

# Lower Thames Crossing

## 2.9 Engineering Drawings and Sections

### Volume F (A13 junction plan and profiles)

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

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

Volume 2

**DATE: October 2022**

Planning Inspectorate Scheme Ref: TR010032  
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**VERSION: 1.0**

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# Lower Thames Crossing

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# 1 Introduction

- 1.1.1 This document is submitted to the Planning Inspectorate on behalf of the Secretary of State in relation to an application made by National Highways (the Applicant) under section 37 of the Planning Act 2008.
- 1.1.2 The application is for the grant of development consent for the A122 Lower Thames Crossing. Should development consent be granted, the draft A122 (Lower Thames Crossing) Development Consent Order (Application Document 3.1) (the draft Order) will be made by the Secretary of State (subject to any modifications considered appropriate).
- 1.1.3 This document comprises part of the suite of application documentation and is included in the application to comply with Regulations 5(2)(o) and 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).
- 1.1.6 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)).
- 1.1.7 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.

## 2 Schedule of Plans included in this application document

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A122 LTC PLAN AND PROFILES REGULATION 5(2)(o) AND 6(2) KEY PLAN	TR010032/APP/2.9	P01
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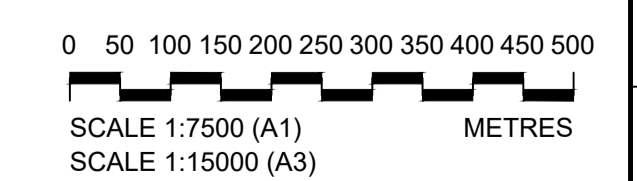



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd'd	Apprv'd
P01	S8	19/10/2022	DCO Application	LY	BB	ASB

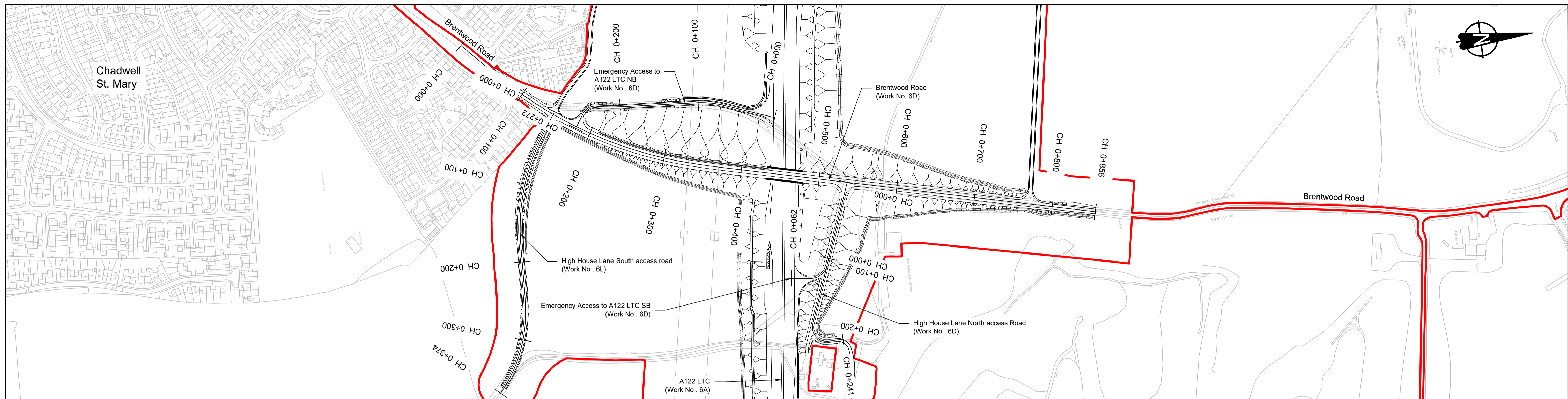
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- Proposed Route
- Order Limits
- - - - Local Authority Boundary

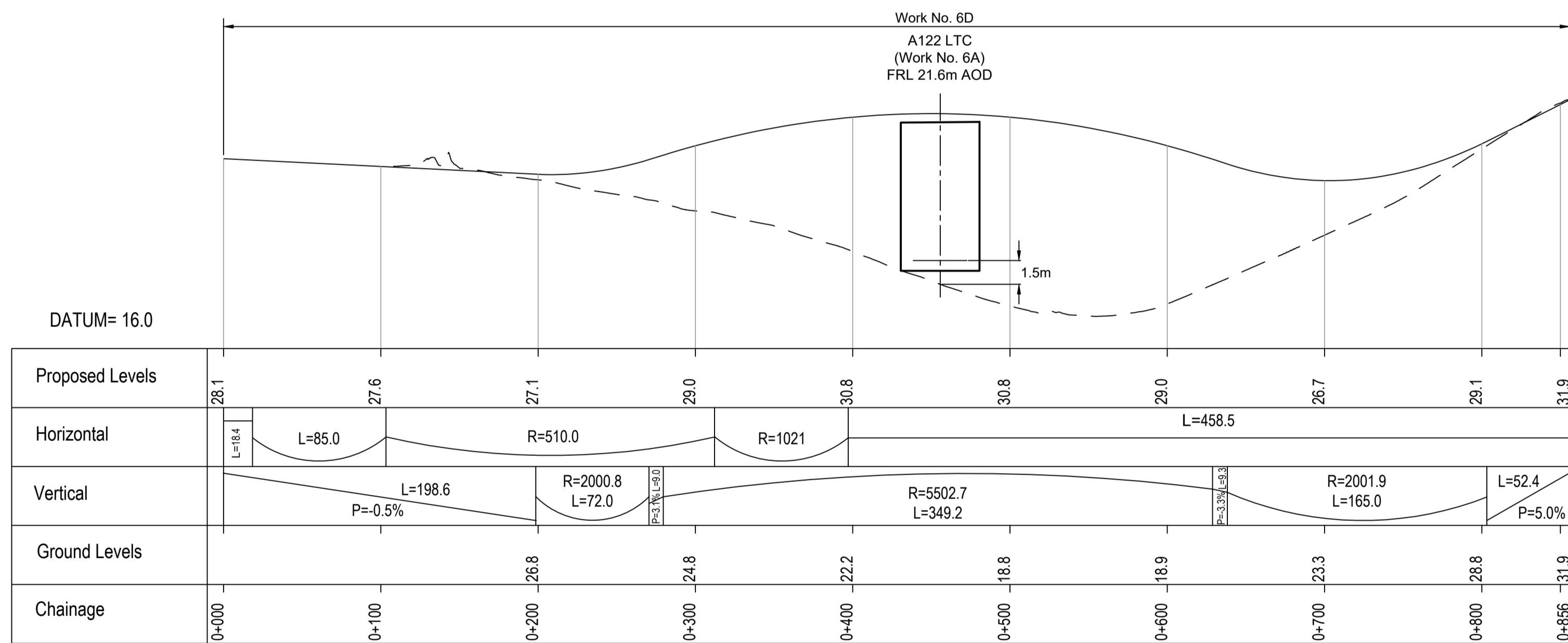


Client  
  
 Project  
**LOWER THAMES CROSSING**

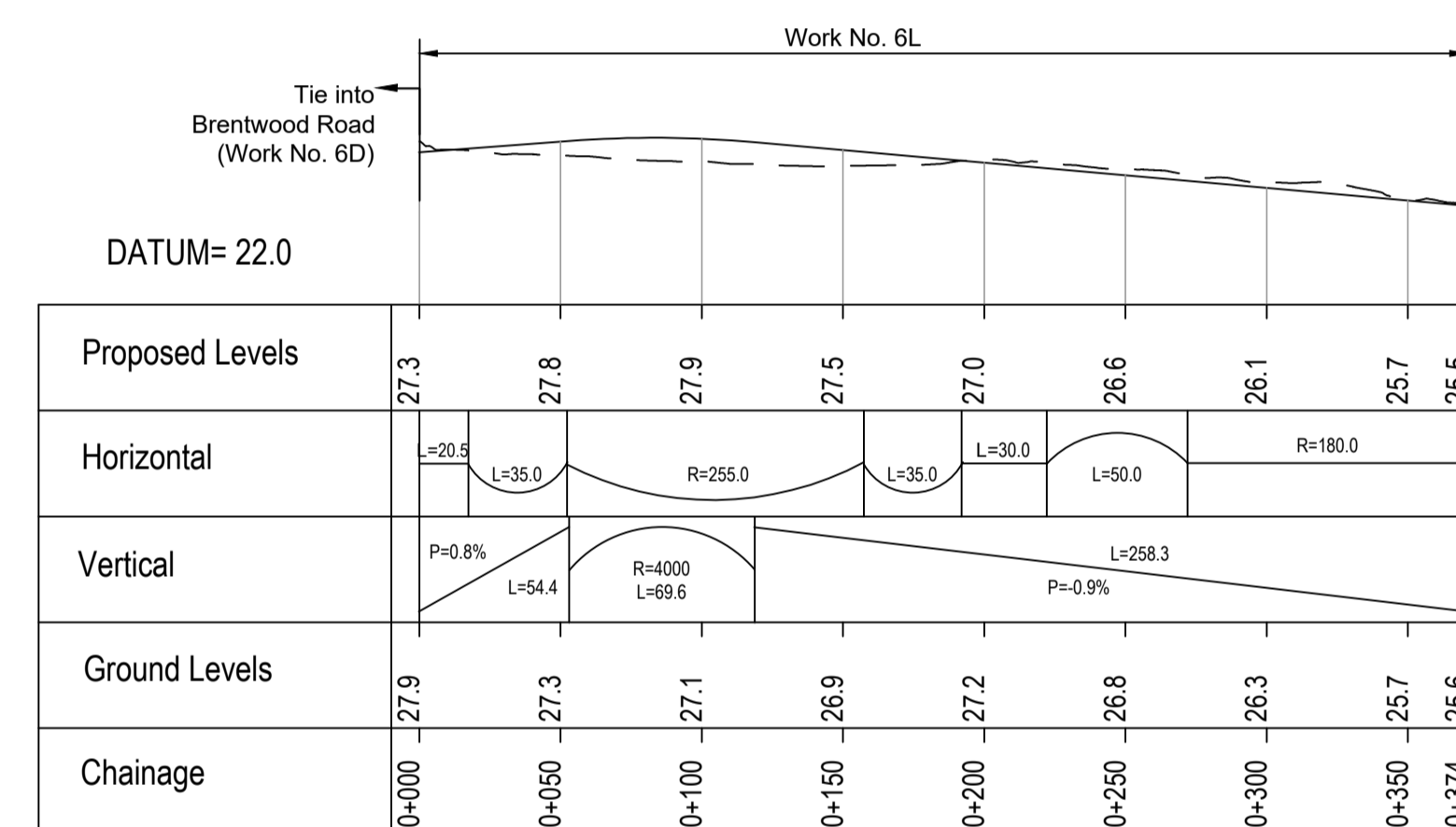
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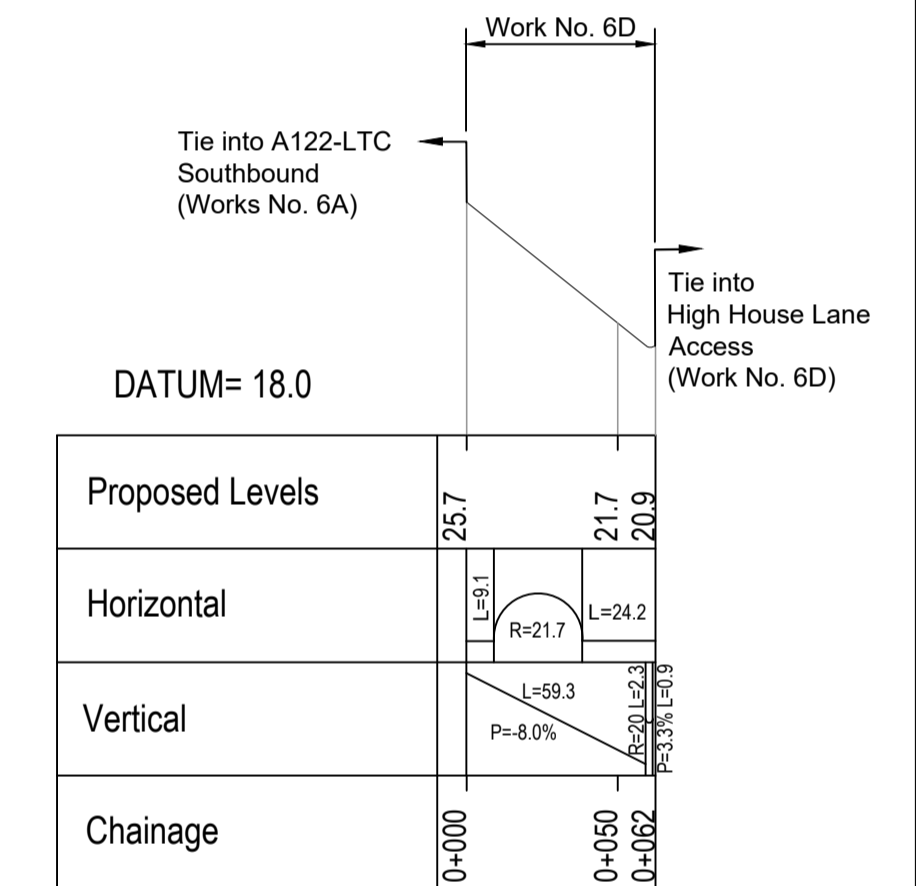
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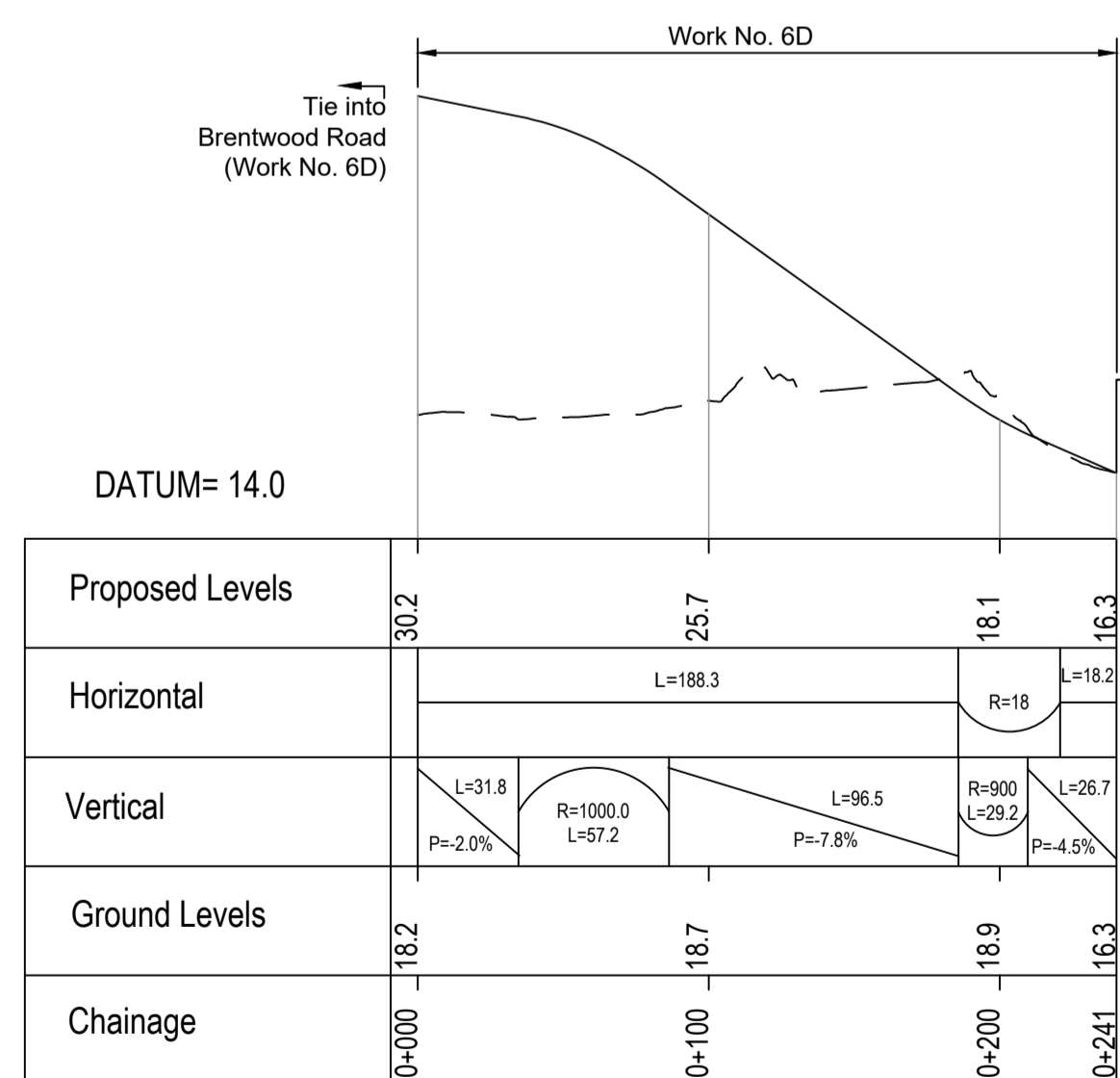
BRENTWOOD ROAD PROFILE



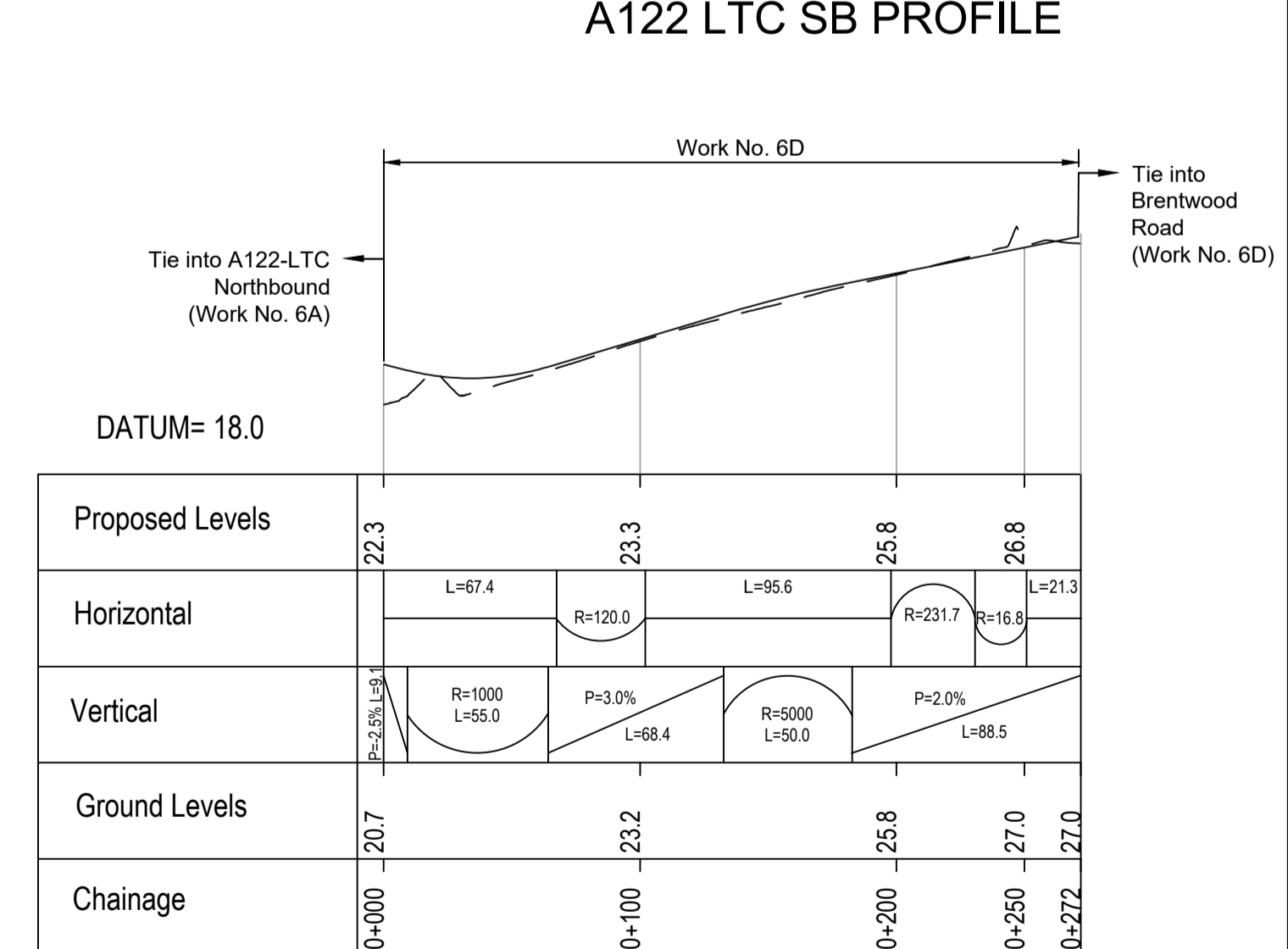
HIGH HOUSE LANE SOUTH ACCESS ROAD PROFILE



EMERGENCY ACCESS TO A122 LTC SB PROFILE



HIGH HOUSE LANE NORTH ACCESS ROAD PROFILE

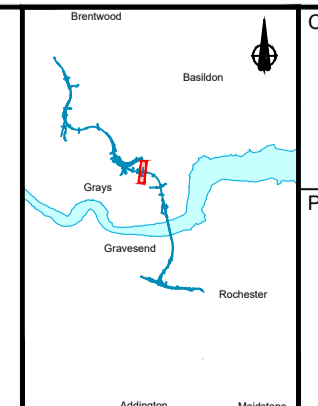
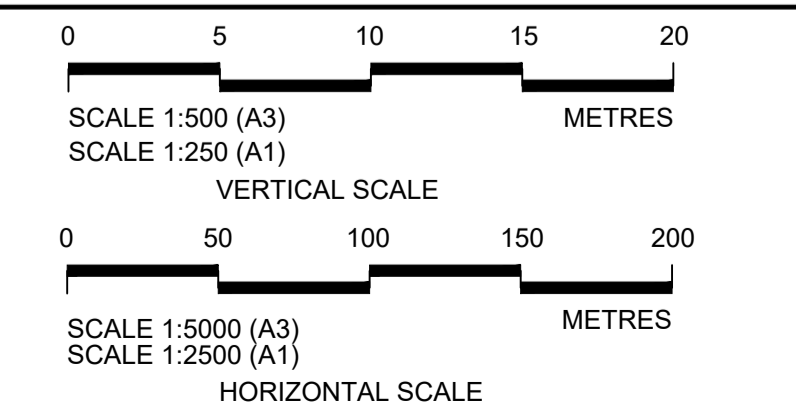


EMERGENCY ACCESS TO A122 LTC NB PROFILE

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

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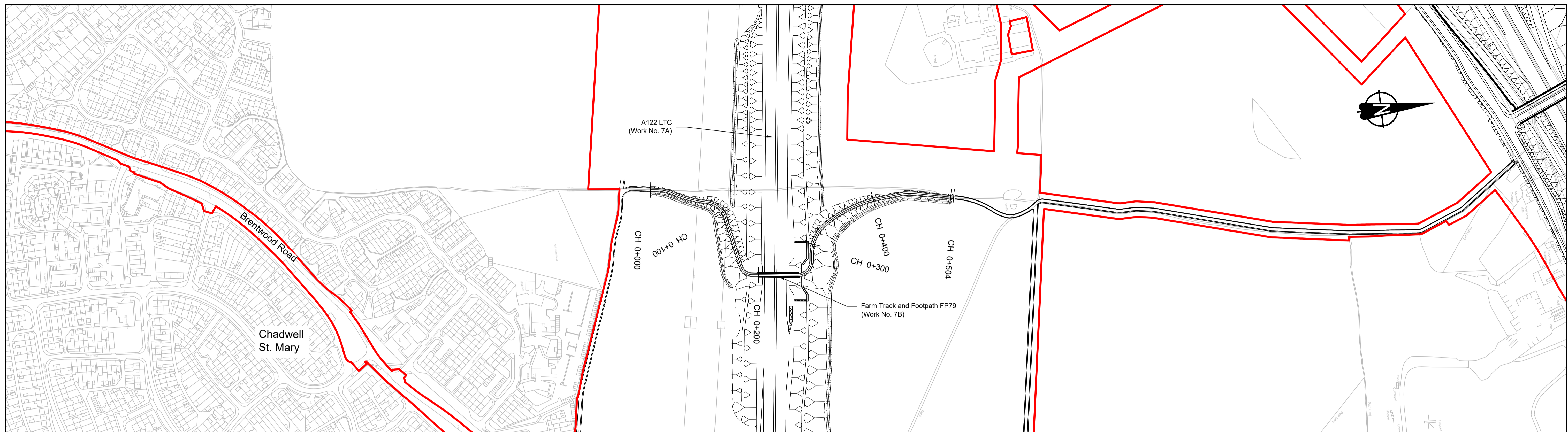
- LEGEND:
- Existing ground level
  - == Structure
  - Proposed road level
  - ▭ Structures - Bridge
  - ▭ Structures - Underpass
  - NB - Northbound
  - WB - Westbound
  - EB - Eastbound
  - SB - Southbound
  - MHWS - Mean High Water Springs
  - MLWS - Mean Low Water Springs
  - FRL - Finished Road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



