

Lower Thames Crossing

2.9 Engineering Drawings and Sections

Volume F (A13 junction plan and profiles) (Clean version)

APFP Regulation 5(2)(o) and 6(2)

Infrastructure Planning (Applications:
Prescribed Forms and Procedure)
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Volume 2

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3.0	11 December 2023	Deadline 9

Lower Thames Crossing

2.9 Engineering Drawings and Sections Volume F (A13 junction plan and profiles) (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 6(2) of the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 (the 2009 Regulations), which require:
- a. *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.*
 - b. *6(2) If the application is for highway related development or for the construction or alteration of a railway, it must be accompanied by section drawings to suitable horizontal and vertical scales, which show, by reference to Ordnance Survey or Chart datum:*
 - c. *the levels of the proposed works, including in particular and where relevant:*
 - i. *ground levels;*
 - ii. *the height of every proposed bridge, viaduct, aqueduct, embankment and elevated guideway;*
 - iii. *the depth of every proposed cutting and tunnel;*
 - iv. *the levels of the bed of any tidal waters or inland waterway in which it is proposed that any works should be situated;*
 - v. *the height of every structure or device (including a cable, but not catenary and related equipment) intended to be erected above, on or below the surface of, or on or beneath the bed of tidal waters or an inland waterway; and*
 - vi. *drainage outfall details for highways;*

- 1.1.4 The purpose of the Engineering Drawings and Sections Plans is to show the key features of the Project for which development consent is sought. The set shows details of the proposed road plan and longitudinal profile including the ground levels, the height of certain structures and embankments, the depth of proposed cuttings and tunnel, and the indicative location and level of drainage outfall features.
- 1.1.6 For each section, the Applicant has provided a key plan of the corresponding geographical area that provides the sheet number and a description of the associated road works to help with its identification within the set. It is important to note that the plans are numbered in each of the aforementioned sections and that the numbering system does not apply to the set as whole.
- 1.1.7 The key plans 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 in a single sheet plan. The scales in the key plans vary from 1:50000 to 1:5000. The remaining sheets in the set containing the plan and profiles and the cross sections have been prepared at a horizontal scale of 1:2500 and a vertical scale of 1:250.
- 1.1.8 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). Article 6 of the draft Order should also be referred to as it provides the reference points for the application of the upwards and downwards vertical limits of deviation applicable to the elements of the works.
- 1.1.9 Numbered works shown in the Engineering Drawings and Sections Plans are consistent with the information presented in the Works Plans (Application Document 2.6) and Schedule 1 of the draft Order (Application Document 3.1). Further details of the proposed bridges and tunnel structures are provided in the Structures Plans (Application Document 2.13).
- 1.1.10 The information shown on the plans is commensurate with the preliminary design status of the Project. 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).
- 1.1.11 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).
- 1.1.12 The Engineering Drawings and Sections show the Order Limits. 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 Document 3.1)).
- 1.1.13 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 eight volumes:

- a. Volume A contains the A122 Lower Thames Crossing Plan and Profiles;
 - b. Volume B contains the A122 Lower Thames Crossing Cross Sections;
 - c. Volume C contains the A2/M2 Plan and Profiles and A2 Mainline Plan and Profiles;
 - d. Volume D contains the A122 Lower Thames Crossing/A2 Junction Plan and Profiles;
 - e. Volume E contains the South Portal Plan and Profiles and Tilbury Plan and Profiles;
 - f. Volume F contains the A13 Junction Plan and Profile;
 - g. Volume G contains the A122 Lower Thames Crossing/M25 Junction Plan; and
 - h. Volume H contains the Overhead Diversion Route and Pylon general arrangements.
- 1.1.14 These plans have been updated at Deadline 1 to address minor drafting inaccuracies.
- 1.1.15 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

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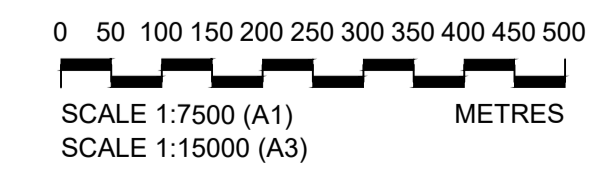
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P02	S8	11/12/2023	Deadline 9	GP	RO	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

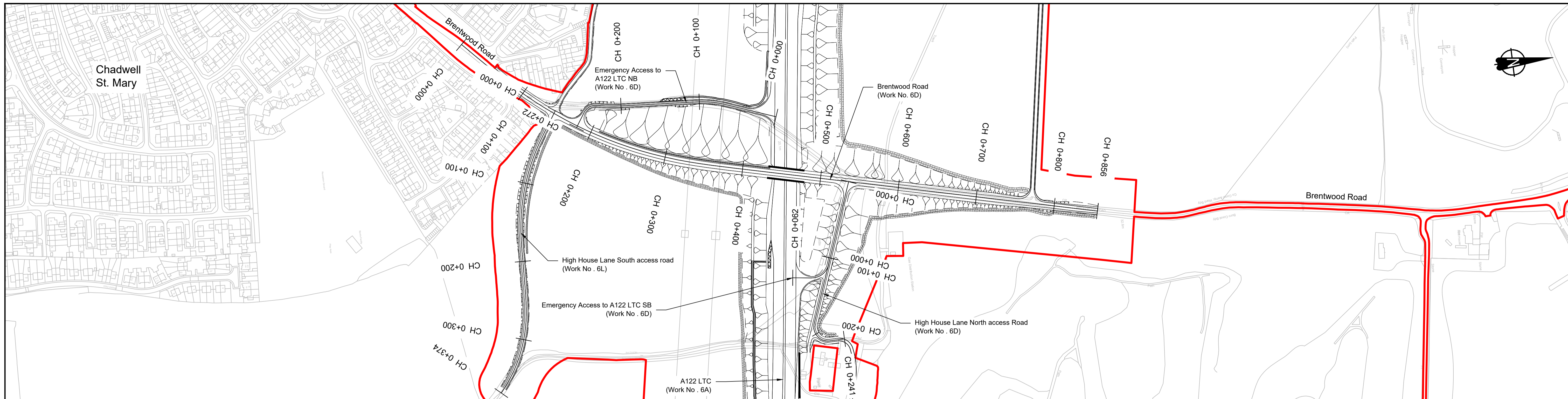
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 Proposed Route
 Order Limits
 Local Authority Boundary



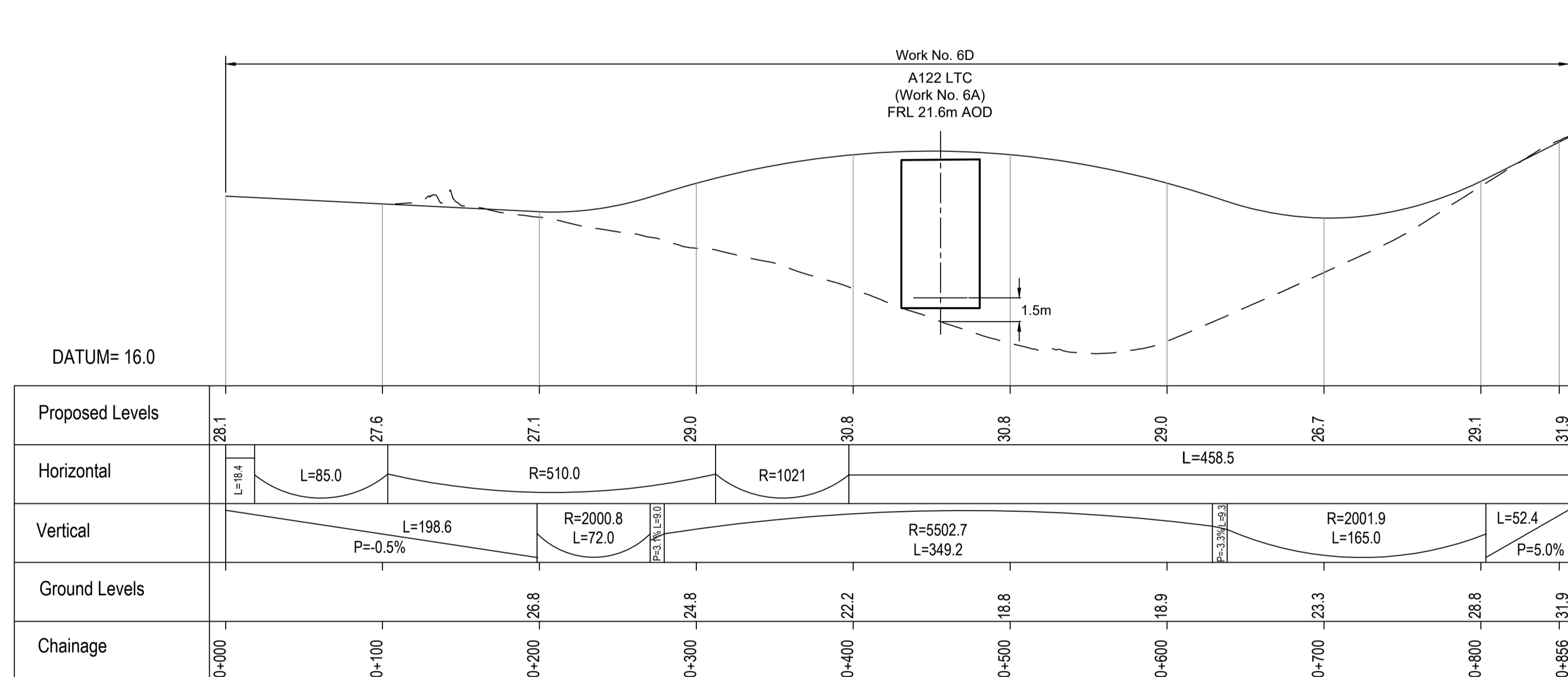
Client

 Project
LOWER THAMES CROSSING

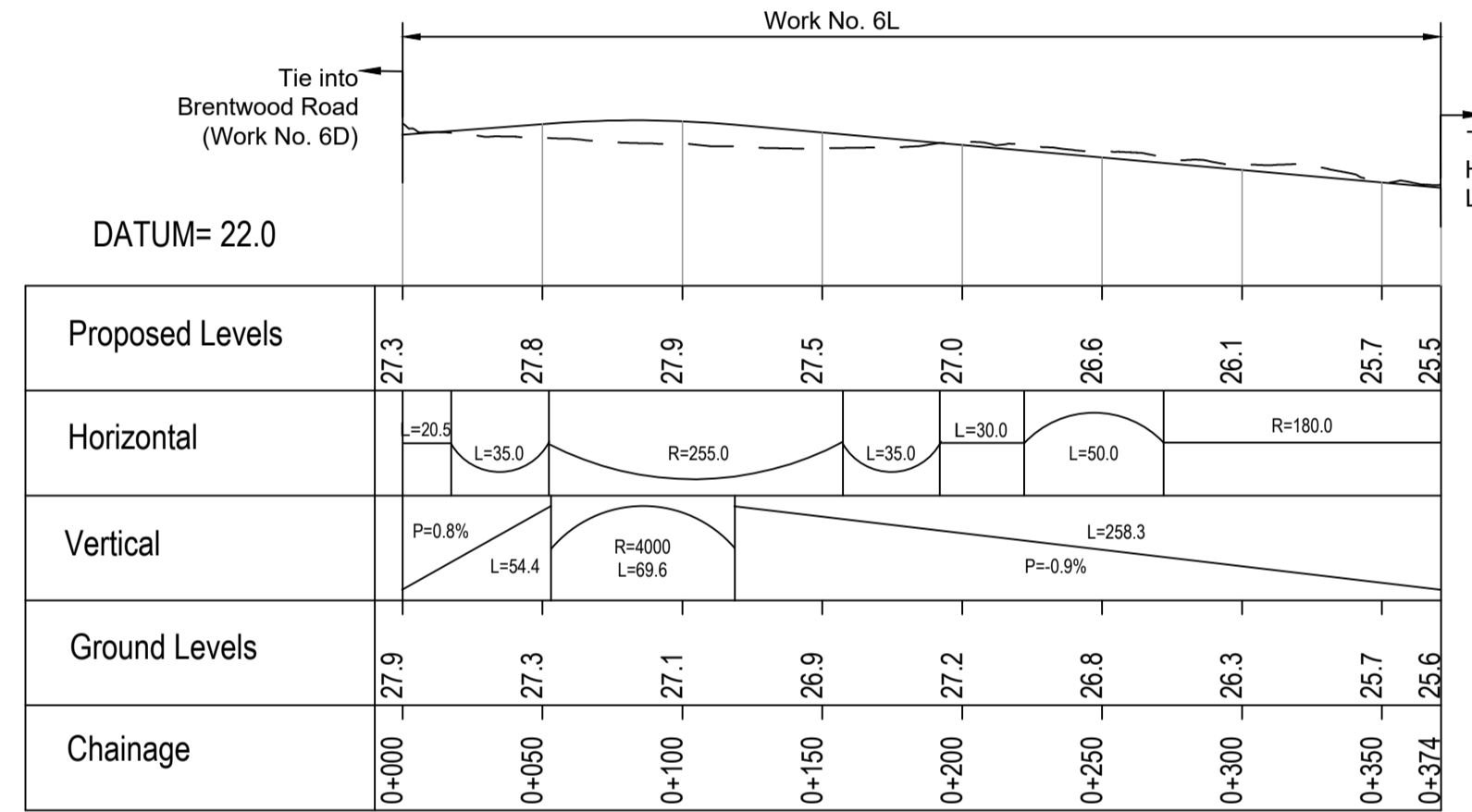
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Drawing title	A13 JUNCTION - PLAN AND PROFILES REGULATION 5(2)(o) AND 6(2) KEY PLAN				
Drawing Number	HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10500				



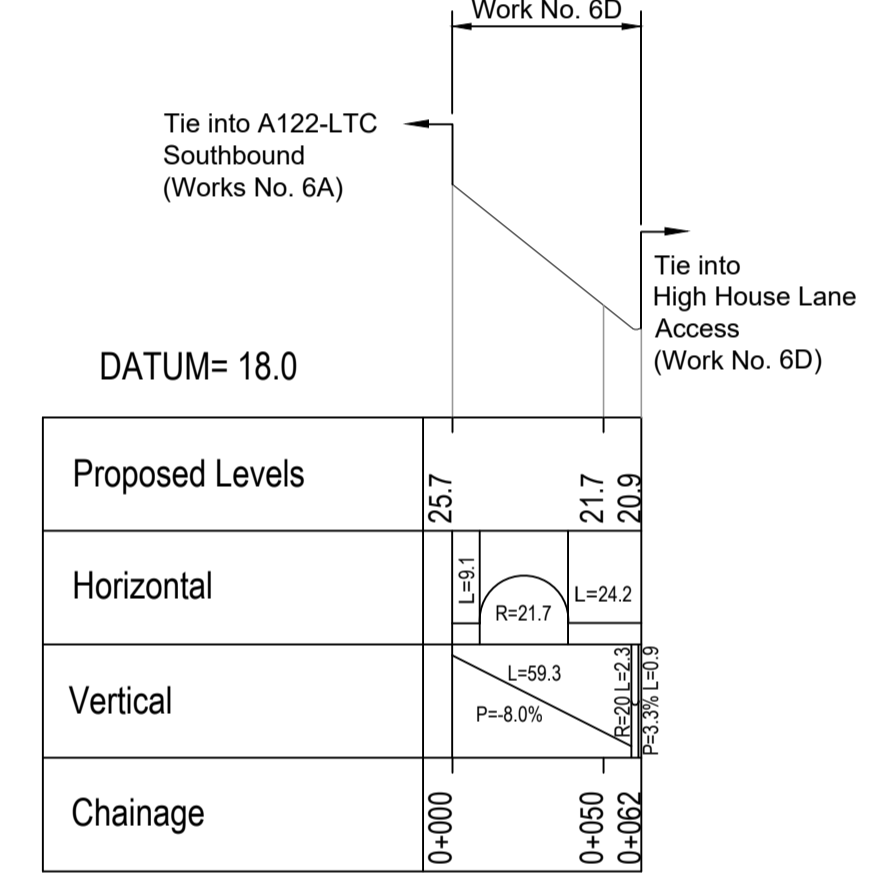
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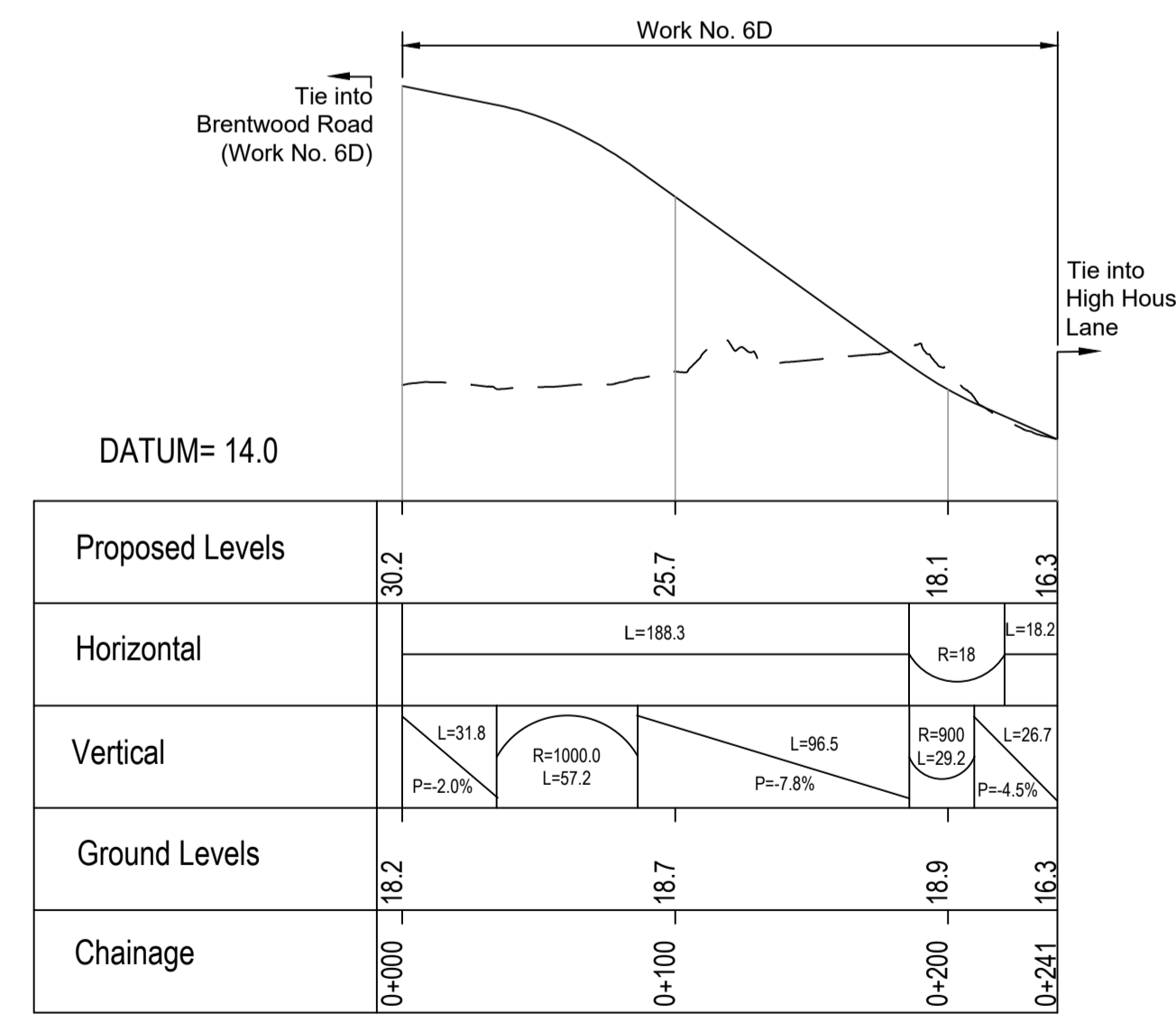
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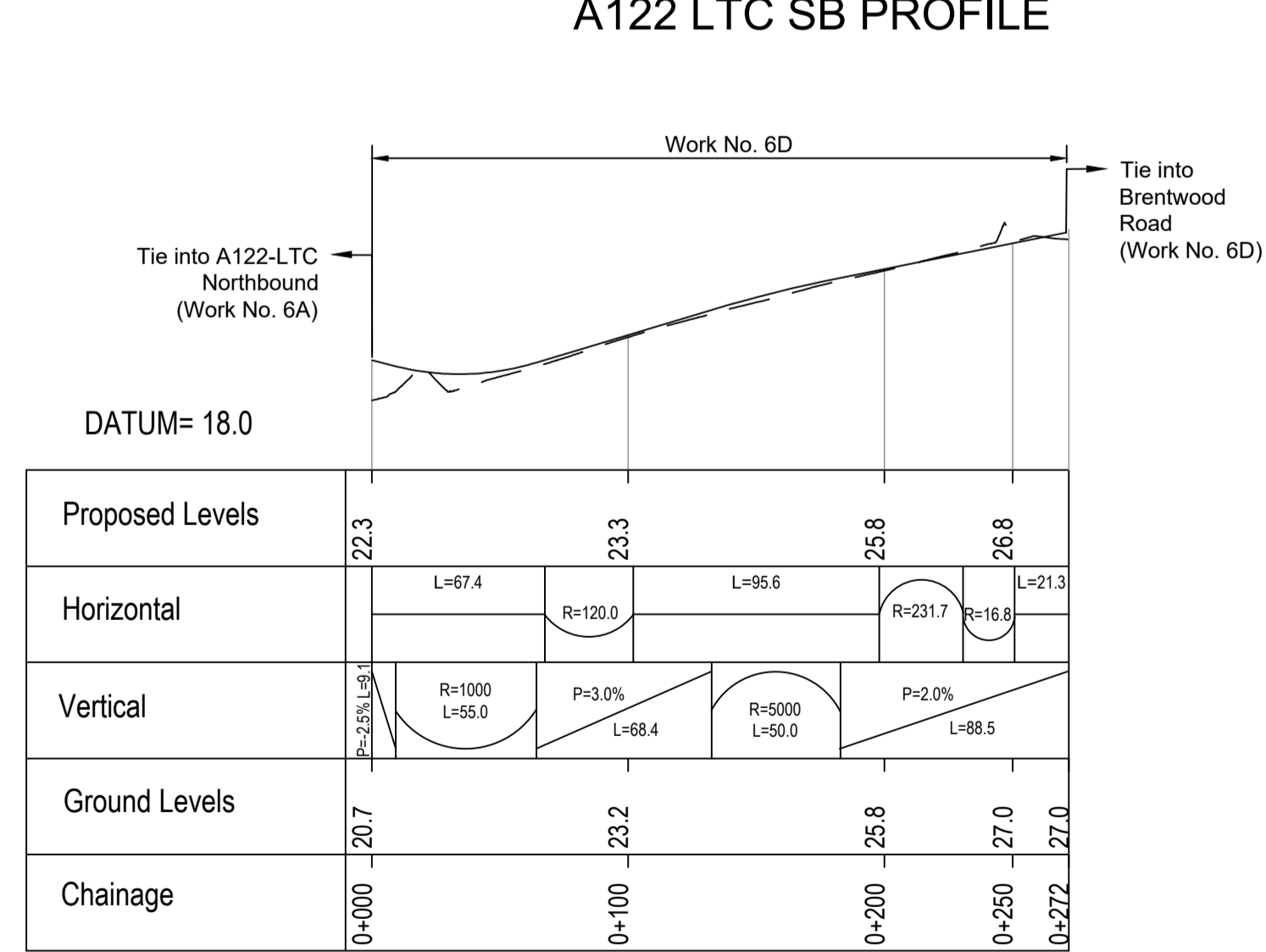
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EMERGENCY ACCESS TO A122 LTC SB PROFILE



HIGH HOUSE LANE NORTH ACCESS ROAD PROFILE

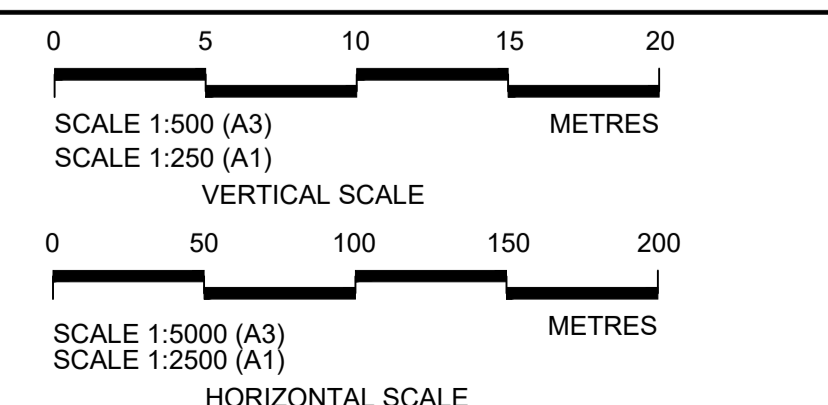


EMERGENCY ACCESS TO A122 LTC NB PROFILE

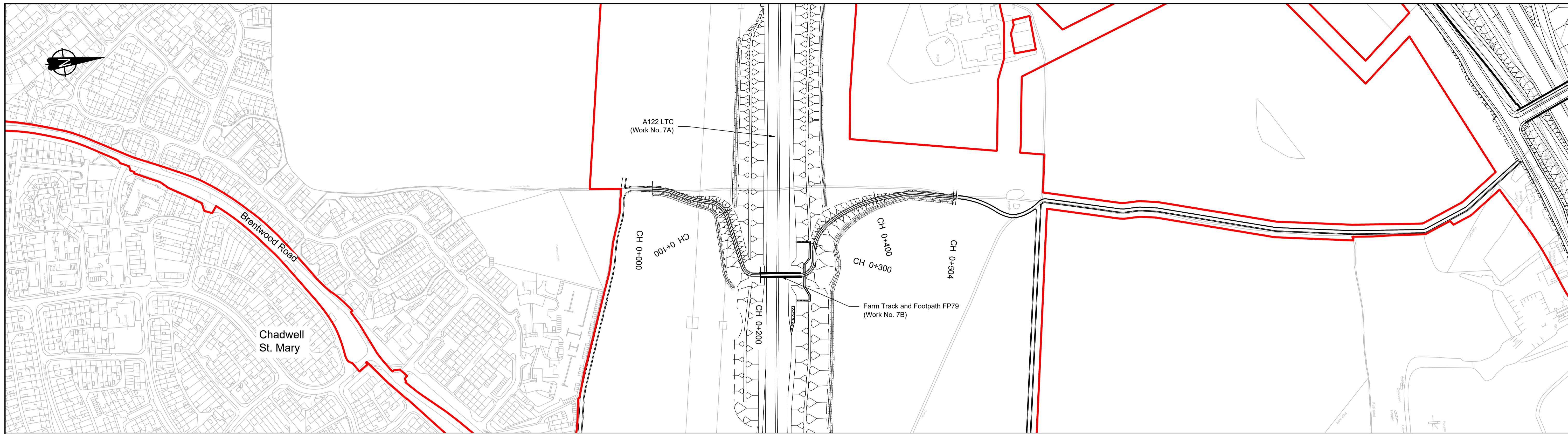
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P01	SB	19/10/2022	DCO Application	LY	BB	ASB
P02	SB	11/12/2023	Deadline 9	GP	RO	ASB

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 5. All levels are in metres relative to the Ordnance Datum.
 6. Profile uses an exaggerated scale of 1 horizontal : 10 Vertical.

