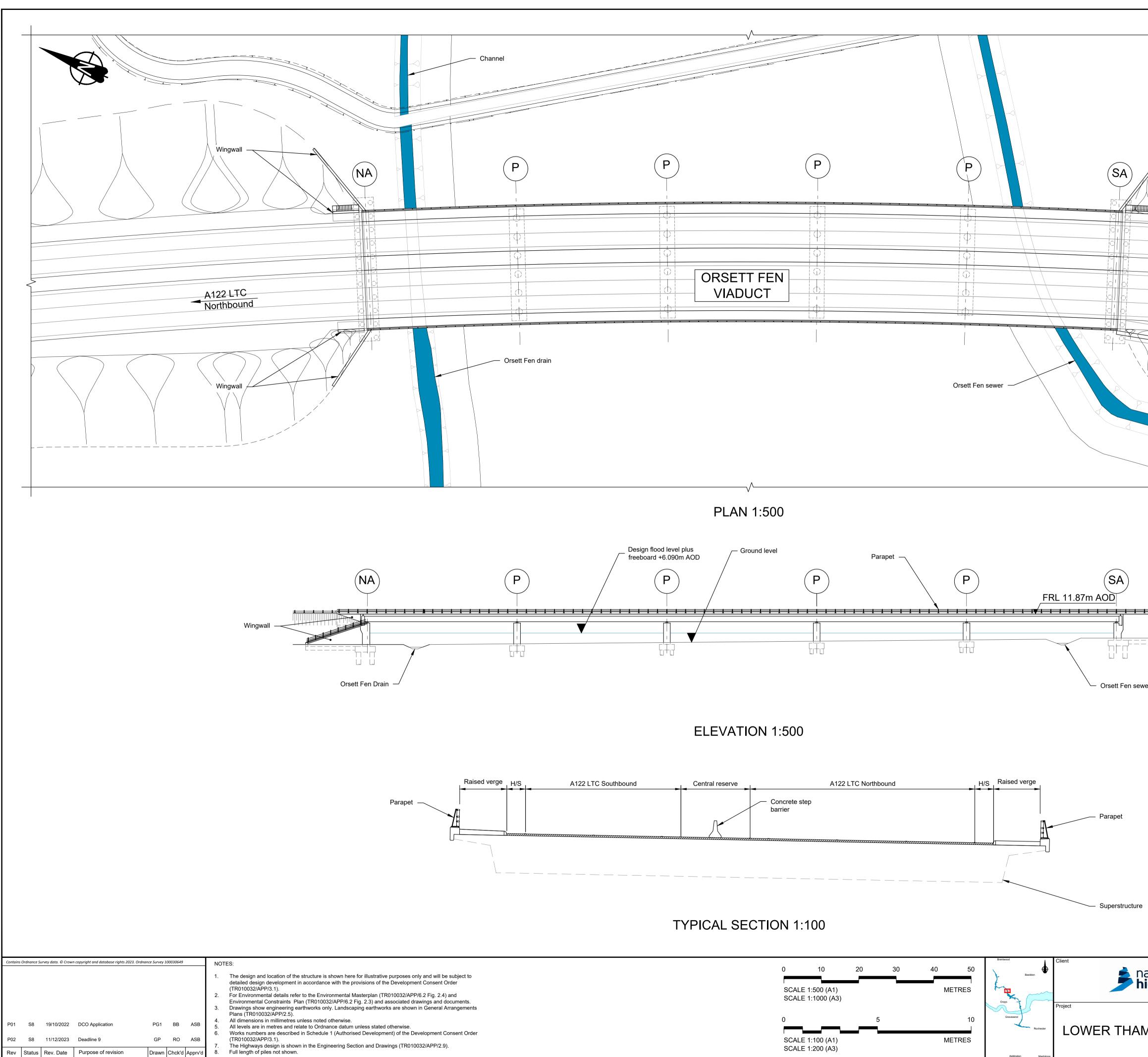
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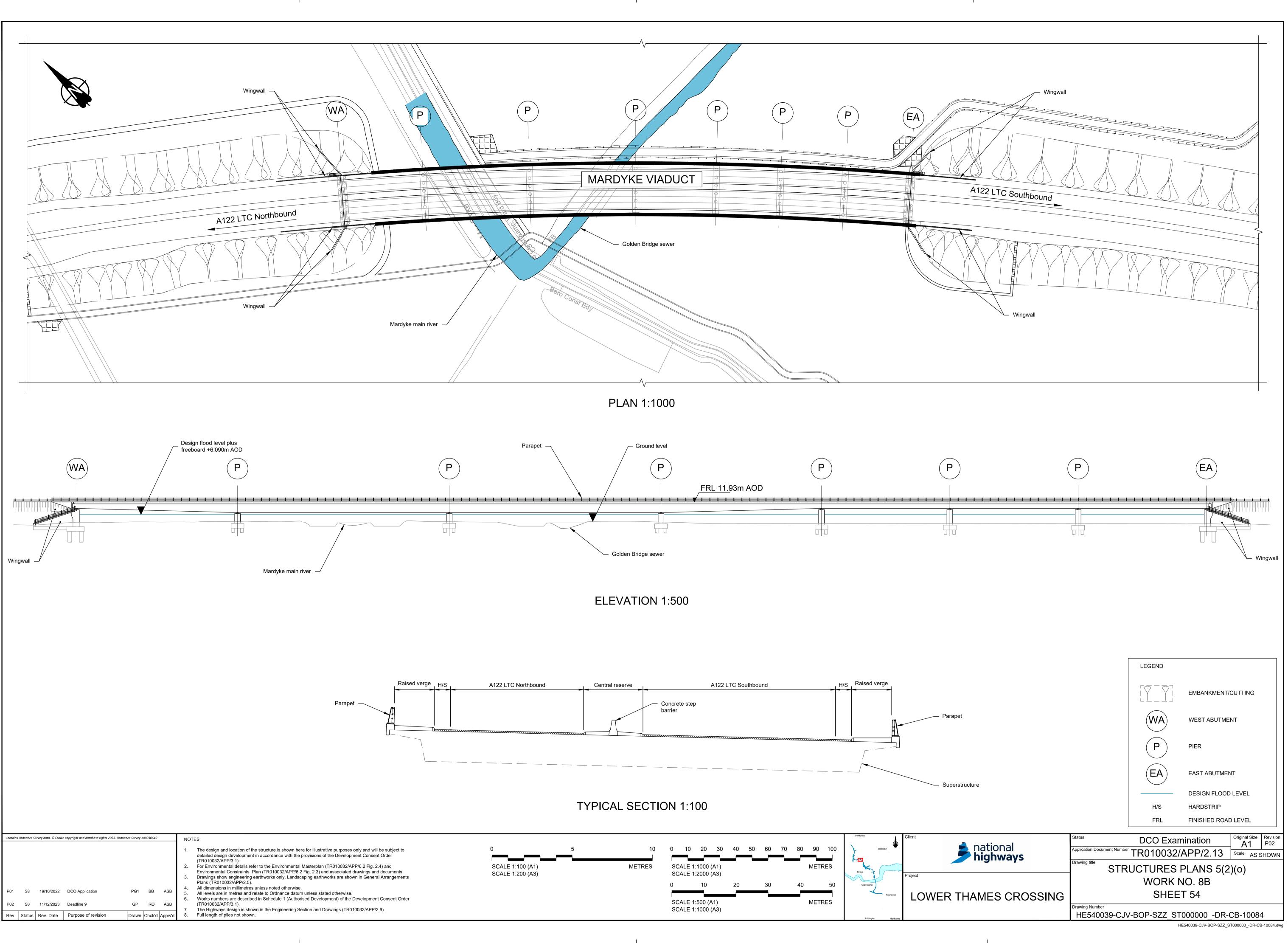
EMBANKMENT/CUTTING

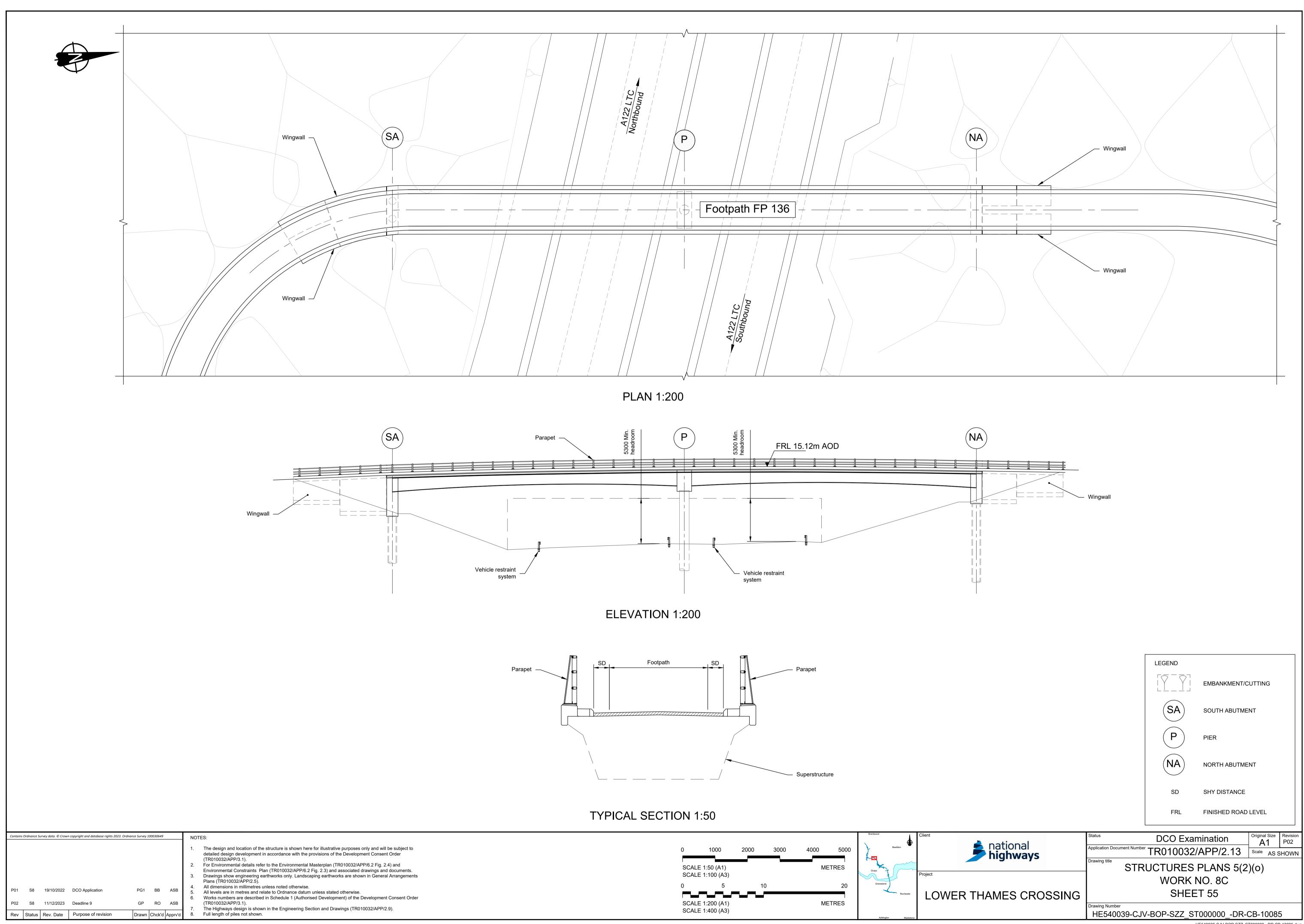




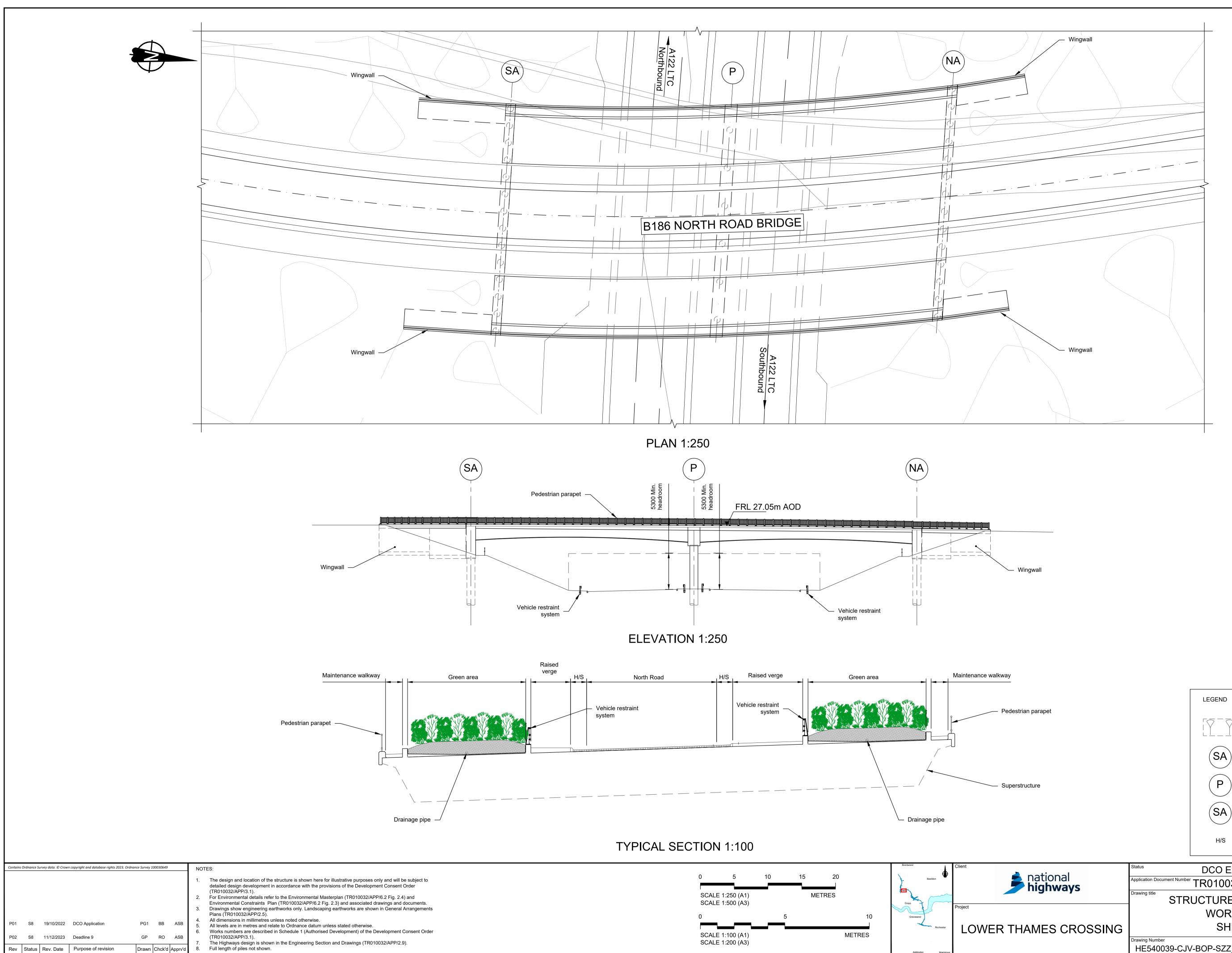


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	A122 LTC			
	Wingwall	Wingwall		
wer				
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national highways MES CROSSING	Drawing Number	UCTURES F WORK N SHEET /-BOP-SZZ_ST	PLANS 5(2) IO. 8B I 53	B-10083





			LEGEND			
				EMBANKMENT/C	UTTING	
			SA	SOUTH ABUTME	NT	
			P	PIER		
			NA	NORTH ABUTME	INT	
			SD	SHY DISTANCE		
			FRL	FINISHED ROAD	LEVEL	
	Status		DCO Exan	nination	Original Size	Revision P02
national lighways	Application Document	Number	TR010032/	APP/2.13		SHOWN
iigiiway5	Drawing title		JCTURES)(0)	
			WORK	-	/	
MES CROSSING			SHEE			
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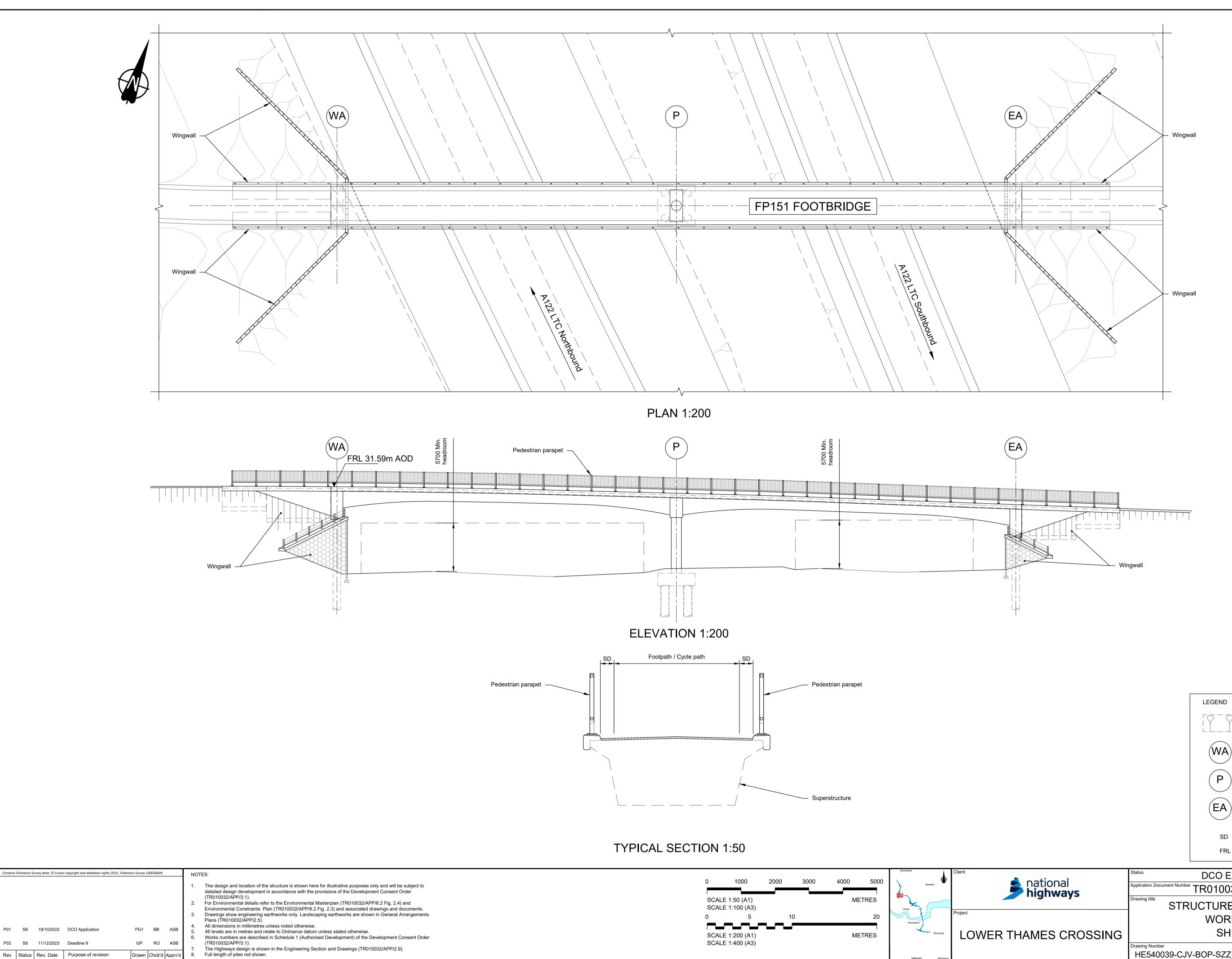
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EMBANKMENT/CUTTING

SOUTH ABUTMENT

PIER

		H ABUTMENT
	H/S HARD	STRIP
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national nighways	Application Document Number TR010032/APP/2	A1 P02 2.13 Scale AS SHOWN
iginiays	Drawing title STRUCTURES PLAN	S 5(2)(o)
	WORK NO. 8	
MES CROSSING	SHEET 56	
	Drawing Number HE540039-CJV-BOP-SZZ_ST000000	
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Drawing Number HE540039-CJV	MES CROSSING	Drawing Number HE540039-CJV
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Number
540039-CJV-BOP-SZZ_ST000000DR-CB-10087
HE540039-CJV-BOP-SZZ_ST000000DR-CB-10087.dwg