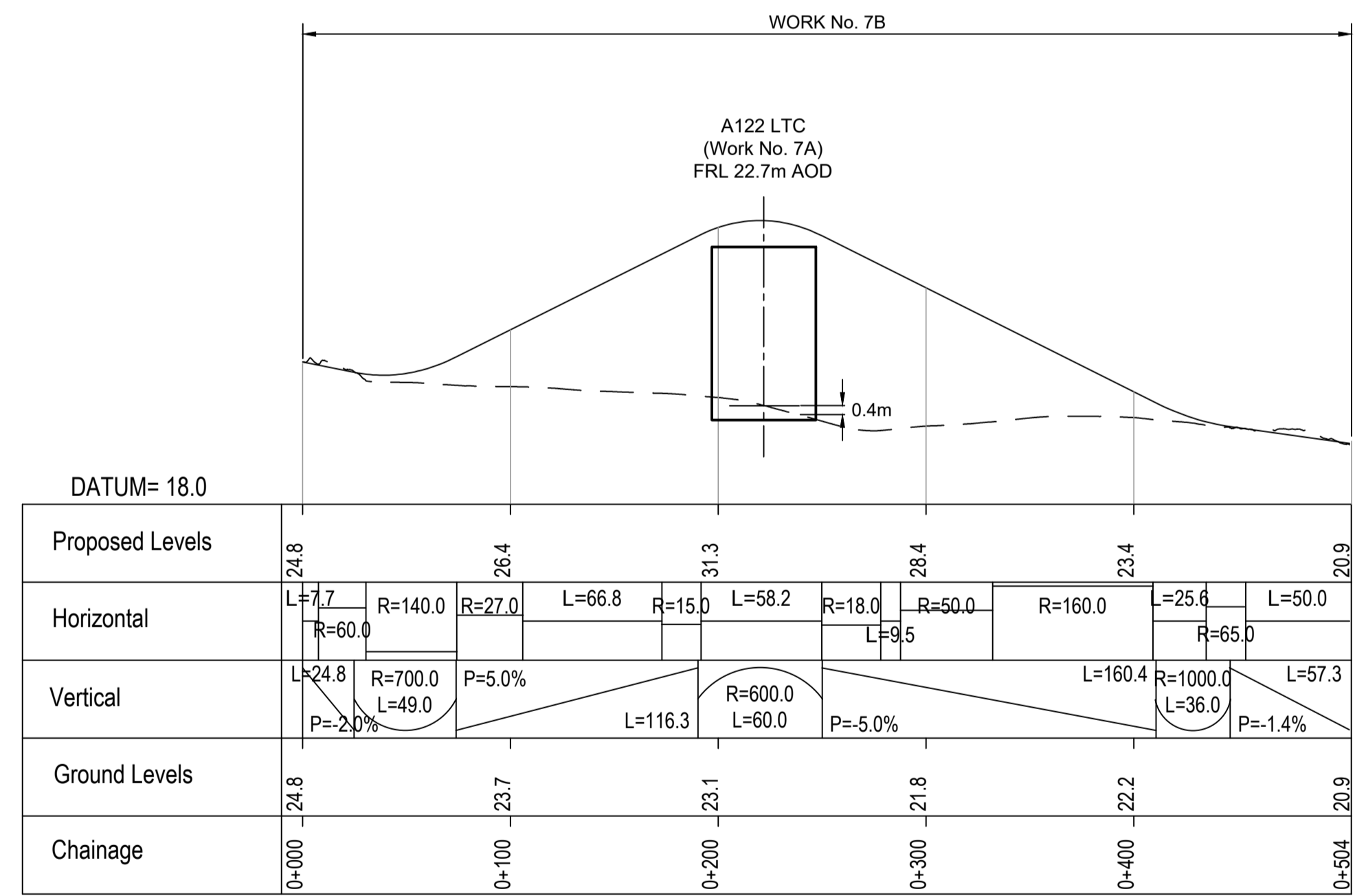
national highways

LOWER THAMES CROSSING

Status	DCO Application	Original Size	A1	Revision	P01
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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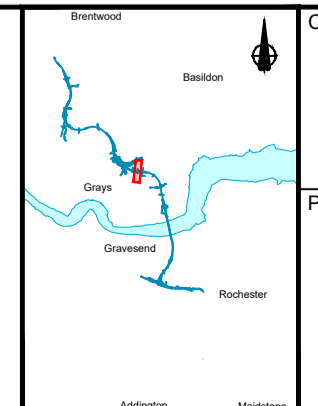
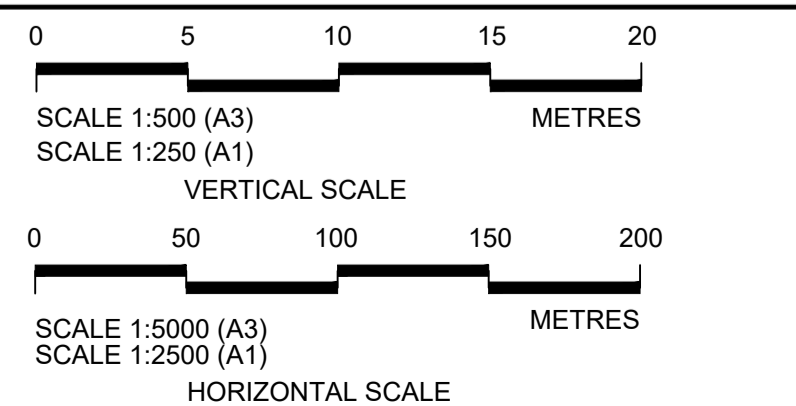
P01	S8	19/10/2022	DCO Application	LY	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

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LEGEND:

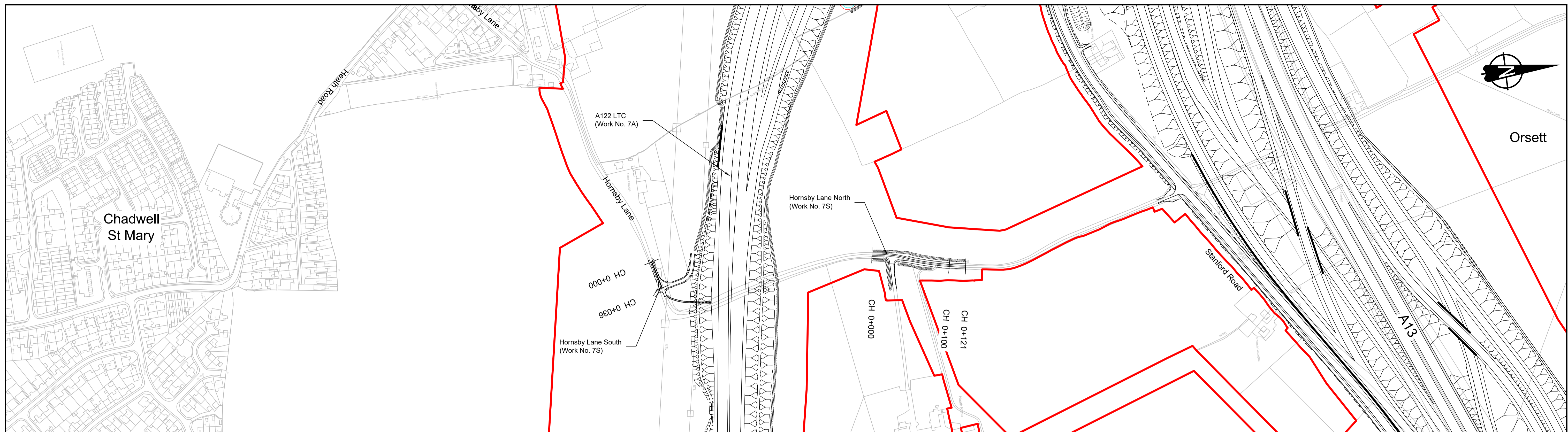
- Existing ground level
- ==== Structure
- Proposed road level
- ▭ Structures - Bridge
- ▭ Structures - Underpass
- NB - Northbound
- WB - Westbound
- EB - Eastbound
- SB - Southbound
- MHWS - Mean High Water Springs
- MLWS - Mean Low Water Springs
- FRL - Finished Road Level
- ▨ Maintenance access
-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



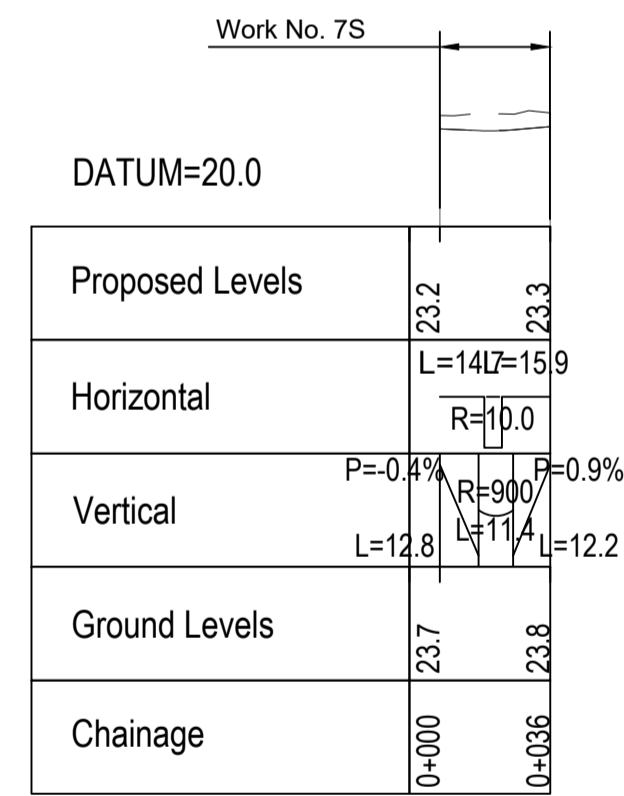
Client: national highways

Project: LOWER THAMES CROSSING

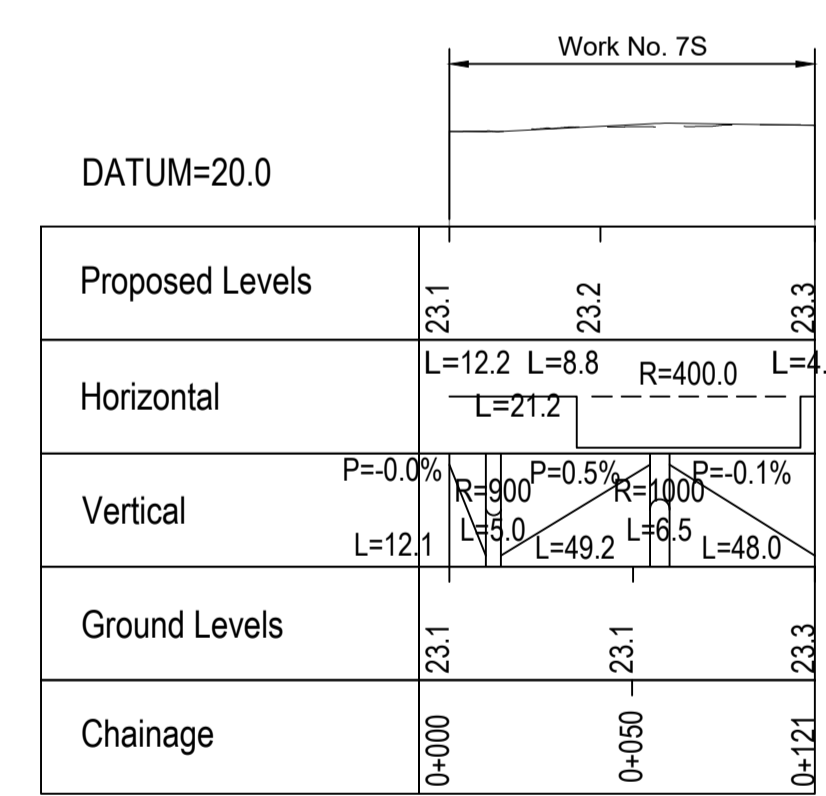
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Application Document Number	TR010032/APP/2.9	Scale	AS SHOWN		
Drawing title	A13 JUNCTION - PLAN AND PROFILES REGULATION 5(2)(o) AND 6(2) SHEET 2				
Drawing Number	HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10502				



PLAN



HORNSBY LANE SOUTH PROFILE



HORNSBY LANE NORTH PROFILE

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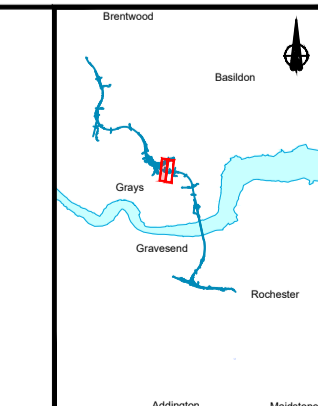
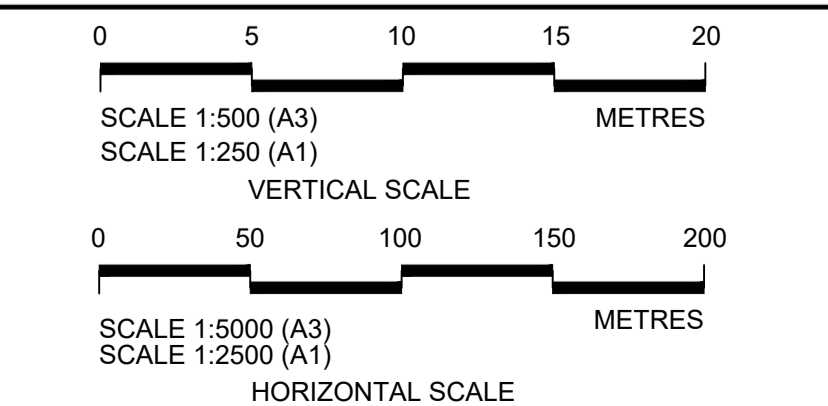
P01	S8	19/10/2022	DCO Application	LY	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

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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:**

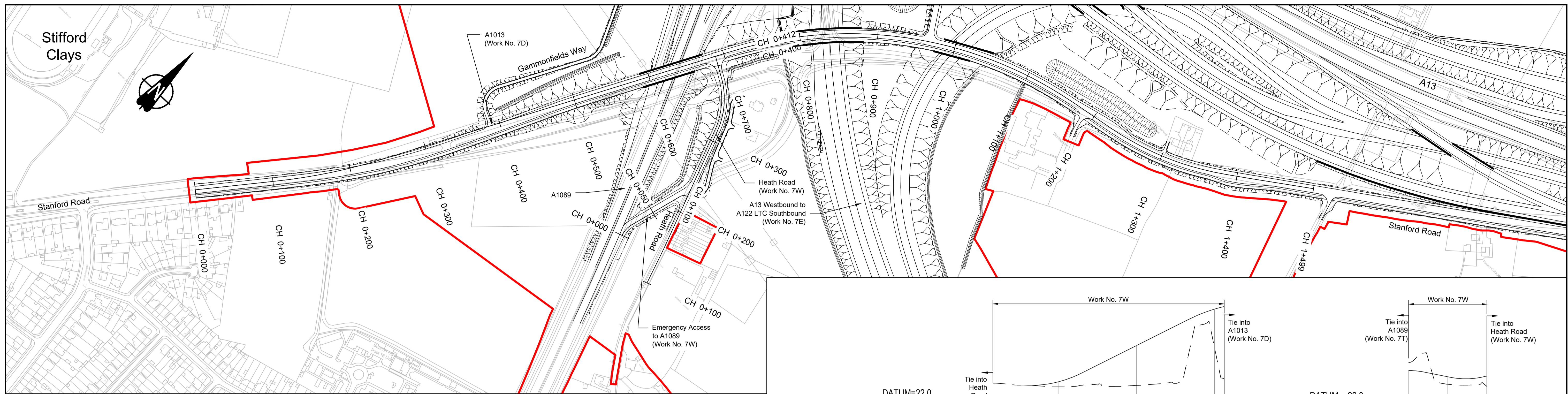
- - - Existing ground level
- ▬ Structure
- ▬ Proposed road level
- ▭ Structures - Bridge
- ▭ Structures - Underpass
- NB - Northbound
- WB - Westbound
- EB - Eastbound
- SB - Southbound
- MHWS - Mean High Water Springs
- MLWS - Mean Low Water Springs
- FRL - Finished Road Level
- ▨ Maintenance access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



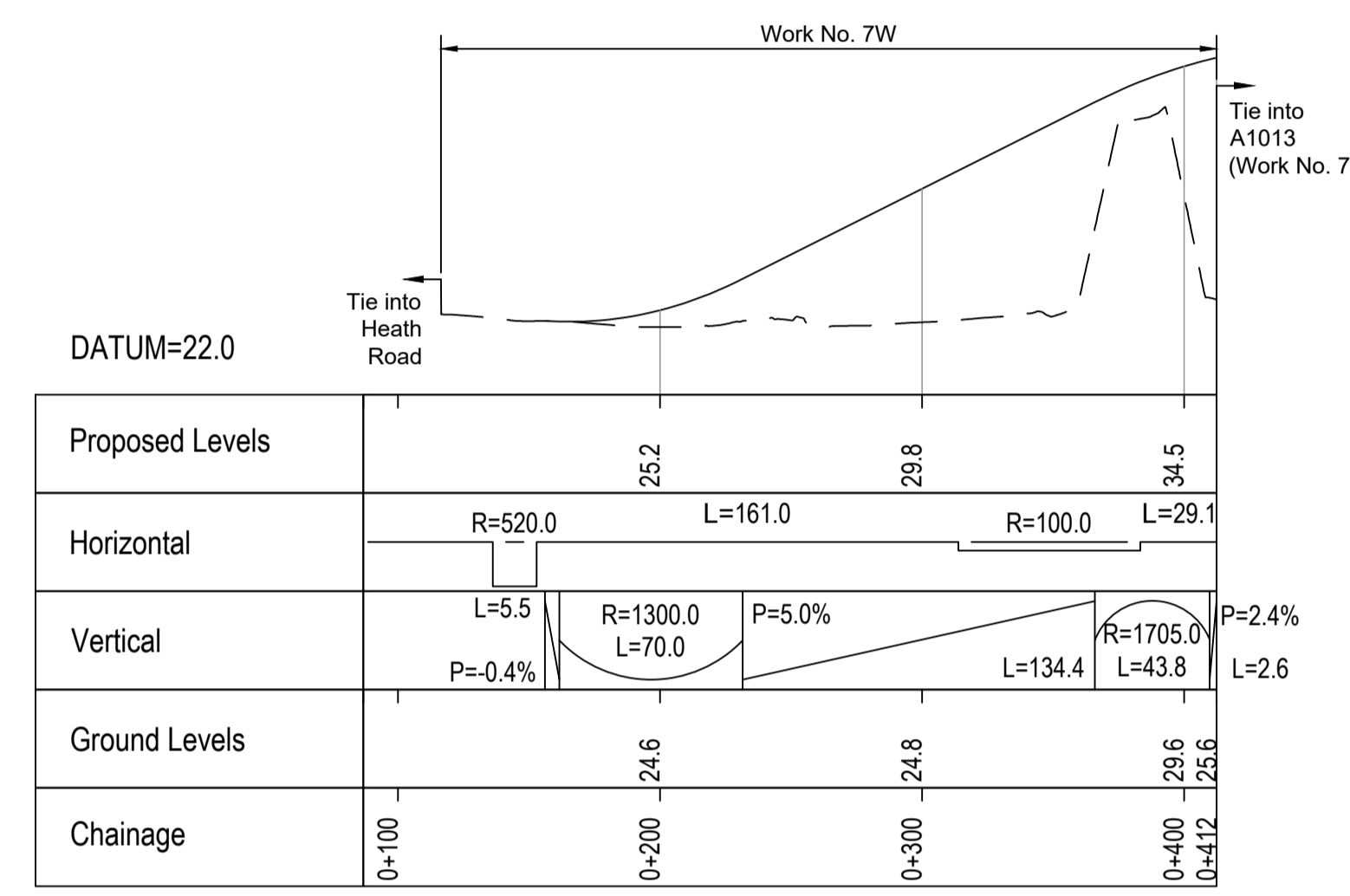
Client: **national highways**

Project: **LOWER THAMES CROSSING**

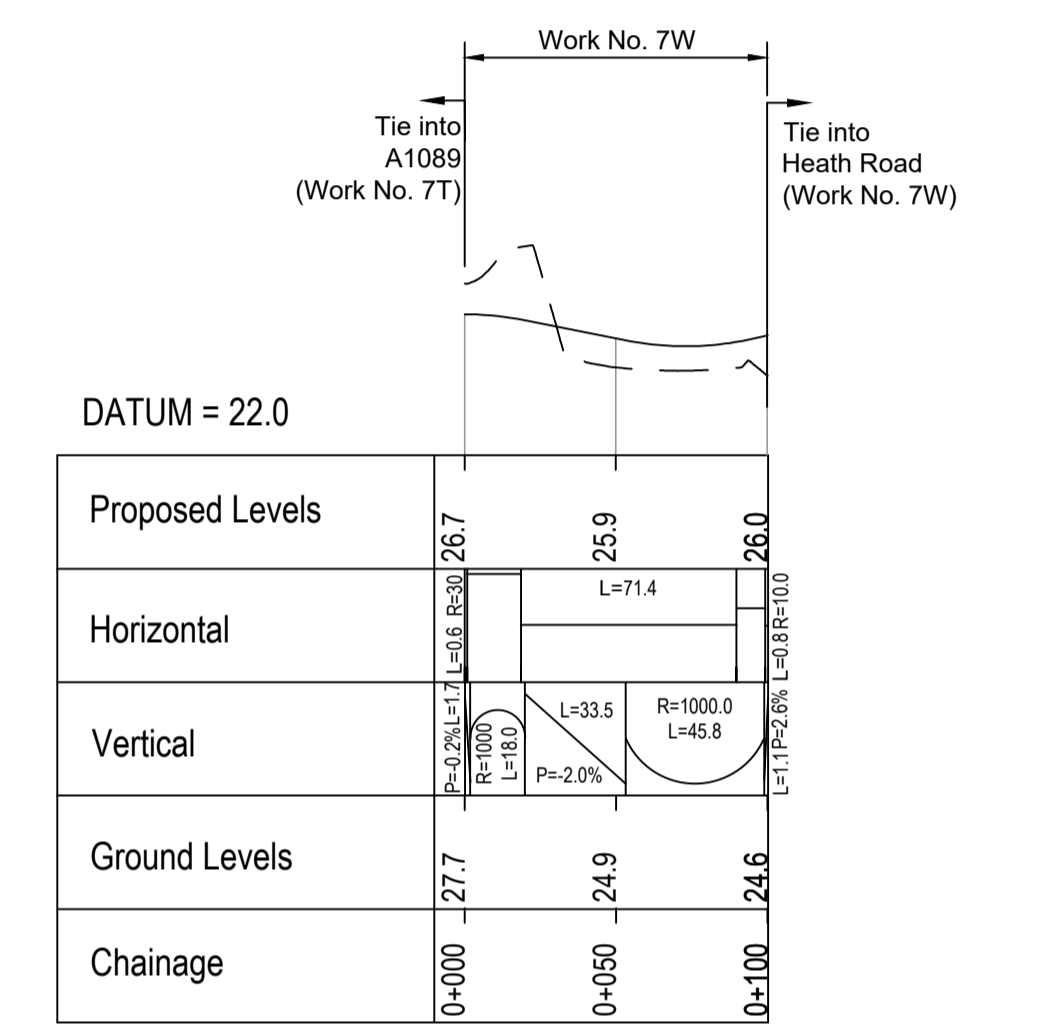
Status	DCO Application	Original Size	A1	Revision	P01
Application Document Number	TR010032/APP/2.9	Scale	AS SHOWN		
Drawing title	<b>A13 JUNCTION - PLAN AND PROFILES REGULATION 5(2)(o) AND 6(2) SHEET 3</b>				
Drawing Number	HE540039-CJV-BOP-SZA_RX000000 -DR-CH-10503				