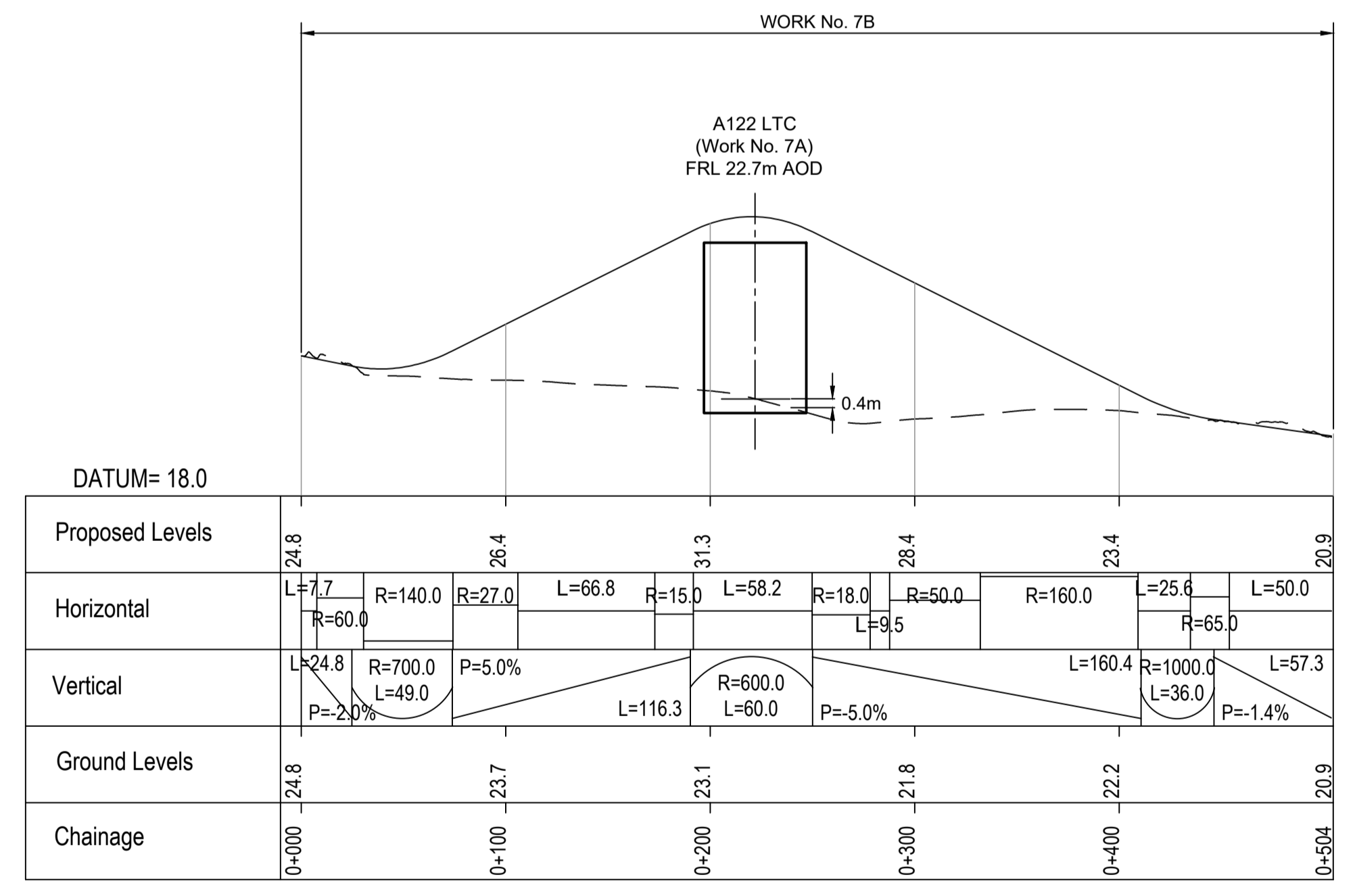
- LEGEND:
- - - Existing ground level
 - == Structure
 - Proposed road level
 - ▭ Structures - Bridge
 - ▭ Structures - Underpass
 - NB - Northbound
 - WB - Westbound
 - EB - Eastbound
 - SB - Southbound
 - MHWS - Mean High Water Springs
 - MLWS - Mean Low Water Springs
 - FRL - Finished Road Level
 - ▨ Maintenance access
 - Order Limits



Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.9	Scale	AS SHOWN		
Drawing title	A13 JUNCTION - PLAN AND PROFILES REGULATION 5(2)(o) AND 6(2) SHEET 1				
Drawing Number	HE540039-CJV-BOP-SZA_RX000000_DR-CH-10501				



PLAN



FARM TRACK AND FOOTPATH FP79 PROFILE

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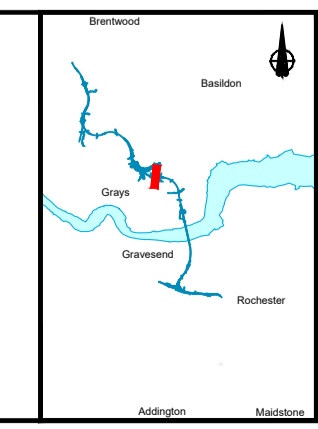
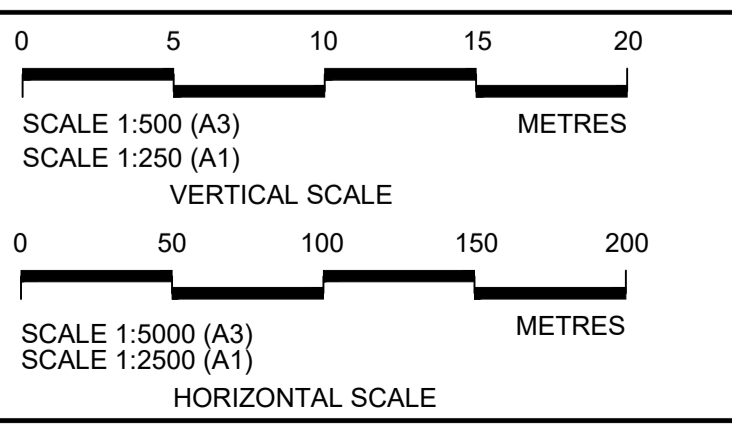
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P01	S8	19/10/2022	DCO Application	LY	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

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LEGEND:

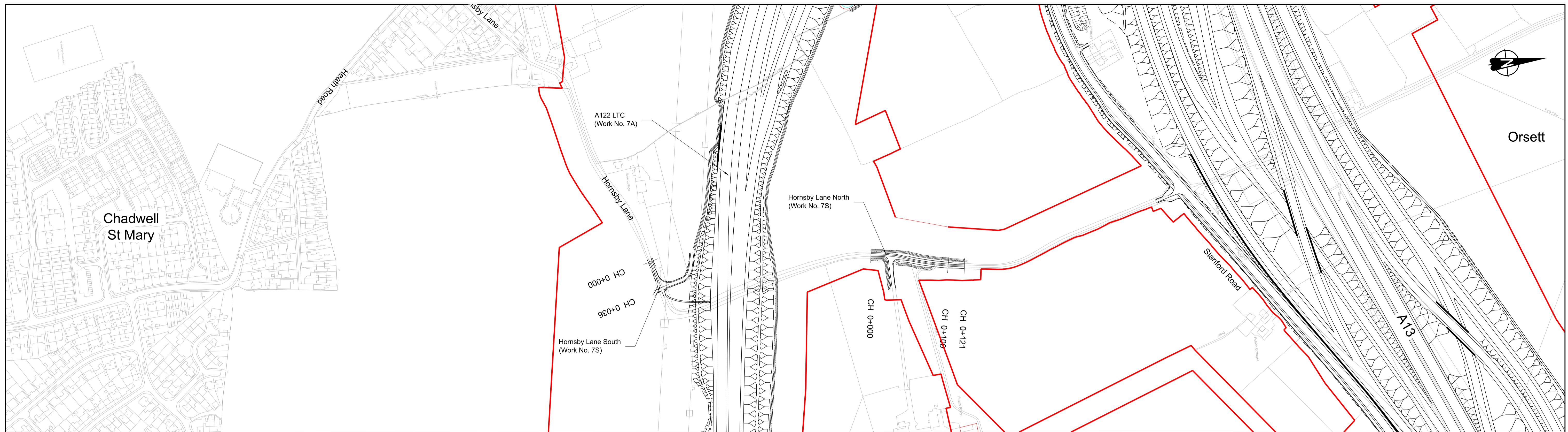
- - - Existing ground level
- == Structure
- - - Proposed road level
- ▭ Structures - Bridge
- ▭ Structures - Underpass
- NB - Northbound
- WB - Westbound
- EB - Eastbound
- SB - Southbound
- MHWS - Mean High Water Springs
- MLWS - Mean Low Water Springs
- FRL - Finished Road Level
- ▨ Maintenance access
- Order Limits



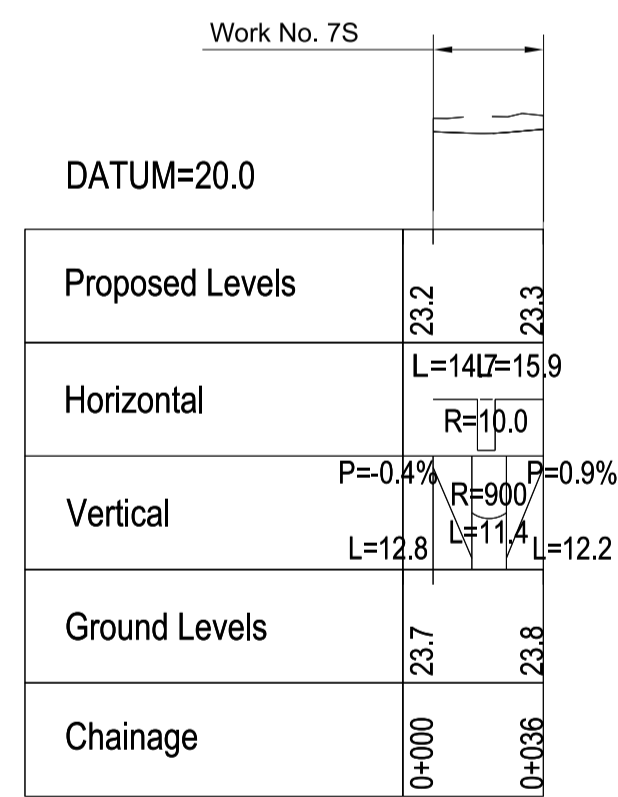
Client: **national highways**

Project: **LOWER THAMES CROSSING**

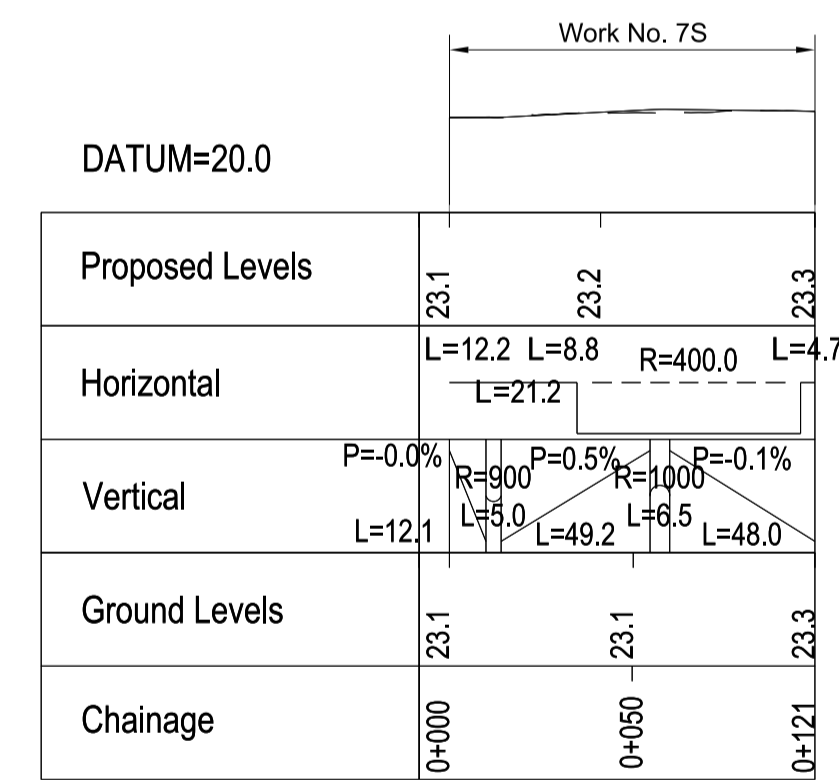
Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.9	Scale	AS SHOWN		
Drawing title	A13 JUNCTION - PLAN AND PROFILES REGULATION 5(2)(o) AND 6(2) SHEET 2				
Drawing Number	HE540039-CJV-BOP-SZA_RX000000-DR-CH-10502				



PLAN



HORNSBY LANE SOUTH PROFILE

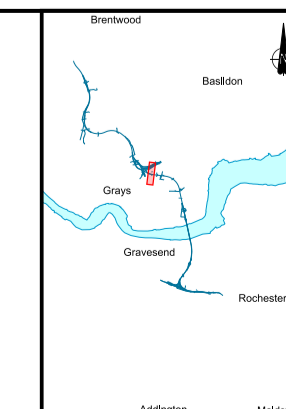
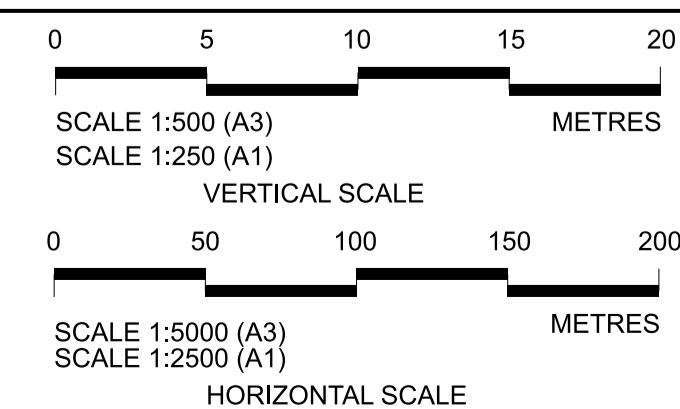


HORNSBY LANE NORTH PROFILE

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P01	S8	19/10/2022	DCO Application	LY	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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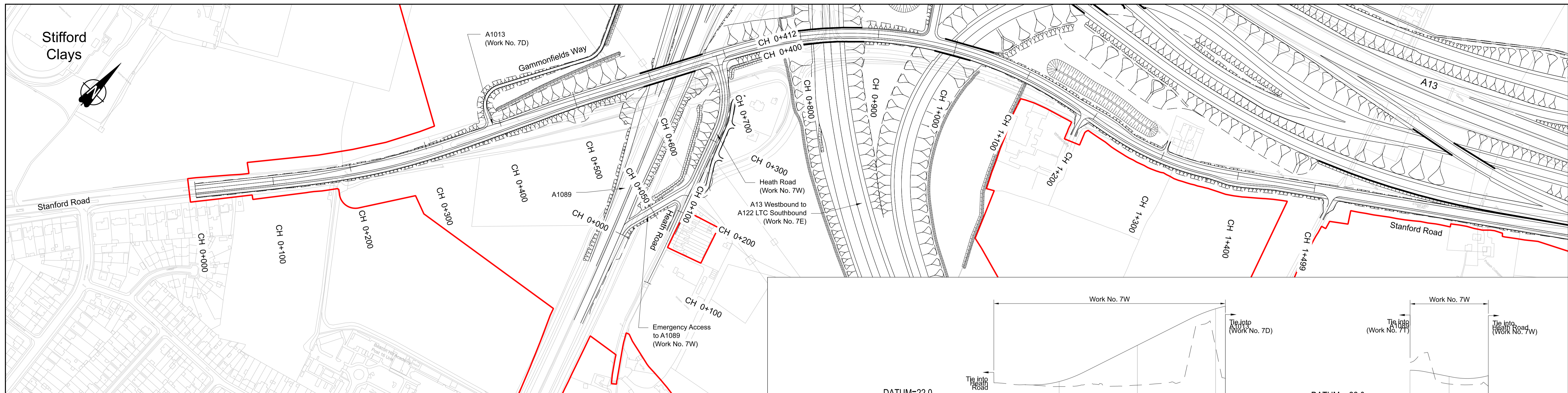
- LEGEND:
- Existing ground level
 - Structure
 - Proposed road level
 - Structures - Bridge
 - Structures - Underpass
 - NB - Northbound
 - WB - Westbound
 - EB - Eastbound
 - SB - Southbound
 - MHWS - Mean High Water Springs
 - MLWS - Mean Low Water Springs
 - FRL - Finished Road Level
 - MA - Maintenance access
 - Order Limits



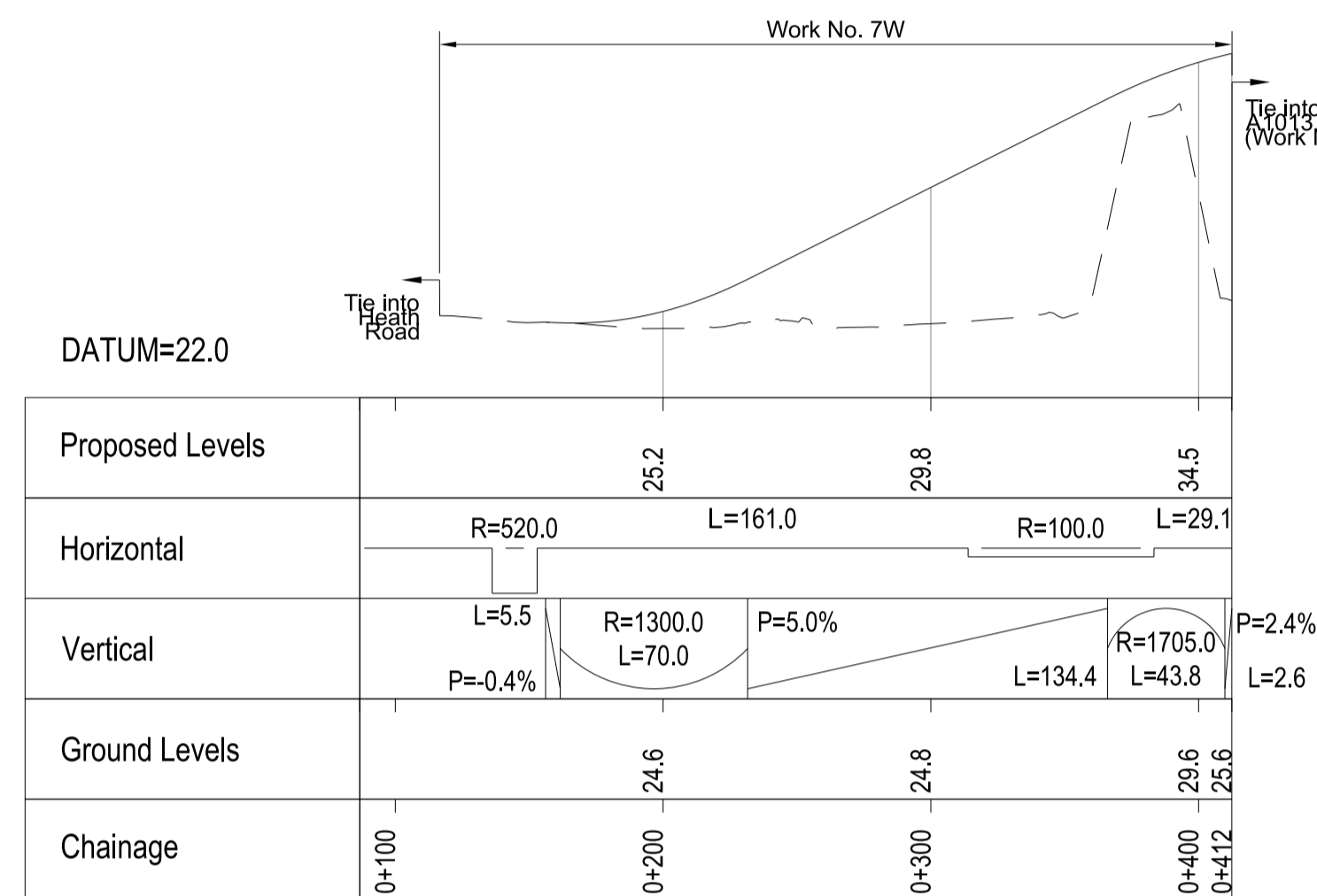
Client: **national highways**

Project: **LOWER THAMES CROSSING**

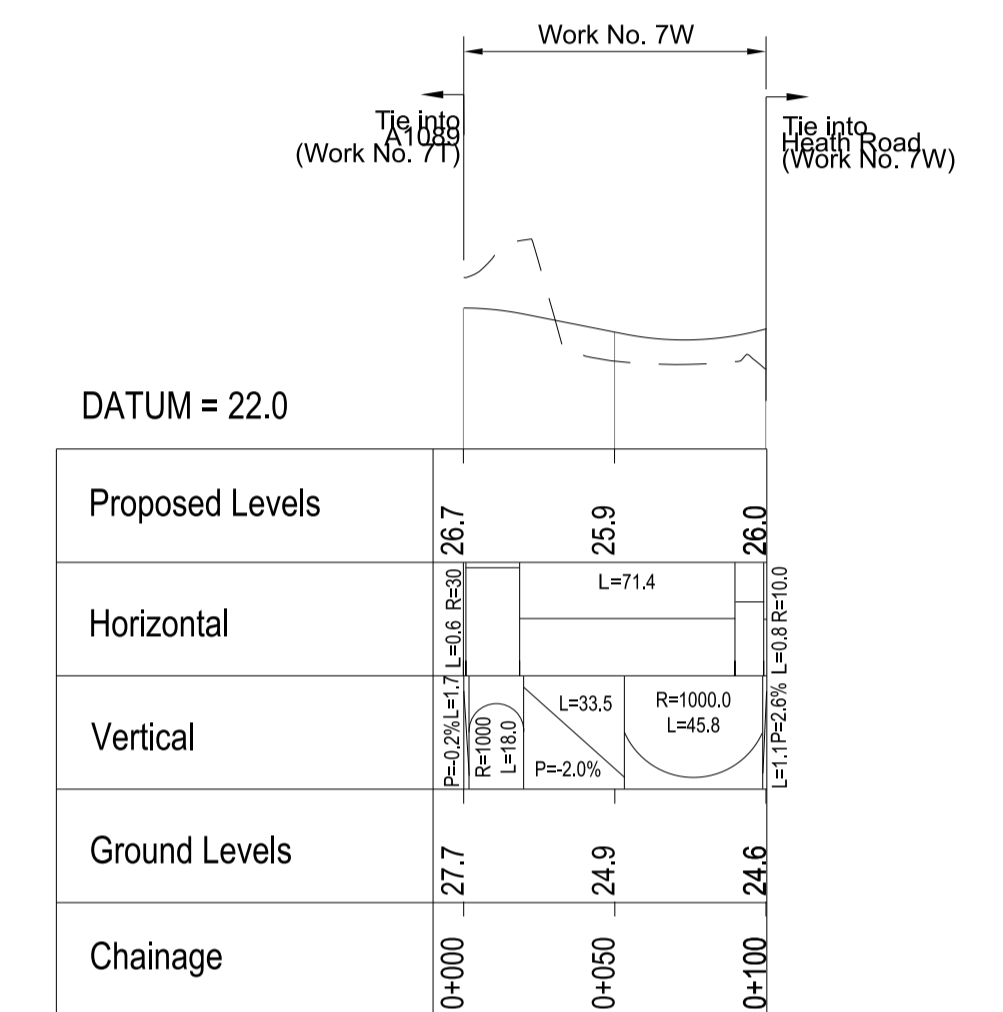
Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.9	Scale	AS SHOWN		
Drawing title	A13 JUNCTION - PLAN AND PROFILES REGULATION 5(2)(o) AND 6(2) SHEET 3				
Drawing Number	HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10503				



