



# Lower Thames Crossing

## 2.9 Engineering Drawings and Sections

### Volume B (A122 LTC Cross Sections)

(Tracked changes 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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### Revision history

| Version             | Date                            | Submitted at               |
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| 1.0                 | 31 October 2022                 | DCO Application            |
| 2.0                 | 24 August 2023                  | Deadline 3                 |
| 3.0                 | 19 September 2023               | Deadline 4                 |
| <a href="#">4.0</a> | <a href="#">31 October 2023</a> | <a href="#">Deadline 6</a> |

# 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).
- 1.1.12 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 3 to include the minor amendments as advised by the Examining Authority in Rule 9 [\[PD-022\]](#).
- 1.1.16 These plans have been updated for Deadline 4 to include the proposed changes MRC01, MRC02 and MRC03 following the procedural decision made by the Examining Authority [\[PD-031\]](#).
- 1.1.17 This set has been updated for Deadline 6 to include two new drawings (sheets 19 and 20) as stated at Deadline 5 (in document 9.118 Applicant's response to IP's comments on the dDCO at Deadline 4 REP5-089) in response to Gravesham Borough Council comments on Chalk Park. These new drawings provide further information on Chalk Park and Tilbury Fields proposed levels.

## 2 Schedule of Plans included in this application document

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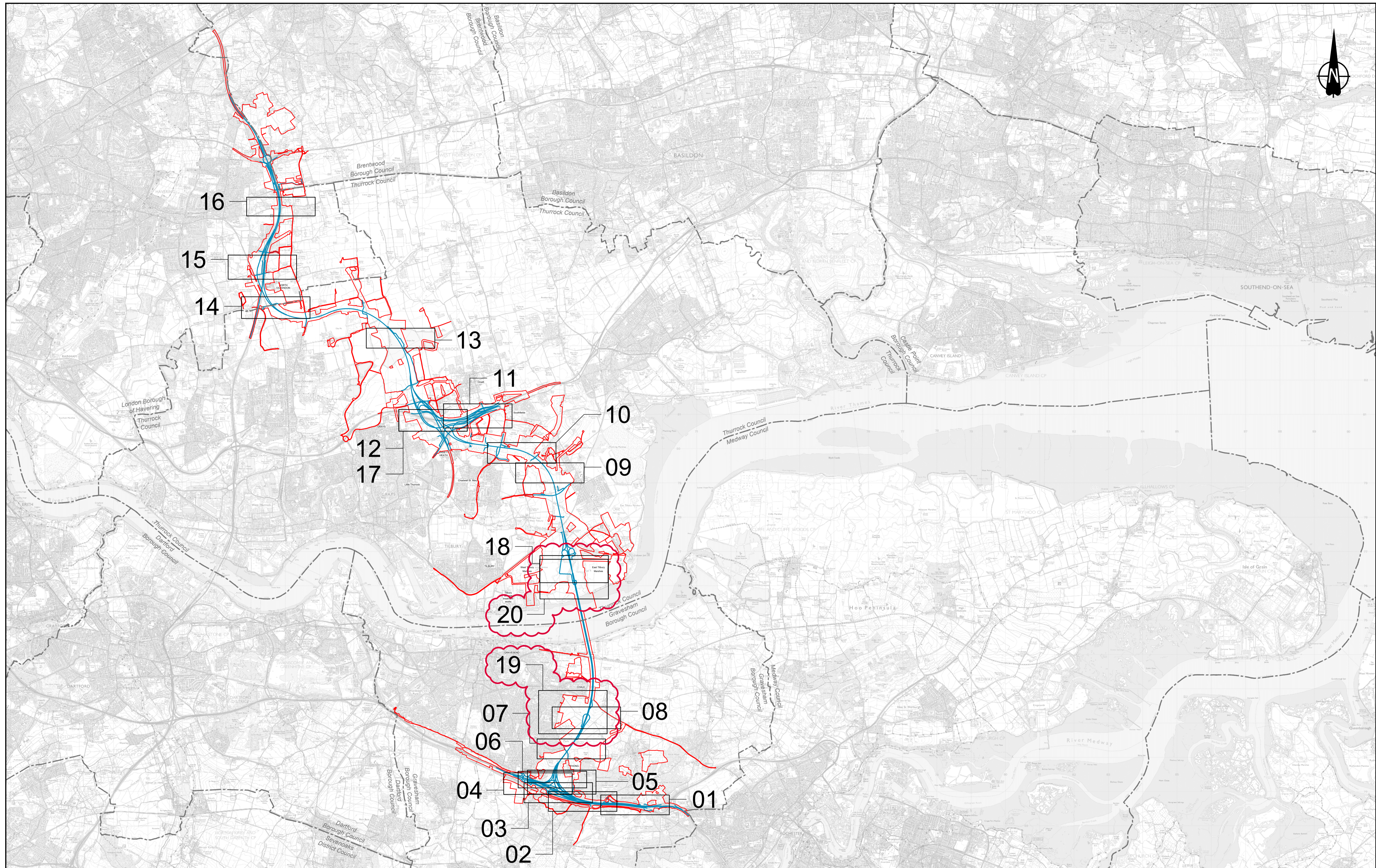
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| A122 LTC/M25 JUNCTION<br>REGULATION 5(2)(o) AND 6(2)<br>SHEET 10            | TR010032/APP/2.9 | P01      |
| A122 LTC/M25 JUNCTION<br>REGULATION 5(2)(o) AND 6(2)<br>SHEET 11            | TR010032/APP/2.9 | P01      |
| A122 LTC/M25 JUNCTION<br>REGULATION 5(2)(o) AND 6(2)<br>SHEET 12            | TR010032/APP/2.9 | P01      |

| Document Title  | Document Number  | Revision |
|---|------------------|----------|
| A122 LTC/M25 JUNCTION<br>REGULATION 5(2)(o) AND 6(2)<br>SHEET 13                  | TR010032/APP/2.9 | P01      |
| A122 LTC/M25 JUNCTION<br>REGULATION 5(2)(o) AND 6(2)<br>SHEET 14                  | TR010032/APP/2.9 | P01      |
| A122 LTC/M25 JUNCTION<br>REGULATION 5(2)(o) AND 6(2)<br>SHEET 15                  | TR010032/APP/2.9 | P01      |
| A122 LTC/M25 JUNCTION<br>REGULATION 5(2)(o) AND 6(2)<br>SHEET 16                  | TR010032/APP/2.9 | P01      |
| OVERHEAD DIVERSION ROUTE<br>REGULATION 5(2)(o) AND 6(2)<br>PYLON LAYOUT           | TR010032/APP/2.9 | P01      |
| OVERHEAD DIVERSION ROUTE<br>REGULATION 5(2)(o) AND 6(2)<br>SHEET 1                | TR010032/APP/2.9 | P01      |
| OVERHEAD DIVERSION ROUTE<br>REGULATION 5(2)(o) AND 6(2)<br>SHEET 2                | TR010032/APP/2.9 | P01      |
| OVERHEAD DIVERSION ROUTE<br>REGULATION 5(2)(o) AND 6(2)<br>SHEET 3                | TR010032/APP/2.9 | P01      |
| OVERHEAD DIVERSION ROUTE<br>REGULATION 5(2)(o) AND 6(2)<br>SHEET 4                | TR010032/APP/2.9 | P01      |
| OVERHEAD DIVERSION ROUTE<br>REGULATION 5(2)(o) AND 6(2)<br>SHEET 5                | TR010032/APP/2.9 | P01      |
| OVERHEAD DIVERSION ROUTE<br>REGULATION 5(2)(o) AND 6(2)<br>SHEET 6                | TR010032/APP/2.9 | P01      |
| PYLON GENERAL ARRANGEMENT<br>REGULATION 5(2)(o) AND 6(2)<br>SHEET 1               | TR010032/APP/2.9 | P01      |
| PYLON GENERAL ARRANGEMENT<br>REGULATION 5(2)(o) AND 6(2)<br>SHEET 2               | TR010032/APP/2.9 | P01      |
| PYLON GENERAL ARRANGEMENT<br>REGULATION 5(2)(o) AND 6(2)<br>SHEET 3 - L7c D E12   | TR010032/APP/2.9 | P01      |
| PYLON GENERAL ARRANGEMENT<br>REGULATION 5(2)(o) AND 6(2)<br>SHEET 4 - L7c D30 E12 | TR010032/APP/2.9 | P01      |

| Document Title   | Document Number  | Revision |
|--|------------------|----------|
| PYLON GENERAL ARRANGEMENT<br>REGULATION 5(2)(o) AND 6(2)<br>SHEET 5 - L7c D E3   | TR010032/APP/2.9 | P01      |
| PYLON GENERAL ARRANGEMENT<br>REGULATION 5(2)(o) AND 6(2)<br>SHEET 6 - L7c D30 E9 | TR010032/APP/2.9 | P01      |
| PYLON GENERAL ARRANGEMENT<br>REGULATION 5(2)(o) AND 6(2)<br>SHEET 7 - L7c DT E9  | TR010032/APP/2.9 | P01      |

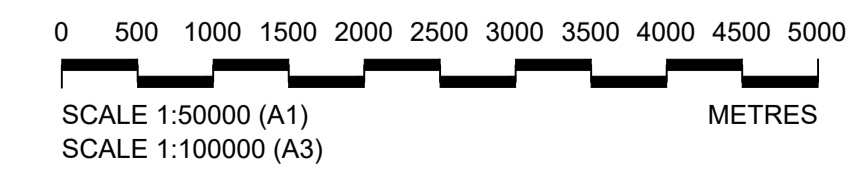




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| P01 | S8     | 19/10/2022 | DCO Application     | LY    | BB      | ASB    |
|-----|--------|------------|---------------------|-------|---------|--------|
| P02 | S8     | 24/08/2023 | Deadline 3          | LY    | RO      | ASB    |
| P03 | S8     | 19/09/2023 | Deadline 4          | LY    | RO      | ASB    |
| P04 | S8     | 31/10/2023 | Deadline 6          | GP    | RO      | ASB    |
| Rev | Status | Rev. Date  | Purpose of revision | Drawn | Check'd | Appr'd |

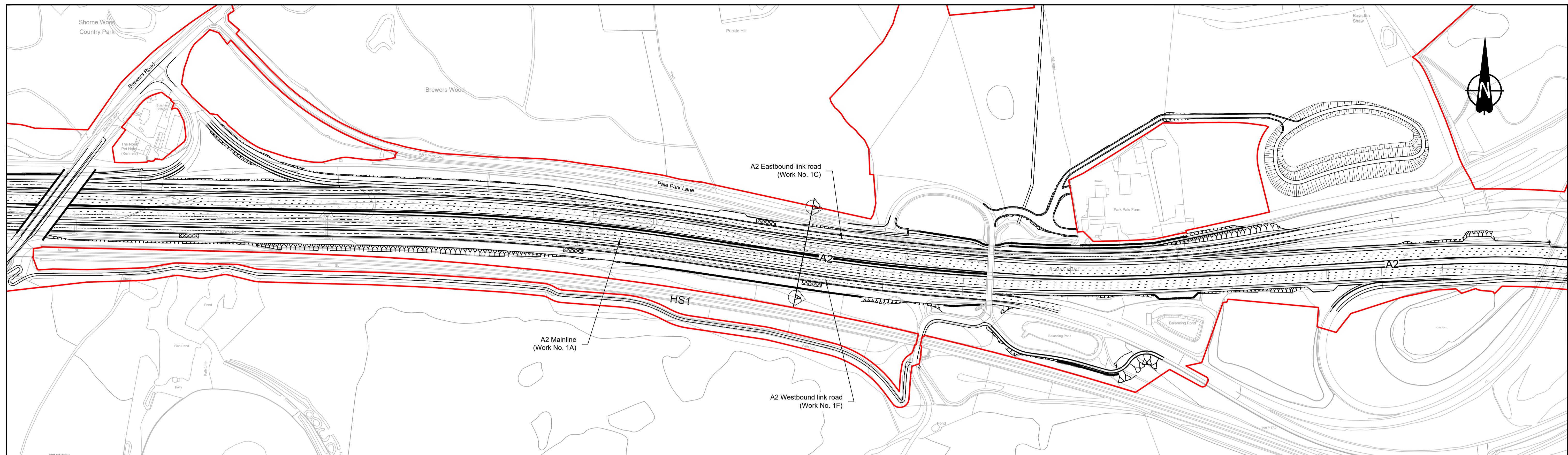
**LEGEND:**  
 Proposed Route  
 Order Limits  
 Local Authority boundary



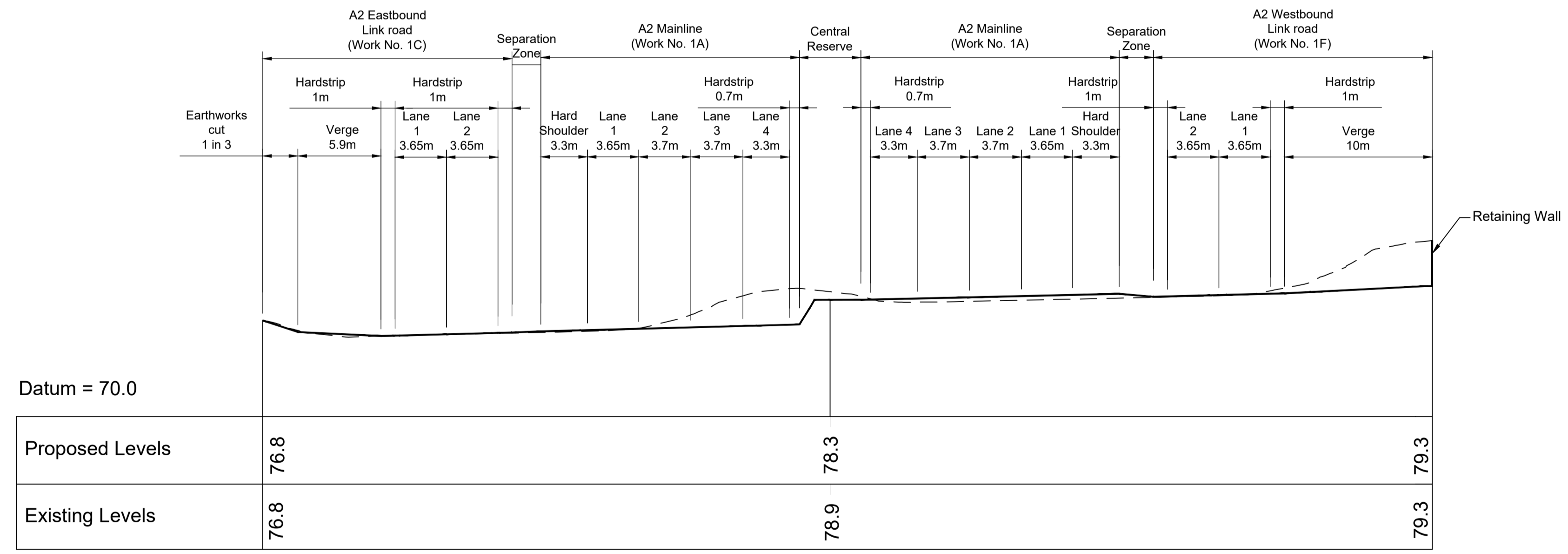
Client

Project **LOWER THAMES CROSSING**

|                             |  |               |         |          |     |
|-----------------------------|--|---------------|---------|----------|-----|
| Status                      | DCO Examination  | Original Size | A1      | Revision | P04 |
| Application Document Number | TR010032/APP/2.9   | Scale         | 1:50000 |          |     |
| Drawing title               | <b>CROSS SECTIONS<br/>REGULATION 5(2)(o) AND 6(2)<br/>KEY PLAN</b> |               |         |          |     |
| Drawing Number              | HE540039-CJV-BOP-SZA_RX000000 -DR-CH-10700                         |               |         |          |     |



PLAN

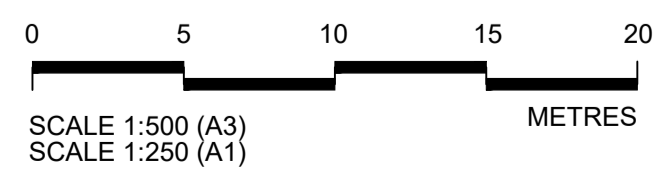
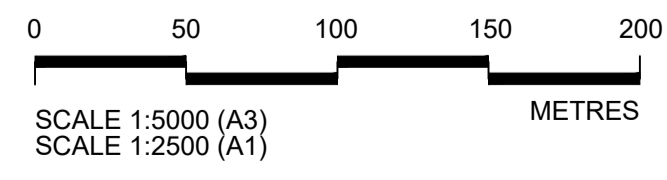


CROSS-SECTION A-A  
A2 MAINLINE AND A2 LINK ROADS - 1

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

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  - All dimensions are in metres unless stated otherwise.
  - All levels are in metres relative to the Ordnance Datum.