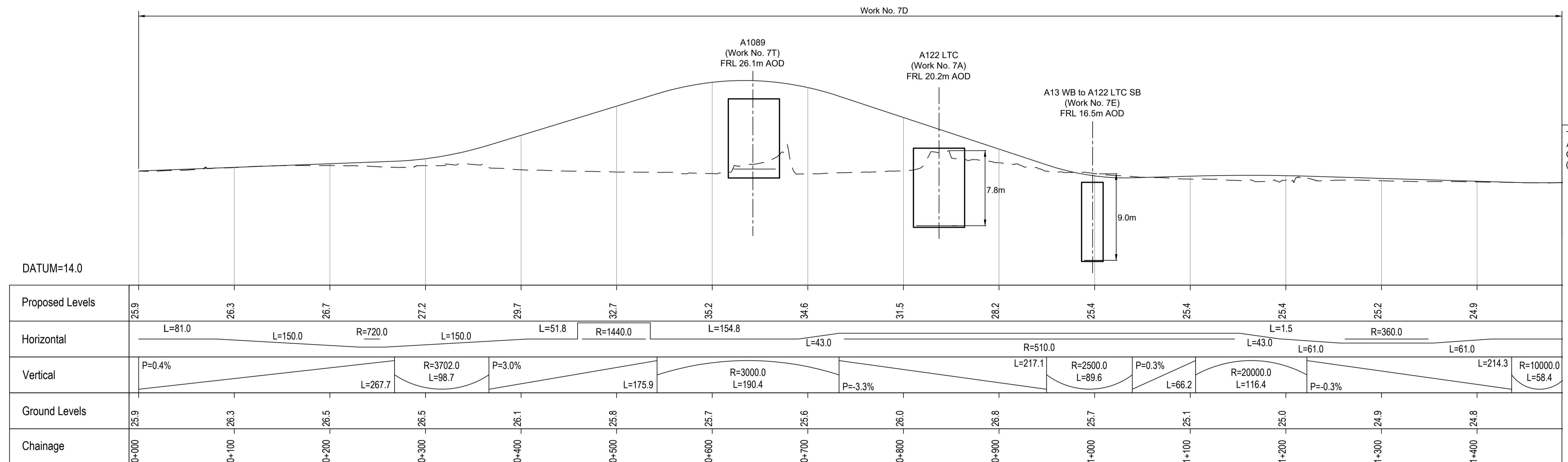
PLAN



HEATH ROAD PROFILE



EMERGENCY ACCESS TO A1089 PROFILE



STANFORD ROAD (A1013) PROFILE

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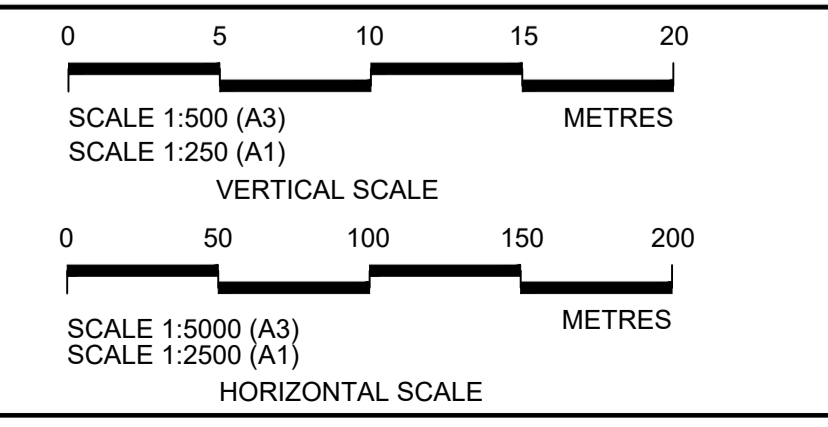
P01	S8	19/10/2022	DCO Application	LY	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

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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:**

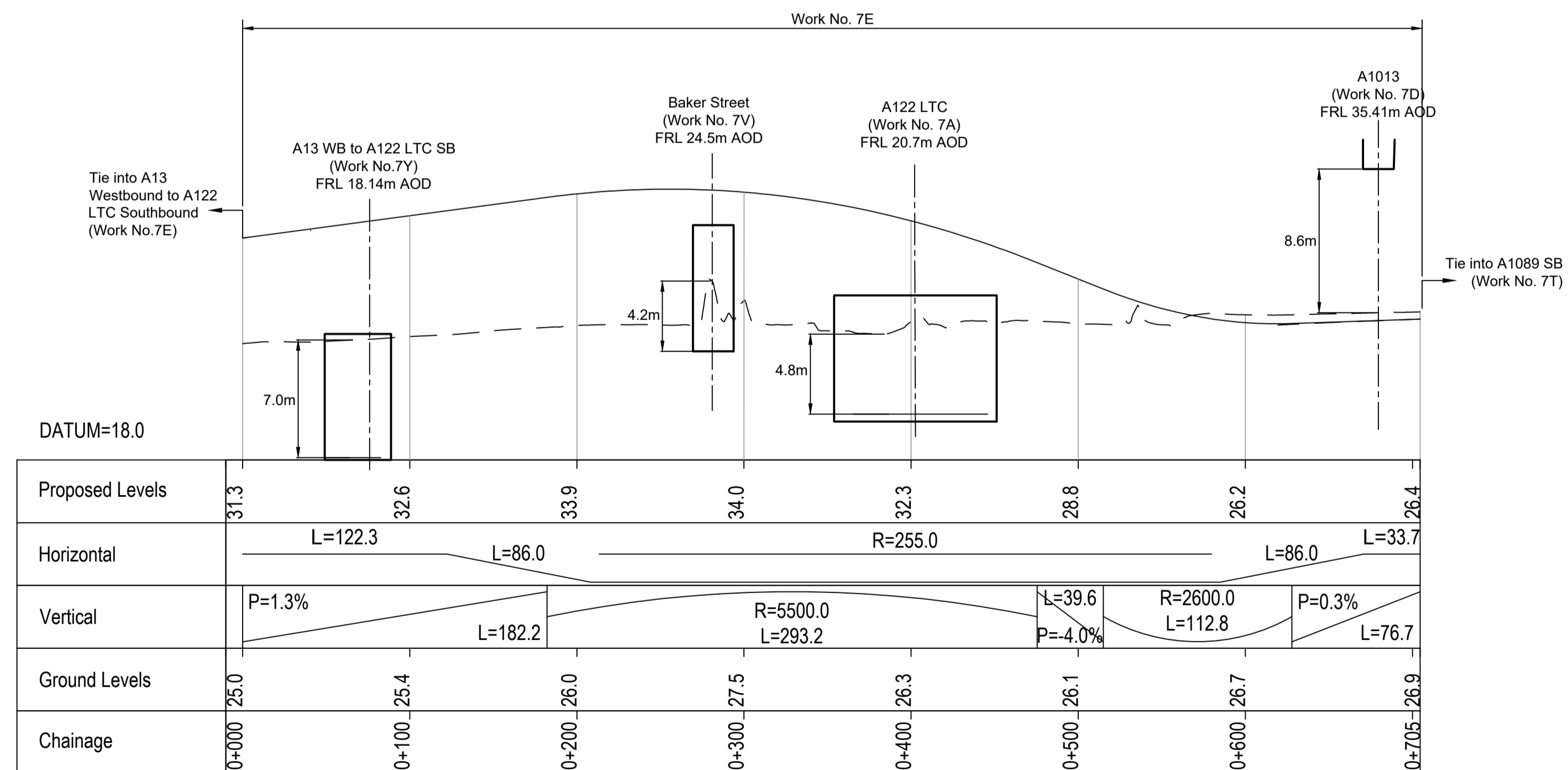
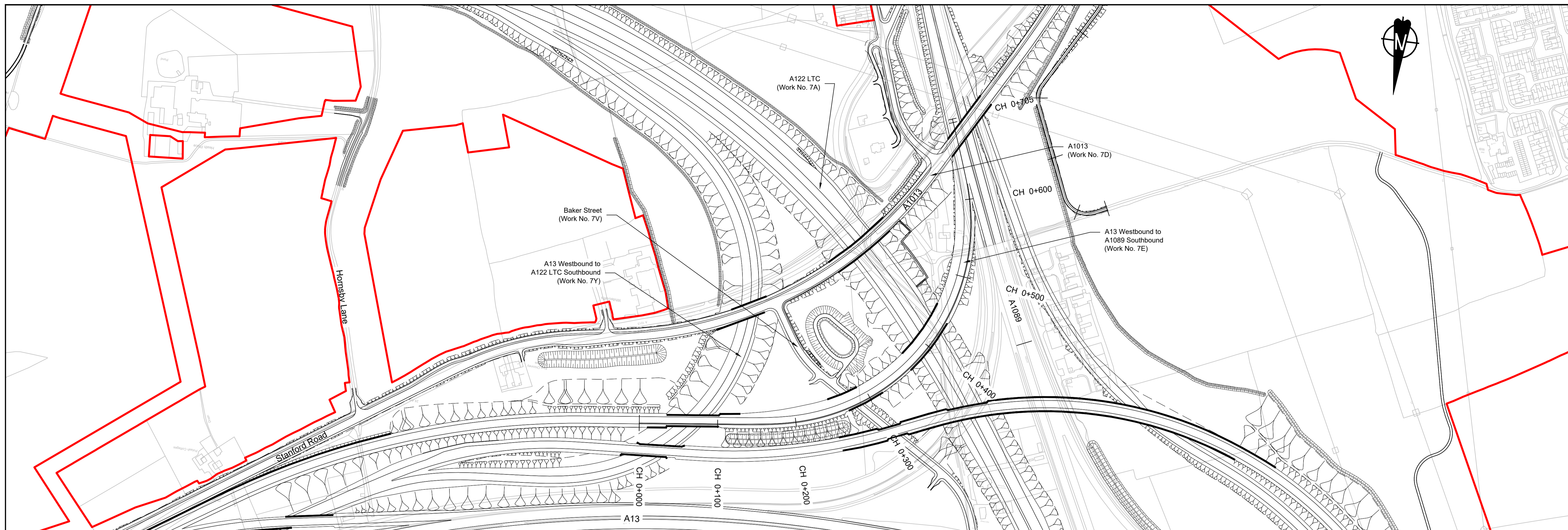
- Existing ground level
- == Structure
- Proposed road level
- ▭ Structures - Bridge
- ▭ Structures - Underpass
- NB - Northbound
- WB - Westbound
- EB - Eastbound
- SB - Southbound
- MHWS - Mean High Water Springs
- MLWS - Mean Low Water Springs
- FRL - Finished Road Level
- ▨ Maintenance access
- Order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



**national highways**

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A1	Revision	P01
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 4				
Drawing Number	HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10504				



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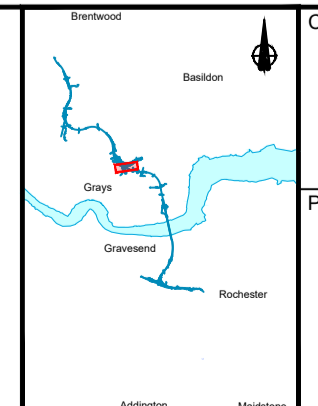
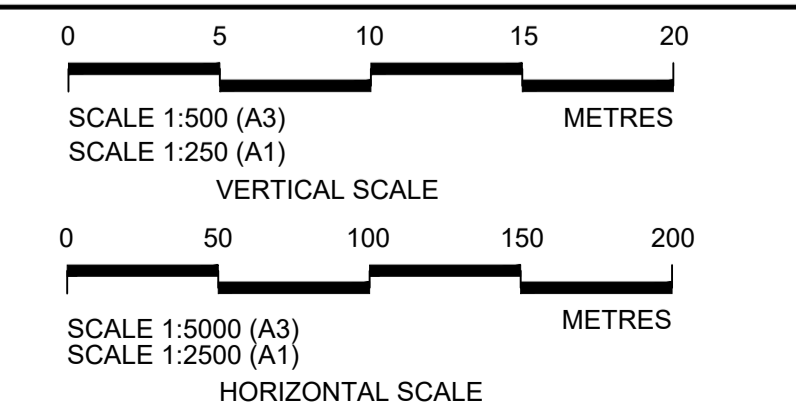
P01	S8	19/10/2022	DCO Application	LY	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

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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

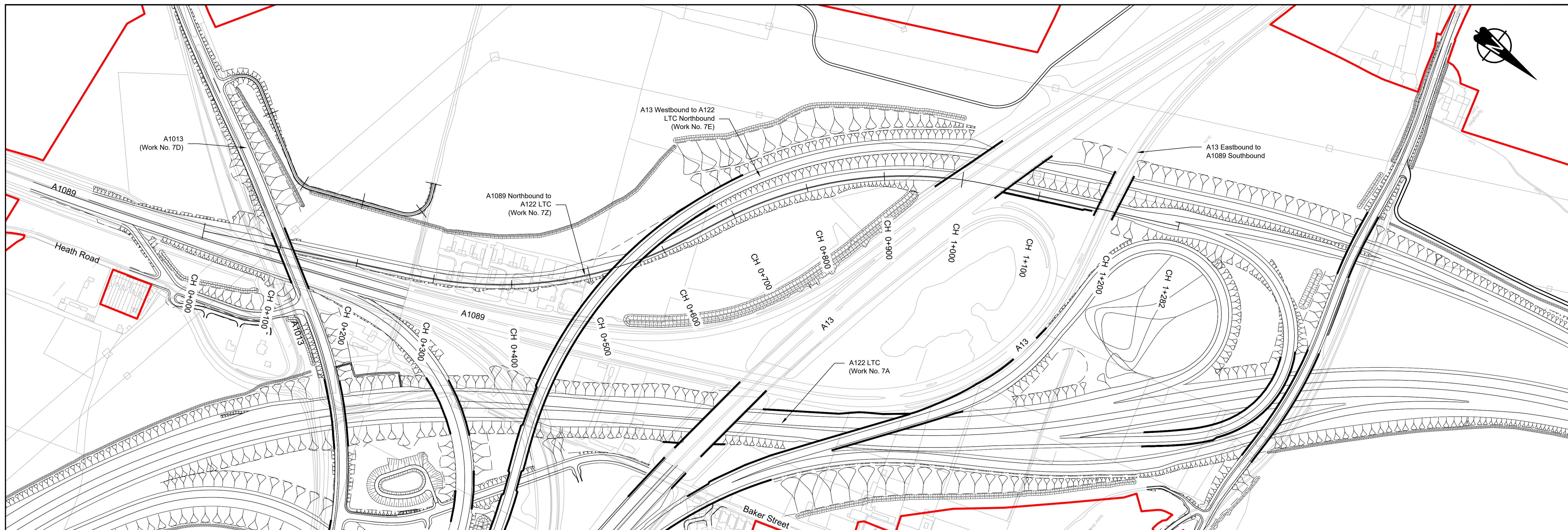


Client

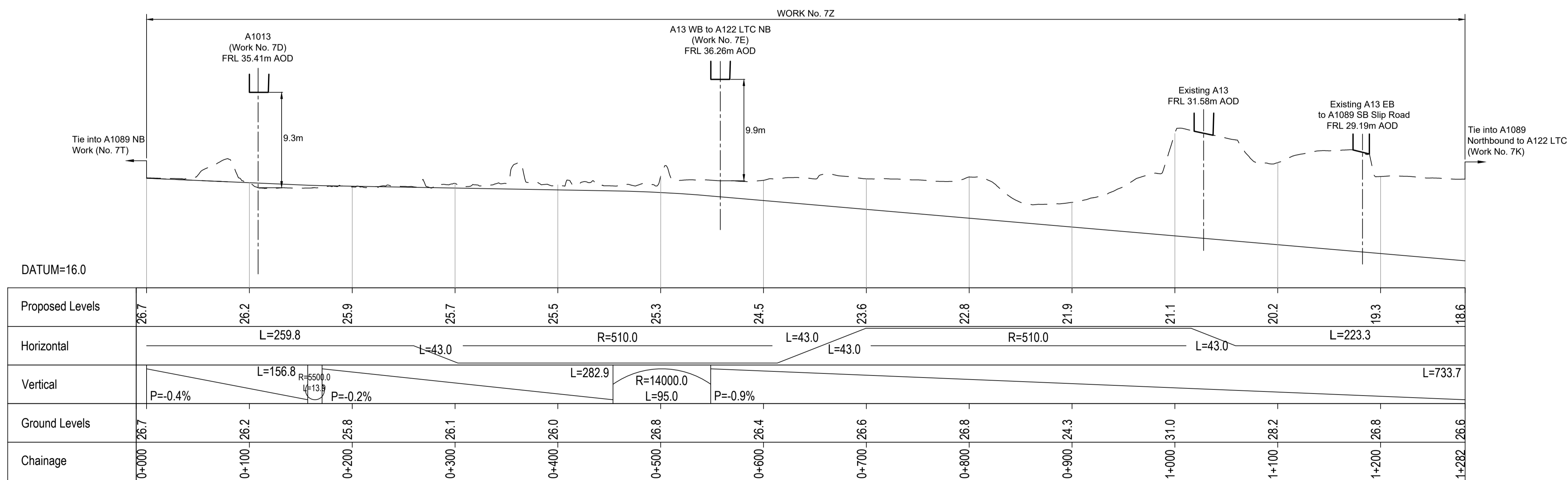
Project

**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A1	Revision	P01
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



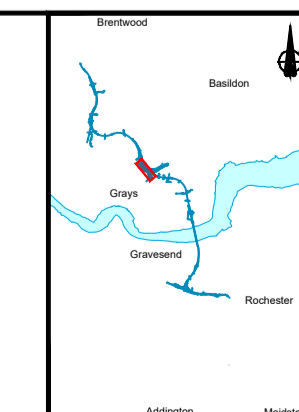
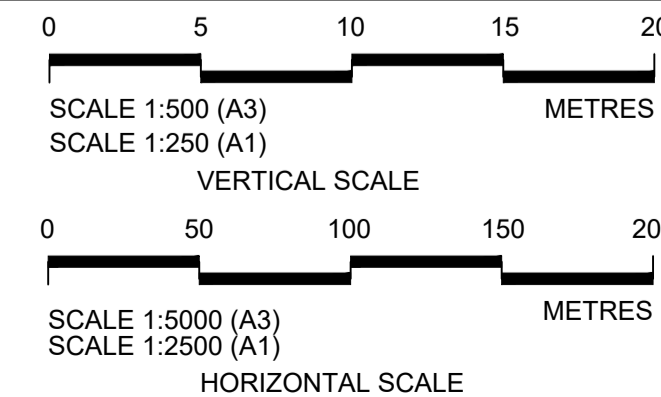
A1089 NB to A122 LTC PROFILE

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

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

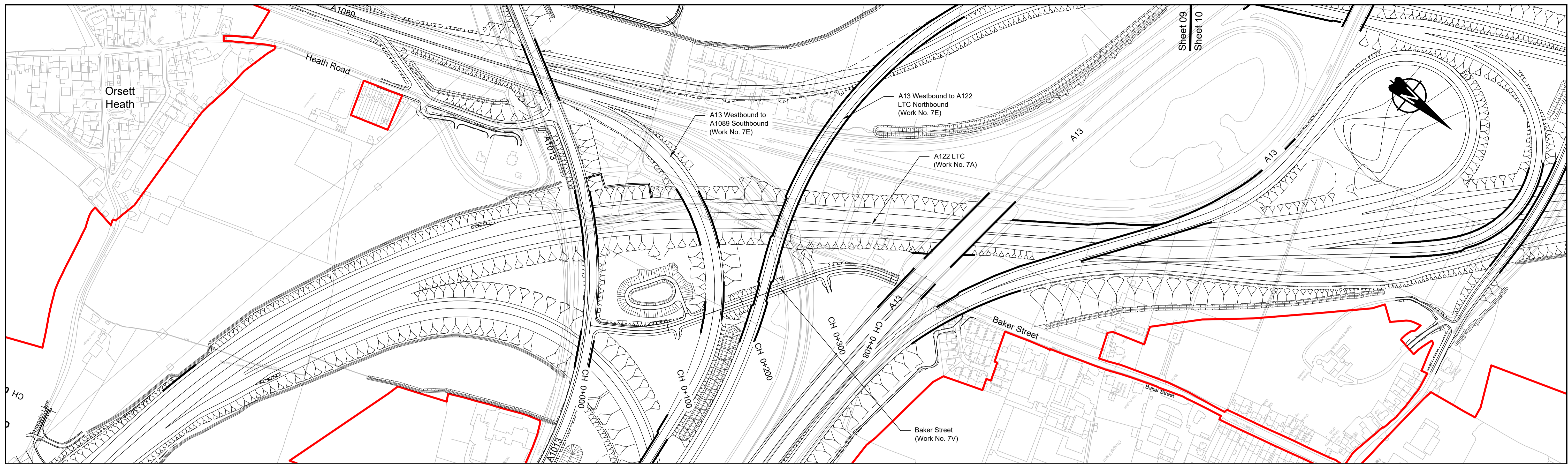
- LEGEND:
- Existing ground level
  - == Structure
  - Proposed road level
  - ▭ Structures - Bridge
  - ▭ Structures - Underpass
  - NB - Northbound
  - WB - Westbound
  - EB - Eastbound
  - SB - Southbound
  - MLWS - Mean High Water Springs
  - MLWS - Mean Low Water Springs
  - FRL - Finished Road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



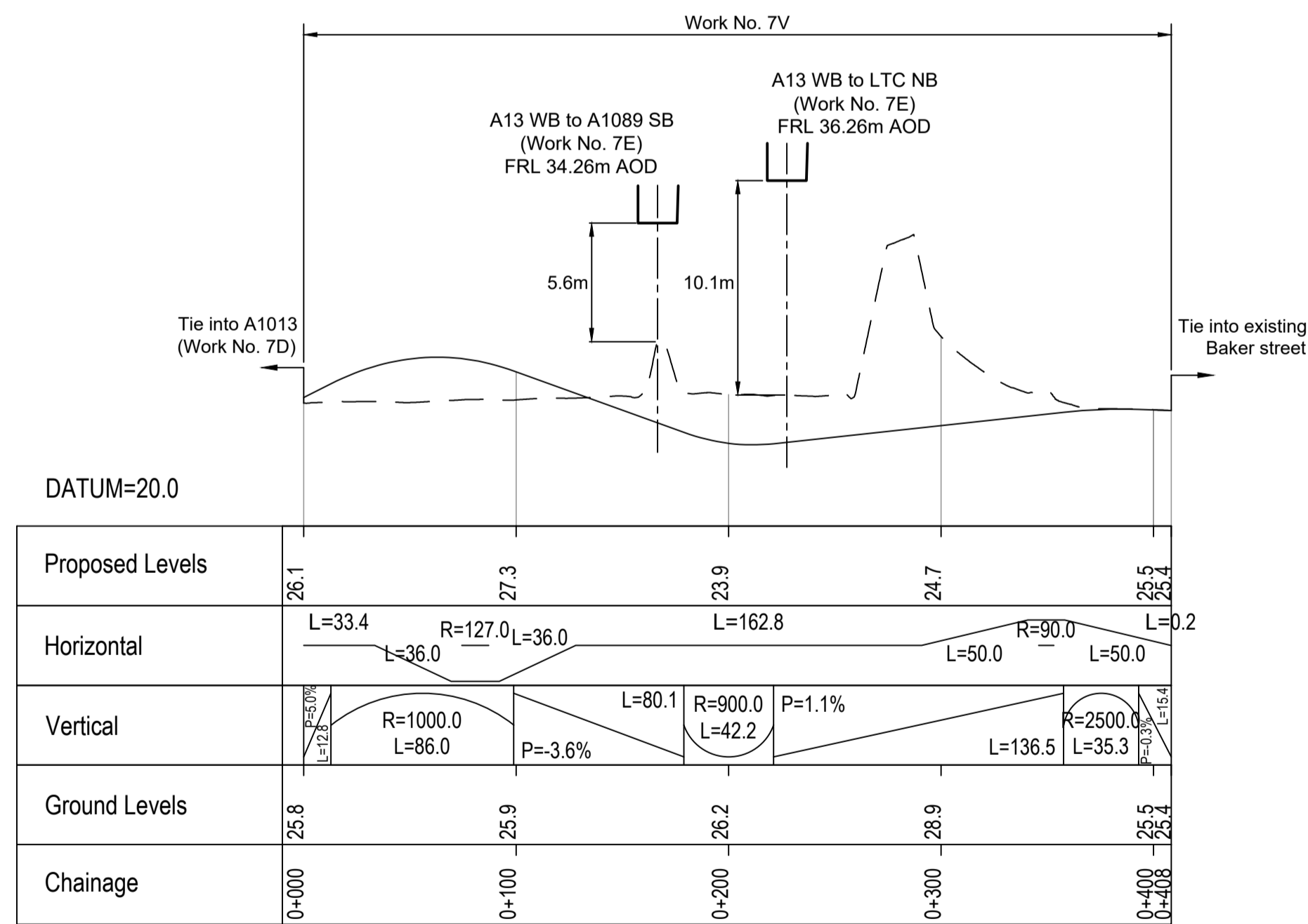
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.9	A1	P01
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