EMBANKMENT/CUTTING

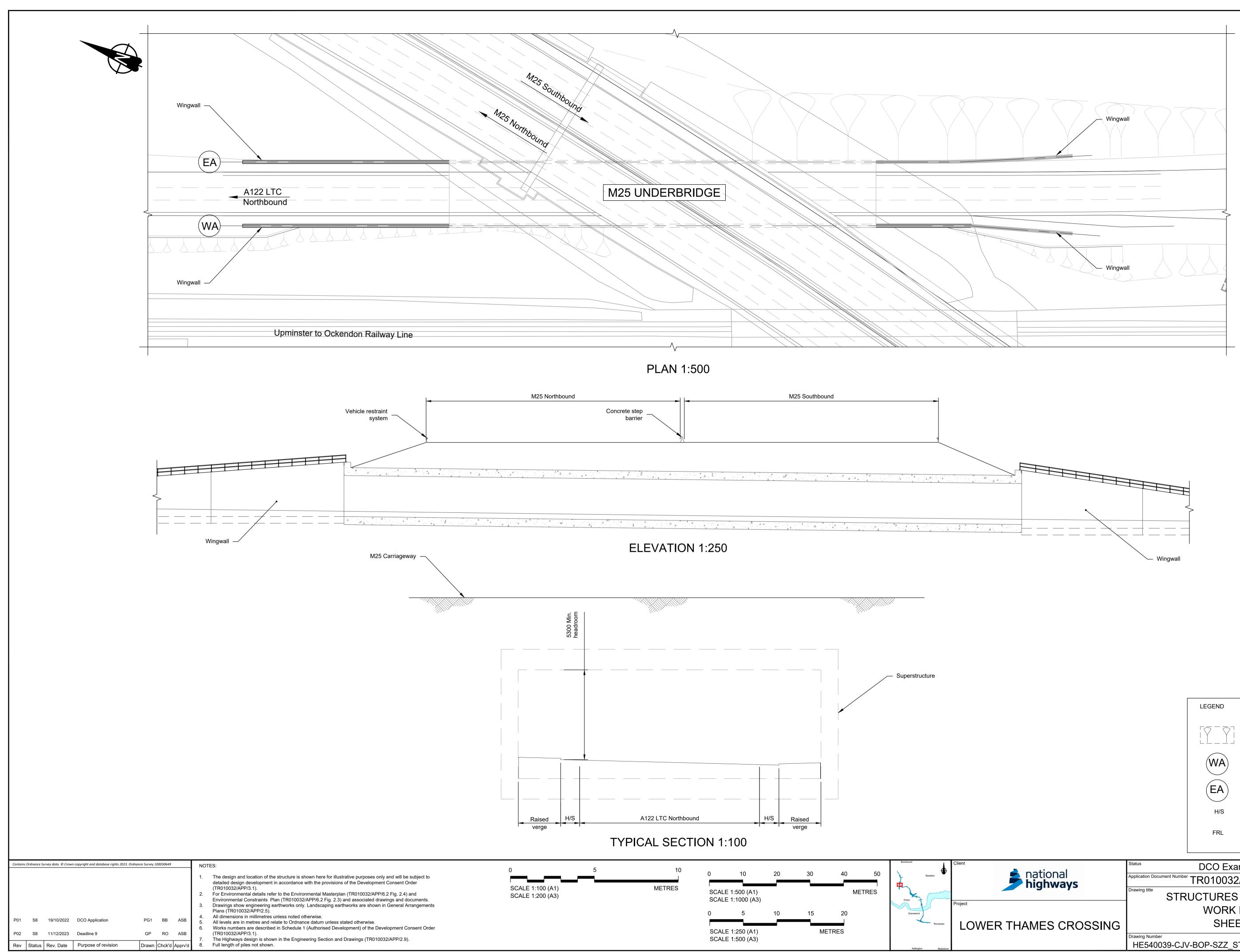
WEST ABUTMENT

PIER

		EA	EAST ABUTMEN	ΝT	
		SD	SHY DISTANCE		
		FRL	FINISHED ROAD	DLEVEL	
	Status	DCO Exam	ination	Original Size	Revision P02
national nighways	Application Document Number	" TR010032/	APP/2.13		SHOWN
iginays	Drawing title		PLANS 5(2)(0)	
		WORK N	, ,	,,,,	
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	Drawing Number HE540039-CJ	V-BOP-SZZ_ST	000000DR-0	CB-1008 ⁻	7

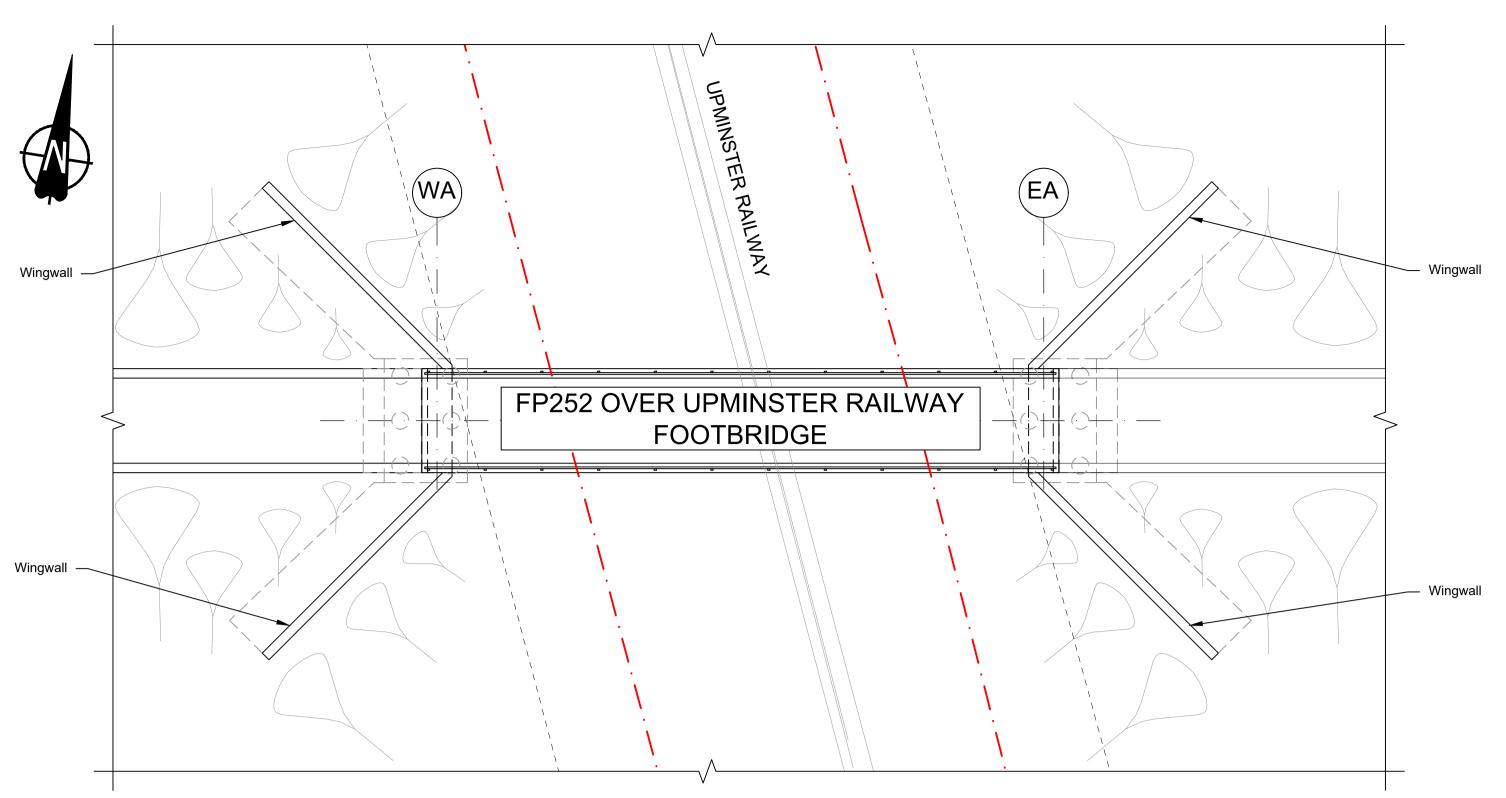
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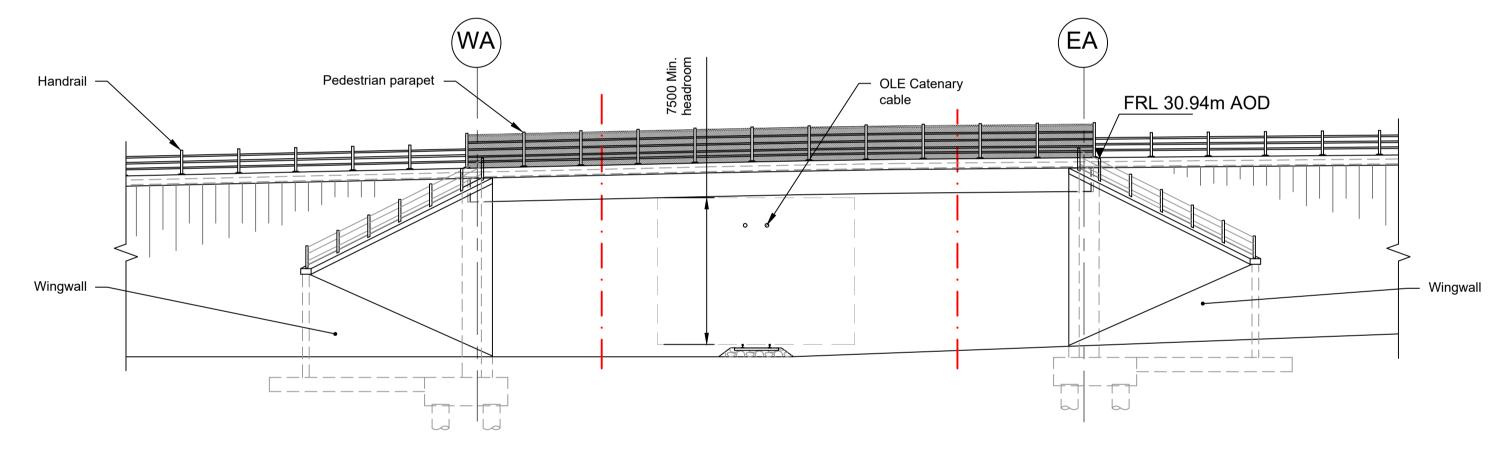
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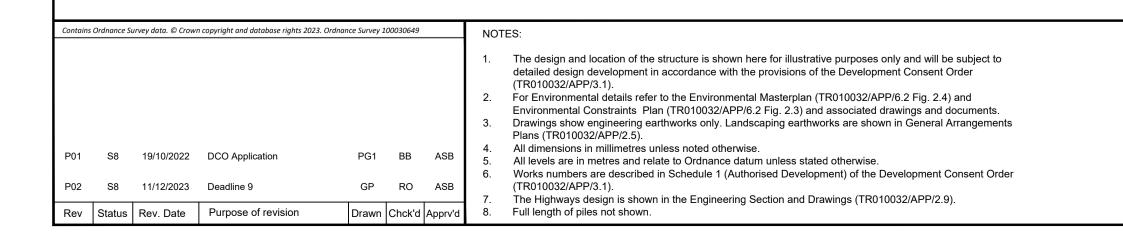


				EA	EAST ABUTMEN	ΝT	
				H/S	HARD STRIP		
				FRL	FINISHED ROAD	D LEVEL	
		Status	l			Original Size	Revision
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national nighways		Application Docume	ent Number	TR01003	32/APP/2.13		SHOWN
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MES CRO	SSING			SHE	ET 58		
		Drawing Number HE54003	9-CJV	/-BOP-SZZ_	_ST000000DR-(CB-1008	8
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EMBANKMENT/CUTTING



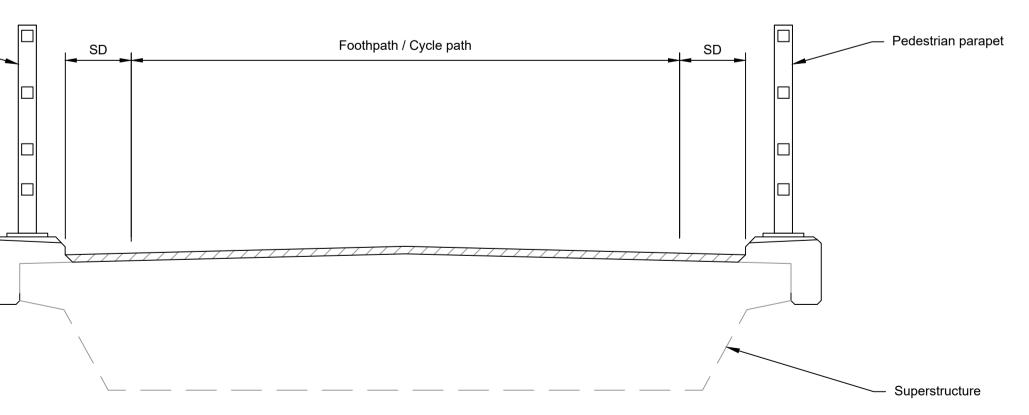




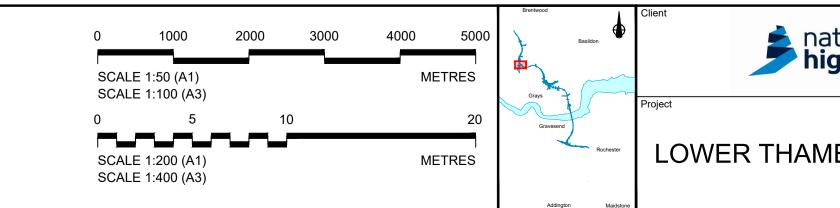
Pedestrian parapet



ELEVATION 1:200



TYPICAL SECTION 1:50

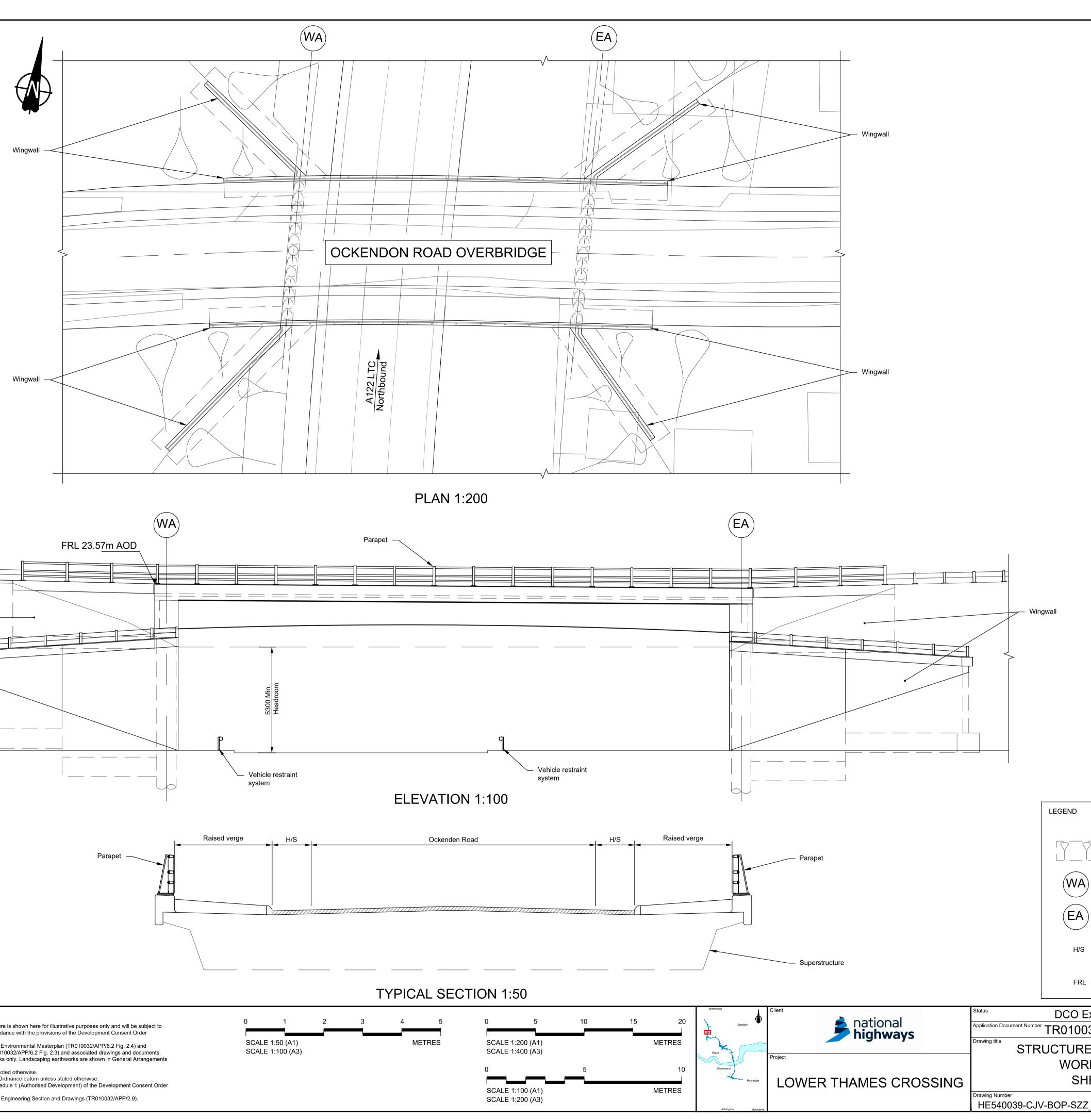


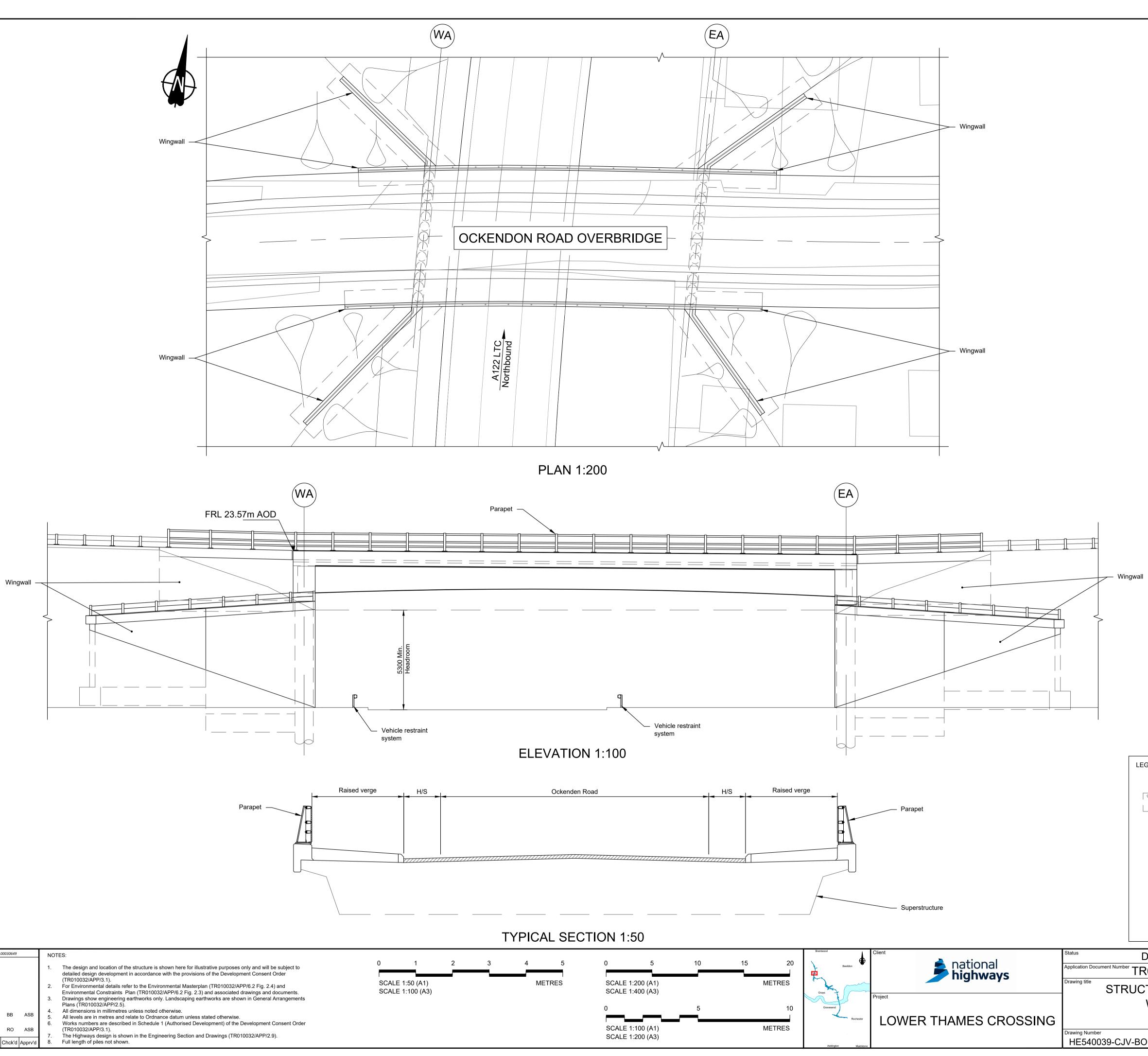
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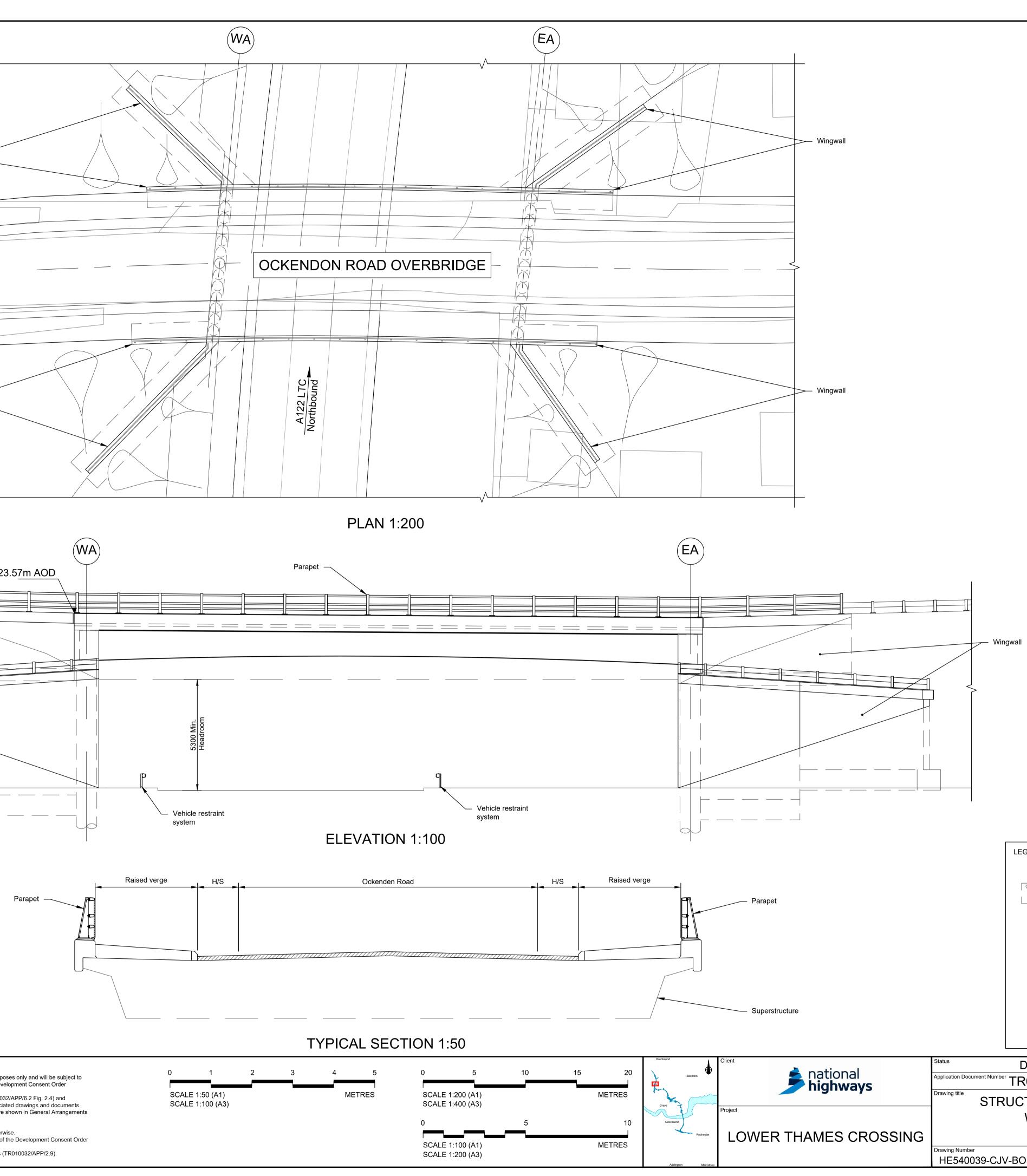
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	OLE OVERHEAD LIN	E EQUIPME	NT				
antional	Status DCO Examination	Original Size	Revision P02				
national highways	Application Document Number TR010032/APP/2.13		SHOWN				
	Drawing title STRUCTURES PLANS 5(2)(0)						
	WORK NO. 9M						
MES CROSSING	SHEET 59						
			<u> </u>				

