

Lower Thames Crossing

2.16 Drainage Plans Volume C (sheets 21 to 49) (Clean version)

APFP Regulation 5(2)(o)

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

Volume 2

DATE: September 2023
DEADLINE: 4

Planning Inspectorate Scheme Ref: TR010032
Application Document Ref: TR010032/APP/2.16

VERSION: 3.0

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Revision History

| Version | Date | Submitted at |
|----------------|-------------------|---------------------|
| 1.0 | 31 October 2022 | DCO Application |
| 2.0 | 24 August 2023 | Deadline 3 |
| 3.0 | 19 September 2023 | Deadline 4 |

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 Regulation 5(4) of the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009, which require:
- 5(2)(o) 'any other plans, drawings and sections necessary to describe the proposals for which development consent is sought, showing details of design, external appearance, and the preferred layout of buildings or structures, drainage, surface water management, means of vehicular and pedestrian access, any car parking to be provided, and means of landscaping.*
- 5(4) Where a plan comprises three or more separate sheets a key plan must be provided showing the relationship between the different sheets.'*
- 1.1.4 The purpose of the Drainage Plans is to show the key features of the drainage design of the Project for which development consent is sought. Each sheet shows the relevant drainage design within the area shown. The highways design is shown in the background on the Drainage Plans for illustrative purposes and specifically to provide context and aid understanding of the works.
- 1.1.5 This plan set numbers all the proposed wetland and infiltration basins shown in the design. The works numbers provided are shown in the Works Plans (Application Document 2.6) and defined in Schedule 1 of the draft Order (Application Document 3.1).
- 1.1.6 Each sheet shows the relevant drainage design and works numbers applicable within the area shown. Reference should be made to the next relevant sheet for details of works numbers beyond the cut lines. Other information on the Drainage Plans is shown beyond the cut lines for completeness and context.
- 1.1.7 To ensure sufficient detail and clarity of information, the Drainage Plans (sheets 1 to 49) have been prepared at a scale of 1:2500. The key plan uses a smaller scale than that prescribed in Regulation 5(3) of the 2009 Regulations so that the Project can be represented on a single sheet plan.
- 1.1.8 The Applicant has adopted the same consistent approach for Drainage Plans as has been used for the following:
- a. Land Plans (Application Document 2.2)
 - b. Crown Land Plans (Application Document 2.3)

- c. Special Category Land Plans (Application Document 2.4)
 - d. General Arrangement Plans (Application Document 2.5)
 - e. Works Plans (Application Document 2.6)
 - f. Rights of Way and Access Plans (Application Document 2.7)
 - g. Streets Subject to Temporary Restrictions of Use Plans (Application Document 2.8)
 - h. Traffic Regulation Measures Plans (Application Document 2.10)
 - i. Temporary Works Plans (Application Document 2.17)
 - j. Hedgerow and Tree Preservations Order Plans (Application Document 2.18)
- 1.1.9 The information contained on each sheet of the Drainage Plans corresponds with the geographical information shown on each sheet of the aforementioned sets. This is intended to help interested parties understand the inter-relationship between the different sets of plans and to help illustrate the design of the Project more clearly.
- 1.1.10 This approach means that there are some sheets that cover an area of the Project where there is no drainage design. On these sheets, the Applicant has introduced a label stating: ‘No design information on this sheet’.
- 1.1.11 The Drainage Plans show the Order Limits and the relevant local authority boundaries. 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, as set out in Article 2 of the draft Order (Application Document 3.1).
- 1.1.12 This plan set uses a different legend on all sheets: it shows a consistent base key (presented across the plan set) followed by a sheet-specific key for catchment areas and outfalls. This means that there may be some items shown in the key that are not on a given sheet.
- 1.1.13 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 Schedule 1 of the draft Order (Application Document 3.1).
- 1.1.14 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 three volumes: volume A contains the key plan, volume B the initial sheets 1 to 20 and volume C contains the following sheets, 21 to 49.
- 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 [\[PD-031\]](#).

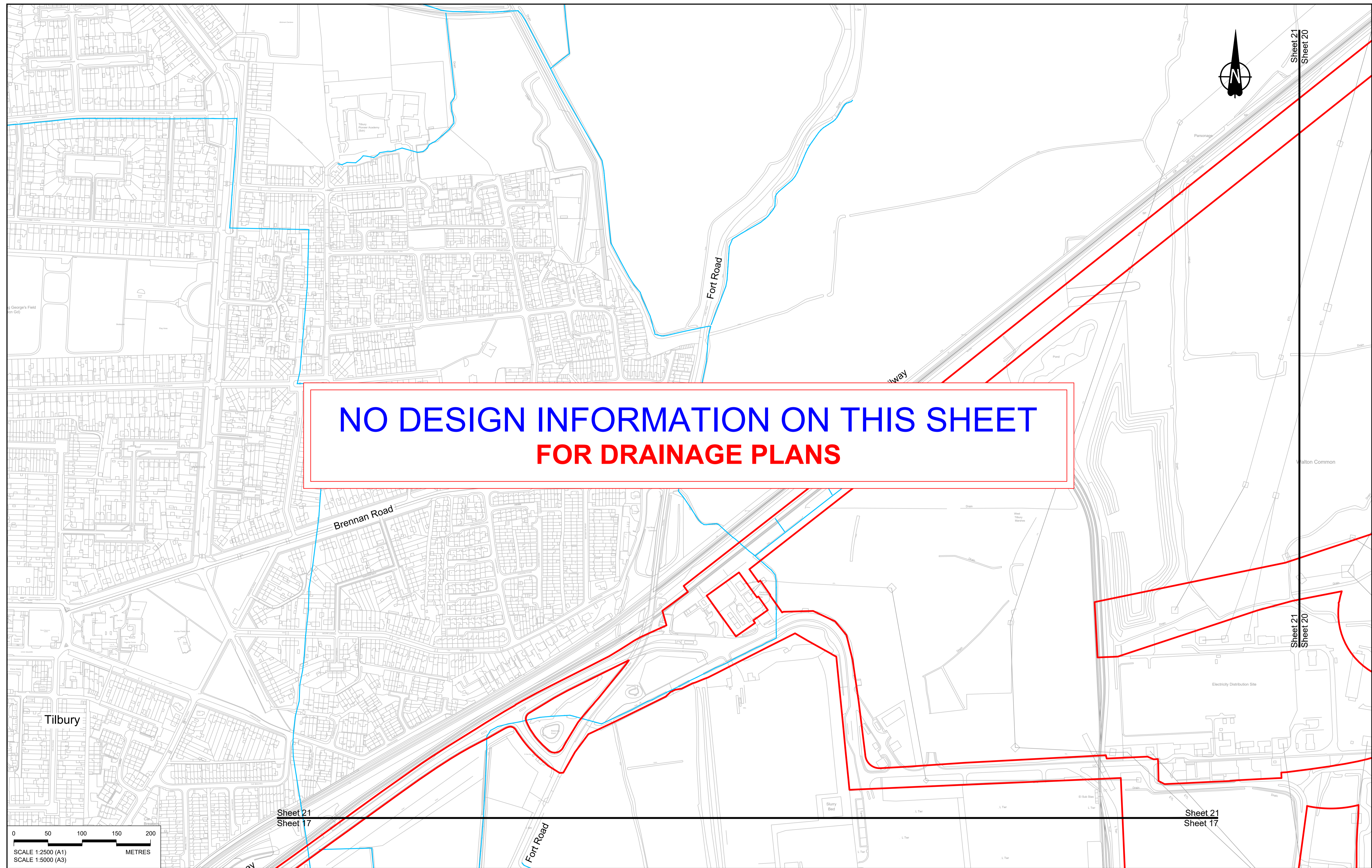
2 Schedule of Plans included in this application document

| Document Title | Document Number | Revision |
|--|-------------------|----------|
| DRAINAGE PLANS REGULATION 5(2)(o) KEY PLAN | TR010032/APP/2.16 | P03 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 1 | TR010032/APP/2.16 | P02 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 2 | TR010032/APP/2.16 | P02 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 3 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 4 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 5 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 6 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 7 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 8 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 9 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 10 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 11 | TR010032/APP/2.16 | P01 |

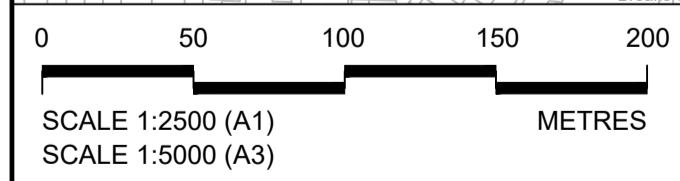
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| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 13 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 14 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 15 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 16 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 17 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 18 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 19 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 20 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 21 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 22 | TR010032/APP/2.16 | P02 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 23 | TR010032/APP/2.16 | P03 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 24 | TR010032/APP/2.16 | P02 |

| Document Title | Document Number | Revision |
|--|-------------------|----------|
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 25 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 26 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 27 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 28 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 29 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 30 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 31 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 32 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 33 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 34 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 35 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 36 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 37 | TR010032/APP/2.16 | P01 |

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| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 38 | TR010032/APP/2.16 | P01 |
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| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 40 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 41 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 42 | TR010032/APP/2.16 | P01 |
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| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 45 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 46 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 47 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULATION 5(2)(o) SHEET 48 | TR010032/APP/2.16 | P01 |
| DRAINAGE PLANS REGULAION 5(2)(o) SHEET 49 | TR010032/APP/2.16 | P01 |



**NO DESIGN INFORMATION ON THIS SHEET
FOR DRAINAGE PLANS**



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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)
- Where proposed catchment areas boundaries overlap with each other or the Order Limits they are shown adjacent to each other or the Order Limit to provide greater visual clarity but these could extend to the boundary of other catchment areas or the Order Limits as well.

| | |
|---|---|
| LEGEND: | |
| BOUNDARIES | PROPOSED DRAINAGE |
| Order Limits | Watercourse diversion |
| Local Authority boundary | Ditch |
| Existing watercourse | Culvert or pipe |
| P.S. | Pumping station |
| Infiltration basin, attenuation pond, infiltration pond | Containment for contaminated water from tunnel low point sump |
| Swale | |

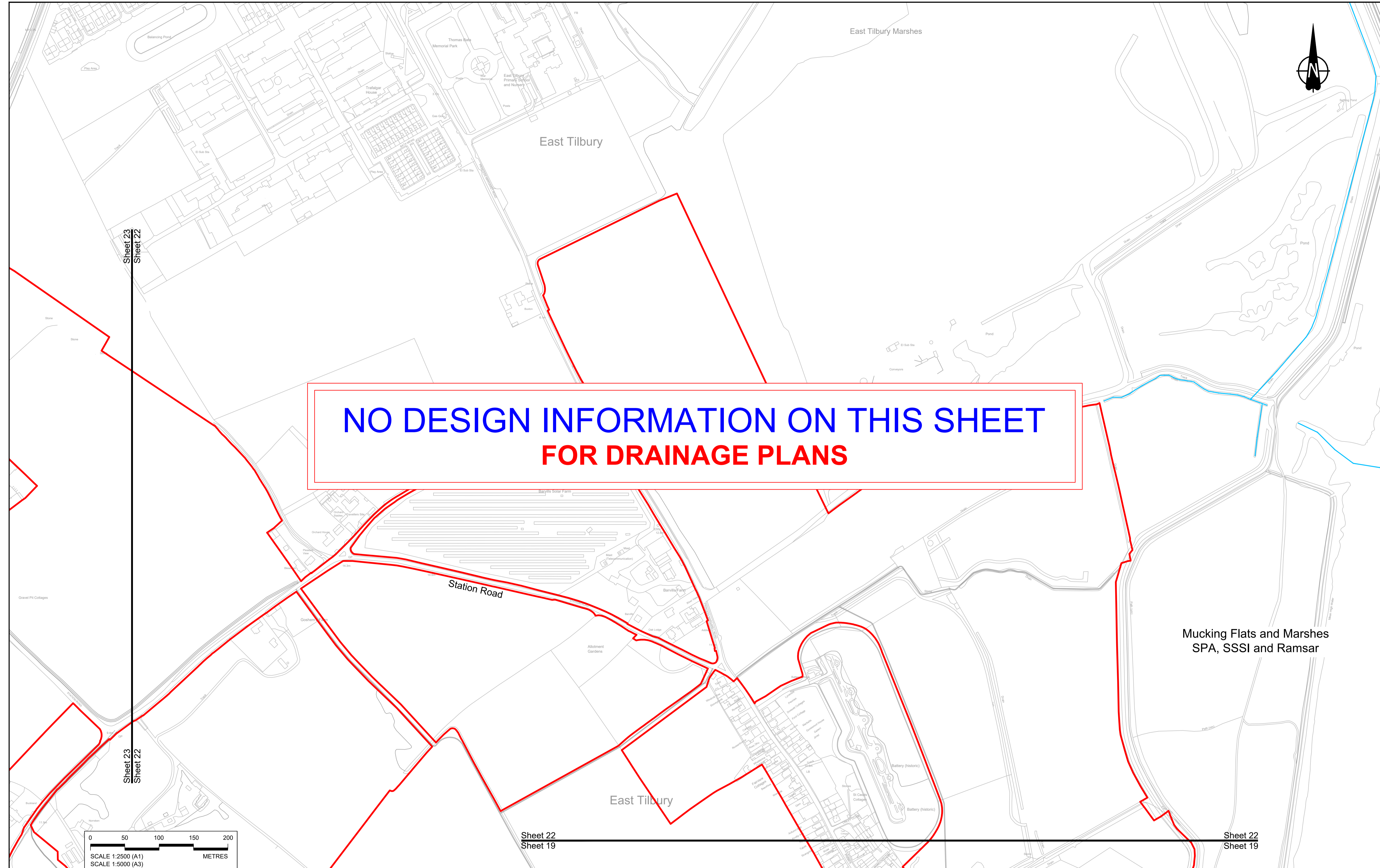
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Project

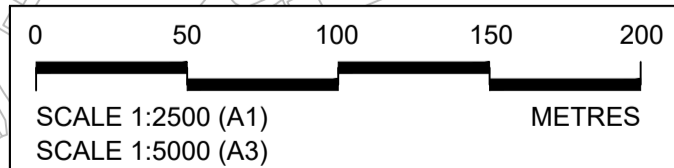
LOWER THAMES CROSSING

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| Status | DCO Application |
| Application Document Number | TR010032/APP/2.16 |
| Drawing title | DRAINAGE PLANS REGULATION 5(2)(o) SHEET 21 |
| Drawing Number | HE540039-CJV-BOP-SZZ_DN100000_-DR-CD-10018 |

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| Original Size | A1 | Revision | P01 |
| Scale | 1:2500 | | |



**NO DESIGN INFORMATION ON THIS SHEET
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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 |
| P02 | S8 | 19/09/2023 | Deadline 4 | MS | RO | ASB |

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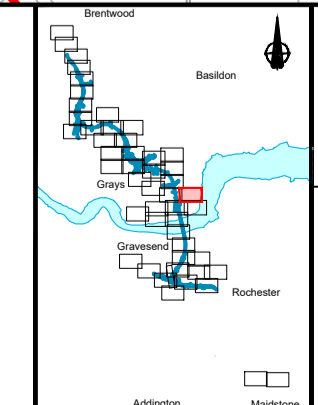
BOUNDARIES

- Order Limits
- Local Authority boundary
- Existing watercourse

PROPOSED DRAINAGE

- Watercourse diversion
- Infiltration basin, attenuation pond, infiltration pond
- Swale

- Ditch
- Culvert or pipe
- P.S. Pumping station
- Containment for contaminated water from tunnel low point sump



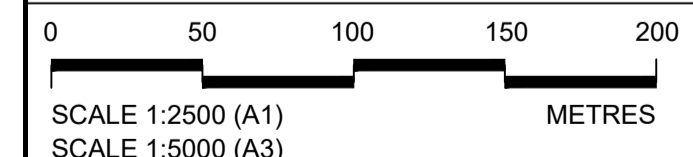
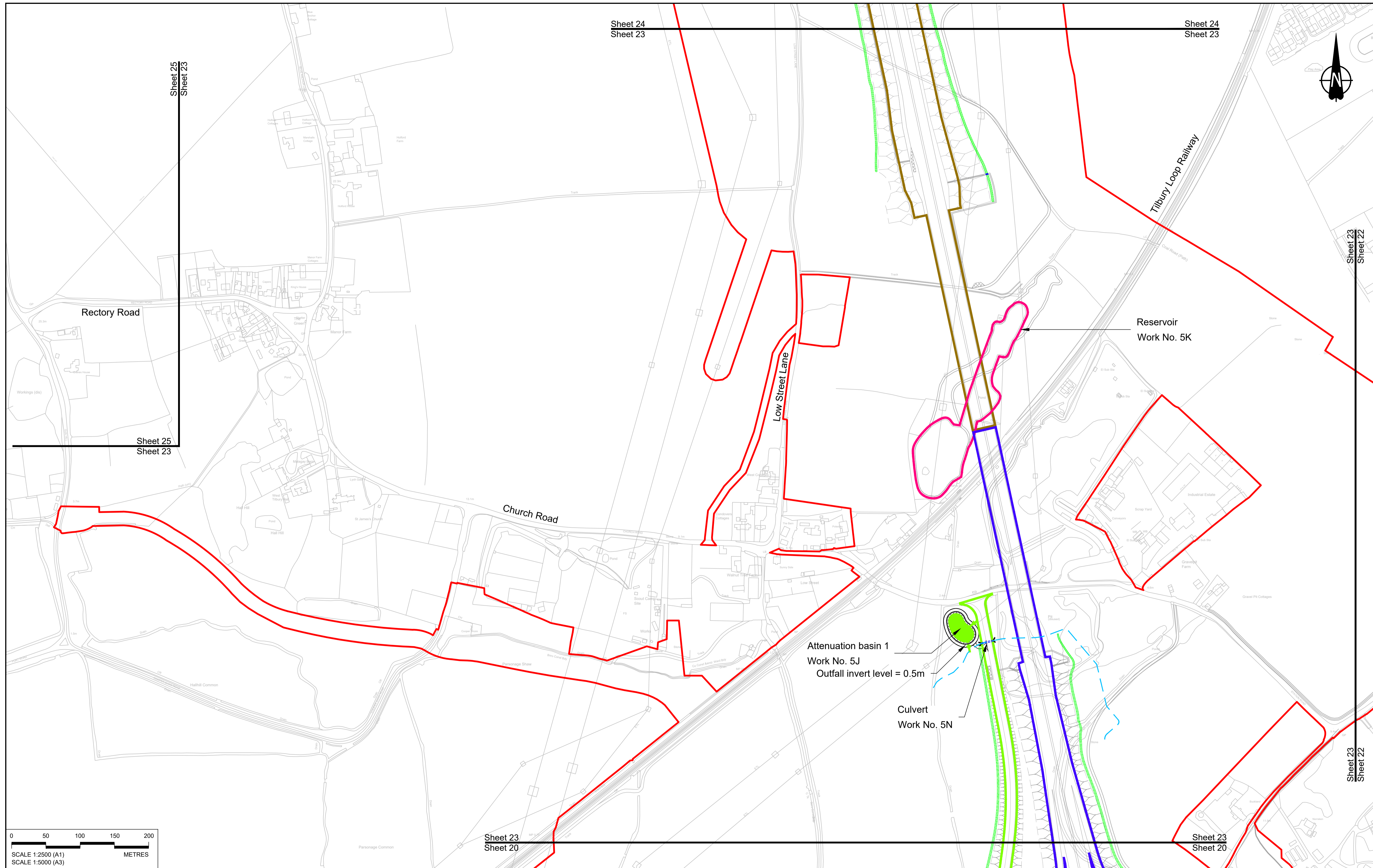
national highways