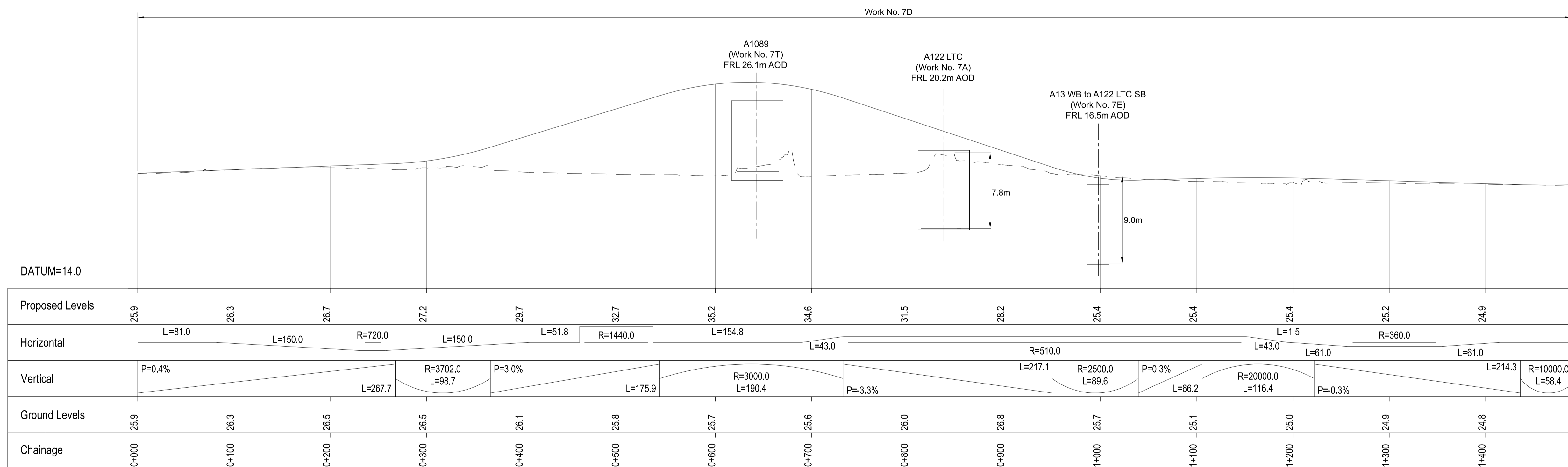
PLAN



HEATH ROAD PROFILE



EMERGENCY ACCESS TO A1089 PROFILE

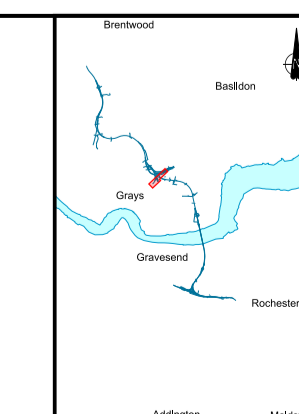
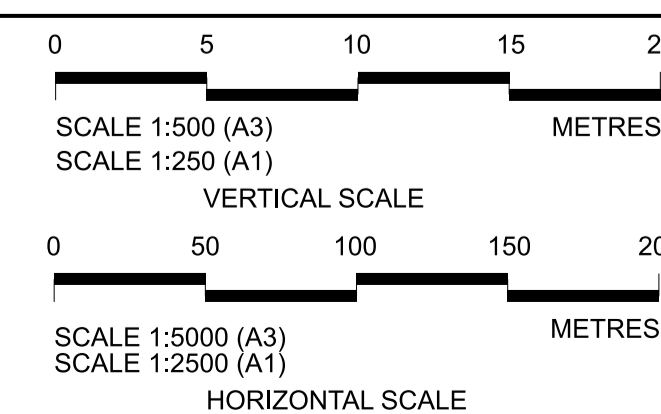


STANFORD ROAD (A1013) PROFILE

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

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 - Profile uses an exaggerated scale of 1 horizontal : 10 Vertical.

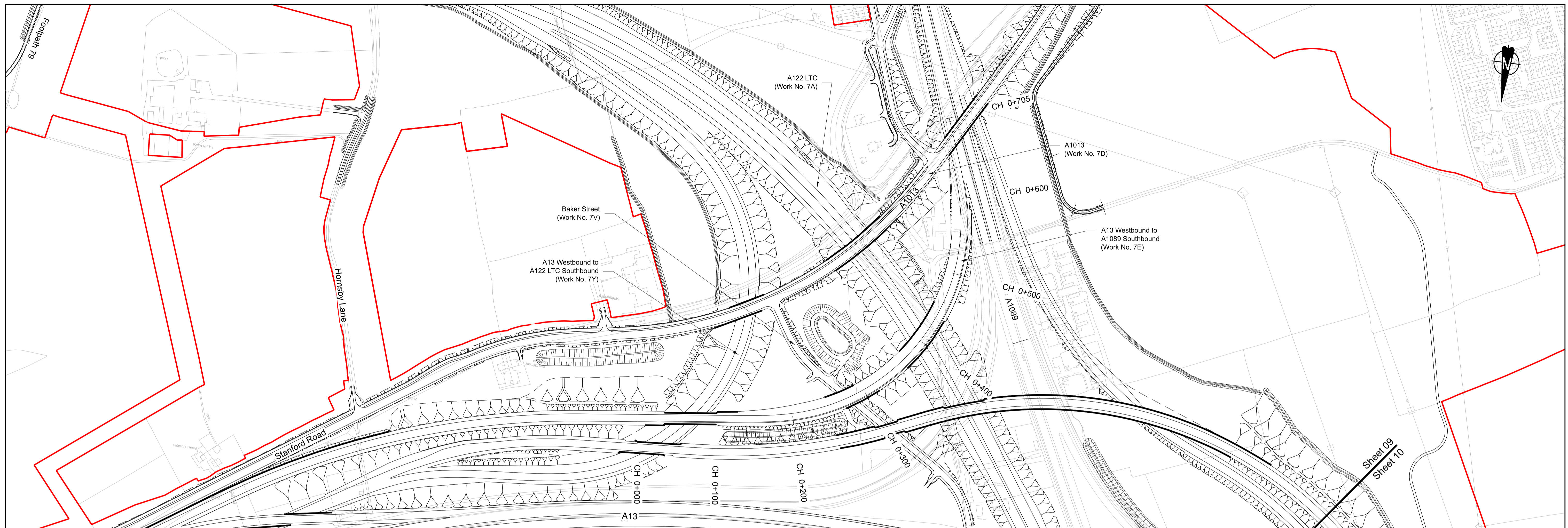
- LEGEND:
- Existing ground level
 - Structure
 - Proposed road level
 - ▭ Structures - Bridge
 - ▭ Structures - Underpass
 - NB - Northbound
 - WB - Westbound
 - EB - Eastbound
 - SB - Southbound
 - MHWS - Mean High Water Springs
 - MLWS - Mean Low Water Springs
 - FRL - Finished Road Level
 - Maintenance access
 - Order Limits



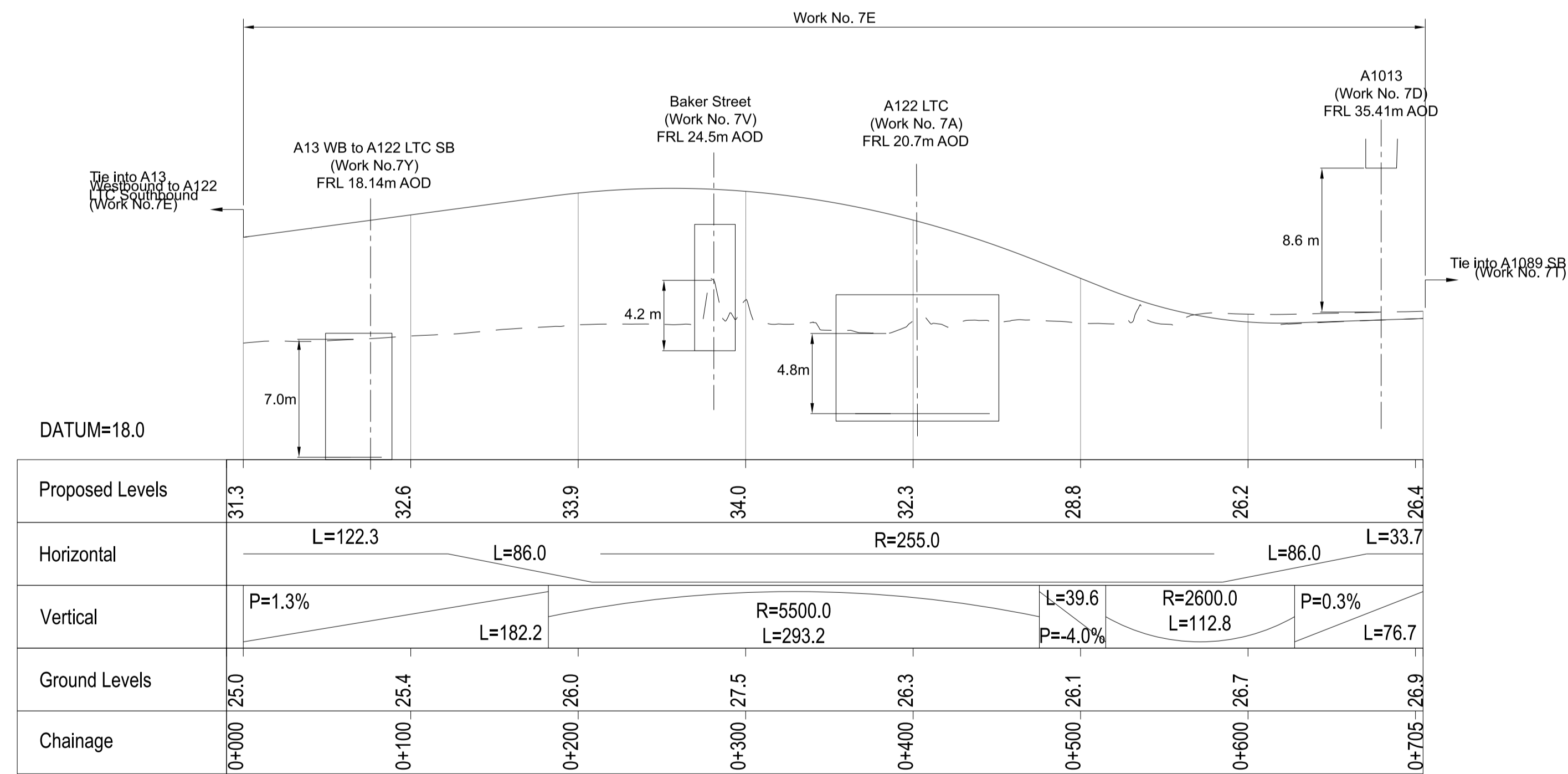
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Examination	Original Size	Revision
Application Document Number	TR010032/APP/2.9	A1	P02
Drawing Title	A13 JUNCTION - PLAN AND PROFILES REGULATION 5(2)(o) AND 6(2) SHEET 4		
Drawing Number	HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10504		



PLAN

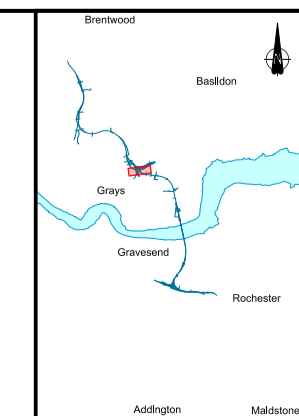
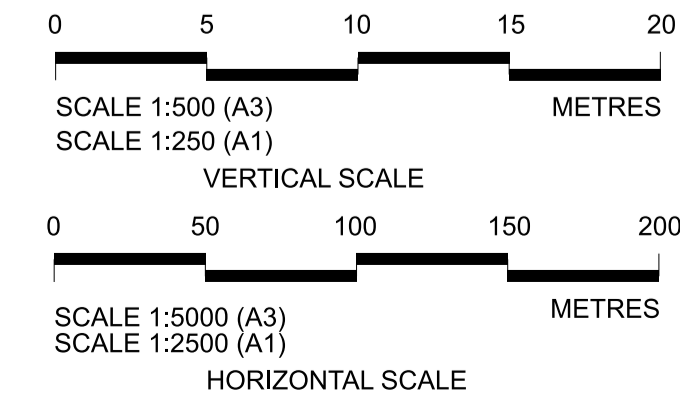


A13 WESTBOUND TO A1089 SOUTHBOUND PROFILE

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

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 - All levels are in metres relative to the Ordnance Datum.
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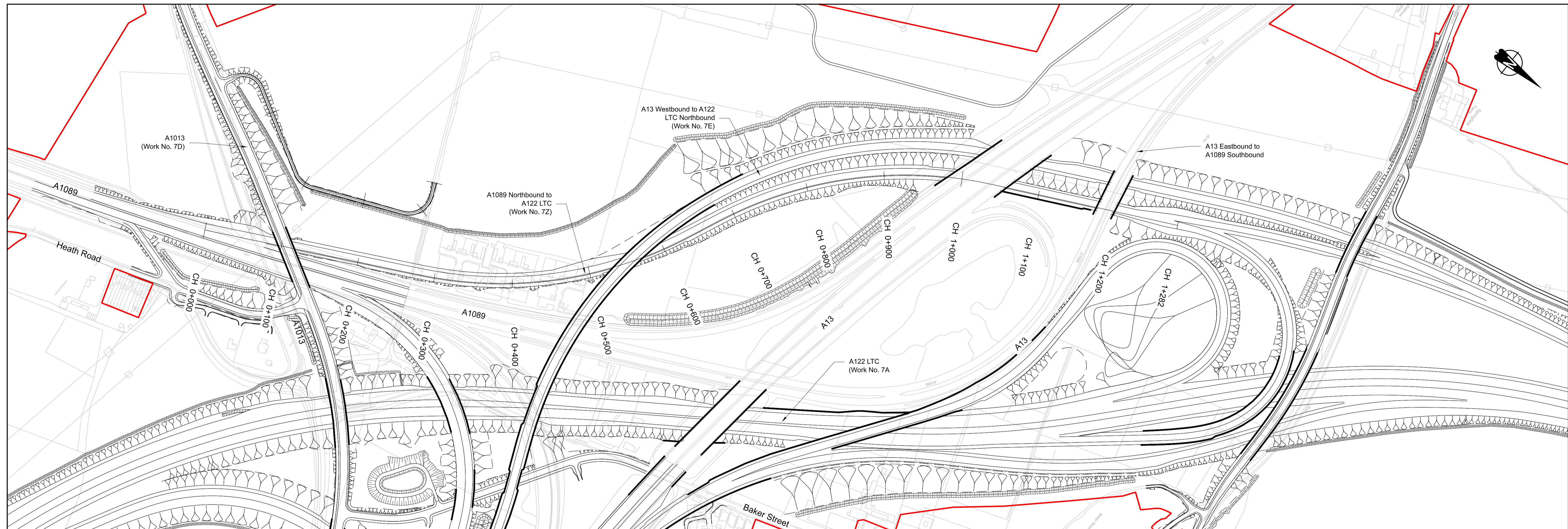
- LEGEND:**
- Existing ground level
 - Structure
 - Proposed road level
 - ▭ Structures - Bridge
 - ▭ Structures - Underpass
 - NB - Northbound
 - WB - Westbound
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 - SB - Southbound
 - MHWS - Mean High Water Springs
 - MLWS - Mean Low Water Springs
 - FRL - Finished Road Level
 - MA - Maintenance access
 - Order Limits



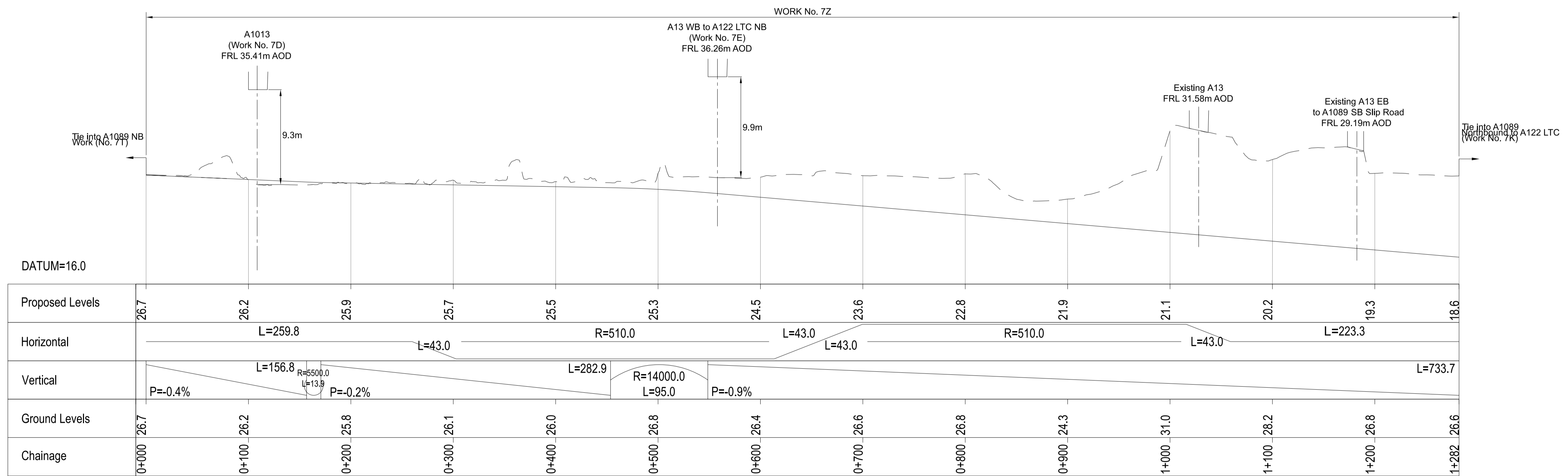
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.9	Scale	AS SHOWN		
Drawing title	A13 JUNCTION - PLAN AND PROFILES REGULATION 5(2)(o) AND 6(2) SHEET 5				
Drawing Number	HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10505				



PLAN

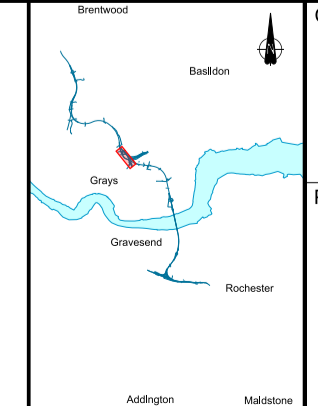
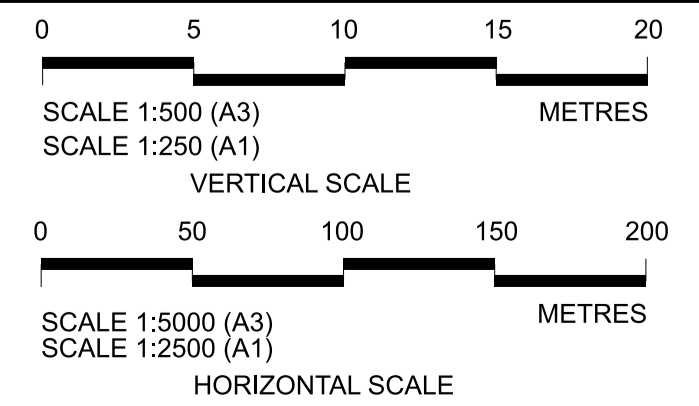


A1089 NB to A122 LTC PROFILE

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

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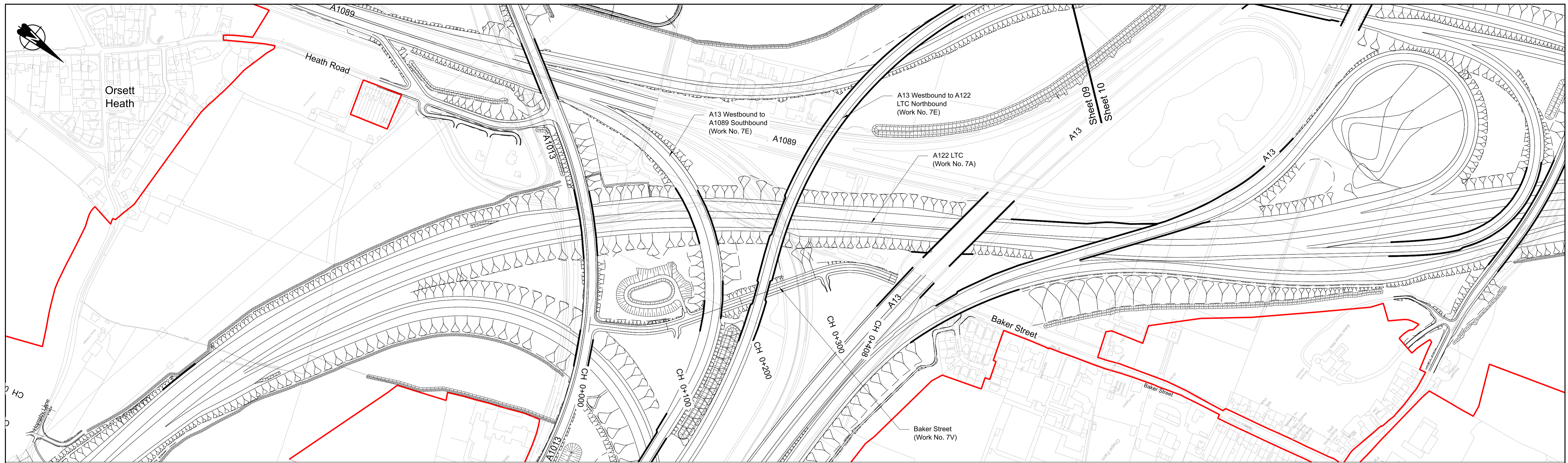
- LEGEND:**
- Existing ground level
 - Structure
 - Proposed road level
 - Structures - Bridge
 - Structures - Underpass
 - NB - Northbound
 - WB - Westbound
 - EB - Eastbound
 - SB - Southbound
 - MHWS - Mean High Water Springs
 - MLWS - Mean Low Water Springs
 - FRL - Finished Road Level
 - Maintenance access
 - Order Limits



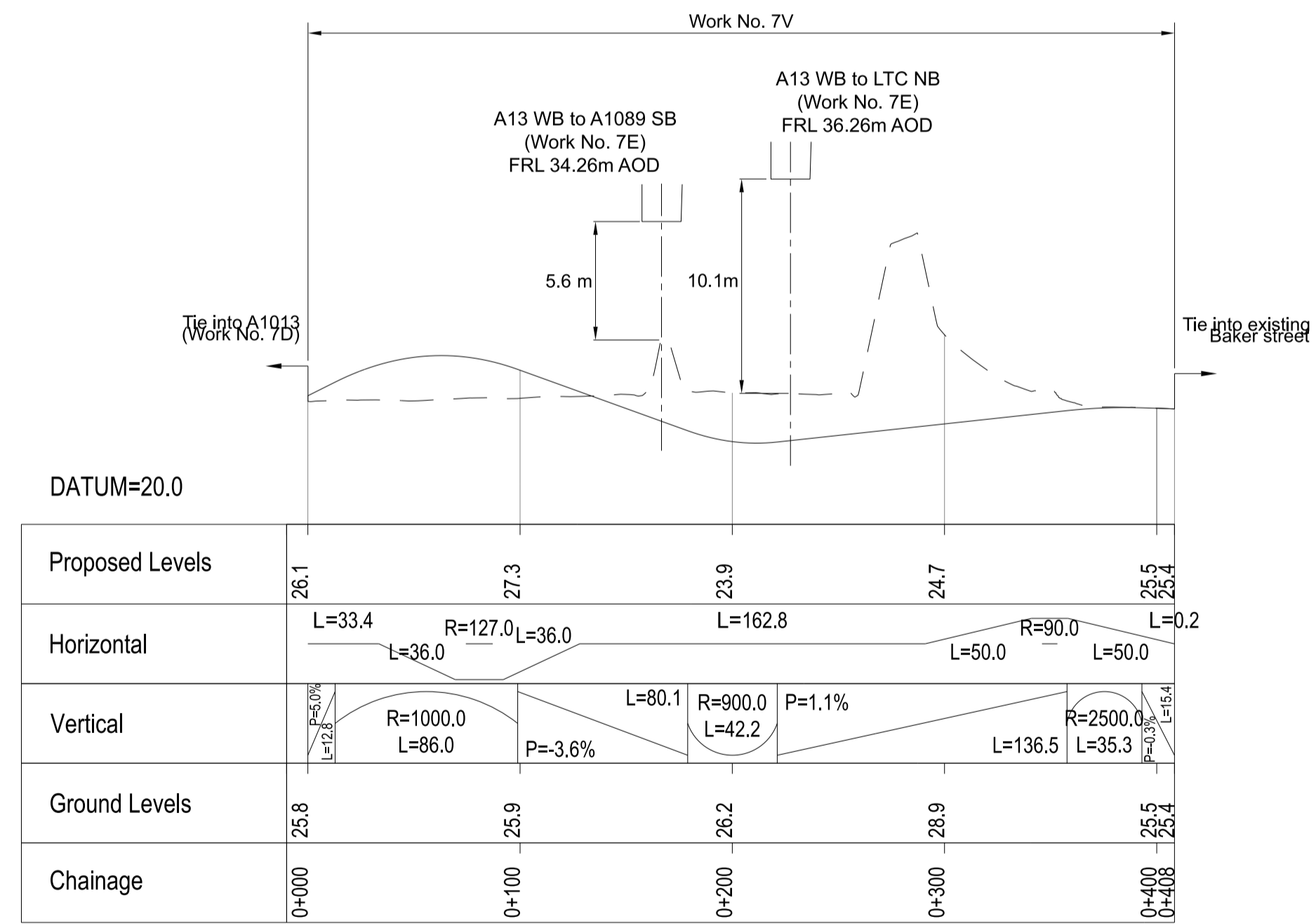
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.9	Scale	AS SHOWN		
Drawing title	A13 JUNCTION - PLAN AND PROFILES REGULATION 5(2)(o) AND 6(2) SHEET 6				
Drawing Number	HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10506				