LEGEND	
	EMBANKMENT/CUTTING
WA	WEST ABUTMENT
EA	EAST ABUTMENT
·	NETWORK RAIL BOUNDARY
SD	SHY DISTANCE
FRL	FINISHED ROAD LEVEL
OLE	OVERHEAD LINE EQUIPMENT



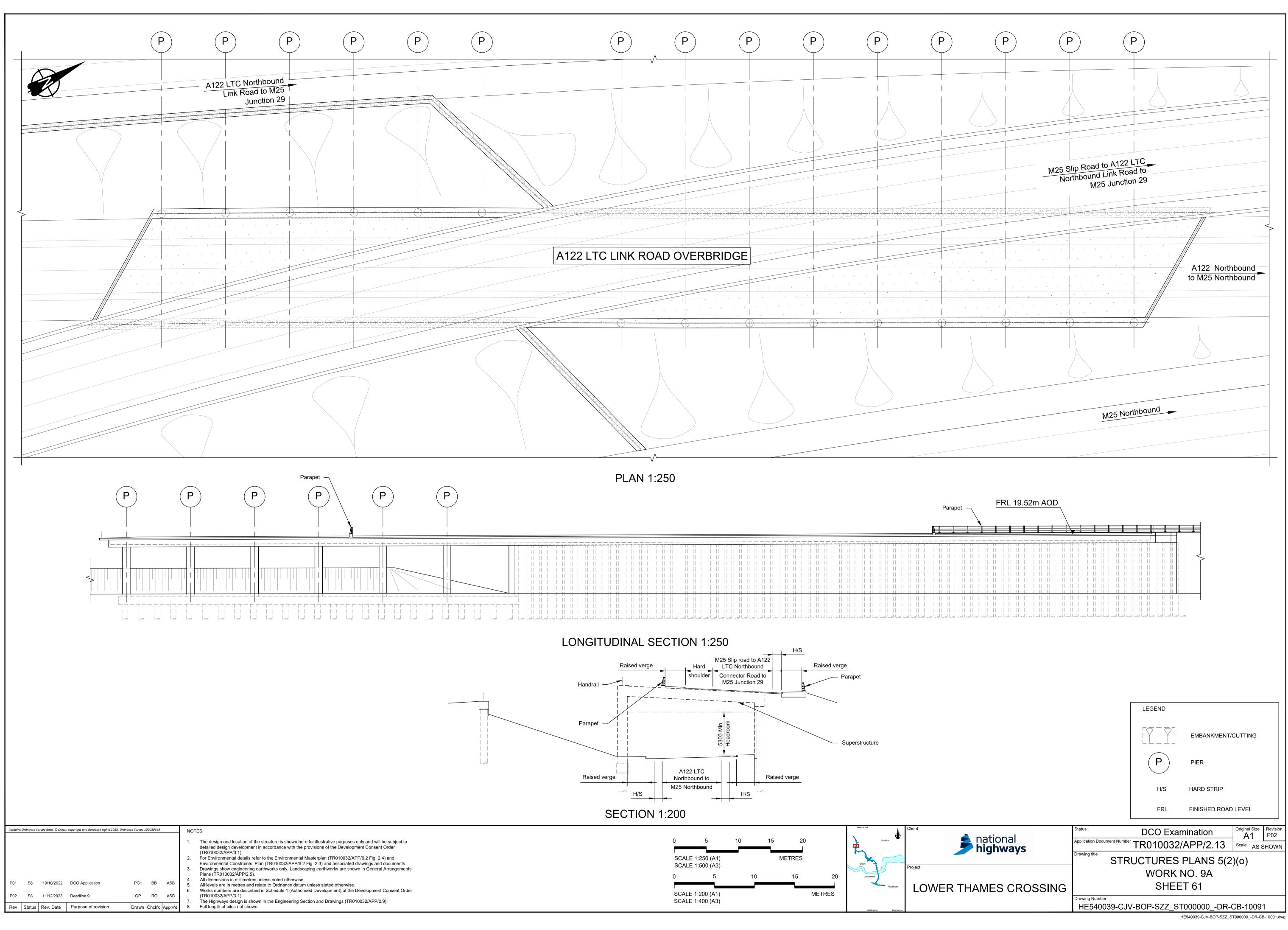


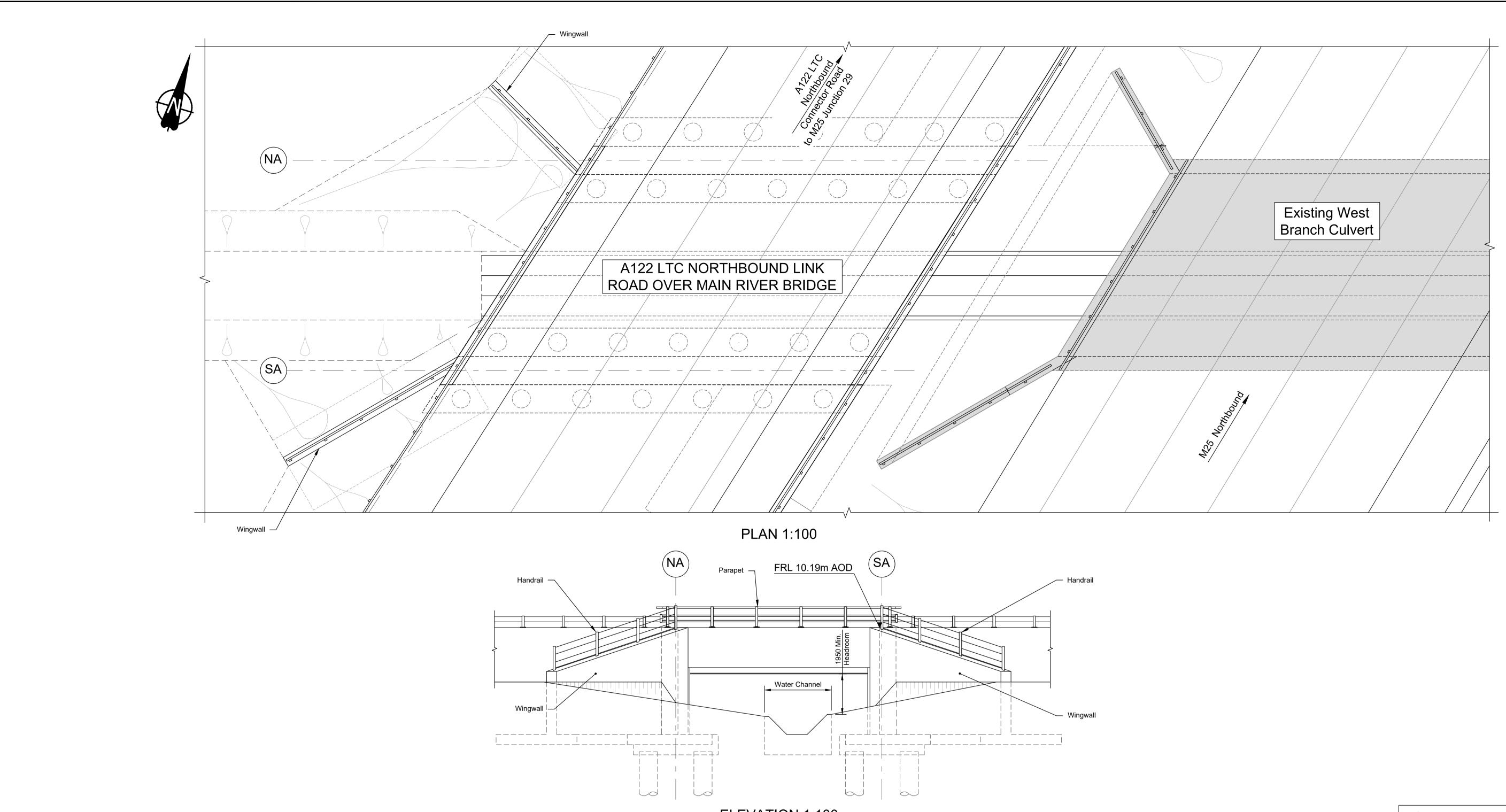


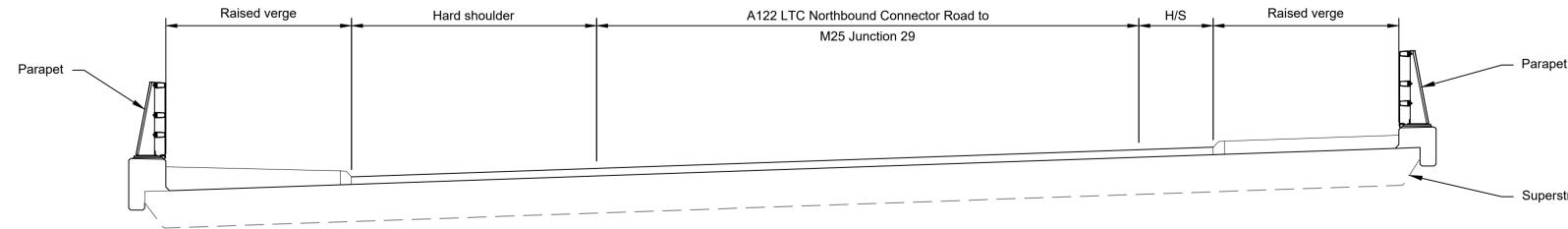
Contains	Ordnance Su	ırvey data. © Crowi	n copyright and database rights 2023. (Ordnance Survey	100030649		NOT	'ES:
P01 P02 Rev	S8 S8 Status	19/10/2022 11/12/2023 Rev. Date	DCO Application Deadline 9 Purpose of revision	PG1 GP Drawn	BB RO Chck'd	ASB ASB Apprv'd	1. 2. 3. 4. 5. 6. 7. 8.	The design and 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). 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.

		EA	EAST ABUTMEN	Т	
		H/S	HARDSTRIP		
		FRL	FINISHED ROAD	LEVEL	
atta a al	Status	DCO Exam	ination	Original Size	Revision P02
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iginays	Drawing title	UCTURES F	PLANS 5(2)(0)	
		WORK N	•	/ /	
MES CROSSING		SHEET	Г 60		
	Drawing Number HE540039-CJ\	/-BOP-SZZ_ST(000000DR-0	CB-10090)
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EMBANKMENT/CUTTING





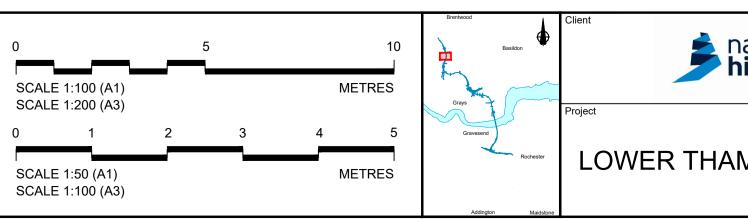


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							1. 2. 3. 4.	The design and location of the structure is shown here for illustrative purposes only and will be subject to detailed design development in accordance with the provisions of the Development Consent Order (TR010032/APP/3.1). For Environmental 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.
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB	4. 5.	All levels are in metres and relate to Ordnance datum unless stated otherwise.
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB	6. 7.	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).
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd	8.	Full length of piles not shown.



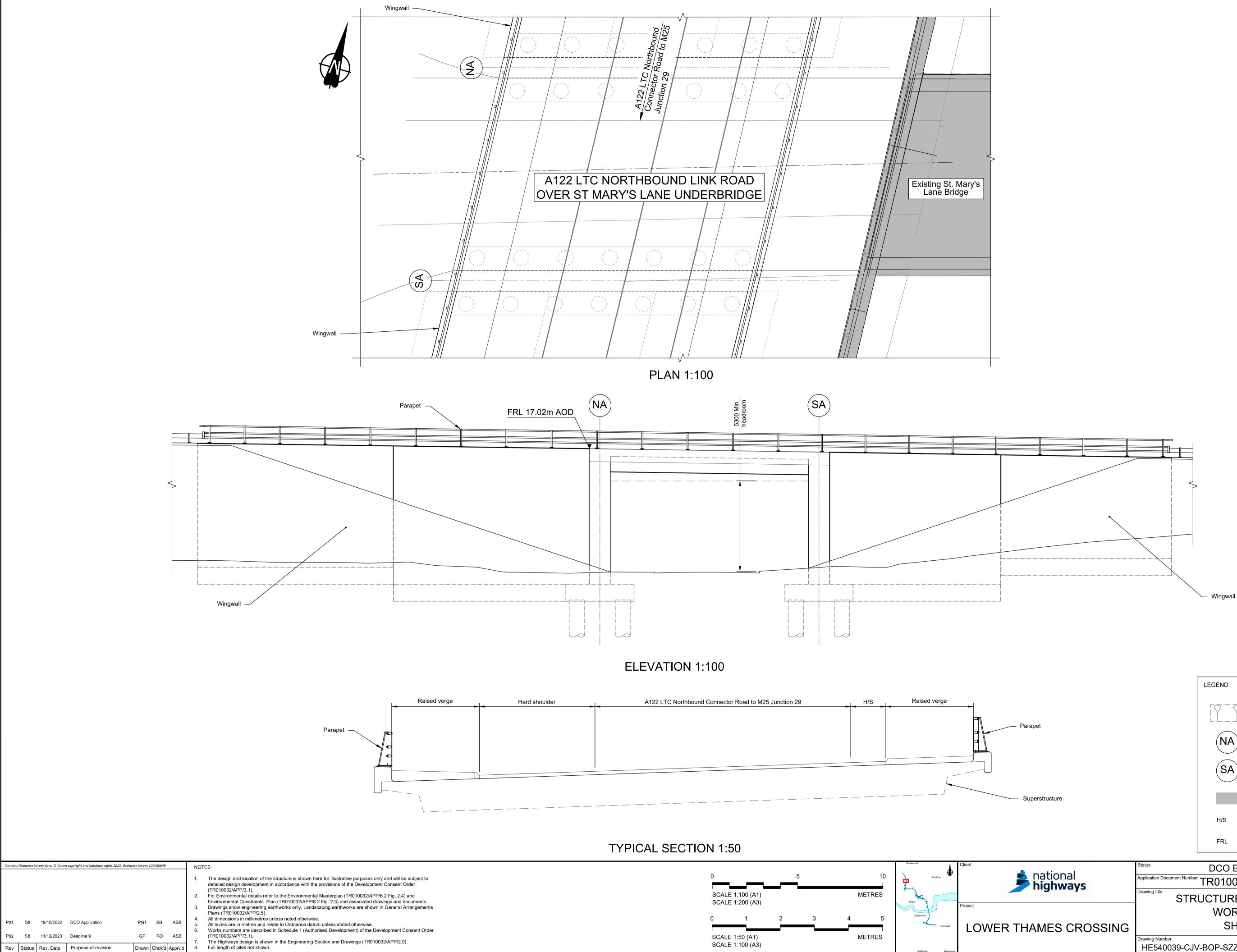
ELEVATION 1:100

TYPICAL SECTION 1:50



		(SA)	SOUTH ABUTMEN	IT		
rstructure			EXISTING BRIDGE	E		
		H/S	HARDSTRIP			
		FRL	FINISHED ROAD L	EVEL		
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ational	DCO Examination			Original Size	Revision P02	
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		WORK	· ·	,,,,		
MES CROSSING						
	Drawing Number HE540039-CJ	/-BOP-SZZ_ST	000000DR-0	CB-10092	2	
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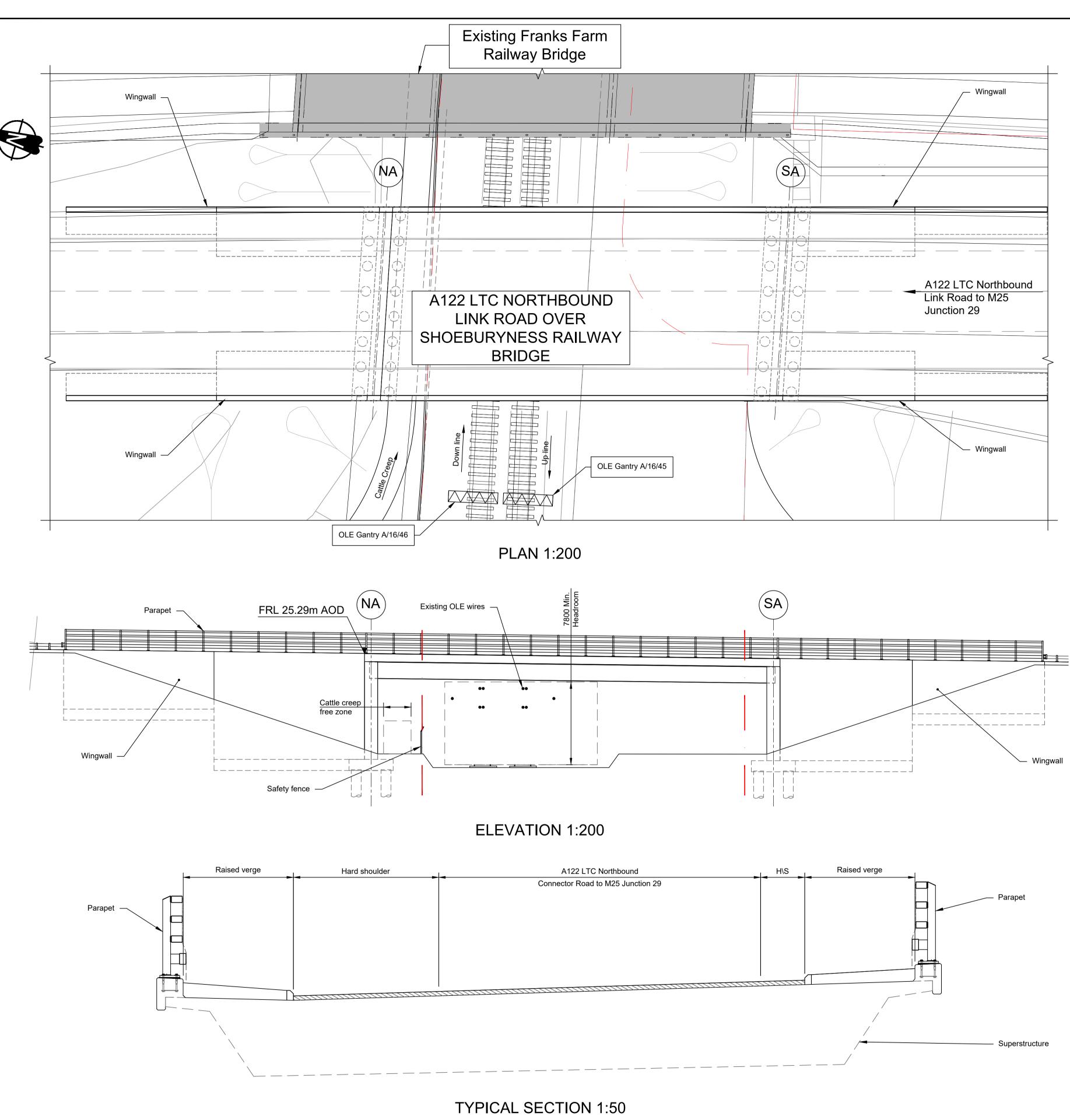
l			
	FRL	FINISHED ROAD LEVEL	
	H/S	HARDSTRIP	
ructure		EXISTING BRIDGE	
	SA	SOUTH ABUTMENT	
	NA	NORTH ABUTMENT	
		EMBANKMENT/CUTTING	
	LEGEND		
			1