Client

Project

LOWER THAMES CROSSING

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| Status | DCO Examination | Original Size | A1 | Revision | P02 |
| Application Document Number | TR010032/APP/2.16 | Scale | 1:2500 | | |
| Drawing title | DRAINAGE PLANS REGULATION 5(2)(o) SHEET 22 | | | | |
| Drawing Number | HE540039-CJV-BOP-SZZ_DN100000_-DR-CD-10019 | | | | |



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

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LEGEND:

BOUNDARIES

- Order Limits
- Local Authority boundary
- Existing watercourse

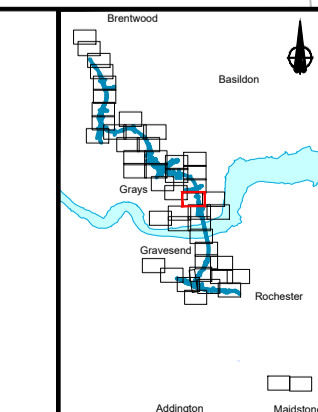
PROPOSED DRAINAGE

- Watercourse diversion
- Infiltration basin, attenuation pond, infiltration pond
- Swale

- Ditch
- Culvert or pipe
- P.s. Pumping station
- Containment for contaminated water from tunnel low point sump

CATCHMENT AREAS AND OUTFALLS

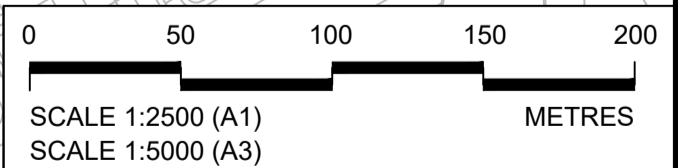
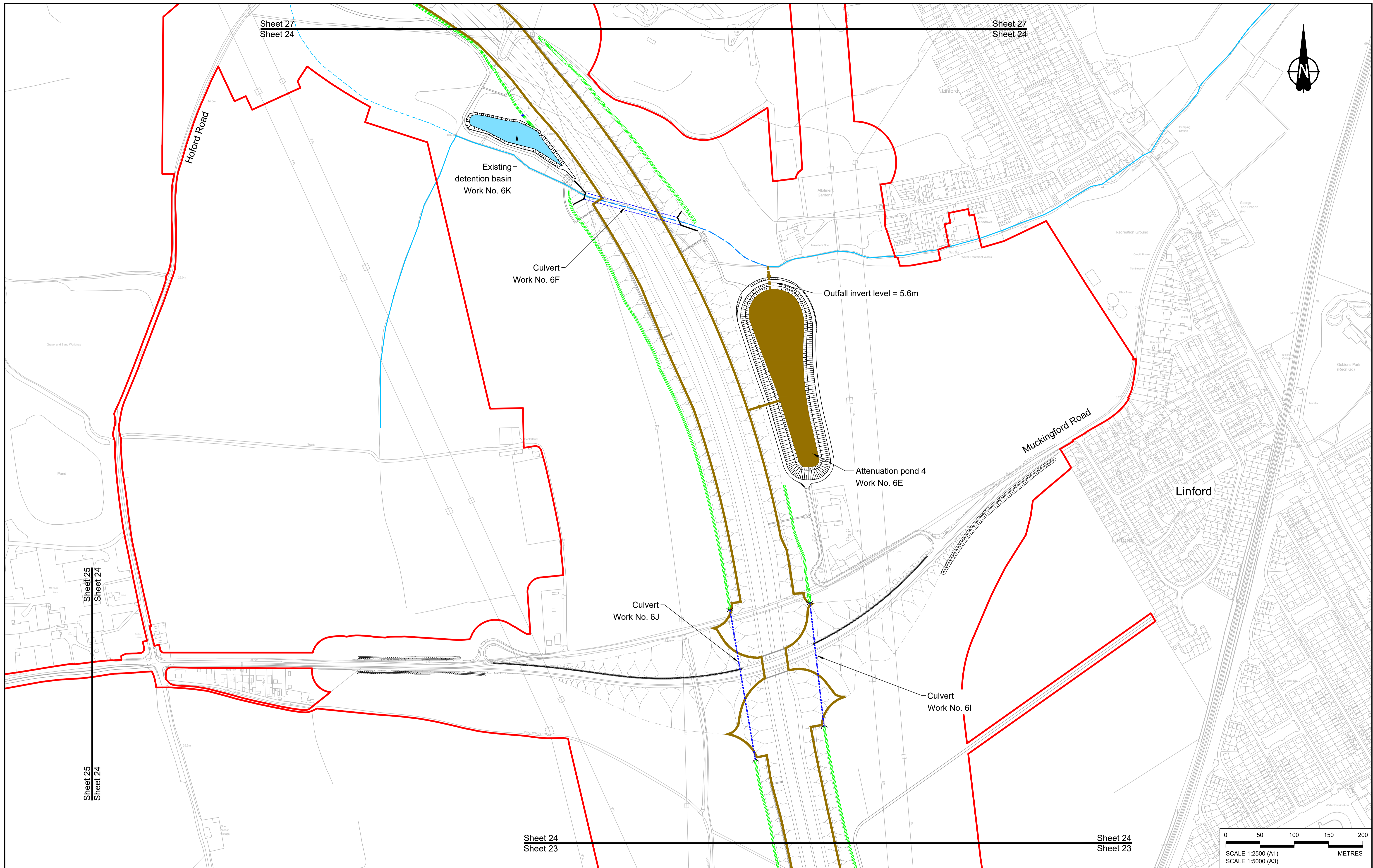
- Catchment for Work No. 5H and 5I
- Catchment for Work No. 5J
- Outfall to Work No. 5J
- Discharge to existing drainage network or watercourse for Work No. 5J
- Catchment for Work No. 6E
- Reservoir Work No. 5K



Client: **national highways**

Project: **LOWER THAMES CROSSING**

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| Status | DCO Examination | Original Size | A1 | Revision | P03 |
| Application Document Number | TR010032/APP/2.16 | Scale | 1:2500 | | |
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| Drawing Number | HE540039-CJV-BOP-SZZ_DN100000_-DR-CD-10020 | | | | |



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| P01 | S8 | 19/10/2022 | DCO Application | LY | BB ASB |
| P02 | S8 | 19/09/2023 | Deadline 4 | MS | RO ASB |

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LEGEND:

BOUNDARIES

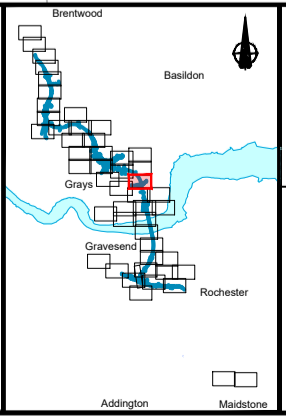
- Order Limits
- Local Authority boundary
- Existing watercourse

PROPOSED DRAINAGE

- Watercourse diversion
- Infiltration basin, attenuation pond, infiltration pond
- Swale
- Ditch
- Culvert or pipe
- P.S. Pumping station
- Containment for contaminated water from tunnel low point sump

CATCHMENT AREAS AND OUTFALLS

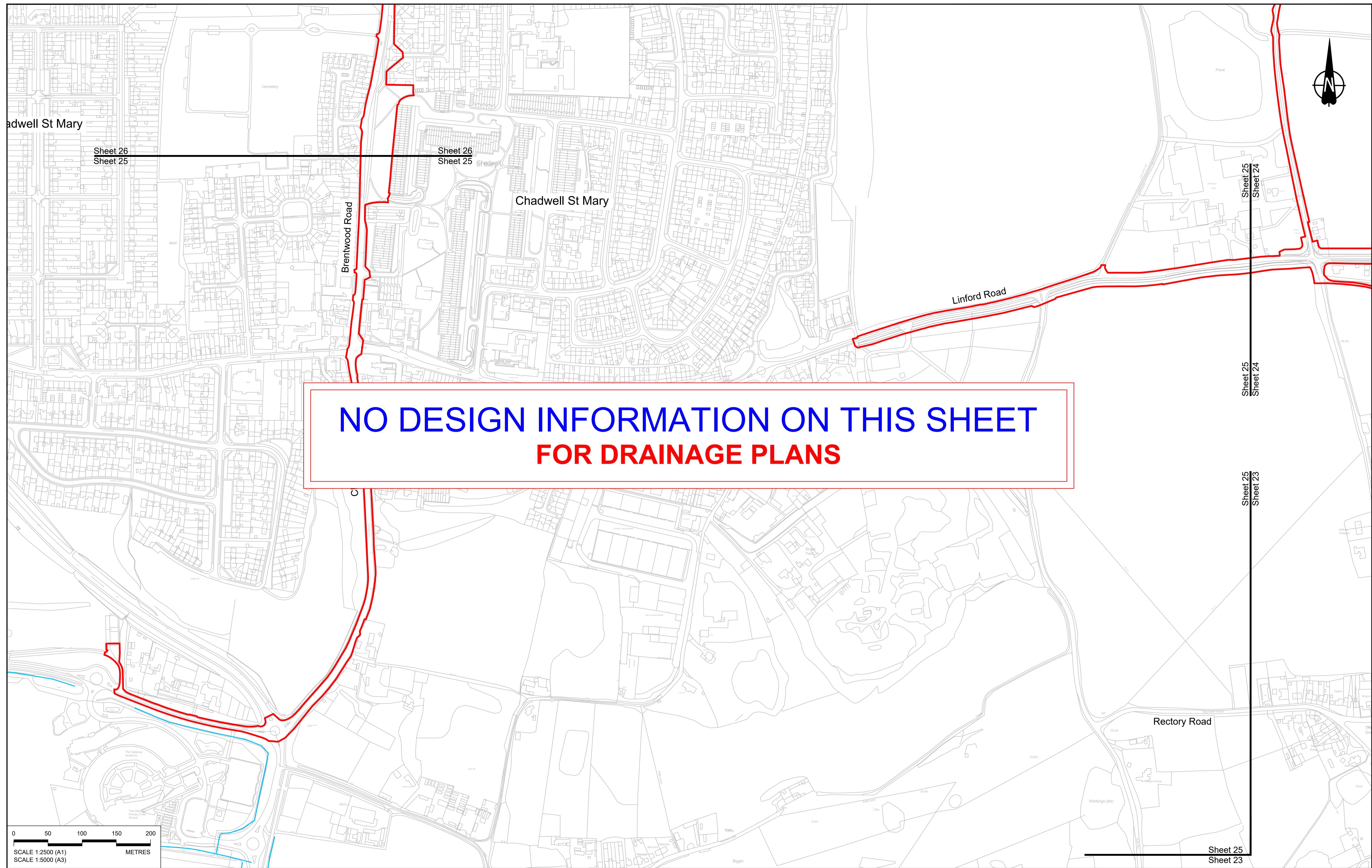
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- Outfall to Work No. 6E
- Discharge to existing drainage network or watercourse for Work No. 6E



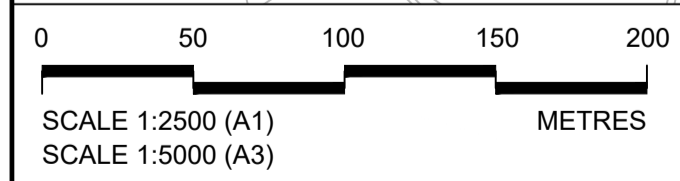
Client: **national highways**

Project: **LOWER THAMES CROSSING**

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| Application Document Number | TR010032/APP/2.16 | Scale | 1:2500 | | |
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| Drawing Number | HE540039-CJV-BOP-SZZ_DN100000_DR-CD-10021 | | | | |



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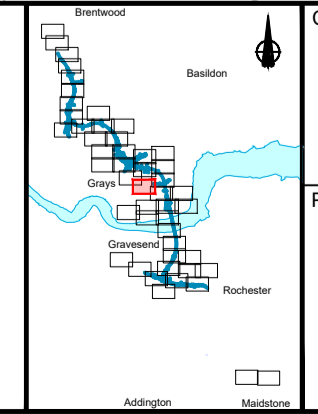
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LEGEND:

| | | |
|--------------------------|---|---|
| BOUNDARIES | PROPOSED DRAINAGE | |
| Order Limits | Watercourse diversion | Ditch |
| Local Authority boundary | Infiltration basin, attenuation pond, infiltration pond | Culvert or pipe |
| Existing watercourse | Swale | P.S. Pumping station |
| | | Containment for contaminated water from tunnel low point sump |



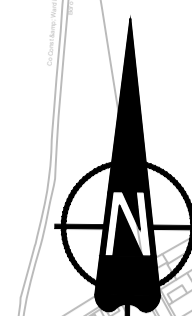
national highways

Project: **LOWER THAMES CROSSING**

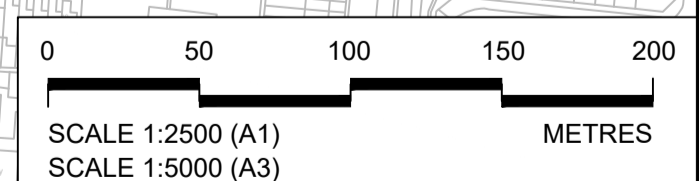
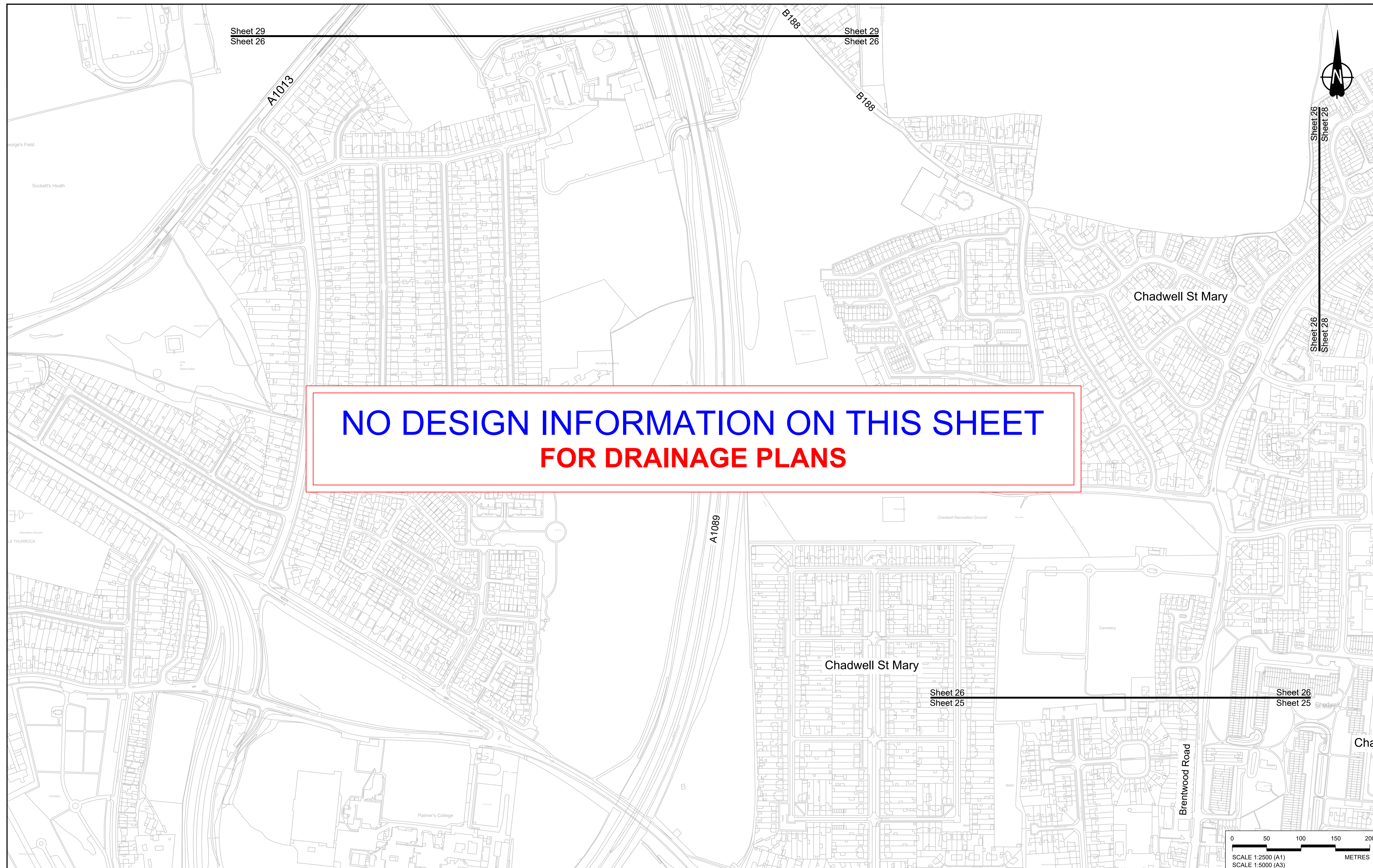
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| Drawing Number | HE540039-CJV-BOP-SZZ_DN100000_-DR-CD-10022 | | |
| | | Scale | 1:2500 |

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**NO DESIGN INFORMATION ON THIS SHEET
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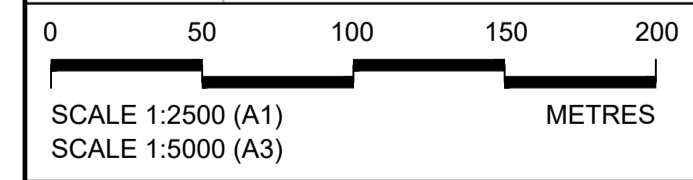
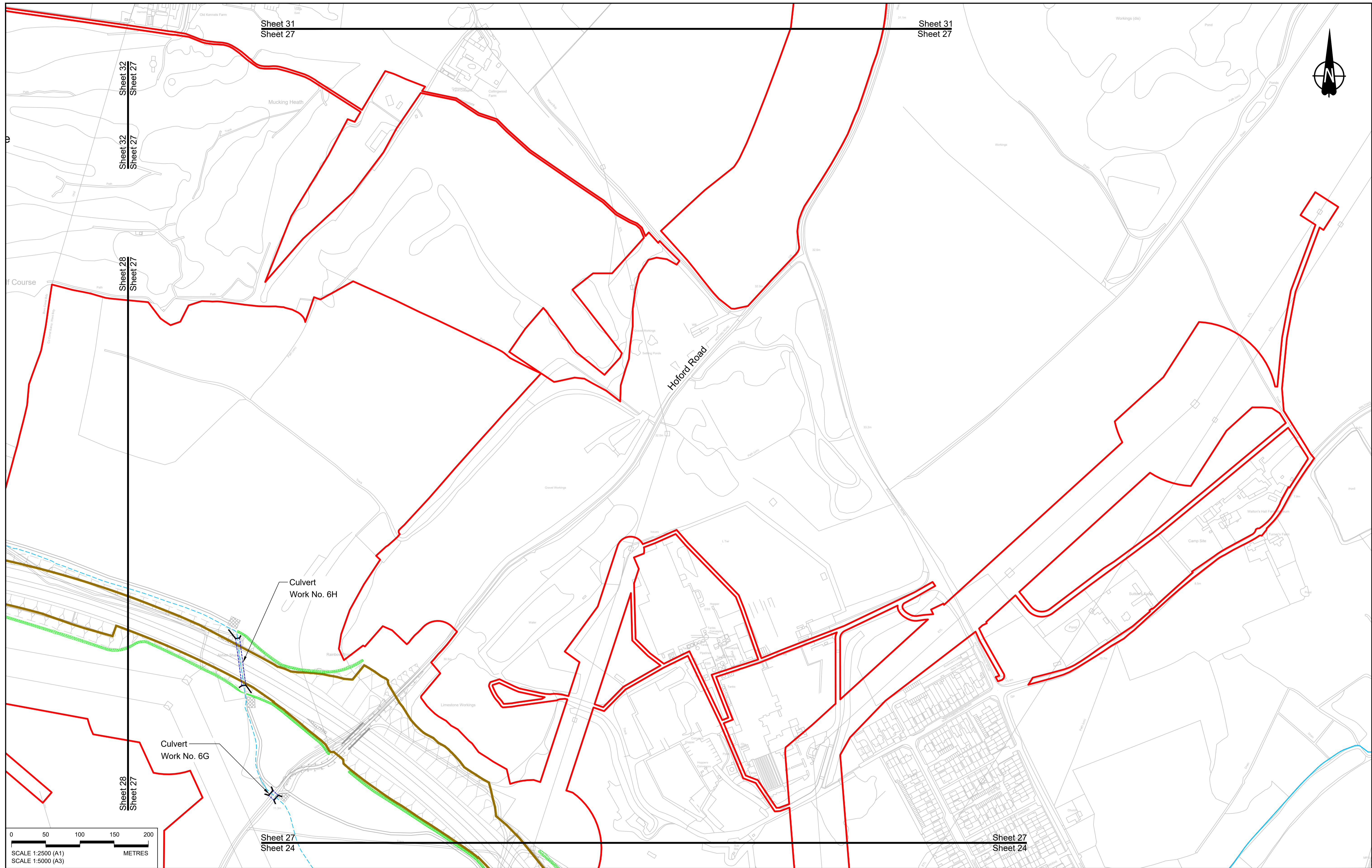
LEGEND:

| | | |
|--------------------------|---|---|
| BOUNDARIES | PROPOSED DRAINAGE | |
| Order Limits | Watercourse diversion | Ditch |
| Local Authority boundary | Infiltration basin, attenuation pond, infiltration pond | Culvert or pipe |
| Existing watercourse | Swale | P.S. Pumping station |
| | | Containment for contaminated water from tunnel low point sump |

Client: **national highways**

Project: **LOWER THAMES CROSSING**

| | | | |
|-----------------------------|--|---------------|----------|
| Status | DCO Application | Original Size | Revision |
| Application Document Number | TR010032/APP/2.16 | A1 | P01 |
| Drawing title | DRAINAGE PLANS REGULATION 5(2)(o) SHEET 26 | | |
| Drawing Number | HE540039-CJV-BOP-SZZ_DN100000_-DR-CD-10023 | | |
| | | Scale | 1:2500 |



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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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- Where proposed catchment areas boundaries overlap with each other or the Order Limits they are shown adjacent to each other or the Order Limit to provide greater visual clarity but these could extend to the boundary of other catchment areas or the Order Limits as well.