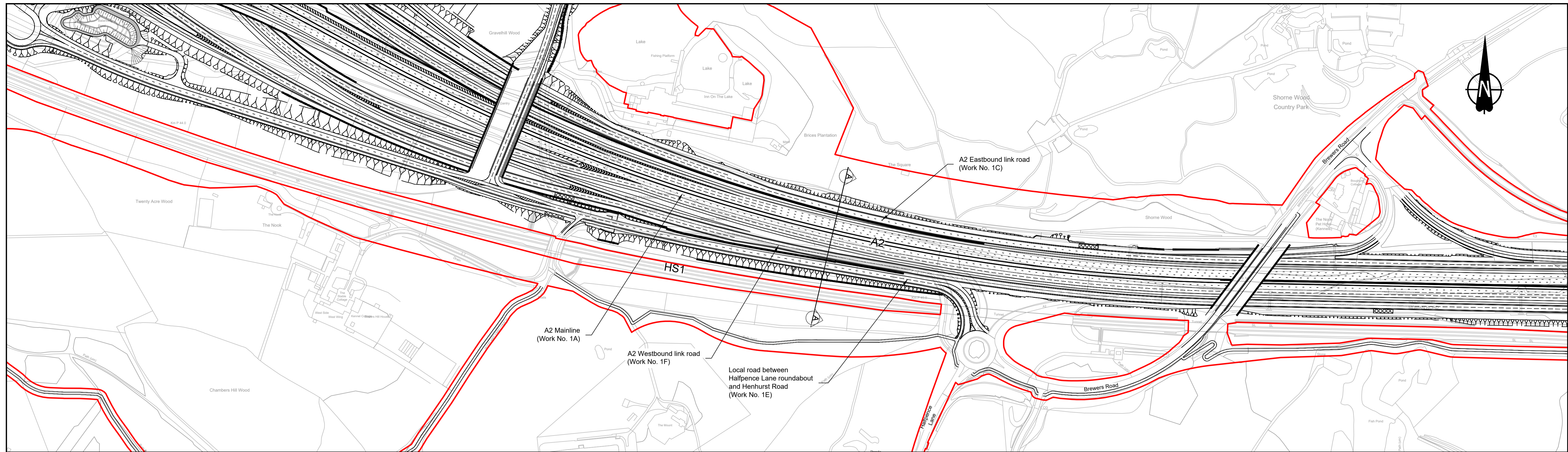
- LEGEND:
- Existing ground level
  - Proposed road level
  - Order Limits
  - ⊙ Cross Section Marker



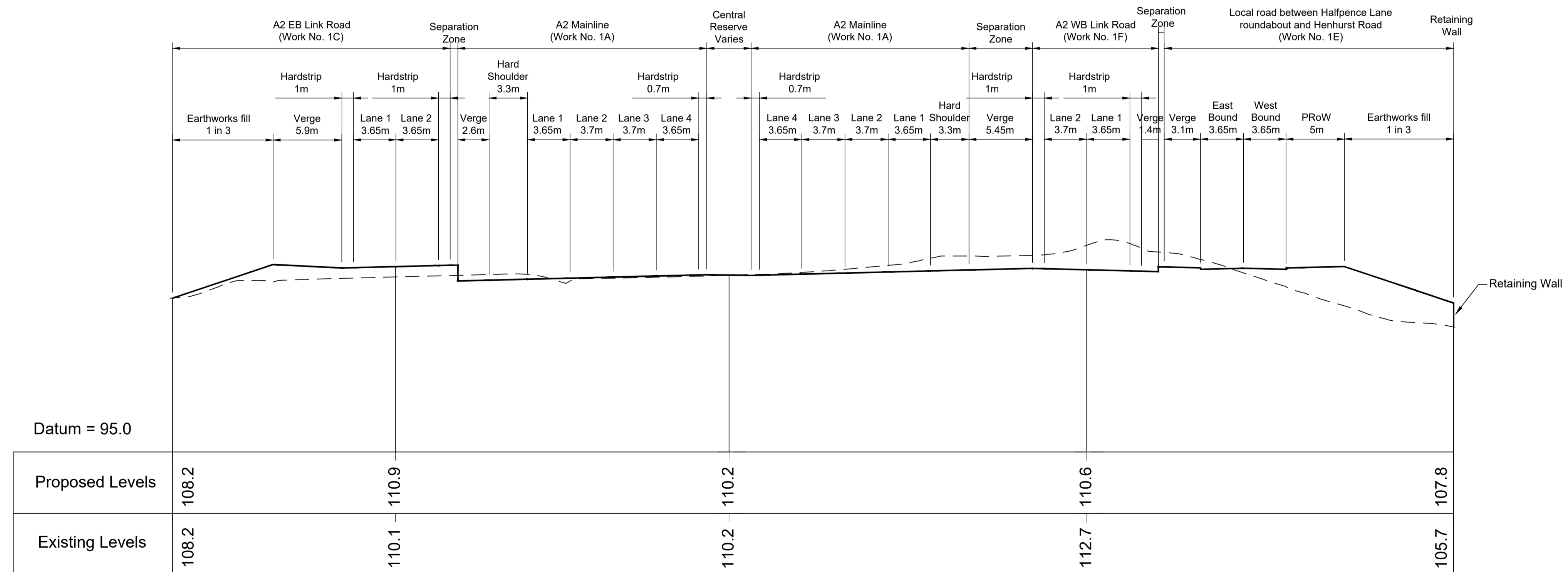
Client:

Project: LOWER THAMES CROSSING

|                             |  |               |          |          |     |
|-----------------------------|--|---------------|----------|----------|-----|
| Status                      | DCO Application  | Original Size | A1       | Revision | P01 |
| Application Document Number | TR010032/APP/2.9   | Scale         | AS SHOWN |          |     |
| Drawing title               | CROSS SECTIONS<br>REGULATION 5(2)(o) AND 6(2)<br>SHEET 1 |               |          |          |     |
| Drawing Number              | HE540039-CJV-BOP-SZA_RX000000 -DR-CH-10701               |               |          |          |     |



PLAN

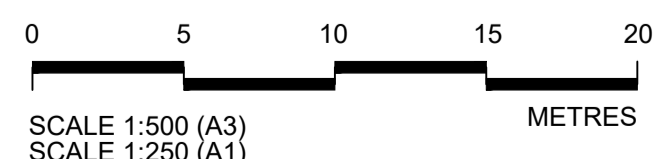
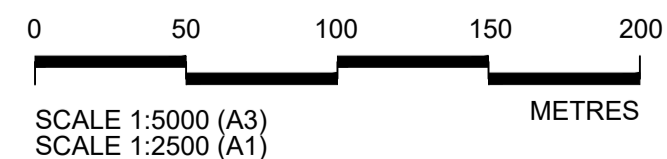


CROSS SECTION A-A  
A2 MAINLINE AND A2 LINK ROADS - 2

|  |        |            |                     |       |         |         |
|--|--------|------------|---------------------|-------|---------|---------|
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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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  - All dimensions are in metres unless stated otherwise.
  - All levels are in metres relative to the Ordnance Datum.

- LEGEND:
- Existing ground level
  - Proposed road level
  - Order Limits
  - ⊙ Cross Section Marker

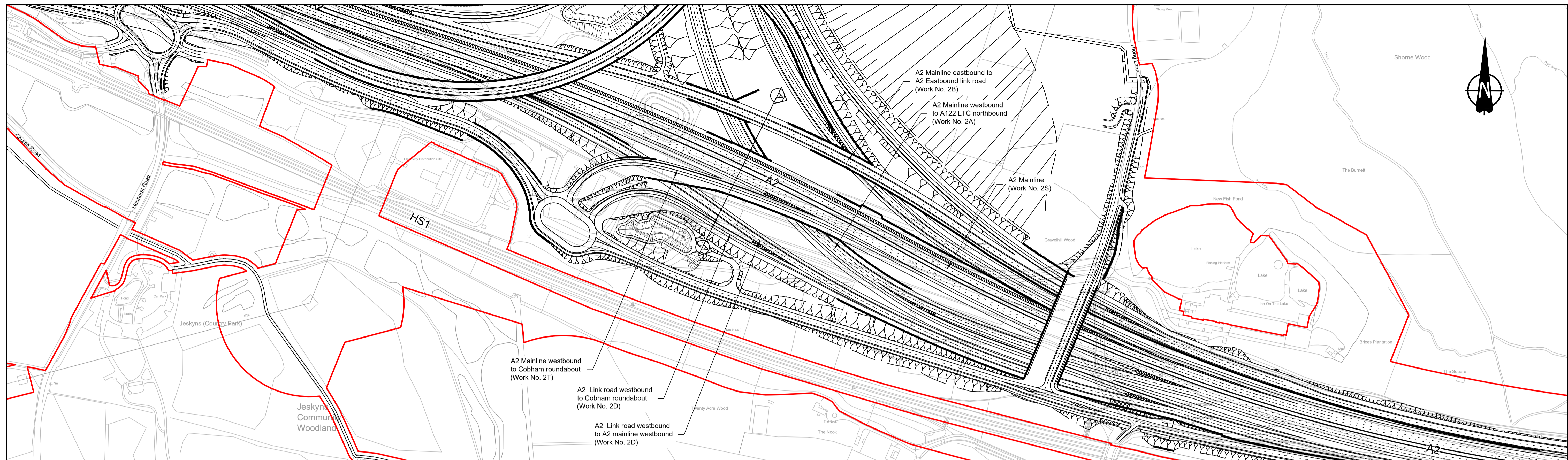


Client

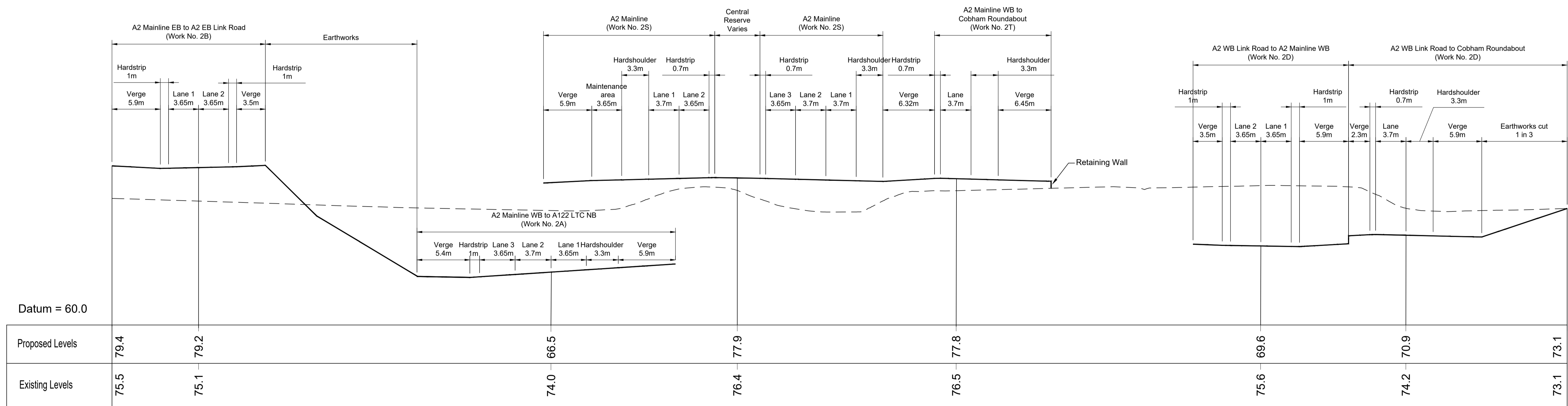
Project

**LOWER THAMES CROSSING**

|                             |   |               |          |
|-----------------------------|---|---------------|----------|
| Status                      | DCO Application   | Original Size | P01      |
| Application Document Number | TR010032/APP/2.9  | Scale         | AS SHOWN |
| Drawing title               | <b>CROSS SECTIONS<br/>REGULATION 5(2)(o) AND 6(2)<br/>SHEET 2</b> |               |          |
| Drawing Number              | HE540039-CJV-BOP-SZA_RX000000 -DR-CH-10702                        |               |          |



PLAN



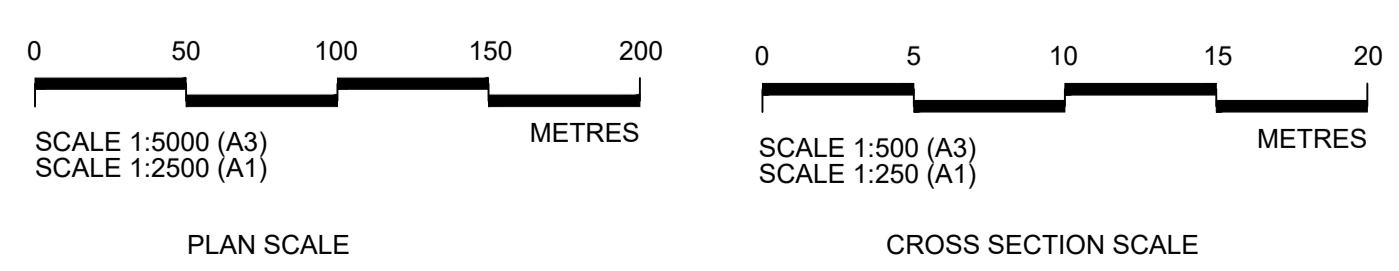
CROSS SECTION A-A  
A122 LTC/A2 JUNCTION - 1

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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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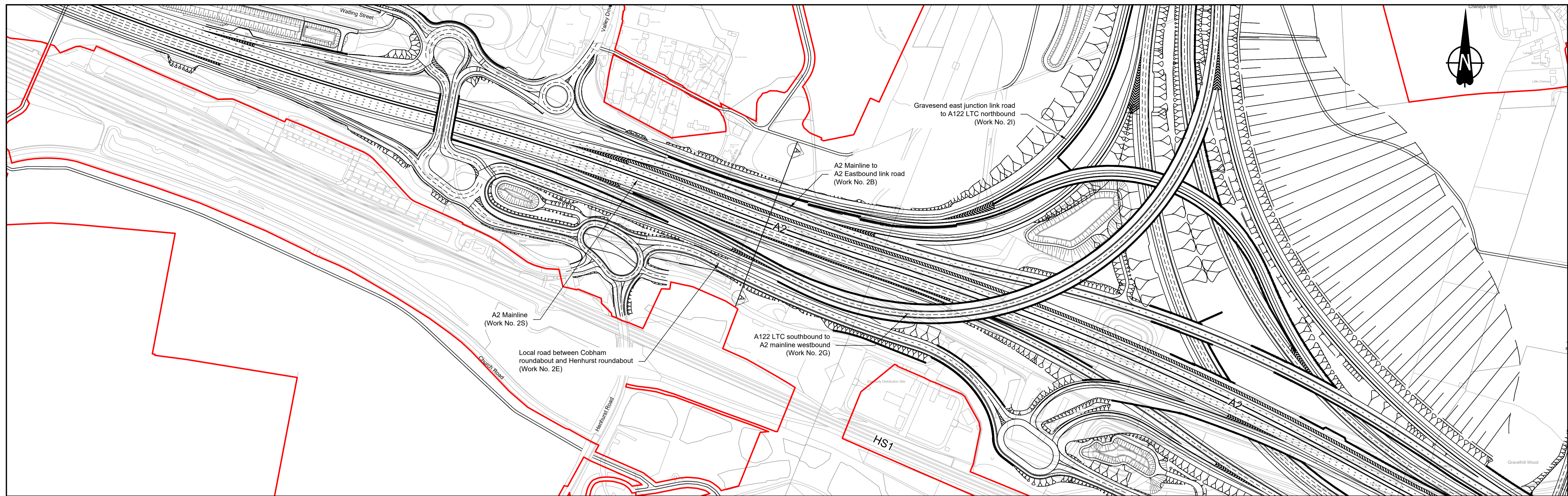
- LEGEND:
- Existing ground level
  - Proposed road level
  - Order Limits
  - ⊙ Cross Section Marker



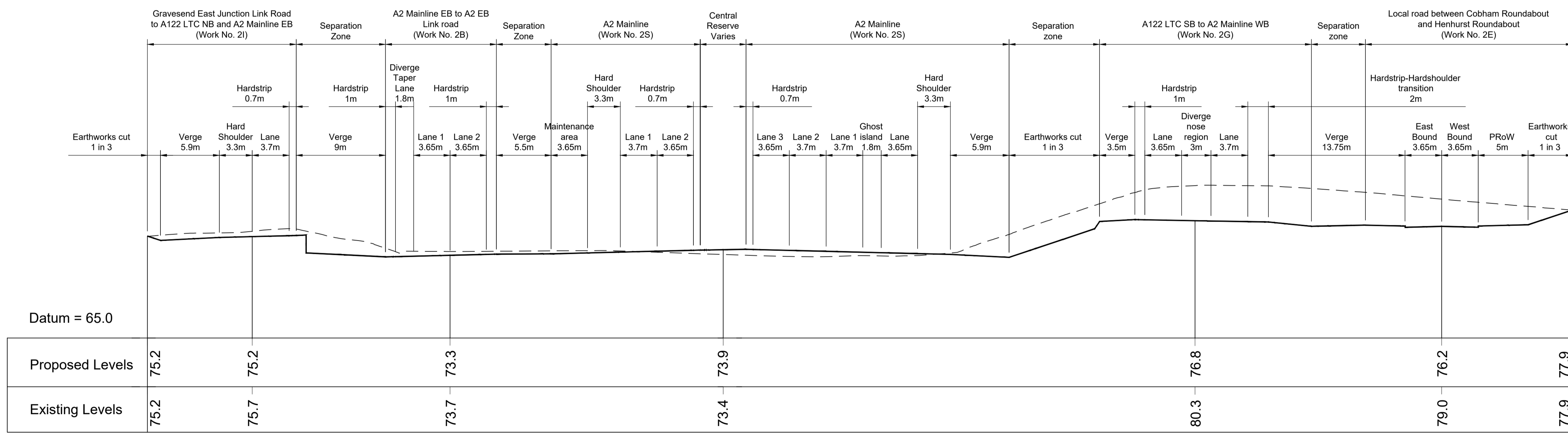
Client: **national highways**

Project: **LOWER THAMES CROSSING**

|                             |  |               |          |          |     |
|-----------------------------|--|---------------|----------|----------|-----|
| Status                      | DCO Application  | Original Size | A1       | Revision | P01 |
| Application Document Number | TR010032/APP/2.9   | Scale         | AS SHOWN |          |     |
| Drawing title               | CROSS SECTIONS<br>REGULATION 5(2)(o) AND 6(2)<br>SHEET 3 |               |          |          |     |
| Drawing Number              | HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10703               |               |          |          |     |



PLAN



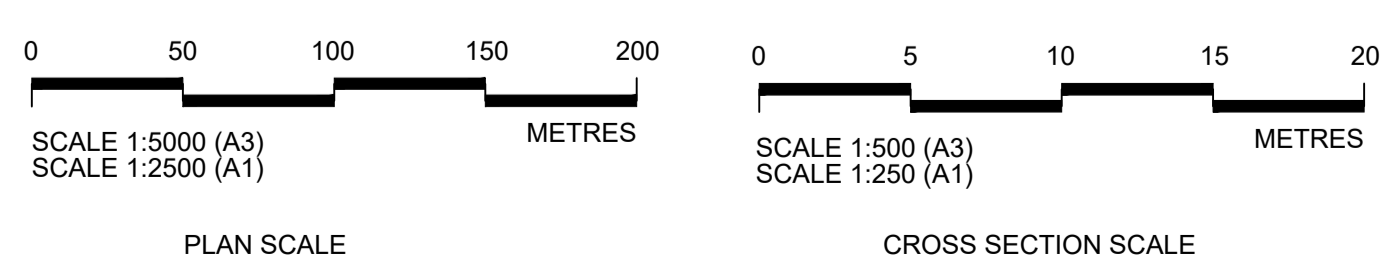
CROSS SECTION A-A  
A122 LTC/A2 JUNCTION - 2