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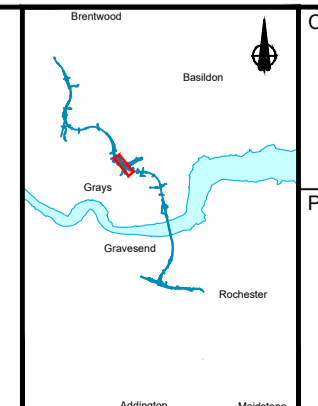
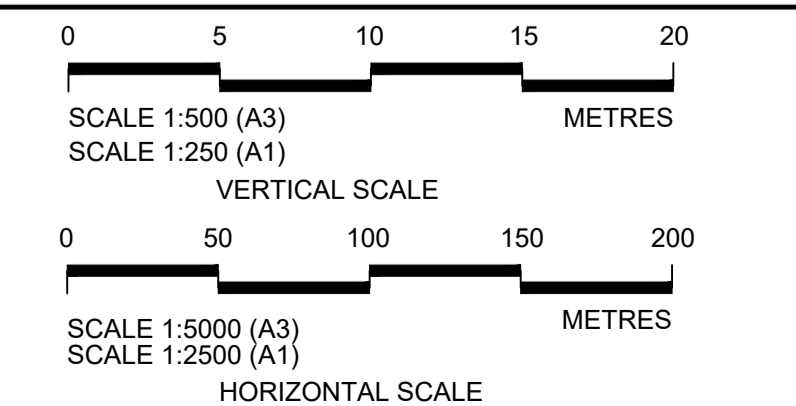
P01	S8	19/10/2022	DCO Application	LY	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

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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
- ▨ Maintenance access
- Order Limits

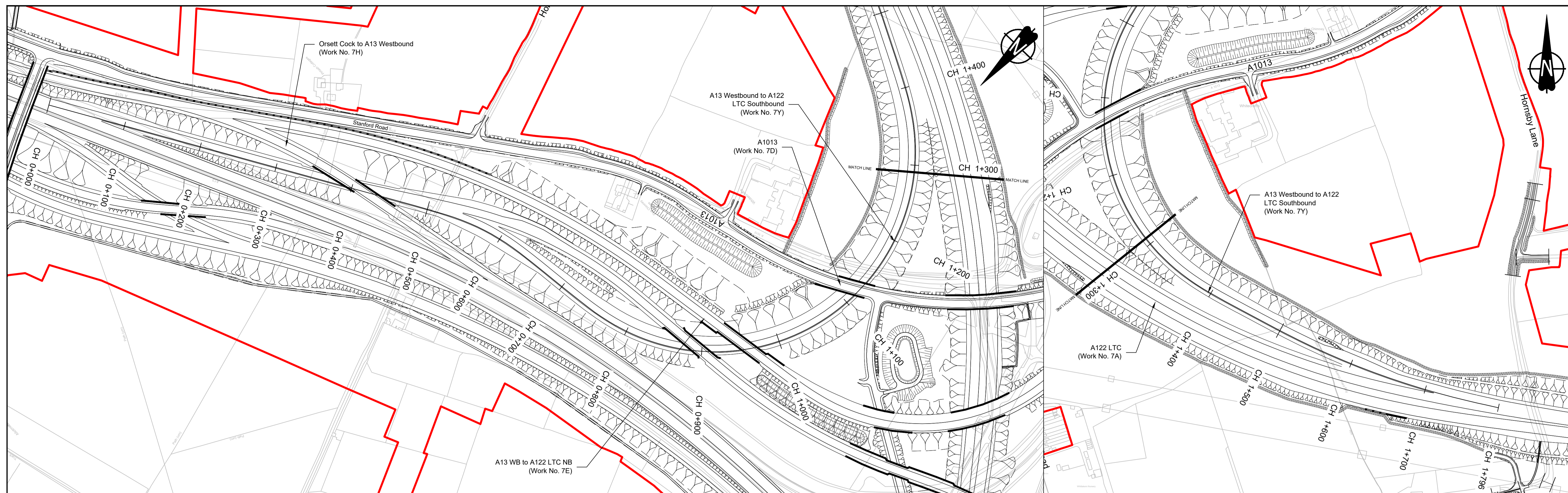


Client: **national highways**

Project: **LOWER THAMES CROSSING**

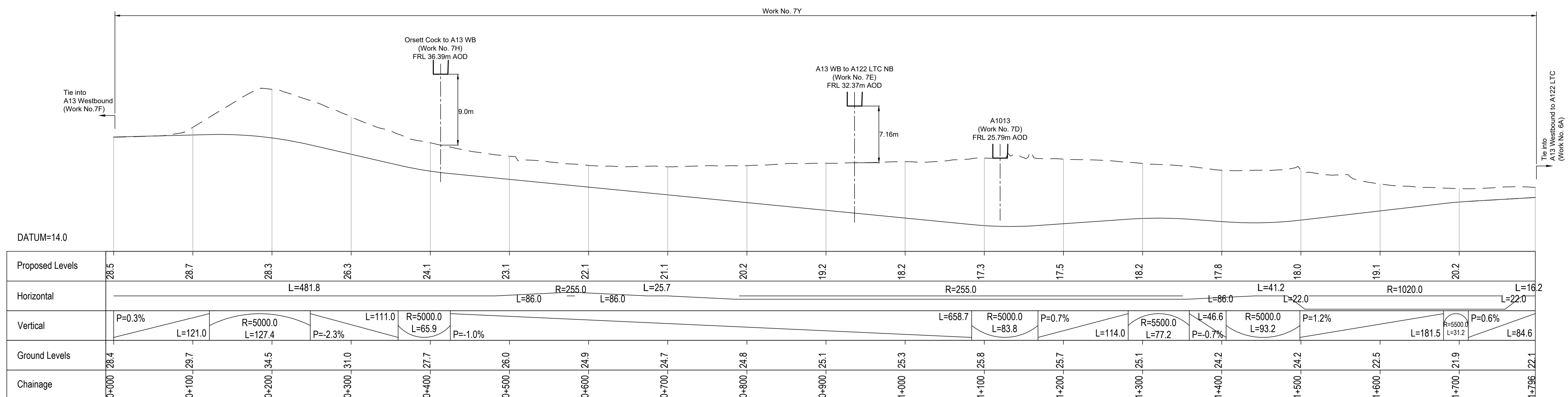
Status	DCO Application	Original Size	A1	Revision	P01
Application Document Number	TR010032/APP/2.9	Scale	AS SHOWN		
Drawing title	<b>A13 JUNCTION - PLAN AND PROFILES</b>				
	<b>REGULATION 5(2)(o) AND 6(2)</b>				
	<b>SHEET 7</b>				
Drawing Number	HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10507				





PLAN

PLAN



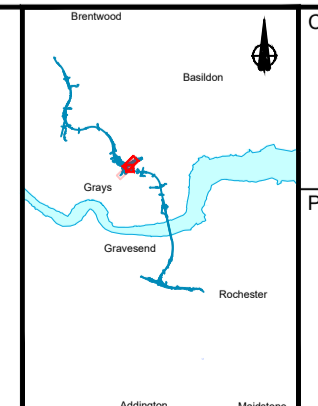
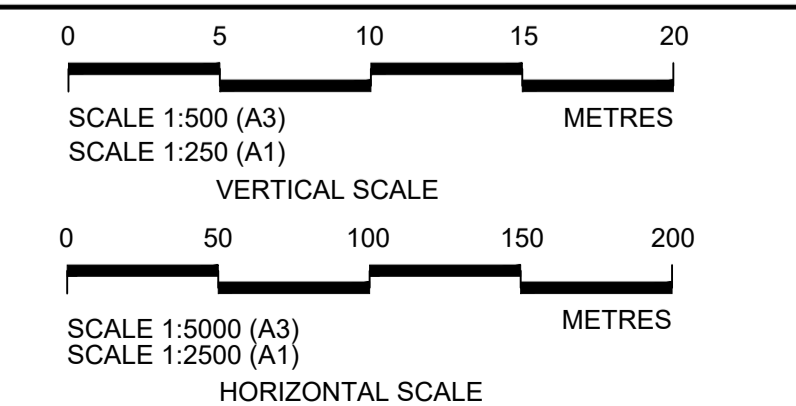
A13 WESTBOUND TO A122 LTC SOUTHBOUND PROFILE

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

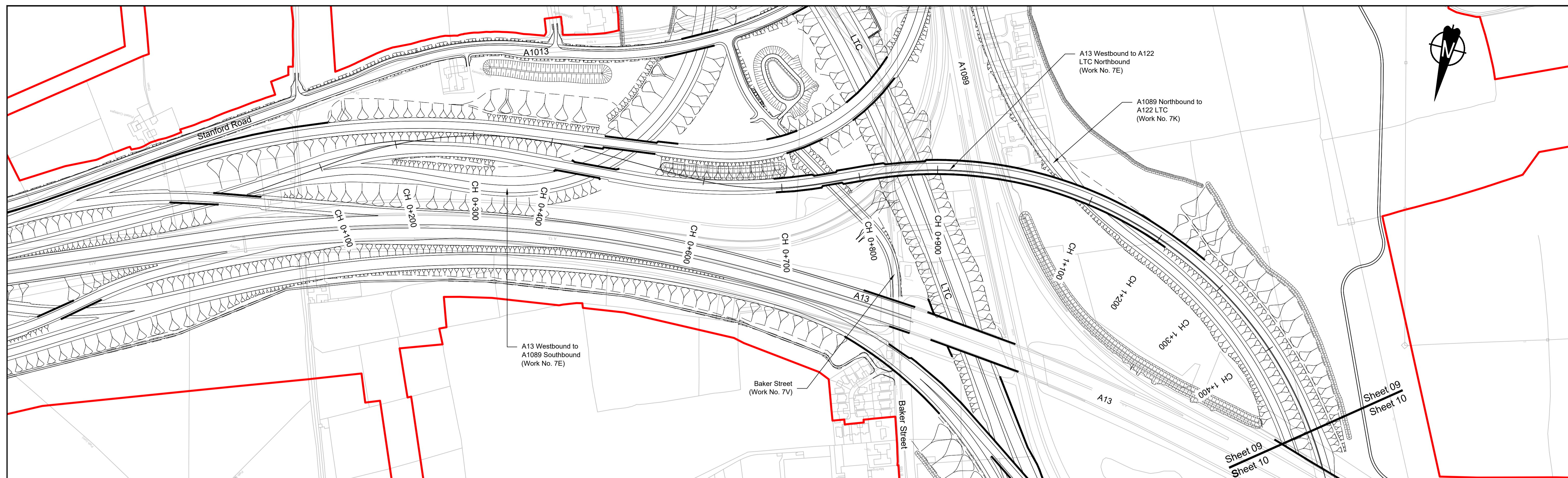
- LEGEND:
- Existing ground level
  - Structure
  - Proposed road level
  - ▭ Structures - Bridge
  - ▭ Structures - Underpass
  - NB - Northbound
  - WB - Westbound
  - EB - Eastbound
  - SB - Southbound
  - MHWS - Mean High Water Springs
  - MLWS - Mean Low Water Springs
  - FRL - Finished Road Level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



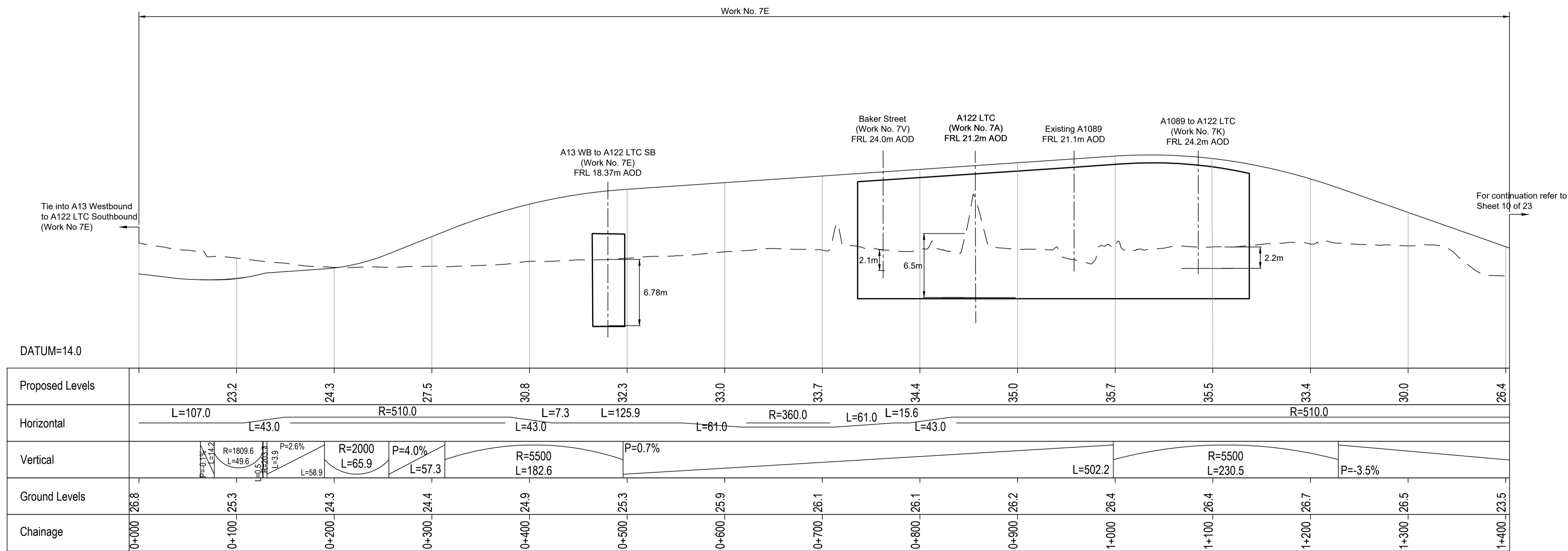
national highways

LOWER THAMES CROSSING

Status	DCO Application	Original Size	A1	Revision	P01
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 8				
Drawing Number	HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10508				



PLAN



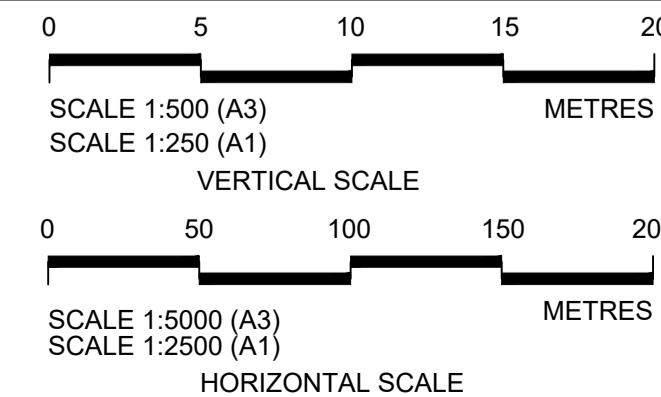
A13 WESTBOUND TO A122 LTC NORTHBOUND PROFILE - PART 1

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

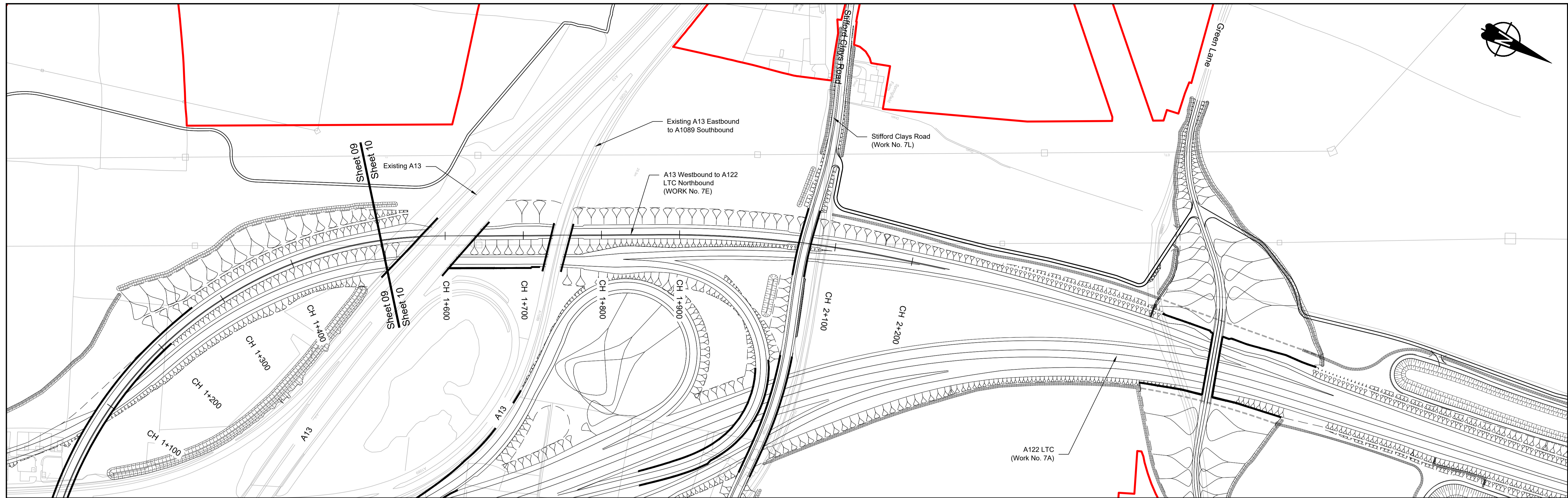
- LEGEND:
- Existing ground level
  - == Structure
  - Proposed road level
  - ▭ Structures - Bridge
  - ▭ Structures - Underpass
  - NB - Northbound
  - WB - Westbound
  - EB - Eastbound
  - SB - Southbound
  - MHWS - Mean High Water Springs
  - MLWS - Mean Low Water Springs
  - FRL - Finished Road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



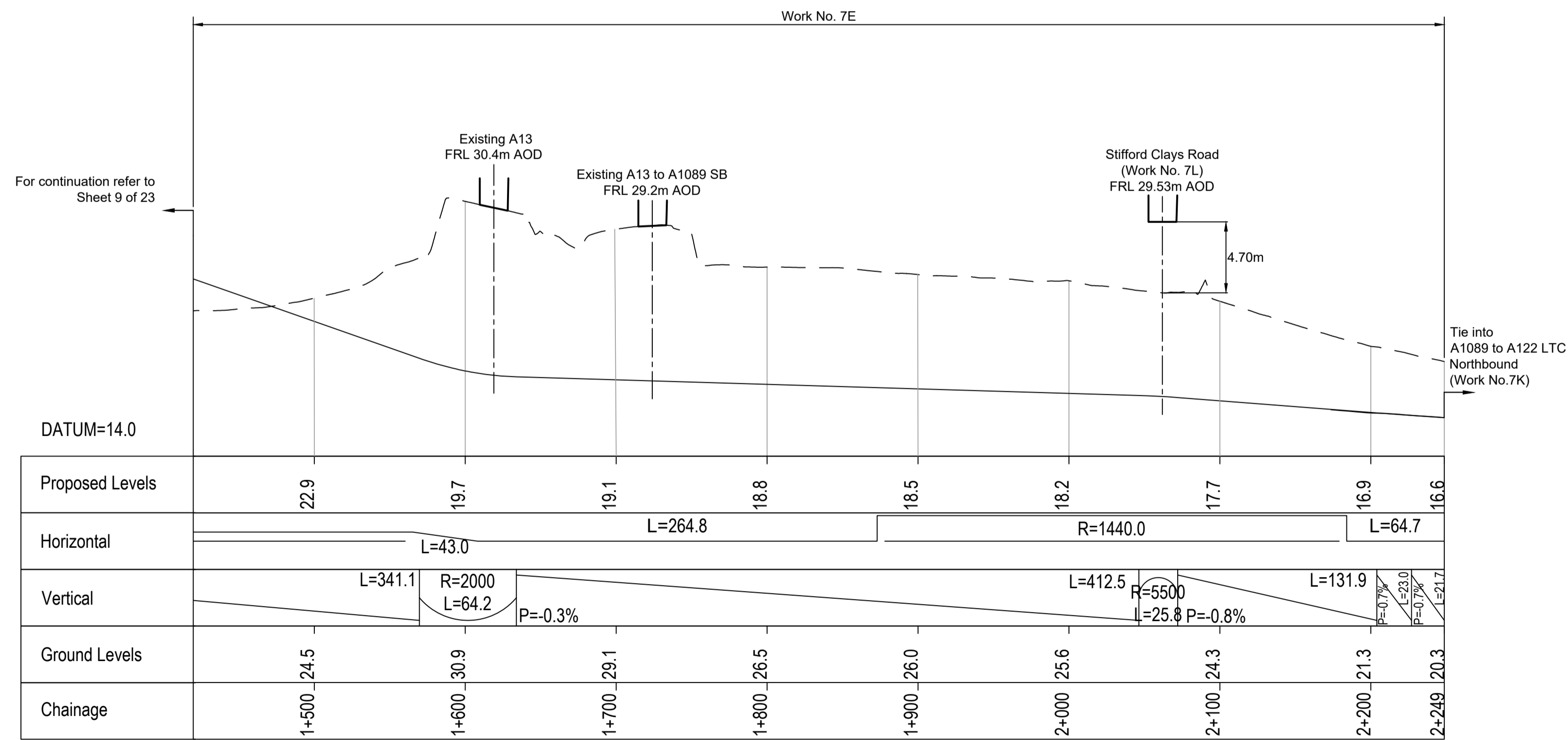
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.9	A1	P01
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



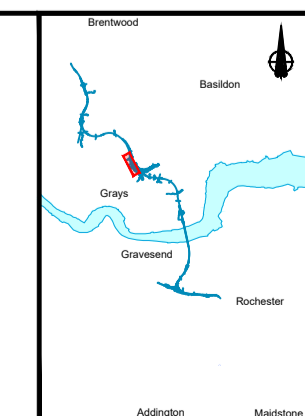
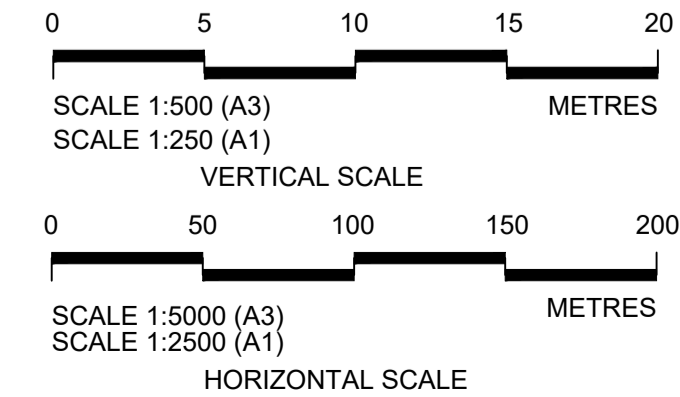
A13 WESTBOUND TO A122 LTC NORTHBOUND PROFILE PART 2

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

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  - Do not scale from this drawing.
  - 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
  - Maintenance access
  - Order Limits