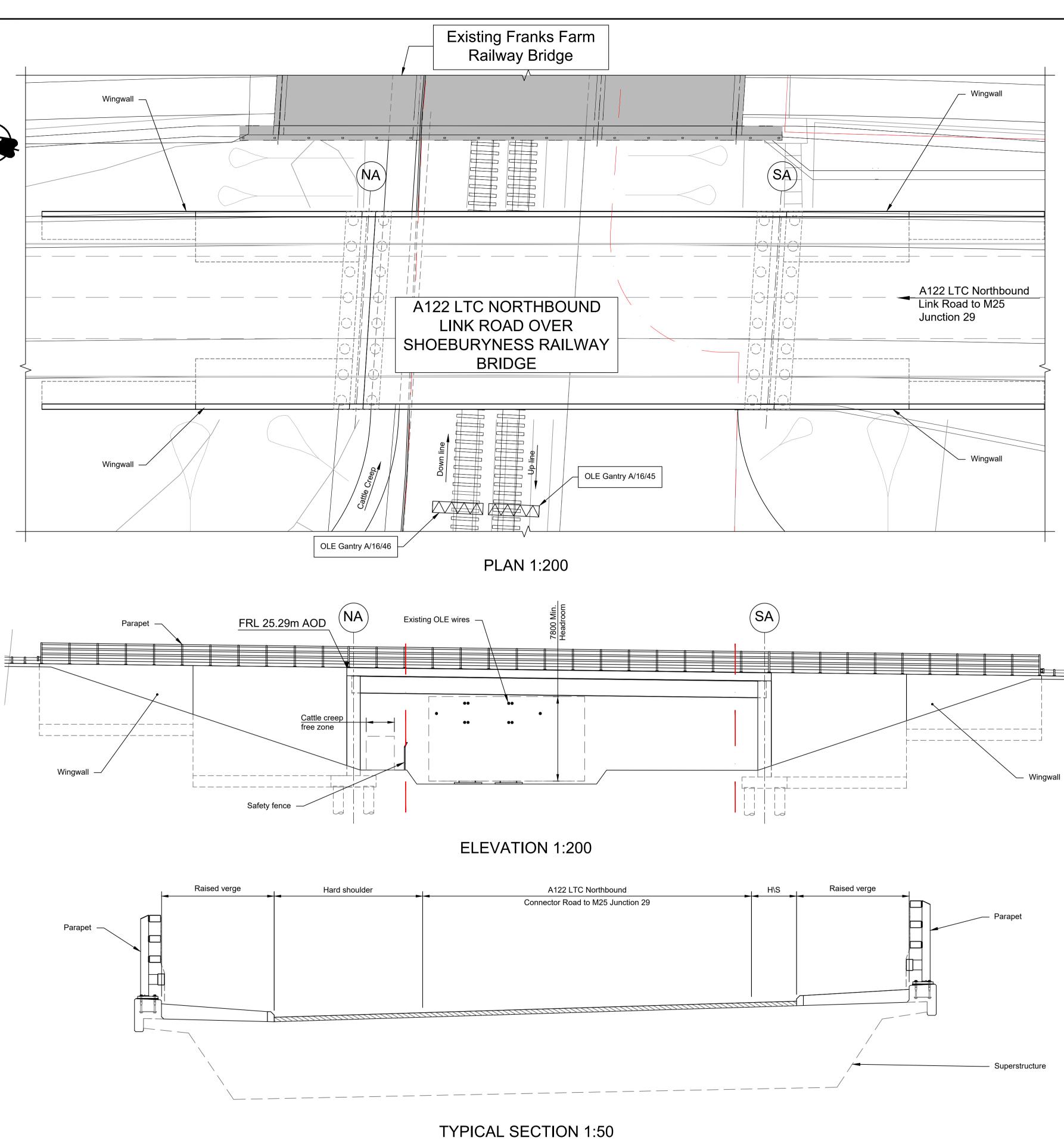


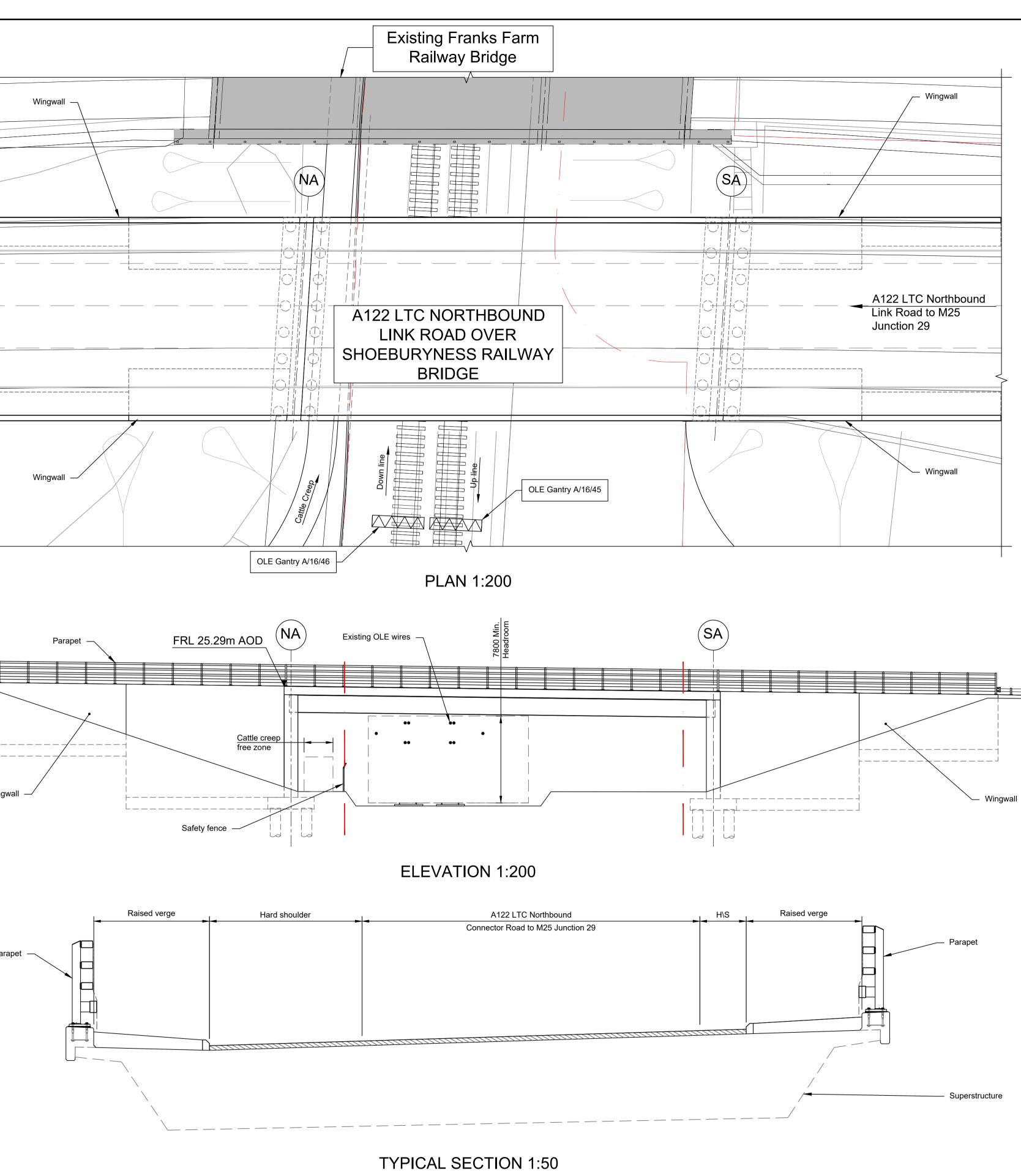
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	E 1:50 (A1) E 1:100 (A3)			ME	ETRES

	FRL FINISHED ROAD L	EVEL			
ational	Status DCO Examination	Original Size	Revision P02		
ational ighways	Application Document Number TR010032/APP/2.13	Scale AS S	HOWN		
	Drawing title STRUCTURES PLANS 5(2))(0)			
	WORK NO. 9D				
MES CROSSING	SHEET 63				
	Drawing Number HE540039-CJV-BOP-SZZ_ST000000DR-0	CB-10093	3		
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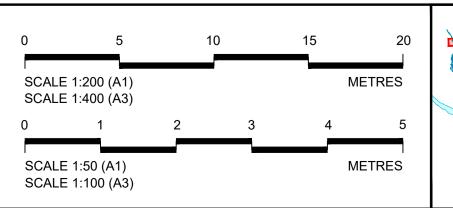
		FRL	FINISHED ROAD L	EVEL	
		H/S	HARDSTRIP		
rstructure			EXISTING BRIDGE	E	
		SA	SOUTH ABUTMEN	IT	
		NA	NORTH ABUTMEN	IT	
et			EMBANKMENT/CU	ITTING	
		LEGEND			
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Contain	s Ordnance Si	urvey data. © Crow	n copyright and database rights 2023.	Ordnance Survey	100030649		NOTES:	
P01 P02	S8 S8	19/10/2022 11/12/2023	DCO Application Deadline 9	PG1 GP	BB RO	ASB ASB	 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). 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. 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). 	
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd	8. Full length of piles not shown.	





rojec

Gravesen

EMBANKMENT/CUTTING

NORTH ABUTMENT

SOUTH ABUTMENT

— • — NETWORK RAIL LAND BOUNDARY

HARD STRIP

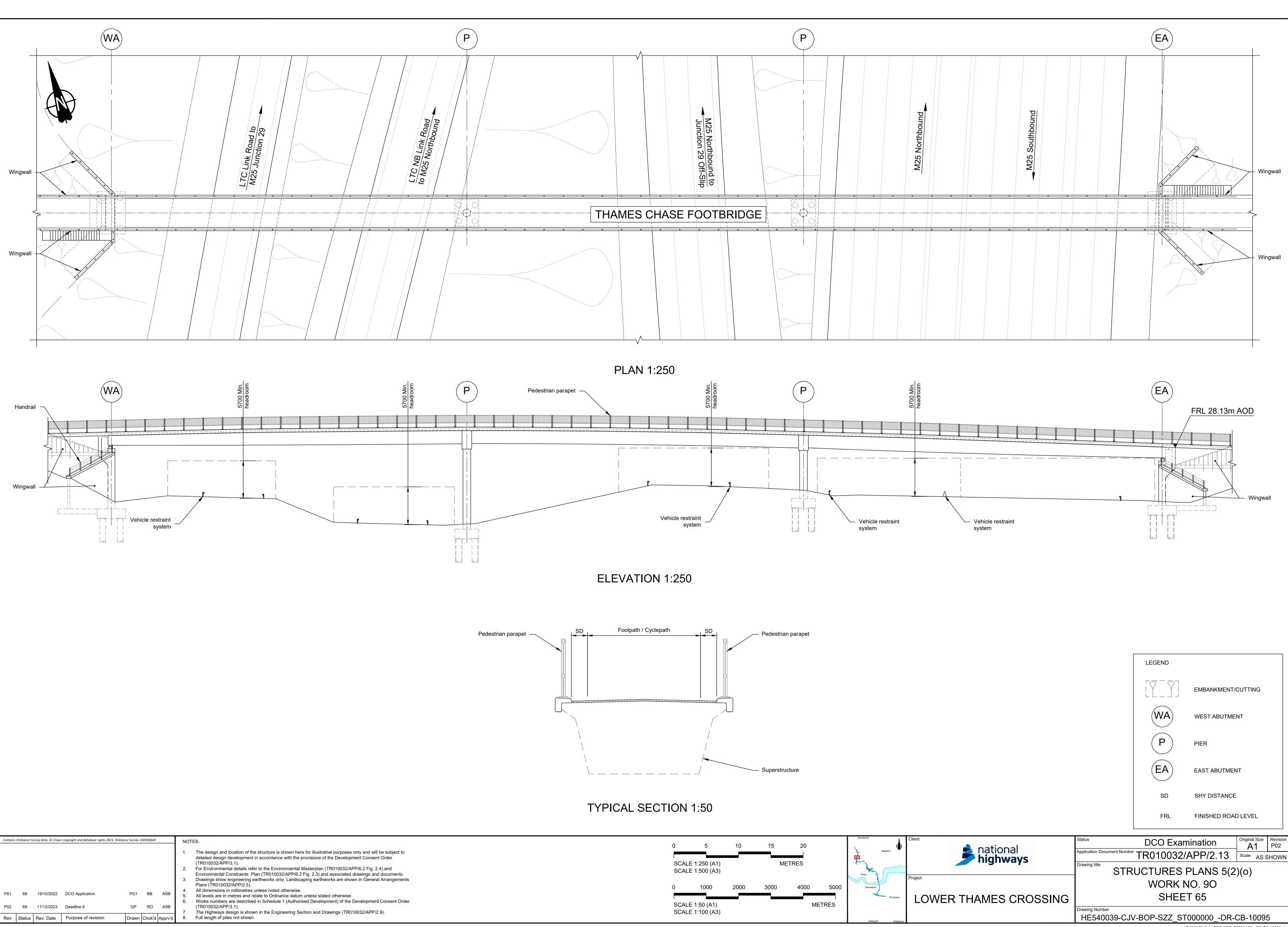
		FRL	FINISHED ROAD LE	EVEL	
		OLE	OVERHEAD LINE E	QUIPMENT	
antional	Status	DCO Exa		Original Size	Revision P02
national nighways	Application Document Number -	TR010032	/APP/2.13		SHOWN
iigiiway5	Drawing title	JCTURES	PLANS 5(2)(0)	
		WORK	NO. 9D	, , ,	
MES CROSSING	SHEET 64				
	Drawing Number HE540039-CJV-	BOP-SZZ S	T000000 -DR-0	CB-10094	4

LEGEND

(NA)

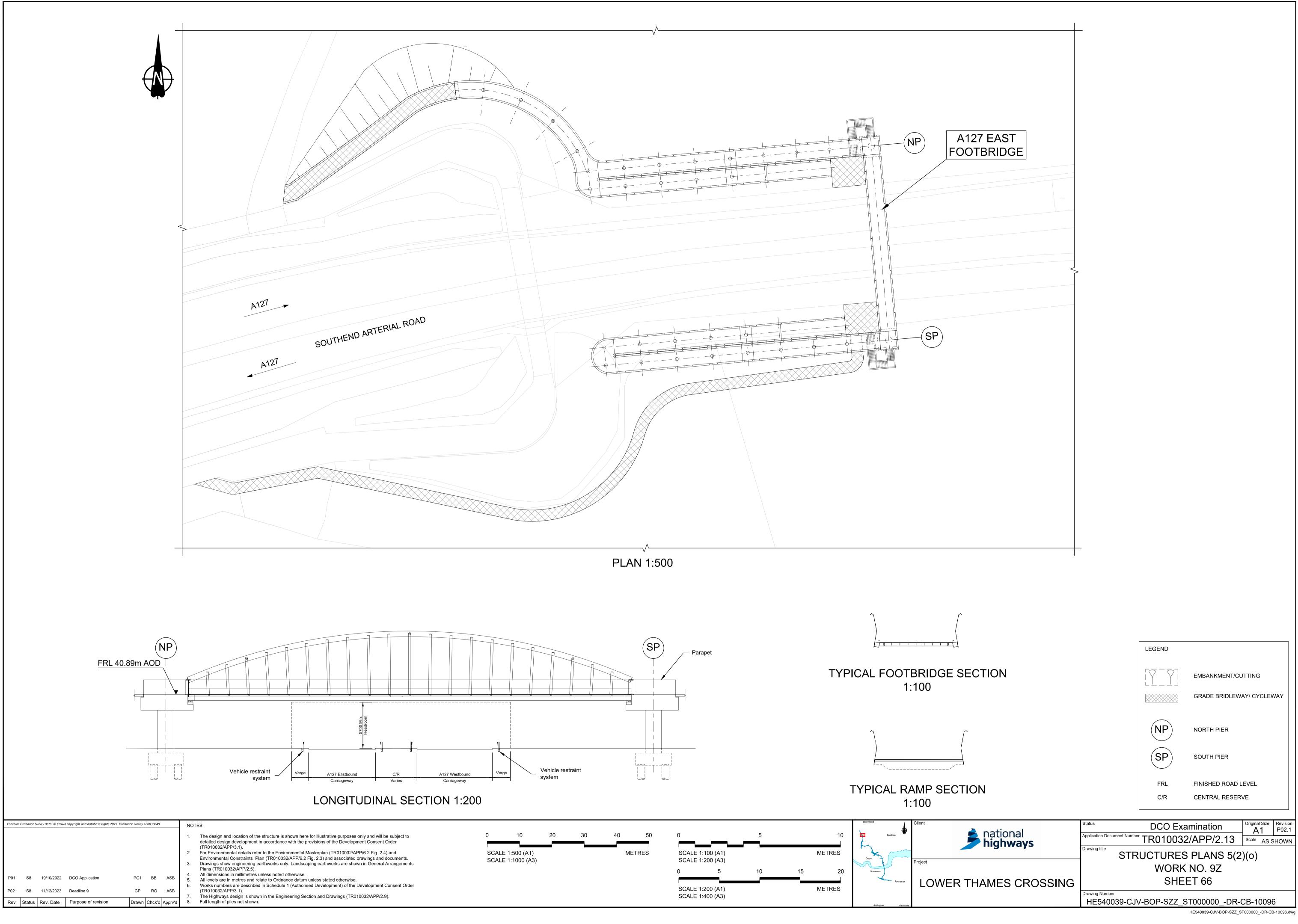
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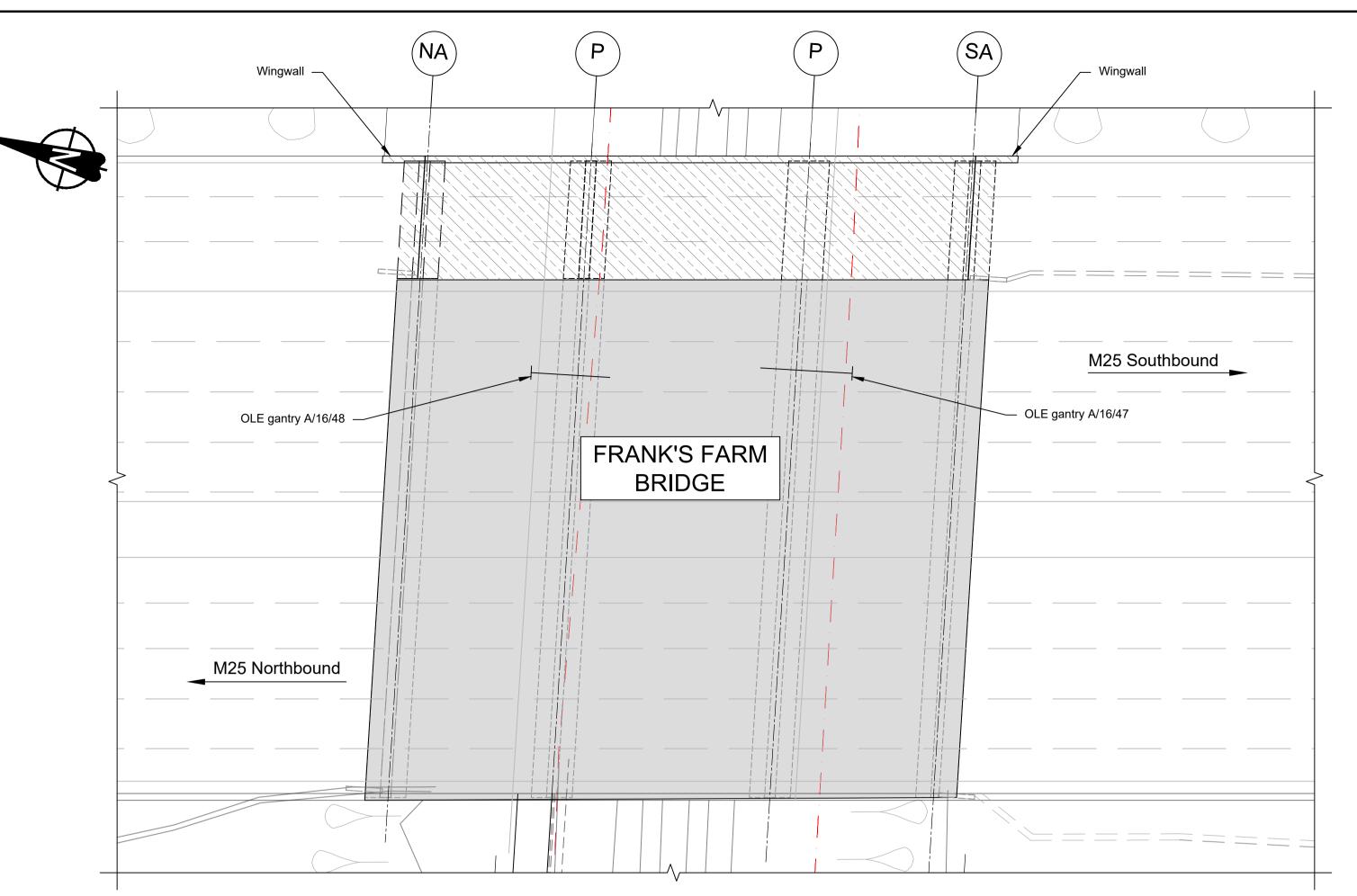
H/S

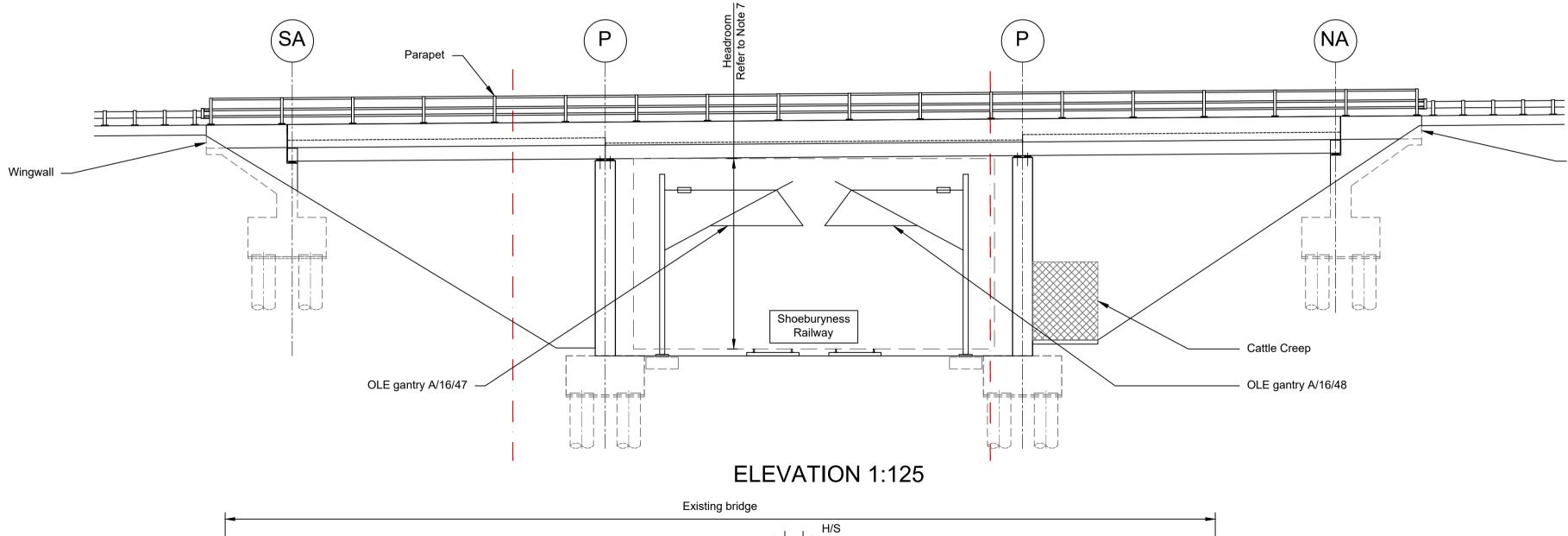


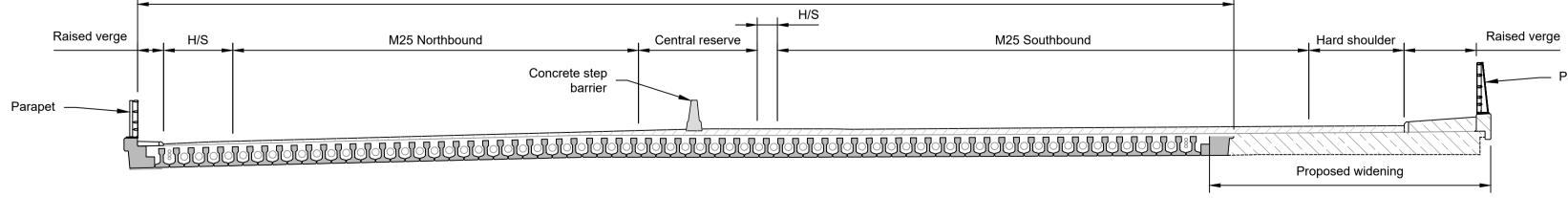
				EA	EAST ABUTMEN	ΝT	
				SD	SHY DISTANCE		
				FRL	FINISHED ROAI	D LEVEL	
national		Status		DCO Exa		Original Size	Revision P02
nighways		Application Docun	nent Number	TR010032	/APP/2.13	Scale AS S	SHOWN
iigiiways		Drawing title	STR	UCTURES	PLANS 5(2)(0)	
				WORK	NO. 90		
MES CROSSING		SHEET 65					
		Drawing Number HE5400	39-CJ\	/-BOP-SZZ_S	T000000DR-(CB-1009	5
					HE540039-CJV-BOP-SZZ_S	T000000DR-CI	3-10095.dwg