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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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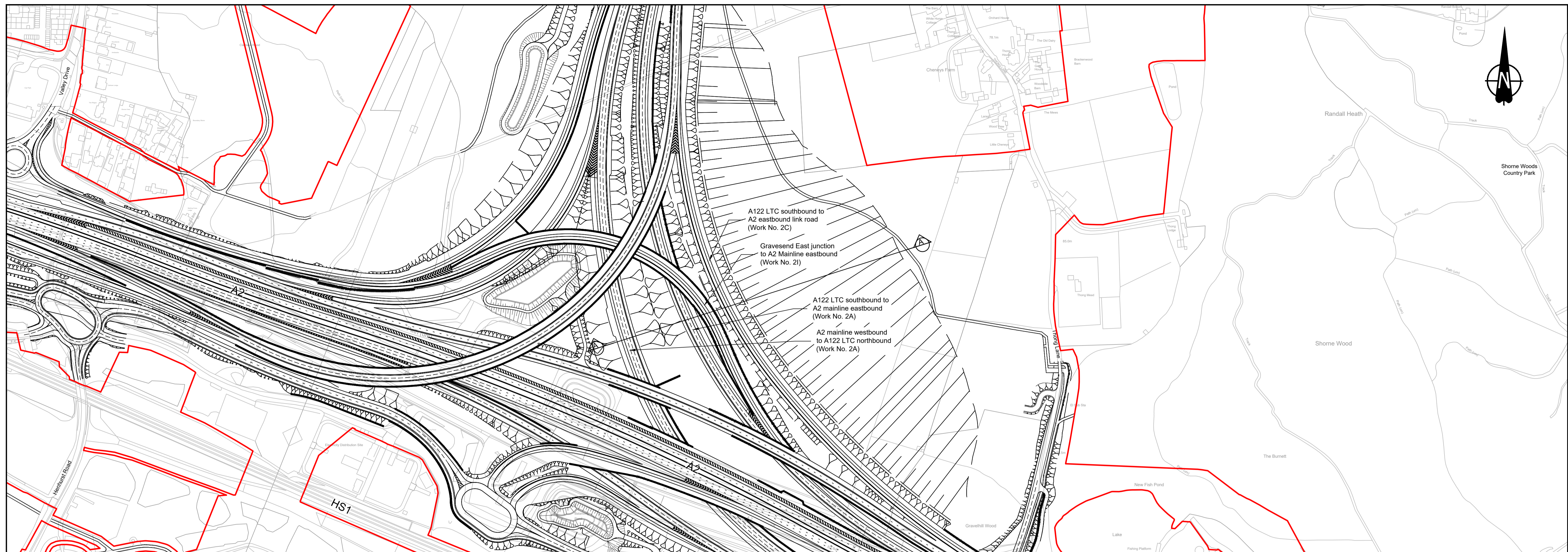
- LEGEND:
- Existing ground level
  - Proposed road level
  - Order Limits
  - Cross Section Marker



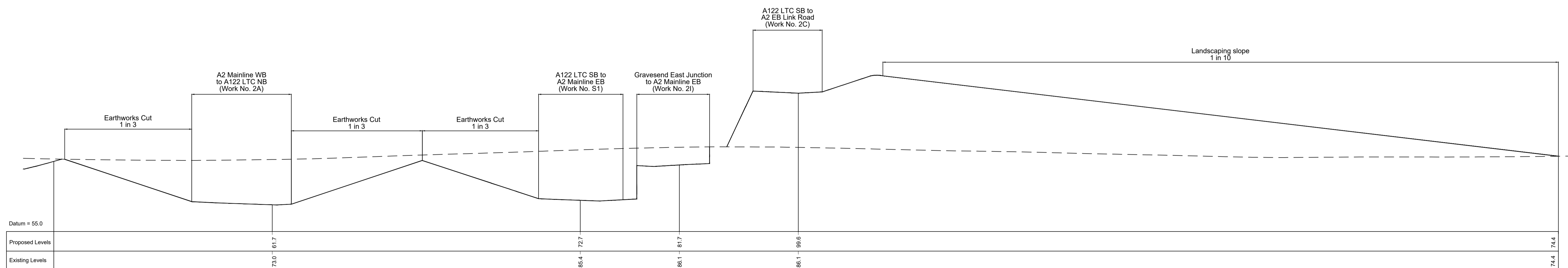
Client: national highways

Project: LOWER THAMES CROSSING

|                             |  |               |          |          |     |
|-----------------------------|--|---------------|----------|----------|-----|
| Status                      | DCO Application  | Original Size | A1       | Revision | P01 |
| Application Document Number | TR010032/APP/2.9   | Scale         | AS SHOWN |          |     |
| Drawing title               | CROSS SECTIONS<br>REGULATION 5(2)(o) AND 6(2)<br>SHEET 4 |               |          |          |     |
| Drawing Number              | HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10704               |               |          |          |     |



PLAN



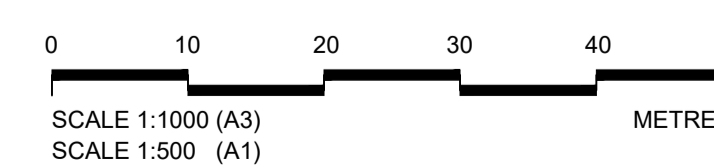
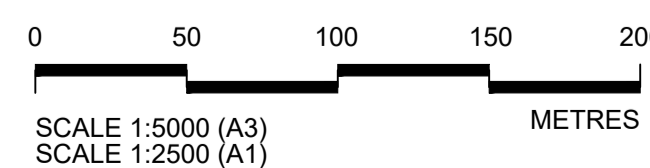
CROSS SECTION A-A  
A122 LTC/A2 JUNCTION - 3

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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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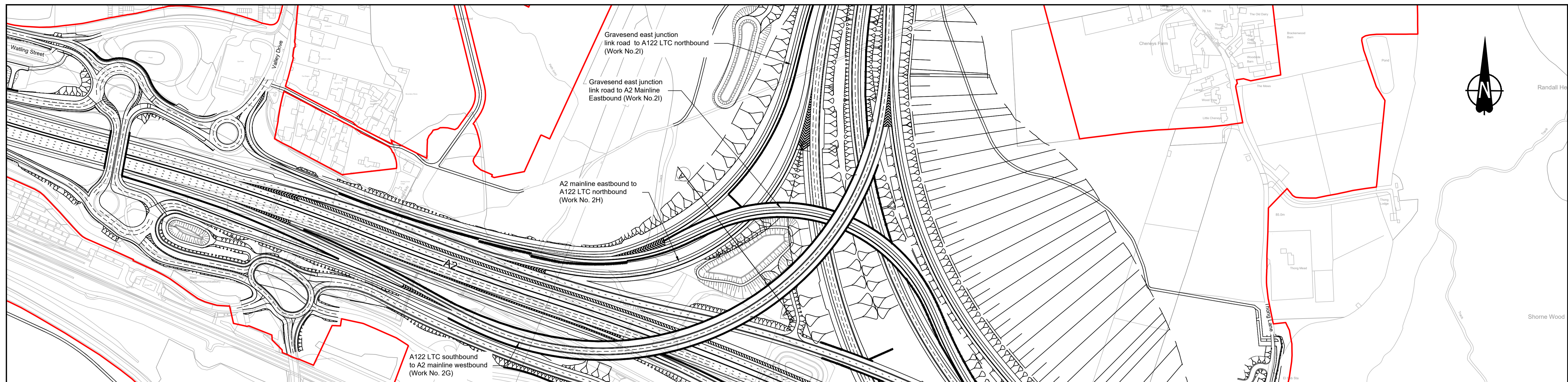
- LEGEND:
- Existing ground level
  - Proposed road level
  - Order Limits
  - ⊙ Cross Section Marker



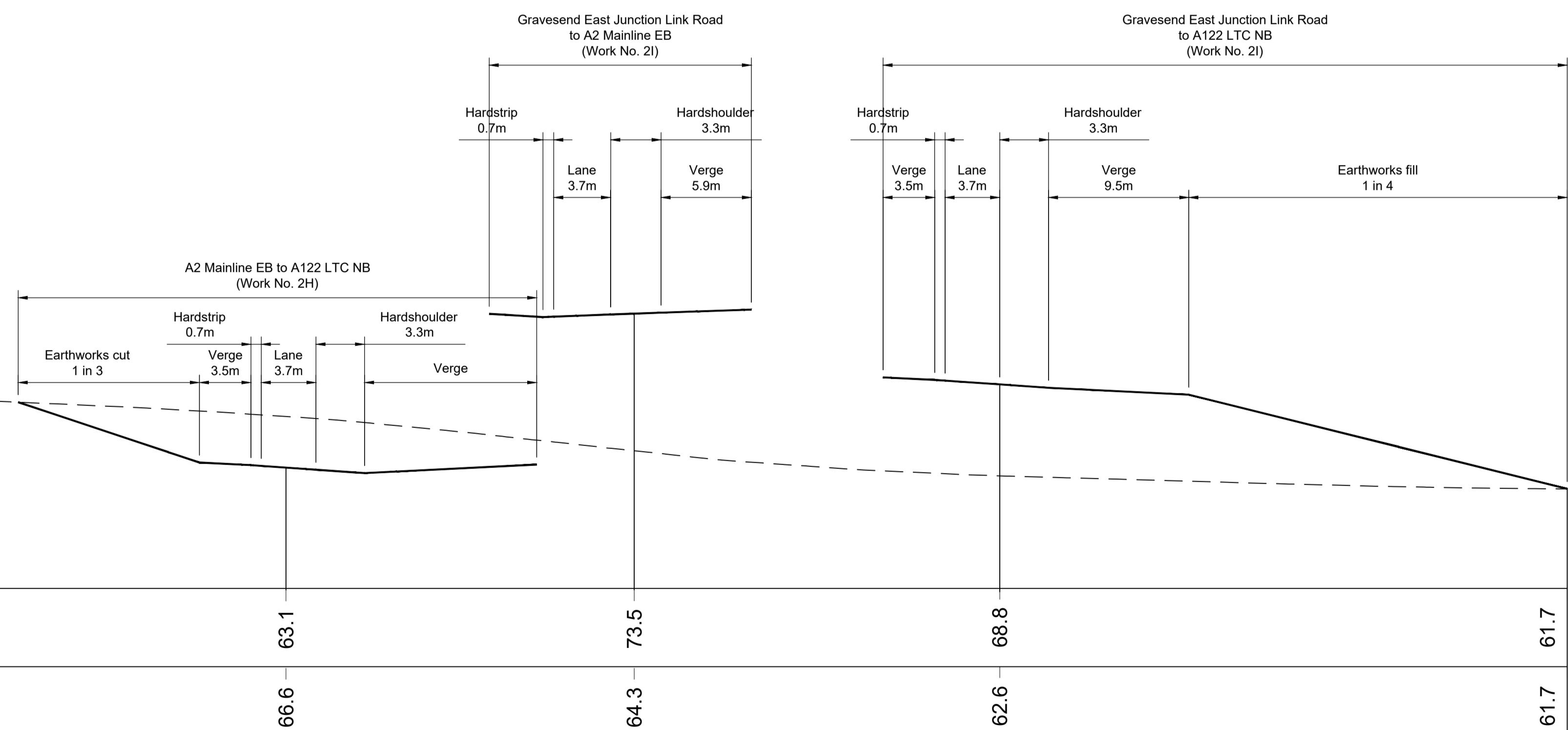
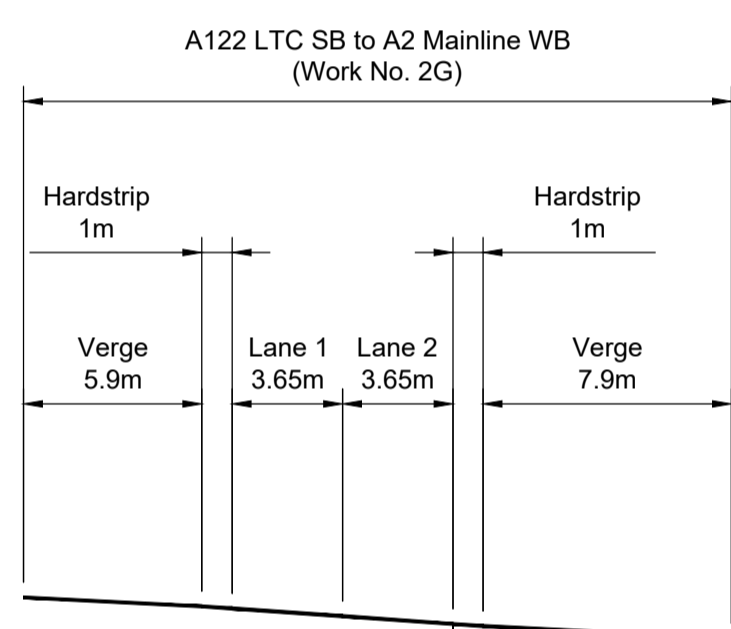
Client: national highways

Project: LOWER THAMES CROSSING

|                             |  |               |          |          |     |
|-----------------------------|--|---------------|----------|----------|-----|
| Status                      | DCO Application  | Original Size | A1       | Revision | P01 |
| Application Document Number | TR010032/APP/2.9   | Scale         | AS SHOWN |          |     |
| Drawing title               | CROSS SECTIONS<br>REGULATION 5(2)(o) AND 6(2)<br>SHEET 5 |               |          |          |     |
| Drawing Number              | HE540039-CJV-BOP-SZA_RX000000 -DR-CH-10705               |               |          |          |     |



PLAN



Datum = 55.0

|                 |      |      |      |      |      |
|-----------------|------|------|------|------|------|
| Proposed Levels | 87.7 | 63.1 | 73.5 | 68.8 | 61.7 |
| Existing Levels | 71.4 | 66.6 | 64.3 | 62.6 | 61.7 |

CROSS SECTION A-A  
A122 LTC/A2 JUNCTION - 4

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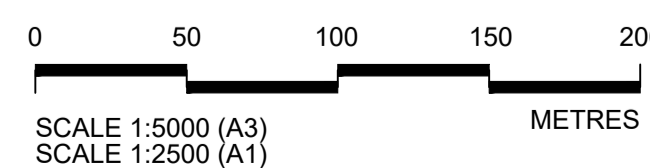
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|-----|--------|------------|---------------------|-------|---------|---------|
| P01 | SB     | 19/10/2022 | DCO Application     | LY    | BB      | ASB     |
| Rev | Status | Rev. Date  | Purpose of revision | Drawn | Check'd | Apprv'd |

NOTES:

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LEGEND:

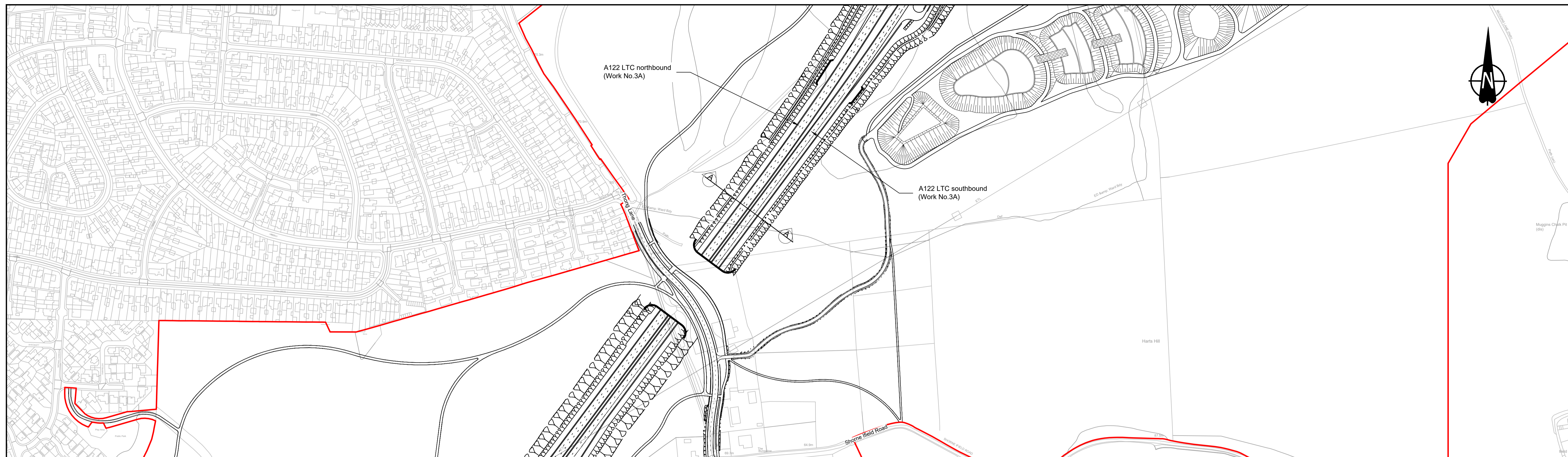
- Existing ground level
- Proposed road level
- Order Limits
- Cross Section Marker



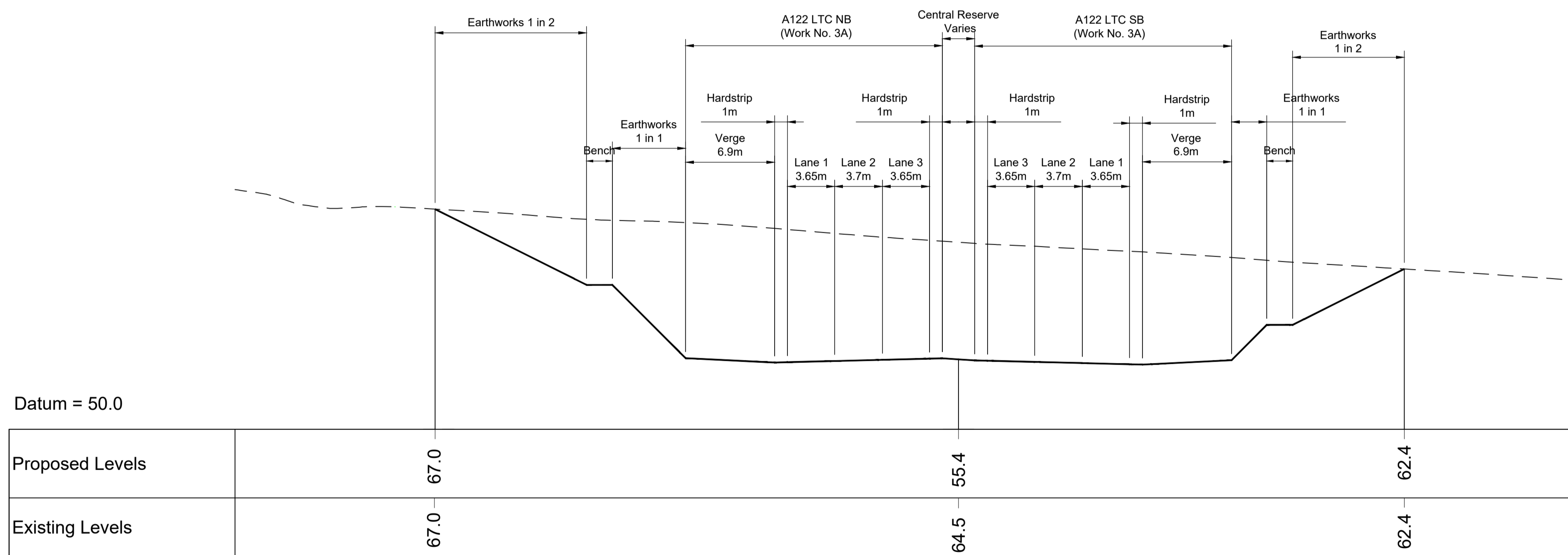
Client: national highways

Project: LOWER THAMES CROSSING

|                             |  |               |          |          |     |
|-----------------------------|--|---------------|----------|----------|-----|
| Status                      | DCO Application  | Original Size | A1       | Revision | P01 |
| Application Document Number | TR010032/APP/2.9   | Scale         | AS SHOWN |          |     |
| Drawing title               | CROSS SECTIONS<br>REGULATION 5(2)(o) AND 6(2)<br>SHEET 6 |               |          |          |     |
| Drawing Number              | HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10706               |               |          |          |     |



PLAN



CROSS SECTION A-A  
A122 LTC - 1

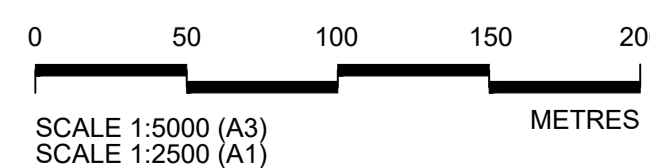
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| P01  | SB     | 19/10/2022 | DCO Application     | LY      | BB ASB  |
| Rev  | Status | Rev. Date  | Purpose of revision | Drawn   | Check'd |
|  |        |            |                     | Apprv'd |         |

NOTES:

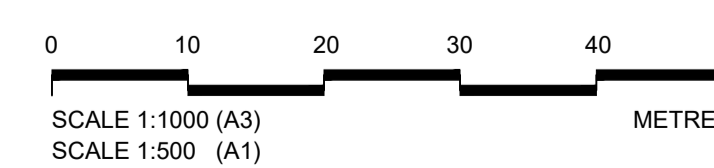
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- All levels are in metres relative to the Ordnance Datum.