LEGEND:

BOUNDARIES

- Order Limits
- Local Authority boundary
- Existing watercourse

PROPOSED DRAINAGE

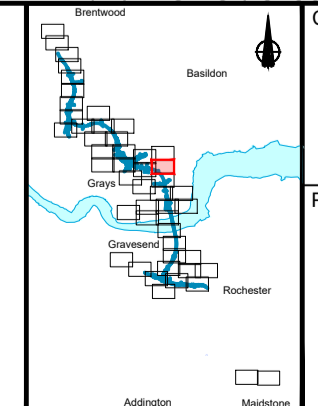
- Watercourse diversion
- Infiltration basin, attenuation pond, infiltration pond
- Swale

CATCHMENT AREAS AND OUTFALLS

- Ditch
- Culvert or pipe
- P.s.
- Pumping station
- Containment for contaminated water from tunnel low point sump

CATCHMENT AREAS AND OUTFALLS

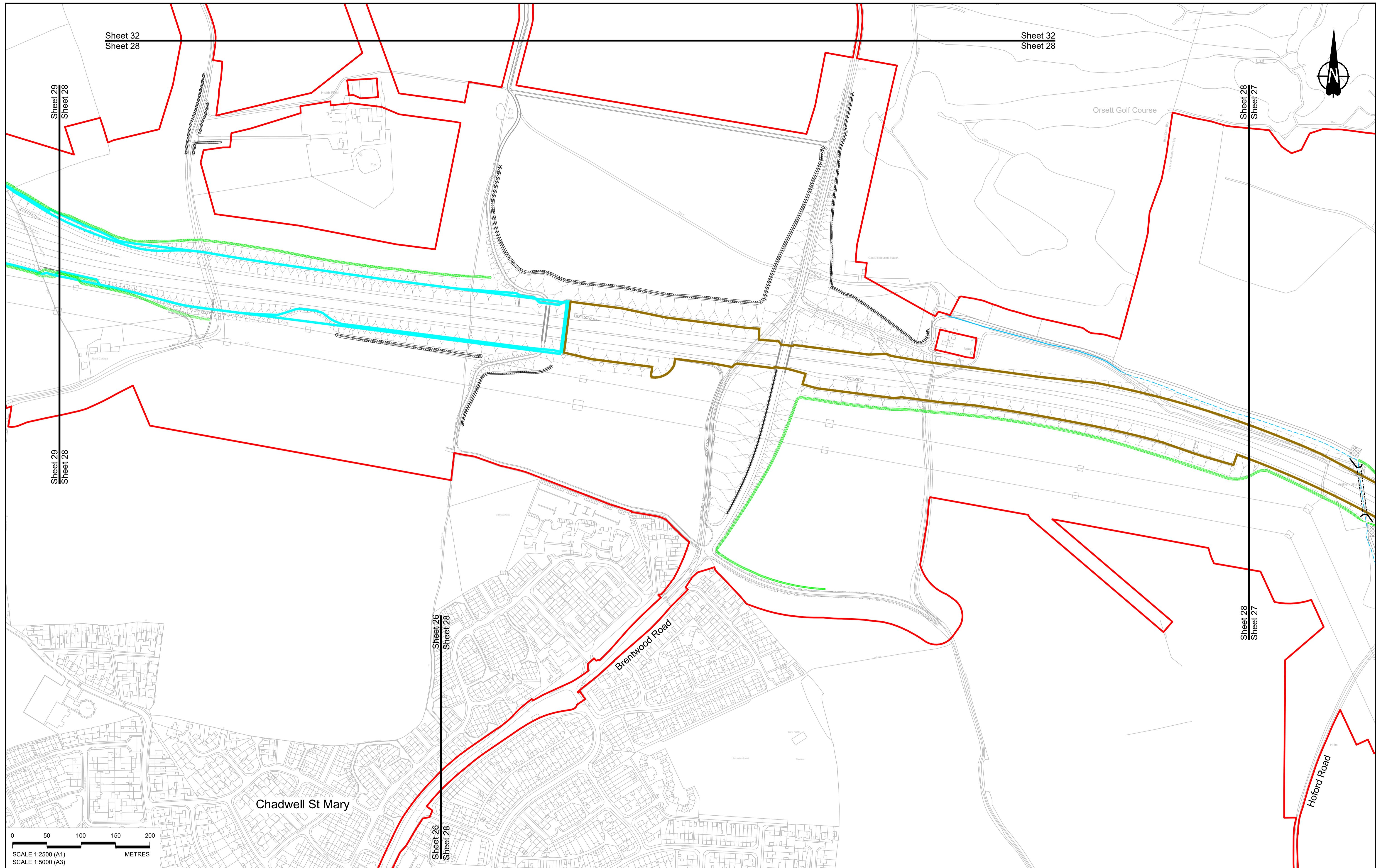
- Catchment for Work No. 6E



Client: **national highways**

Project: **LOWER THAMES CROSSING**

| | | | |
|-----------------------------|---|---------------|----------|
| Status | DCO Application | Original Size | Revision |
| Application Document Number | TR010032/APP/2.16 | A1 | P01 |
| Drawing title | DRAINAGE PLANS REGULATION 5(2)(o) SHEET 27 | | |
| Drawing Number | HE540039-CJV-BOP-SZZ_DN100000_-DR-CD-10024 | | |
| | | Scale | 1:2500 |



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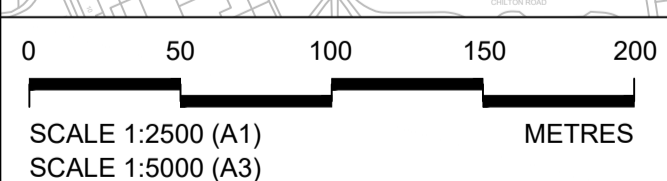
Sheet 28
Sheet 27

Sheet 26
Sheet 28

Chadwell St Mary

Brentwood Road

Hoford Road

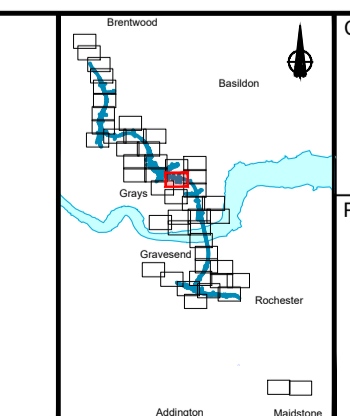


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|--|--------|------------|---------------------|-------|---------|---------|
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| P01 | SB | 19/10/2022 | DCO Application | LY | BB | ASB |
| Rev | Status | Rev. Date | Purpose of revision | Drawn |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

NOTES:
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 3. Where proposed catchment areas boundaries overlap with each other or the Order Limits they are shown adjacent to each other or the Order Limit to provide greater visual clarity but these could extend to the boundary of other catchment areas or the Order Limits as well.

LEGEND:

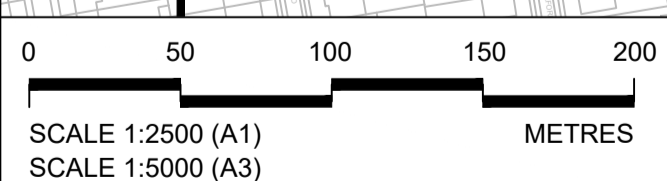
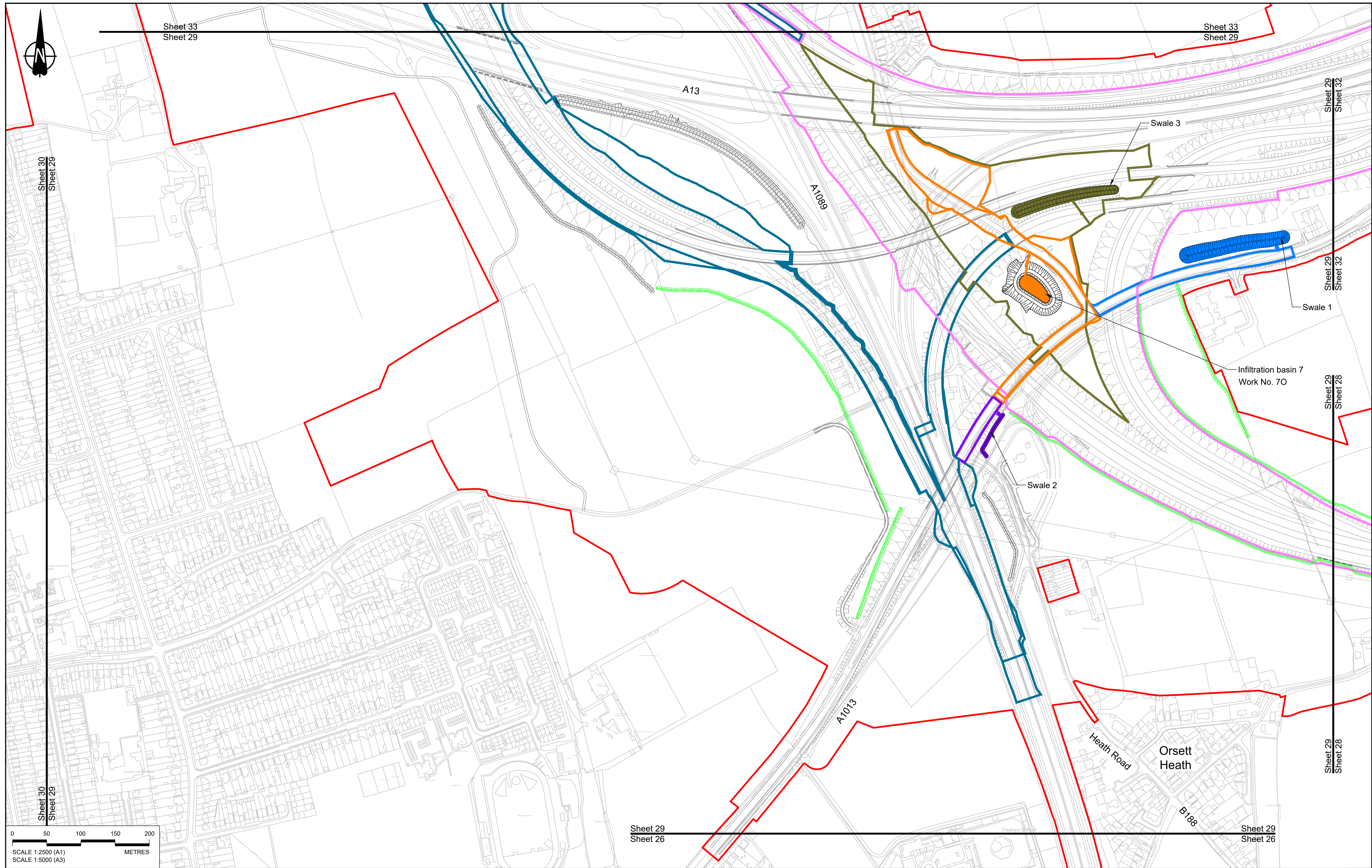
| | | |
|--|---|--|
| BOUNDARIES | PROPOSED DRAINAGE | CATCHMENT AREAS AND OUTFALLS |
| <ul style="list-style-type: none"> — Order Limits Local Authority boundary — Existing watercourse | <ul style="list-style-type: none"> Watercourse diversion Infiltration basin, attenuation pond, infiltration pond Swale Ditch Culvert or pipe P.S. Pumping station Containment for contaminated water from tunnel low point sump | <ul style="list-style-type: none"> Catchment for Work No. 6E Catchment for Work No. 8F |



Client: **national highways**

Project: **LOWER THAMES CROSSING**

| | | | | | |
|-----------------------------|---|---------------|--------|----------|-----|
| Status | DCO Application | Original Size | A1 | Revision | P01 |
| Application Document Number | TR010032/APP/2.16 | Scale | 1:2500 | | |
| Drawing title | DRAINAGE PLANS REGULATION 5(2)(o) SHEET 28 | | | | |
| Drawing Number | HE540039-CJV-BOP-SZZ_DN100000_-DR-CD-10025 | | | | |



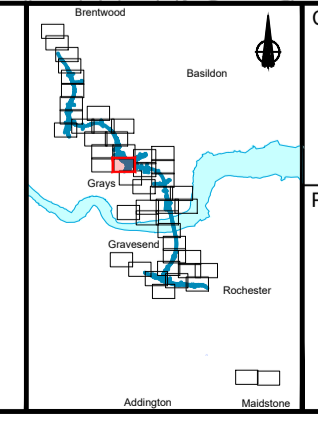
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| P01 | SB | 19/10/2022 | DCO Application | LY | BB ASB |
| Rev | Status | Rev. Date | Purpose of revision | Drawn | Chck'd/ Apprv'd |

NOTES:

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LEGEND:

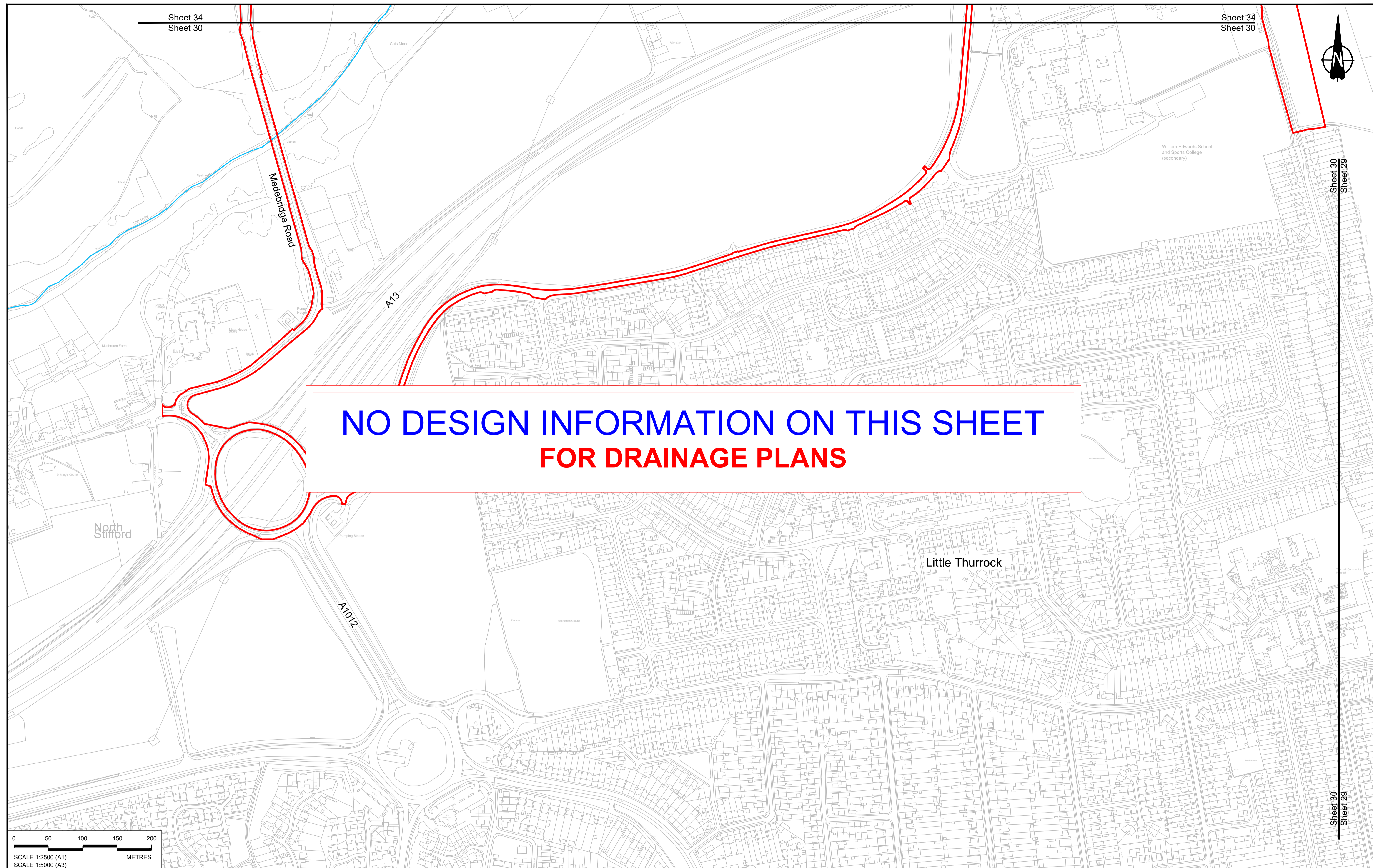
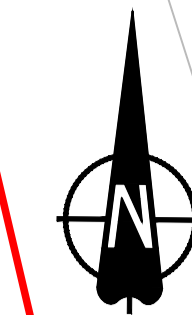
| | | |
|--------------------------|---|-------------------------------------|
| BOUNDARIES | PROPOSED DRAINAGE | CATCHMENT AREAS AND OUTFALLS |
| Order Limits | Watercourse diversion | Catchment for Work No. 8F |
| Local Authority boundary | Infiltration basin, attenuation pond, infiltration pond | Catchment for Work No. 8E |
| Existing watercourse | Swale | Catchment for Work No. 70 |
| | Ditch | Outfall to Work No. 70 |
| | Culvert or pipe | Outfall to Swale 1 |
| | P.S. Pumping station | Catchment for Swale 1 |
| | Containment for contaminated water from tunnel low point sump | Outfall to Swale 2 |
| | | Catchment for Swale 2 |
| | | Outfall to Swale 3 |
| | | Catchment for Swale 3 |