PLAN

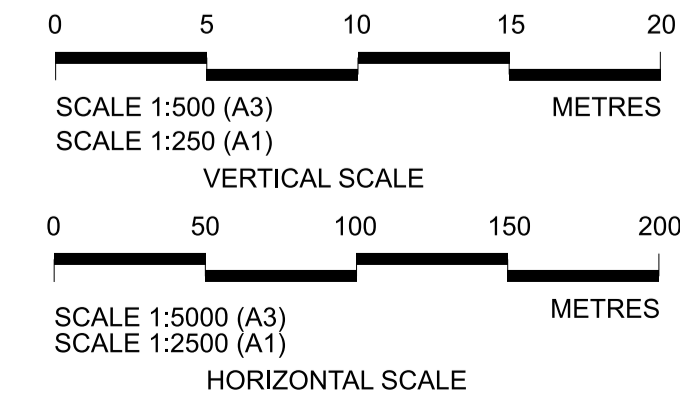


BAKER STREET PROFILE

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

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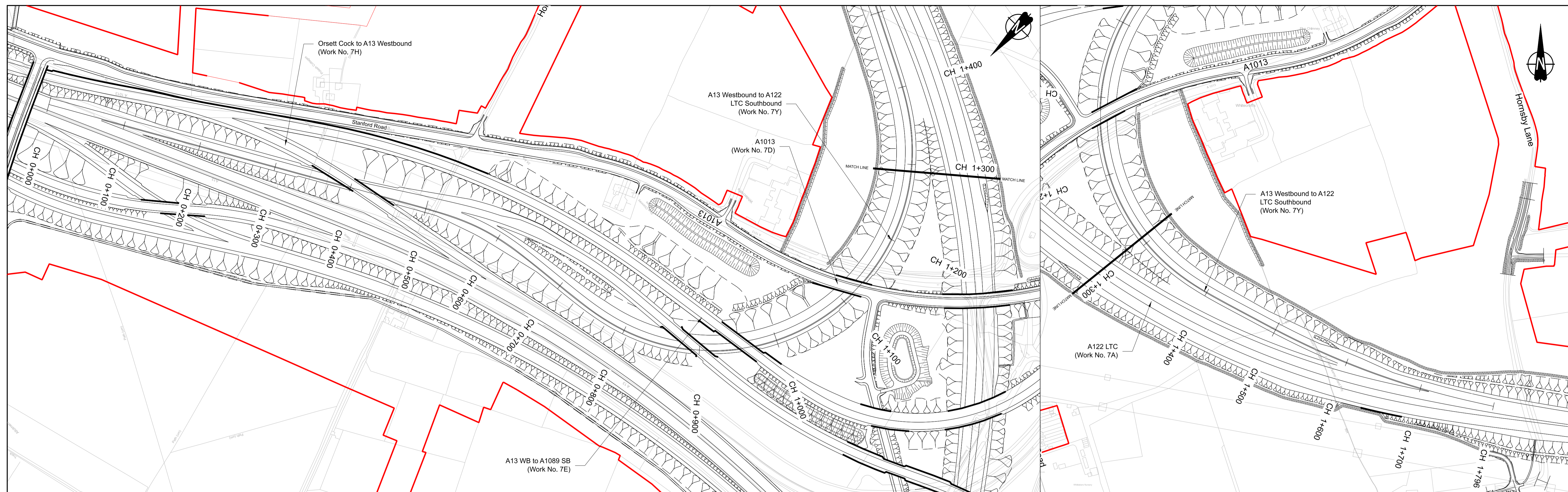
- LEGEND:**
- Existing ground level
 - Structure
 - Proposed road level
 - Structures - Bridge
 - Structures - Underpass
 - NB - Northbound
 - WB - Westbound
 - EB - Eastbound
 - SB - Southbound
 - MHWS - Mean High Water Springs
 - MLWS - Mean Low Water Springs
 - FRL - Finished Road Level
 - MA - Maintenance access
 - Order Limits



Client: **national highways**

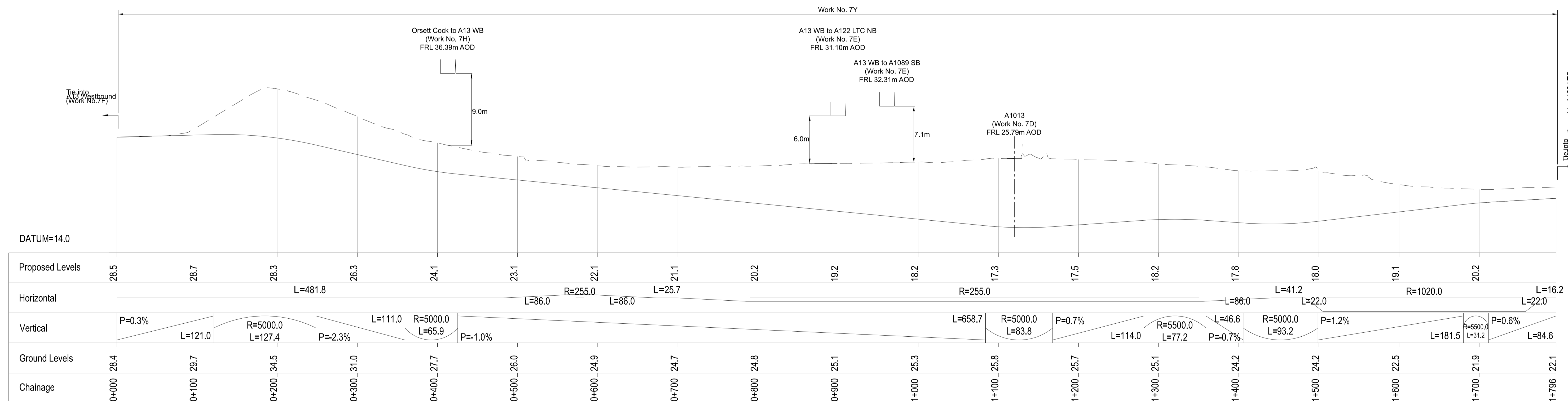
Project: **LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	Revision
Application Document Number	TR010032/APP/2.9	A1	P02
Scale	AS SHOWN		
Drawing title	A13 JUNCTION - PLAN AND PROFILES REGULATION 5(2)(o) AND 6(2) SHEET 7		
Drawing Number	HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10507		



PLAN

PLAN



A13 WESTBOUND TO A122 LTC SOUTHBOUND PROFILE

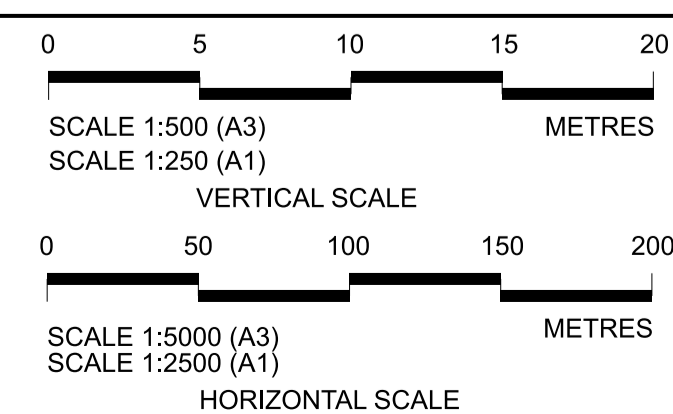
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd
P01	S8	19/10/2022	DCO Application	LY	BB	ASB
P02	S8	18/07/2023	Deadline 1	GP	BB	ASB
P03	S8	11/12/2023	Deadline 9	GP	RO	ASB

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LEGEND:

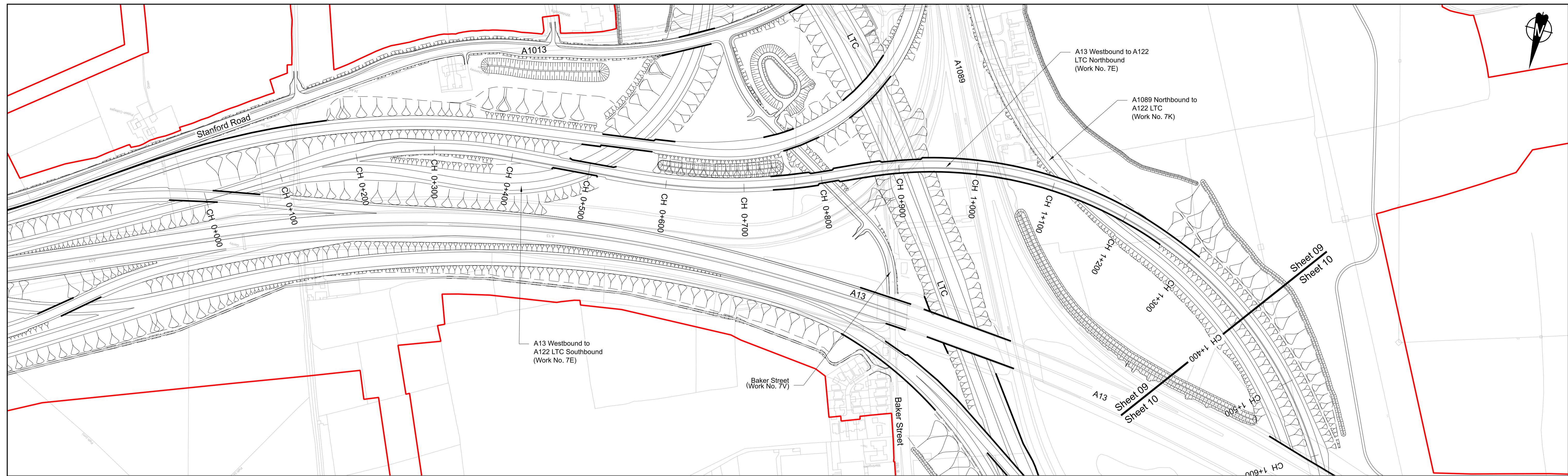
- Existing ground level
- Structure
- Proposed road level
- Structures - Bridge
- Structures - Underpass
- NB - Northbound
- WB - Westbound
- EB - Eastbound
- SB - Southbound
- MHWS - Mean High Water Springs
- MLWS - Mean Low Water Springs
- FRL - Finished Road Level
- Maintenance access
- Order Limits



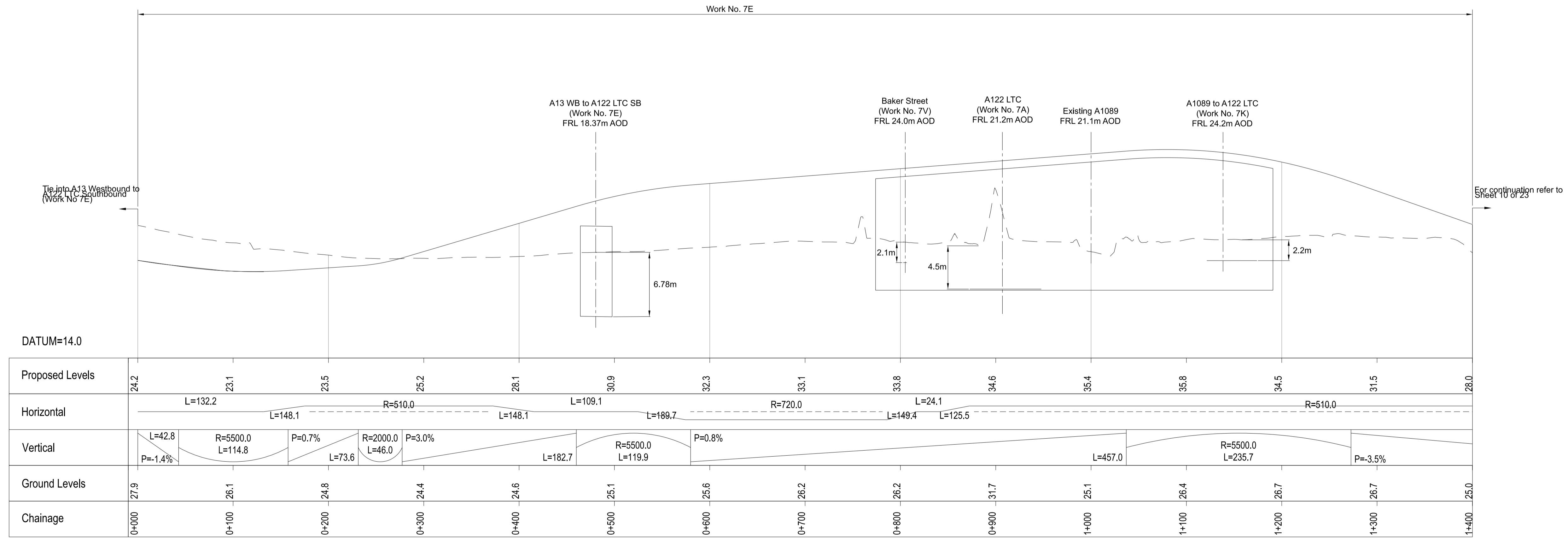
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Examination	Original Size	Revision
Application Document Number	TR010032/APP/2.9	A1	P03
Drawing title	A13 JUNCTION - PLAN AND PROFILES REGULATION 5(2)(o) AND 6(2) SHEET 8		
Drawing Number	HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10508		



PLAN

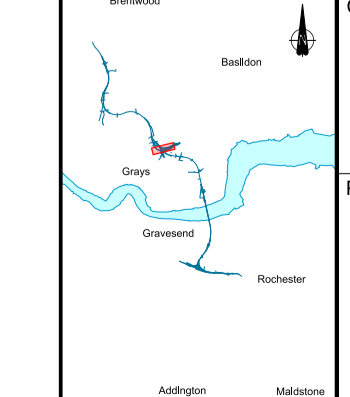
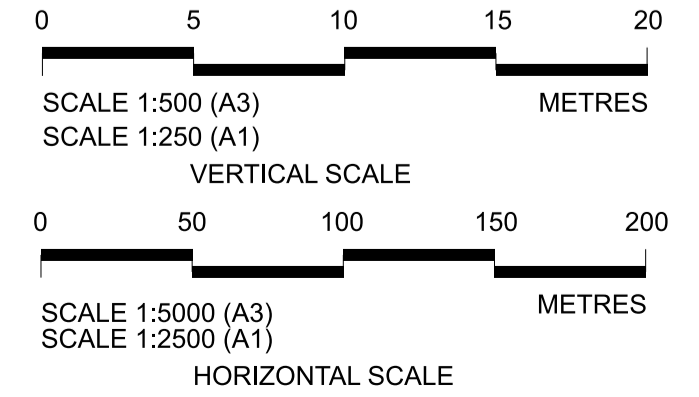


A13 WESTBOUND TO A122 LTC NORTHBOUND PROFILE - PART 1

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd
P01	S8	19/10/2022	DCO Application	LY	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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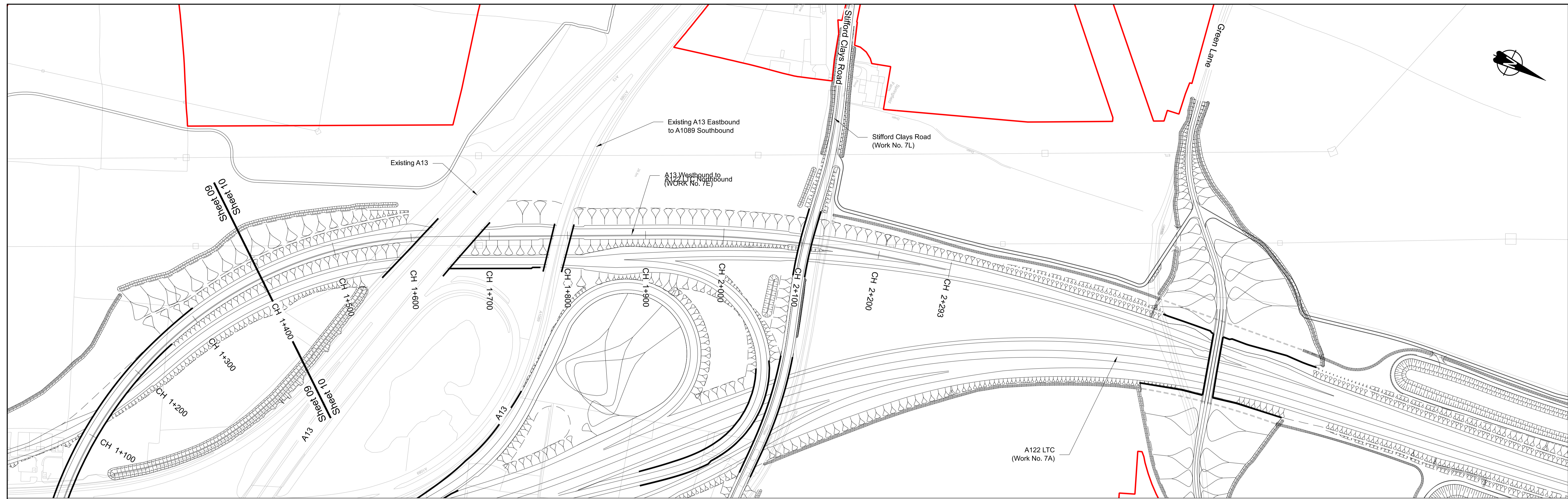
- LEGEND:**
- Existing ground level
 - Structure
 - Proposed road level
 - Structures - Bridge
 - Structures - Underpass
 - NB - Northbound
 - WB - Westbound
 - EB - Eastbound
 - SB - Southbound
 - MHWS - Mean High Water Springs
 - MLWS - Mean Low Water Springs
 - FRL - Finished Road Level
 - Maintenance access
 - Order Limits



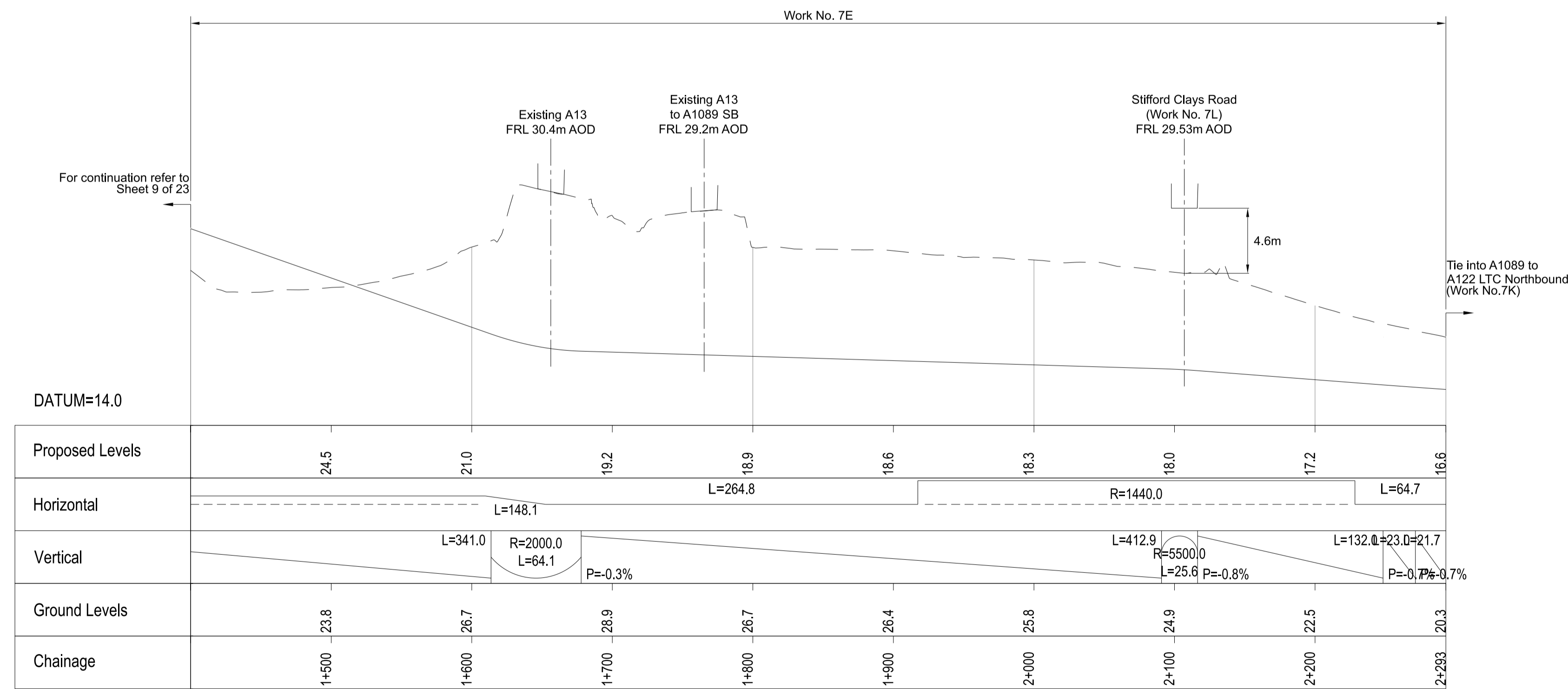
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P03
Application Document Number	TR010032/APP/2.9	Scale	AS SHOWN		
Drawing title	A13 JUNCTION - PLAN AND PROFILES REGULATION 5(2)(o) AND 6(2) SHEET 9				
Drawing Number	HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10509				



PLAN

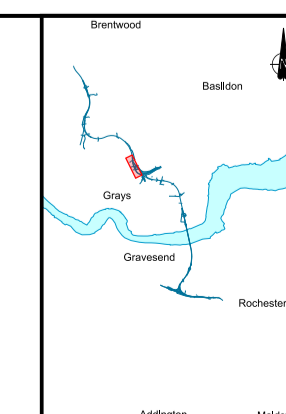
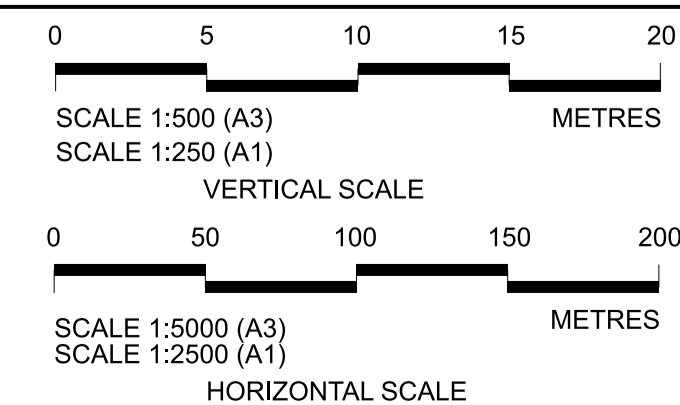


A13 WESTBOUND TO A122 LTC NORTHBOUND PROFILE PART 2

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P01 S8 19/10/2022 DCO Application LY BB ASB
P02 S8 18/07/2023 Deadline 1 GP BB ASB
P03 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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 - All dimensions are in metres unless stated otherwise.
 - All levels are in metres relative to the Ordnance Datum.
 - Profile uses an exaggerated scale of 1 horizontal : 10 Vertical.