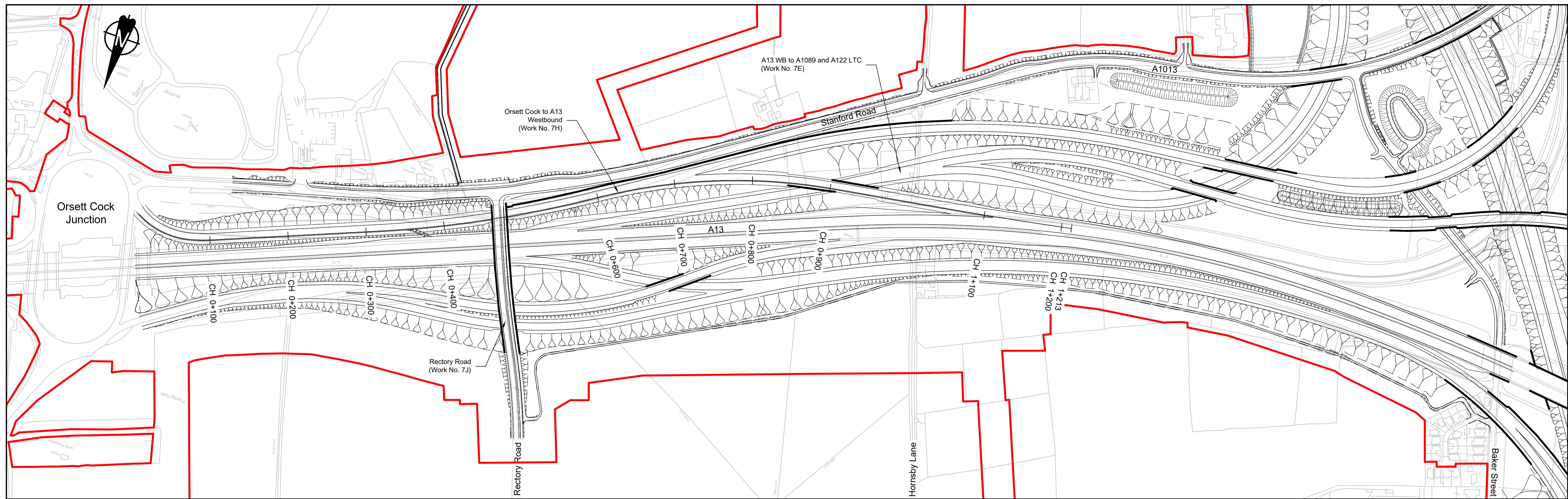


Client

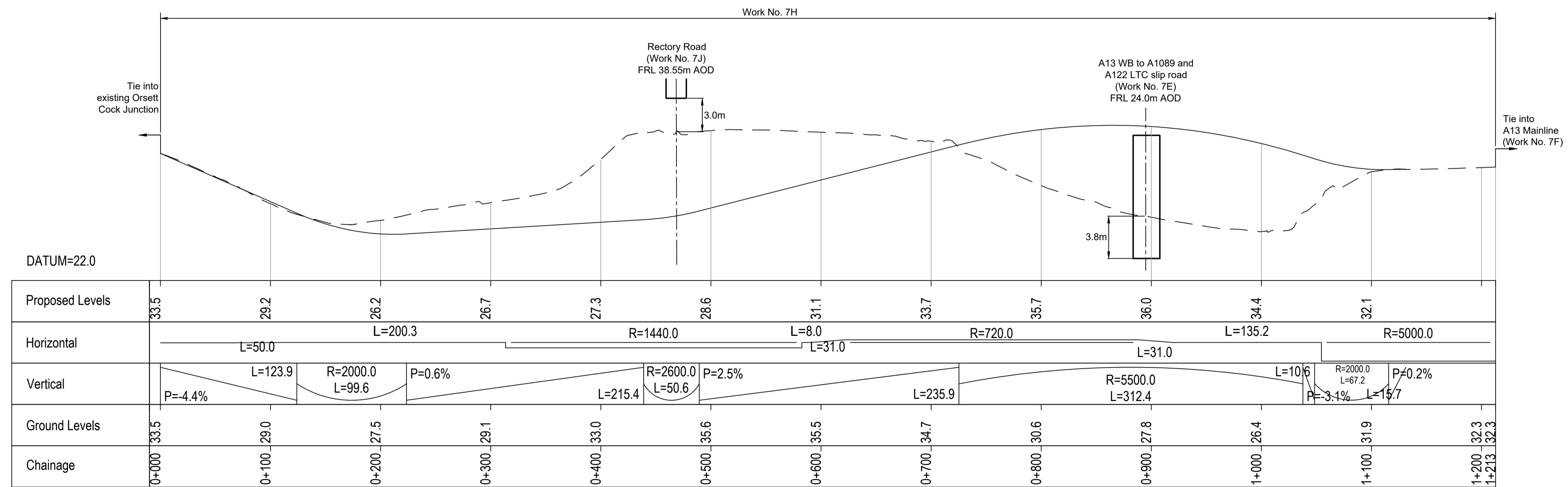
Project

**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A1	Revision	P01
Application Document Number	TR010032/APP/2.9	Scale	AS SHOWN		
Drawing title	<b>A13 JUNCTION - PLAN AND PROFILES</b>				
Drawing Number	<b>REGULATION 5(2)(o) AND 6(2) SHEET 10</b>				
HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10510					



PLAN

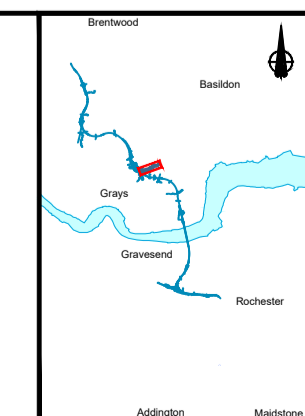
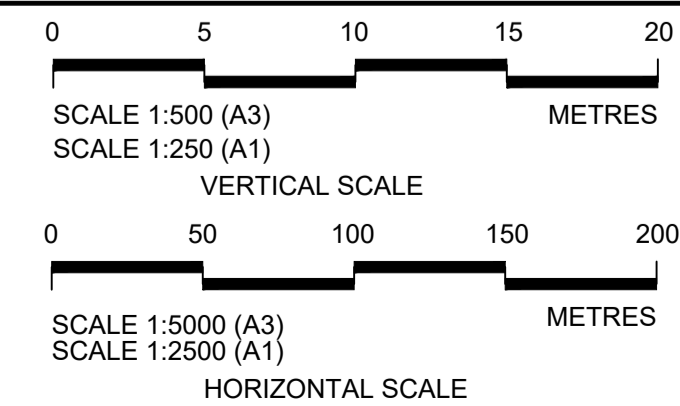


ORSETT COCK TO A13 WESTBOUND PROFILE

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

NOTES:  
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 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.

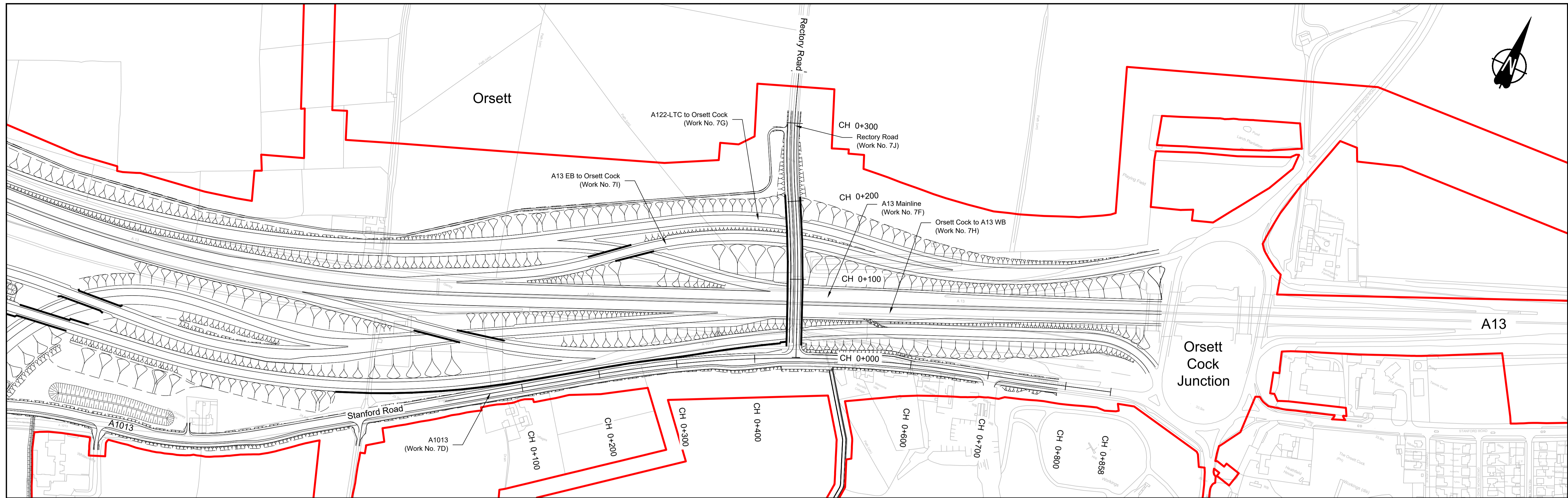
- LEGEND:
- - - Existing ground level
  - ▬ Structure
  - ▬ Proposed road level
  - ▭ Structures - Bridge
  - ▭ Structures - Underpass
  - NB - Northbound
  - WB - Westbound
  - EB - Eastbound
  - SB - Southbound
  - MHWS - Mean High Water Springs
  - MLWS - Mean Low Water Springs
  - FRL - Finished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



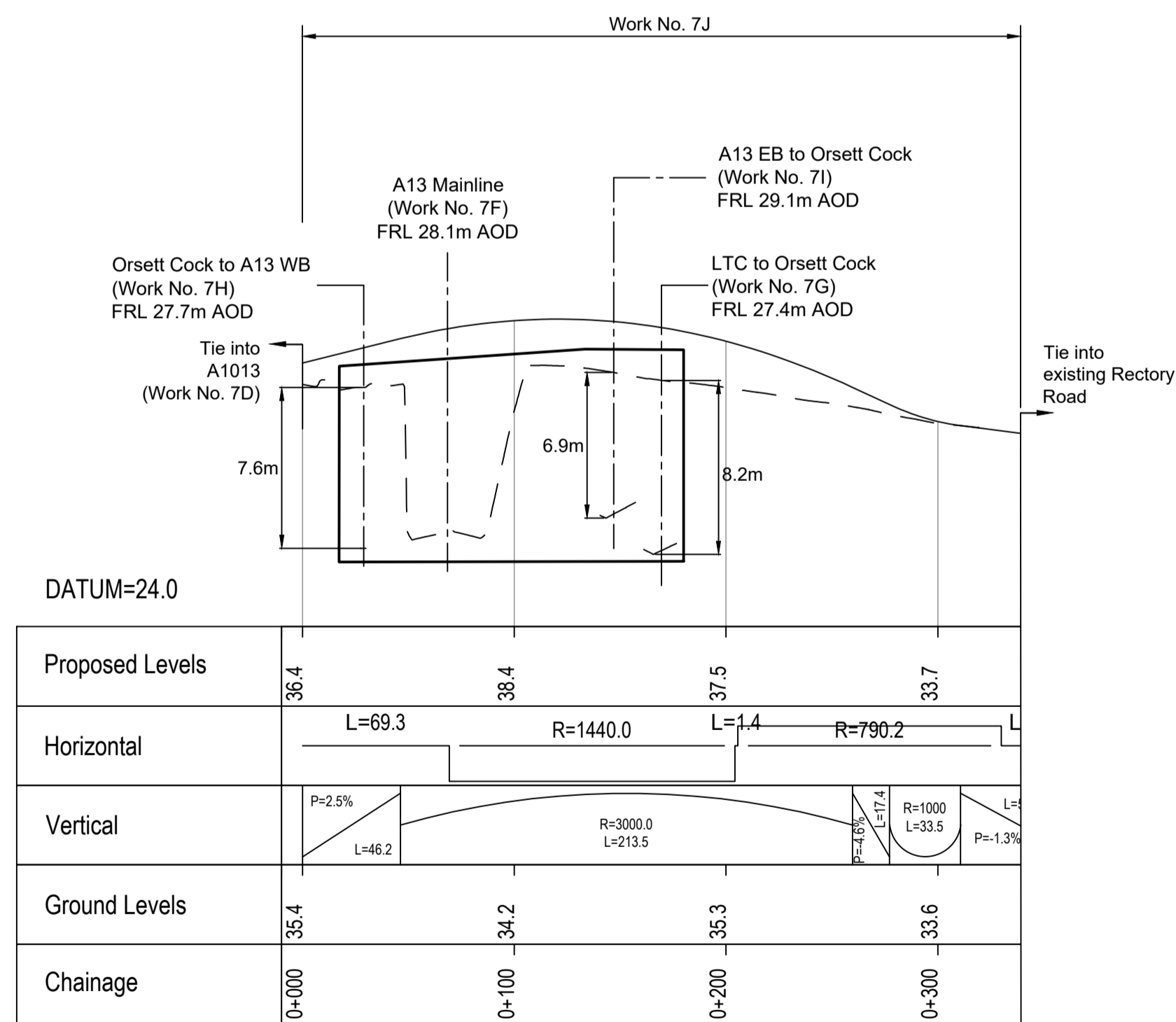
Client: national highways

Project: LOWER THAMES CROSSING

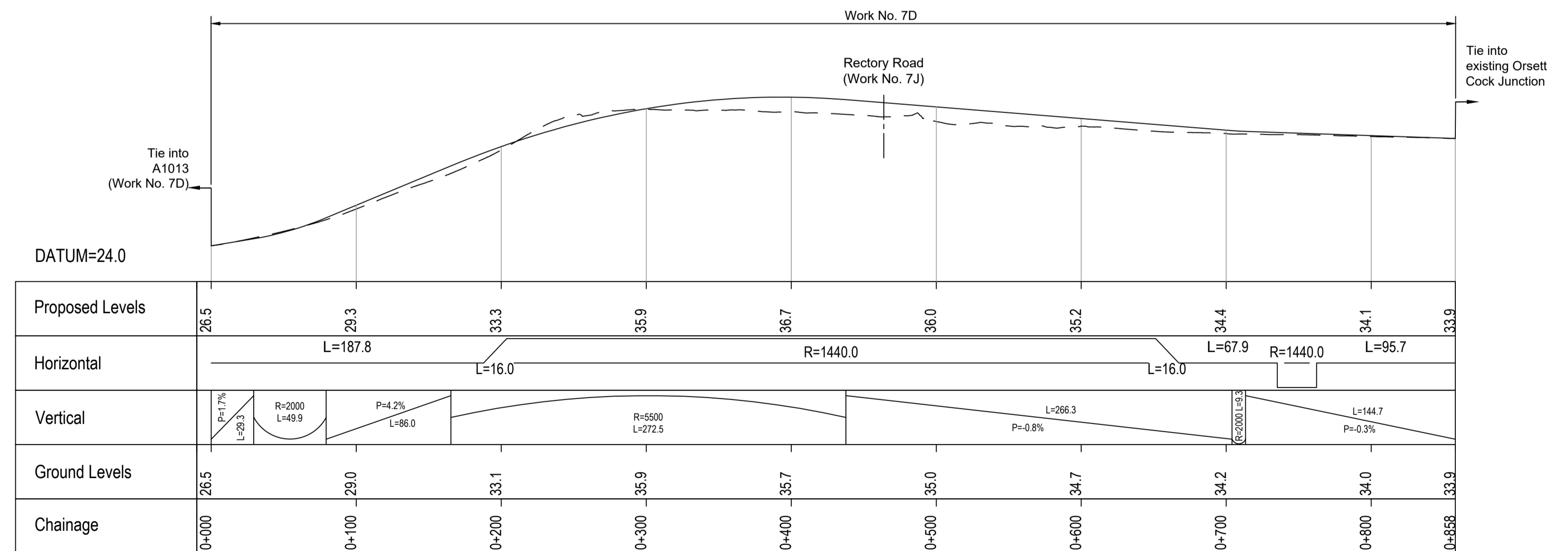
Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.9	A1	P01
Drawing title	A13 JUNCTION - PLAN AND PROFILES REGULATION 5(2)(o) AND 6(2) SHEET 11		
Drawing Number	HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10511		



PLAN



RECTORY ROAD PROFILE



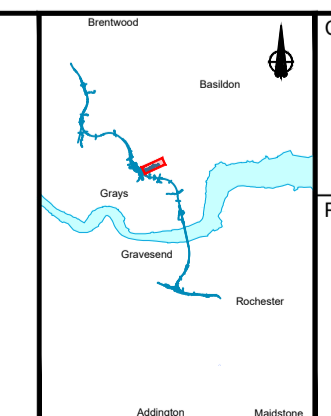
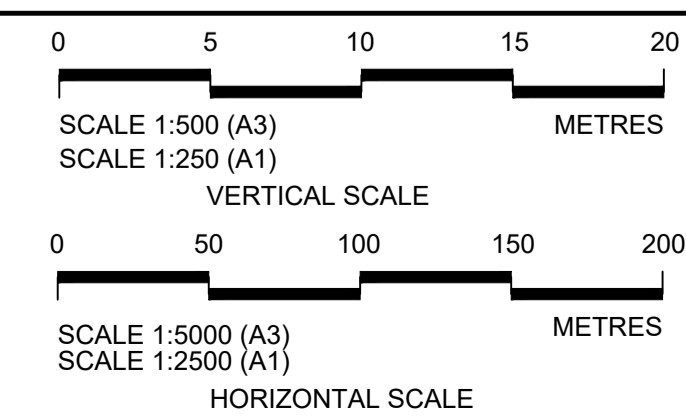
A1013 PROFILE

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

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  - Do not scale from this drawing.
  - 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.

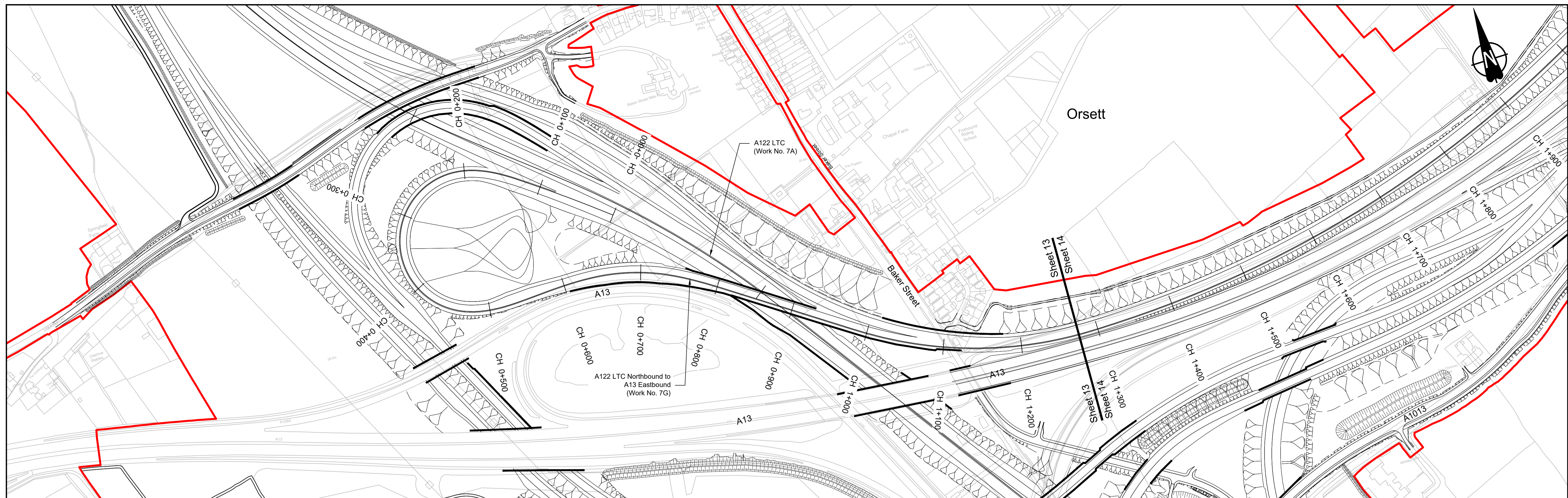
- LEGEND:
- Existing ground level
  - Structure
  - Proposed road level
  - Structures - Bridge
  - Structures - Underpass
  - NB - Northbound
  - WB - Westbound
  - EB - Eastbound
  - SB - Southbound
  - MHWS - Mean High Water Springs
  - MLWS - Mean Low Water Springs
  - FRL - Finished Road Level
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



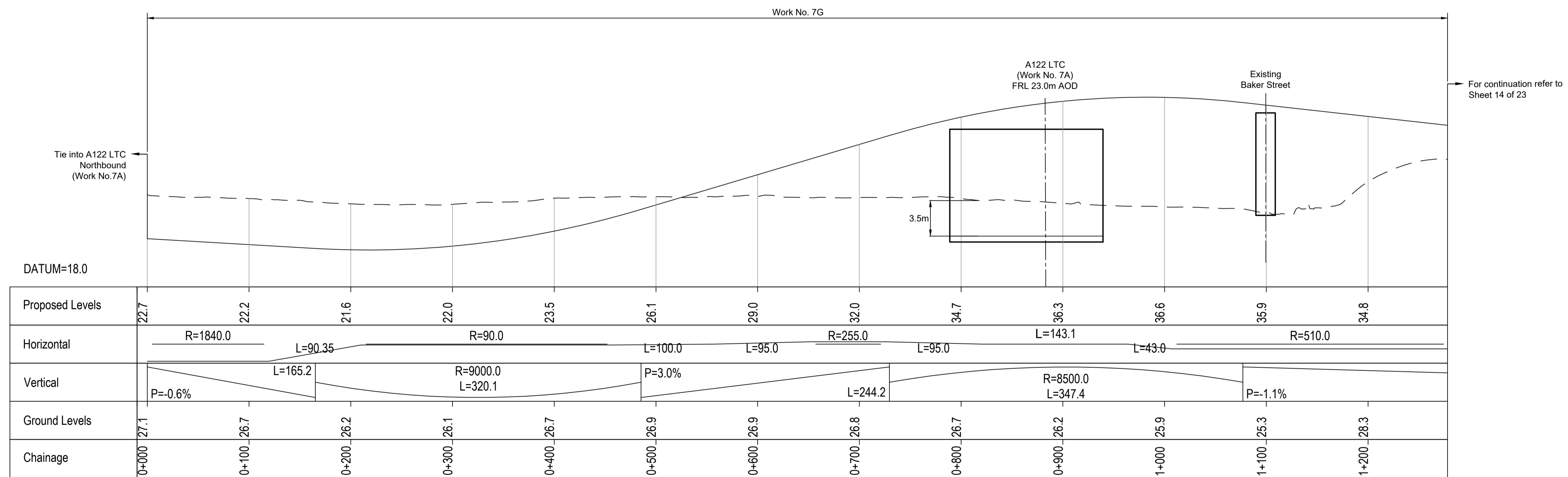
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.9	A1	P01
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



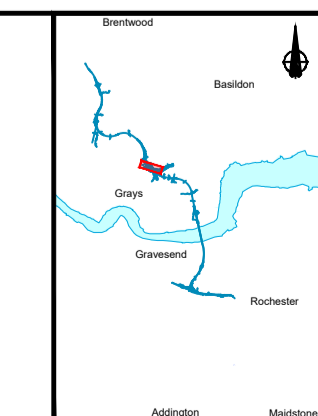
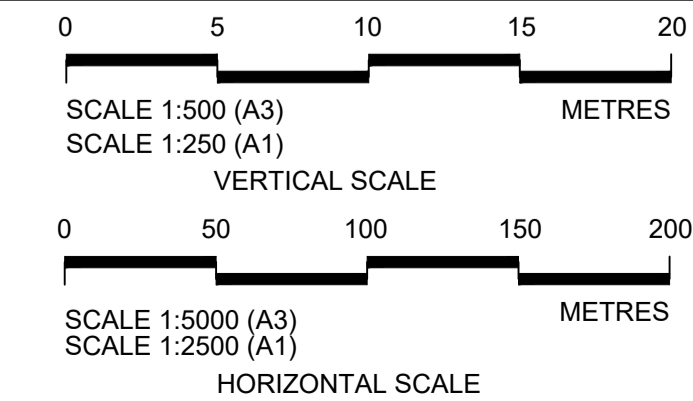
A122 LTC NORTHBOUND TO A13 EASTBOUND PROFILE PART 1

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

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).  
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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:

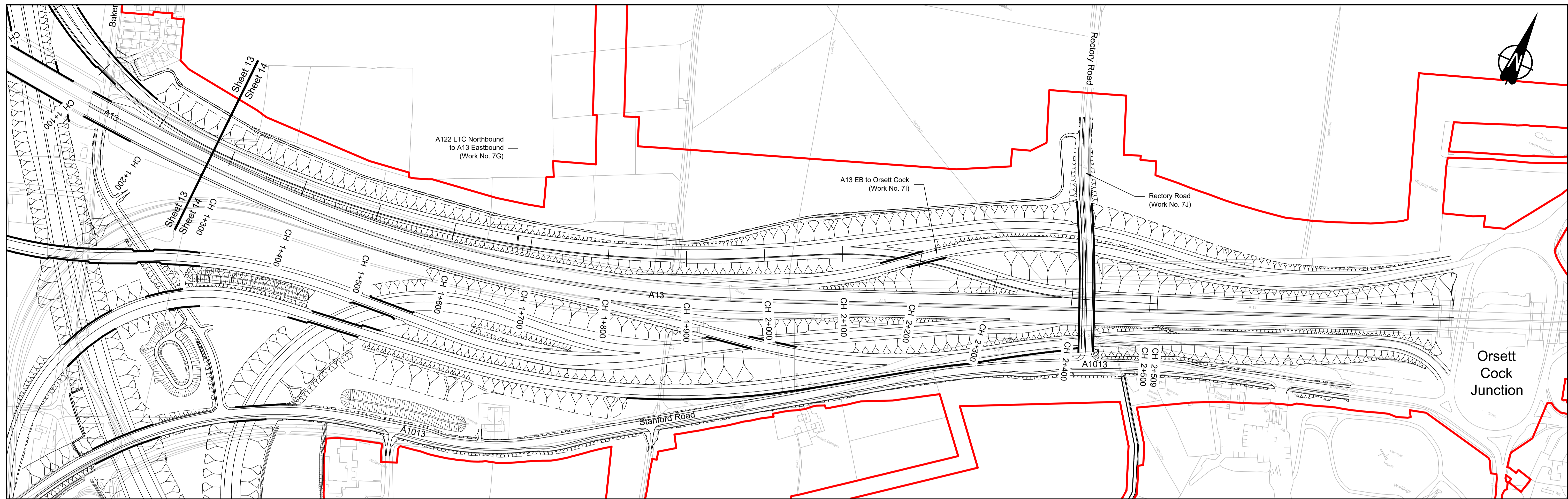
---	Existing ground level	NB	- Northbound
---	Structure	WB	- Westbound
---	Proposed road level	EB	- Eastbound
---	Structures - Bridge	SB	- Southbound
---	Structures - Underpass	MHWS	- Mean High Water Springs
---		MLWS	- Mean Low Water Springs
---		FRL	- Finished Road Level
---		MA	- Maintenance access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



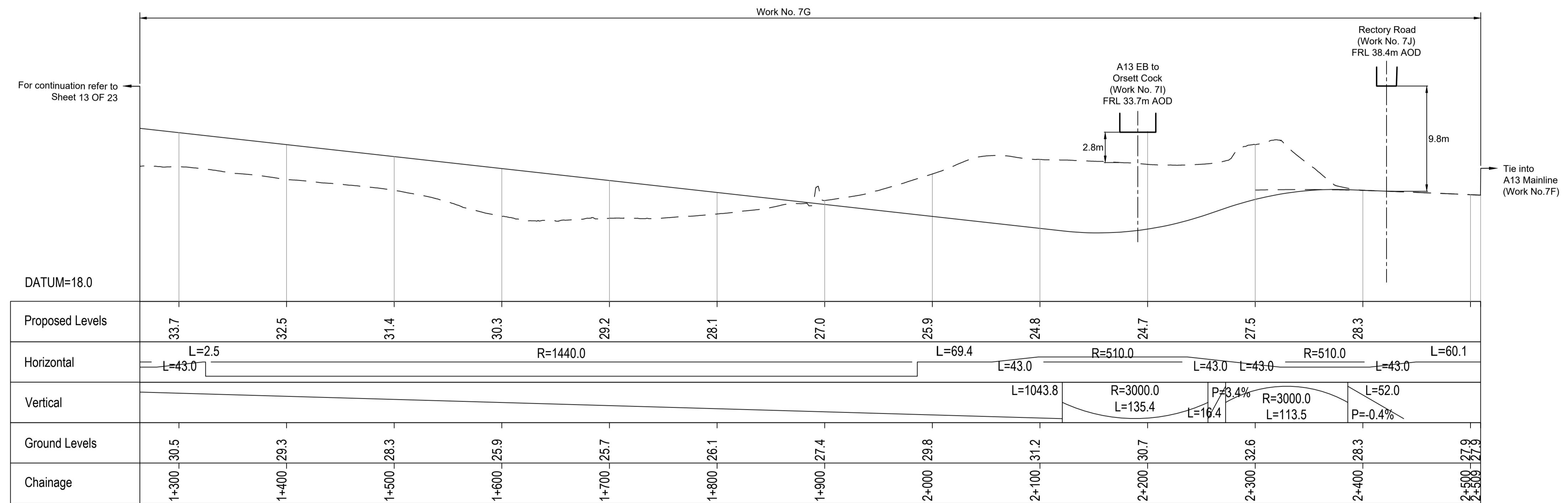
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A1	Revision	P01
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 13				
Drawing Number	HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10513				



PLAN

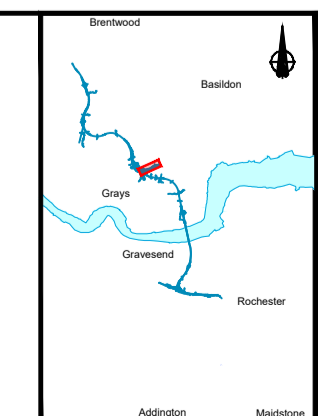
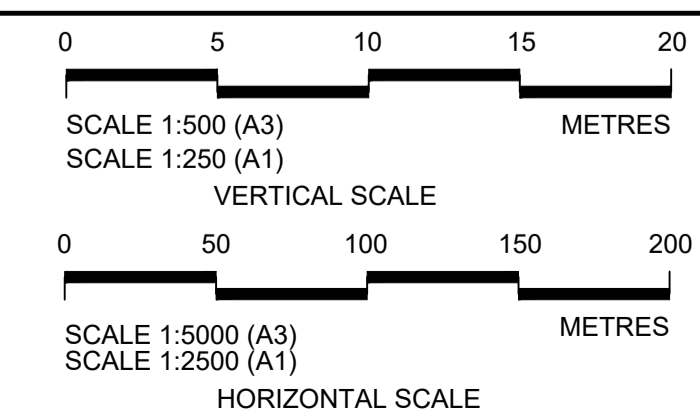


A122 LTC NORTHBOUND TO A13 EASTBOUND PROFILE PART 2

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

- NOTES:
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  - Do not scale from this drawing.
  - 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.

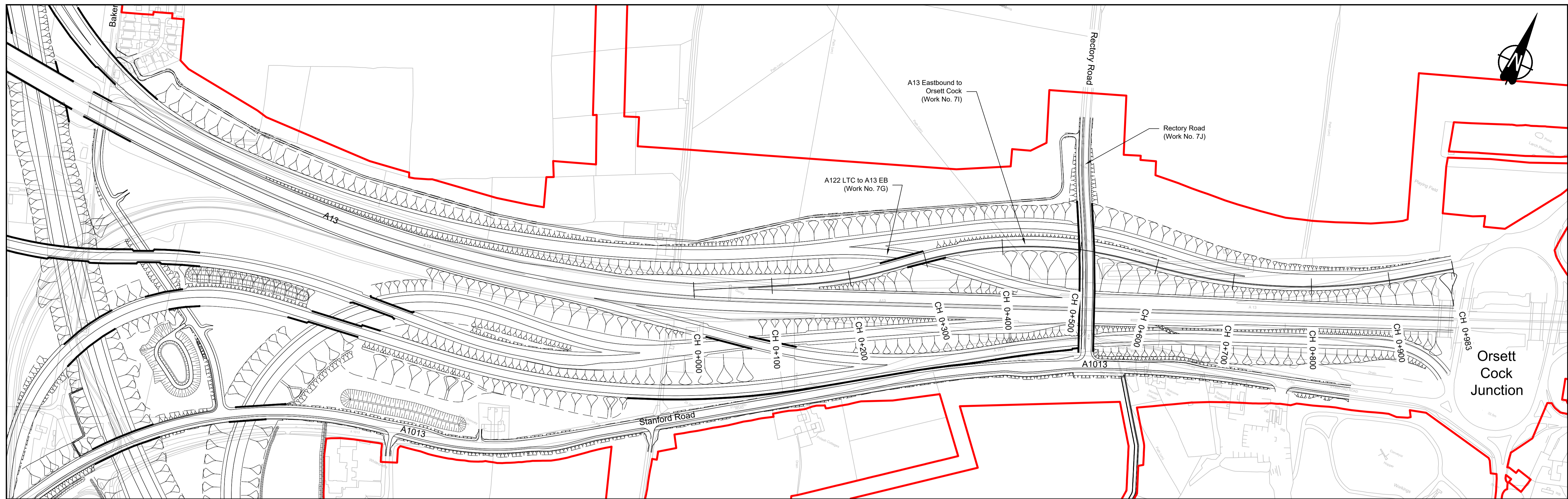
- LEGEND:
- Existing ground level
  - Structure
  - Proposed road level
  - Structures - Bridge
  - Structures - Underpass
  - NB - Northbound
  - WB - Westbound
  - EB - Eastbound
  - SB - Southbound
  - MHWS - Mean High Water Springs
  - MLWS - Mean Low Water Springs
  - FRL - Finished Road Level
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



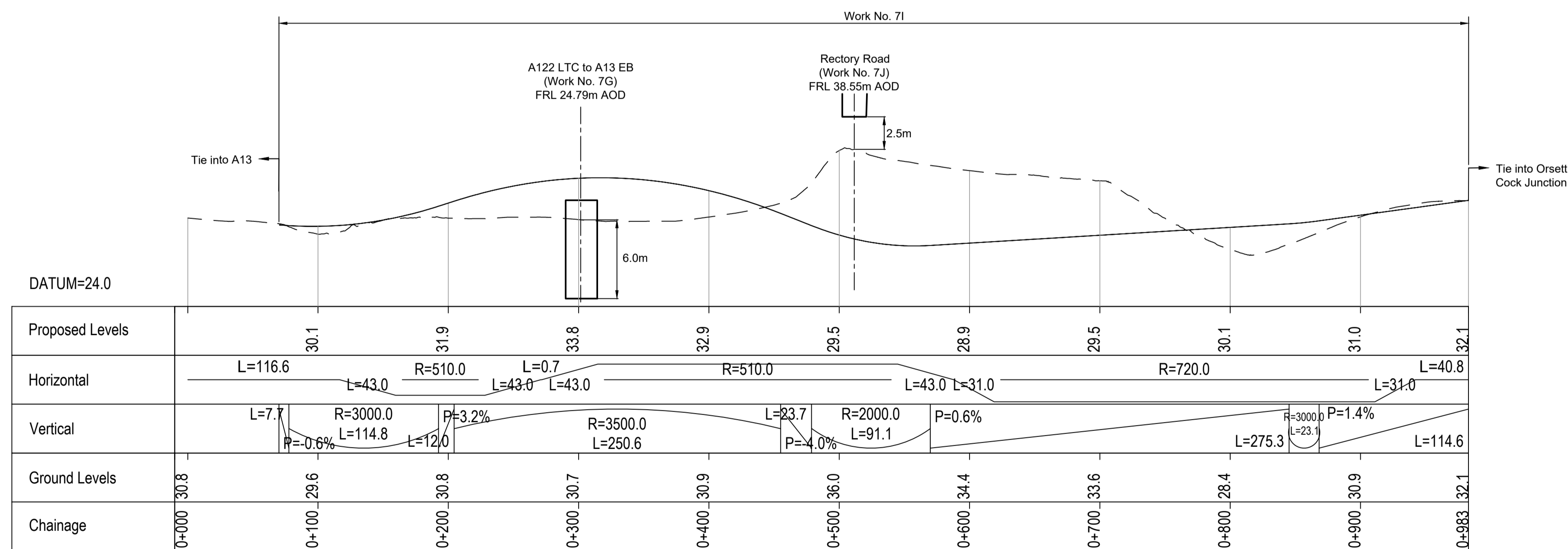
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.9	A1	P01
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

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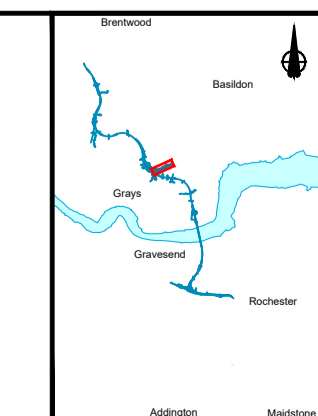
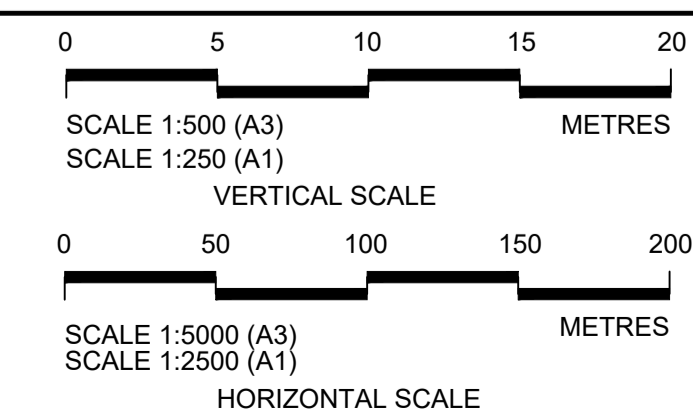
P01	SB	19/10/2022	DCO Application	LY	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

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
- ▭ Maintenance access
- ▭ Order Limits

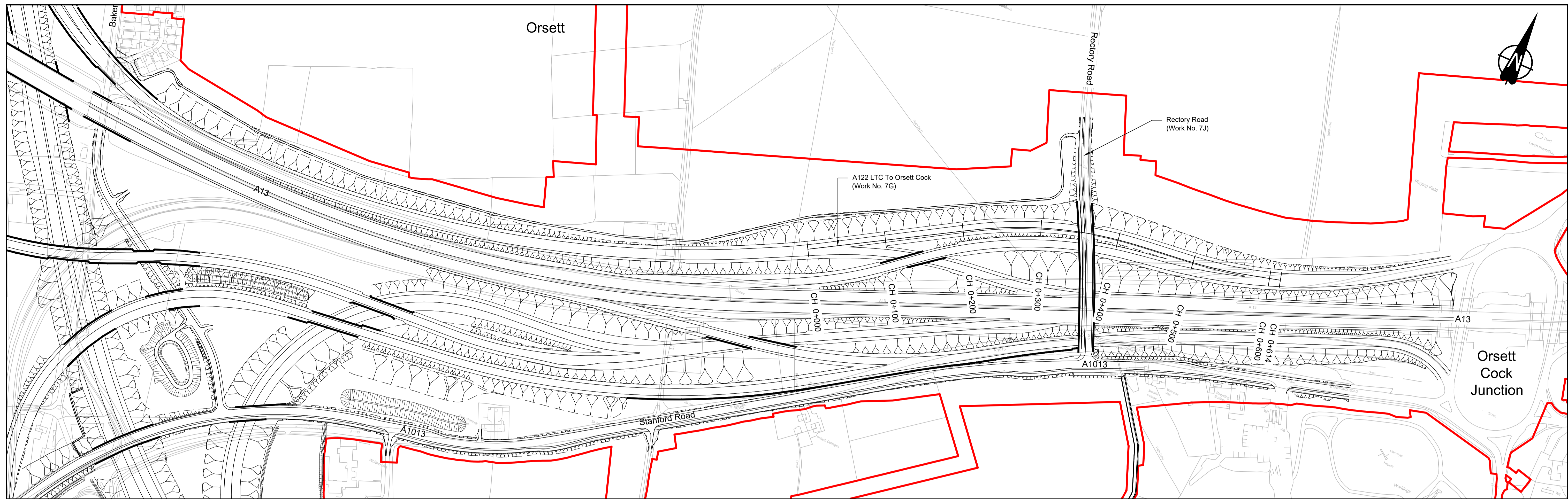


Client: **national highways**

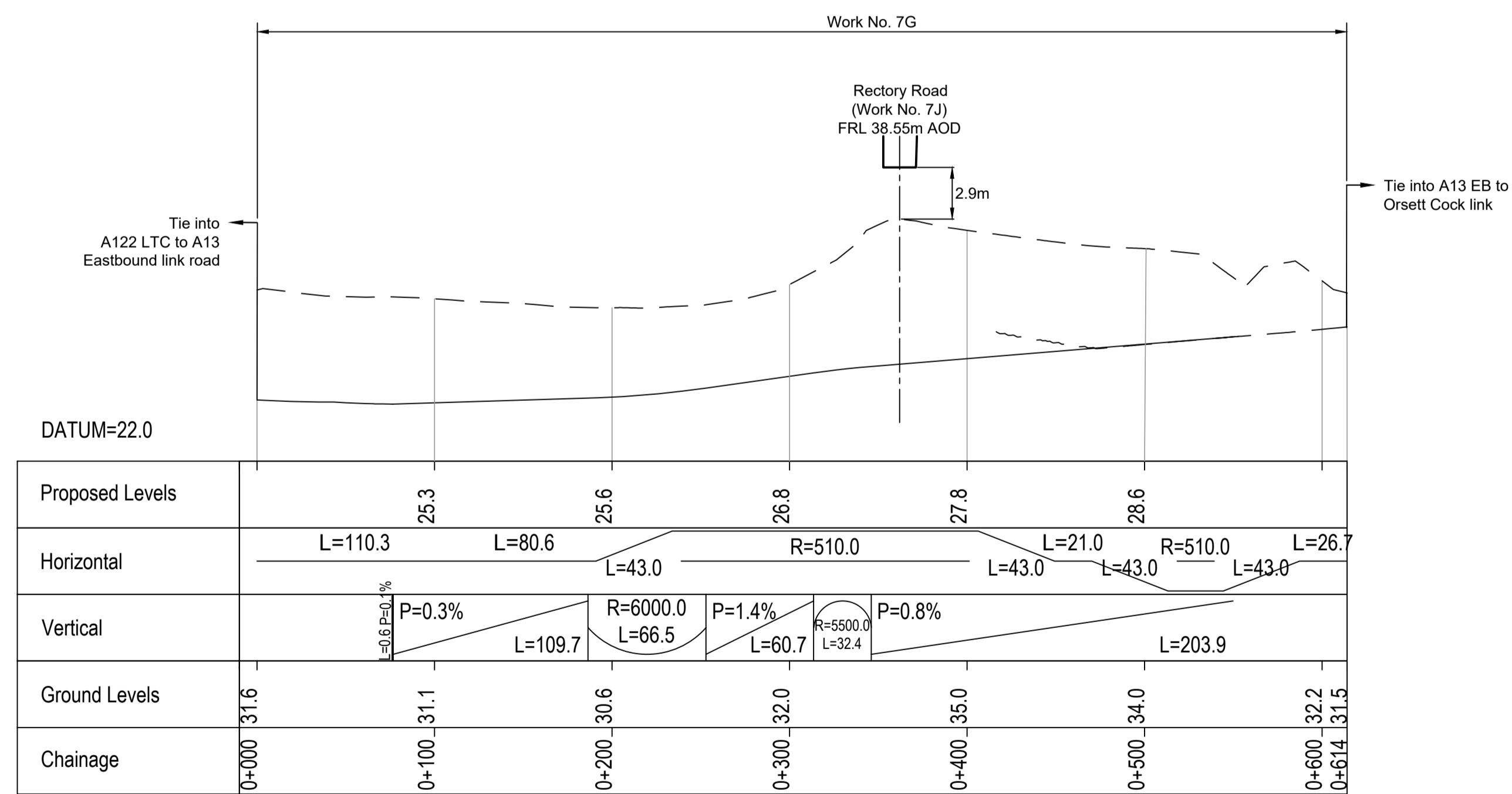
Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.9	A1	P01
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

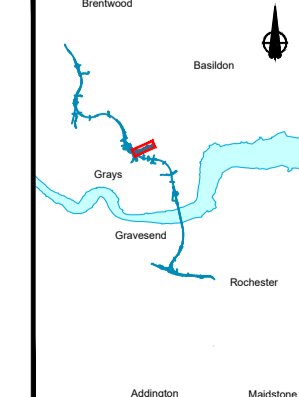
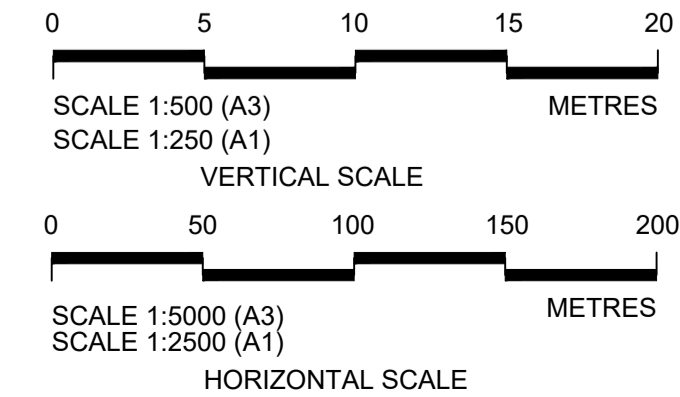


A122 LTC NORTHBOUND TO ORSETT COCK PROFILE

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

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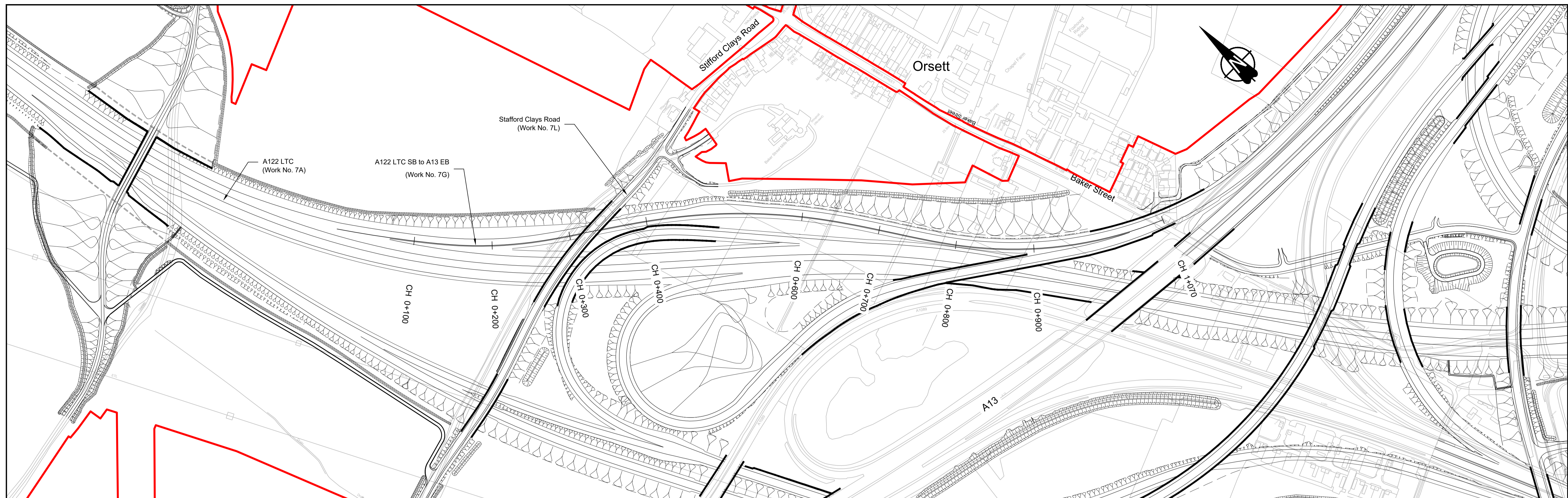
- LEGEND:
- Existing ground level
  - == Structure
  - Proposed road level
  - ▭ Structures - Bridge
  - ▭ Structures - Underpass
  - NB - Northbound
  - WB - Westbound
  - EB - Eastbound
  - SB - Southbound
  - MHWS - Mean High Water Springs
  - MLWS - Mean Low Water Springs
  - FRL - Finished Road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