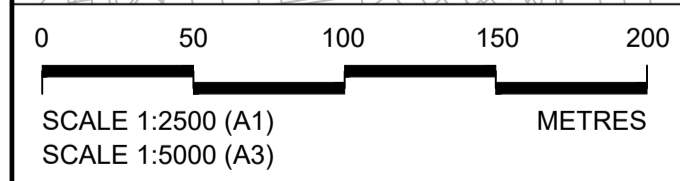
Client: **national highways**

Project: **LOWER THAMES CROSSING**

| | | | |
|-----------------------------|---|---------------|----------|
| Status | DCO Application | Original Size | Revision |
| Application Document Number | TR010032/APP/2.16 | A1 | P01 |
| Drawing title | DRAINAGE PLANS REGULATION 5(2)(o) SHEET 29 | | |
| Drawing Number | HE540039-CJV-BOP-SZZ_DN100000_-DR-CD-10026 | | |
| | | Scale | 1:2500 |



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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:

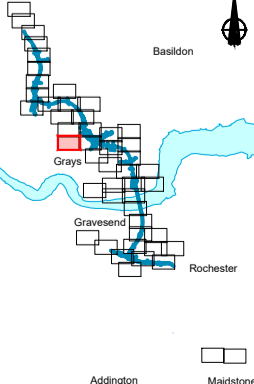
- The proposed works shown are illustrative only and will be subject to change as part of detailed design development. Any changes will be limited to being within the constraints included in the Development Consent Order (application document reference TR010032/APP/3.1).
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LEGEND:

| | | |
|--------------------------|---|---|
| BOUNDARIES | PROPOSED DRAINAGE | |
| Order Limits | Watercourse diversion | Ditch |
| Local Authority boundary | Infiltration basin, attenuation pond, infiltration pond | Culvert or pipe |
| Existing watercourse | Swale | P.S. Pumping station |
| | | Containment for contaminated water from tunnel low point sump |



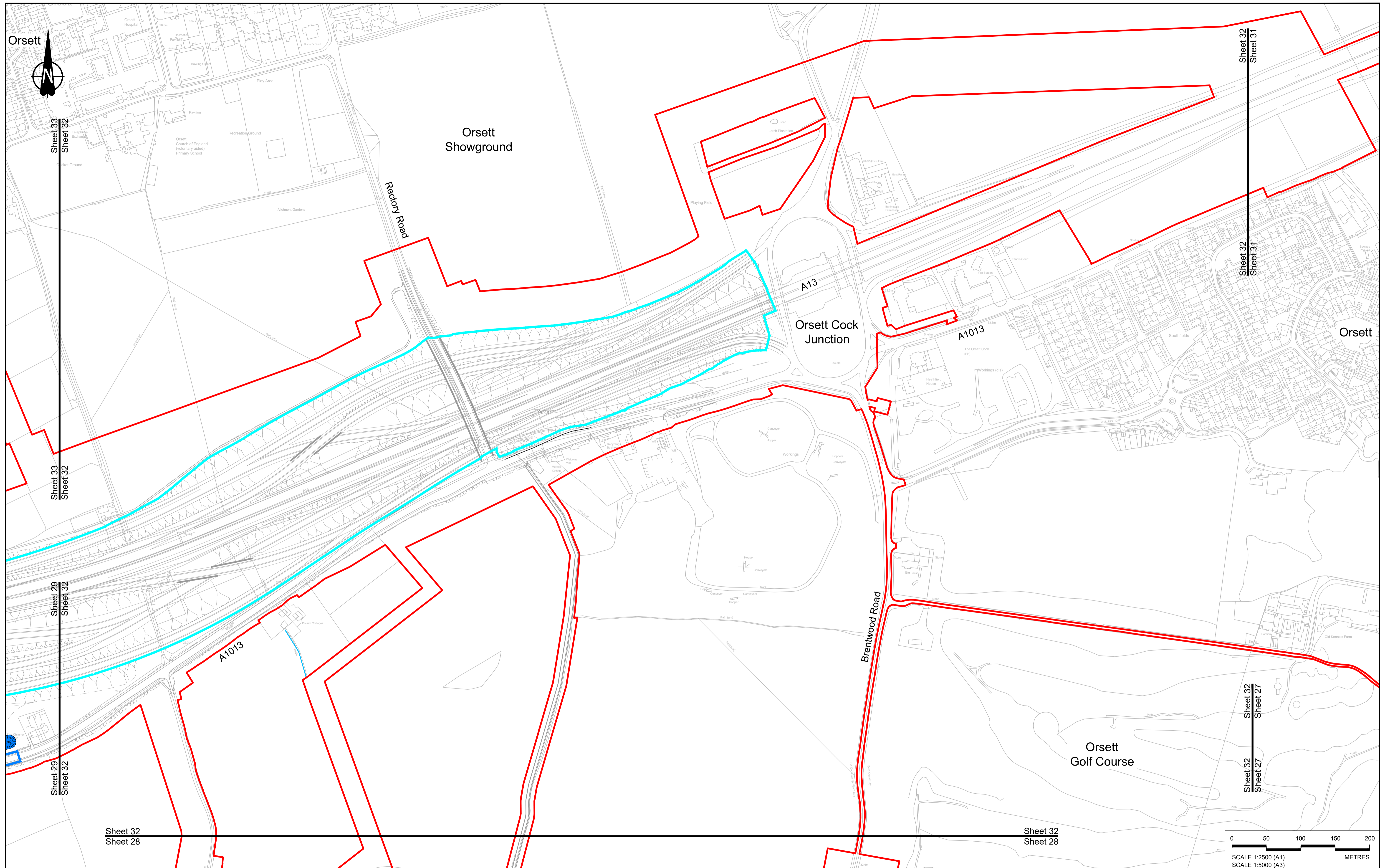
Client



Project

LOWER THAMES CROSSING

| | | | |
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| Status | DCO Application | Original Size | Revision |
| Application Document Number | TR010032/APP/2.16 | A1 | P01 |
| Drawing title | DRAINAGE PLANS REGULATION 5(2)(o) SHEET 30 | | |
| Drawing Number | HE540039-CJV-BOP-SZZ_DN100000 -DR-CD-10027 | | |
| | | Scale | 1:2500 |



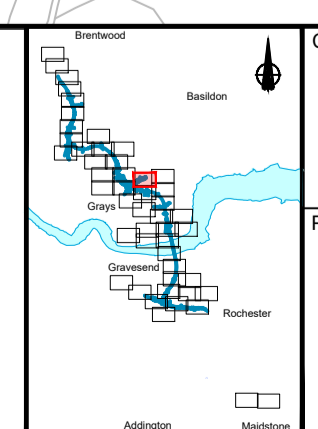
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|--|--------|------------|---------------------|-------|--------|---------|
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| P01 | SB | 19/10/2022 | DCO Application | LY | BB | ASB |
| Rev | Status | Rev. Date | Purpose of revision | Drawn |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

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LEGEND:

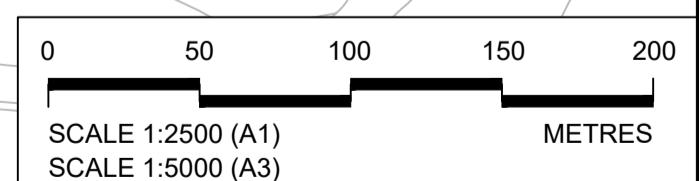
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|--------------------------------|---|-------------------------------------|
| BOUNDARIES | PROPOSED DRAINAGE | CATCHMENT AREAS AND OUTFALLS |
| — Order Limits | --- Watercourse diversion | — Catchment for Work No. 8F |
| - - - Local Authority boundary | — Infiltration basin, attenuation pond, infiltration pond | |
| — Existing watercourse | — Swale | |
| | — Ditch | |
| | — Culvert or pipe | |
| | — P.S. Pumping station | |
| | — Containment for contaminated water from tunnel low point sump | |

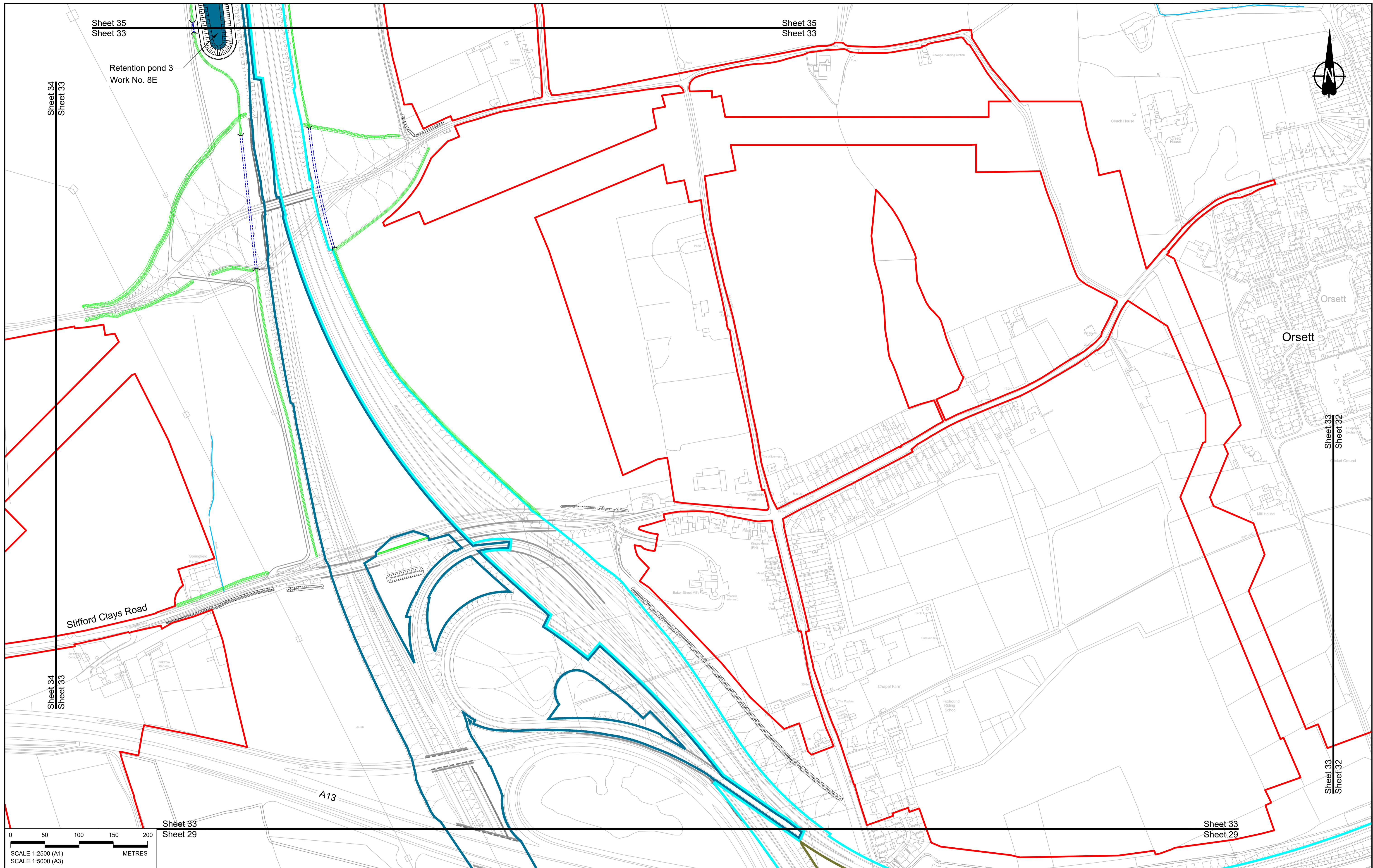


national highways

Project: **LOWER THAMES CROSSING**

| | | | |
|-----------------------------|---|---------------|----------|
| Status | DCO Application | Original Size | Revision |
| Application Document Number | TR010032/APP/2.16 | A1 | P01 |
| Drawing title | DRAINAGE PLANS REGULATION 5(2)(o) SHEET 32 | | |
| Drawing Number | HE540039-CJV-BOP-SZZ_DN100000_-DR-CD-10029 | | |
| | | Scale | 1:2500 |





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Retention pond 3
Work No. 8E

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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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LEGEND:

BOUNDARIES

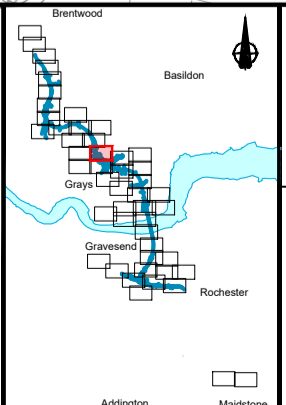
- Order Limits
- Local Authority boundary
- Existing watercourse

PROPOSED DRAINAGE

- Watercourse diversion
- Infiltration basin, attenuation pond, infiltration pond
- Swale
- Ditch
- Culvert or pipe
- P.S. Pumping station
- Containment for contaminated water from tunnel low point sump

CATCHMENT AREAS AND OUTFALLS

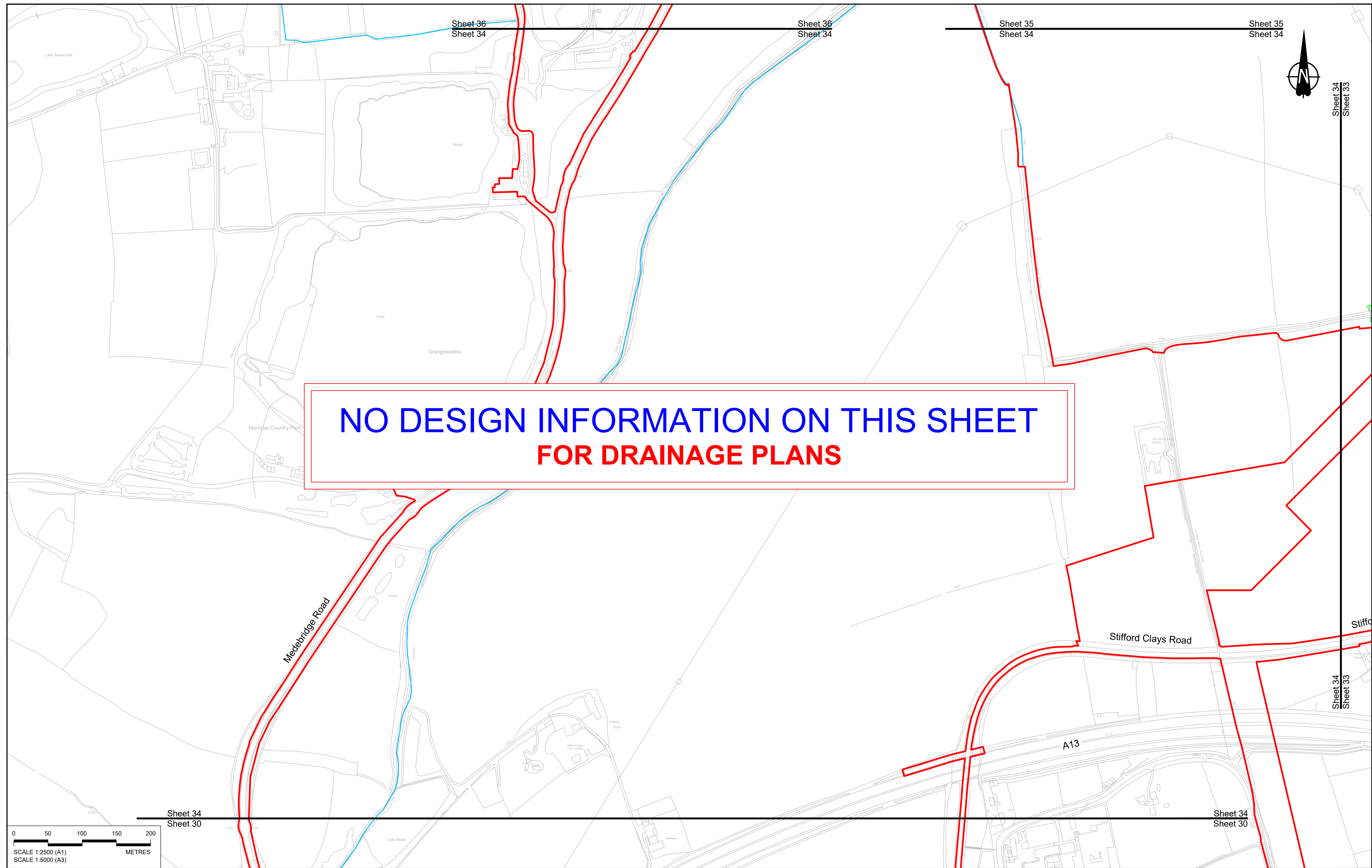
- Catchment for Work No. 8F
- Catchment for Work No. 8E



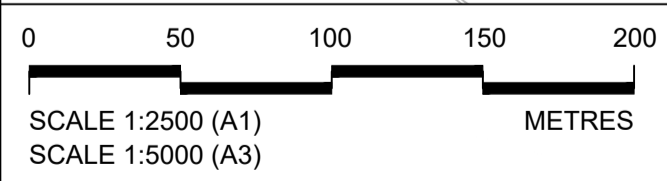
Client
national highways

Project
LOWER THAMES CROSSING

| | | | | | |
|-----------------------------|---|---------------|--------|----------|-----|
| Status | DCO Application | Original Size | A1 | Revision | P01 |
| Application Document Number | TR010032/APP/2.16 | Scale | 1:2500 | | |
| Drawing title | DRAINAGE PLANS REGULATION 5(2)(o) SHEET 33 | | | | |
| Drawing Number | HE540039-CJV-BOP-SZZ_DN100000_-DR-CD-10030 | | | | |



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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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| | | | |
|--------------------------|---|---|-----------------|
| BOUNDARIES | | PROPOSED DRAINAGE | |
| Order Limits | Watercourse diversion | Ditch | Culvert or pipe |
| Local Authority boundary | Infiltration basin, attenuation pond, infiltration pond | P.S. | Pumping station |
| Existing watercourse | Swale | Containment for contaminated water from tunnel low point sump | |