LEGEND:

- Existing ground level
- Proposed road level
- Order Limits
- ⊙ Cross Section Marker



PLAN SCALE



CROSS SECTION SCALE

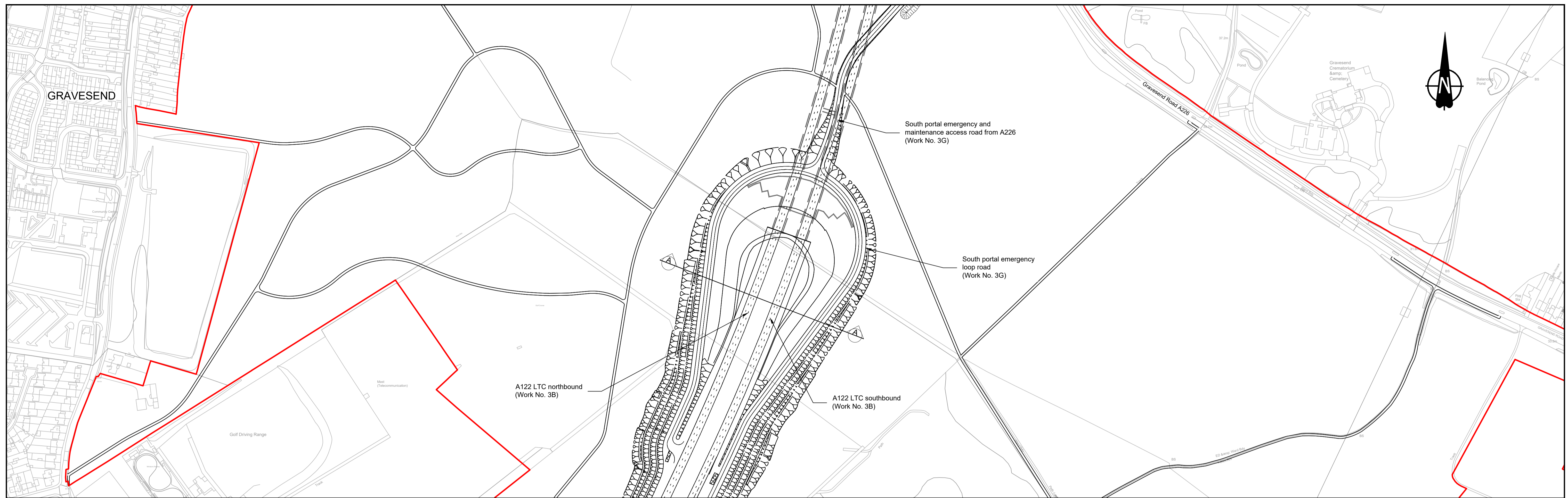
Client

Project

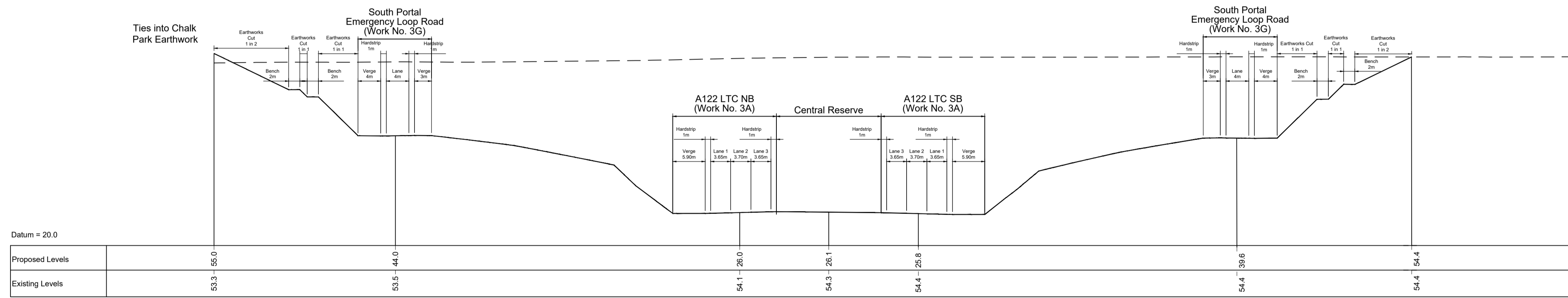
**LOWER THAMES CROSSING**

|                             |   |               |          |          |     |
|-----------------------------|---|---------------|----------|----------|-----|
| Status                      | DCO Application   | Original Size | A1       | Revision | P01 |
| Application Document Number | TR010032/APP/2.9  | Scale         | AS SHOWN |          |     |
| Drawing title               | <b>CROSS SECTIONS<br/>REGULATION 5(2)(o) AND 6(2)<br/>SHEET 7</b> |               |          |          |     |
| Drawing Number              | HE540039-CJV-BOP-SZA_RX000000 -DR-CH-10707                        |               |          |          |     |





PLAN

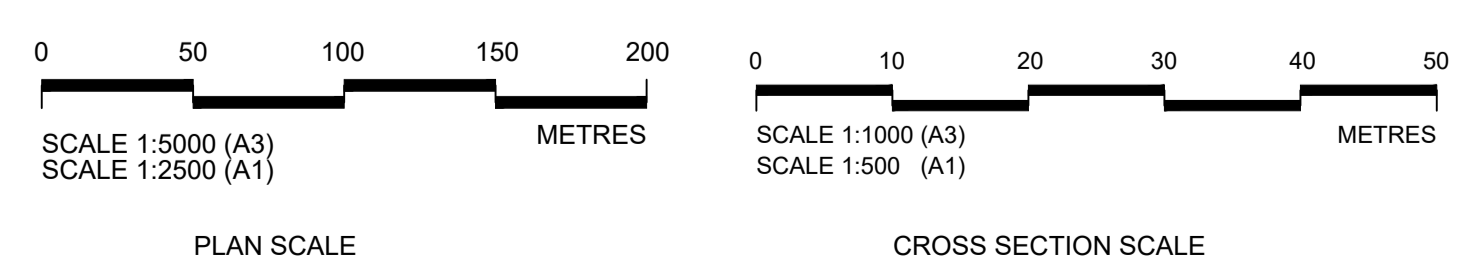


CROSS SECTION A-A  
A122 LTC - 2

|  |        |            |                     |         |         |
|--|--------|------------|---------------------|---------|---------|
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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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  - All dimensions are in metres unless stated otherwise.
  - All levels are in metres relative to the Ordnance Datum.

- LEGEND:**
- Existing ground level
  - Proposed road level
  - Order Limits
  - ⊙ Cross Section Marker

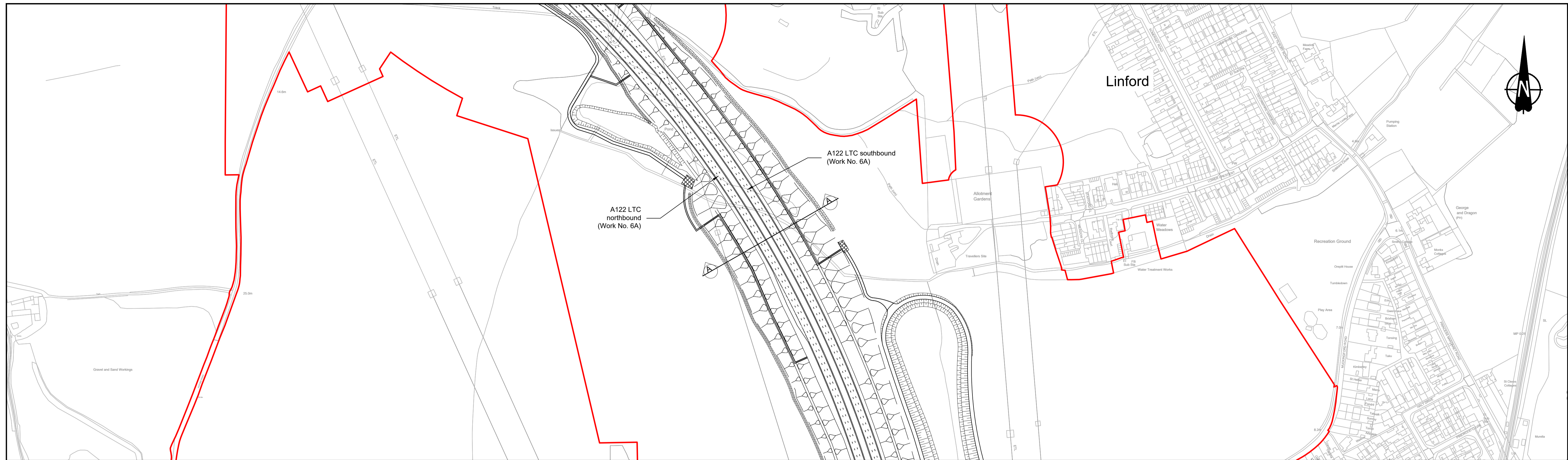


Client

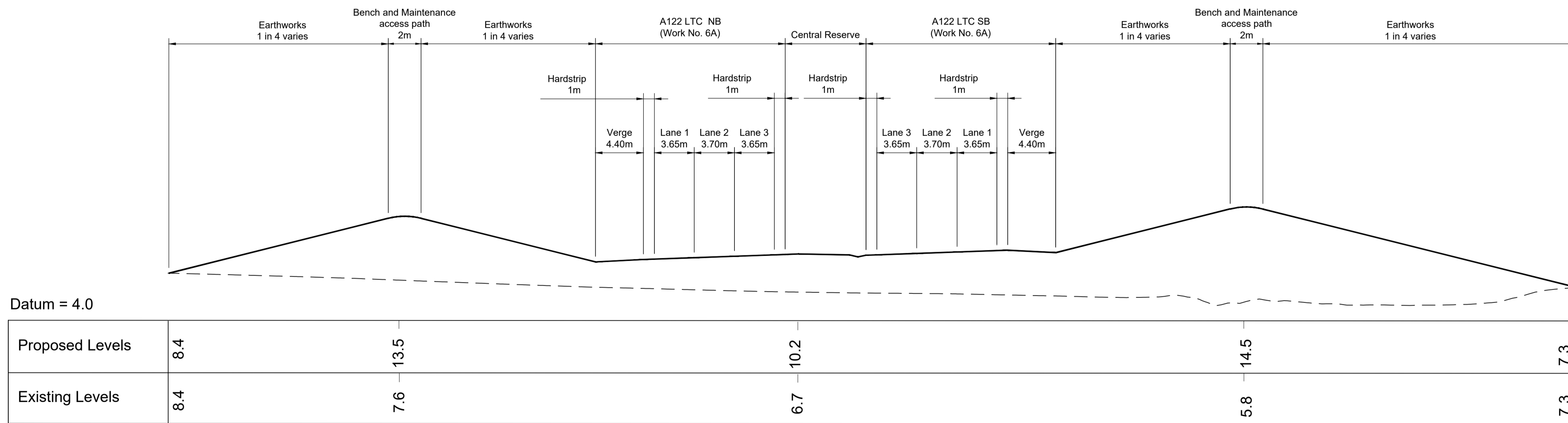
Project

**LOWER THAMES CROSSING**

|                             |   |               |          |
|-----------------------------|---|---------------|----------|
| Status                      | DCO Application   | Original Size | Revision |
| Application Document Number | TR010032/APP/2.9  | A1            | P01      |
| Scale                       | AS SHOWN  |               |          |
| Drawing title               | <b>CROSS SECTIONS<br/>REGULATION 5(2)(o) AND 6(2)<br/>SHEET 8</b> |               |          |
| Drawing Number              | HE540039-CJV-BOP-SZA_RX000000 -DR-CH-10708                        |               |          |



PLAN



CROSS SECTION A-A  
A122 LTC - 3

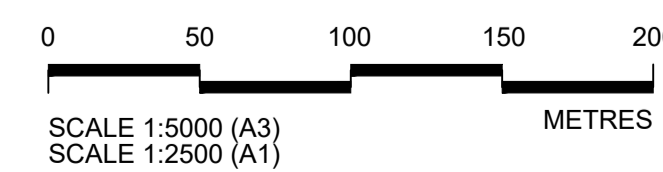
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|--|--------|------------|---------------------|---------|---------|
| Contains Ordnance Survey data. © Crown copyright and database rights 2022. Ordnance Survey 100035649 |        |            |                     |         |         |
| P01  | SB     | 19/10/2022 | DCO Application     | LY      | BB ASB  |
| Rev  | Status | Rev. Date  | Purpose of revision | Drawn   | Check'd |
|  |        |            |                     | Apprv'd |         |

NOTES:

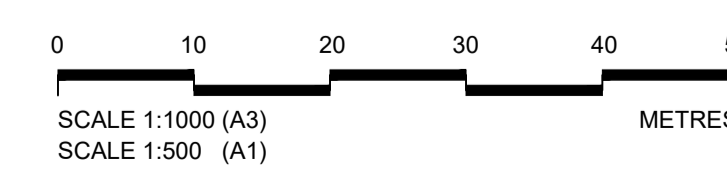
- The proposed works shown are illustrative only and will be subject to change as part of detailed design development. Any changes will be limited to being within the constraints included in the Development Consent Order (application document reference TR010032/APP/3.1).
- These plans should be read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

LEGEND:

- Existing ground level
- Proposed road level
- Order Limits
- ⊙ Cross Section Marker



PLAN SCALE



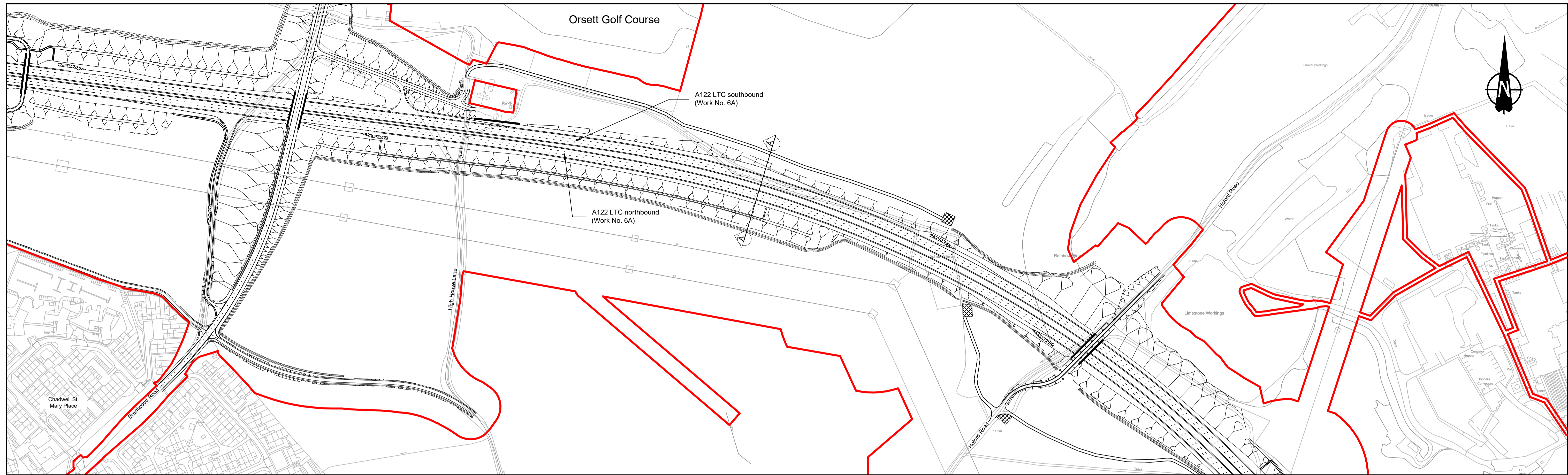
CROSS SECTION SCALE

Client

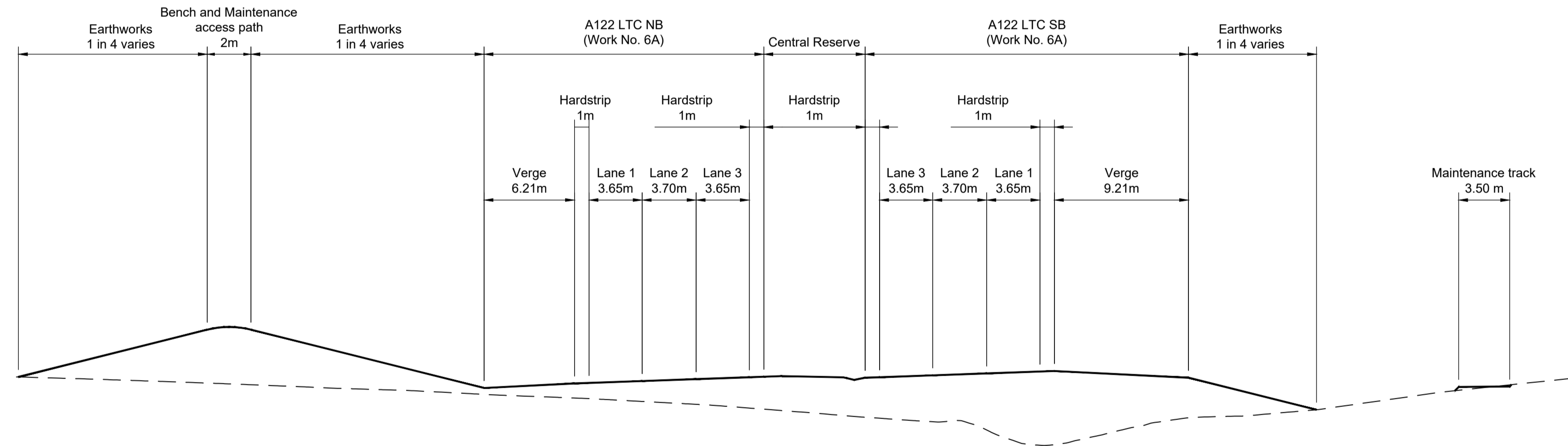
Project

**LOWER THAMES CROSSING**

|                             |   |               |          |          |     |
|-----------------------------|---|---------------|----------|----------|-----|
| Status                      | DCO Application   | Original Size | A1       | Revision | P01 |
| Application Document Number | TR010032/APP/2.9  | Scale         | AS SHOWN |          |     |
| Drawing title               | <b>CROSS SECTIONS<br/>REGULATION 5(2)(o) AND 6(2)<br/>SHEET 9</b> |               |          |          |     |
| Drawing Number              | HE540039-CJV-BOP-SZA_RX000000 -DR-CH-10709                        |               |          |          |     |