- LEGEND:
- Existing ground level
 - Structure
 - Proposed road level
 - Structures - Bridge
 - Structures - Underpass
 - NB - Northbound
 - WB - Westbound
 - EB - Eastbound
 - SB - Southbound
 - MHWS - Mean High Water Springs
 - MLWS - Mean Low Water Springs
 - FRL - Finished Road Level
 - MA - Maintenance access
 - Order Limits

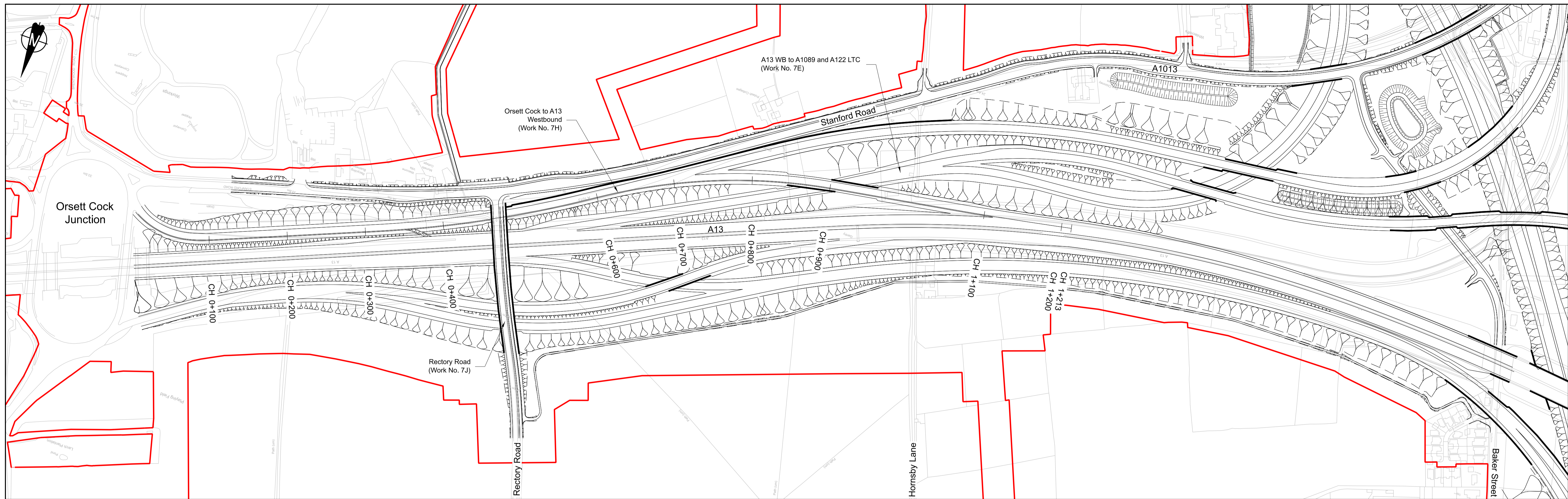


Client

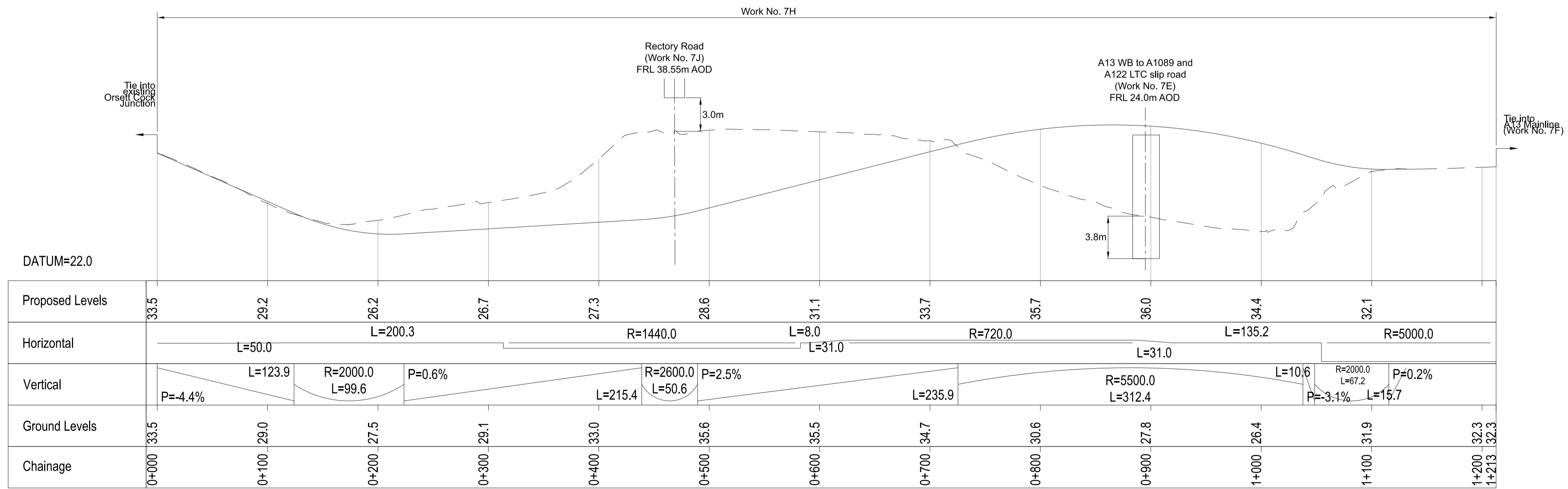
Project

LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P03
Application Document Number	TR010032/APP/2.9	Scale	AS SHOWN		
Drawing title	A13 JUNCTION - PLAN AND PROFILES REGULATION 5(2)(o) AND 6(2) SHEET 10				
Drawing Number	HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10510				



PLAN

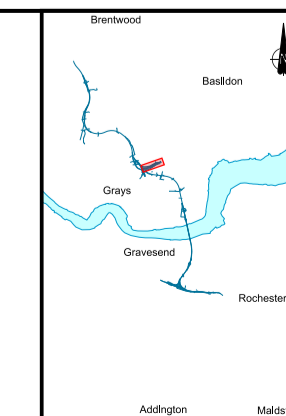
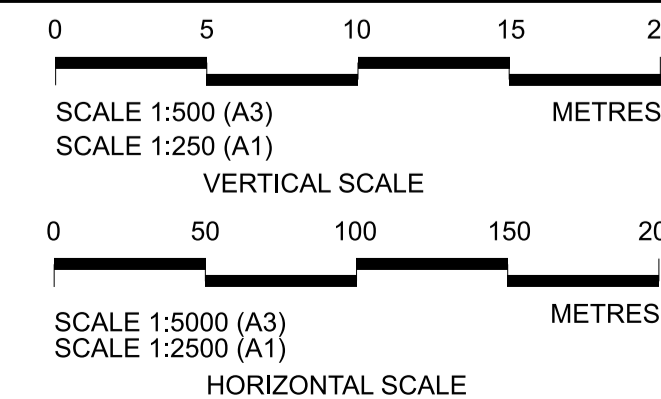


ORSETT COCK TO A13 WESTBOUND PROFILE

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

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 - All levels are in metres relative to the Ordnance Datum.
 - Profile uses an exaggerated scale of 1 horizontal : 10 Vertical.

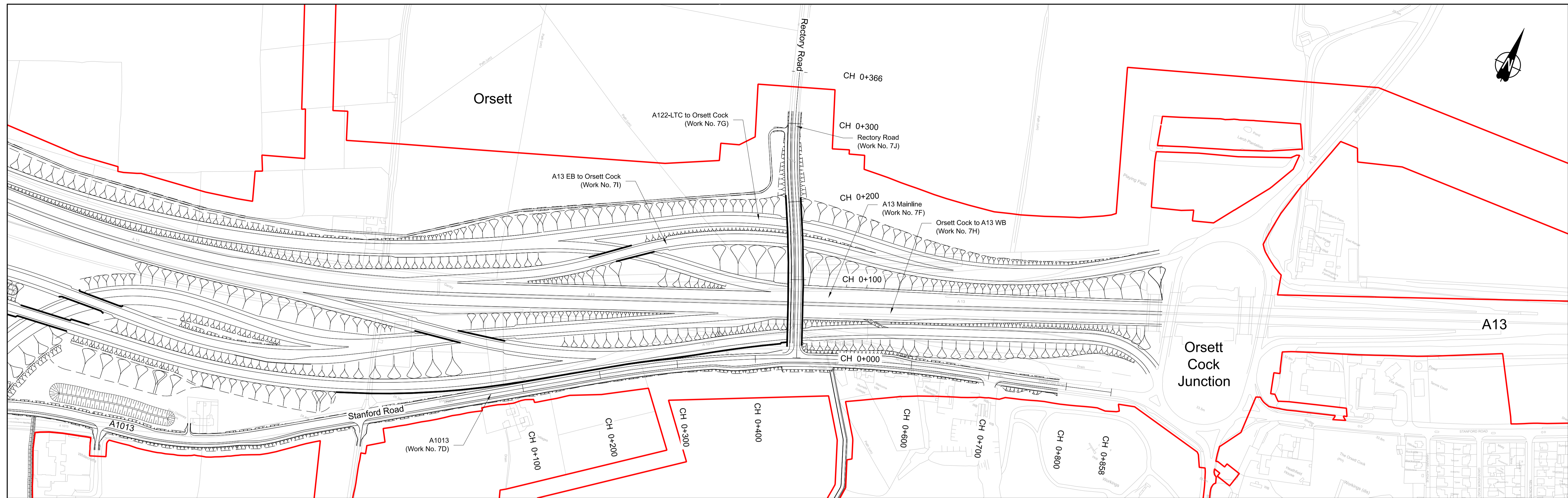
- LEGEND:
- Existing ground level
 - Structure
 - Proposed road level
 - Structures - Bridge
 - Structures - Underpass
 - NB - Northbound
 - WB - Westbound
 - EB - Eastbound
 - SB - Southbound
 - MHWS - Mean High Water Springs
 - MLWS - Mean Low Water Springs
 - FRL - Finished Road Level
 - Maintenance access
 - Order Limits



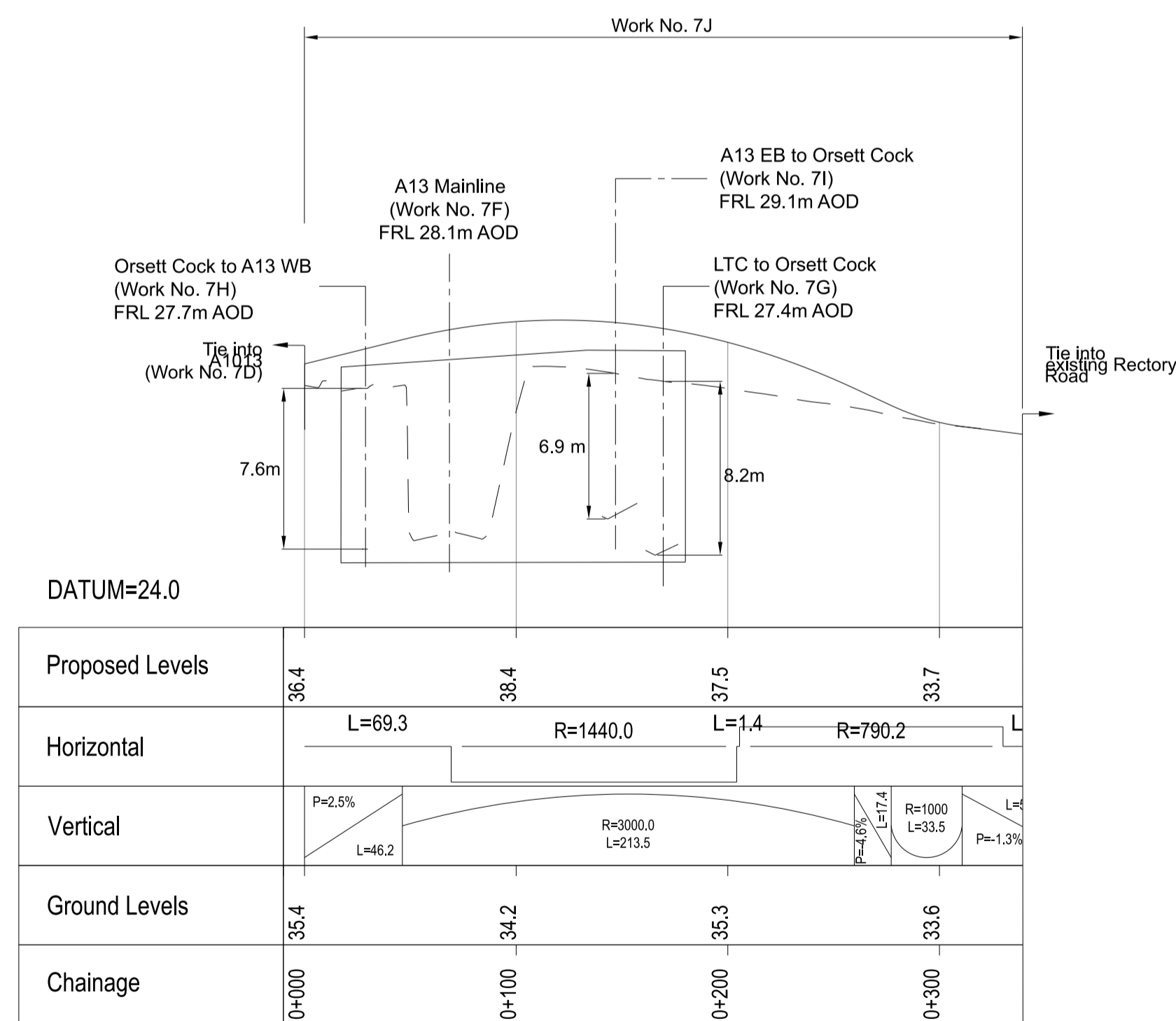
Client: national highways

Project: LOWER THAMES CROSSING

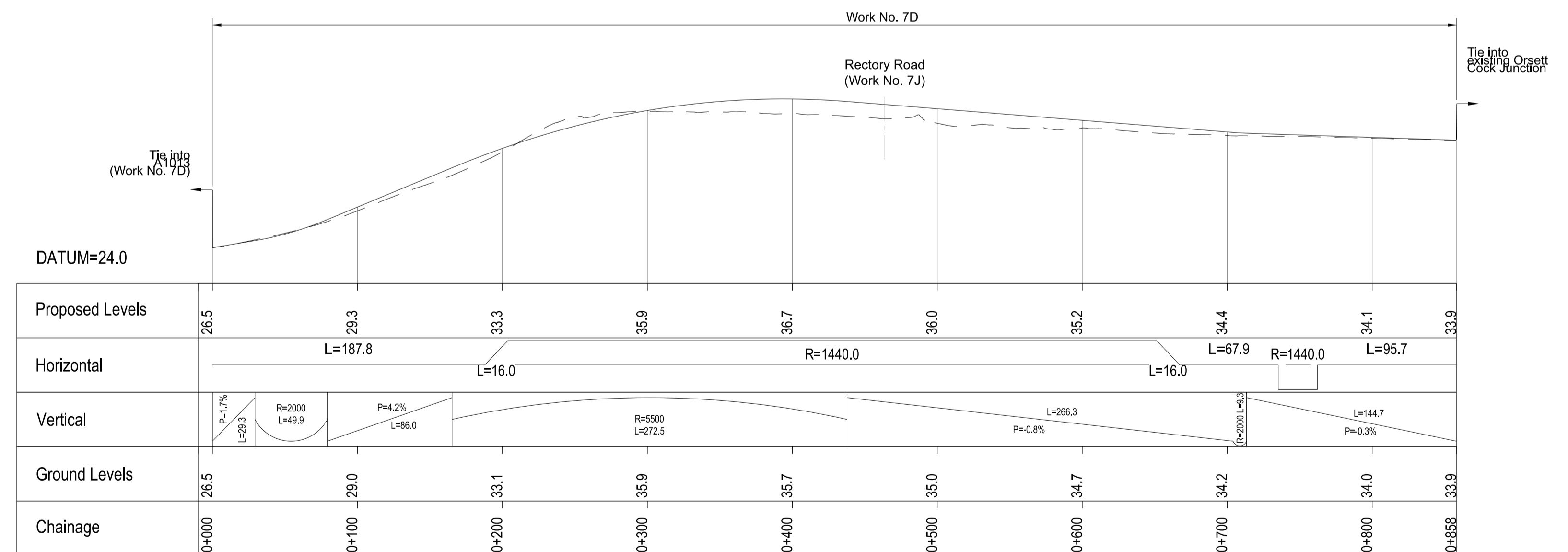
Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.9	Scale	AS SHOWN		
Drawing title	A13 JUNCTION - PLAN AND PROFILES REGULATION 5(2)(o) AND 6(2) SHEET 11				
Drawing Number	HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10511				



PLAN



RECTORY ROAD PROFILE

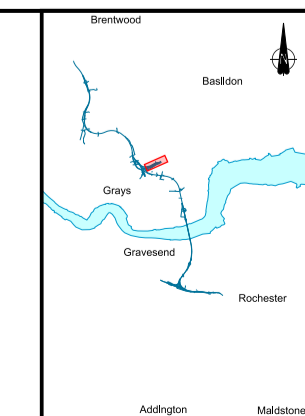
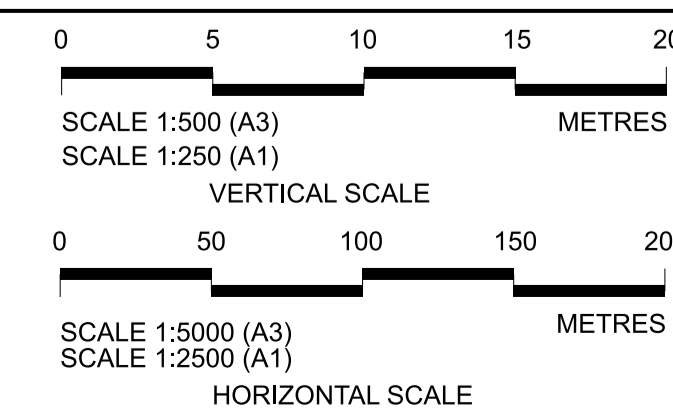


A1013 PROFILE

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

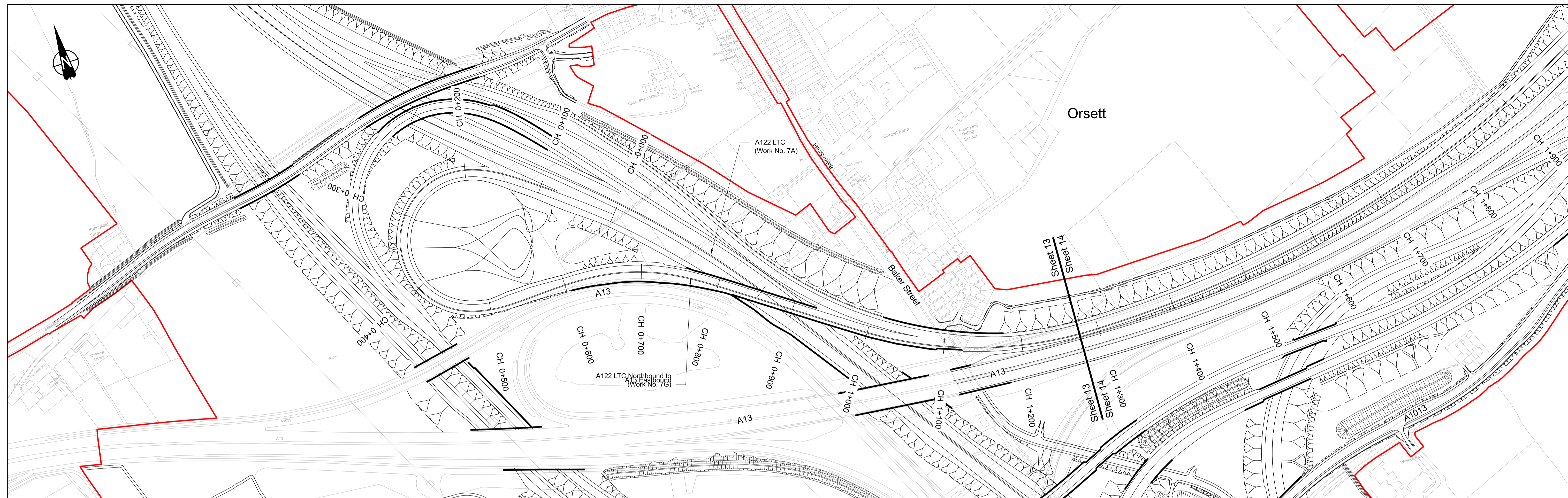
- NOTES:
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 - Profile uses an exaggerated scale of 1 horizontal : 10 Vertical.

- LEGEND:
- Existing ground level
 - Structure
 - Proposed road level
 - Structures - Bridge
 - Structures - Underpass
 - NB - Northbound
 - WB - Westbound
 - EB - Eastbound
 - SB - Southbound
 - MHWS - Mean High Water Springs
 - MLWS - Mean Low Water Springs
 - FRL - Finished Road Level
 - Maintenance access
 - Order Limits

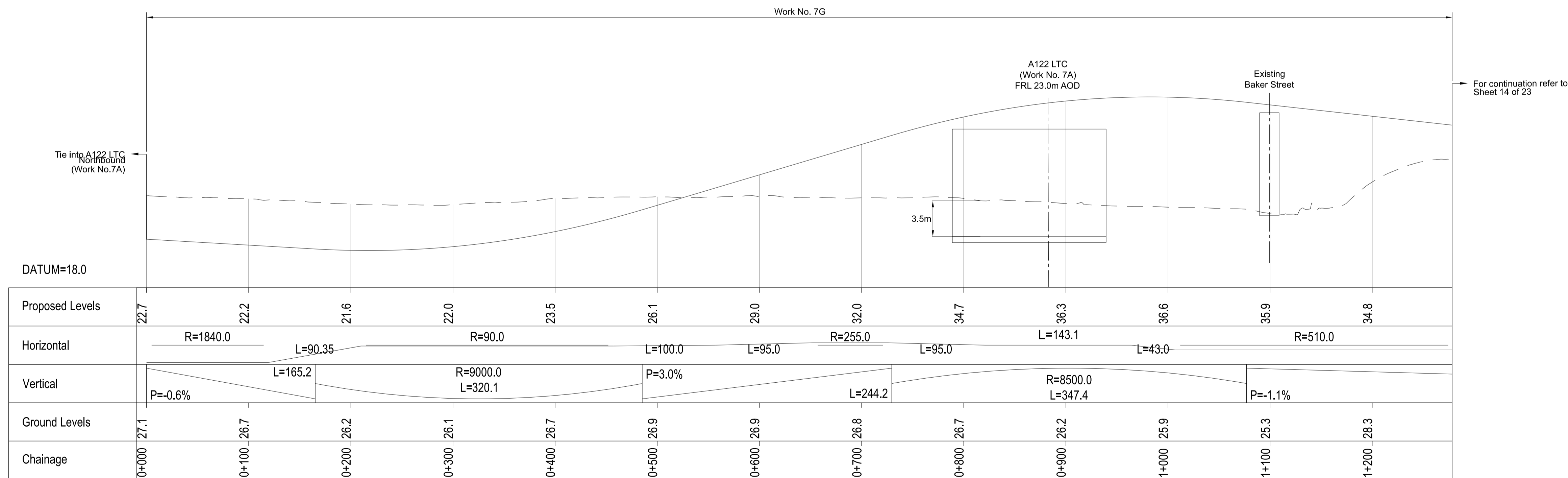


Client: national highways
 Project: LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.9	Scale	AS SHOWN		
Drawing title	A13 JUNCTION - PLAN AND PROFILES REGULATION 5(2)(o) AND 6(2) SHEET 12				
Drawing Number	HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10512				



PLAN

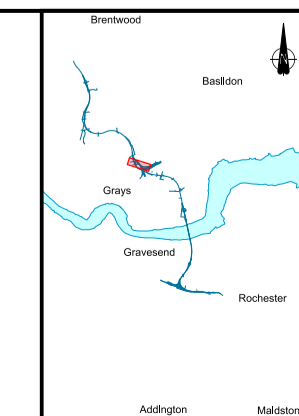
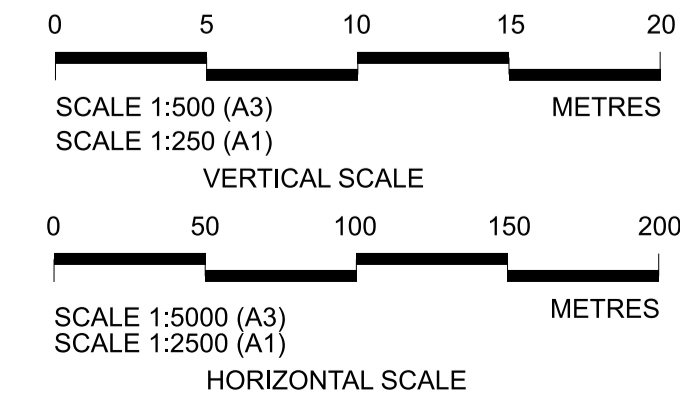


A122 LTC NORTHBOUND TO A13 EASTBOUND PROFILE PART 1

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

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 - Do not scale from this drawing.
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 - All levels are in metres relative to the Ordnance Datum.
 - Profile uses an exaggerated scale of 1 horizontal : 10 Vertical.