		LEGEND			
			EMBANKMENT/	CUTTING	
		WA	WEST ABUTME	NT	
		P	PIER		
		EA	EAST ABUTMEN	١T	
		SD	SHY DISTANCE		
		FRL	FINISHED ROAI	DLEVEL	
ational	Status	DCO Exam		Original Size	Revision P02
national Nighways	Application Document Numbe	['] TR010032//	APP/2.13		SHOWN
	Drawing title				





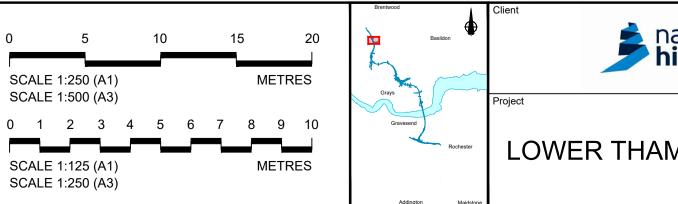




Contains	s Ordnance Si	urvey data. © Crowi	n copyright and database rights 2023. (Ordnance Survey 1	100030649		NOTES:
P01 P02	S8 S8	19/10/2022 11/12/2023	DCO Application Deadline 9	PG1 GP	BB RO	ASB	 The design and location of the structure is shown here for illustrative purposes only and will be subject to detailed design development in accordance with the provisions of the Development Consent Order (TR010032/APP/3.1). 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. Morks 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).
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd	8. Full length of piles not shown.

PLAN 1:250

TYPICAL SECTION (CENTRAL SPAN) 1:125



EMBANKMENT/CUTTING

NORTH ABUTMENT

SOUTH ABUTMENT

PIER

e -			EXISTING STRUC RETAINED	TURE TO BE
Parapet			PROPOSED STRU	ICTURE
		H/S	HARD STRIP	
		OLE	OVERHEAD LINE	EQUIPMENT
		NETWOF	 RK RAIL LAND BOUN	NDARY
a atta a a l	Status	DCO Exa	mination	Original Size Revision A1 P02
national h ighways	Application Document Number	TR010032	/APP/2.13	Scale AS SHOWN
	Drawing title	UCTURES	PLANS 5(2)(o)
		WORK	NO. 9E `	
MES CROSSING		SHEE	ET 67	
	Drawing Number HE540039-CJ\	/-BOP-SZZ_S ⁻	T000000DR-0	CB-10100
			HE540039-CJV-BOP-SZZ_S	T000000DR-CB-10100.dwg

LEGEND

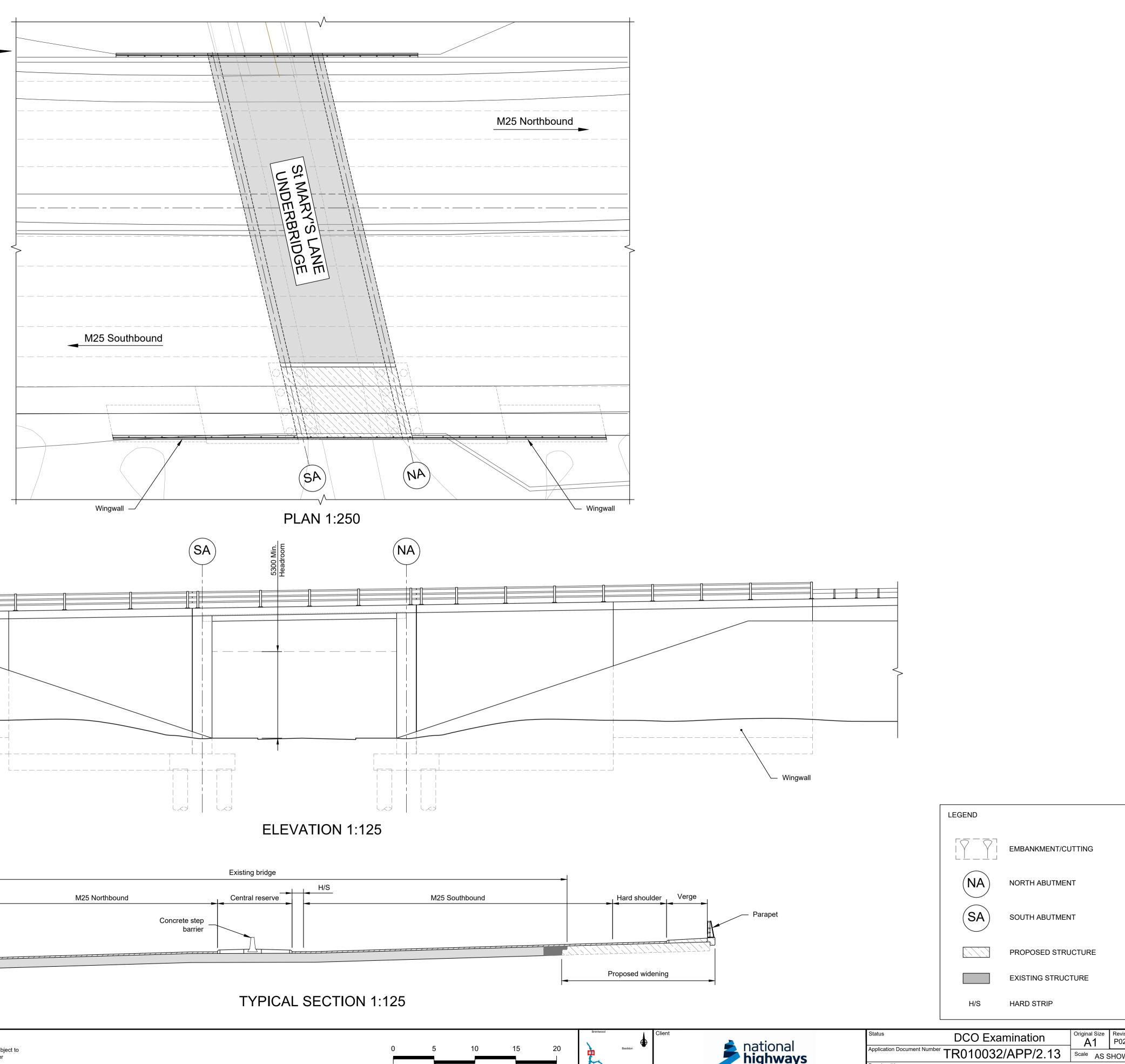
 $\left[\begin{array}{c} - \end{array} \right]$

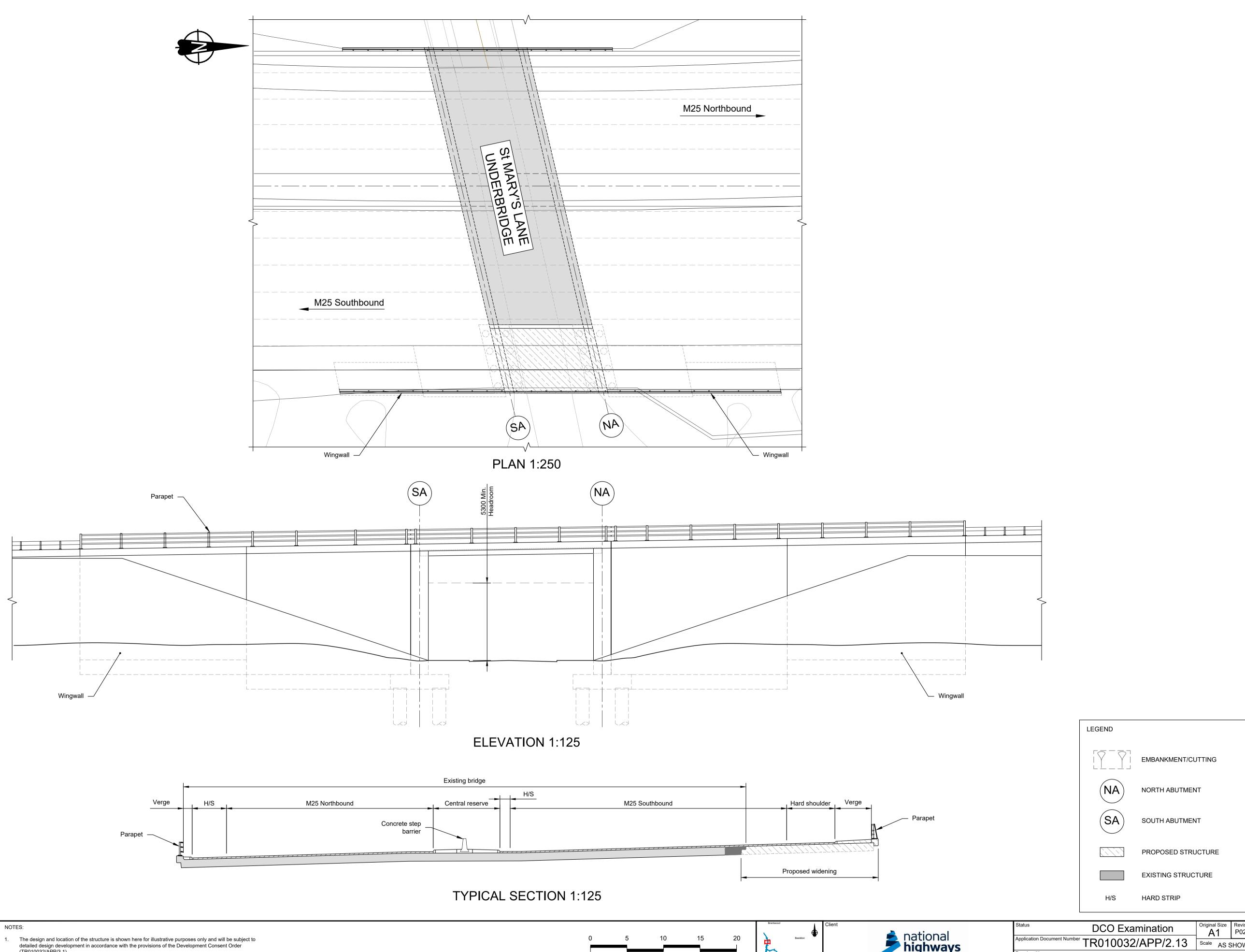
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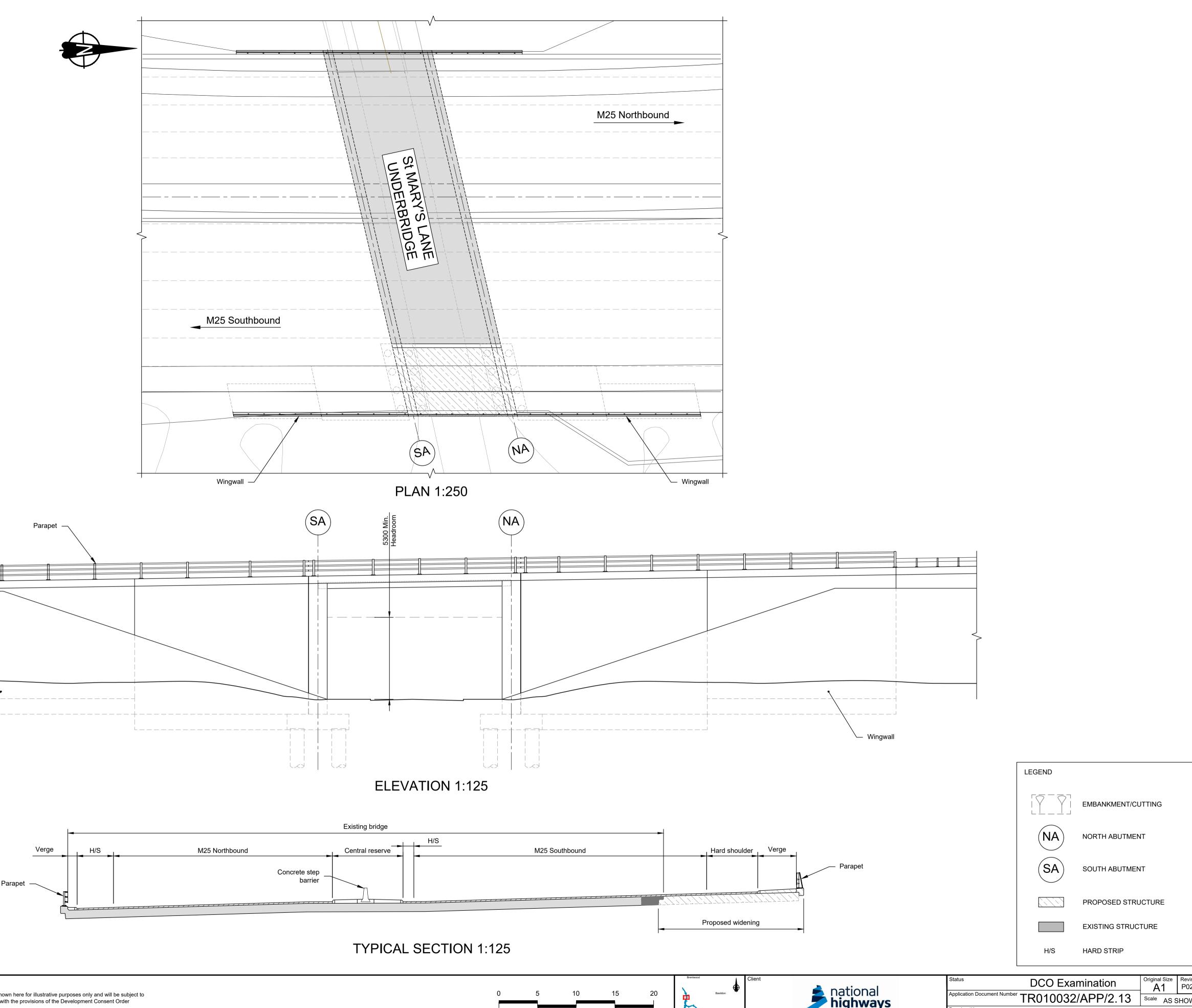
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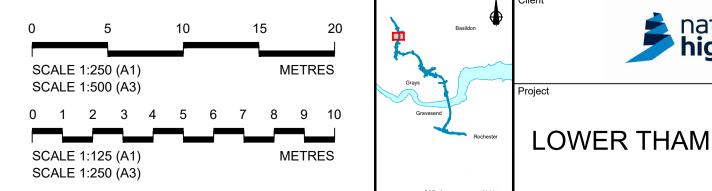
— Wingwall



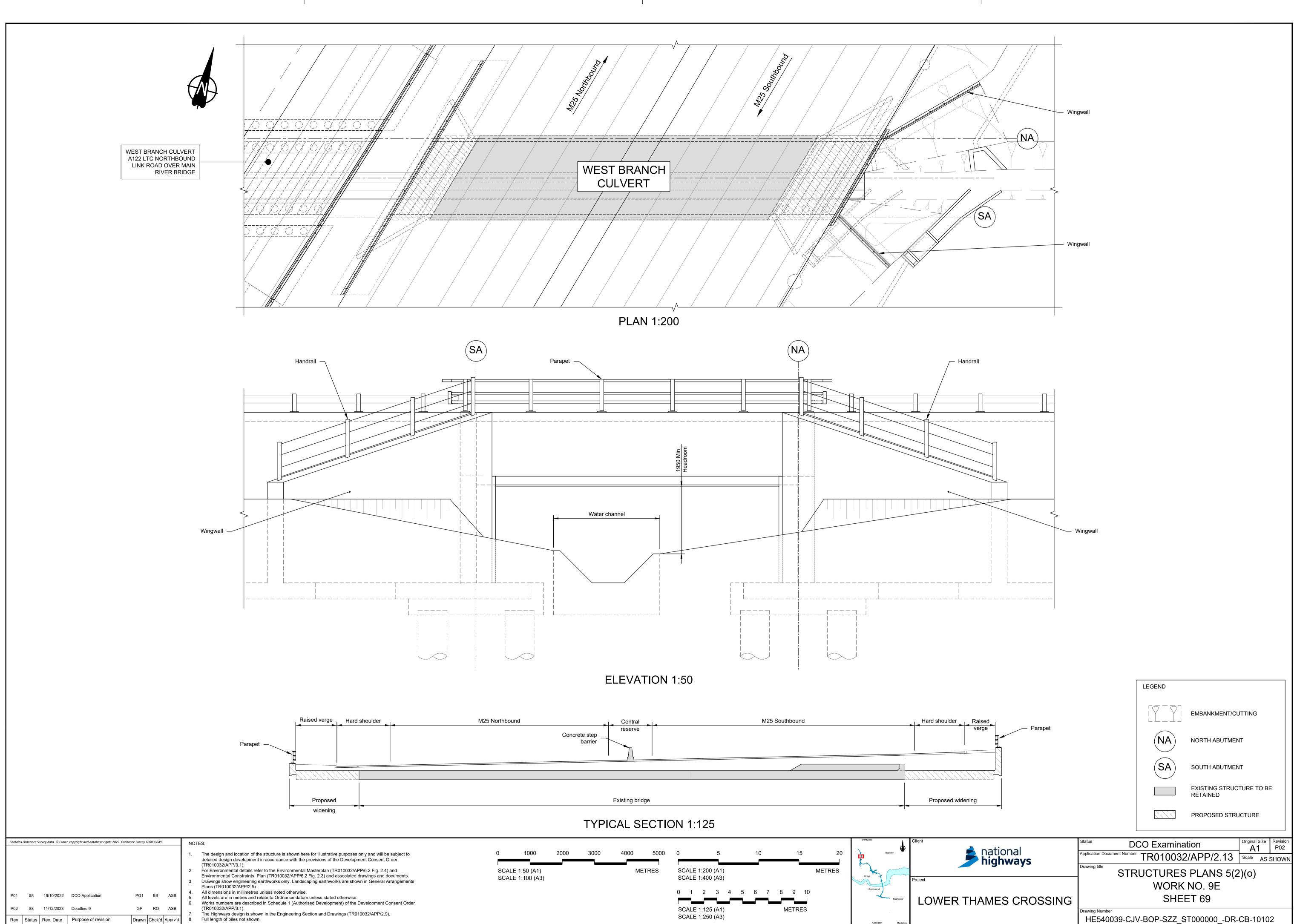




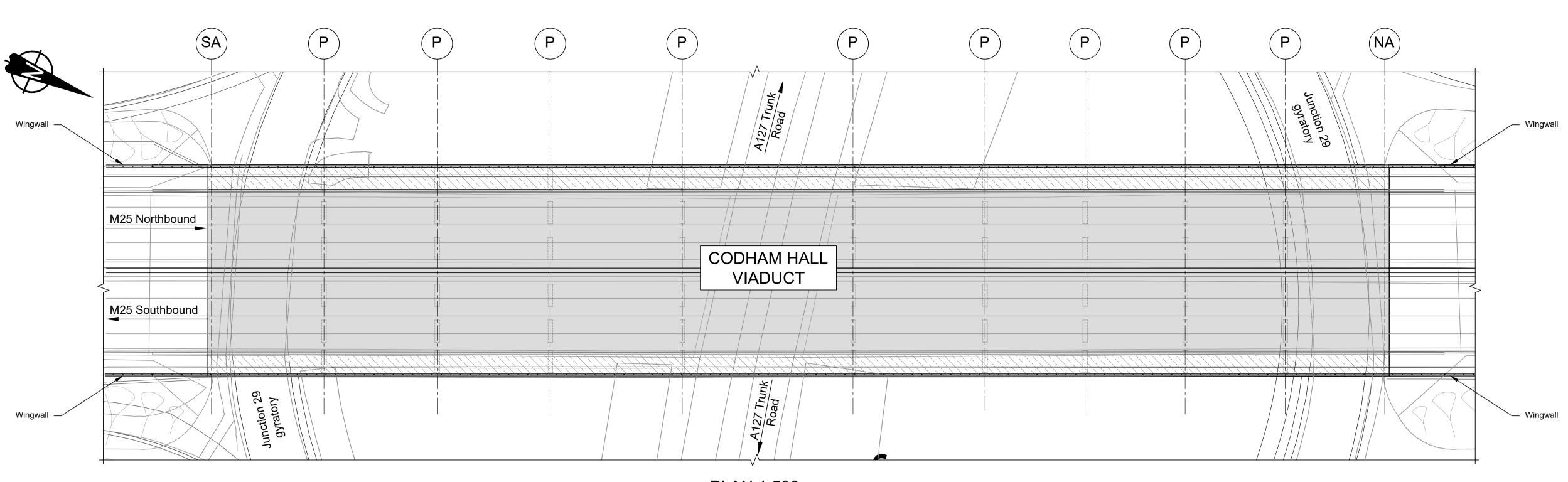
Lontain	s Ordnance S	urvey data. © Crowi	n copyright and database rights 2023. (Ordnance Survey 1	00030649		NOTES:
P01 P02 Rev	S8 S8	19/10/2022 11/12/2023 Rev. Date	DCO Application Deadline 9 Purpose of revision	PG1 GP	BB RO	ASB ASB	 The design and location of the structure is shown here for illustrative purposes only and will be subject to detailed design development in accordance with the provisions of the Development Consent Order (TR010032/APP/3.1). 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.