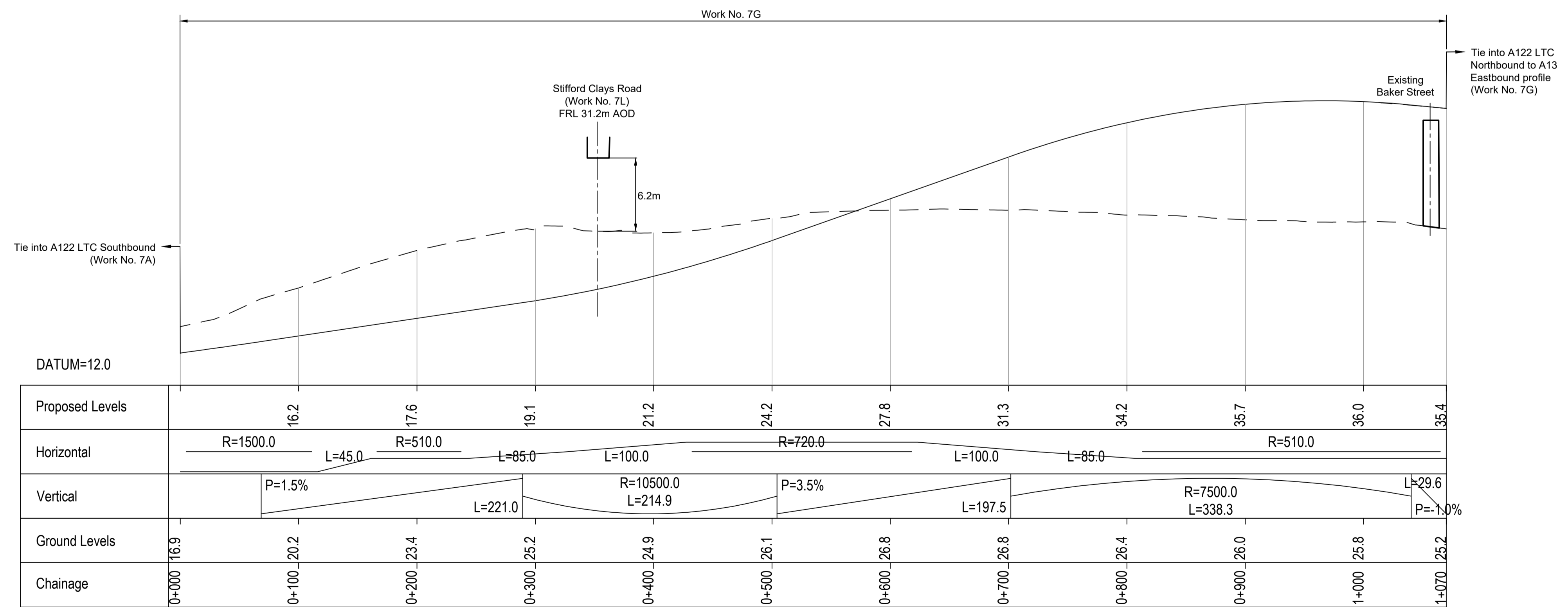
Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.9	A1	P01
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

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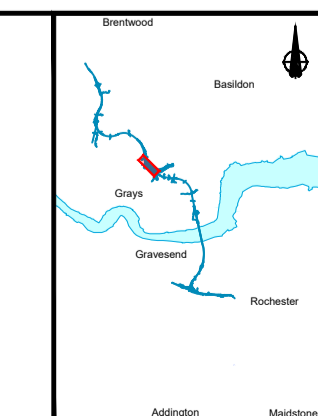
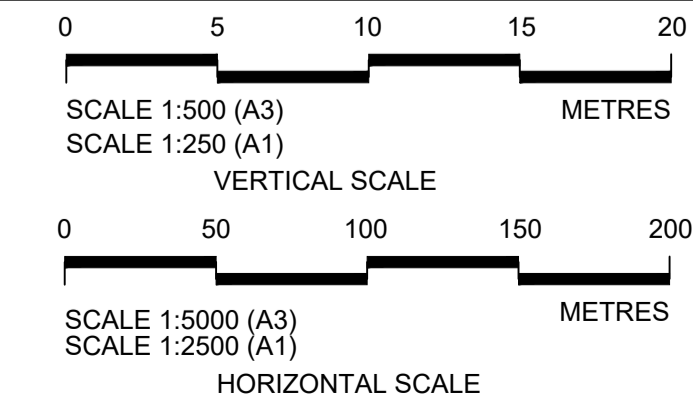
P01	SB	19/10/2022	DCO Application	LY	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

NOTES:

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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:

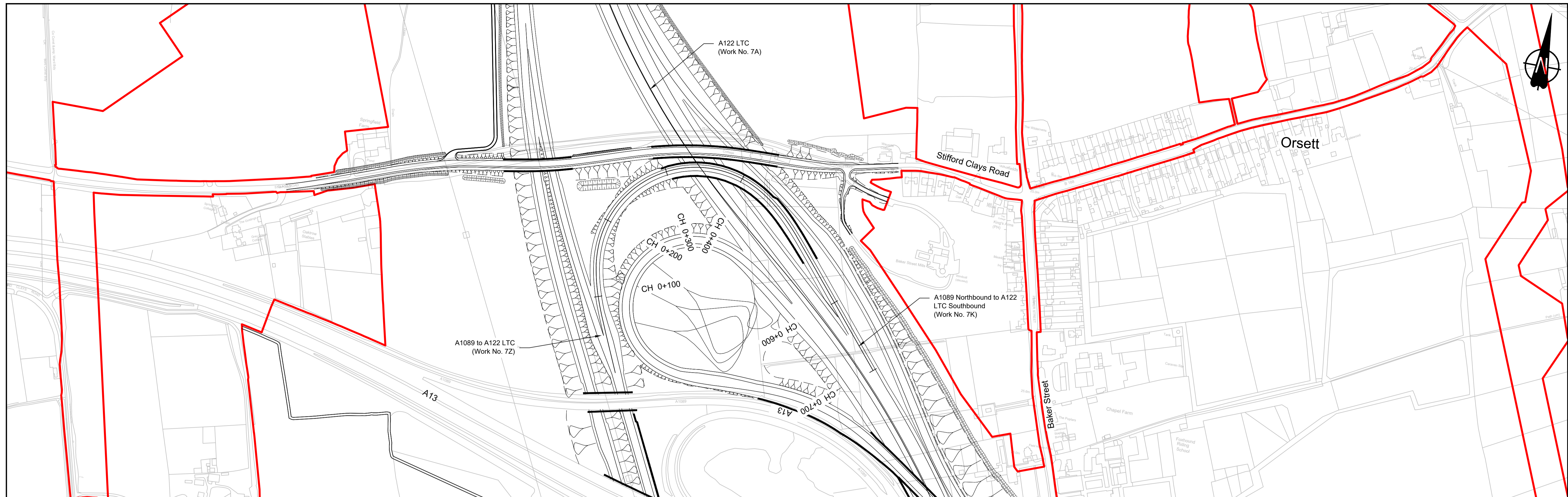
- Existing ground level
- == Structure
- Proposed road level
- ▭ Structures - Bridge
- ▭ Structures - Underpass
- NB - Northbound
- WB - Westbound
- EB - Eastbound
- SB - Southbound
- MHWS - Mean High Water Springs
- MLWS - Mean Low Water Springs
- FRL - Finished Road Level
- ▨ Maintenance access
- Order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



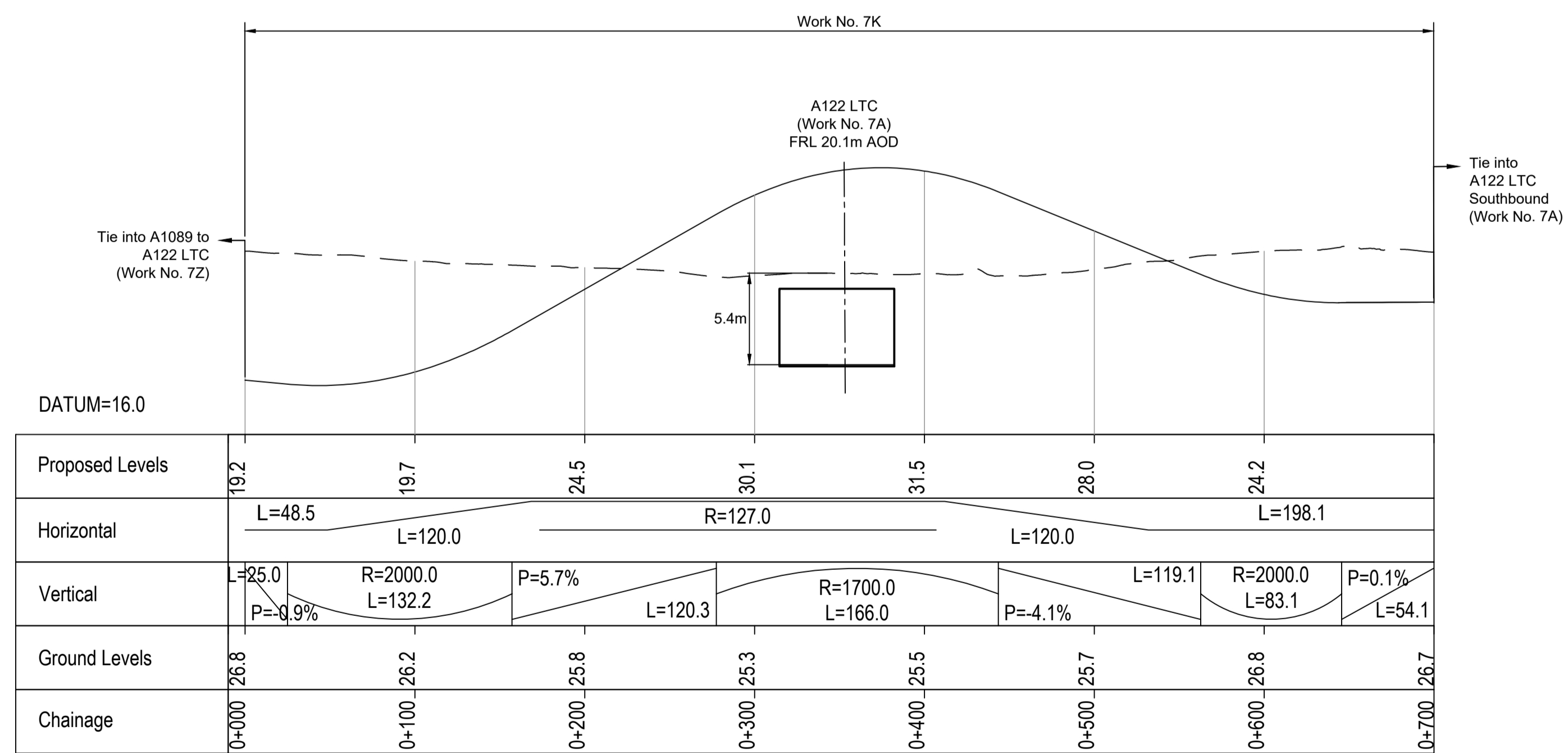
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.9	A1	P01
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

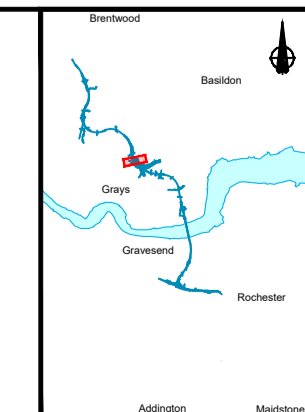
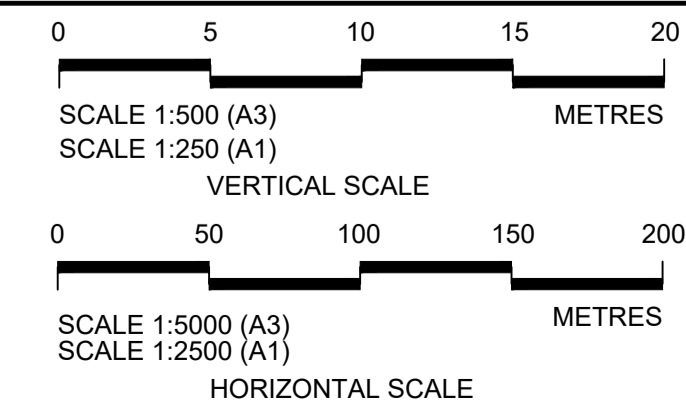


A1089 NORTHBOUND TO A122 LTC SOUTHBOUND PROFILE

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

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

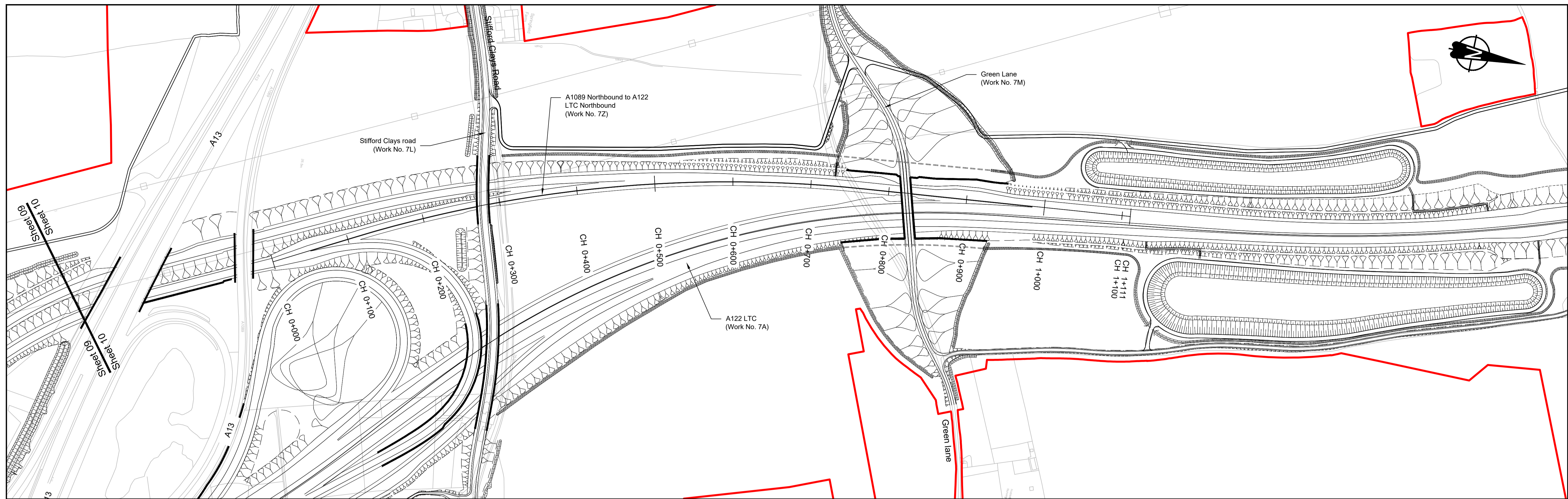
- LEGEND:
- Existing ground level
  - Structure
  - Proposed road level
  - Structures - Bridge
  - Structures - Underpass
  - NB - Northbound
  - WB - Westbound
  - EB - Eastbound
  - SB - Southbound
  - MHWS - Mean High Water Springs
  - MLWS - Mean Low Water Springs
  - FRL - Finished Road Level
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



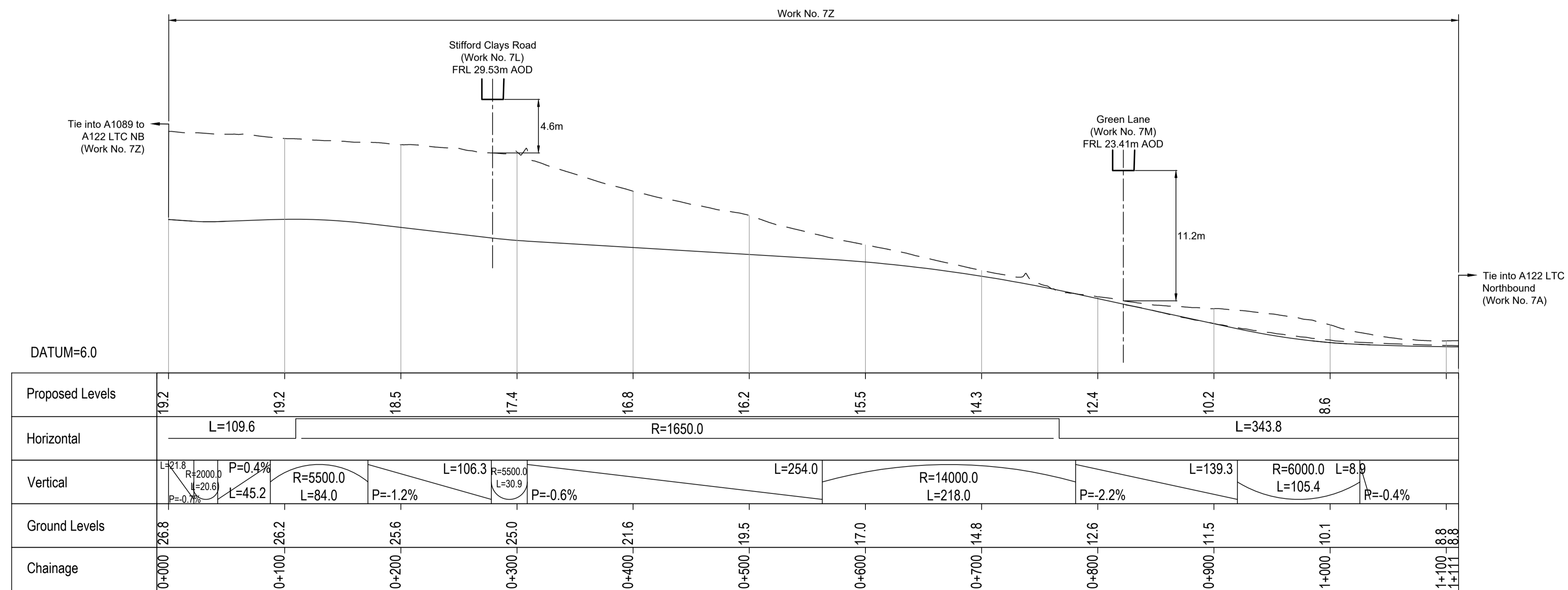
Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.9	A1	P01
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

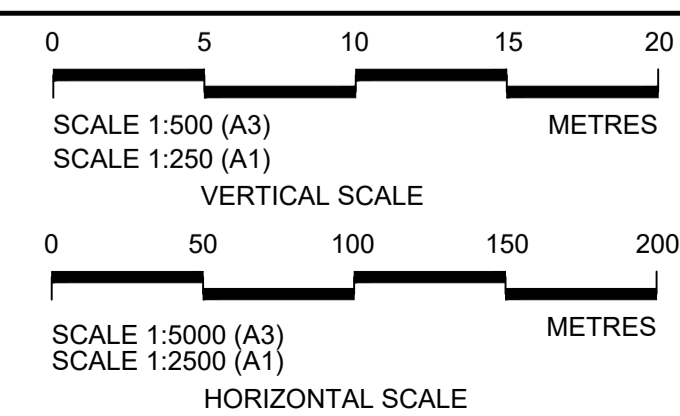


A1089 NORTHBOUND TO A122 LTC NORTHBOUND PROFILE

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

NOTES:  
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 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.

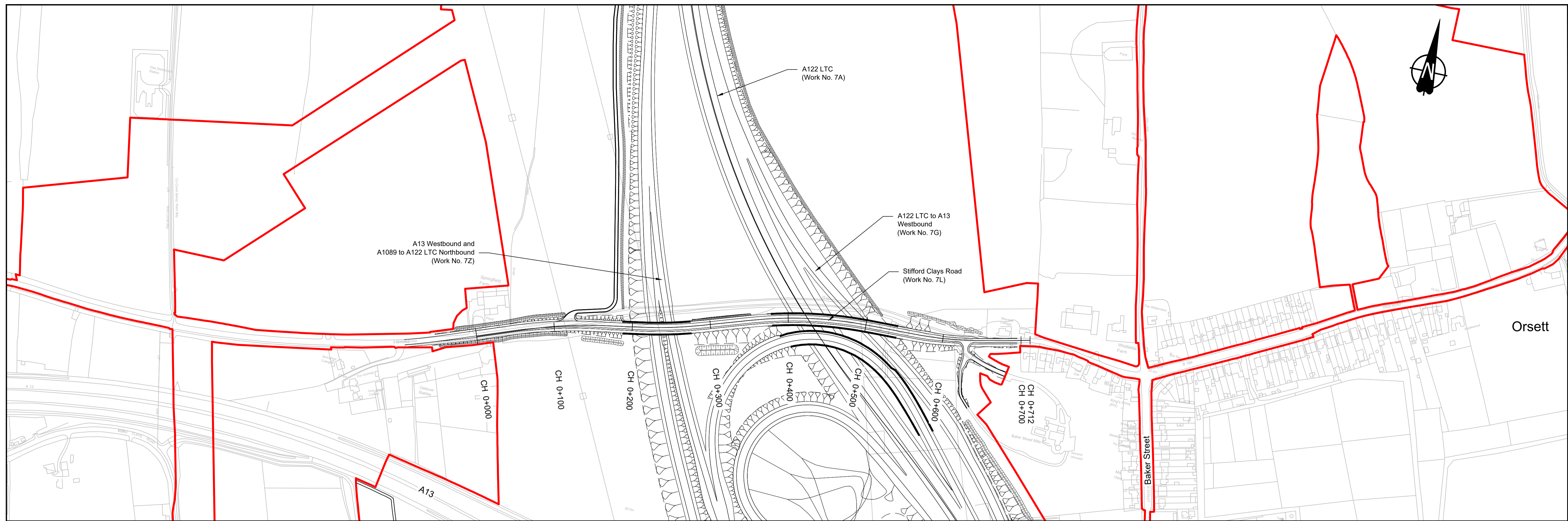
- LEGEND:
- Existing ground level
  - Structure
  - Proposed road level
  - Structures - Bridge
  - Structures - Underpass
  - NB - Northbound
  - WB - Westbound
  - EB - Eastbound
  - SB - Southbound
  - MHWS - Mean High Water Springs
  - MLWS - Mean Low Water Springs
  - FRL - Finished Road Level
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



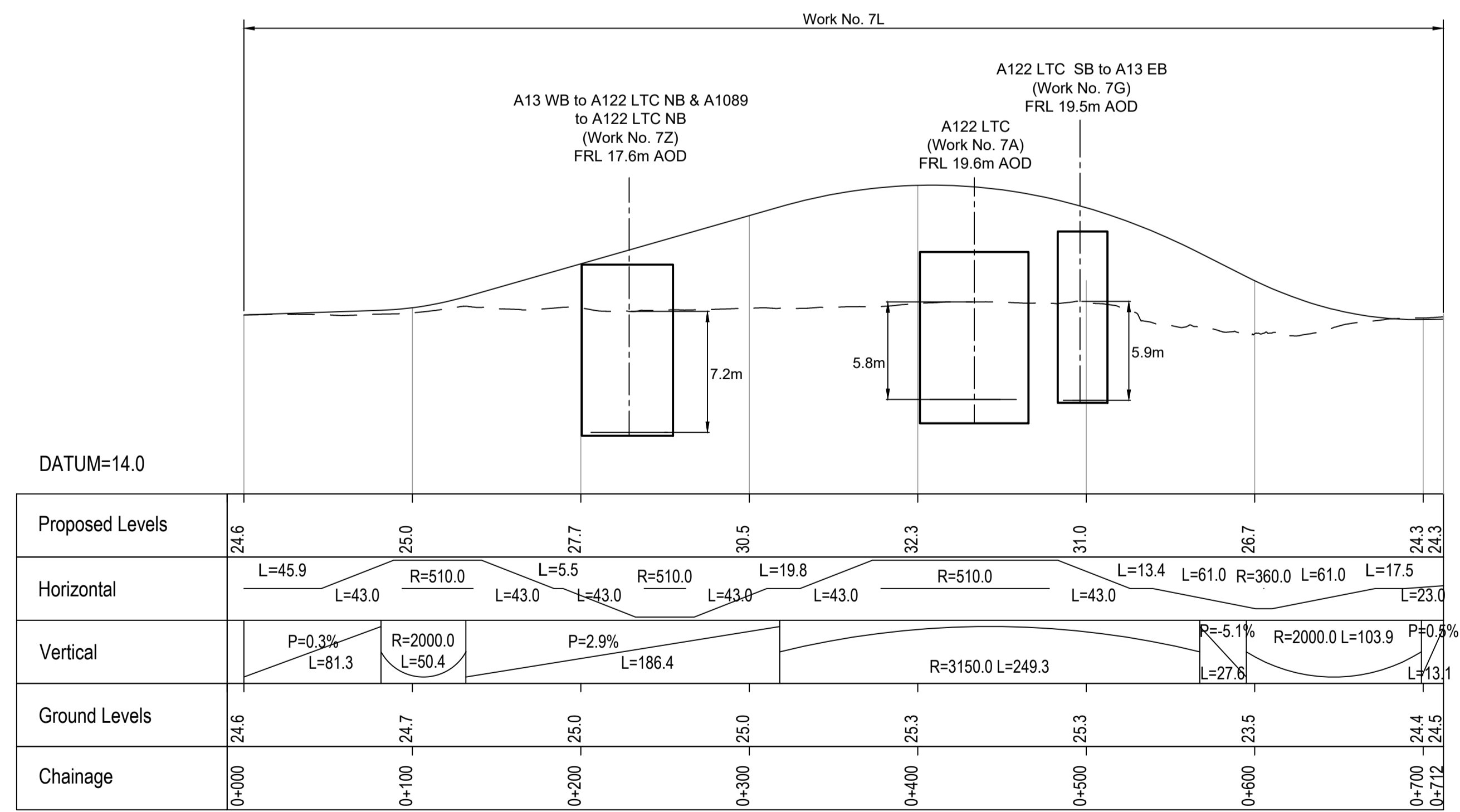
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.9	A1	P01
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