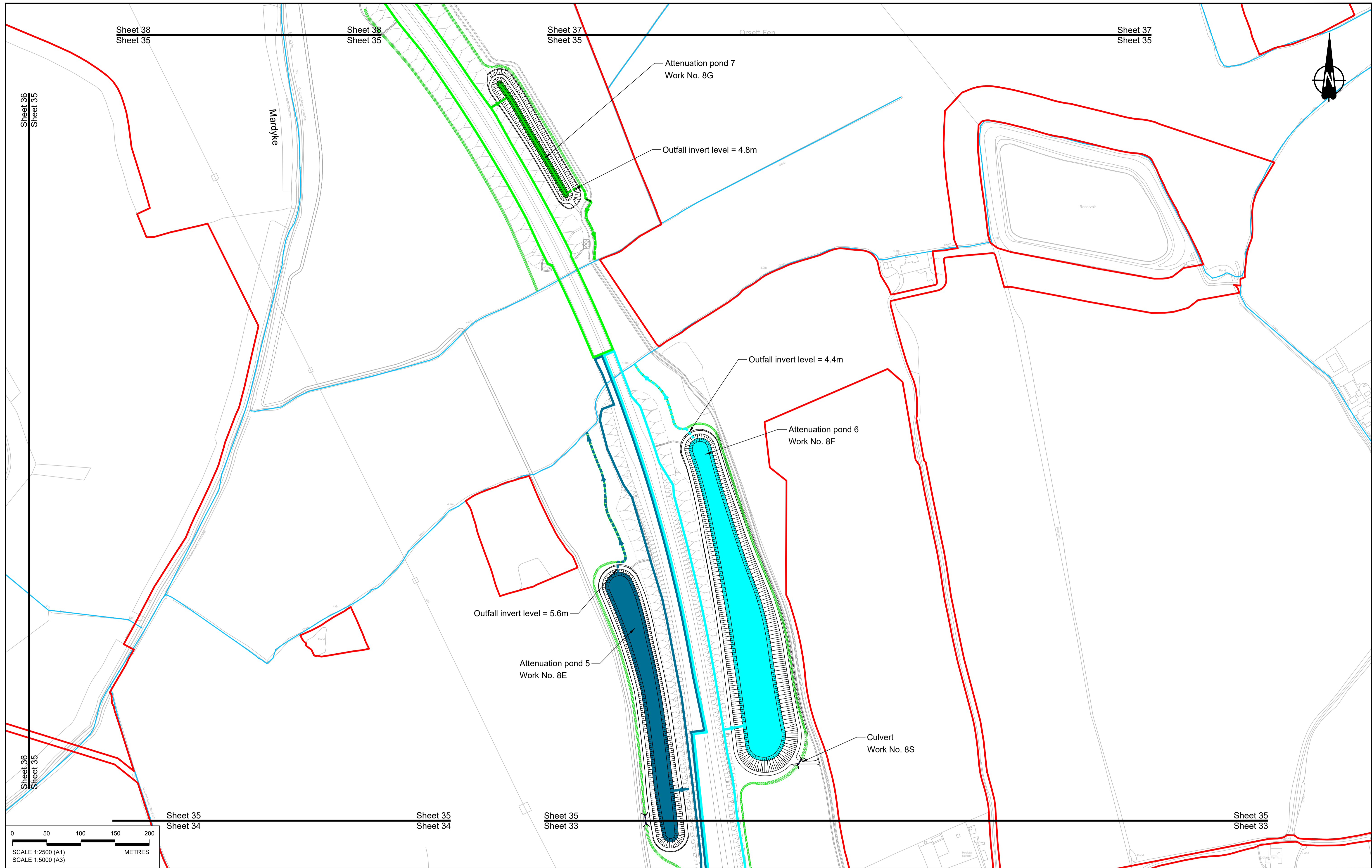
Client

Project

LOWER THAMES CROSSING

| | | | |
|-----------------------------|---|---------------|----------|
| Status | DCO Application | Original Size | Revision |
| Application Document Number | TR010032/APP/2.16 | A1 | P01 |
| Drawing title | DRAINAGE PLANS REGULATION 5(2)(o) SHEET 34 | | |
| Drawing Number | HE540039-CJV-BOP-SZZ_DN100000_-DR-CD-10031 | | |

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|-------|--------|
| Scale | 1:2500 |
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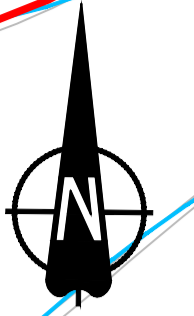
Sheet 36
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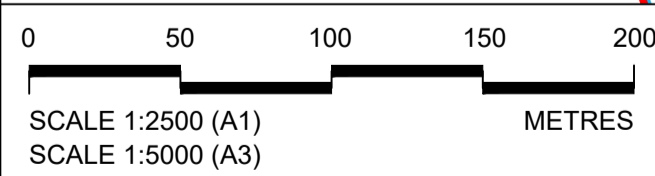


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| P01 | SB | 19/10/2022 | DCO Application | LY | BB | ASB |
| Rev | Status | Rev. Date | Purpose of revision | Drawn | Chck'd | Apprv'd |

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LEGEND:

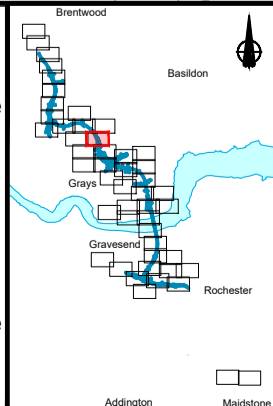
- BOUNDARIES**
- Order Limits
 - - - Local Authority boundary
 - Existing watercourse

- PROPOSED DRAINAGE**
- - - Watercourse diversion
 - Infiltration basin, attenuation pond, infiltration pond
 - Swale

- Ditch
- Culvert or pipe
- P.S. Pumping station
- Containment for contaminated water from tunnel low point sump

- CATCHMENT AREAS AND OUTFALLS**
- Catchment for Work No. 8F
 - - - Outfall to Work No. 8F
 - - - Discharge to existing drainage network or watercourse for Work No. 8F
 - Catchment for Work No. 8E
 - - - Outfall to Work No. 8E

- - - Discharge to existing drainage network or watercourse for Work No. 8E
- Catchment for Work No. 8G
- - - Outfall to Work No. 8G
- - - Discharge to existing drainage network or watercourse for Work No. 8G



Client: **national highways**

Project: **LOWER THAMES CROSSING**

| | | | |
|-----------------------------|--|---------------|----------|
| Status | DCO Application | Original Size | Revision |
| Application Document Number | TR010032/APP/2.16 | A1 | P01 |
| Drawing title | DRAINAGE PLANS REGULATION 5(2)(o) SHEET 35 | | |
| Drawing Number | HE540039-CJV-BOP-SZZ_DN100000 -DR-CD-10032 | | |
| | | Scale | 1:2500 |

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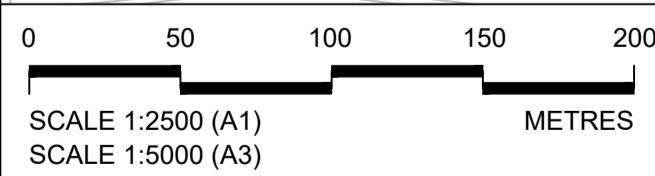
Sheet 38
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LEGEND:

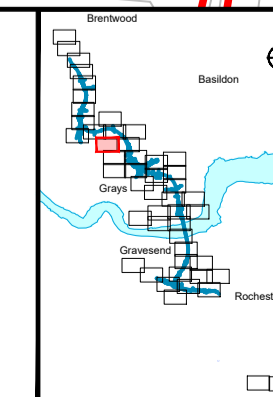
BOUNDARIES

- Order Limits
- Local Authority boundary
- Existing watercourse

PROPOSED DRAINAGE

- Watercourse diversion
- Infiltration basin, attenuation pond, infiltration pond
- Swale
- Ditch
- Culvert or pipe
- P. S. Pumping station
- Containment for contaminated water from tunnel low point sump

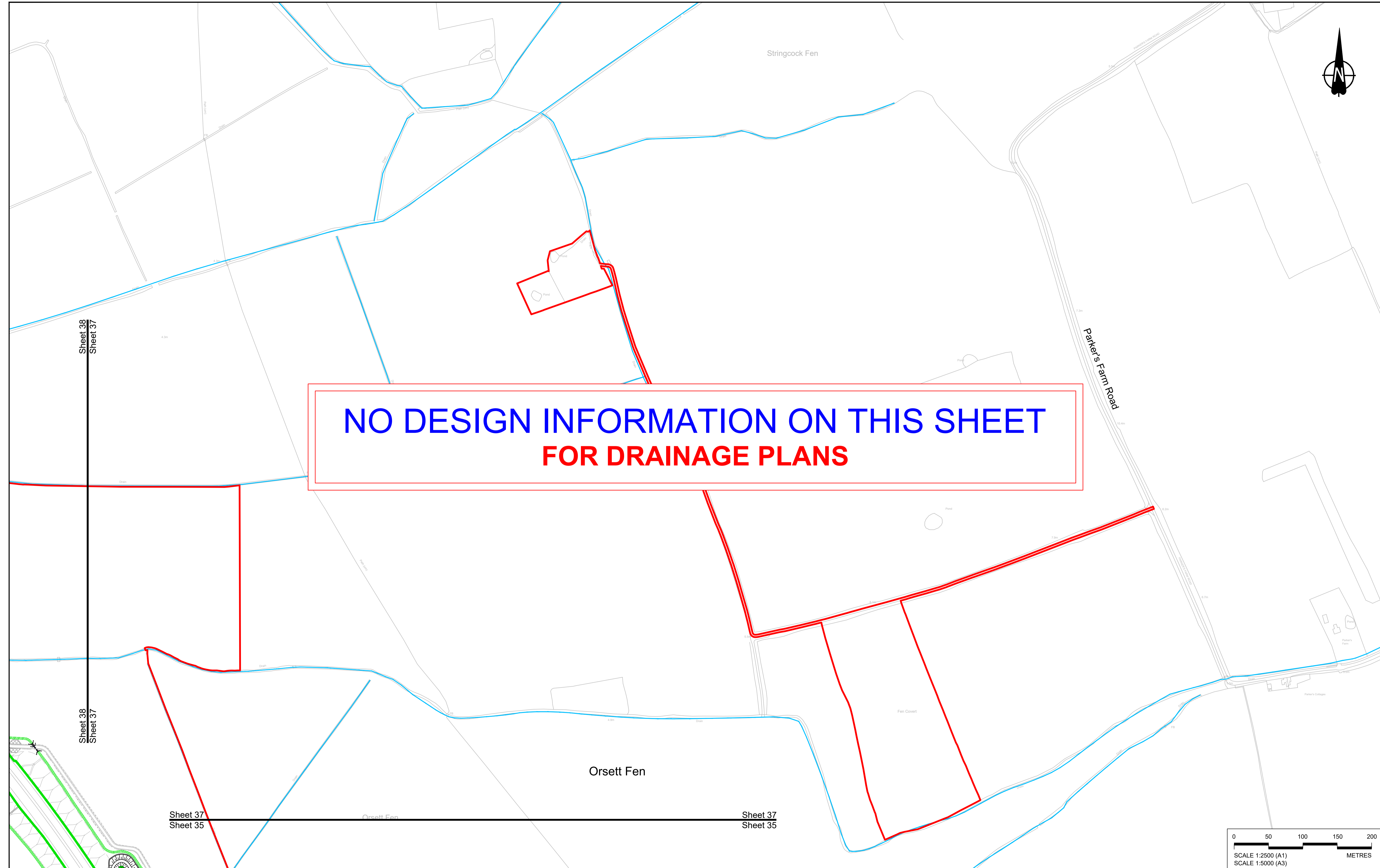
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|-----|--------|------------|---------------------|-------|---------|---------|
| P01 | SB | 19/10/2022 | DCO Application | LY | BB | ASB |
| Rev | Status | Rev. Date | Purpose of revision | Drawn | Check'd | Apprv'd |



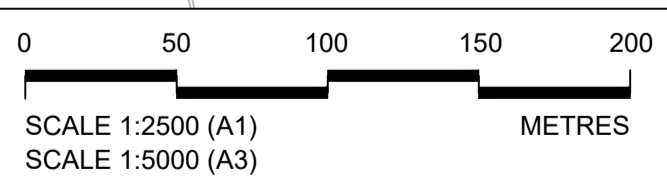
Client: **national highways**

Project: **LOWER THAMES CROSSING**

| | | | |
|-----------------------------|--|---------------|----------|
| Status | DCO Application | Original Size | Revision |
| Application Document Number | TR010032/APP/2.16 | A1 | P01 |
| Drawing title | DRAINAGE PLANS REGULATION 5(2)(o) SHEET 36 | | |
| Drawing Number | HE540039-CJV-BOP-SZZ_DN100000_-DR-CD-10033 | | |
| | | Scale | 1:2500 |



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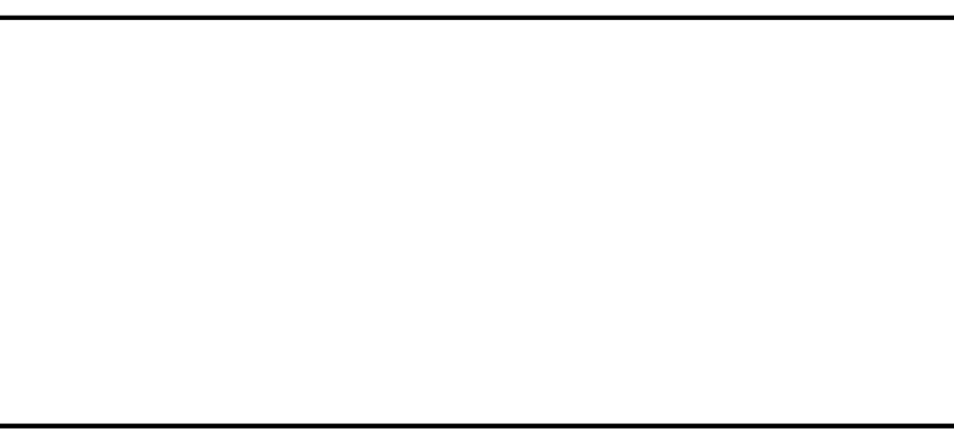
| Rev | Status | Rev. Date | Purpose of revision | Drawn | Chkd | Apprvd |
|-----|--------|------------|---------------------|-------|------|--------|
| P01 | S8 | 19/10/2022 | DCO Application | LY | BB | ASB |

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- Where proposed catchment areas boundaries overlap with each other or the Order Limits they are shown adjacent to each other or the Order Limit to provide greater visual clarity but these could extend to the boundary of other catchment areas or the Order Limits as well.

LEGEND:

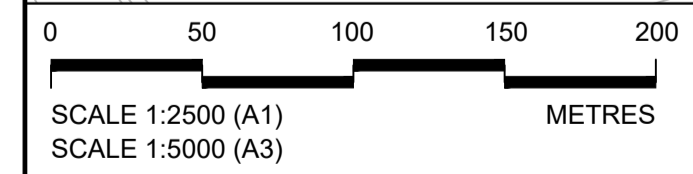
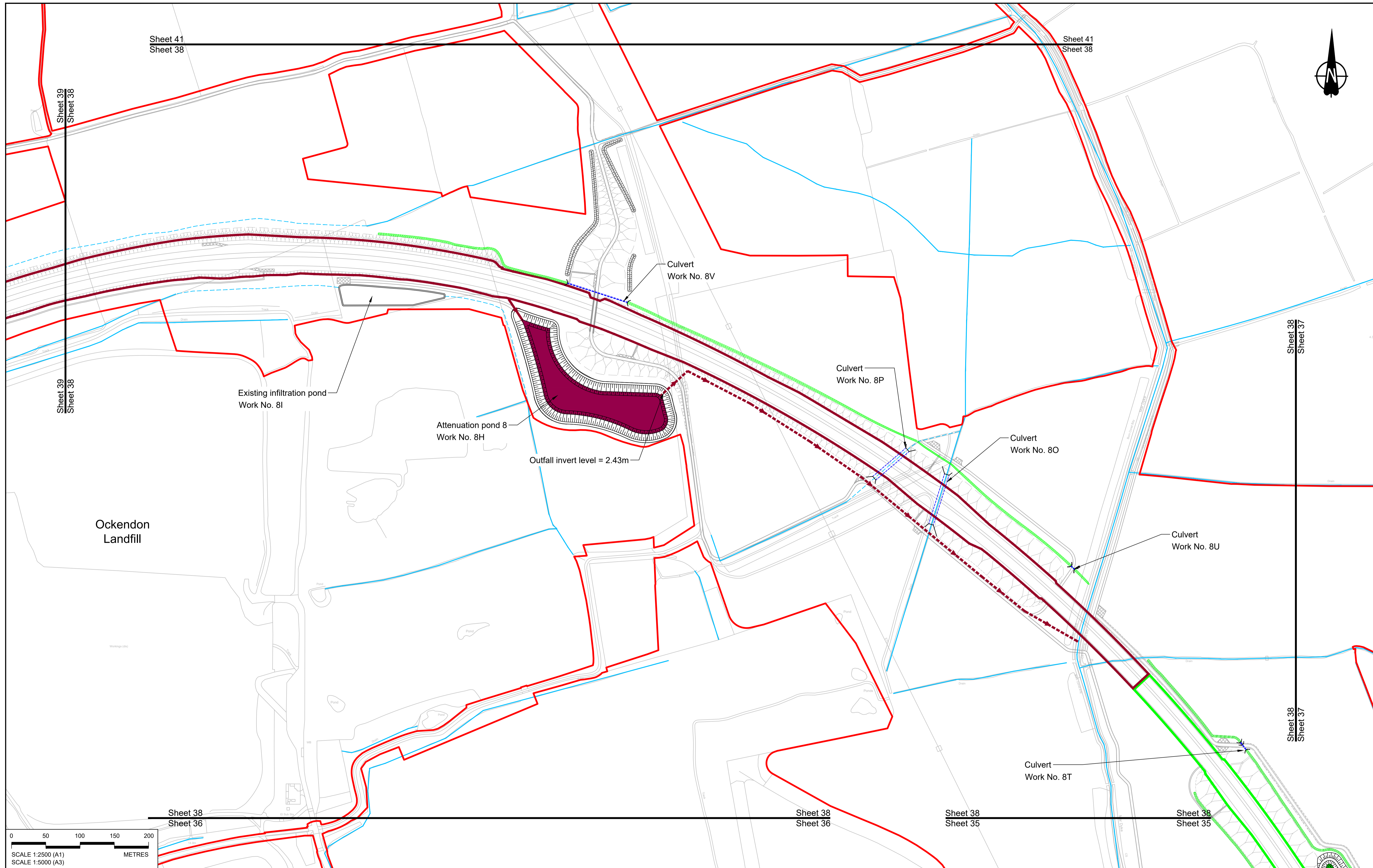
| | | |
|--------------------------------|---|---|
| BOUNDARIES | PROPOSED DRAINAGE | OTHER FEATURES |
| — Order Limits | --- Watercourse diversion | — Ditch |
| - - - Local Authority boundary | --- Infiltration basin, attenuation pond, infiltration pond | --- Culvert or pipe |
| — Existing watercourse | --- Swale | ■ P.S. Pumping station |
| | | ■ Containment for contaminated water from tunnel low point sump |



Client: **national highways**

Project: **LOWER THAMES CROSSING**

| | | | | | |
|-----------------------------|---|---------------|--------|----------|-----|
| Status | DCO Application | Original Size | A1 | Revision | P01 |
| Application Document Number | TR010032/APP/2.16 | Scale | 1:2500 | | |
| Drawing title | DRAINAGE PLANS REGULATION 5(2)(o) SHEET 37 | | | | |
| Drawing Number | HE540039-CJV-BOP-SZZ_DN100000_-DR-CD-10034 | | | | |



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NOTES:

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3. Where proposed catchment areas boundaries overlap with each other or the Order Limits they are shown adjacent to each other or the Order Limit to provide greater visual clarity but these could extend to the boundary of other catchment areas or the Order Limits as well.