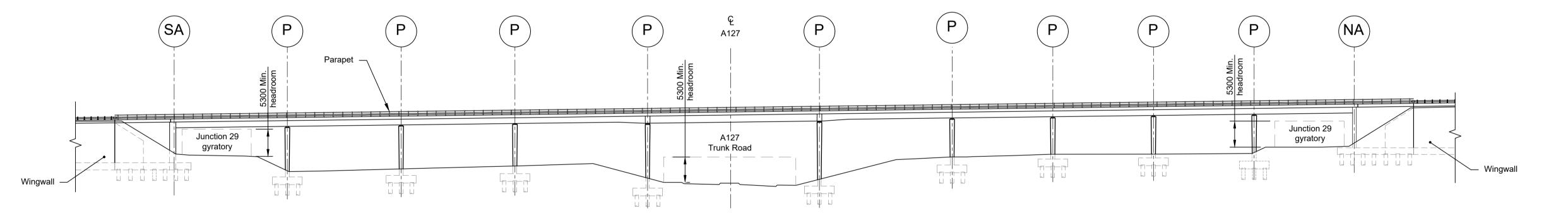


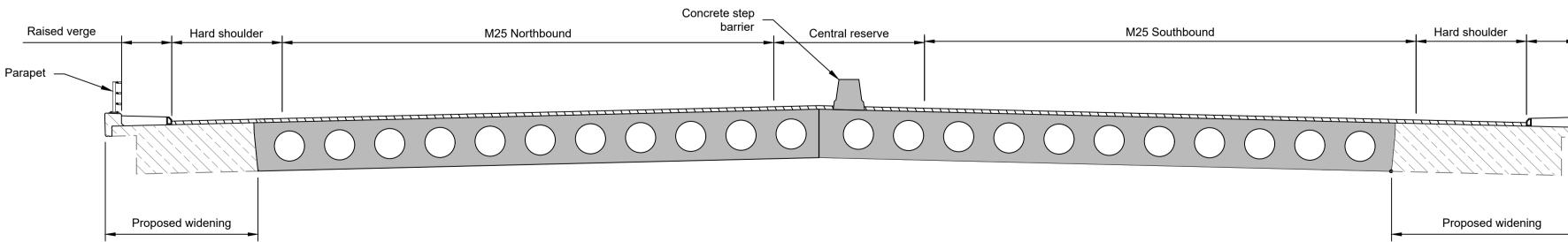
			PROPOSED STRU	JCTURE			
			EXISTING STRUC	TURE			
		H/S	HARD STRIP				
	Status			Original Size	Revision		
ational		DCO Exar	nination	A1	P02		
ational ighways	Application Document Number	['] TR010032/	/APP/2.13		SHOWN		
iigiiways	Drawing title	UCTURES	PLANS 5(2)(0)			
		WORK	· ·				
MES CROSSING	SHEET 68						
	Drawing Number						
	HE540039-CJ\	/-BOP-SZZ_ST	000000DR-0	CB-1010 ⁻	1		
		ŀ	HE540039-CJV-BOP-SZZ_S	T000000DR-CE	3-10101.dwg		



40039-CJV-BOP-SZZ_ST000000_-DR-CB-10102 HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10102.dwg





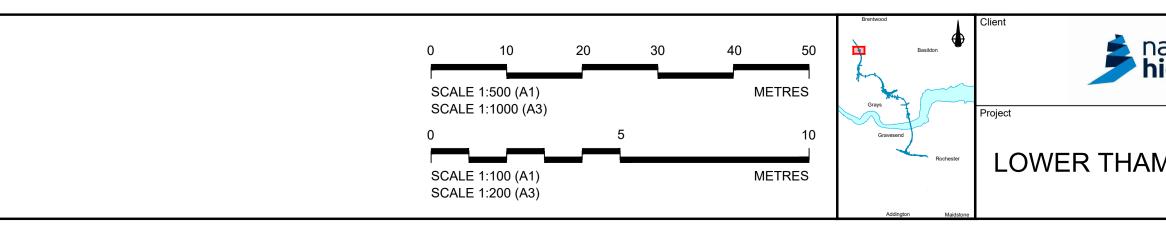


Contains	Ordnance Si	urvey data. © Crowi	n copyright and database rights 2023.	Ordnance Survey 1	00030649		NOT	ES:
							1. 2. 3.	The design and location of the structure is shown here for illustrative purposes only and will be subject to detailed design development in accordance with the provisions of the Development Consent Order (TR010032/APP/3.1). 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).
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB	4. 5.	All dimensions in millimetres unless noted otherwise. All levels are in metres and relate to Ordnance datum unless stated otherwise.
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB	6. 7.	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).
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd	8	Full length of piles not shown.

PLAN 1:500

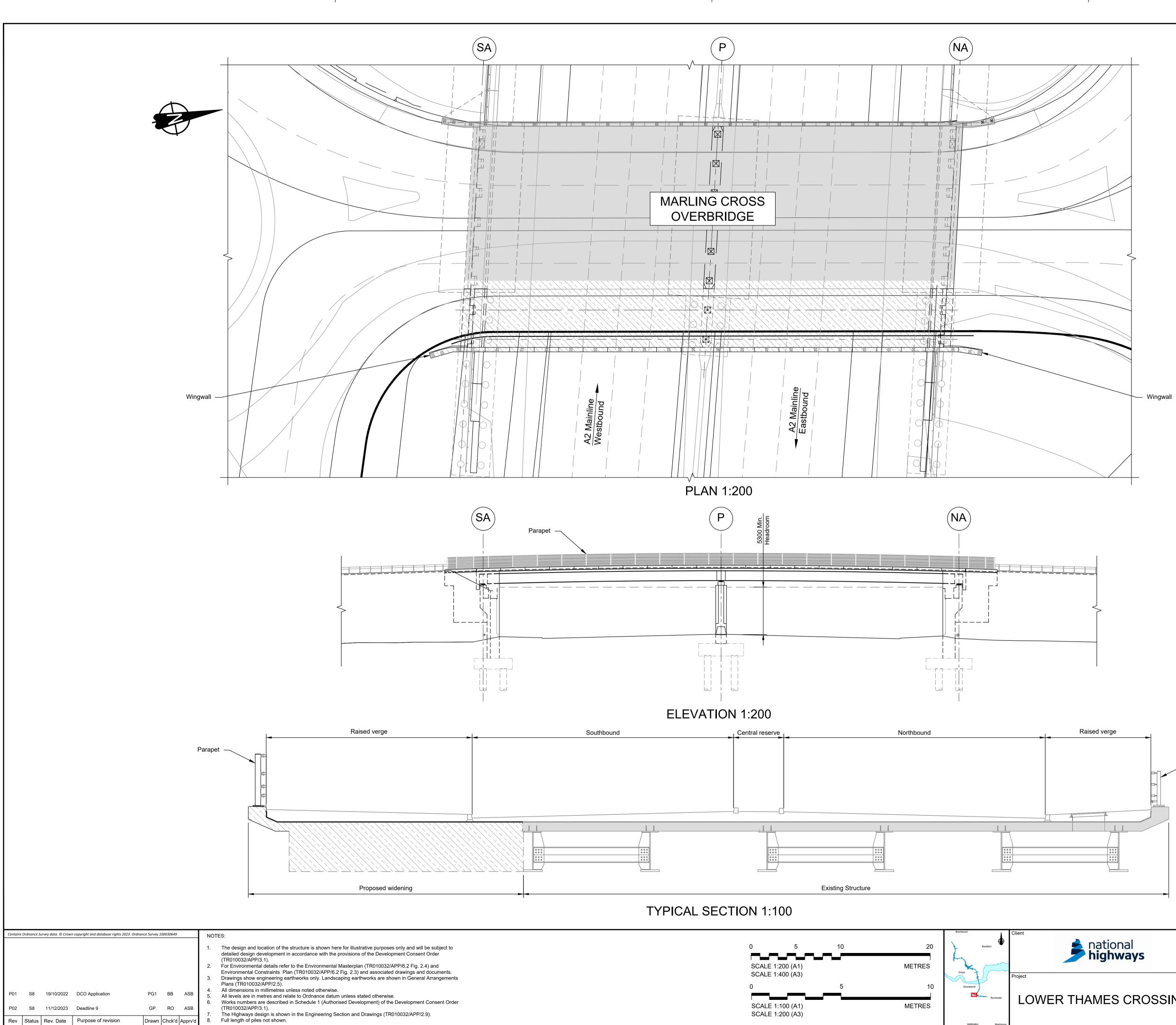
ELEVATION 1:500

TYPICAL SECTION 1:100



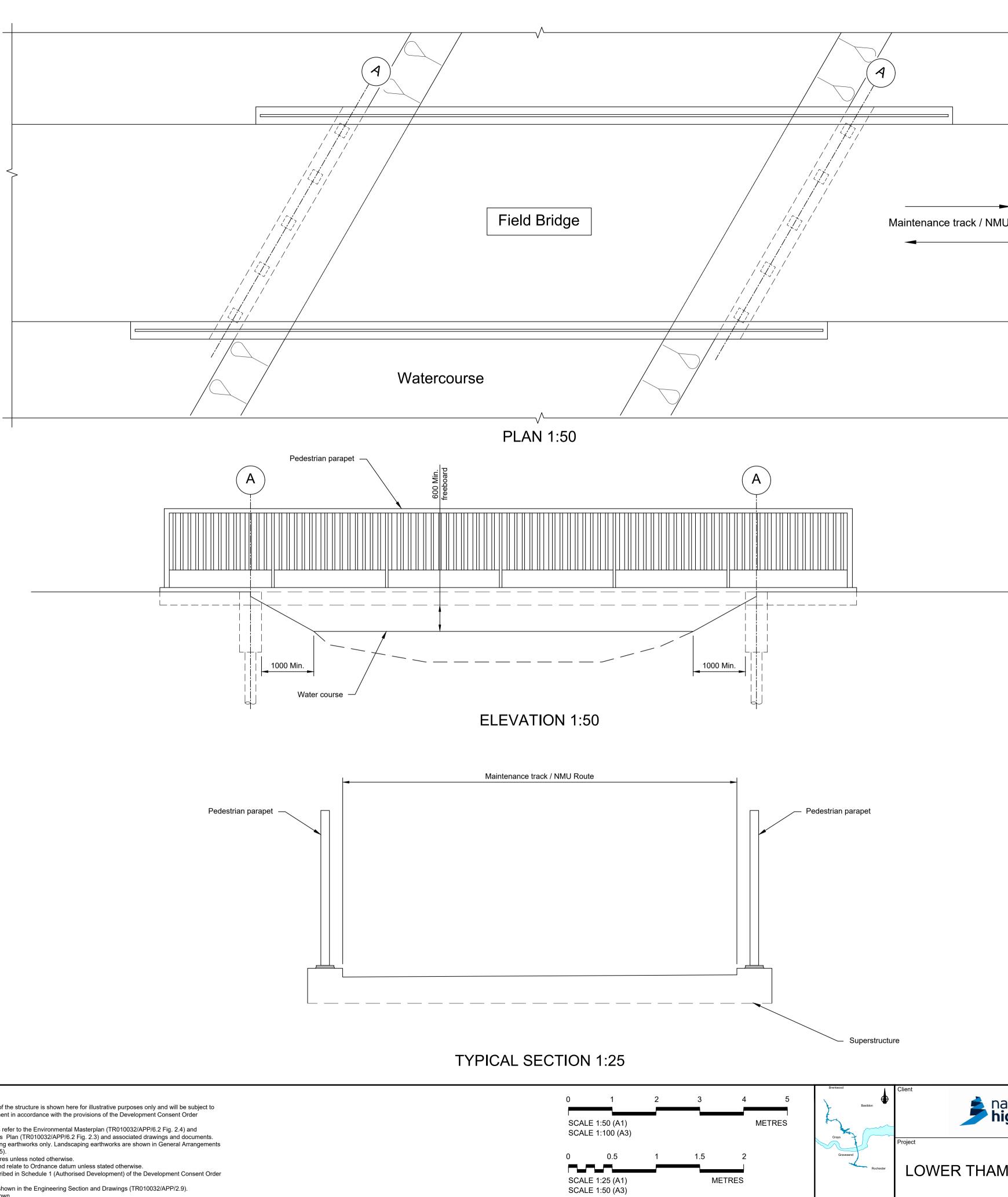
Raised verge			EMBANKMENT/CU	JTTING			
		NA	NORTH ABUTMEN	NT			
		P	PIER				
b		SA	SOUTH ABUTMEN	NT			
			EXISTING STRUC RETAINED	TURE TO BE			
			PROPOSED STRU	JCTURE			
	Status	DCO Exa	mination	Original Size Revision A1 P02			
national nighways	Application Document Numbe	Application Document Number TR010032/APP/2.13					
iigiiways	Drawing title		PLANS 5(2	?)(o)			
		WORK	•				
MES CROSSING	i	SHEET 70					
	Drawing Number HE540039-CJ	/-BOP-SZZ_S ⁻	T000000DR-0	CB-10103			
			HE540039-CJV-BOP-SZZ_S	T000000DR-CB-10103.dwg			

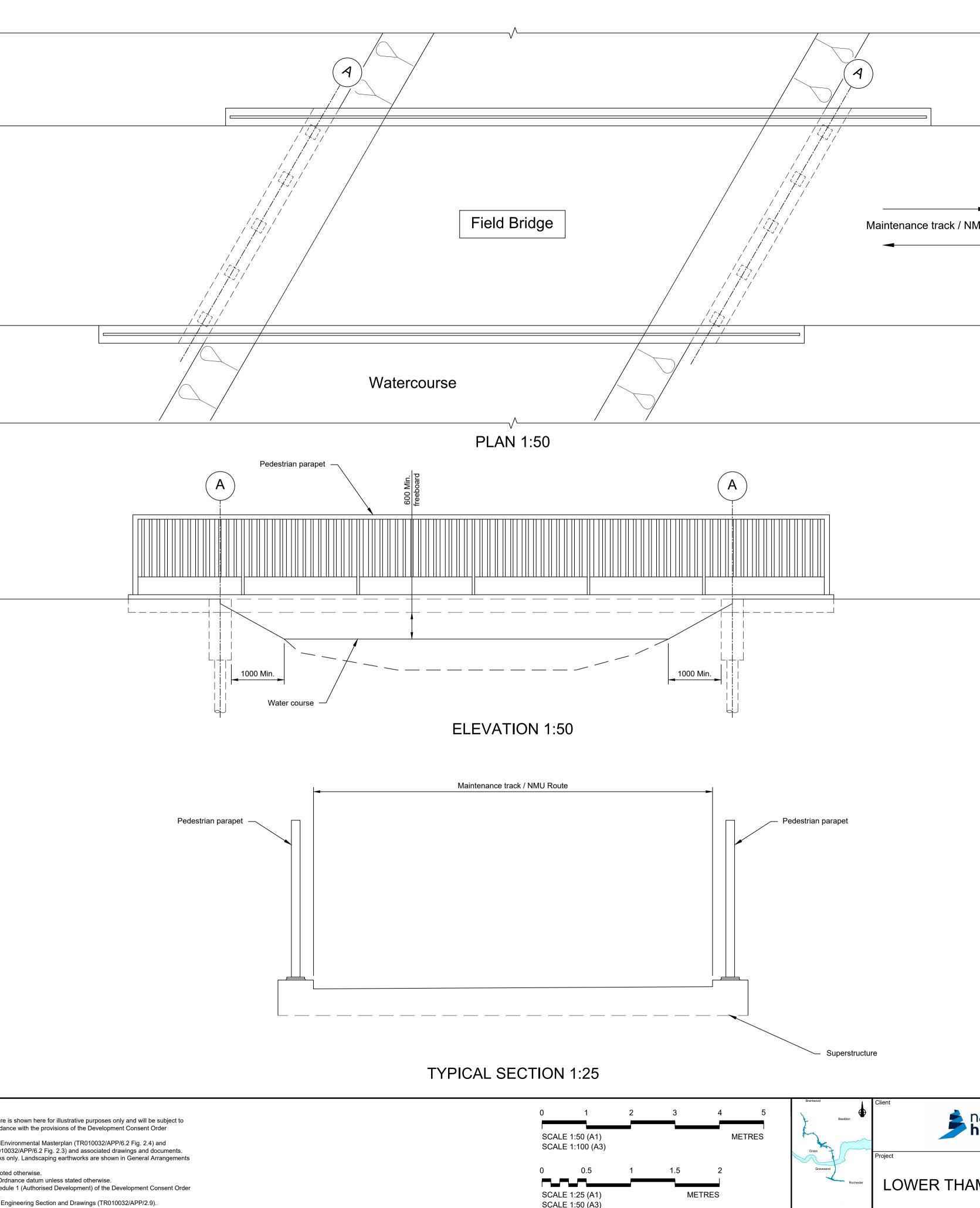
LEGEND



		SA	SOUTH ABUTMEN	іт
			EXISTING STRUC RETAINED	TURE TO BE
			PROPOSED STRU	ICTURE
a ti a mal	Status	DCO Exar	mination	Original Size Revision A1 P02
ational ighways	Application Document Number •	TR010032	/APP/2.13	Scale AS SHOWN
iginiays	Drawing title	JCTURES	PLANS 5(2)(0)
		WORK	· ·	/ /
MES CROSSING		SHEE	T 71	
	Drawing Number HE540039-CJV-	-BOP-SZZ_ST	000000DR-0	CB-10104
			HE540039-CJV-BOP-SZZ_S	T000000DR-CB-10104.dwg

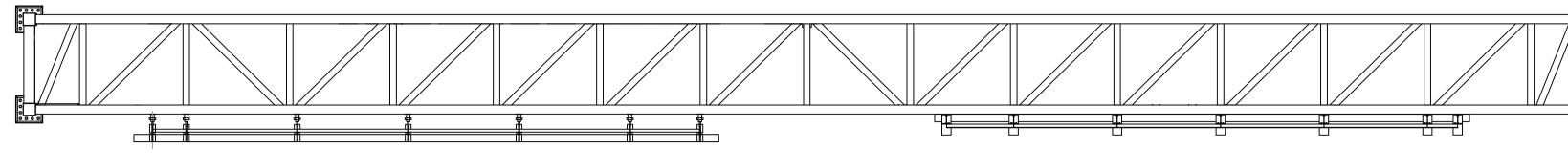
	Г				
ed verge		LEGEND			
	Parapet		EMBANKMENT/CU	JTTING	
		NA	NORTH ABUTMEN	ΙT	
		P	PIER		
		SA	SOUTH ABUTMEN	ΙT	
			EXISTING STRUC RETAINED	TURE TO BE	
'			PROPOSED STRU	ICTURE	
ational	Status	DCO Exar		Original Size	Revision P02
national nighways	Application Document Number	TR010032/	/APP/2.13		HOWN

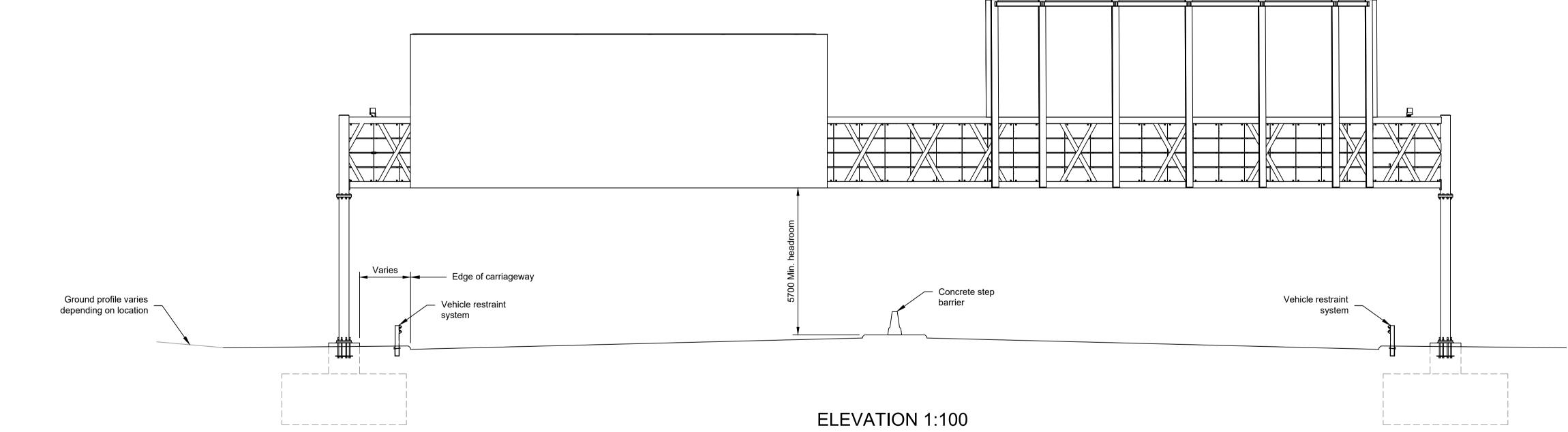




Contain	s Ordnance S	urvey data. © Crowi	n copyright and database rights 2023. Or	rdnance Survey 2	100030649		NOTES:
							 The design and location of the structure is shown here for illustrative purposes only and will be subject to detailed design development in accordance with the provisions of the Development Consent Order (TR010032/APP/3.1). 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).
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB	 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
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB	 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).
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd	8. Full length of piles not shown.