PLAN



Datum = 10.0

|                 |      |      |      |      |
|-----------------|------|------|------|------|
| Proposed Levels | 17.2 | 17.3 | 15.0 | 16.5 |
| Existing Levels | 17.2 | 14.9 | 15.0 | 16.5 |

CROSS SECTION A-A  
A122 LTC - 4

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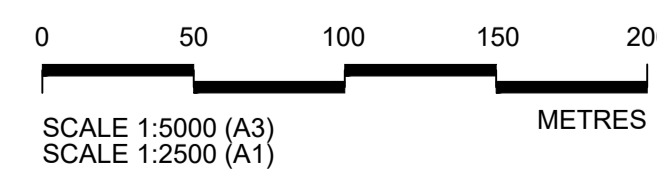
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|-----|--------|------------|---------------------|-------|---------|---------|
| P01 | SB     | 19/10/2022 | DCO Application     | LY    | BB      | ASB     |
| Rev | Status | Rev. Date  | Purpose of revision | Drawn | Check'd | Apprv'd |

NOTES:

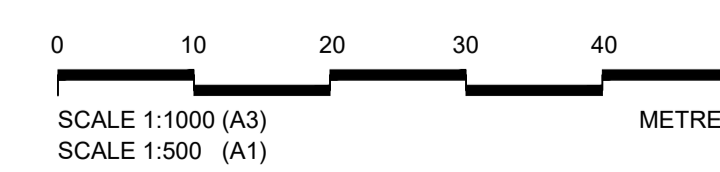
- The proposed works shown are illustrative only and will be subject to change as part of detailed design development. Any changes will be limited to being within the constraints included in the Development Consent Order (application document reference TR010032/APP/3.1).
- These plans should be read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

LEGEND:

- Existing ground level
- Proposed road level
- Order Limits
- ⊙ Cross Section Marker



PLAN SCALE



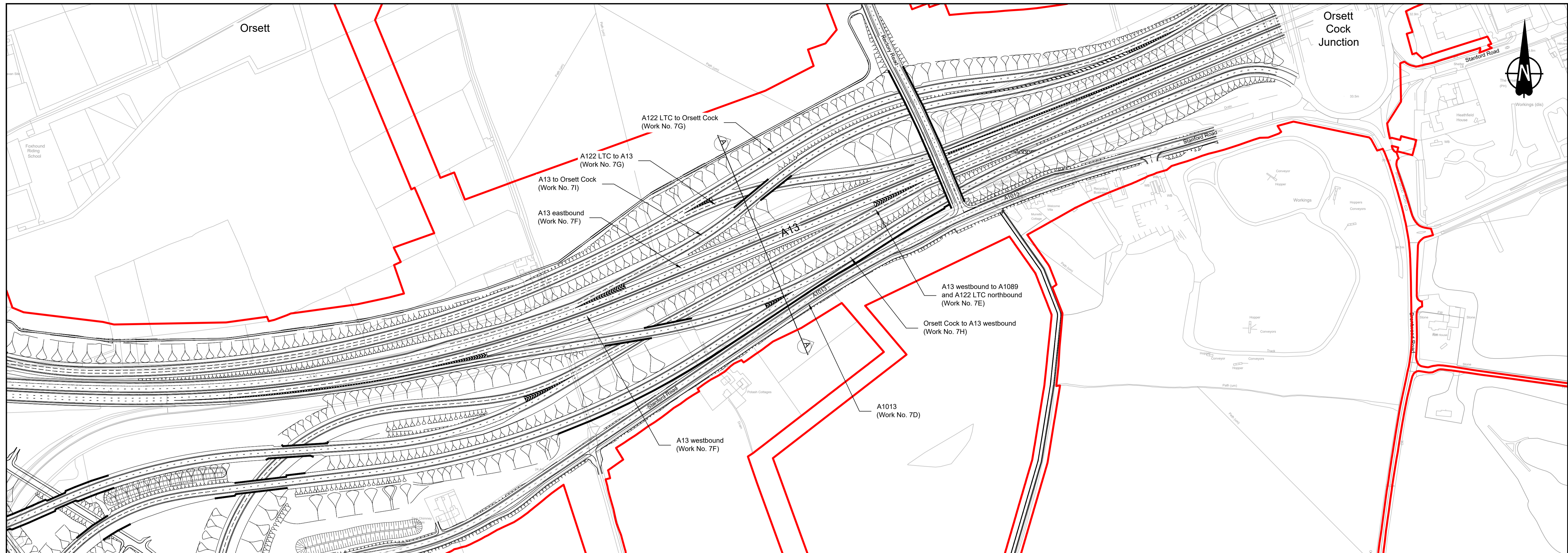
CROSS SECTION SCALE

Client

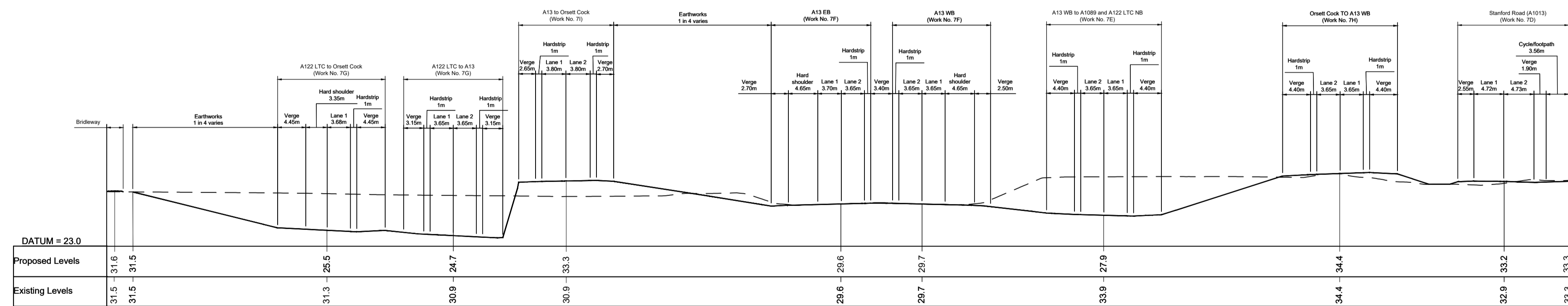


Project LOWER THAMES CROSSING

|                             |   |               |          |          |     |
|-----------------------------|---|---------------|----------|----------|-----|
| Status                      | DCO Application   | Original Size | A1       | Revision | P01 |
| Application Document Number | TR010032/APP/2.9  | Scale         | AS SHOWN |          |     |
| Drawing title               | CROSS SECTIONS<br>REGULATION 5(2)(o) AND 6(2)<br>SHEET 10 |               |          |          |     |
| Drawing Number              | HE540039-CJV-BOP-SZA_RX000000 -DR-CH-10710                |               |          |          |     |



PLAN

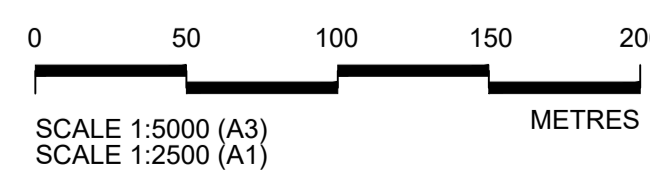


CROSS SECTION A-A  
A13 AND A13/A122 LTC JUNCTION - 1

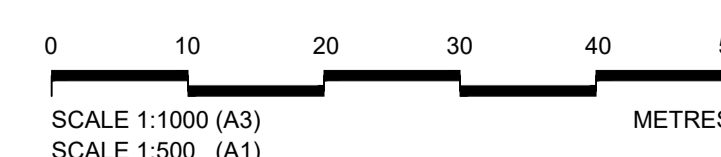
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|--|--------|------------|---------------------|--------|---------|
| Contains Ordnance Survey data. © Crown copyright and database rights 2022. Ordnance Survey 100035649 |        |            |                     |        |         |
| P01  | S8     | 19/10/2022 | DCO Application     | LY     | BB ASB  |
| Rev  | Status | Rev. Date  | Purpose of revision | Drawn  | Check'd |
|  |        |            |                     | Appr'd |         |

- NOTES:
- 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).
  - These plans should be read in conjunction with Schedule 1 (Authorised Development) of the Development Consent Order (application document reference TR010032/APP/3.1).
  - Do not scale from this drawing.
  - All dimensions are in metres unless stated otherwise.
  - All levels are in metres relative to the Ordnance Datum.

- LEGEND:
- Existing ground level
  - Proposed road level
  - Order Limits
  - Cross Section Marker



PLAN SCALE

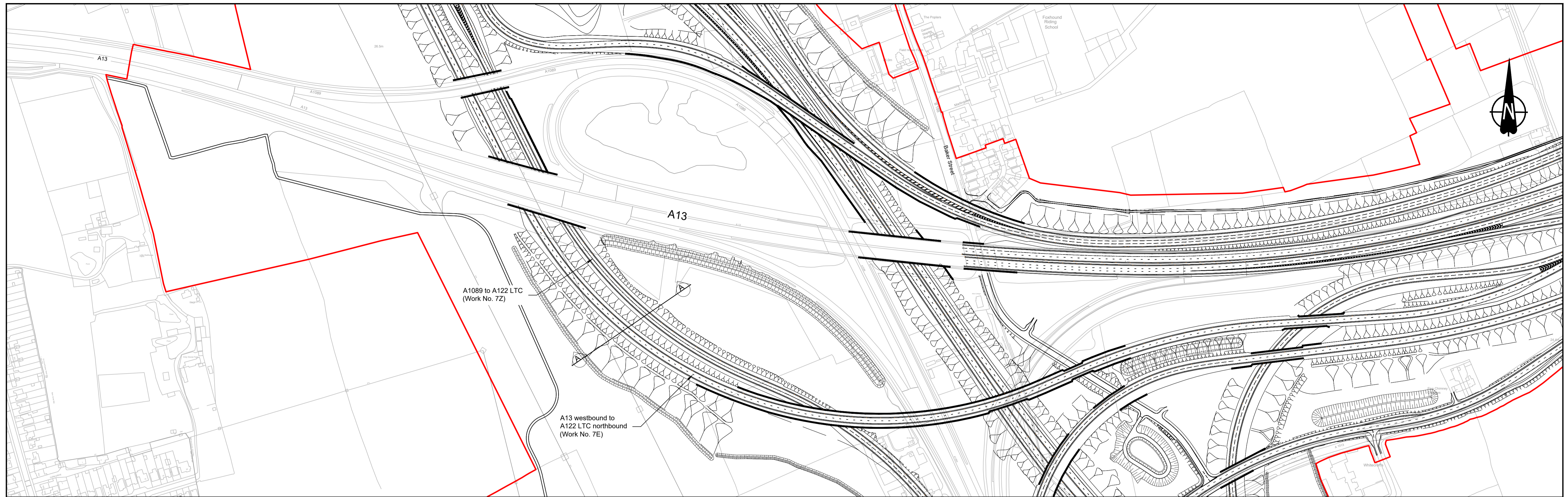


CROSS SECTION SCALE

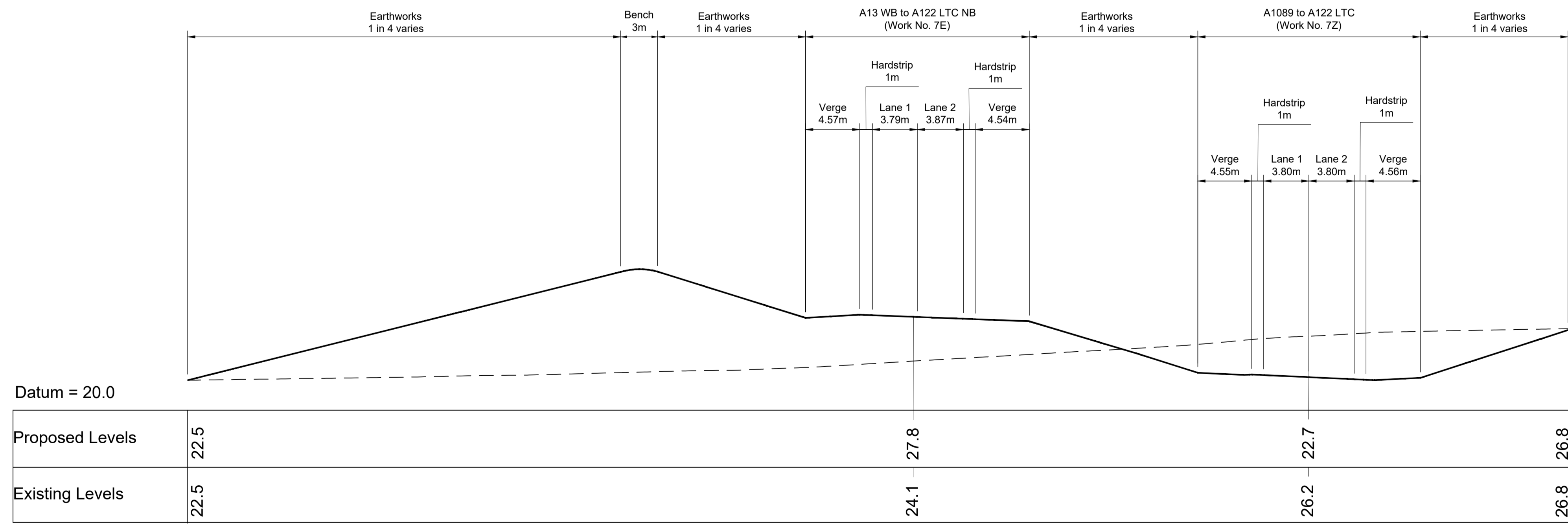
Client

Project LOWER THAMES CROSSING

|                             |   |               |          |          |     |
|-----------------------------|---|---------------|----------|----------|-----|
| Status                      | DCO Application   | Original Size | A1       | Revision | P01 |
| Application Document Number | TR010032/APP/2.9  | Scale         | AS SHOWN |          |     |
| Drawing title               | CROSS SECTIONS<br>REGULATION 5(2)(o) AND 6(2)<br>SHEET 11 |               |          |          |     |
| Drawing Number              | HE540039-CJV-BOP-SZA_RX000000 -DR-CH-10711                |               |          |          |     |



PLAN



CROSS SECTION A-A  
A13/A122 LTC JUNCTION - 2

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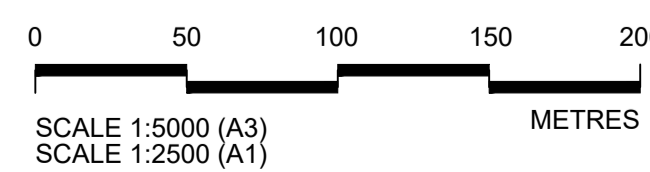
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|-----|--------|------------|---------------------|-------|---------|---------|
| P01 | SB     | 19/10/2022 | DCO Application     | LY    | BB      | ASB     |
| Rev | Status | Rev. Date  | Purpose of revision | Drawn | Check'd | Apprv'd |

NOTES:

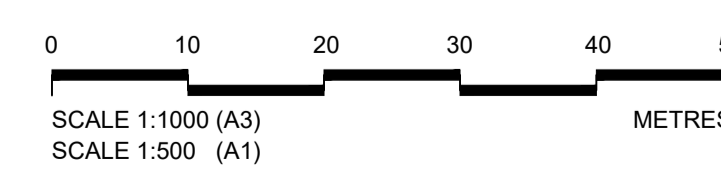
- The proposed works shown are illustrative only and will be subject to change as part of detailed design development. Any changes will be limited to being within the constraints included in the Development Consent Order (application document reference TR010032/APP/3.1).
- These plans should be read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

LEGEND:

- Existing ground level
- Proposed road level
- Order Limits
- ⊙ Cross Section Marker