LEGEND:

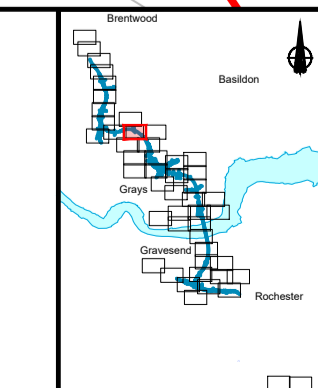
- BOUNDARIES**
- Order Limits
 - Local Authority boundary
 - Existing watercourse

- PROPOSED DRAINAGE**
- Watercourse diversion
 - Infiltration basin, attenuation pond, infiltration pond
 - Swale

- Ditch
- Culvert or pipe
- P.S. Pumping station
- Containment for contaminated water from tunnel low point sump

- CATCHMENT AREAS AND OUTFALLS**
- Catchment for Work No. 8G
 - Catchment for Work No. 8H
 - Outfall to Work No. 8H
 - Discharge to existing drainage network or watercourse for Work No. 8H

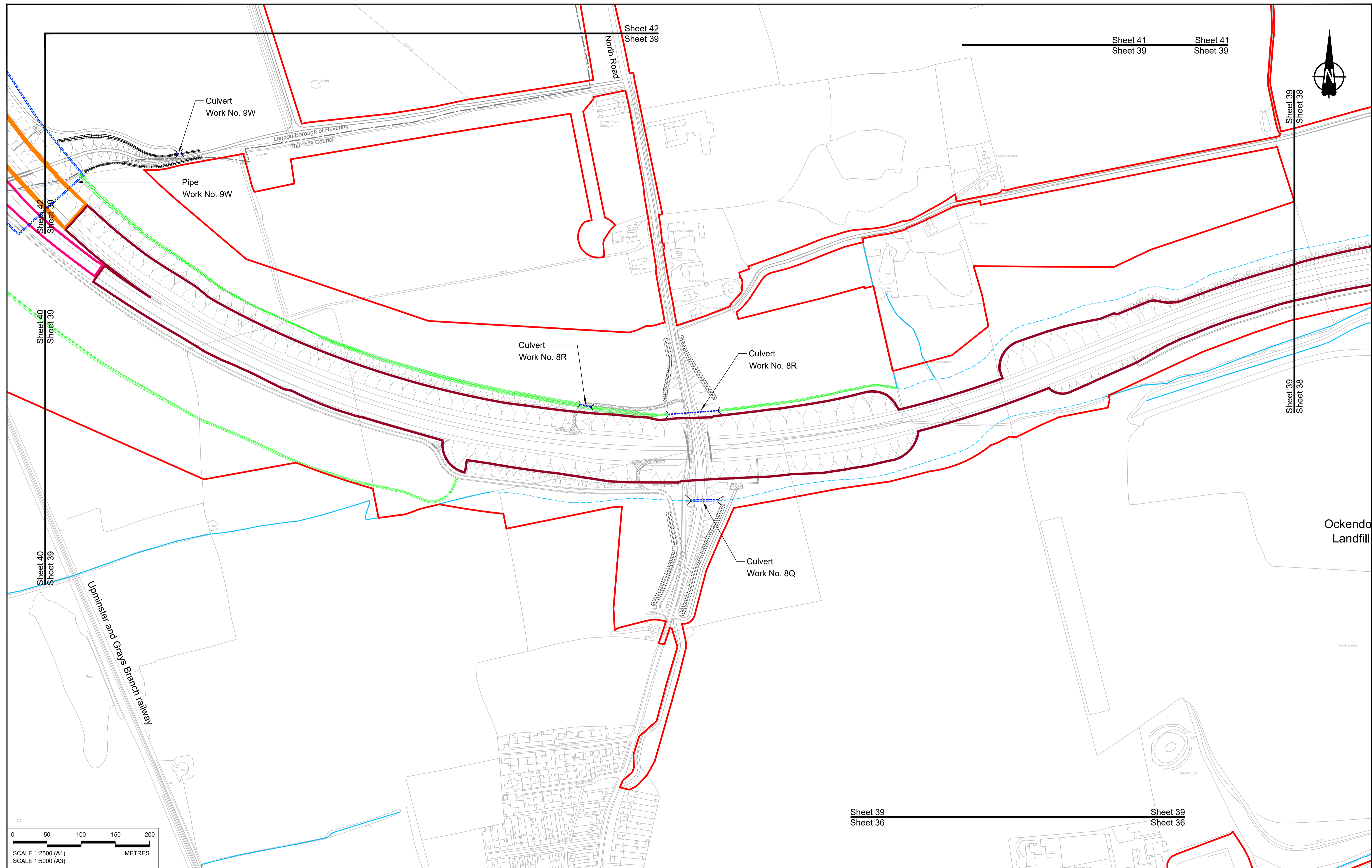
| | | | | | | |
|-----|--------|------------|---------------------|-------|--------|---------|
| P01 | SB | 19/10/2022 | DCO Application | LY | BB | ASB |
| Rev | Status | Rev. Date | Purpose of revision | Drawn | Chck'd | Apprv'd |



Client
national highways

Project
LOWER THAMES CROSSING

| | | | |
|-----------------------------|--|---------------|----------|
| Status | DCO Application | Original Size | Revision |
| Application Document Number | TR010032/APP/2.16 | A1 | P01 |
| Drawing title | DRAINAGE PLANS REGULATION 5(2)(o) SHEET 38 | | |
| Drawing Number | HE540039-CJV-BOP-SZZ_DN100000 -DR-CD-10035 | | |
| | | Scale | 1:2500 |



0 50 100 150 200 METRES

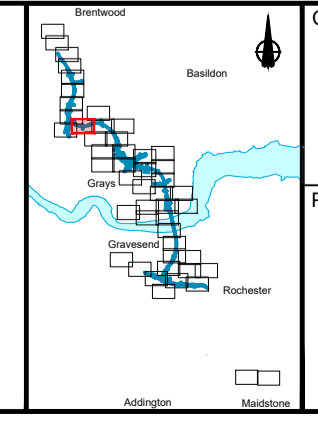
SCALE 1:2500 (A1)
SCALE 1:5000 (A3)

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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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- Where proposed catchment areas boundaries overlap with each other or the Order Limits they are shown adjacent to each other or the Order Limit to provide greater visual clarity but these could extend to the boundary of other catchment areas or the Order Limits as well.

| BOUNDARIES | | PROPOSED DRAINAGE | | CATCHMENT AREAS AND OUTFALLS | |
|------------|--------------------------|-------------------|---|------------------------------|---------------------------|
| | Order Limits | | Watercourse diversion | | Catchment for Work No. 8H |
| | Local Authority boundary | | Infiltration basin, attenuation pond, infiltration pond | | Catchment for Work No. 9Q |
| | Existing watercourse | | Swale | | Catchment for Work No. 9R |
| | | | | | |
| | | | | | |
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Client: **national highways**

Project: **LOWER THAMES CROSSING**

| | | | |
|-----------------------------|--|---------------|----------|
| Status | DCO Application | Original Size | Revision |
| Application Document Number | TR010032/APP/2.16 | A1 | P01 |
| Drawing title | DRAINAGE PLANS REGULATION 5(2)(o) SHEET 39 | | |
| Drawing Number | HE540039-CJV-BOP-SZZ_DN100000 -DR-CD-10036 | | |
| | | Scale | 1:2500 |

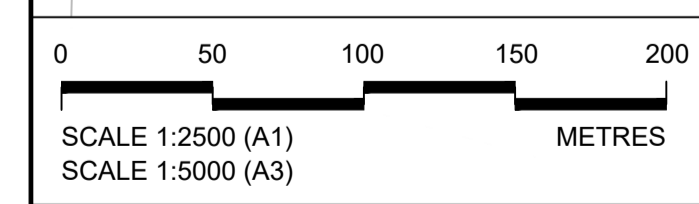
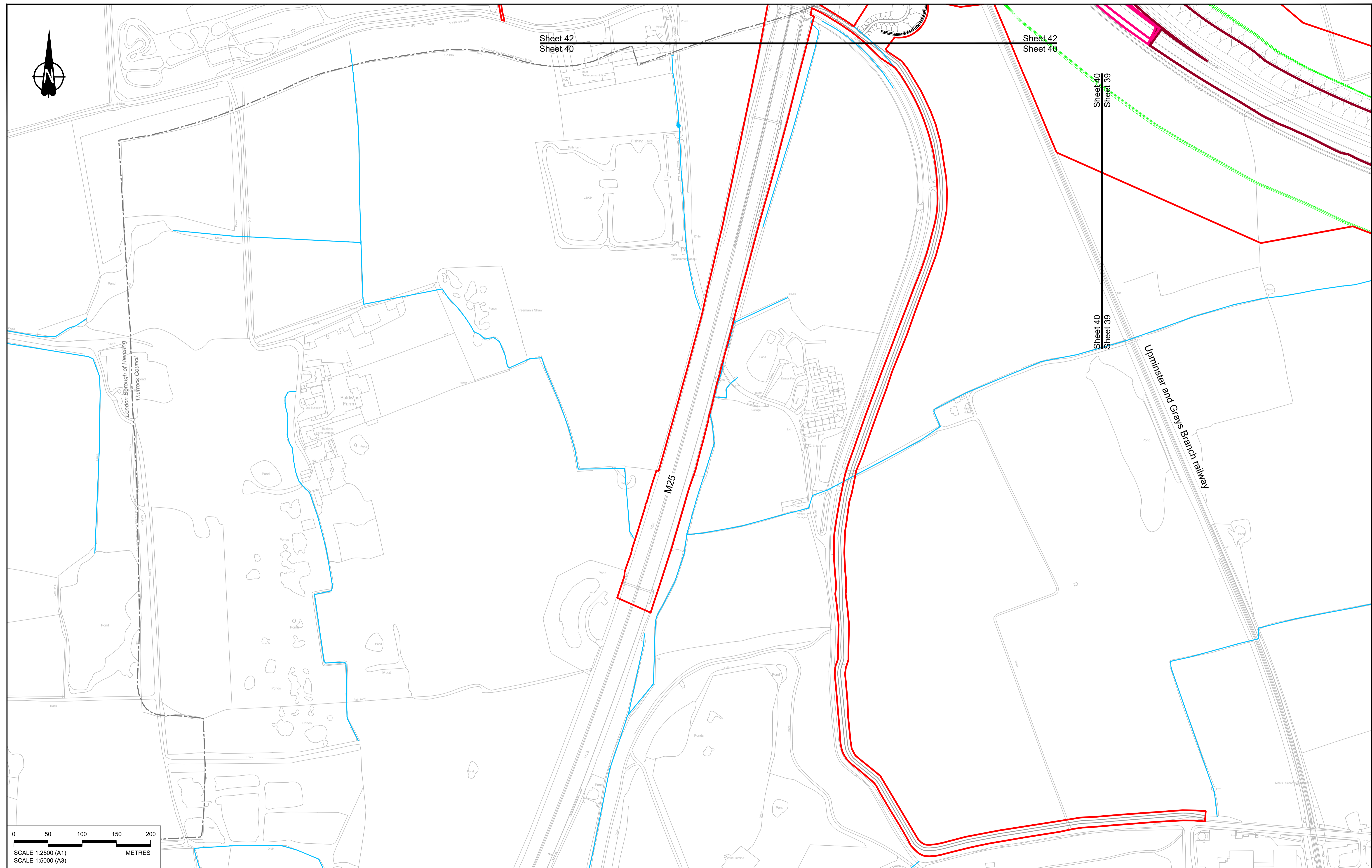


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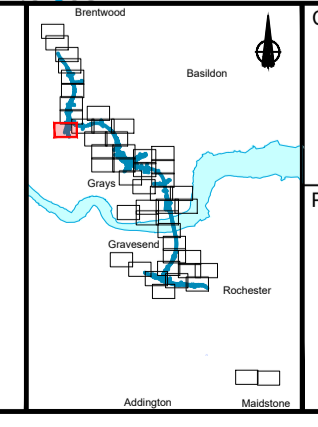
| P01 | SB | 19/10/2022 | DCO Application | LY | BB | ASB |
|-----|--------|------------|---------------------|-------|---------|---------|
| Rev | Status | Rev. Date | Purpose of revision | Drawn | Check'd | Apprv'd |

NOTES:

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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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LEGEND:

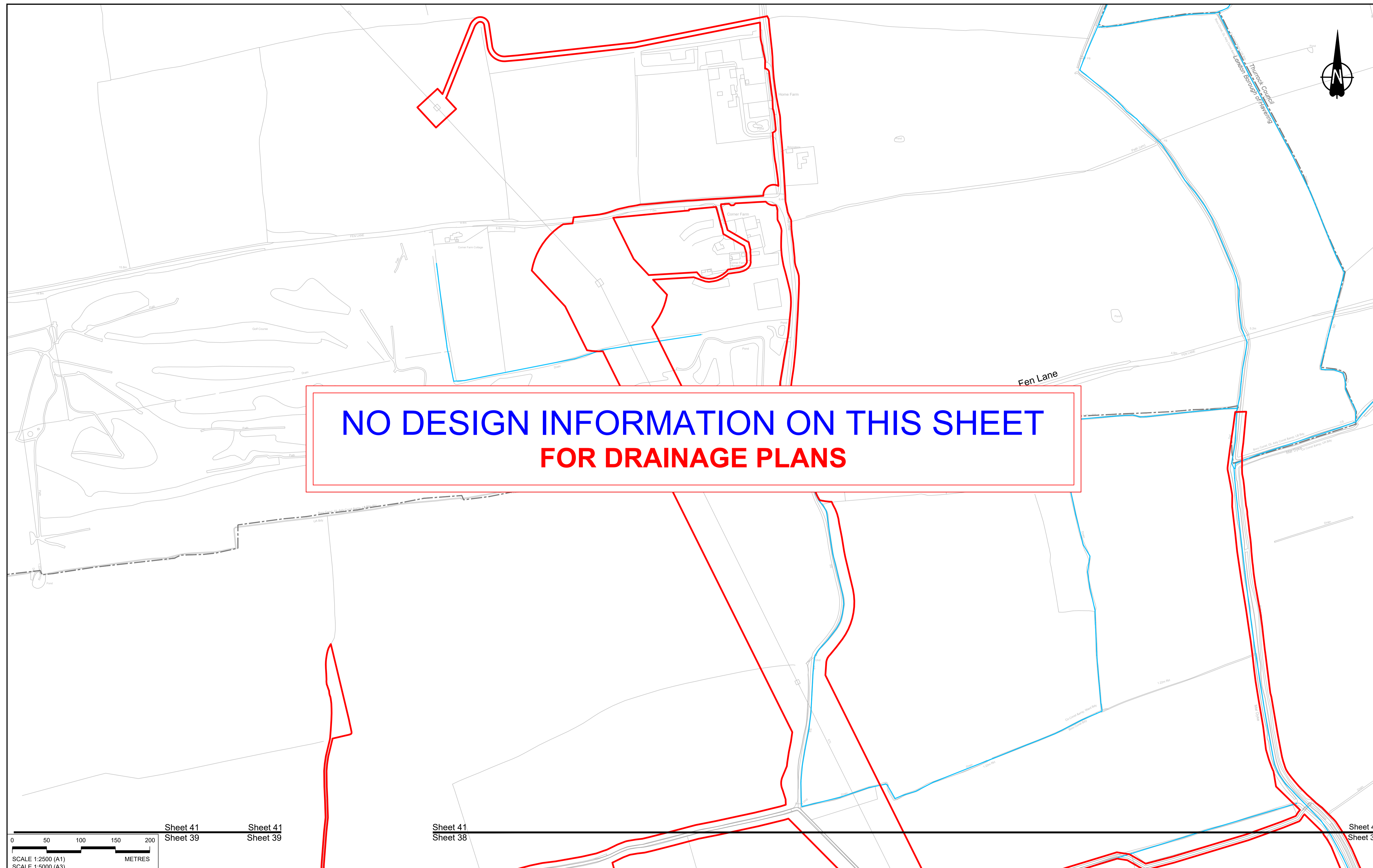
| BOUNDARIES | | PROPOSED DRAINAGE | |
|------------|--------------------------|-------------------|---|
| | Order Limits | | Watercourse diversion |
| | Local Authority boundary | | Infiltration basin, attenuation pond, infiltration pond |
| | Existing watercourse | | Swale |
| | | | Ditch |
| | | | Culvert or pipe |
| | | | Pumping station |
| | | | Containment for contaminated water from tunnel low point sump |



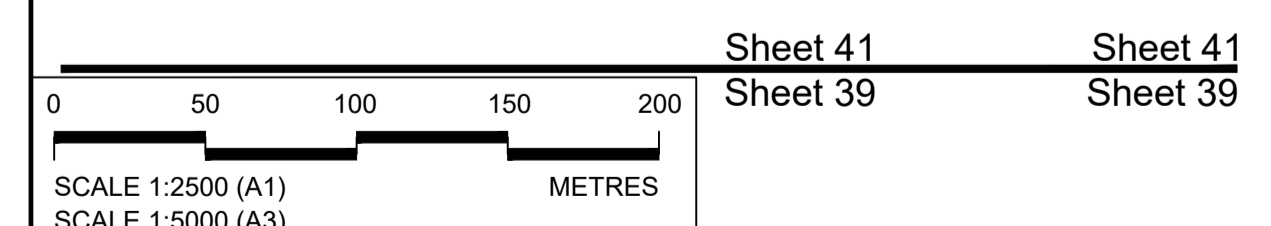
Client:

Project: **LOWER THAMES CROSSING**

| | | | | | |
|-----------------------------|---|---------------|--------|----------|-----|
| Status | DCO Application | Original Size | A1 | Revision | P01 |
| Application Document Number | TR010032/APP/2.16 | Scale | 1:2500 | | |
| Drawing title | DRAINAGE PLANS REGULATION 5(2)(o) SHEET 40 | | | | |
| Drawing Number | HE540039-CJV-BOP-SZZ_DN100000_-DR-CD-10037 | | | | |



**NO DESIGN INFORMATION ON THIS SHEET
FOR DRAINAGE PLANS**

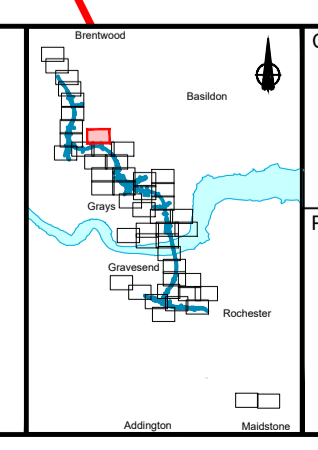


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|--|--------|------------|---------------------|-------|--------|---------|
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| P01 | SB | 19/10/2022 | DCO Application | LY | BB | ASB |
| Rev | Status | Rev. Date | Purpose of revision | Drawn |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

NOTES:

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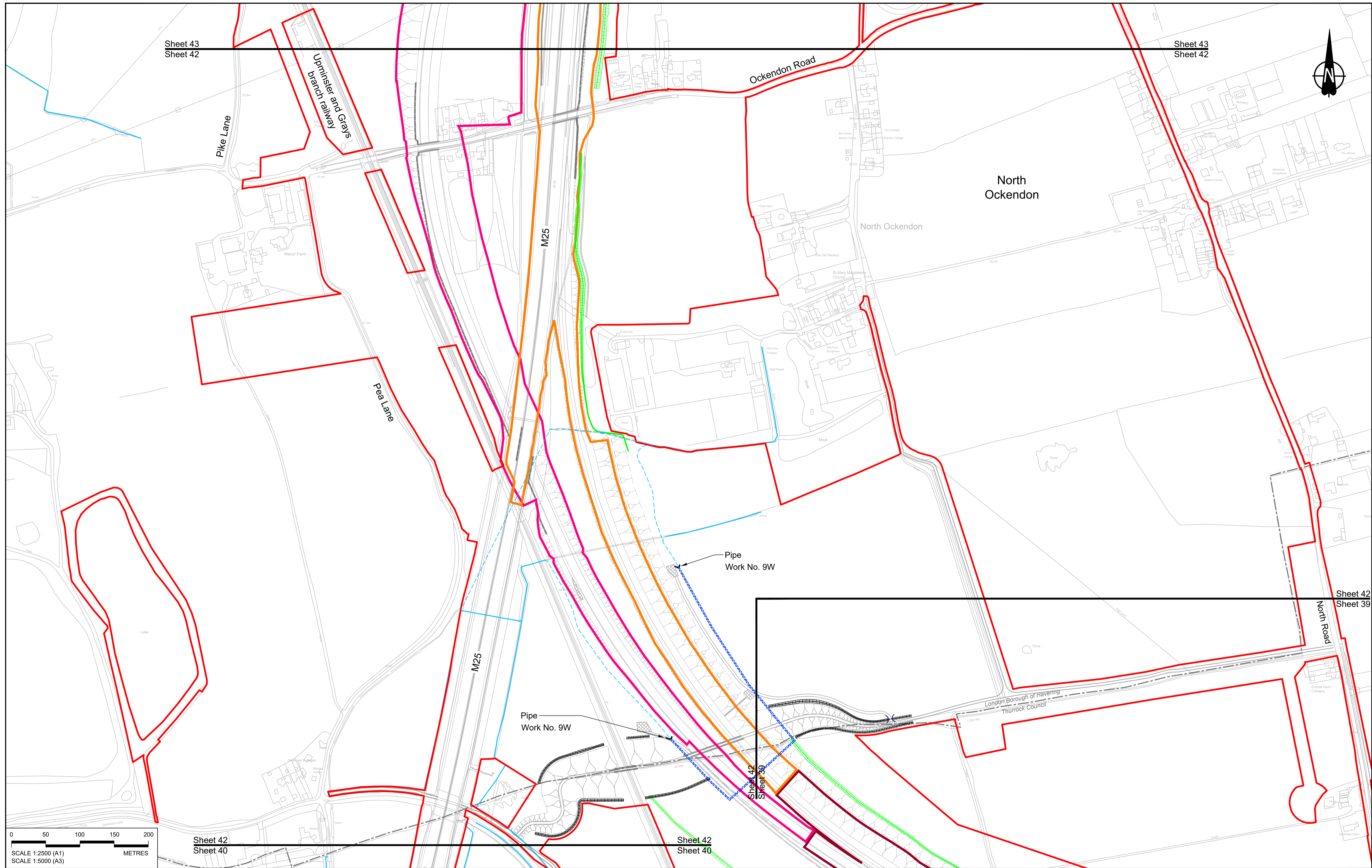
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|--------------------------|---|-----------------|
| LEGEND: | | |
| BOUNDARIES | | |
| | Order Limits | |
| | Local Authority boundary | |
| | Existing watercourse | |
| PROPOSED DRAINAGE | | |
| | Watercourse diversion | |
| | Infiltration basin, attenuation pond, infiltration pond | |
| | Swale | |
| | Ditch | |
| | Culvert or pipe | |
| | P.s. | Pumping station |
| | Containment for contaminated water from tunnel low point sump | |



national highways

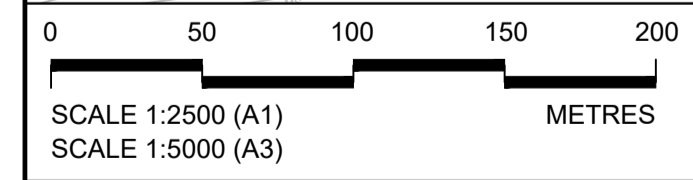
Project: **LOWER THAMES CROSSING**

| | | | |
|-----------------------------|--|---------------|----------|
| Status | DCO Application | Original Size | Revision |
| Application Document Number | TR010032/APP/2.16 | A1 | P01 |
| Drawing title | DRAINAGE PLANS REGULATION 5(2)(o) SHEET 41 | | |
| Drawing Number | HE540039-CJV-BOP-SZZ_DN100000_-DR-CD-10039 | | |
| | | Scale | 1:2500 |



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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 |

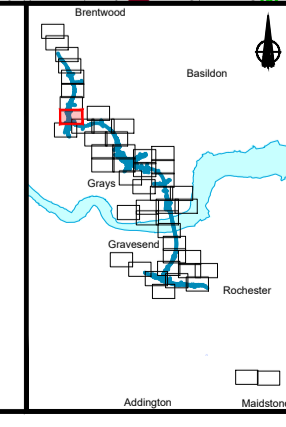
NOTES:
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LEGEND:
BOUNDARIES
 - - - Order Limits
 - - - Local Authority boundary
 - - - Existing watercourse

PROPOSED DRAINAGE
 - - - Watercourse diversion
 [Symbol] Infiltration basin, attenuation pond, infiltration pond
 [Symbol] Swale

[Symbol] Ditch
 [Symbol] Culvert or pipe
 [Symbol] P.S. Pumping station
 [Symbol] Containment for contaminated water from tunnel low point sump

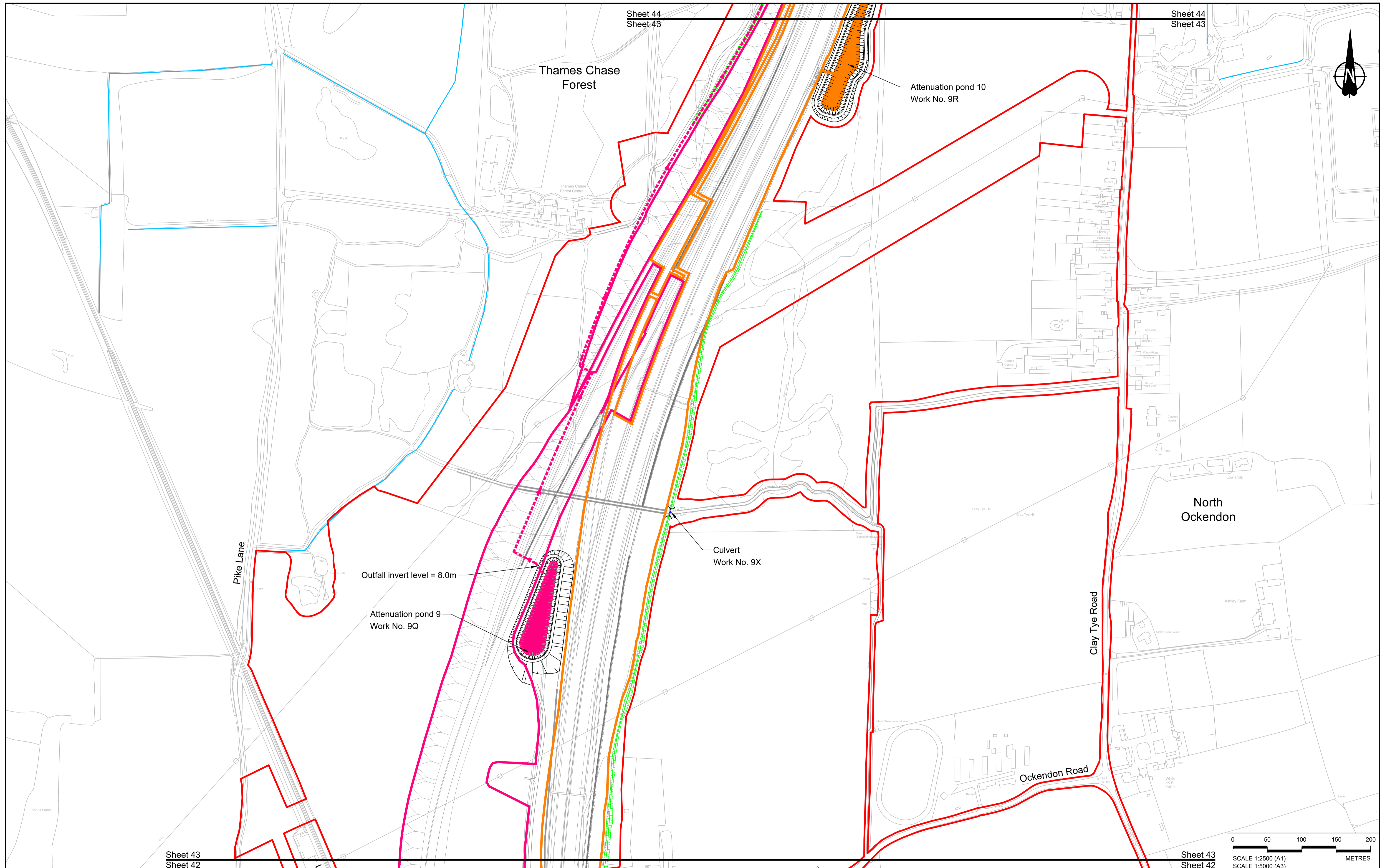
CATCHMENT AREAS AND OUTFALLS
 [Symbol] Catchment for Work No. 9Q
 [Symbol] Catchment for Work No. 9R



Client: **national highways**

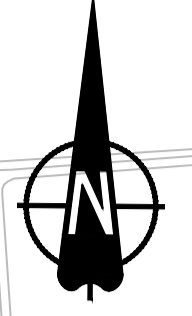
Project: **LOWER THAMES CROSSING**

| | | | |
|-----------------------------|--|---------------|----------|
| Status | DCO Application | Original Size | Revision |
| Application Document Number | TR010032/APP/2.16 | A1 | P01 |
| Drawing title | DRAINAGE PLANS REGULATION 5(2)(o) SHEET 42 | | |
| Drawing Number | HE540039-CJV-BOP-SZZ_DN100000_-DR-CD-10040 | | |
| | | Scale | 1:2500 |



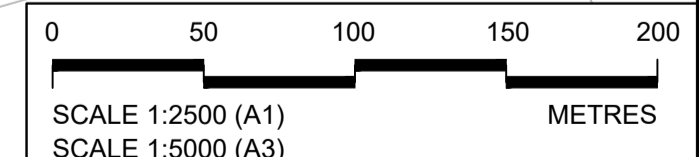
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| | | | | | | |
|--|--------|------------|---------------------|-------|--------|---------|
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| P01 | SB | 19/10/2022 | DCO Application | LY | BB | ASB |
| Rev | Status | Rev. Date | Purpose of revision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

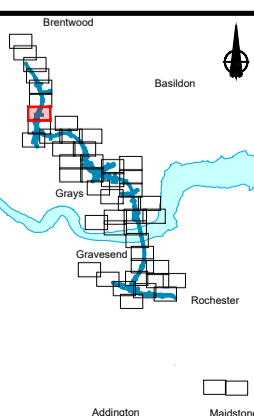
NOTES:
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LEGEND:
BOUNDARIES
 - - - Order Limits
 - - - Local Authority boundary
 - - - Existing watercourse

PROPOSED DRAINAGE
 - - - Watercourse diversion
 [Symbol] Infiltration basin, attenuation pond, infiltration pond
 [Symbol] Swale

[Symbol] Ditch
 [Symbol] Culvert or pipe
 [Symbol] P.S. Pumping station
 [Symbol] Containment for contaminated water from tunnel low point sump

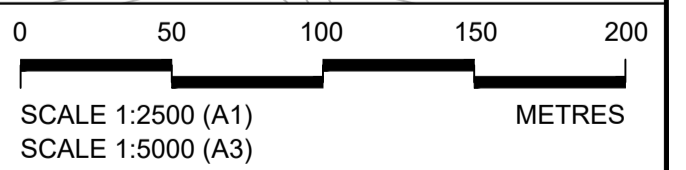
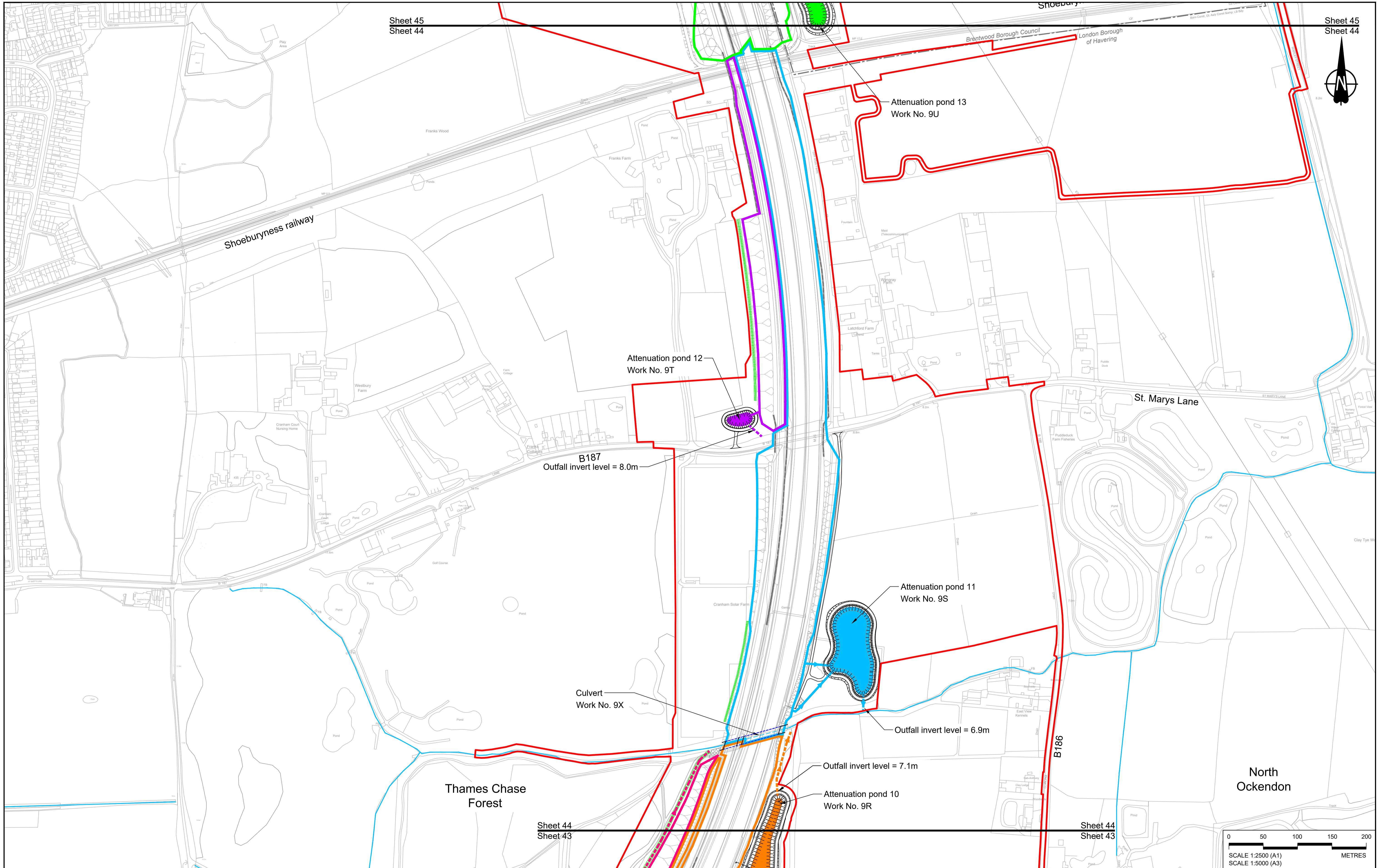
CATCHMENT AREAS AND OUTFALLS
 [Symbol] Catchment for Work No. 9Q
 [Symbol] Outfall to Work No. 9Q
 [Symbol] Discharge to existing drainage network or watercourse for Work No. 9Q
 [Symbol] Outfall to Work No. 9R
 [Symbol] Catchment for Work No. 9R



Client: **national highways**

Project: **LOWER THAMES CROSSING**

| | | | |
|-----------------------------|--|---------------|----------|
| Status | DCO Application | Original Size | Revision |
| Application Document Number | TR010032/APP/2.16 | A1 | P01 |
| Drawing title | DRAINAGE PLANS REGULATION 5(2)(o) SHEET 43 | | |
| Drawing Number | HE540039-CJV-BOP-SZZ_DN100000_-DR-CD-10041 | | |
| | | Scale | 1:2500 |



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

NOTES:
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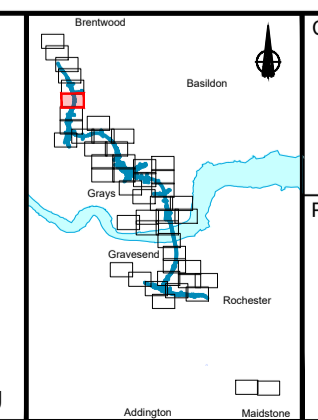
BOUNDARIES
 Order Limits
 Local Authority boundary
 Existing watercourse

PROPOSED DRAINAGE
 Watercourse diversion
 Infiltration basin, attenuation pond, infiltration pond
 Swale

Ditch
 Culvert or pipe
 P.S.
 Pumping station
 Containment for contaminated water from tunnel low point sump

CATCHMENT AREAS AND OUTFALLS
 Catchment for Work No. 9Q
 Outfall to Work No. 9Q
 Discharge to existing drainage network or watercourse for Work No. 9Q
 Catchment for Work No. 9R
 Outfall to Work No. 9R
 Discharge to existing drainage network or watercourse for Work No. 9R

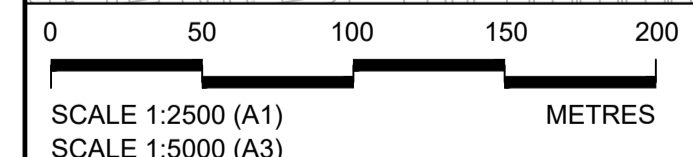
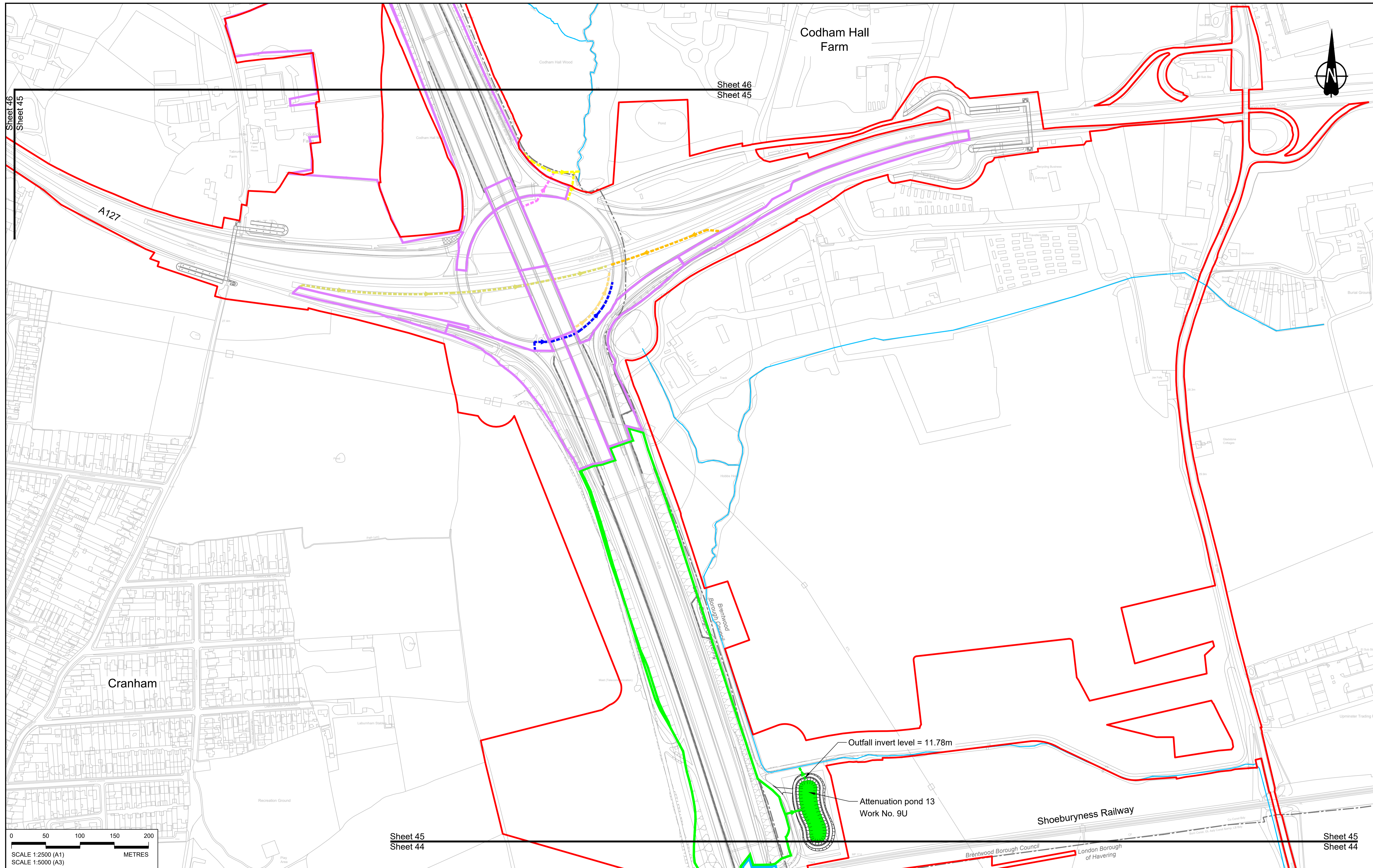
Catchment for Work No. 9S
 Outfall to Work No. 9S
 Discharge to existing drainage network or watercourse for Work No. 9S
 Catchment for Work No. 9T
 Outfall to Work No. 9T
 Discharge to existing drainage network or watercourse for Work No. 9T
 Catchment for Work No. 9U