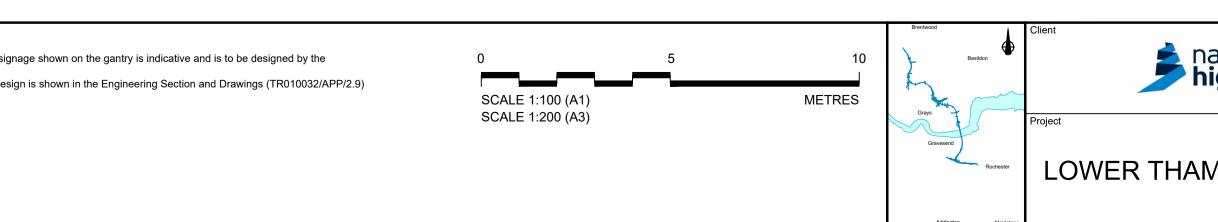
U Route	
	A ABUTMENT
ational ighways	Status DCO Examination Original Size A1 Revision P02 Application Document Number TR010032/APP/2.13 Scale AS SHOWN Drawing title STRUCTURES PLANS 5(2)(0) TXDICAL FIELD RRIDGE
MES CROSSING	G TYPICAL FIELD BRIDGE SHEET 72 Drawing Number HE540039-CJV-BOP-SZZ_ST000000DR-CB-10150 HE540039-CJV-BOP-SZZ_ST000000DR-CB-10150.dwg
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P01 P02 Rev	S8 S8 Status	19/10/2022 11/12/2023 Rev. Date	DCO Application Deadline 9 Purpose of revision	PG1 GP Drawn	BB RO Chck'd	ASB ASB Apprv'd	 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). 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. 	8. 9.	Equipment and sign Contractor. The Highways desig

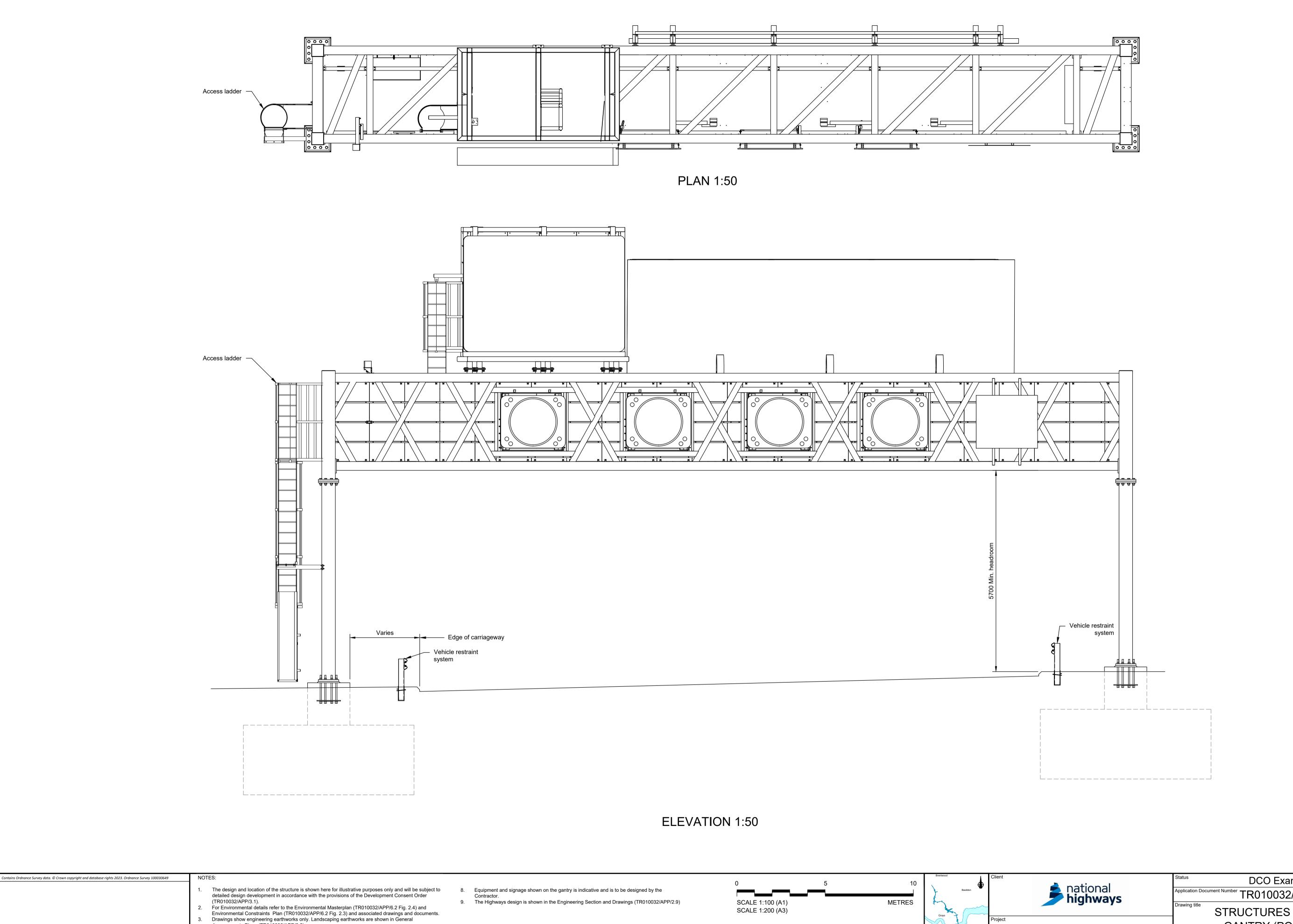






ational	Status DCO Examination	Original Size	Revision P02
national nighways	Application Document Number TR010032/APP/2.13	Scale AS S	SHOWN
	Drawing title STRUCTURES PLANS 5(2)(0)	
	GANTRY (SUPER PORTAL 1	YPE)	
MES CROSSING	SHEET 73	-	
	Drawing Number HE540039-CJV-BOP-SZZ_ST000000DR-0	CB-1015 ⁻	1

HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10151.dwg



				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.
PC	3 1	BB	ASB	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
G	Р	RO	ASB		Consent Order (TR010032/APP/3.1).
0		1.0	1.00	-	Description of the second se

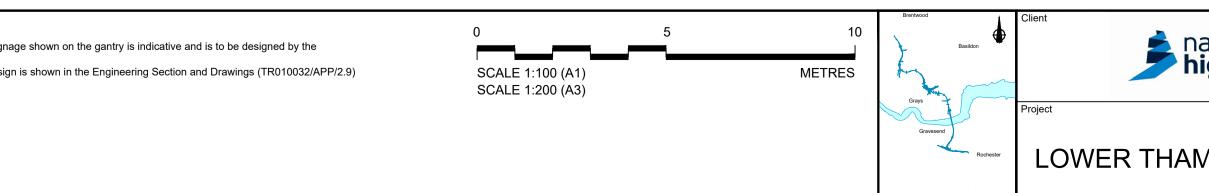
Consent Order (TR010032/APP/3.1). Drawing represents a typical indicative detail for this gantry type. The information on this drawing should not be considered representative of the proposals at a particular gantry location.

Drawn Chck'd Apprv'd

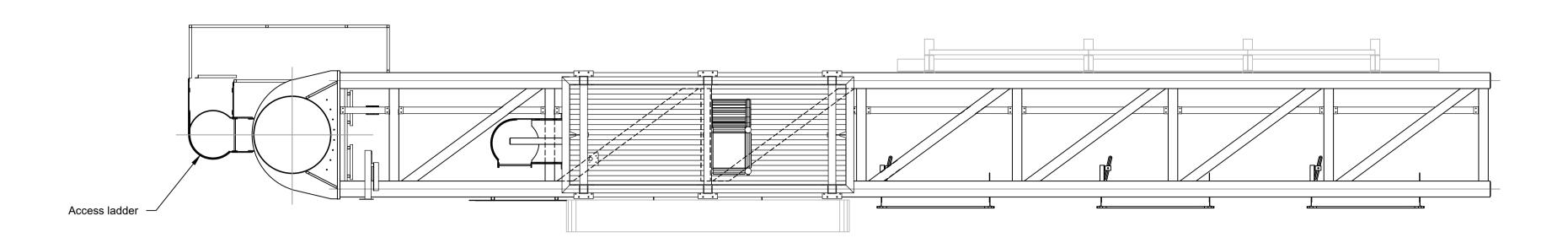
P01 S8 19/10/2022 DCO Application

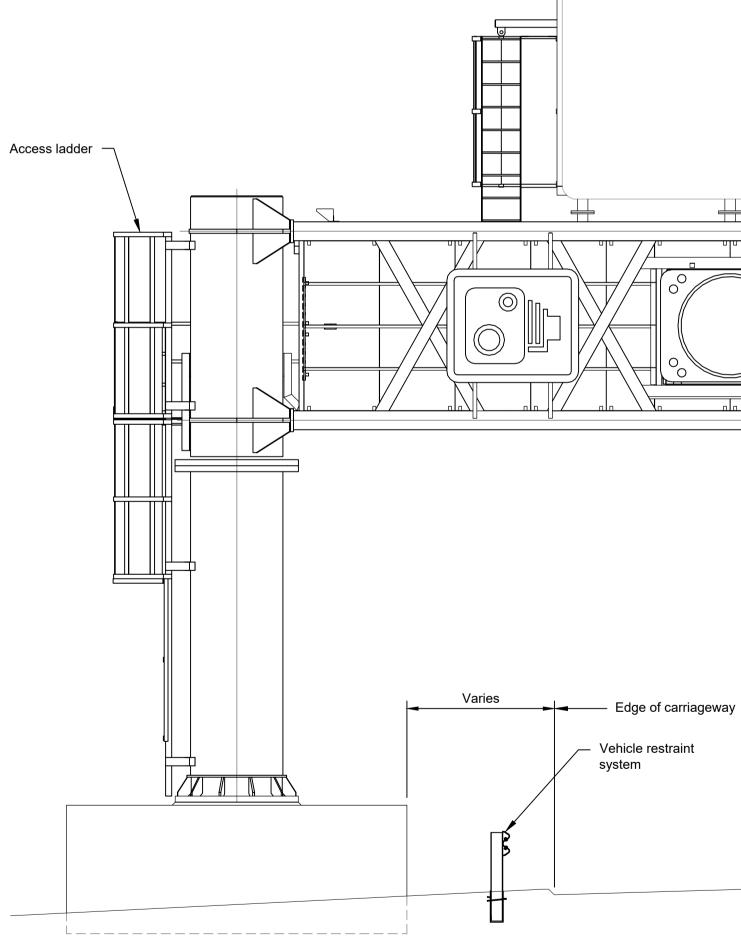
Rev Status Rev. Date Purpose of revision

P02 S8 11/12/2023 Deadline 9



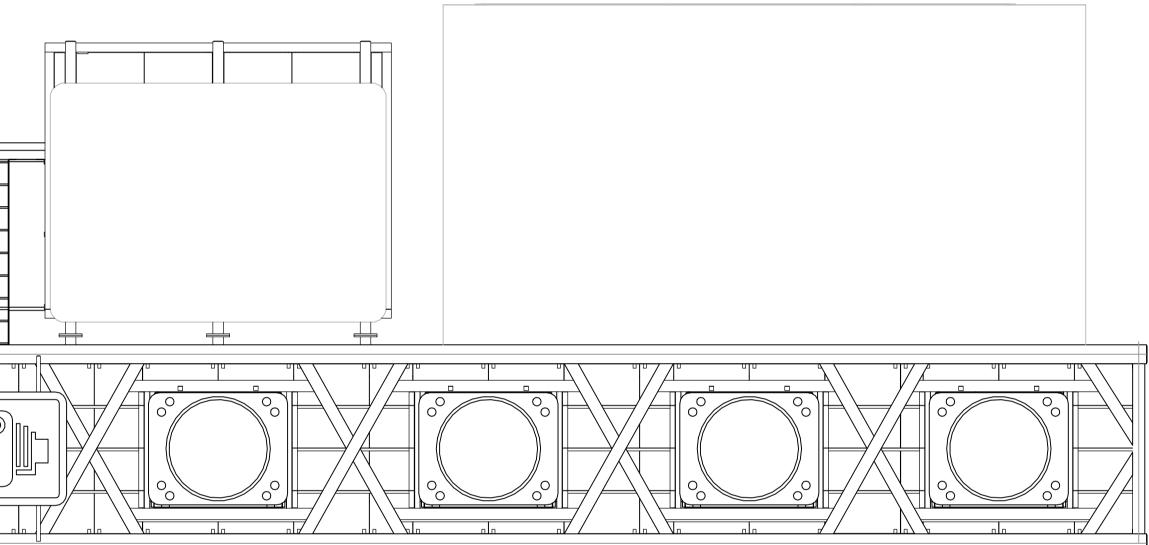
ational	Status DCO Examination	Original Size	Revision P02				
national highways	Application Document Number TR010032/APP/2.13	Scale AS S	SHOWN				
	Drawing title STRUCTURES PLANS 5(2)(0)						
	GANTRY (PORTAL TYPE)						
MES CROSSING	SHEET 74						
	Drawing Number HE540039-CJV-BOP-SZZ_ST000000DR-0	CB-10152	2				



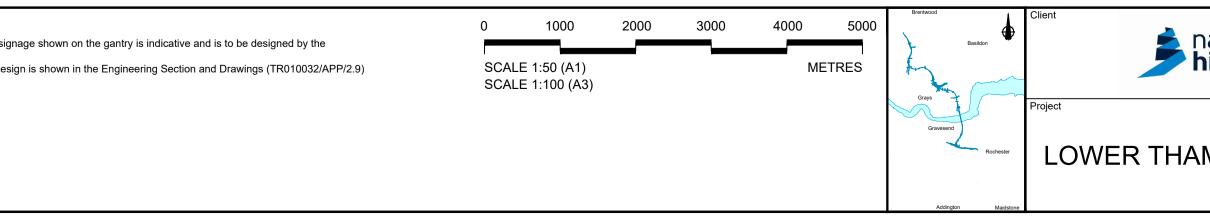


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P01 P02 Rev	S8 S8 Status	19/10/2022 11/12/2023 Rev. Date	DCO Application Deadline 9 Purpose of revision	PG1 GP Drawn	BB RO Chck'd	ASB ASB Apprv'd	 The design and location of the structure is shown here for illustrative purposes only and will be subject to detailed design development in accordance with the provisions of the Development Consent Order (TR010032/APP/3.1). 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. 	8. 9.	Equipment and sign Contractor. The Highways desig





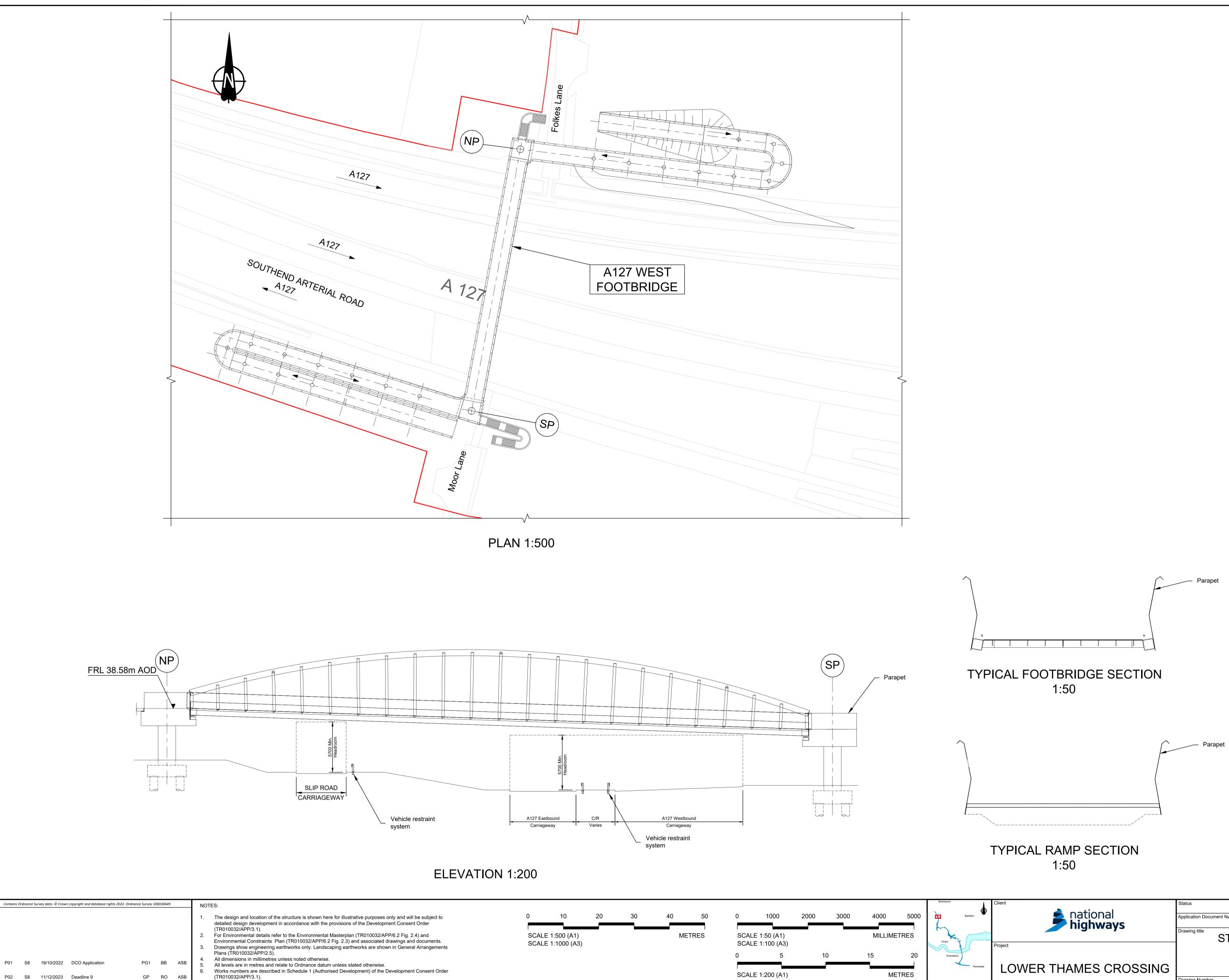
FRONT ELEVATION 1:50



headroom
Min
5700

national	Status DCO Examination	Original Size	Revision P02					
national highways	Application Document Number TR010032/APP/2.13		HOWN					
	Drawing title STRUCTURES PLANS 5(2)(0)							
	GANTRY (CANTILEVER TYPE)							
MES CROSSING	SHEET 75							
	Drawing Number HE540039-CJV-BOP-SZZ_ST000000DR-0	CB-10153	3					

HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10153.dwg



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

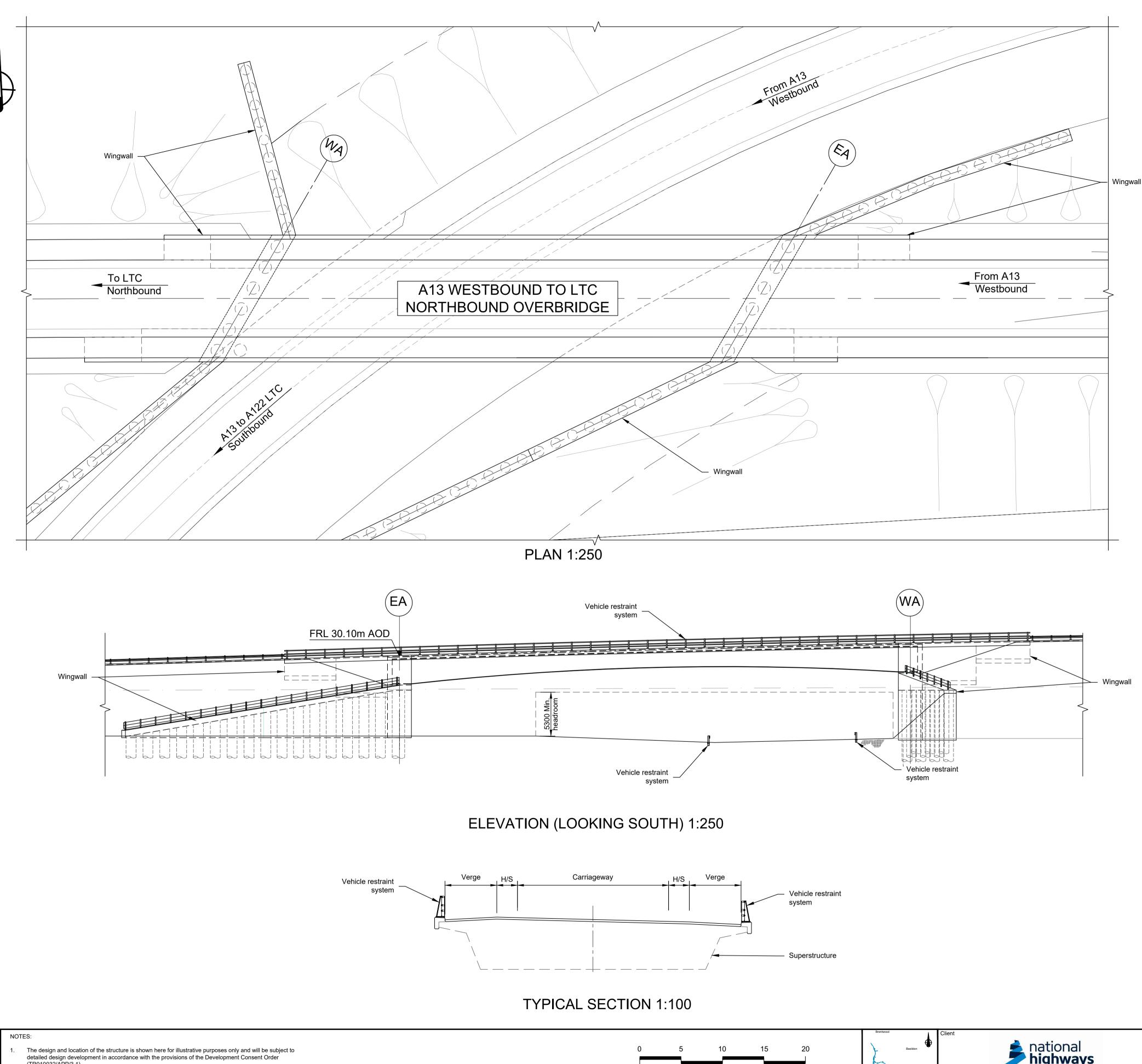
Drawn Chck'd Apprv'd

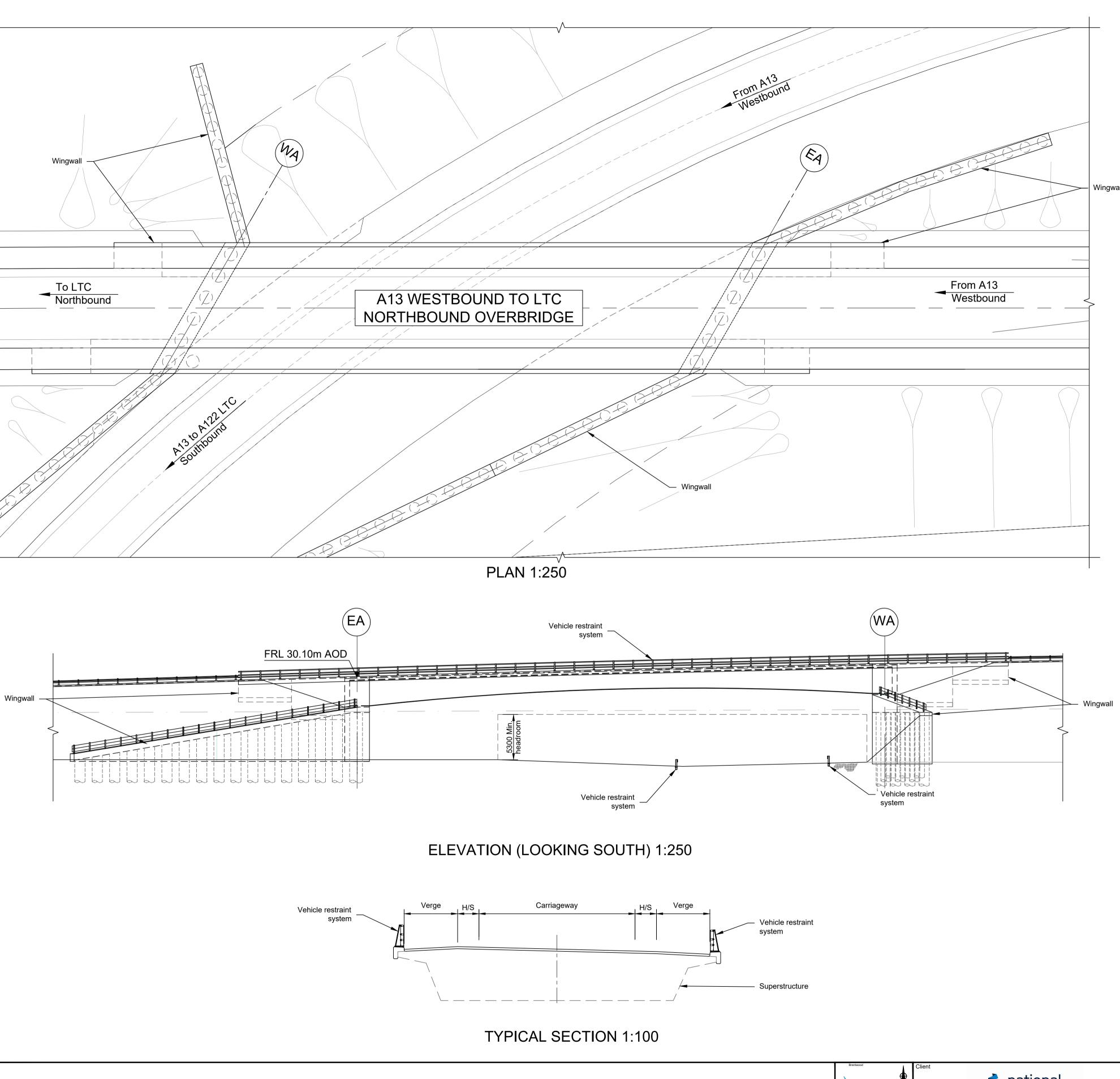
Rev Status Rev. Date Purpose of revision

			Brentwood	Client	Status Original Size Revision DCO Examination A1 P02
0 10 20 3	30 40 50	0 1000 2000 3000	4000 5000	Basilon This is a straight and the strai	Application Document Number TR010032/APP/2.13
SCALE 1:500 (A1) SCALE 1:1000 (A3)	METRES	SCALE 1:50 (A1) SCALE 1:100 (A3)	MILLIMETRES	Project	Drawing title STRUCTURES PLANS 5(2)(0)
		0 5 10	15 20 Gravesend		WORK NO. 9Y
		SCALE 1:200 (A1)	METRES	Contract LOWER THAMES CROSSING	SHEET 76
		SCALE 1:400 (A1)	METRES		Drawing Number HE540039-CJV-BOP-SZZ ST000000 -DR-CB-10155
			Addington	Maldstone	HE540039-CJV-DOF-SZZ_ST000000DIX-CD-10155.dwg

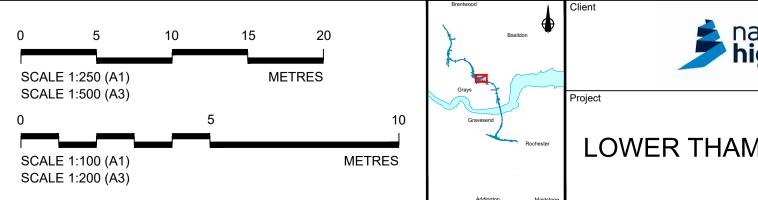


LEGEND





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							1. 2.	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). 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.
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB	3.	Drawings show engineering earthworks only. Landscaping earthworks are shown in General Arrangements Plans (TR010032/APP/2.5).
P02	S8	18/07/2023	Deadline 1	GP	BB	ASB	4. 5. 6.	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
P03	S8	11/12/2023	Deadline 9	GP	RO	ASB	0. 7.	(TR010032/APP/3.1). The Highways design is shown in the Engineering Section and Drawings (TR010032/APP/2.9).
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd	8.	Full length of piles not shown.



	2211

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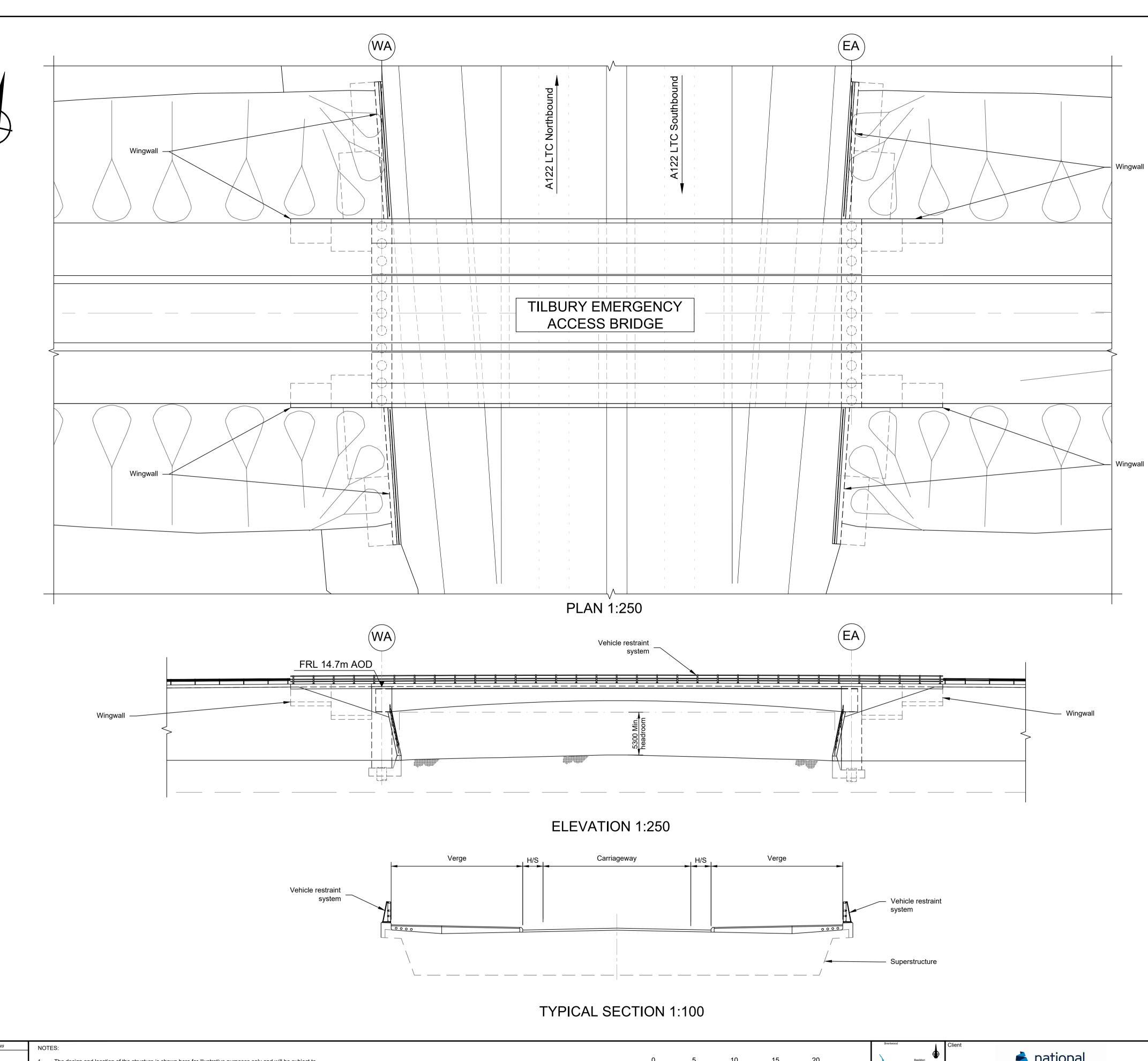
EMBANKMENT/CUTTING

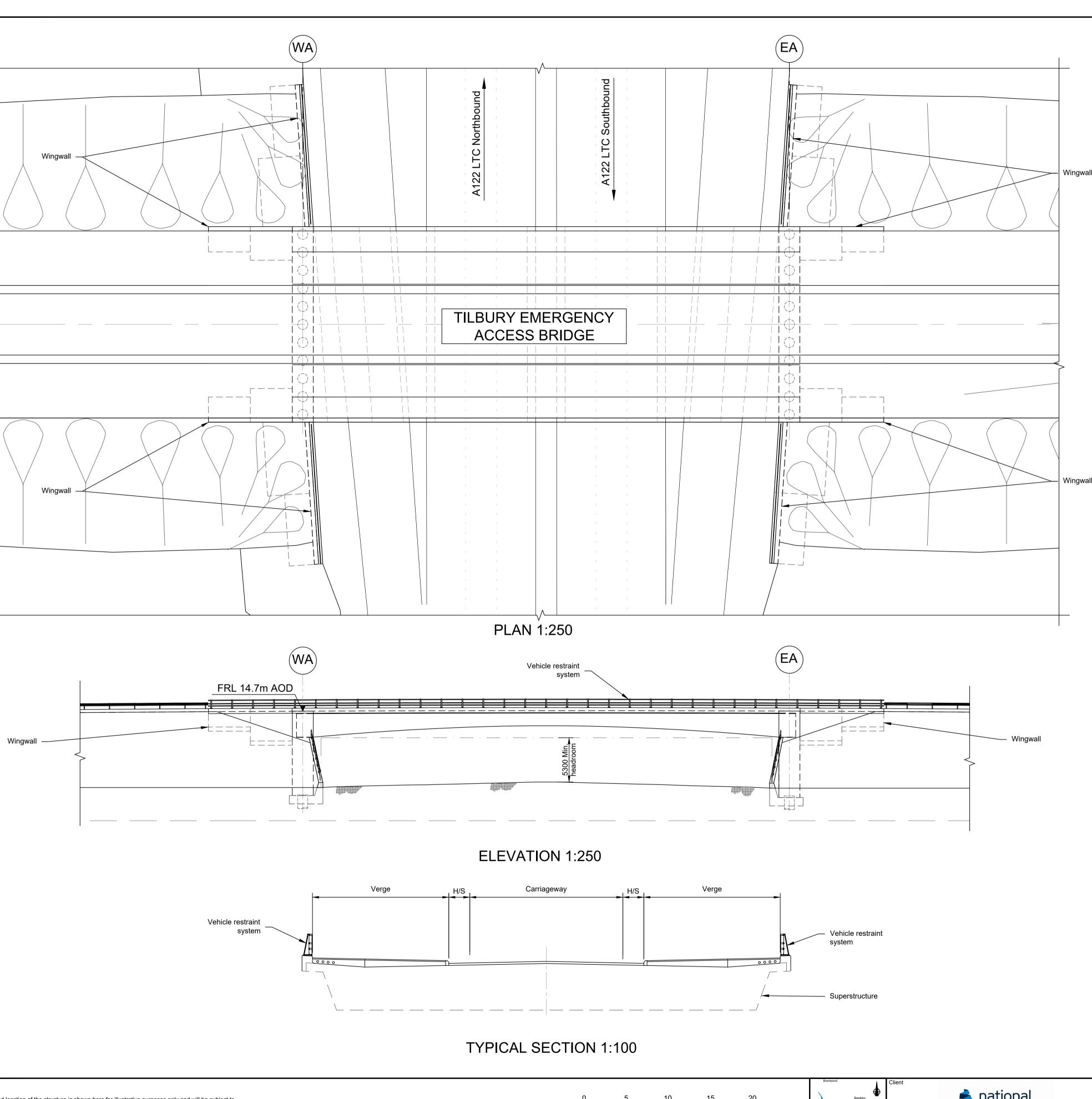
WEST ABUTMENT

		EA	EAST ABUTMEN	Т			
		H/S	HARDSTRIP				
		FRL	FINISHED ROAD	LEVEL			
ational	Status	DCO Exam	nination	Original Size	Revision P03		
ighways	Application Document Number	TR010032//	APP/2.13	Scale AS S	SHOWN		
iginiays	Drawing title	UCTURES F	PLANS 5(2)(0)			
	WORK NO. 7E						
MES CROSSING		SHEE	Т 77				
	Drawing Number HE540039-CJ\	/-BOP-SZZ_ST	000000DR-0	CB-1015	6		

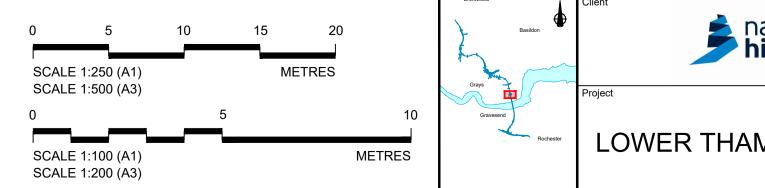
LEGEND

(WA)





Contains	Contains Ordnance Survey data. © Crown copyright and database rights 2023. Ordnance Survey 100030649							is:
							2. 3.	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). 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.
P01	S8	19/10/2022	DCO Application	PG1	BB	ASB		All levels are in metres and relate to Ordnance datum unless stated otherwise.
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB	6. 7.	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).
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd	8.	Full length of piles not shown.



MES	CROSSING	

HE540039-CJV-BOP-SZZ_ST000000_-DR-CB-10157.dwg

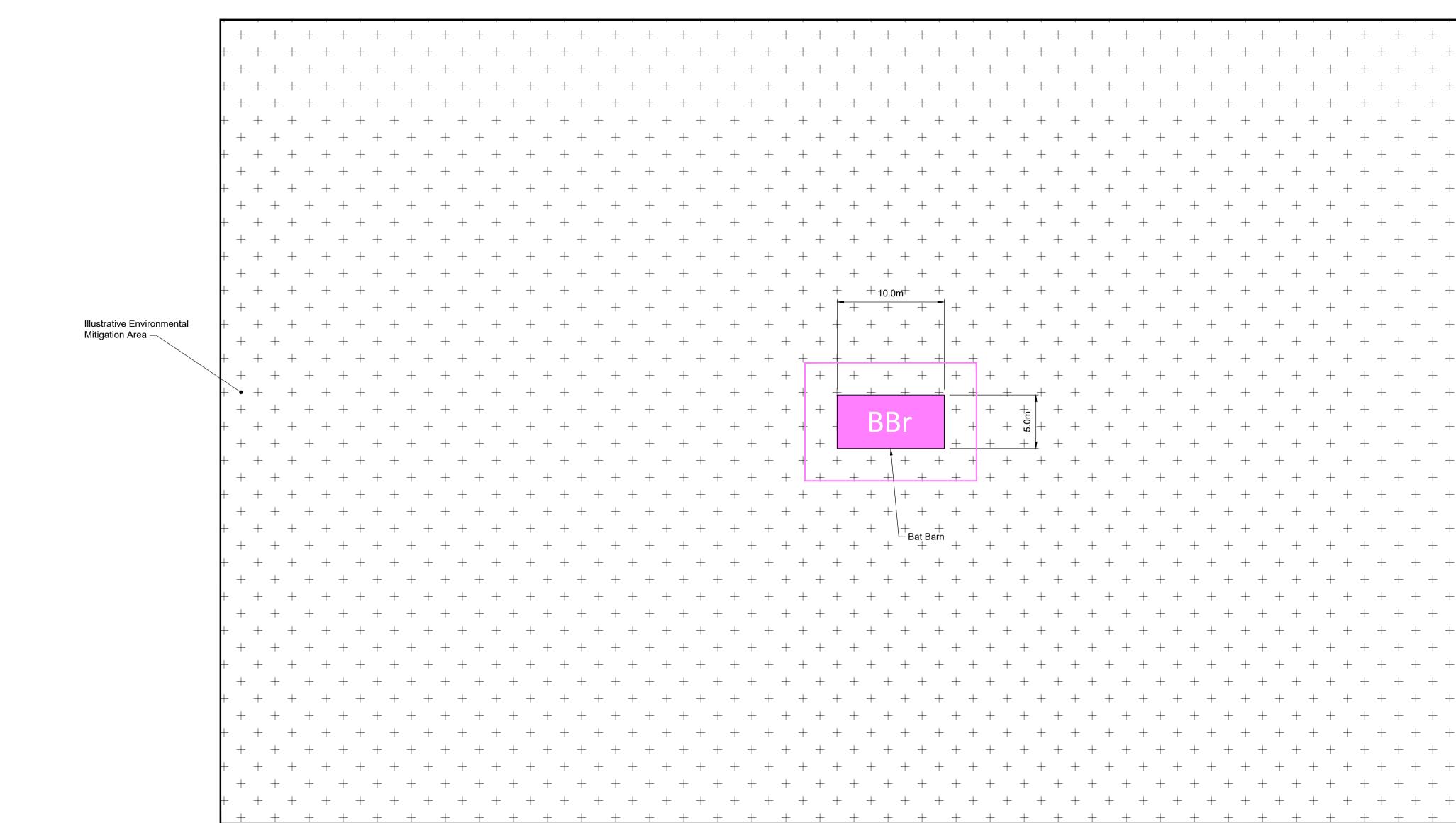
EMBANKMENT/CUTTING

WEST ABUTMENT

		EA	EAST ABUTMEN	IT	
		H/S FRL	HARDSTRIP FINISHED ROAD) LEVEL	
national nighways	Status Application Document Number	DCO Exam TR010032/		Original Size A1 Scale AS S	Revision P02 SHOWN
MES CROSSING	Drawing title STR	UCTURES I WORK N SHEE	O. 5E)(0)	
	Drawing Number HE540039-CJ√	/-BOP-SZZ_ST	000000DR-(CB-1015	7

LEGEND

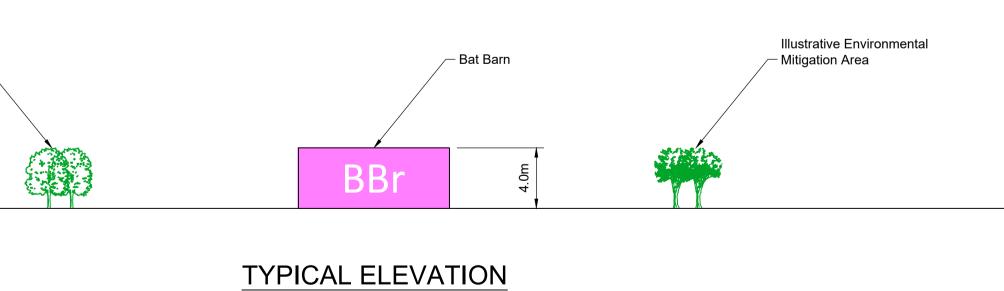
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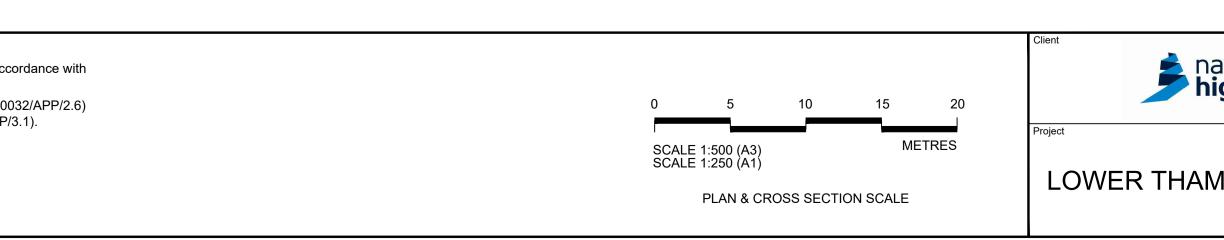


Illustrative Environmental Mitigation Area –

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							 The design of the structure is shown here for illustrative purposes only and will be subject to detailed design in acc the provisions of the Development Consent Order (application document reference TR010032/APP/3.1).
							Works numbers and location of bat barns are shown in the Works Plans (application document reference TR0110 and described in Schedule 1 of the Development Consent Order (application document reference TR010032/APP)
							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	Chck'd	Apprv'd	

TYPICAL PLAN





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ational	Status DCO Examination	Original Size	Revision P02			
national nighways	Application Document Number TR010032/APP/2.13		SHOWN			
iginays	Drawing title STRUCTURES PLANS 5(2)(0)					
	TYPICAL BAT BARN					
MES CROSSING	SHEET 79					
	Drawing Number HE540039-CJV-BOP-SZA_RX000000DR-CH-10721					

10039-CJV-BOP-SZA_RX000000_-DR-CH-10721 HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10721.dwt ____

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