PLAN SCALE

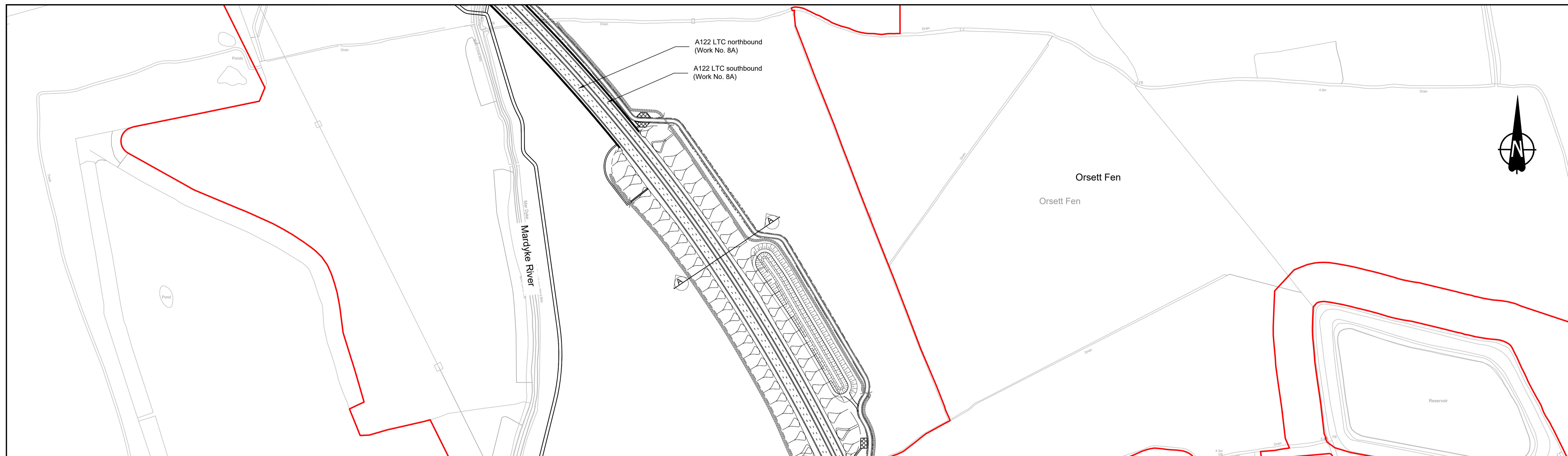


CROSS SECTION SCALE

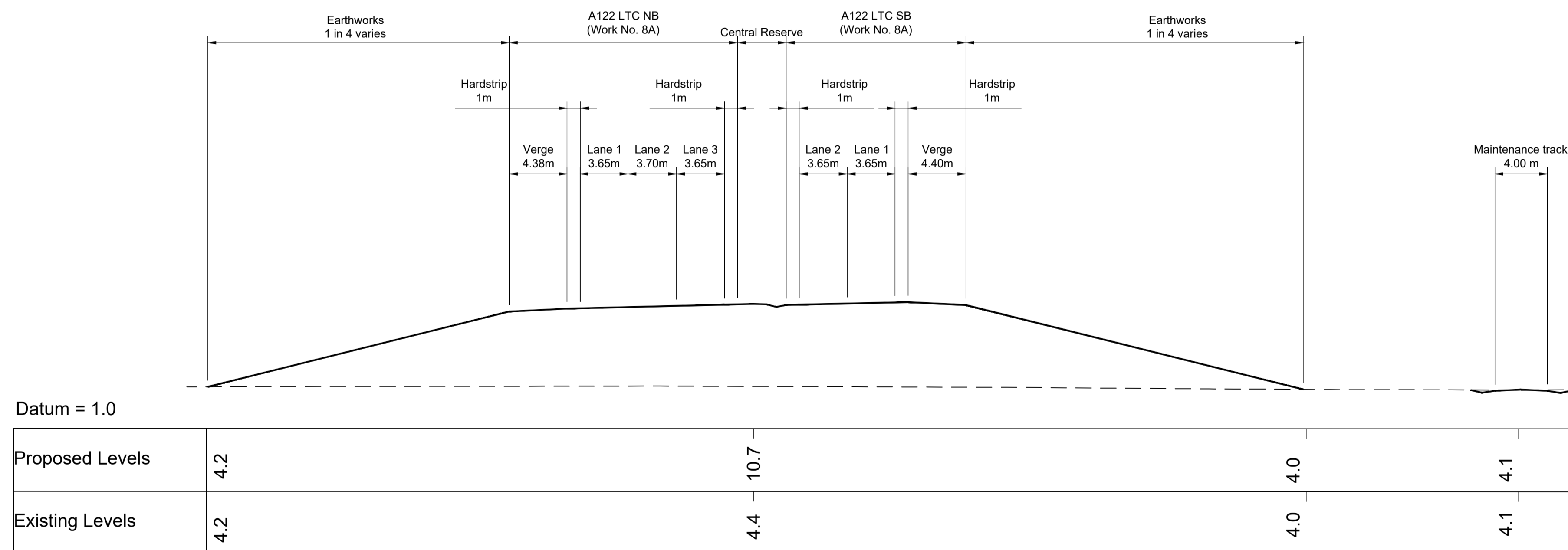
Client: national highways

Project: LOWER THAMES CROSSING

|                             |   |               |          |          |     |
|-----------------------------|---|---------------|----------|----------|-----|
| Status                      | DCO Application   | Original Size | A1       | Revision | P01 |
| Application Document Number | TR010032/APP/2.9  | Scale         | AS SHOWN |          |     |
| Drawing title               | CROSS SECTIONS<br>REGULATION 5(2)(o) AND 6(2)<br>SHEET 12 |               |          |          |     |
| Drawing Number              | HE540039-CJV-BOP-SZA_RX000000 -DR-CH-10712                |               |          |          |     |



PLAN



CROSS SECTION A-A  
A122 LTC - 5

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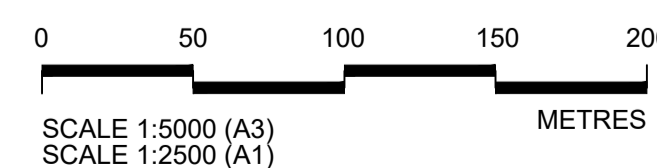
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|-----|--------|------------|---------------------|-------|--------|---------|
| P01 | SB     | 19/10/2022 | DCO Application     | LY    | BB     | ASB     |
| Rev | Status | Rev. Date  | Purpose of revision | Drawn | Chck'd | Apprv'd |

NOTES:

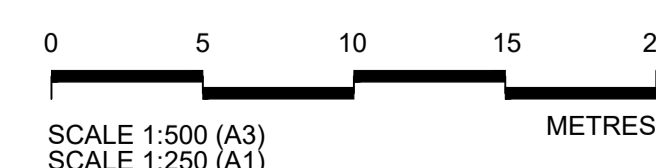
- The proposed works shown are illustrative only and will be subject to change as part of detailed design development. Any changes will be limited to being within the constraints included in the Development Consent Order (application document reference TR010032/APP/3.1).
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- All levels are in metres relative to the Ordnance Datum.

LEGEND:

- Existing ground level
- Proposed road level
- Order Limits
- ⊙ Cross Section Marker



PLAN SCALE



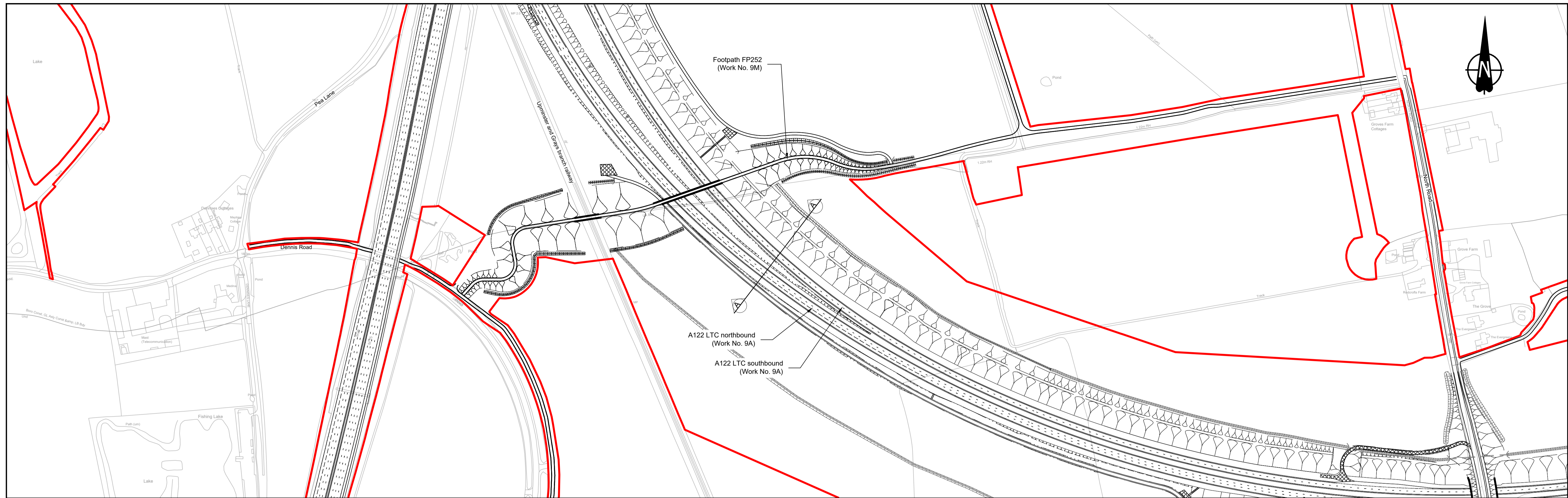
CROSS SECTION SCALE

Client

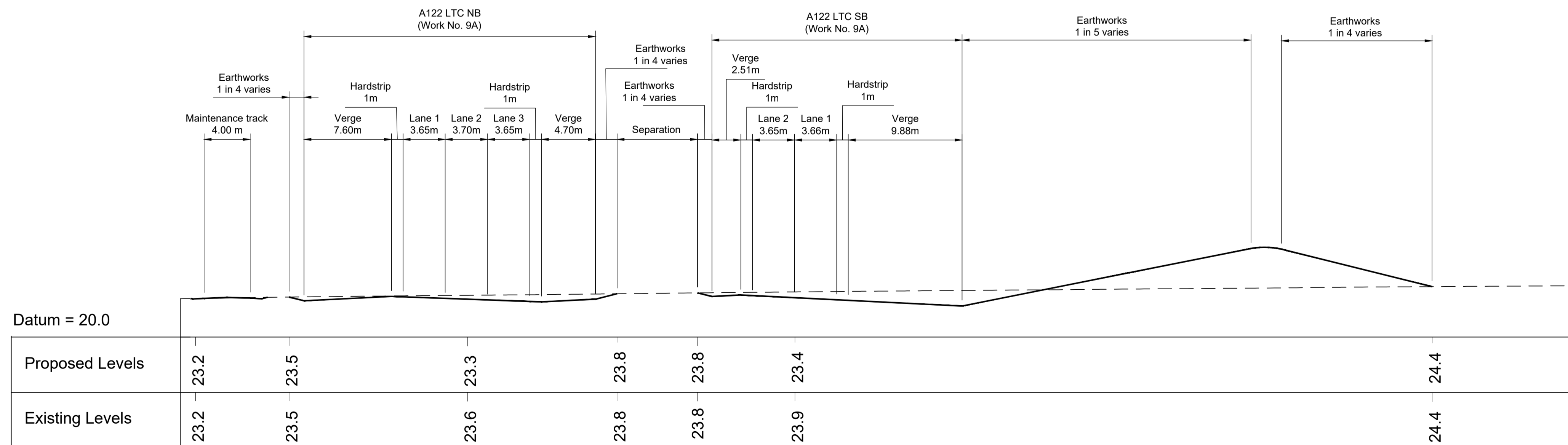
Project

**LOWER THAMES CROSSING**

|                             |   |               |          |          |     |
|-----------------------------|---|---------------|----------|----------|-----|
| Status                      | DCO Application   | Original Size | A1       | Revision | P01 |
| Application Document Number | TR010032/APP/2.9  | Scale         | AS SHOWN |          |     |
| Drawing title               | CROSS SECTIONS<br>REGULATION 5(2)(o) AND 6(2)<br>SHEET 13 |               |          |          |     |
| Drawing Number              | HE540039-CJV-BOP-SZA_RX000000 -DR-CH-10713                |               |          |          |     |



PLAN



CROSS SECTION A-A  
A122 LTC M25 - 1

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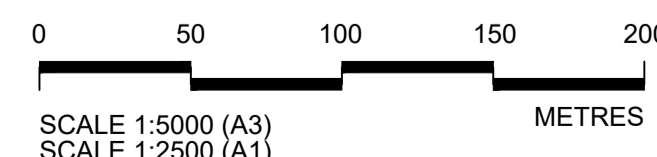
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| P01 | SB     | 19/10/2022 | DCO Application     | LY    | BB      | ASB     |
| Rev | Status | Rev. Date  | Purpose of revision | Drawn | Check'd | Apprv'd |

NOTES:

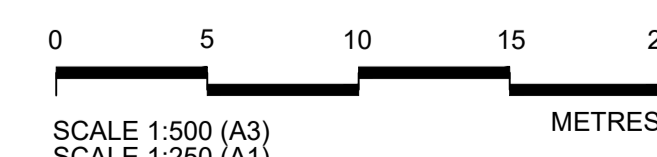
- The proposed works shown are illustrative only and will be subject to change as part of detailed design development. Any changes will be limited to being within the constraints included in the Development Consent Order (application document reference TR010032/APP/3.1).
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- All levels are in metres relative to the Ordnance Datum.

LEGEND:

- Existing ground level
- Proposed road level
- Order Limits
- ⊙ Cross Section Marker



PLAN SCALE



CROSS SECTION SCALE

Client



Project  
LOWER THAMES CROSSING

Status

DCO Application

Application Document Number TR010032/APP/2.9

Drawing title

CROSS SECTIONS  
REGULATION 5(2)(o) AND 6(2)  
SHEET 14

Drawing Number

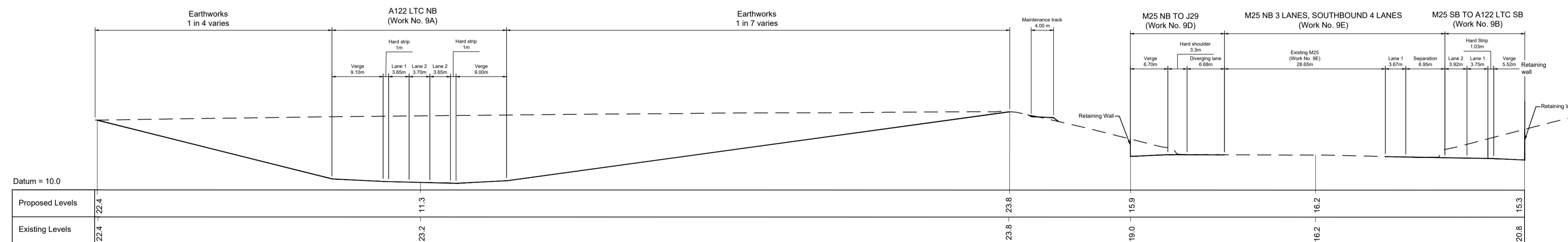
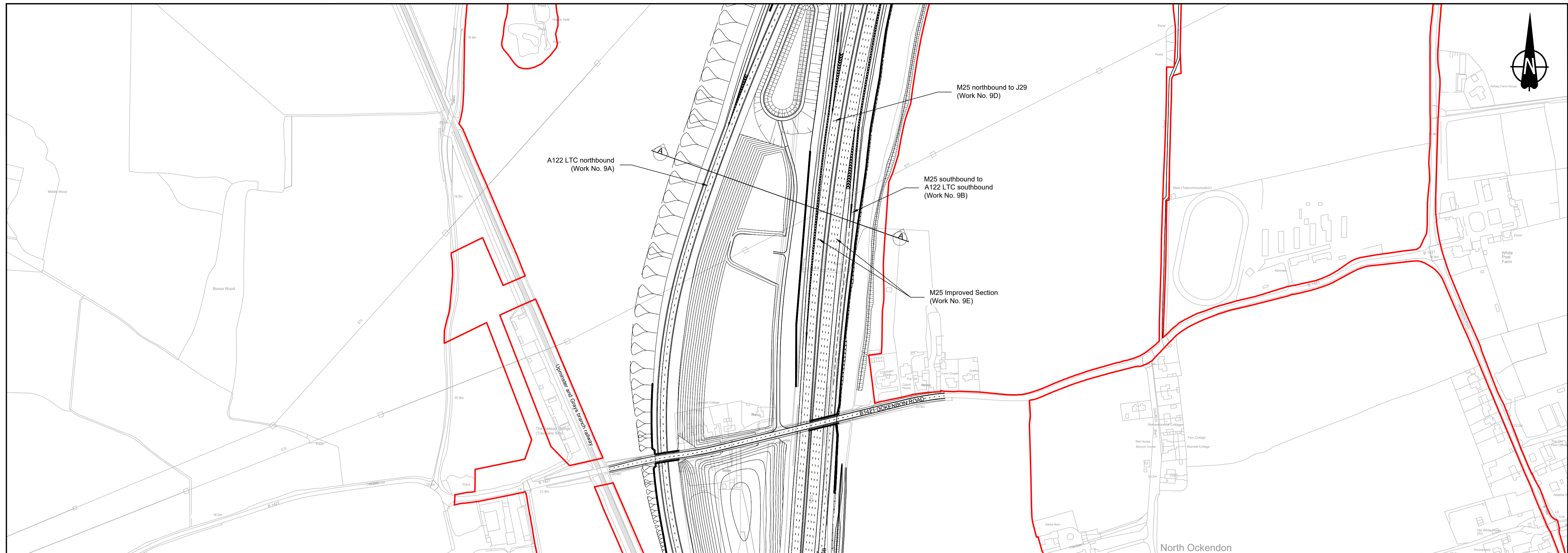
HE540039-CJV-BOP-SZA\_RX000000 -DR-CH-10714

Original Size

A1 P01

Scale

AS SHOWN



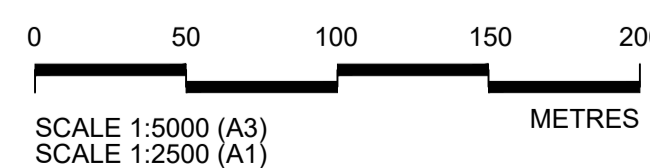
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|--|--------|------------|---------------------|---------|---------|
| Contains Ordnance Survey data. © Crown copyright and database rights 2022. Ordnance Survey 100035649 |        |            |                     |         |         |
| P01  | SB     | 19/10/2022 | DCO Application     | LY      | BB ASB  |
| Rev  | Status | Rev. Date  | Purpose of revision | Drawn   | Check'd |
|  |        |            |                     | Apprv'd |         |

NOTES:

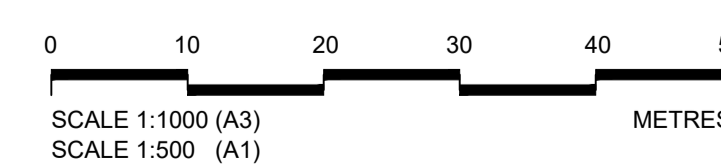
- The proposed works shown are illustrative only and will be subject to change as part of detailed design development. Any changes will be limited to being within the constraints included in the Development Consent Order (application document reference TR010032/APP/3.1).
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- All levels are in metres relative to the Ordnance Datum.