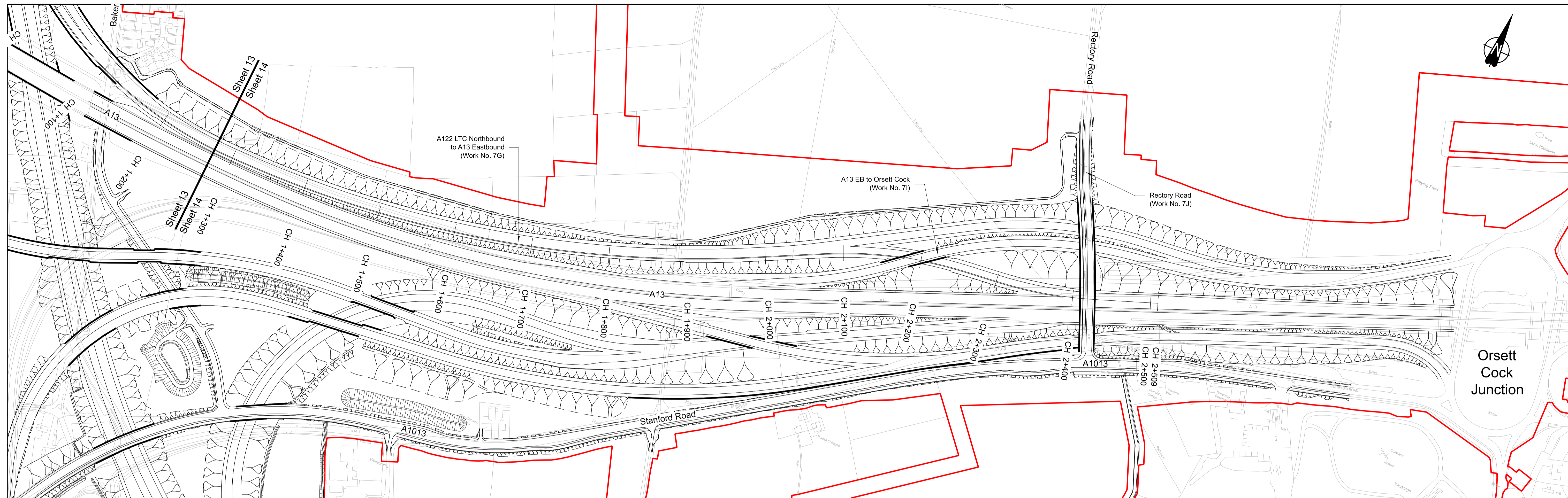
- LEGEND:**
- Existing ground level
 - Structure
 - Proposed road level
 - Structures - Bridge
 - Structures - Underpass
 - NB - Northbound
 - WB - Westbound
 - EB - Eastbound
 - SB - Southbound
 - MHWS - Mean High Water Springs
 - MLWS - Mean Low Water Springs
 - FRL - Finished Road Level
 - MA - Maintenance access
 - Order Limits



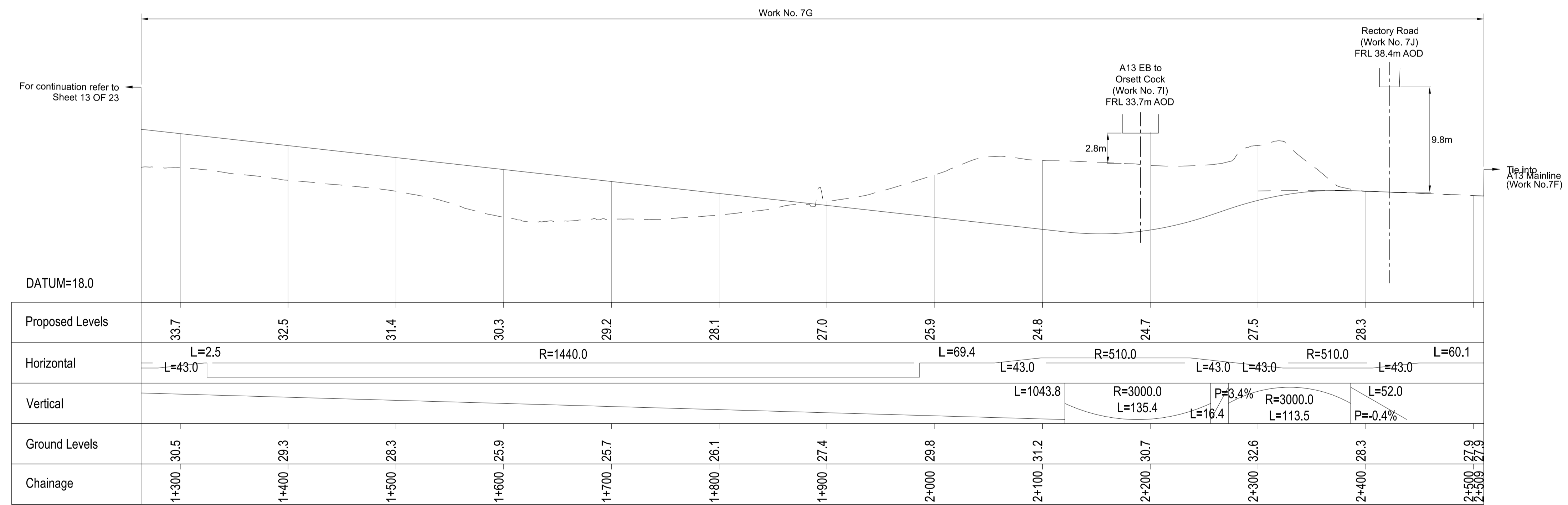
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	Revision
Application Document Number	TR010032/APP/2.9	A1	P02
Drawing Title	A13 JUNCTION - PLAN AND PROFILES REGULATION 5(2)(o) AND 6(2) SHEET 13		
Drawing Number	HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10513		



PLAN

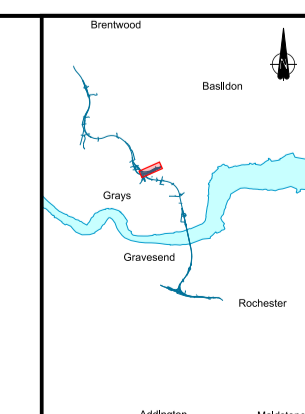
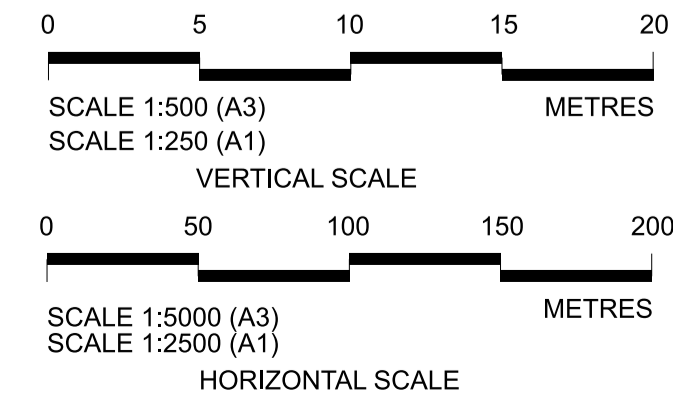


A122 LTC NORTHBOUND TO A13 EASTBOUND PROFILE PART 2

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

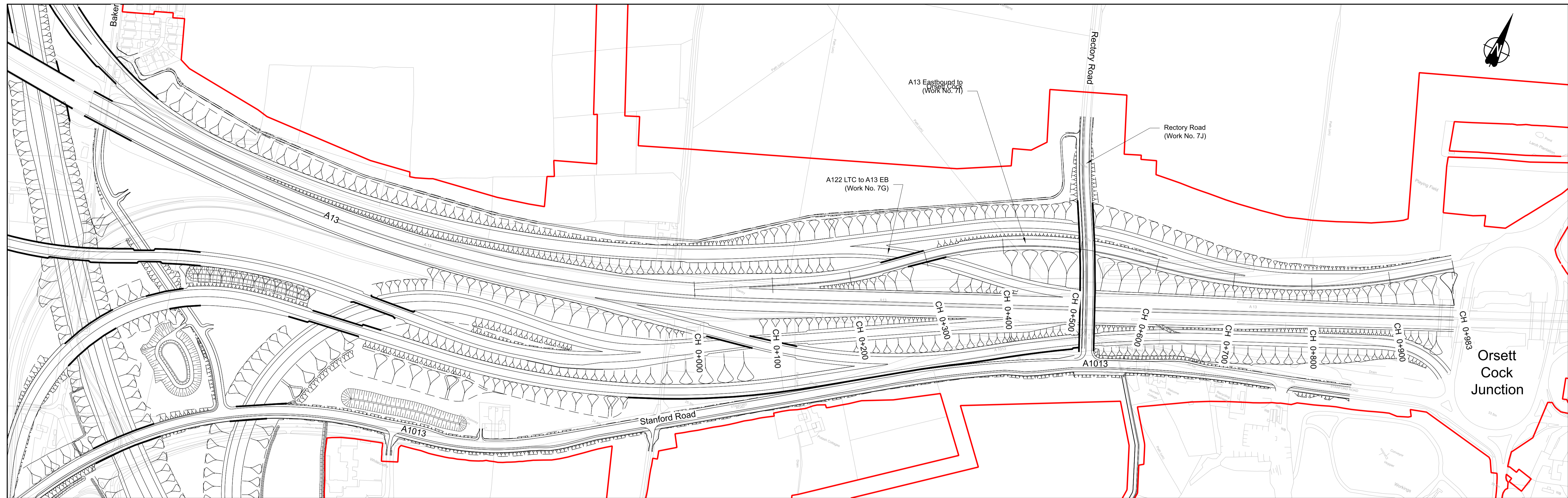
NOTES:
 1. The proposed works shown are illustrative only and will be subject to change as part of detailed design development. Any changes will be limited to being within the constraints included in the Development Consent Order (application document reference TR010032/APP/3.1).
 2. These plans should be read in conjunction with Schedule 1 (Authorised Development) of the Development Consent Order (application document reference TR010032/APP/3.1).
 3. Do not scale from this drawing.
 4. All dimensions are in metres unless stated otherwise.
 5. All levels are in metres relative to the Ordnance Datum.
 6. Profile uses an exaggerated scale of 1 horizontal : 10 Vertical.

LEGEND:
 - - - Existing ground level
 — Structure
 — Proposed road level
 — Structures - Bridge
 — Structures - Underpass
 NB - Northbound
 WB - Westbound
 EB - Eastbound
 SB - Southbound
 MHWS - Mean High Water Springs
 MLWS - Mean Low Water Springs
 FRL - Finished Road Level
 Maintenance access
 Order Limits

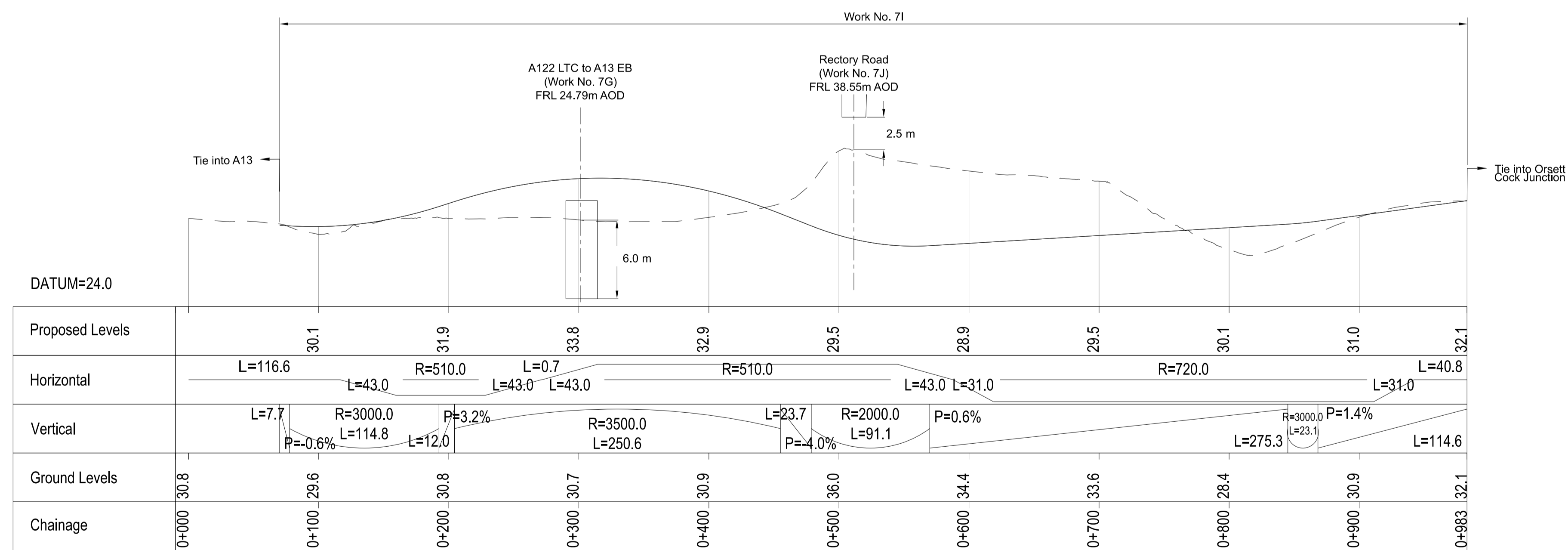


Client: national highways
 Project: LOWER THAMES CROSSING

Status	DCO Examination	Original Size	Revision
Application Document Number	TR010032/APP/2.9	A1	P02
Drawing title	A13 JUNCTION - PLAN AND PROFILES REGULATION 5(2)(o) AND 6(2) SHEET 14		
Drawing Number	HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10514		



PLAN



A13 EASTBOUND TO ORSETT COCK PROFILE

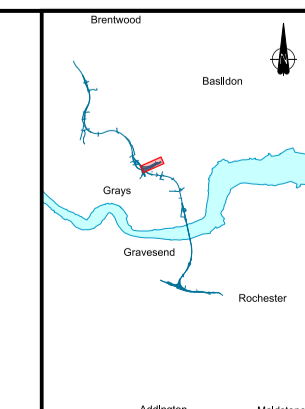
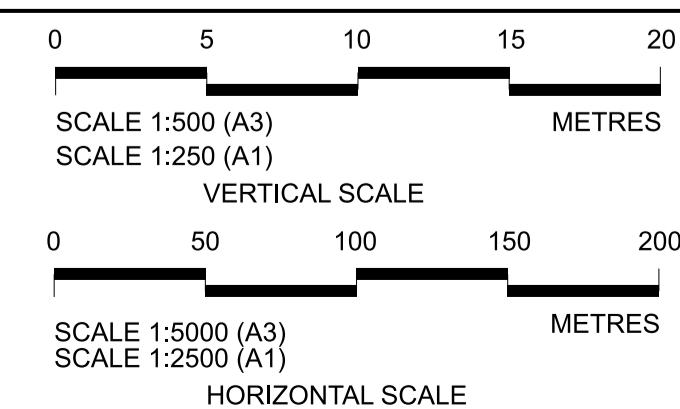
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	LY	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

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LEGEND:

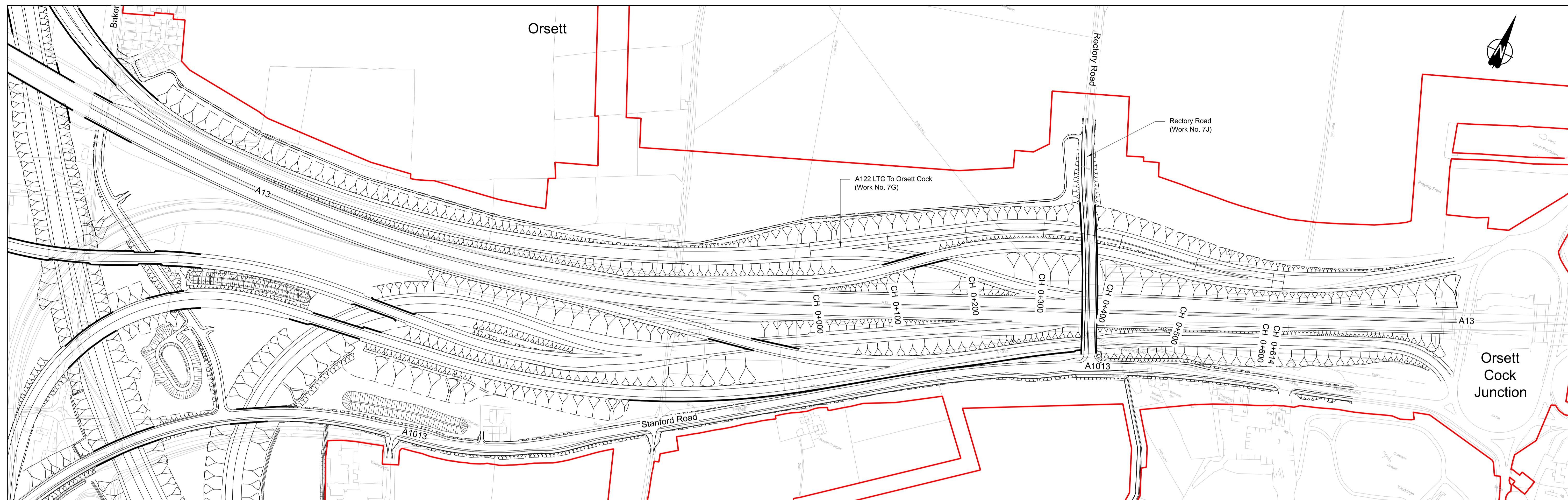
- Existing ground level
- Structure
- Proposed road level
- Structures - Bridge
- Structures - Underpass
- NB - Northbound
- WB - Westbound
- EB - Eastbound
- SB - Southbound
- MHWS - Mean High Water Springs
- MLWS - Mean Low Water Springs
- FRL - Finished Road Level
- Maintenance access
- Order Limits



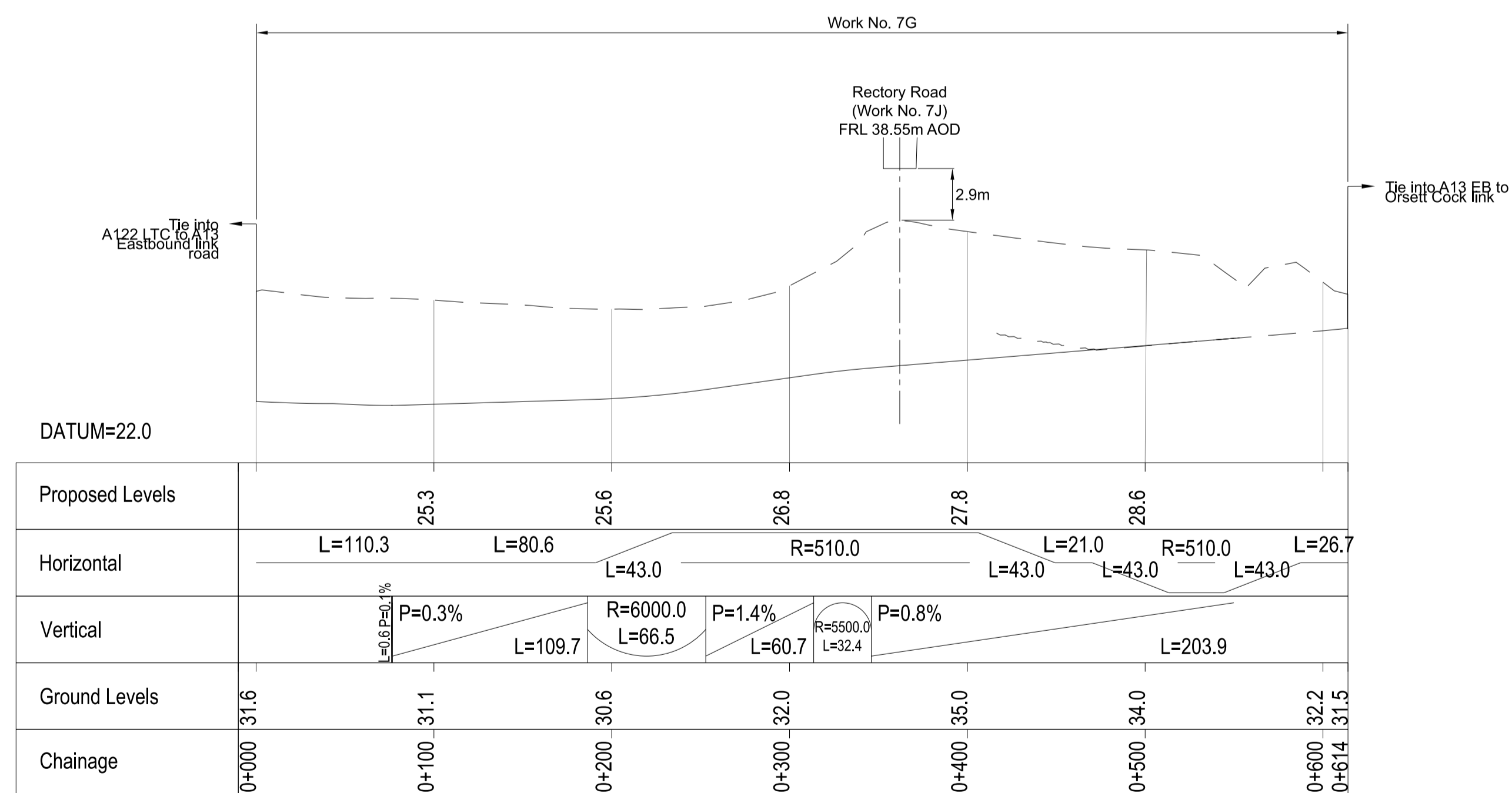
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Examination	Original Size	Revision
Application Document Number	TR010032/APP/2.9	A1	P02
Drawing title	A13 JUNCTION - PLAN AND PROFILES REGULATION 5(2)(o) AND 6(2) SHEET 15		
Drawing Number	HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10515		



PLAN



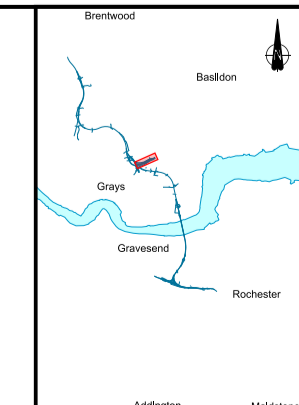
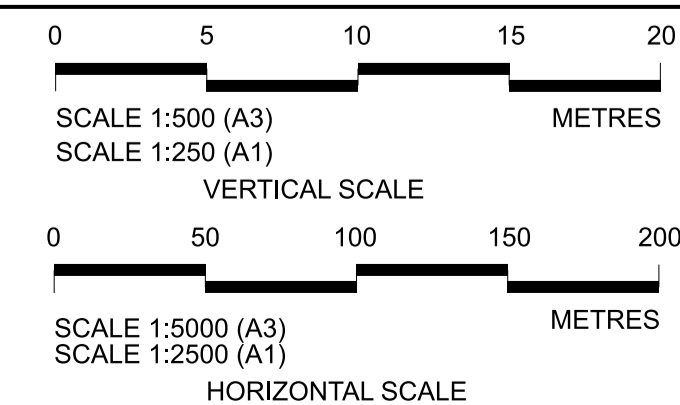
A122 LTC NORTHBOUND TO ORSETT COCK PROFILE

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

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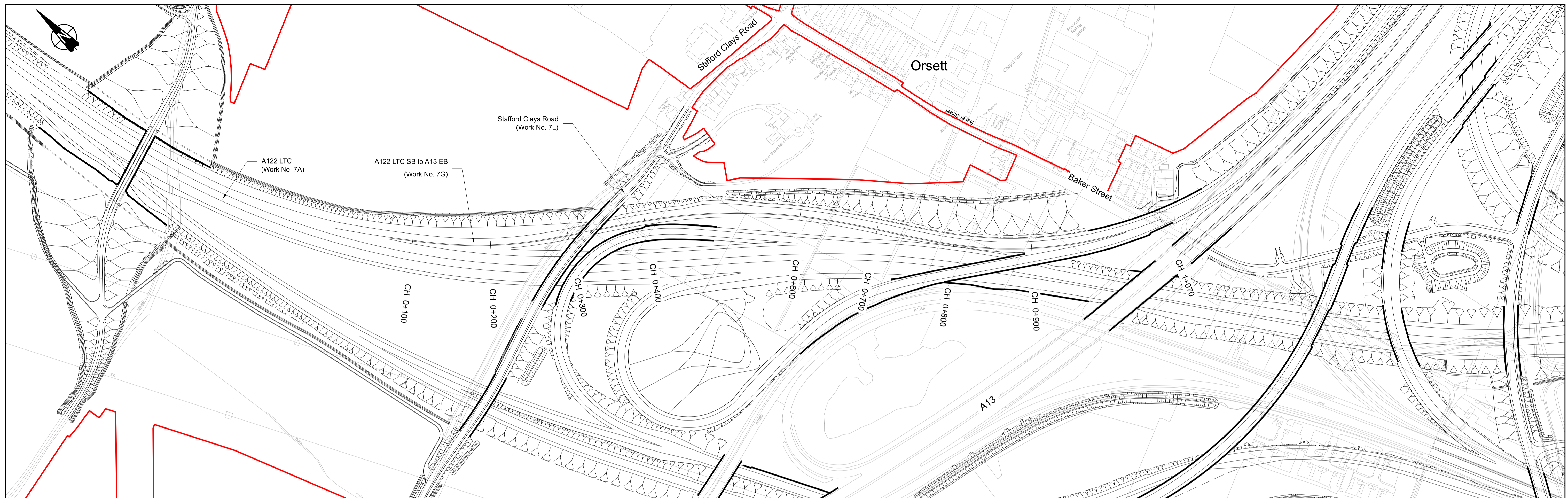
LEGEND:

--- Existing ground level	NB - Northbound
— Structure	WB - Westbound
— Proposed road level	EB - Eastbound
— Structures - Bridge	SB - Southbound
— Structures - Underpass	MHWS - Mean High Water Springs
	MLWS - Mean Low Water Springs
	FRL - Finished Road Level
	Maintenance access
	Order Limits

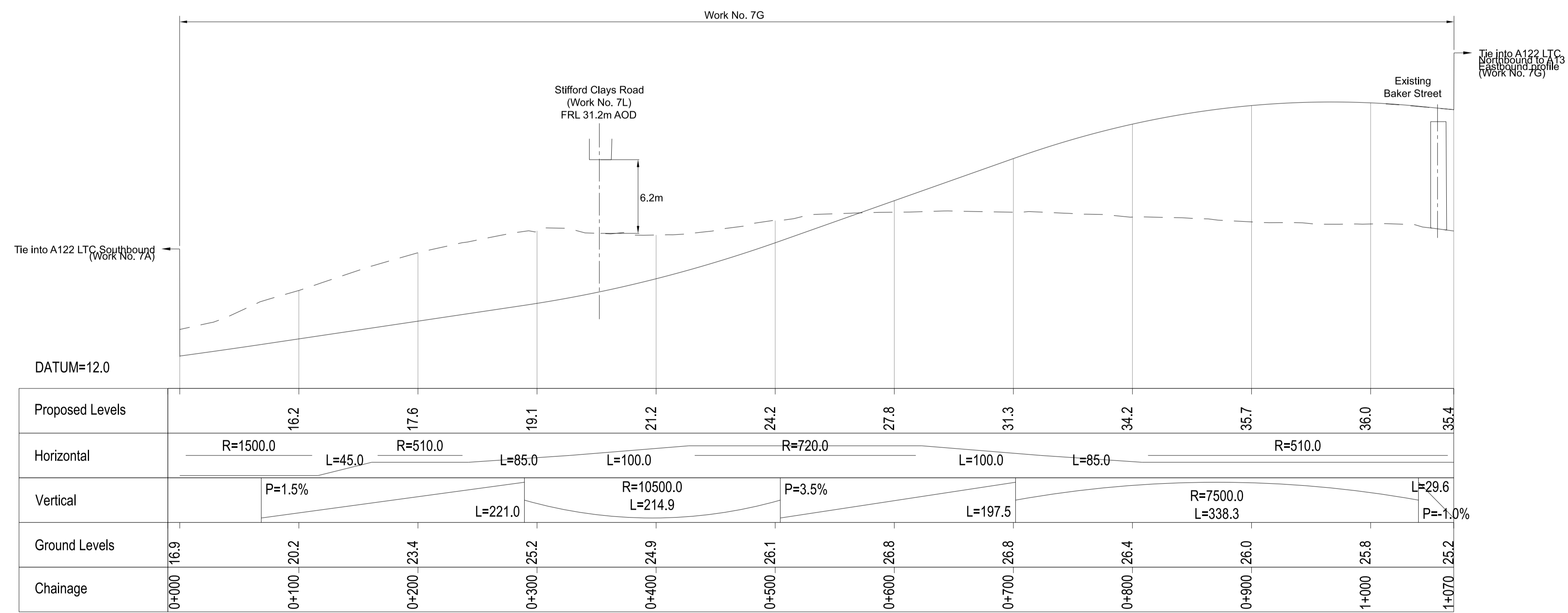


Client: **national highways**
 Project: **LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	Revision
Application Document Number	TR010032/APP/2.9	A1	P02
Drawing title	A13 JUNCTION - PLAN AND PROFILES REGULATION 5(2)(o) AND 6(2) SHEET 16		
Drawing Number	HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10516		



PLAN

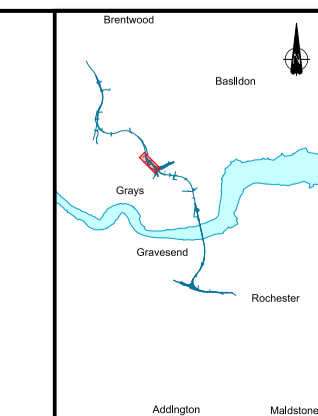
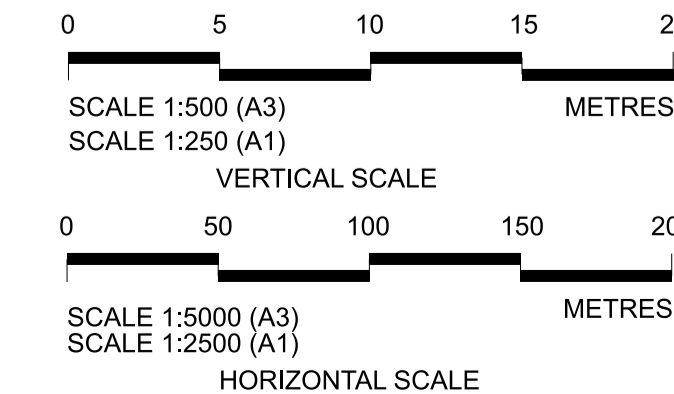


A122 LTC SOUTHBOUND TO A13 EASTBOUND PROFILE

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

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 - All levels are in metres relative to the Ordnance Datum.
 - Profile uses an exaggerated scale of 1 horizontal : 10 Vertical.