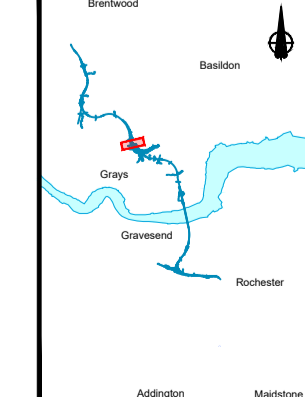
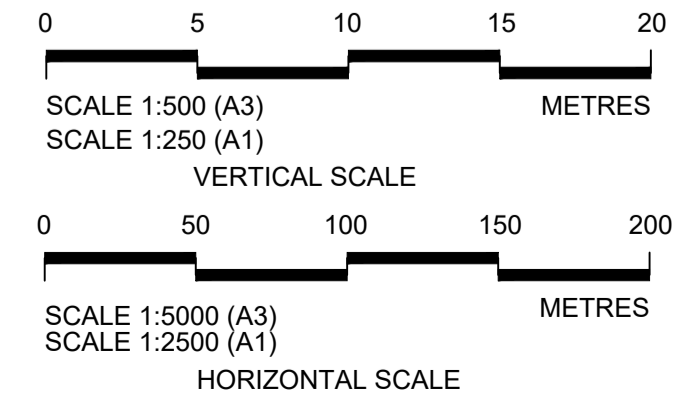
STIFFORD CLAYS ROAD PROFILE

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

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

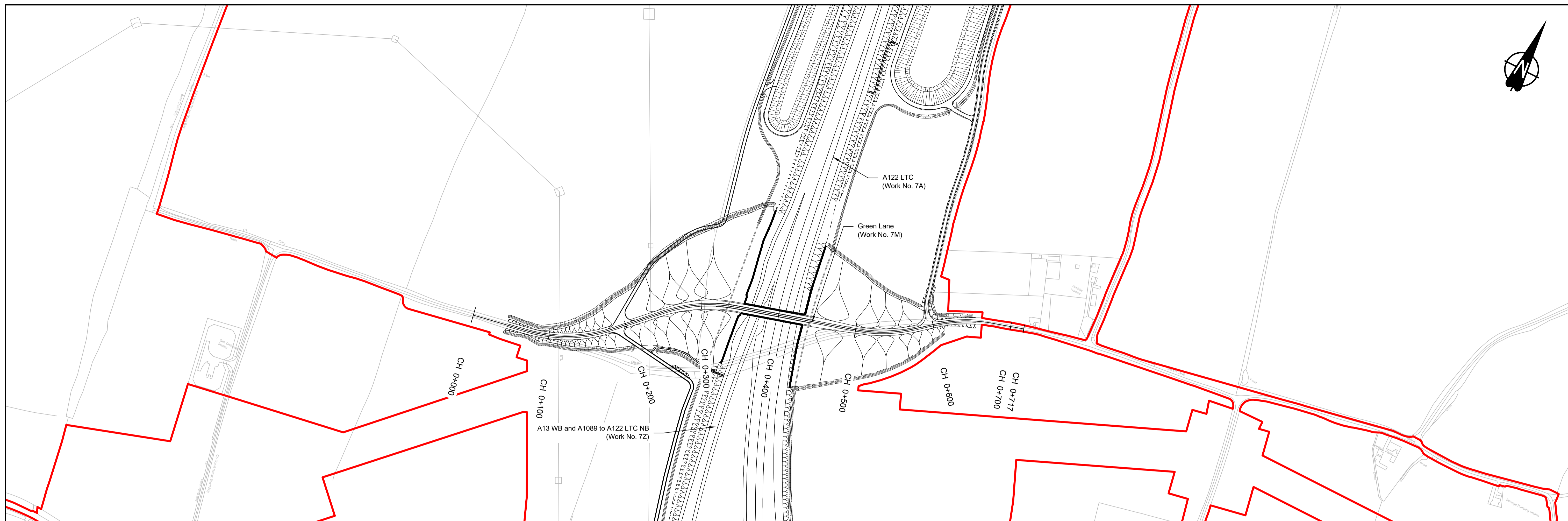
- LEGEND:
- Existing ground level
  - Structure
  - Proposed road level
  - Structures - Bridge
  - Structures - Underpass
  - NB - Northbound
  - WB - Westbound
  - EB - Eastbound
  - SB - Southbound
  - MHWS - Mean High Water Springs
  - MLWS - Mean Low Water Springs
  - FRL - Finished Road Level
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



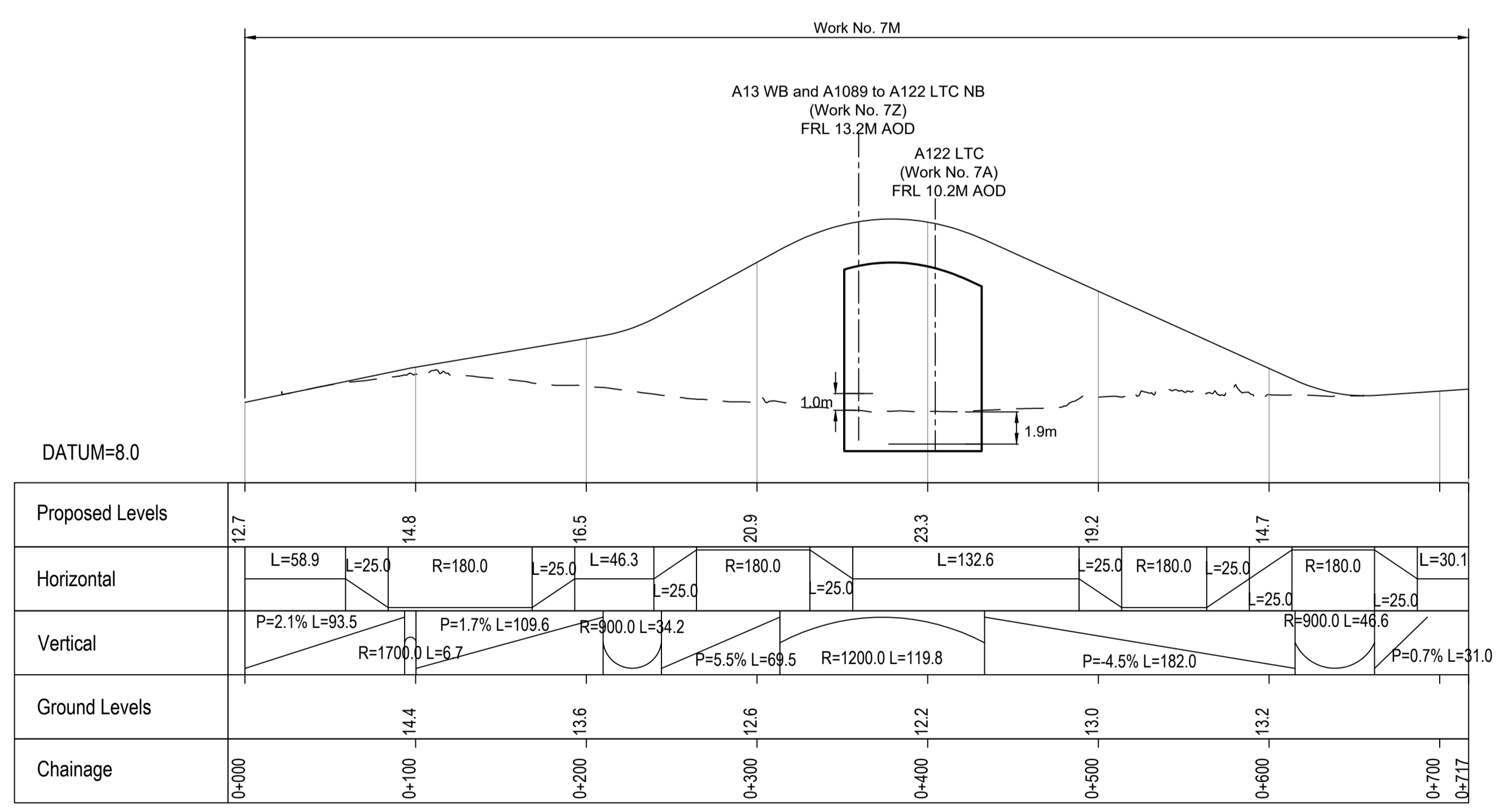
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.9	A1	P01
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

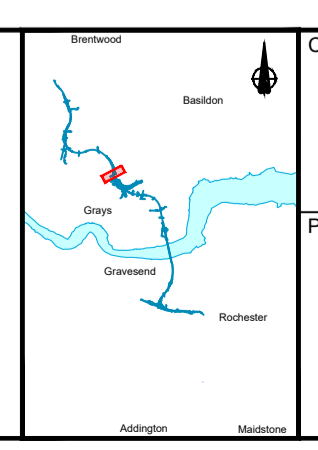
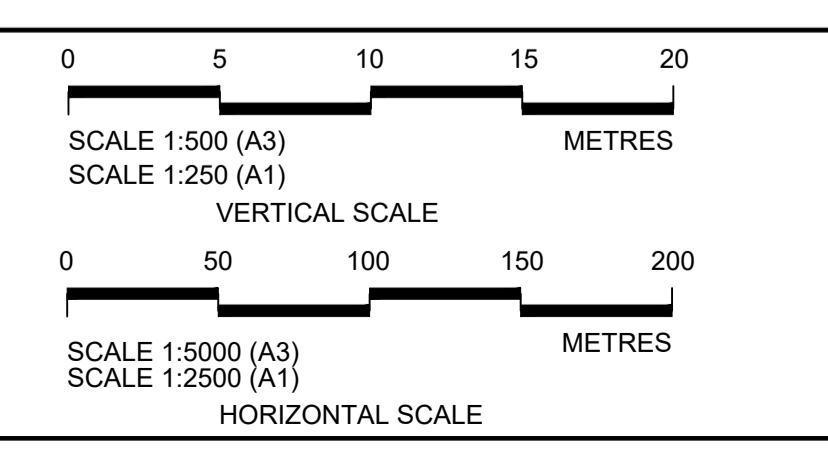
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P01	S8	19/10/2022	DCO Application	LY	BB ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd / Apprv'd

**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:**

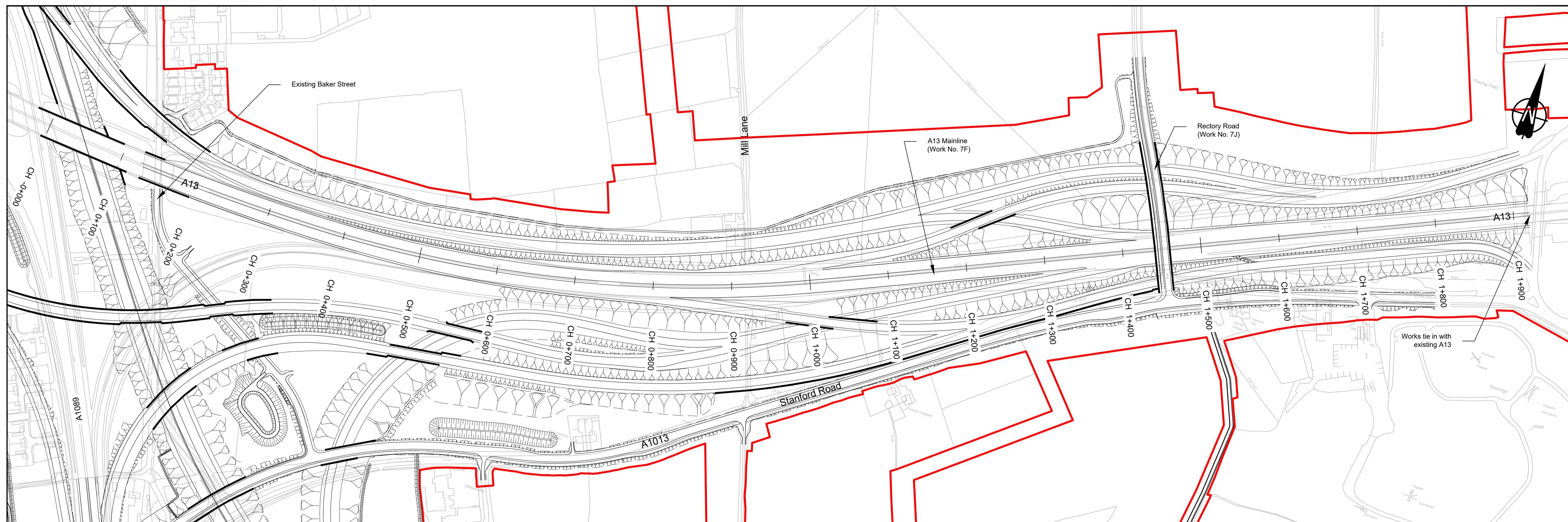
- - - Existing ground level
- Structure
- Proposed road level
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- Structures - Underpass
- NB - Northbound
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- SB - Southbound
- MHWS - Mean High Water Springs
- MLWS - Mean Low Water Springs
- FRL -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



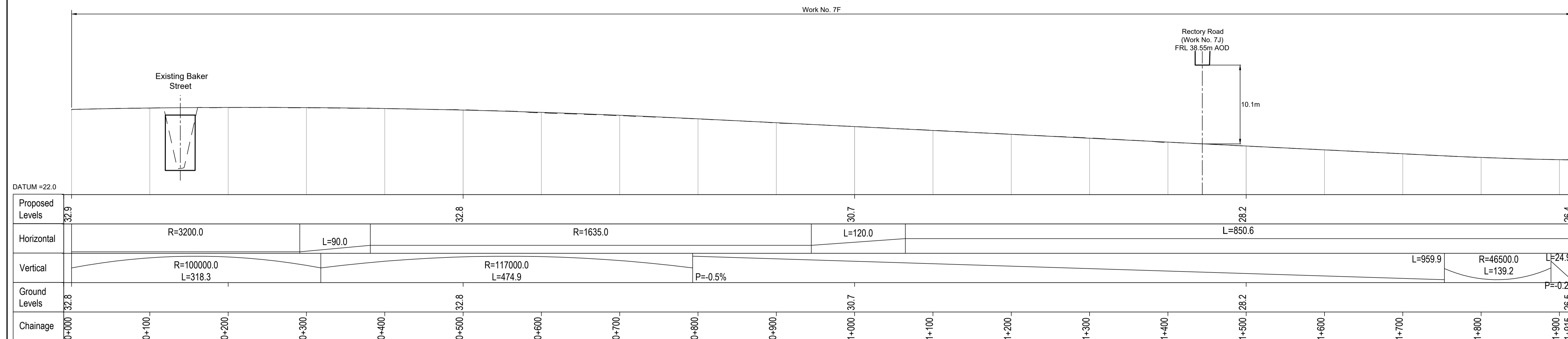
**national highways**

**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A1	Revision	P01
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



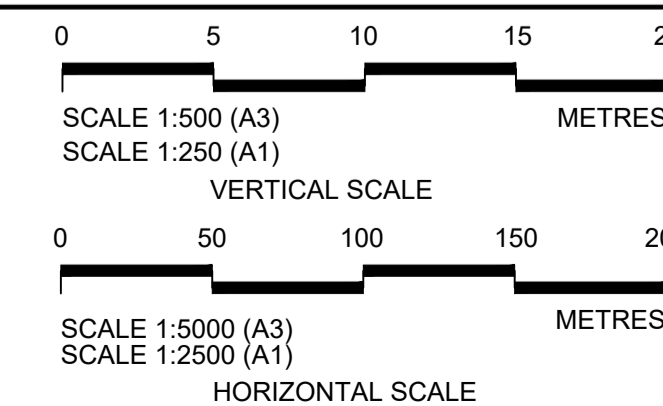
A13 MAINLINE PROFILE

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

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

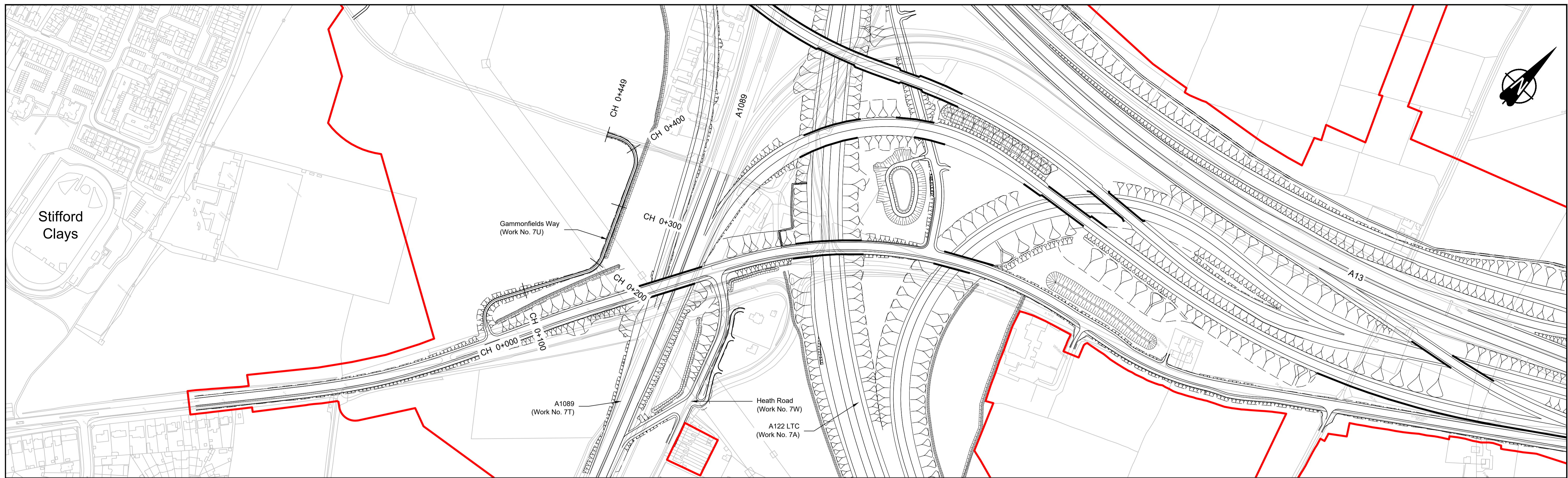
- LEGEND:
- Existing ground level
  - Structure
  - Proposed road level
  - Structures - Bridge
  - Structures - Underpass
  - NB - Northbound
  - WB - Westbound
  - EB - Eastbound
  - SB - Southbound
  - MLWS - Mean High Water Springs
  - MLWS - Mean Low Water Springs
  - FRL - Finished Road Level
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



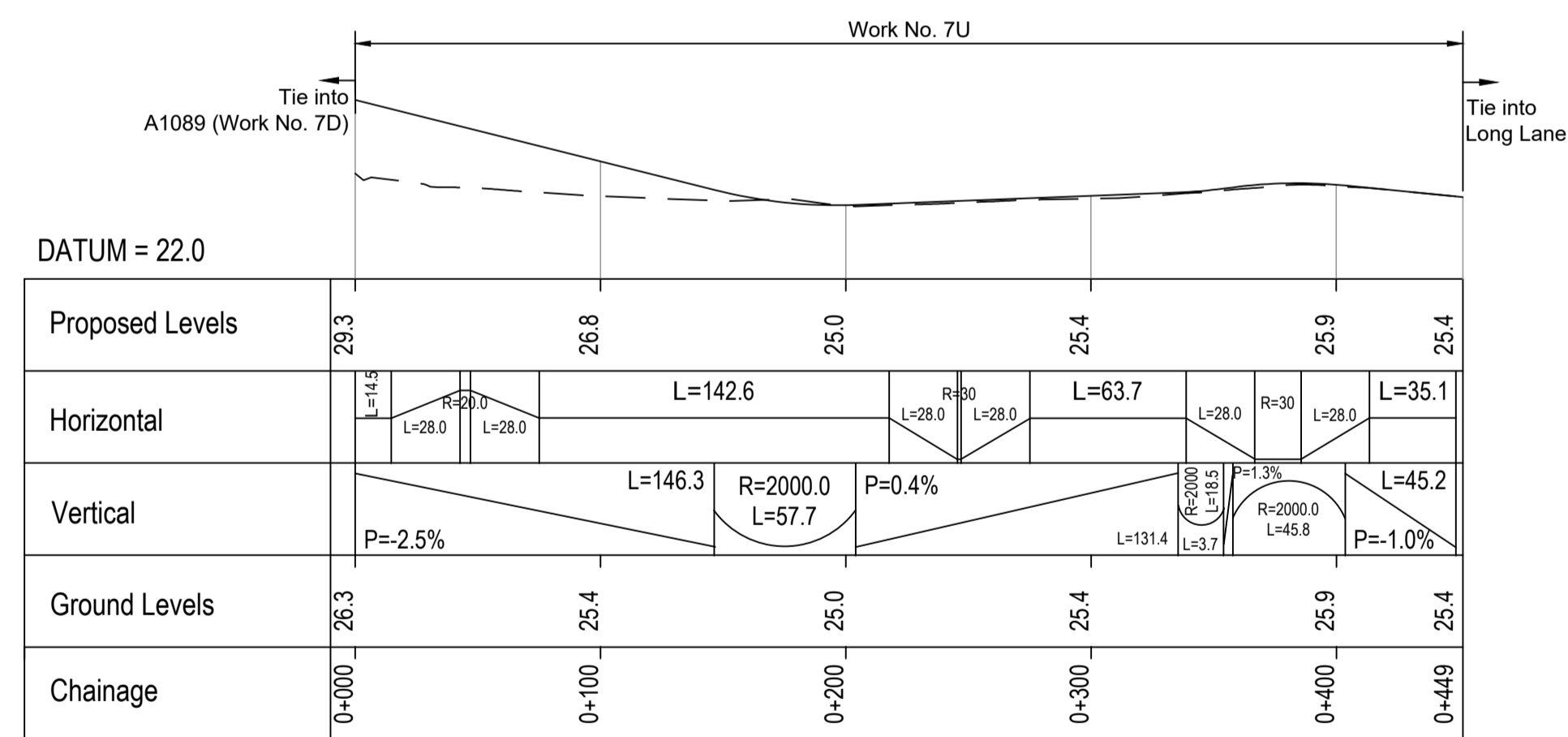
national highways

LOWER THAMES CROSSING

Status	DCO Application	Original Size	A1	Revision	P01
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



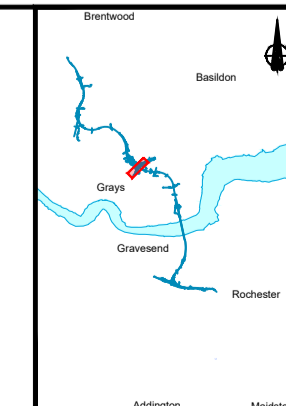
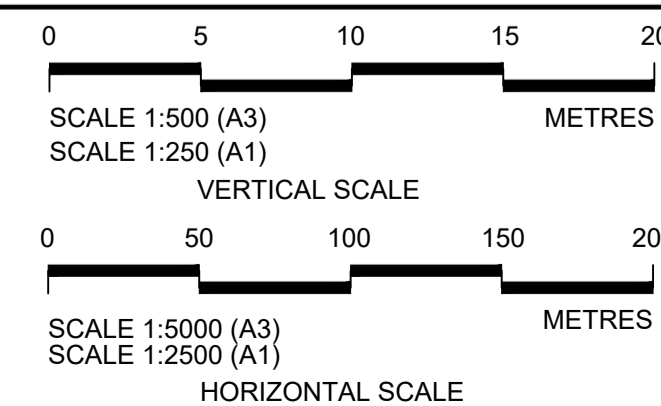
GAMMONFIELDS WAY PROFILE

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P01	S8	19/10/2022	DCO Application	LY	BB	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'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
  - MLWS - 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 Application	Original Size	A1	Revision	P01
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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