LEGEND:

- Existing ground level
- Proposed road level
- Order Limits
- Cross Section Marker



PLAN SCALE



CROSS SECTION SCALE

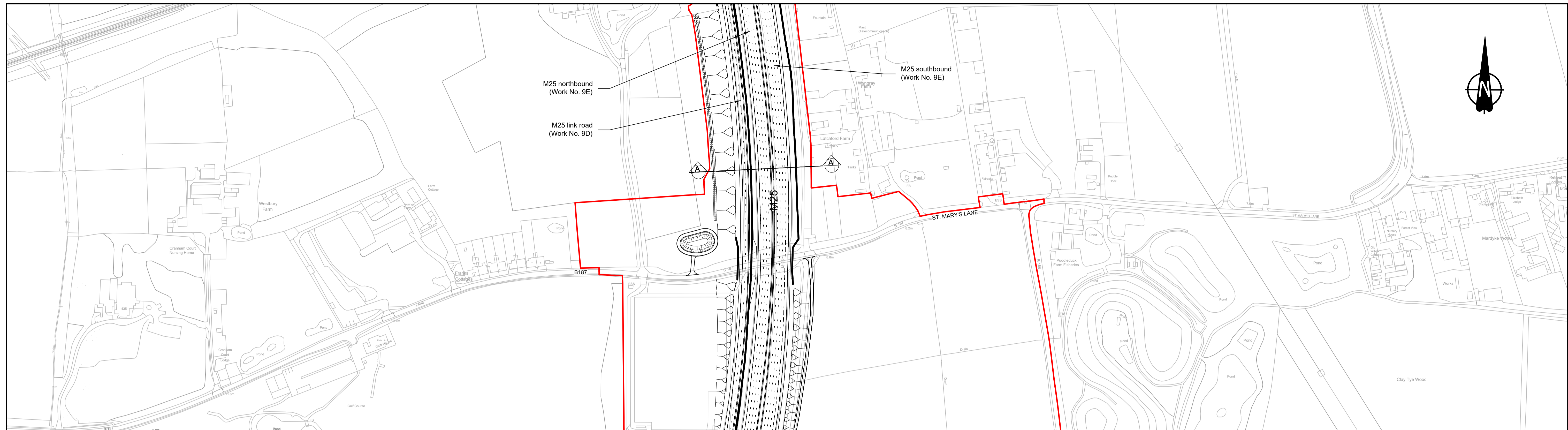
Client

Project

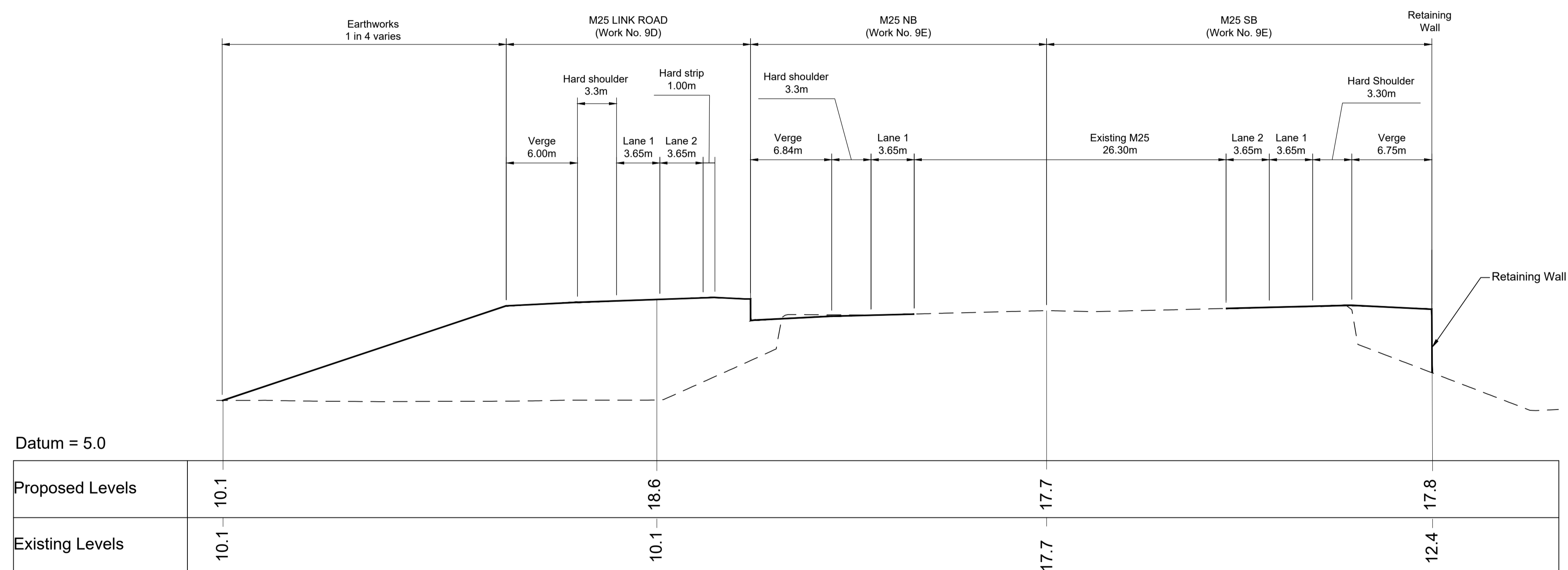
**LOWER THAMES CROSSING**

|                             |  |               |          |          |     |
|-----------------------------|--|---------------|----------|----------|-----|
| Status                      | DCO Application  | Original Size | A1       | Revision | P01 |
| Application Document Number | TR010032/APP/2.9   | Scale         | AS SHOWN |          |     |
| Drawing title               | <b>CROSS SECTIONS<br/>REGULATION 5(2)(o) AND 6(2)<br/>SHEET 15</b> |               |          |          |     |
| Drawing Number              | HE540039-CJV-BOP-SZA_RX000000 -DR-CH-10715                         |               |          |          |     |





PLAN



CROSS SECTION A-A  
M25 JUNCTION 29 - 1

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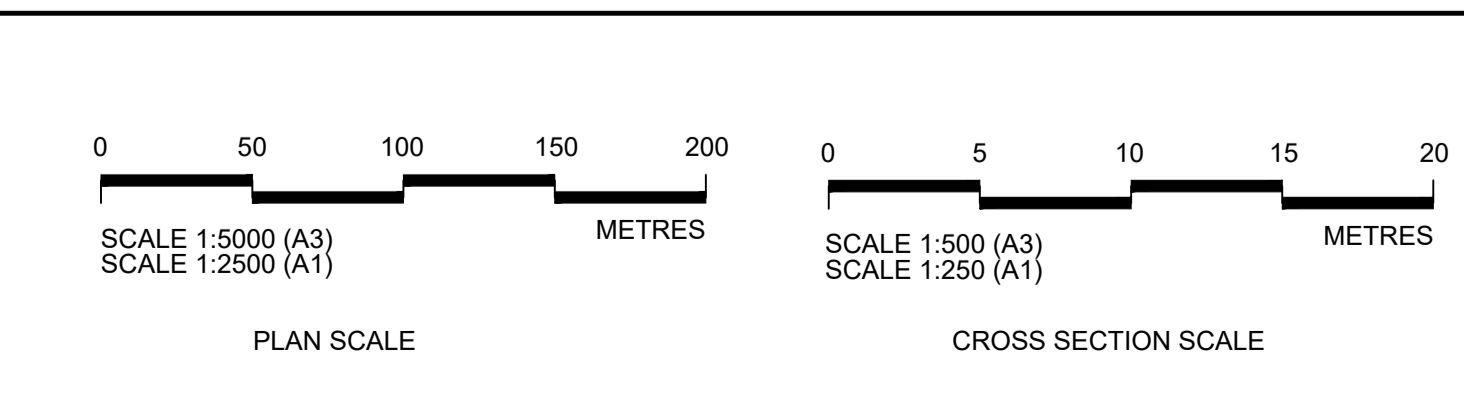
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|-----|--------|------------|---------------------|-------|--------|---------|
| P01 | SB     | 19/10/2022 | DCO Application     | LY    | BB     | ASB     |
| Rev | Status | Rev. Date  | Purpose of revision | Drawn | Chck'd | Apprv'd |

NOTES:

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- All levels are in metres relative to the Ordnance Datum.

LEGEND:

- Existing ground level
- Proposed road level
- Order Limits
- ⊙ Cross Section Marker

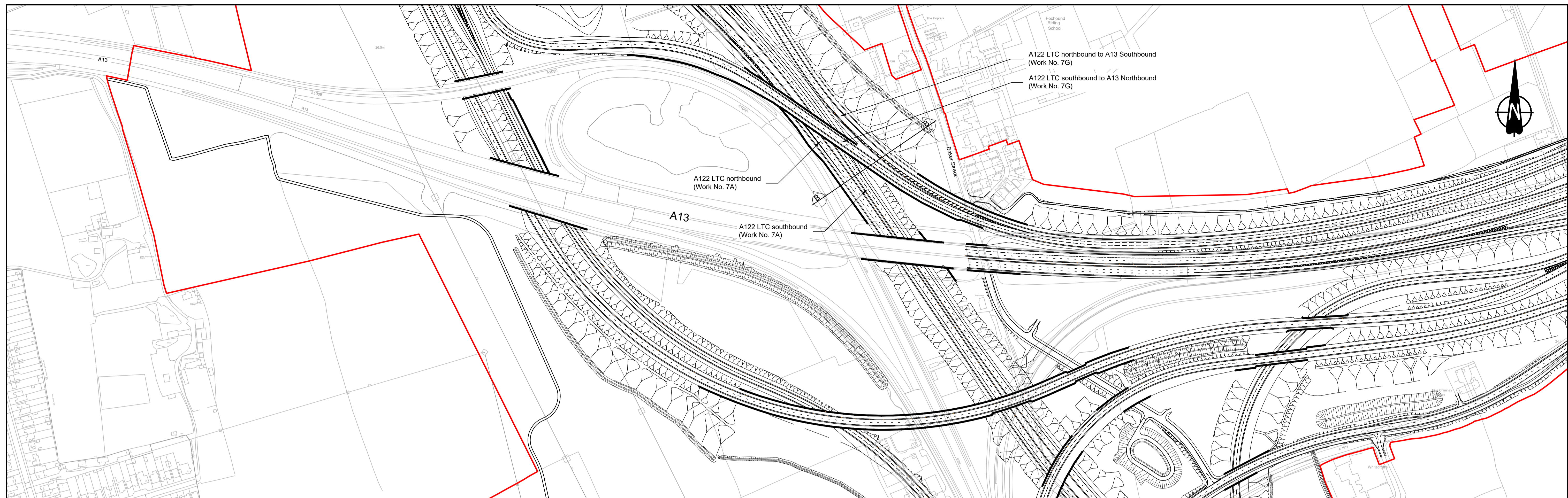


Client

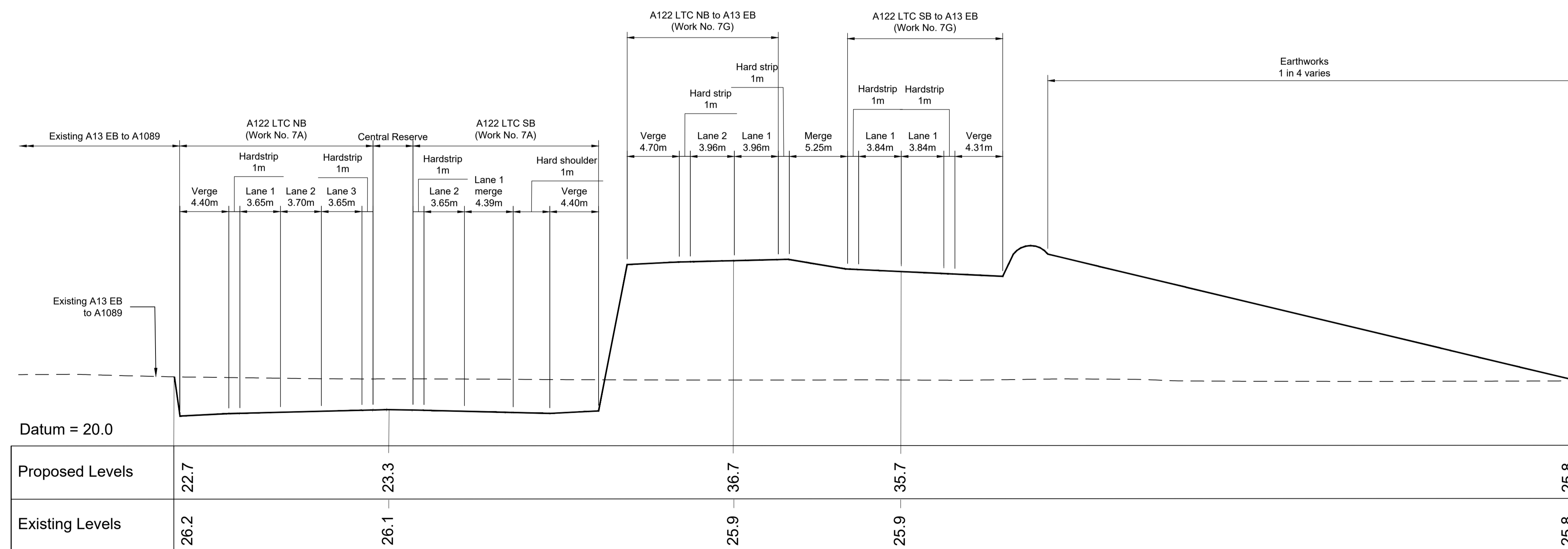
Project

**LOWER THAMES CROSSING**

|                             |  |               |          |          |     |
|-----------------------------|--|---------------|----------|----------|-----|
| Status                      | DCO Application  | Original Size | A1       | Revision | P01 |
| Application Document Number | TR010032/APP/2.9   | Scale         | AS SHOWN |          |     |
| Drawing title               | <b>CROSS SECTIONS<br/>REGULATION 5(2)(o) AND 6(2)<br/>SHEET 16</b> |               |          |          |     |
| Drawing Number              | HE540039-CJV-BOP-SZA_RX000000 -DR-CH-10716                         |               |          |          |     |



PLAN



CROSS SECTION B-B  
A13/A122 LTC - 3

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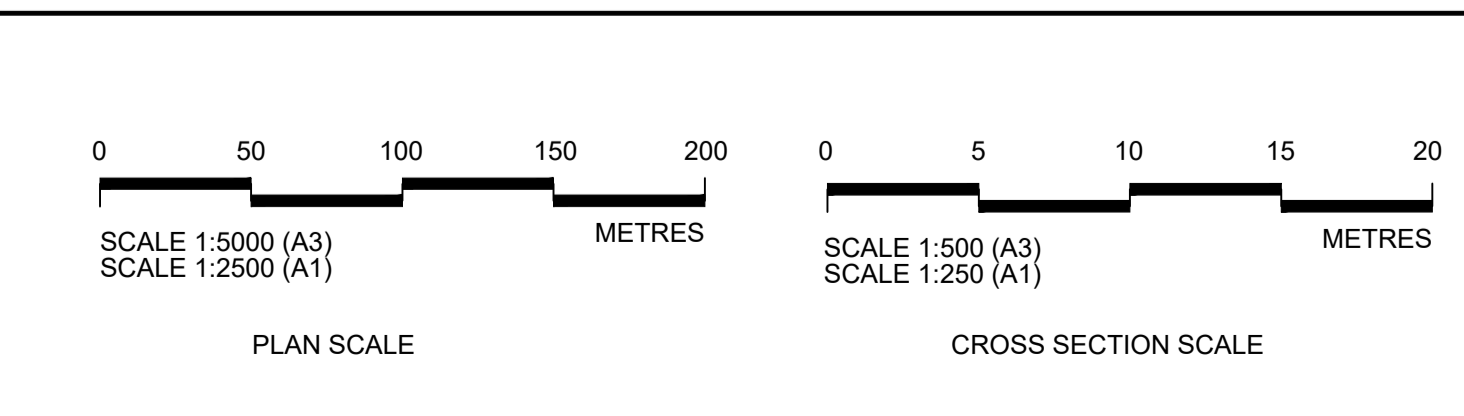
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|-----|--------|------------|---------------------|-------|---------|---------|
| P01 | SB     | 19/10/2022 | DCO Application     | LY    | BB      | ASB     |
| Rev | Status | Rev. Date  | Purpose of revision | Drawn | Check'd | Apprv'd |

NOTES:

- 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).
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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.