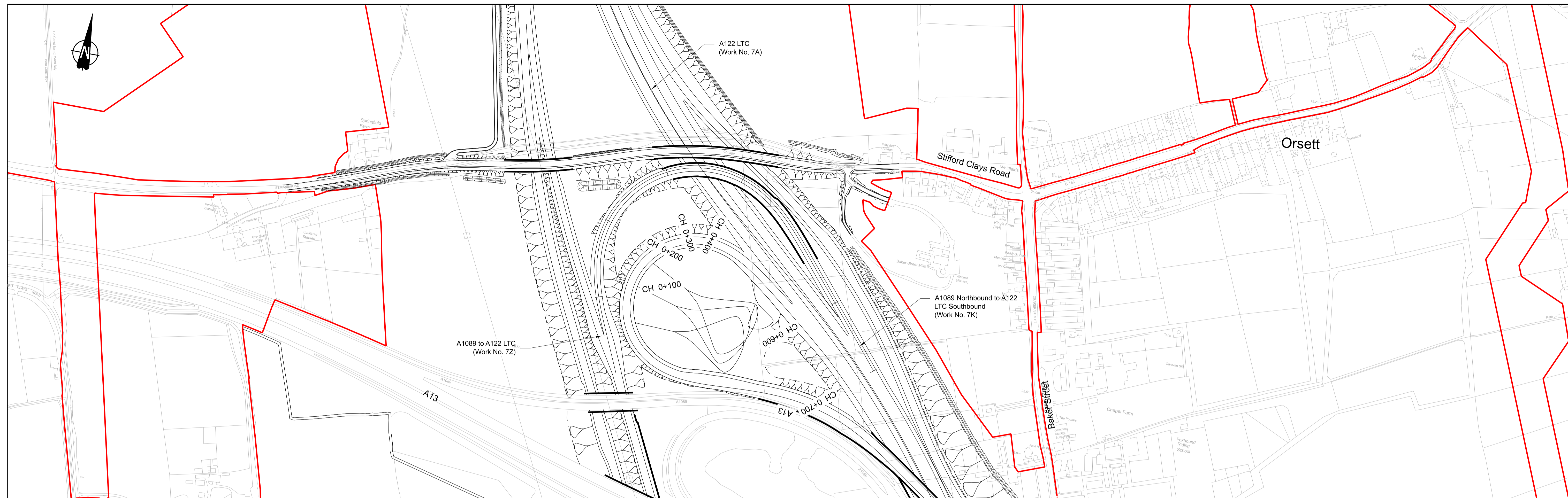
- LEGEND:
- Existing ground level
 - Structure
 - Proposed road level
 - Structures - Bridge
 - Structures - Underpass
 - NB - Northbound
 - WB - Westbound
 - EB - Eastbound
 - SB - Southbound
 - MHWS - Mean High Water Springs
 - MLWS - Mean Low Water Springs
 - FRL - Finished Road Level
 - MA - Maintenance access
 - Order Limits



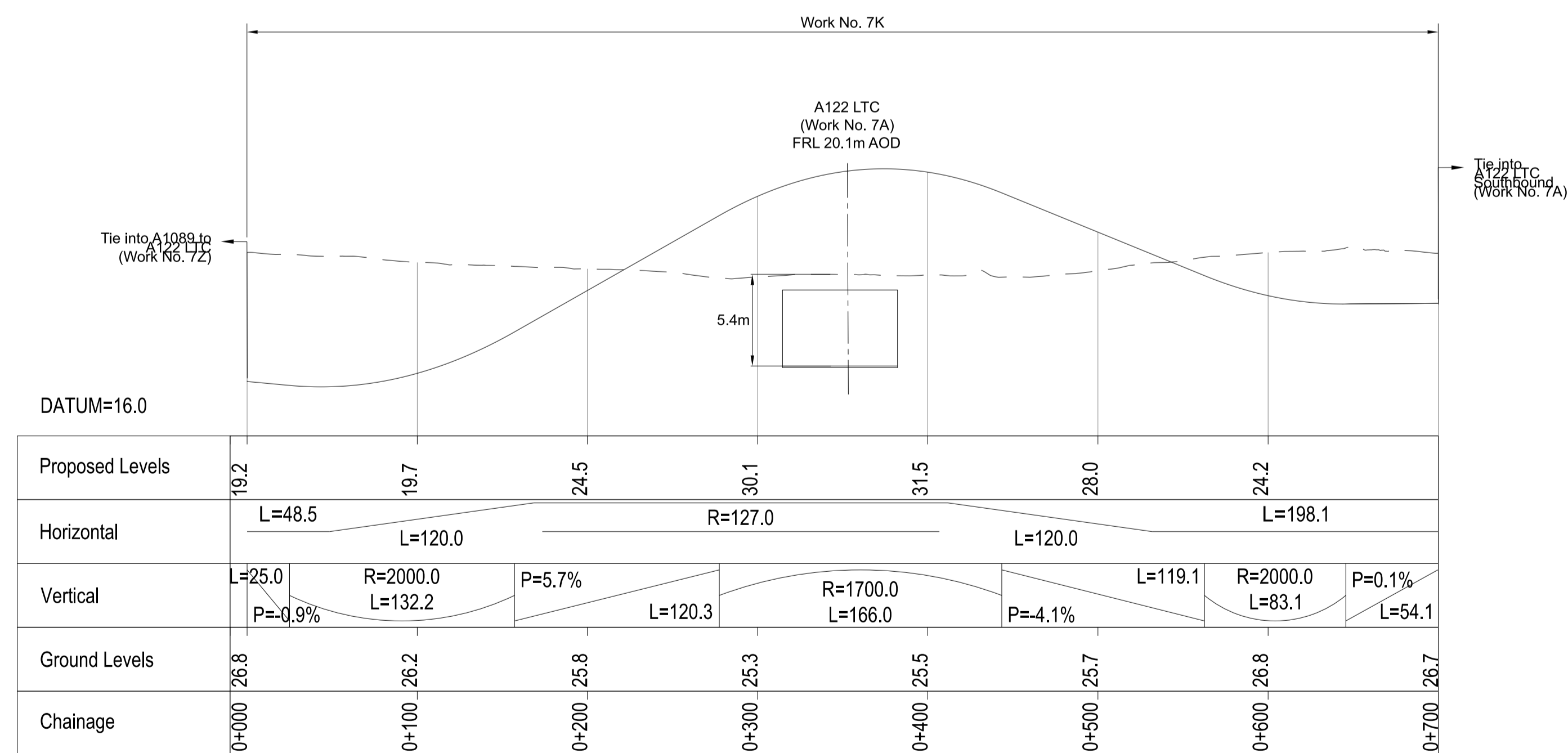
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Examination	Original Size	Revision
Application Document Number	TR010032/APP/2.9	A1	P02
Drawing title	A13 JUNCTION - PLAN AND PROFILES REGULATION 5(2)(o) AND 6(2) SHEET 17		
Drawing Number	HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10517		



PLAN

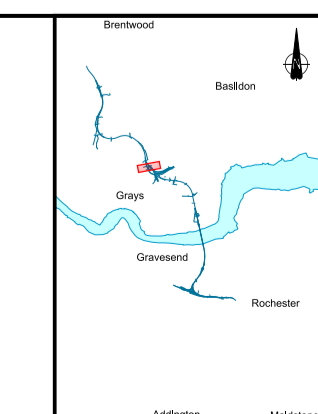
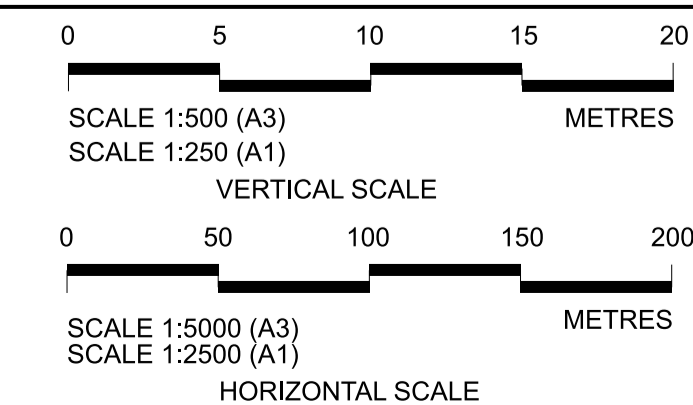


A1089 NORTHBOUND TO A122 LTC SOUTHBOUND PROFILE

Contains Ordnance Survey data. © Crown copyright and database rights 2023. Ordnance Survey 100030649																					
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P01	S8	19/10/2022	DCO Application	LY	BB	ASB															
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB															
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd															

- NOTES:
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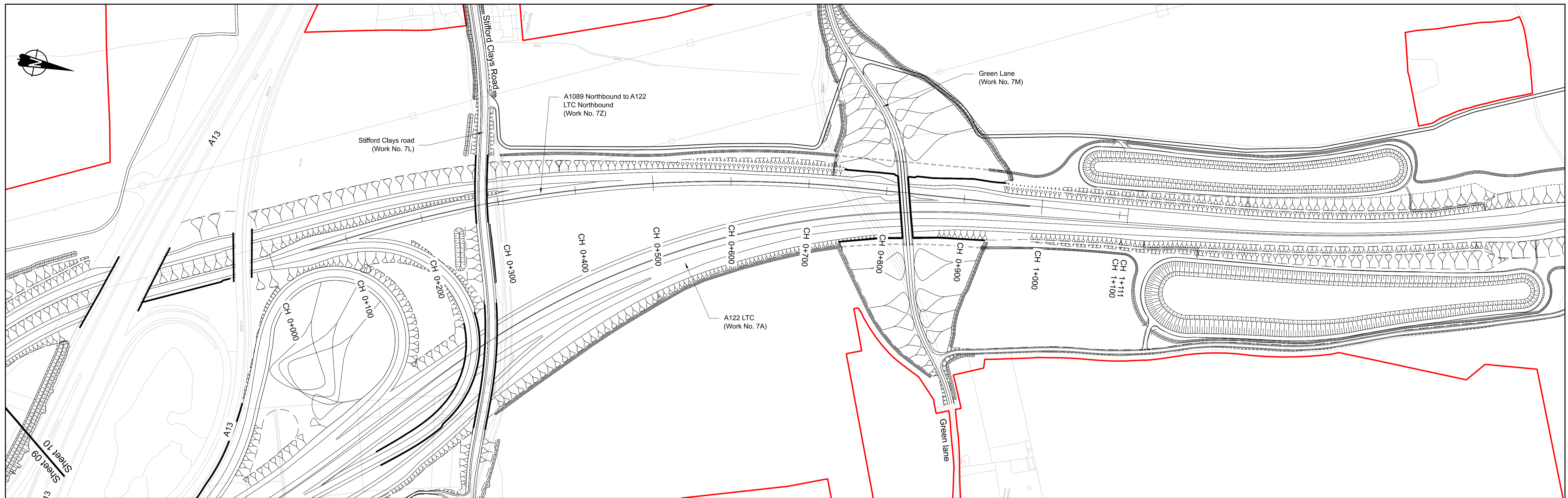
- LEGEND:
- Existing ground level
 - Structure
 - Proposed road level
 - Structures - Bridge
 - Structures - Underpass
 - NB - Northbound
 - WB - Westbound
 - EB - Eastbound
 - SB - Southbound
 - MHWS - Mean High Water Springs
 - MLWS - Mean Low Water Springs
 - FRL - Finished Road Level
 - Maintenance access
 - Order Limits



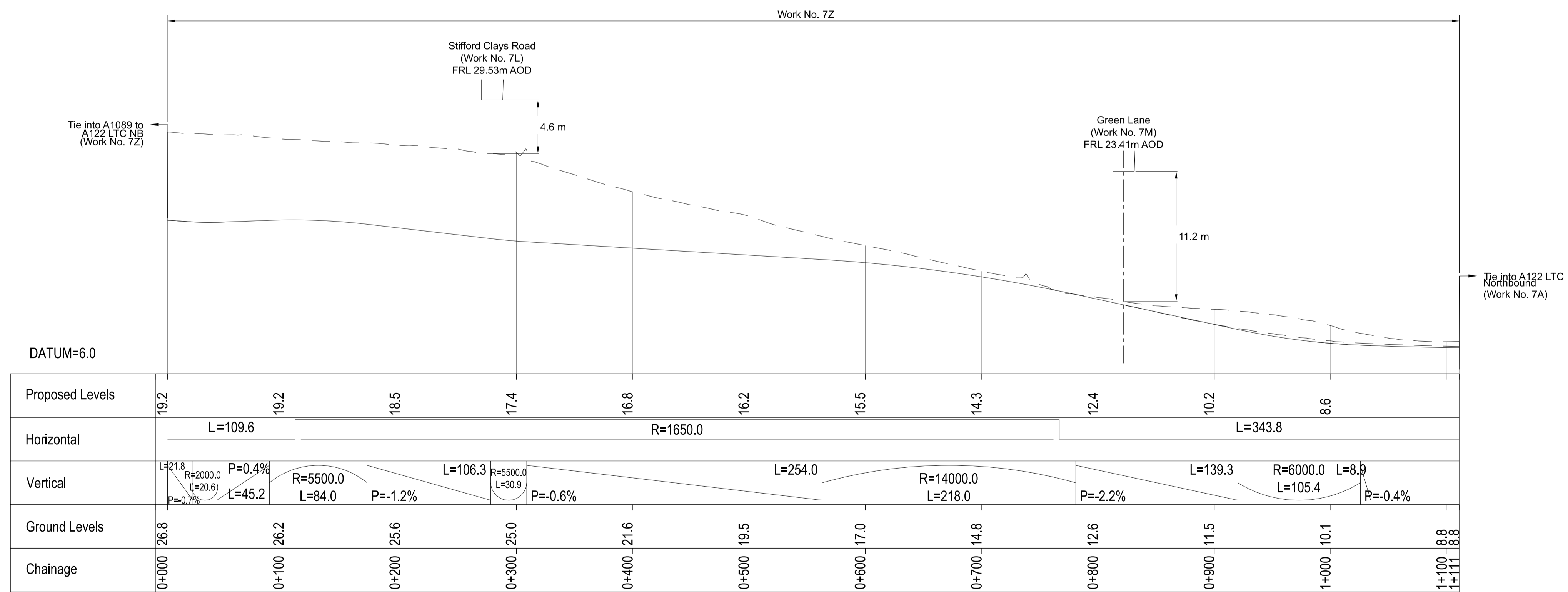
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.9	Scale	AS SHOWN		
Drawing title	A13 JUNCTION - PLAN AND PROFILES REGULATION 5(2)(o) AND 6(2) SHEET 18				
Drawing Number	HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10518				



PLAN

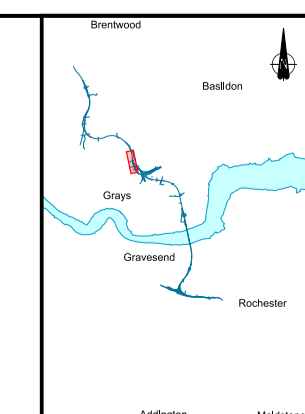
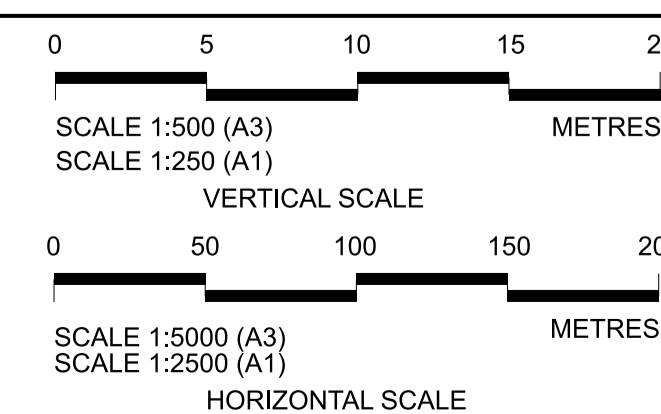


A1089 NORTHBOUND TO A122 LTC NORTHBOUND PROFILE

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

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 - All levels are in metres relative to the Ordnance Datum.
 - Profile uses an exaggerated scale of 1 horizontal : 10 Vertical.

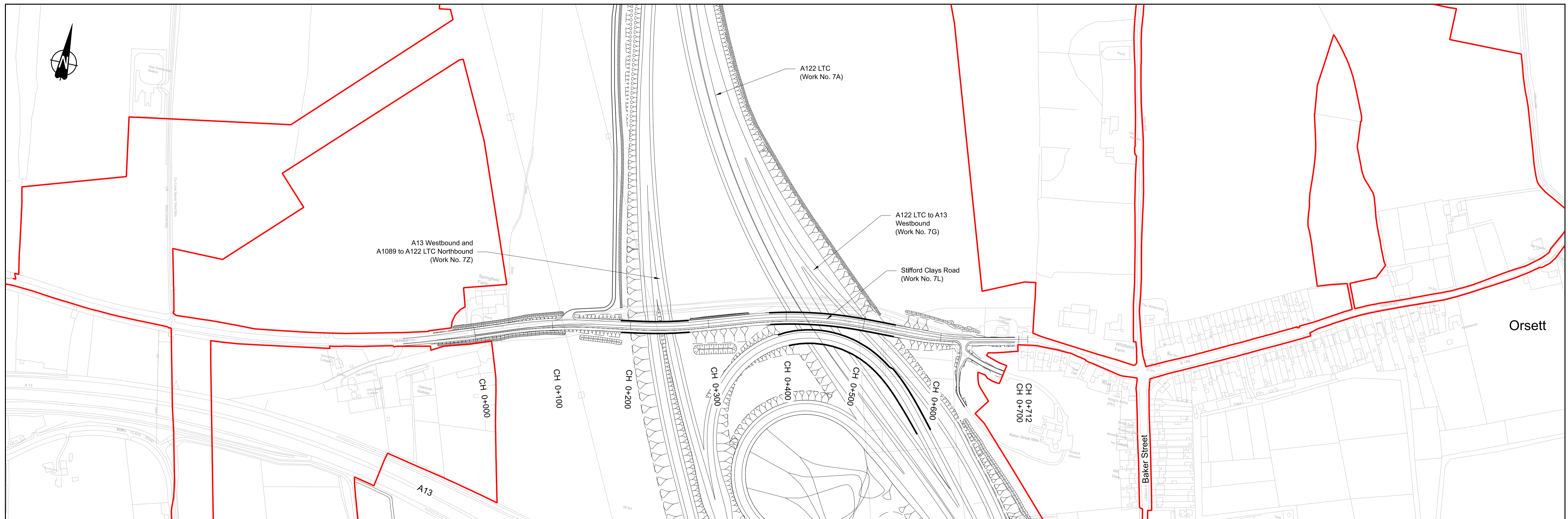
- LEGEND:
- Existing ground level
 - Structure
 - Proposed road level
 - Structures - Bridge
 - Structures - Underpass
 - NB - Northbound
 - WB - Westbound
 - EB - Eastbound
 - SB - Southbound
 - MHWS - Mean High Water Springs
 - MLWS - Mean Low Water Springs
 - FRL - Finished Road Level
 - Maintenance access
 - Order Limits



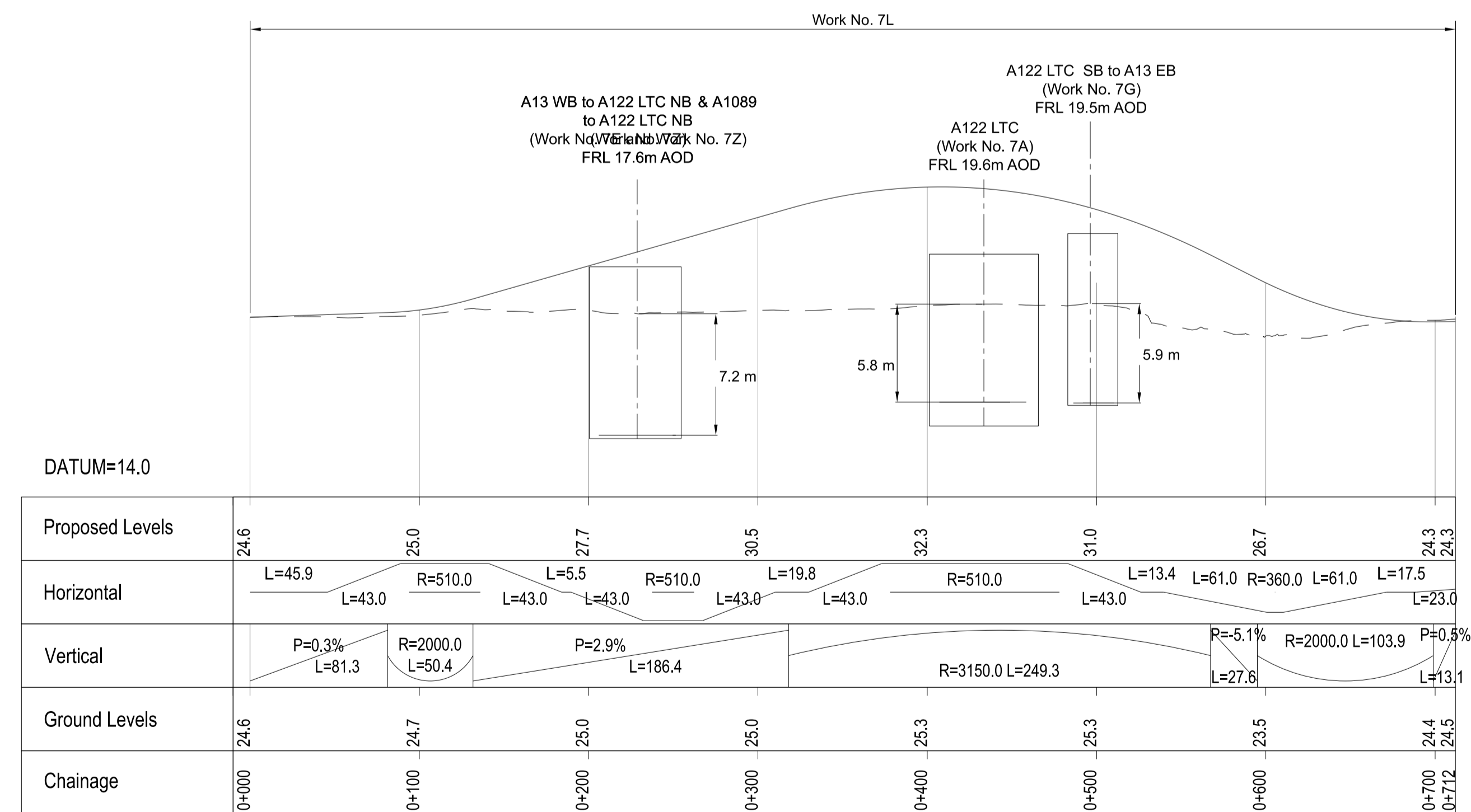
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.9	Scale	AS SHOWN		
Drawing title	A13 JUNCTION - PLAN AND PROFILES REGULATION 5(2)(o) AND 6(2) SHEET 19				
Drawing Number	HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10519				



PLAN

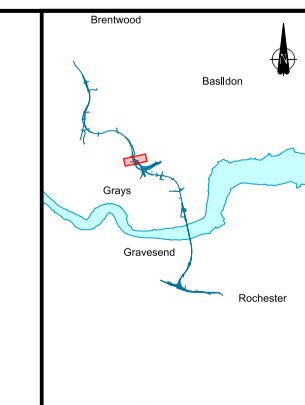
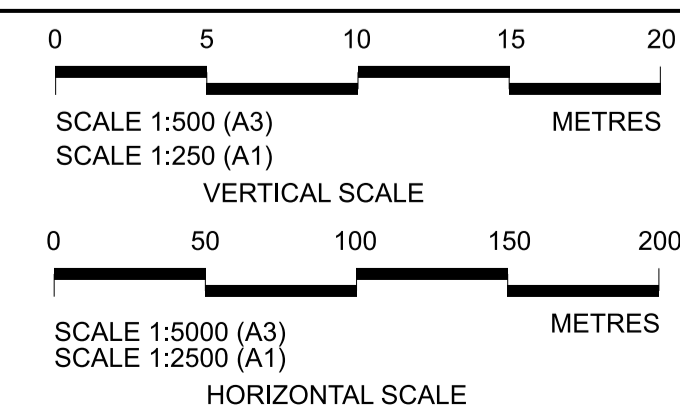


STIFFORD CLAYS ROAD PROFILE

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

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 5. All levels are in metres relative to the Ordnance Datum.
 6. Profile uses an exaggerated scale of 1 horizontal : 10 Vertical.