LEGEND:

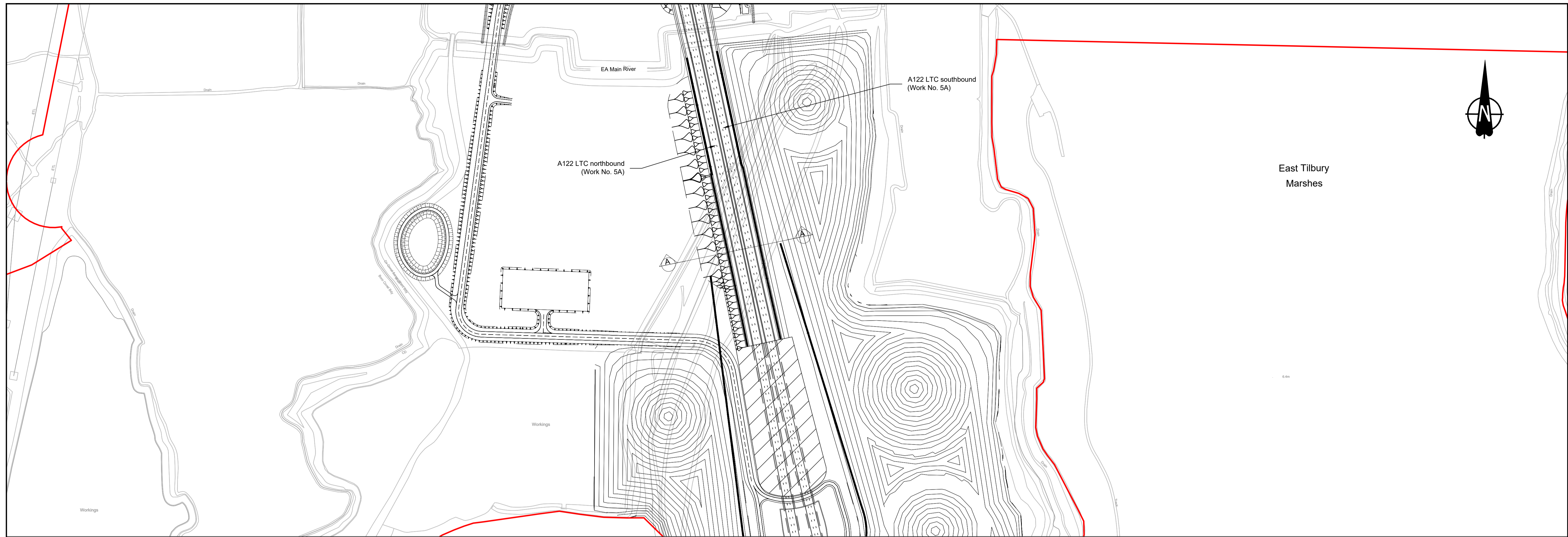
- Existing ground level
- Proposed road level
- Order Limits
- ⊙ Cross Section Marker



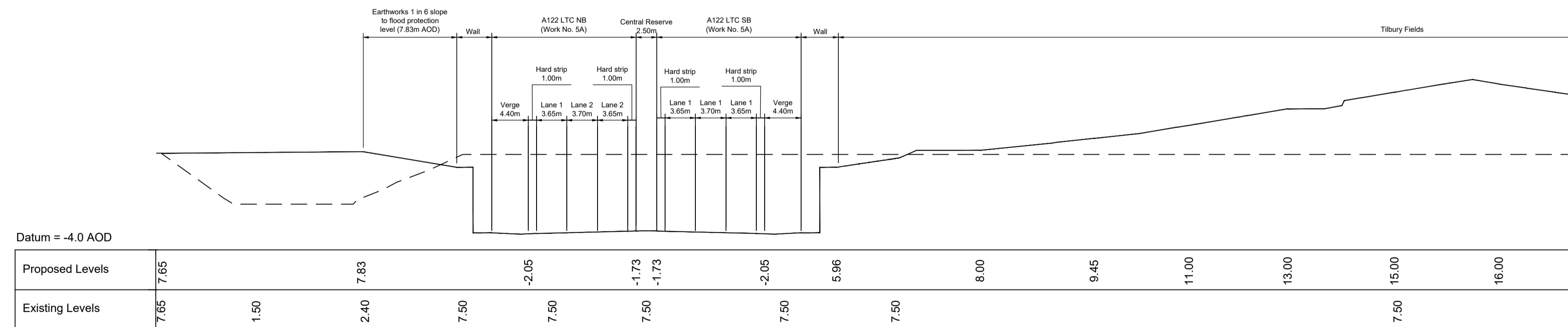
Client: national highways

Project: LOWER THAMES CROSSING

|                             |   |               |        |          |     |
|-----------------------------|---|---------------|--------|----------|-----|
| Status                      | DCO Application   | Original Size | A1     | Revision | P01 |
| Application Document Number | TR010032/APP/2.9  | Scale         | 1:5000 |          |     |
| Drawing title               | CROSS SECTIONS<br>REGULATION 5(2)(o) AND 6(2)<br>SHEET 17 |               |        |          |     |
| Drawing Number              | HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10718                |               |        |          |     |



PLAN



CROSS SECTION A-A  
A122 LTC - 6

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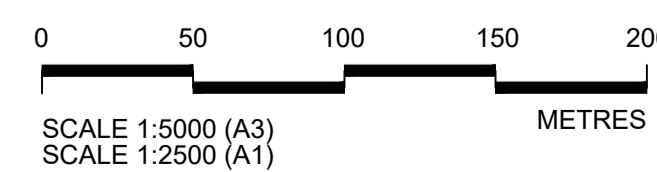
| P01 | SB     | 19/10/2022 | DCO Application     | LY    | BB     | ASB     |
|-----|--------|------------|---------------------|-------|--------|---------|
| Rev | Status | Rev. Date  | Purpose of revision | Drawn | Chck'd | Apprv'd |

NOTES:

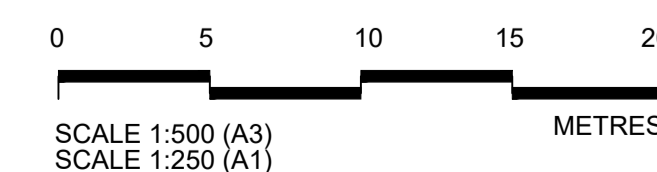
- The proposed works shown are illustrative only and will be subject to change as part of detailed design development. Any changes will be limited to being within the constraints included in the Development Consent Order (application document reference TR010032/APP/3.1).
- These plans should be read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

LEGEND:

- Existing ground level
- Proposed road level
- Order Limits
- Cross Section Marker



PLAN SCALE

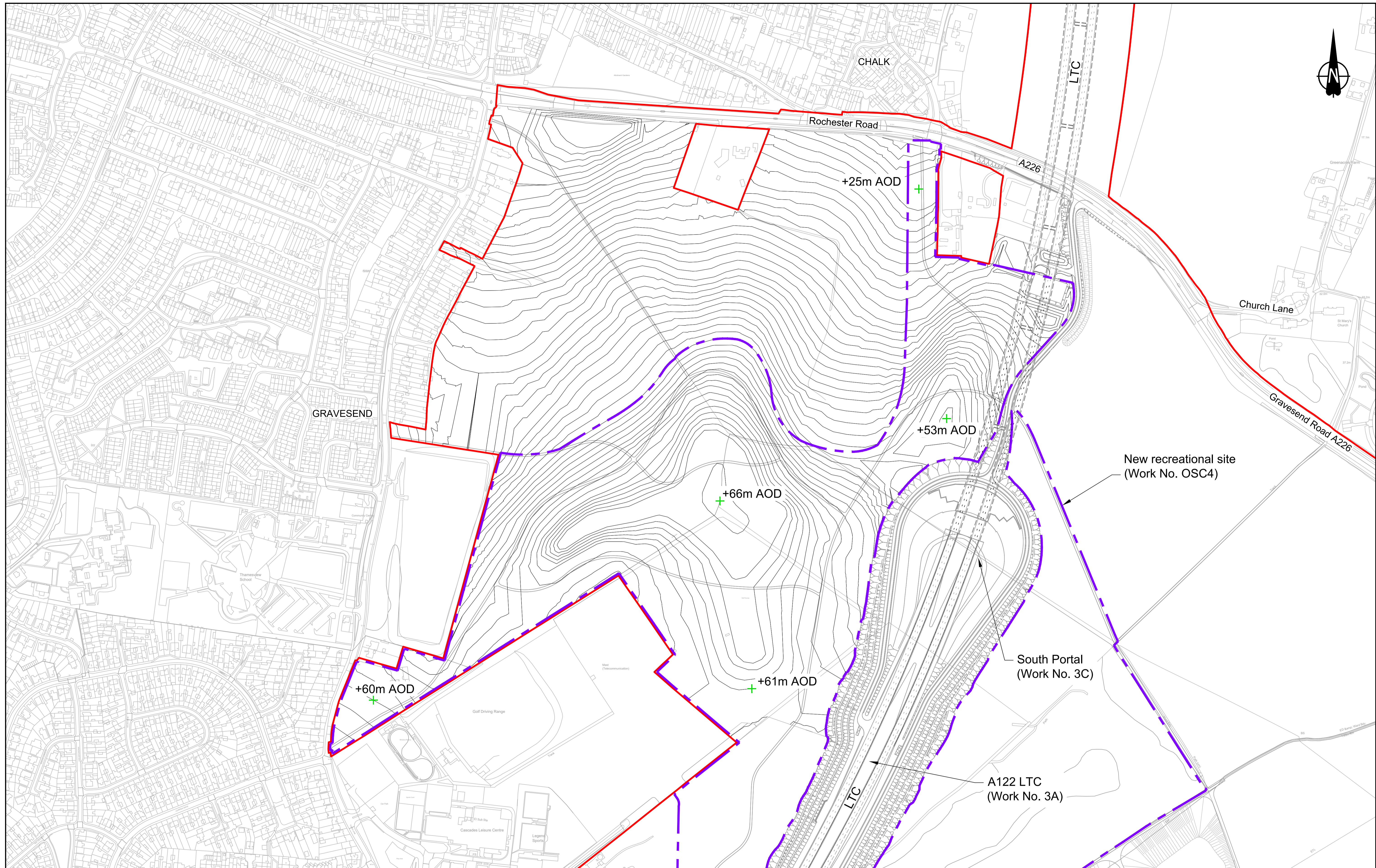


CROSS SECTION SCALE

Client

Project LOWER THAMES CROSSING

|                             |   |               |    |          |     |
|-----------------------------|---|---------------|----|----------|-----|
| Status                      | DCO Application   | Original Size | A1 | Revision | P01 |
| Application Document Number | TR010032/APP/2.9  | Scale         |    |          |     |
| Drawing title               | CROSS SECTIONS<br>REGULATION 5(2)(o) AND 6(2)<br>SHEET 18 |               |    |          |     |
| Drawing Number              | HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10719                |               |    |          |     |



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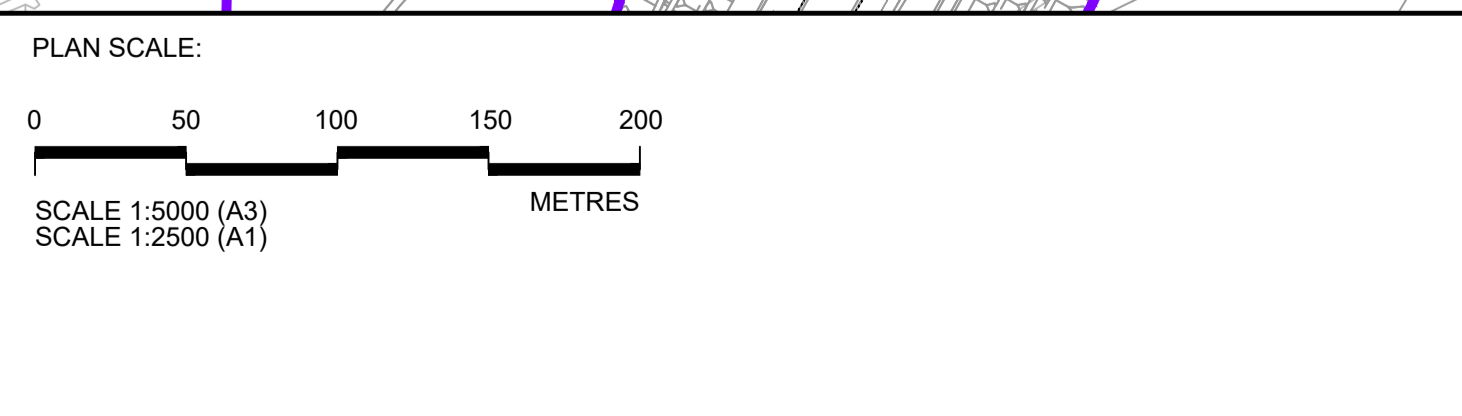
|     |        |            |                     |       |         |         |
|-----|--------|------------|---------------------|-------|---------|---------|
| PO1 | S8     | 31/10/2023 | Deadline 6          | GP    | BB      | ASB     |
| Rev | Status | Rev. Date  | Purpose of revision | Drawn | Check'd | Apprv'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).
3. Proposed works are shown adjacent to the Order Limits to provide greater clarity of extent of the work but could extend to the Order Limits as well.
4. The areas shown with no contour lines or levels will remain at existing ground level.
5. All levels are in metres relative to the Ordnance Datum.

**LEGEND:**

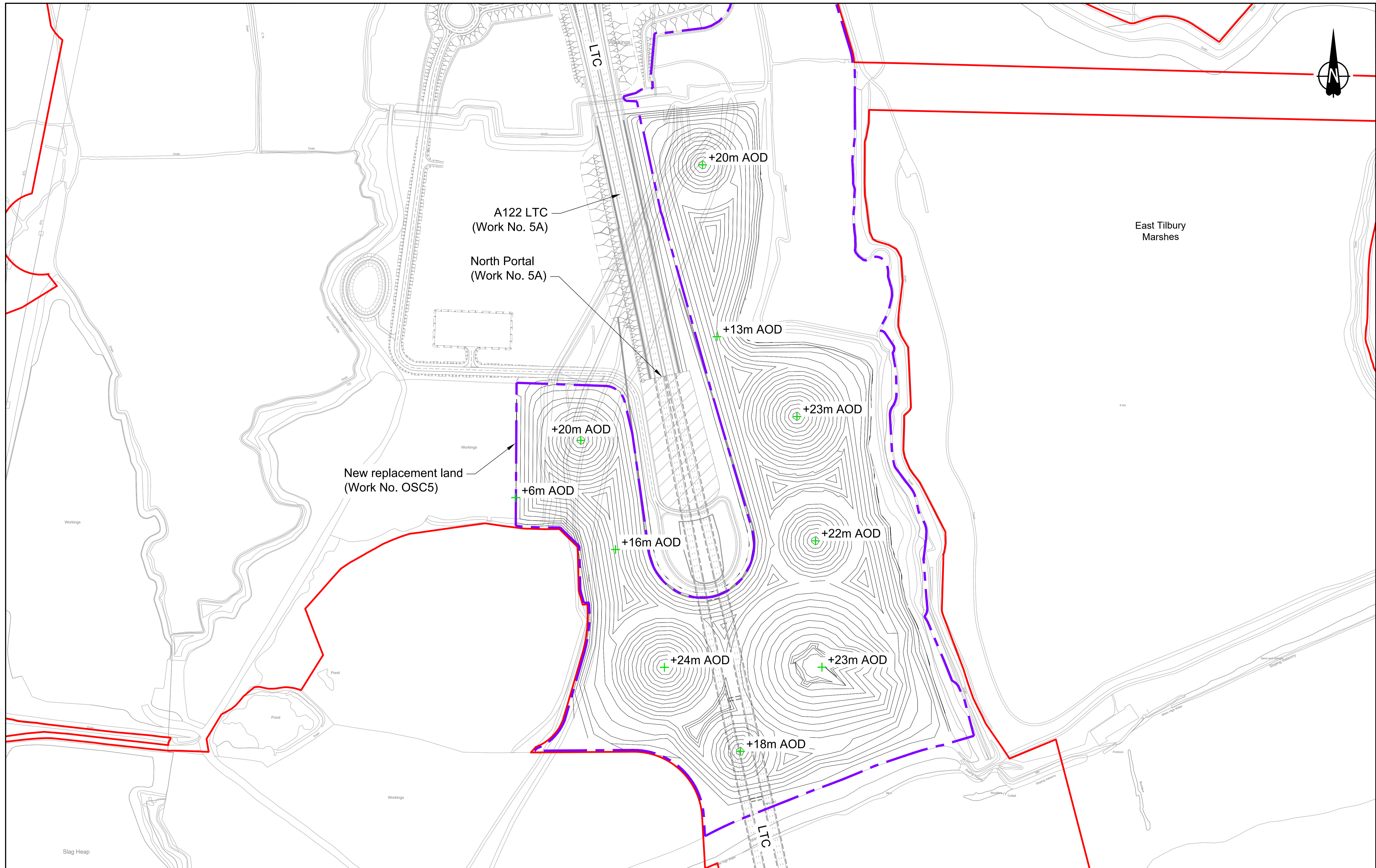
- Order Limits
- - - New recreational site
- + +24.0m AOD + Proposed ground level



Client

Project **LOWER THAMES CROSSING**

|                             |  |               |    |          |     |
|-----------------------------|--|---------------|----|----------|-----|
| Status                      | DCO Examination  | Original Size | A1 | Revision | P01 |
| Application Document Number | TR010032/APP/2.9   | Scale         |    |          |     |
| Drawing title               | <b>CHALK PARK PROPOSED LEVELS<br/>REGULATION 5(2)(o) AND 6(2)<br/>SHEET 19</b> |               |    |          |     |
| Drawing Number              | HE540039-CJV-BOP-SZA_RX000000 -DR-CH-10722                                     |               |    |          |     |



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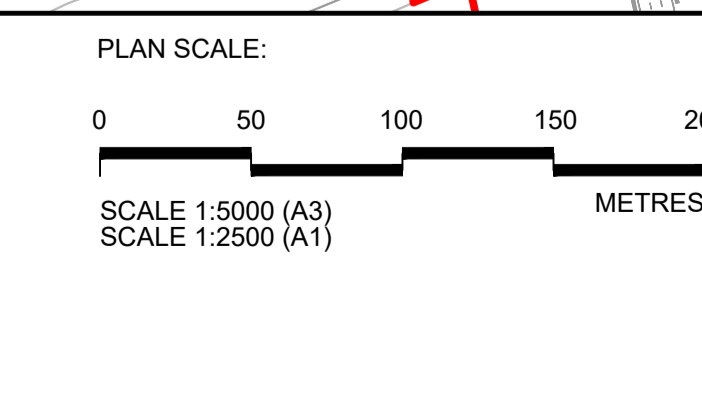
|     |        |            |                     |       |         |         |
|-----|--------|------------|---------------------|-------|---------|---------|
| P01 | S8     | 31/10/2023 | Deadline 6          | GP    | BB      | ASB     |
| Rev | Status | Rev. Date  | Purpose of revision | Drawn | Check'd | Apprv'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).
3. Proposed works are shown adjacent to the Order Limits to provide greater clarity of extent of the work but could extend to the Order Limits as well.
4. The areas shown with no contour lines or levels will remain at existing ground level.
5. All levels are in metres relative to the Ordnance Datum.

**LEGEND:**

- Order Limits
- - - New replacement land
- +24.0m AOD + Proposed ground level



|                              |  |
|------------------------------|--|
| Client                       |  |
| Project                      |  |
| <b>LOWER THAMES CROSSING</b> |  |

|                             |  |               |    |          |     |
|-----------------------------|--|---------------|----|----------|-----|
| Status                      | DCO Examination  | Original Size | A1 | Revision | P01 |
| Application Document Number | TR010032/APP/2.9   | Scale         |    |          |     |
| Drawing title               | <b>TILBURY FIELDS PROPOSED LEVELS<br/>REGULATION 5(2)(o) AND 6(2)<br/>SHEET 20</b> |               |    |          |     |
| Drawing Number              | HE540039-CJV-BOP-SZA_RX000000_-DR-CH-10723   |               |    |          |     |

HE540039-CJV-BOP-SZA\_RX000000\_-DR-CH-10723.dwt

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