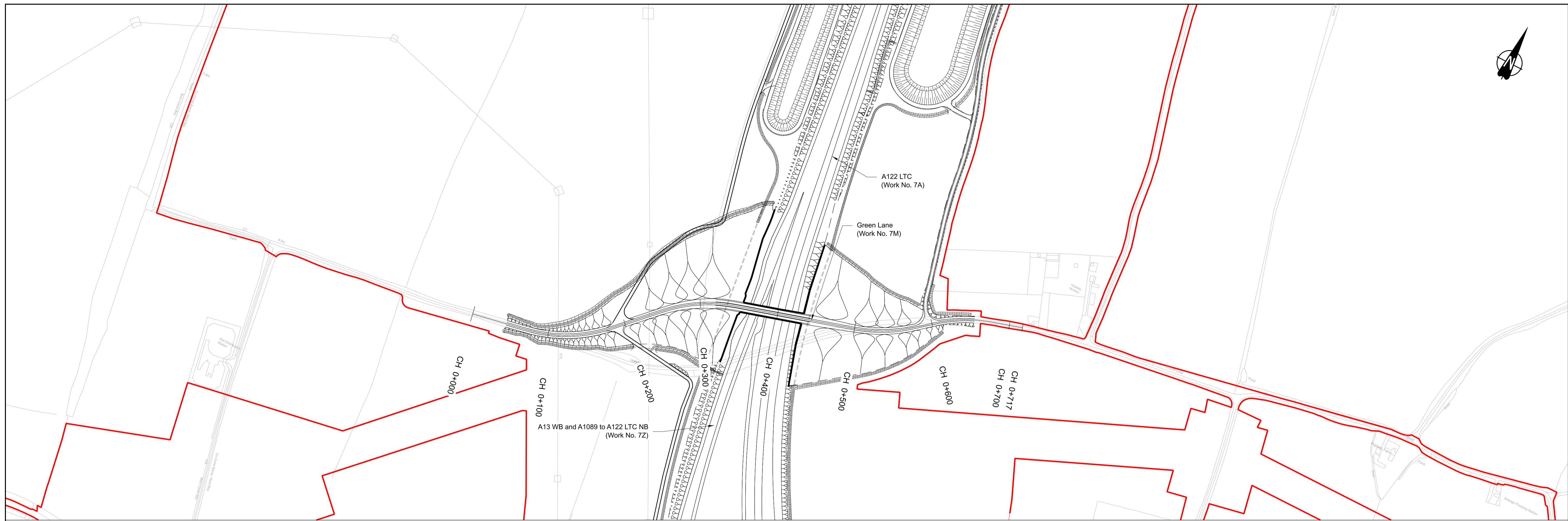
- LEGEND:**
- Existing ground level
 - Structure
 - Proposed road level
 - ▭ Structures - Bridge
 - ▭ Structures - Underpass
 - NB - Northbound
 - WB - Westbound
 - EB - Eastbound
 - SB - Southbound
 - MHWS - Mean High Water Springs
 - MLWS - Mean Low Water Springs
 - FRL - Finished Road Level
 - Maintenance access
 - Order Limits



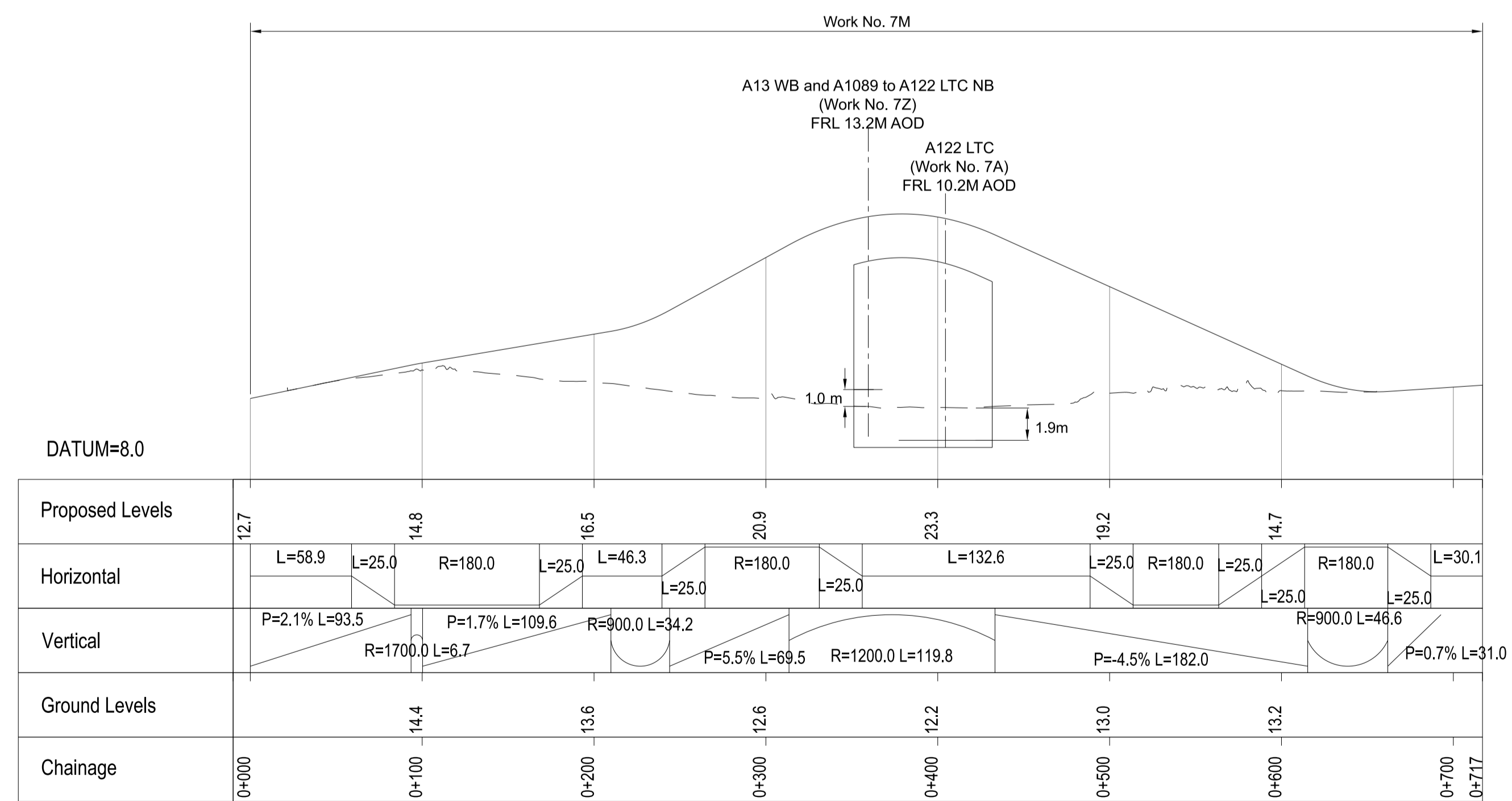
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.9	Scale	AS SHOWN		
Drawing title	A13 JUNCTION - PLAN AND PROFILES REGULATION 5(2)(o) AND 6(2) SHEET 20				
Drawing Number	HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10520				



PLAN

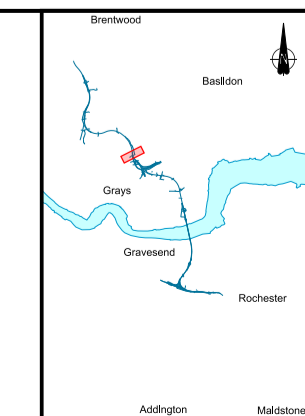
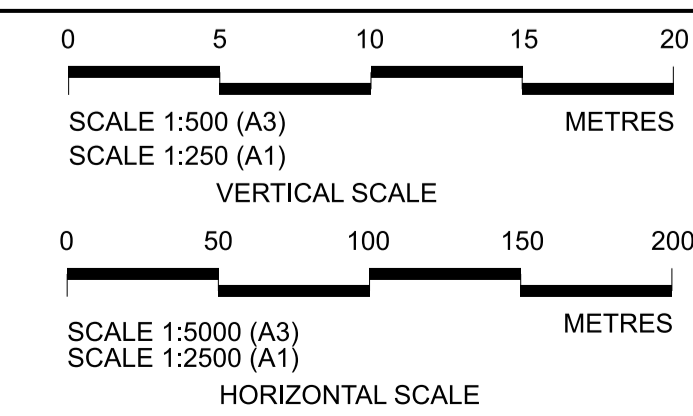


GREEN LANE PROFILE

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<table border="1"> <tr> <td>P01</td> <td>S8</td> <td>19/10/2022</td> <td>DCO Application</td> <td>LY</td> <td>BB</td> <td>ASB</td> </tr> <tr> <td>P02</td> <td>S8</td> <td>11/12/2023</td> <td>Deadline 9</td> <td>GP</td> <td>RO</td> <td>ASB</td> </tr> </table>	P01	S8	19/10/2022	DCO Application	LY	BB	ASB	P02	S8	11/12/2023	Deadline 9	GP	RO	ASB
P01	S8	19/10/2022	DCO Application	LY	BB	ASB								
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB								
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd								

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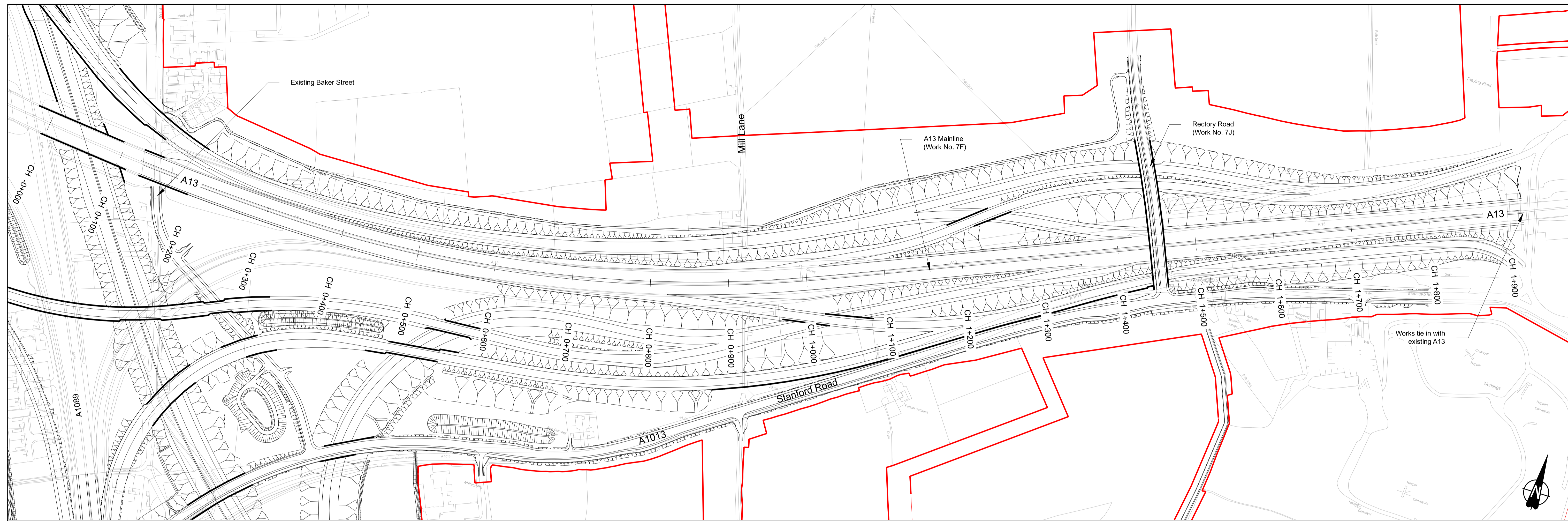
- LEGEND:
- Existing ground level
 - Structure
 - Proposed road level
 - Structures - Bridge
 - Structures - Underpass
 - NB - Northbound
 - WB - Westbound
 - EB - Eastbound
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 - MHWS - Mean High Water Springs
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 - Maintenance access
 - Order Limits



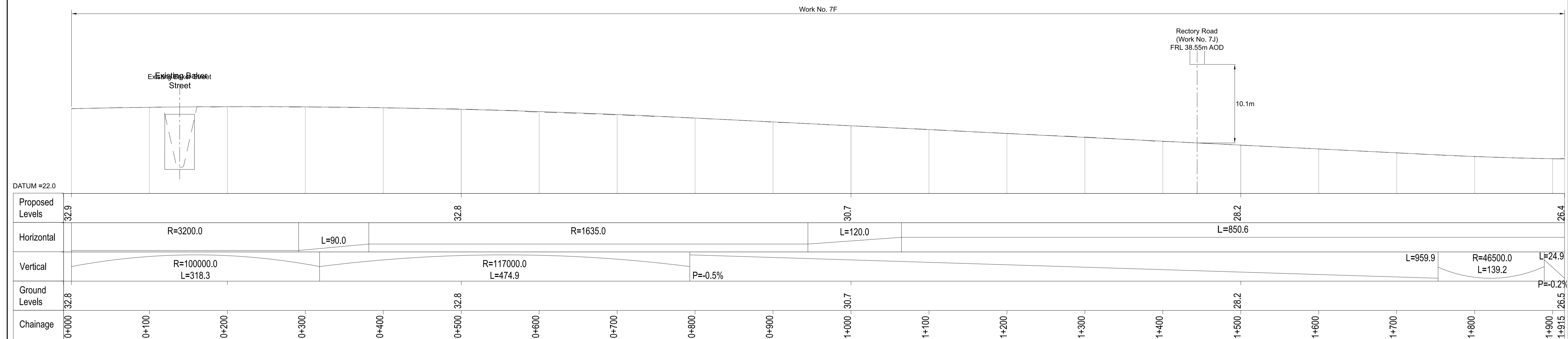
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.9	Scale	AS SHOWN		
Drawing title	A13 JUNCTION - PLAN AND PROFILES REGULATION 5(2)(o) AND 6(2) SHEET 21				
Drawing Number	HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10521				



PLAN

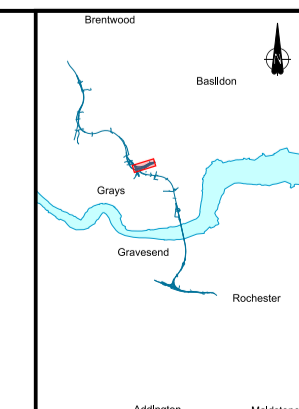
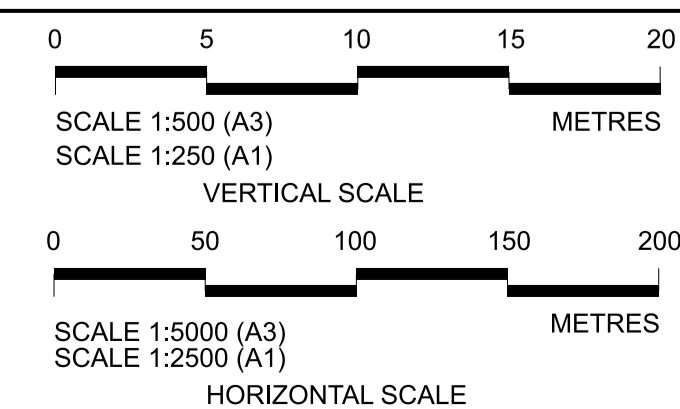


A13 MAINLINE PROFILE

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

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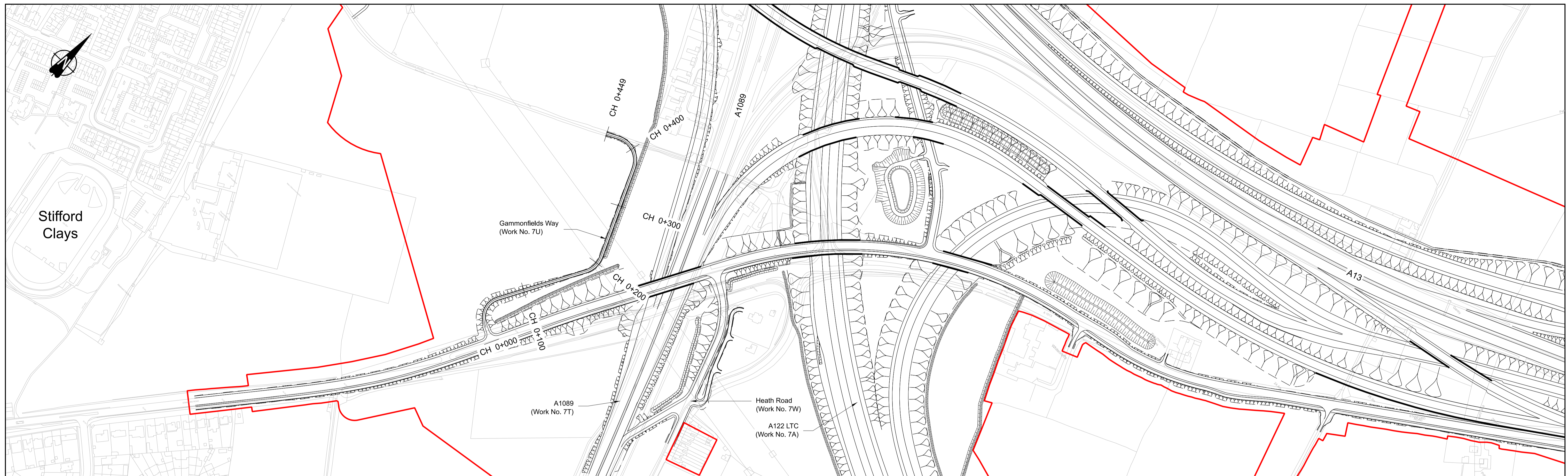
- LEGEND:**
- - - Existing ground level
 - Structure
 - Proposed road level
 - ▭ Structures - Bridge
 - ▭ Structures - Underpass
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 - WB - Westbound
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 - Order Limits



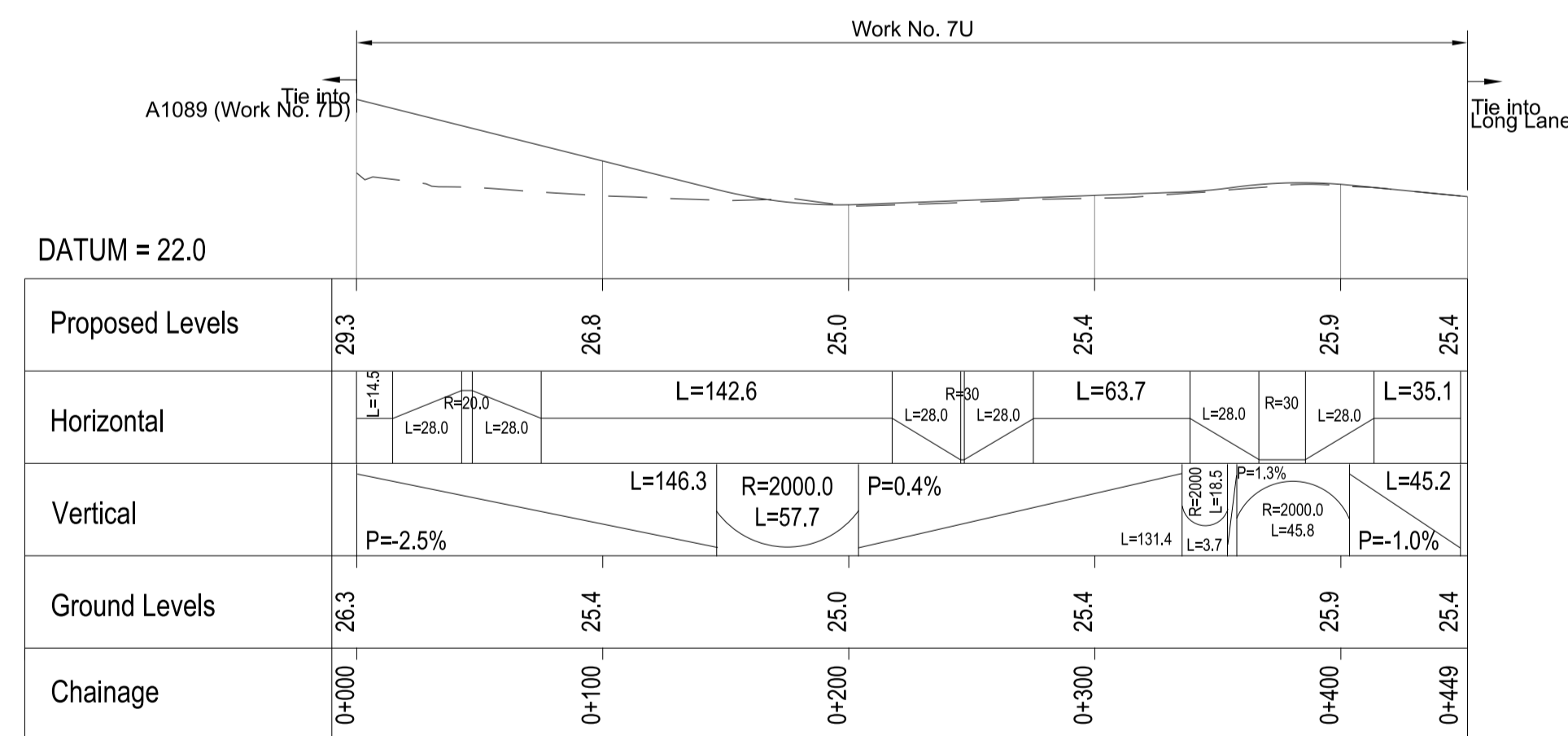
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.9	Scale	AS SHOWN		
Drawing title	A13 JUNCTION - PLAN AND PROFILES REGULATION 5(2)(o) AND 6(2) SHEET 22				
Drawing Number	HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10522				



PLAN



GAMMONFIELDS WAY PROFILE

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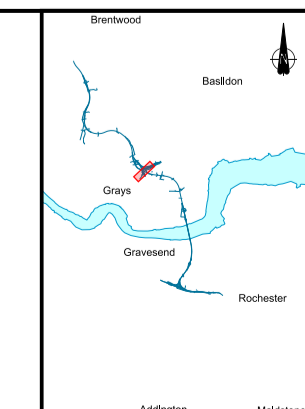
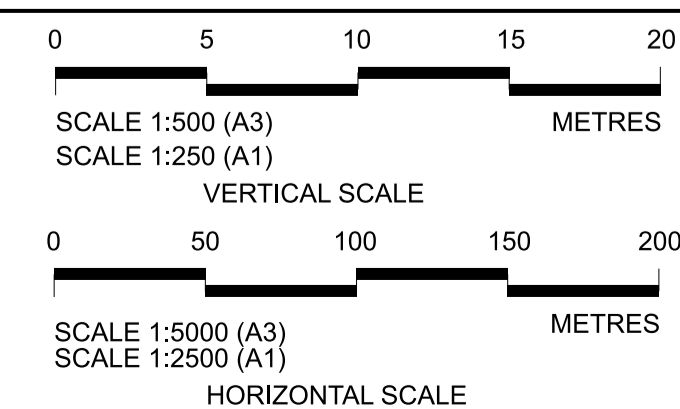
P01	S8	19/10/2022	DCO Application	LY	BB	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

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LEGEND:

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- EB - Eastbound
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- MA - Maintenance access
- Order Limits



Client

Project

LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.9	Scale	AS SHOWN		
Drawing title	A13 JUNCTION - PLAN AND PROFILES				
	REGULATION 5(2)(o) AND 6(2)				
	SHEET 23				
Drawing Number	HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10523				

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