Client: **national highways**

Project: **LOWER THAMES CROSSING**

| | | | |
|-----------------------------|--|---------------|----------|
| Status | DCO Application | Original Size | Revision |
| Application Document Number | TR010032/APP/2.16 | A1 | P01 |
| Drawing title | DRAINAGE PLANS REGULATION 5(2)(o) SHEET 44 | | |
| Drawing Number | HE540039-CJV-BOP-SZZ_DN100000_-DR-CD-10042 | | |
| Scale | | 1:2500 | |



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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 |

NOTES:

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LEGEND:

BOUNDARIES

- Order Limits
- Local Authority boundary
- Existing watercourse

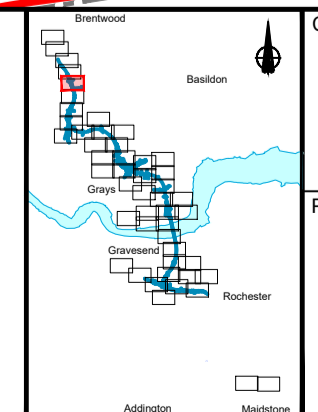
PROPOSED DRAINAGE

- Watercourse diversion
- Infiltration basin, attenuation pond, infiltration pond
- Swale

- Ditch
- Culvert or pipe
- P.S. Pumping station
- Containment for contaminated water from tunnel low point sump

CATCHMENT AREAS AND OUTFALLS

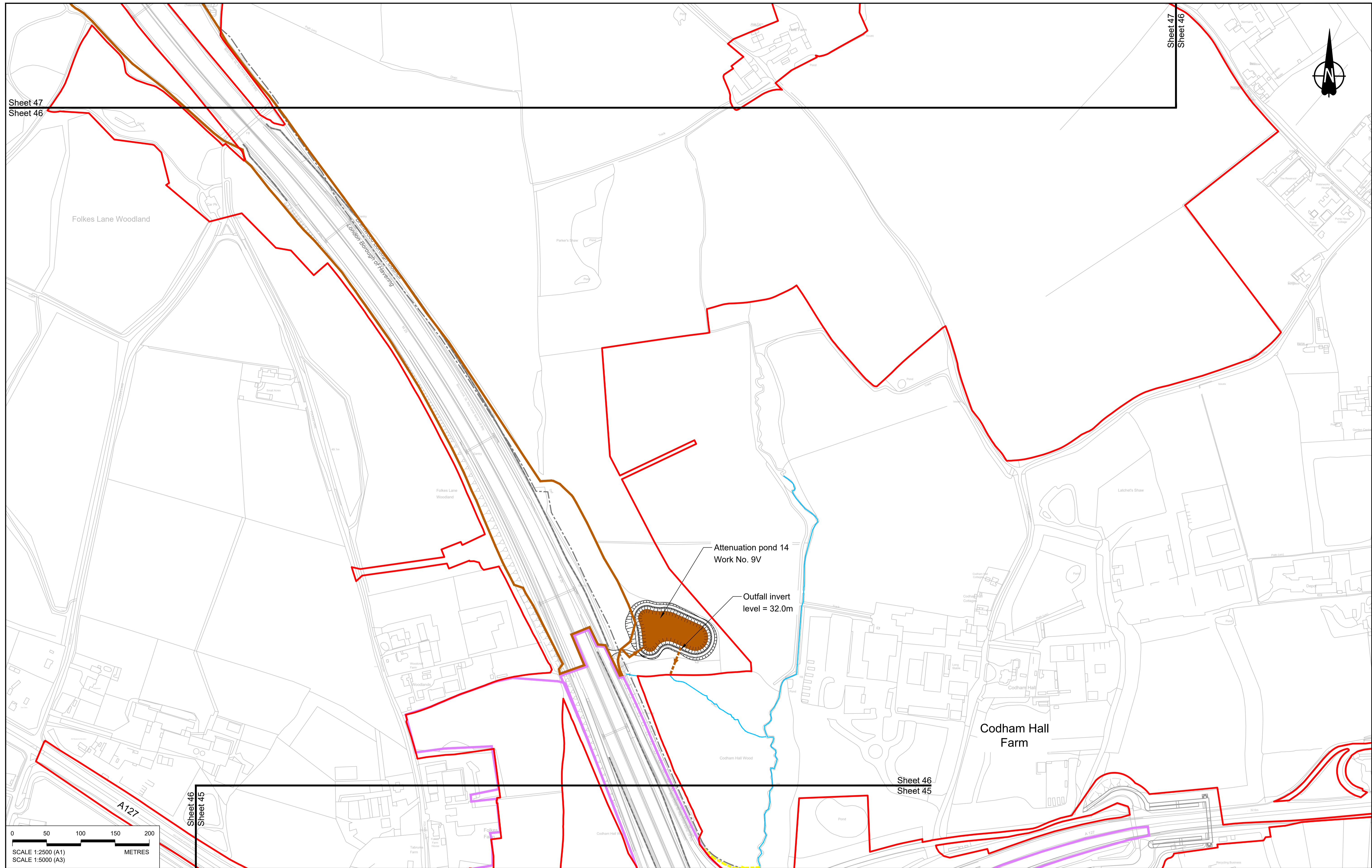
- Existing Catchments
- Discharge 1 to existing drainage network
- Discharge to existing drainage network or watercourse for Work No. 9U
- Outfall to Work No. 9U
- Discharge 2 to existing drainage network
- Discharge 3 to existing drainage network
- Discharge 4 to existing drainage network
- Discharge 5 to existing drainage network
- Discharge 6 to existing drainage network
- Discharge 7 to existing drainage network



Client: **national highways**

Project: **LOWER THAMES CROSSING**

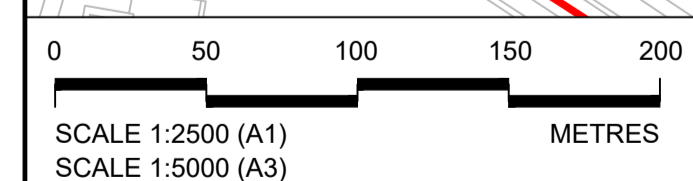
| | | | | | |
|-----------------------------|---|---------------|--------|----------|-----|
| Status | DCO Application | Original Size | A1 | Revision | P01 |
| Application Document Number | TR010032/APP/2.16 | Scale | 1:2500 | | |
| Drawing title | DRAINAGE PLANS REGULATION 5(2)(o) SHEET 45 | | | | |
| Drawing Number | HE540039-CJV-BOP-SZZ_DN100000 -DR-CD-10043 | | | | |



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Rev Status Rev. Date Purpose of revision Drawn Check'd Appr'd

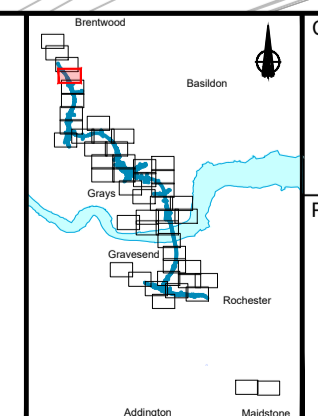
NOTES:
 1. The proposed works shown are illustrative only and will be subject to change as part of detailed design development. Any changes will be limited to being within the constraints included in the Development Consent Order (application document reference TR010032/APP/3.1).
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LEGEND:
BOUNDARIES
 - - - Order Limits
 - - - Local Authority boundary
 - - - Existing watercourse

PROPOSED DRAINAGE
 - - - Watercourse diversion
 [Symbol] Infiltration basin, attenuation pond, infiltration pond
 [Symbol] Swale

[Symbol] Ditch
 [Symbol] Culvert or pipe
 [Symbol] P.S. Pumping station
 [Symbol] Containment for contaminated water from tunnel low point sump

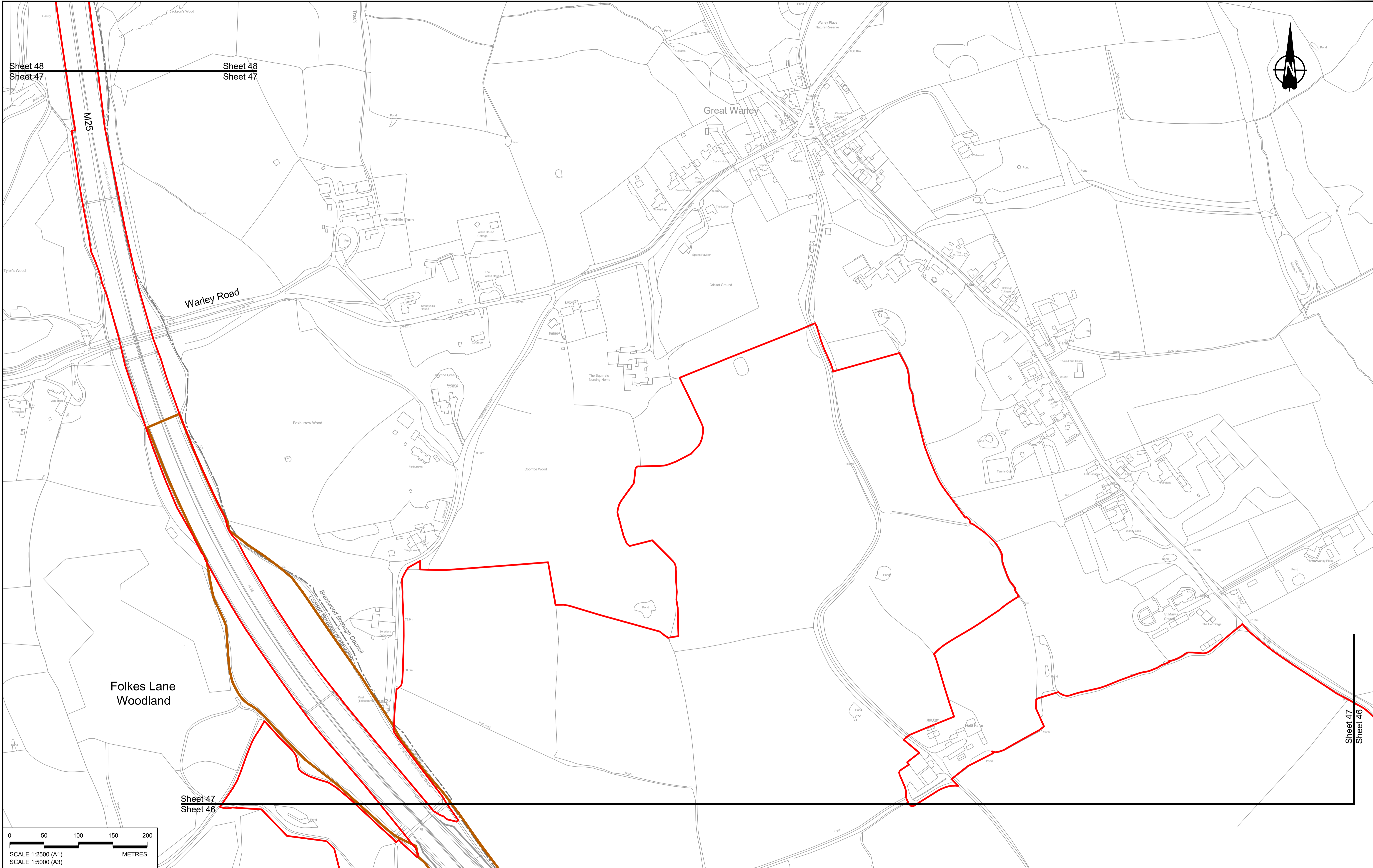
CATCHMENT AREAS AND OUTFALLS
 - - - Existing catchment for Work No. 9V
 - - - Outfall to Work No. 9V
 - - - Discharge to existing drainage network or watercourse for Work No. 9V
 - - - Existing catchment for Discharge 7



Client: **national highways**

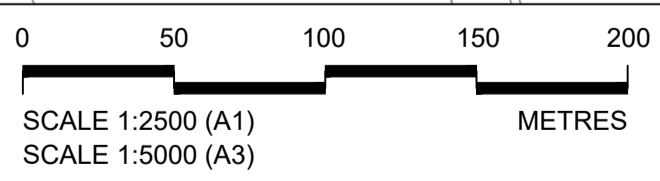
Project: **LOWER THAMES CROSSING**

| | | | |
|-----------------------------|--|---------------|----------|
| Status | DCO Application | Original Size | Revision |
| Application Document Number | TR010032/APP/2.16 | A1 | P01 |
| Drawing title | DRAINAGE PLANS REGULATION 5(2)(o) SHEET 46 | | |
| Drawing Number | HE540039-CJV-BOP-SZZ_DN100000 -DR-CD-10044 | | |
| | | Scale | 1:2500 |



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Folkes Lane Woodland

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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).
- Proposed works are shown adjacent to the Order Limits to provide greater visual clarity of the extent of the work but could extend to the Order Limits as well.

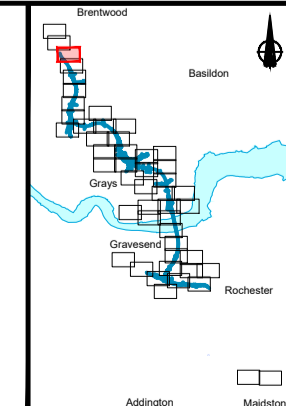
LEGEND:

- BOUNDARIES**
- Order Limits
 - Local Authority boundary
 - Existing watercourse

- PROPOSED DRAINAGE**
- Watercourse diversion
 - Infiltration basin, attenuation pond, infiltration pond
 - Swale

- Ditch
- Culvert or pipe
- P.S. Pumping station
- Containment for contaminated water from tunnel low point sump

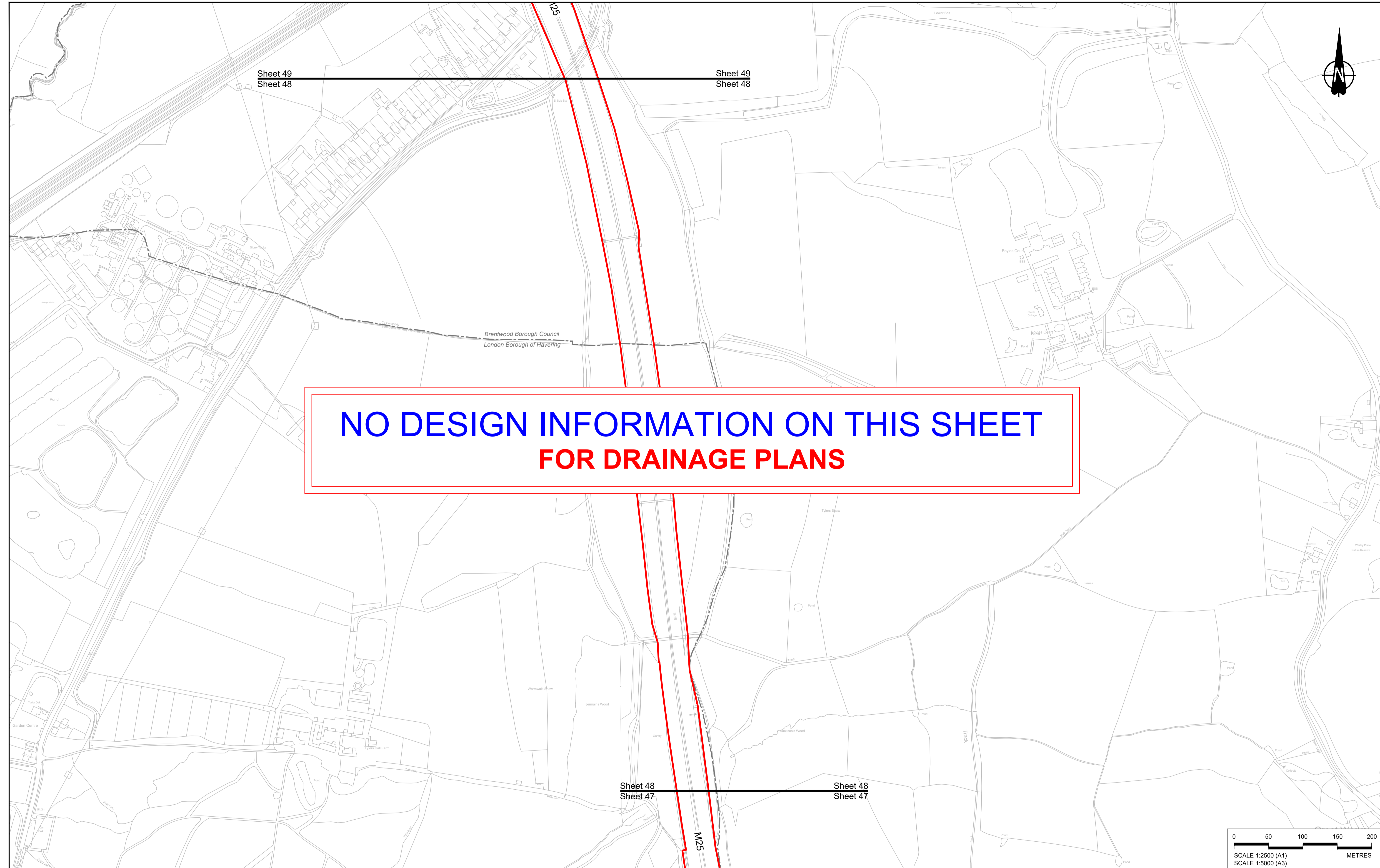
- CATCHMENT AREAS AND OUTFALLS**
- Existing catchment for Work No. 9V



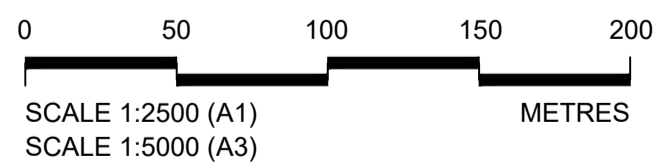
Client: **national highways**

Project: **LOWER THAMES CROSSING**

| | | | |
|-----------------------------|--|---------------|----------|
| Status | DCO Application | Original Size | Revision |
| Application Document Number | TR010032/APP/2.16 | A1 | P01 |
| Drawing title | DRAINAGE PLANS REGULATION 5(2)(o) SHEET 47 | | |
| Drawing Number | HE540039-CJV-BOP-SZZ_DN100000 -DR-CD-10045 | | |
| | | Scale | 1:2500 |



**NO DESIGN INFORMATION ON THIS SHEET
FOR DRAINAGE PLANS**



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| P01 | S8 | 19/10/2022 | DCO Application | LY | BB | ASB |
|-----|--------|------------|---------------------|-------|------|--------|
| Rev | Status | Rev. Date | Purpose of revision | Drawn | Chkd | Apprvd |

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- Where proposed catchment areas boundaries overlap with each other or the Order Limits they are shown adjacent to each other or the Order Limit to provide greater visual clarity but these could extend to the boundary of other catchment areas or the Order Limits as well.

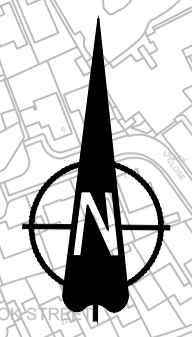
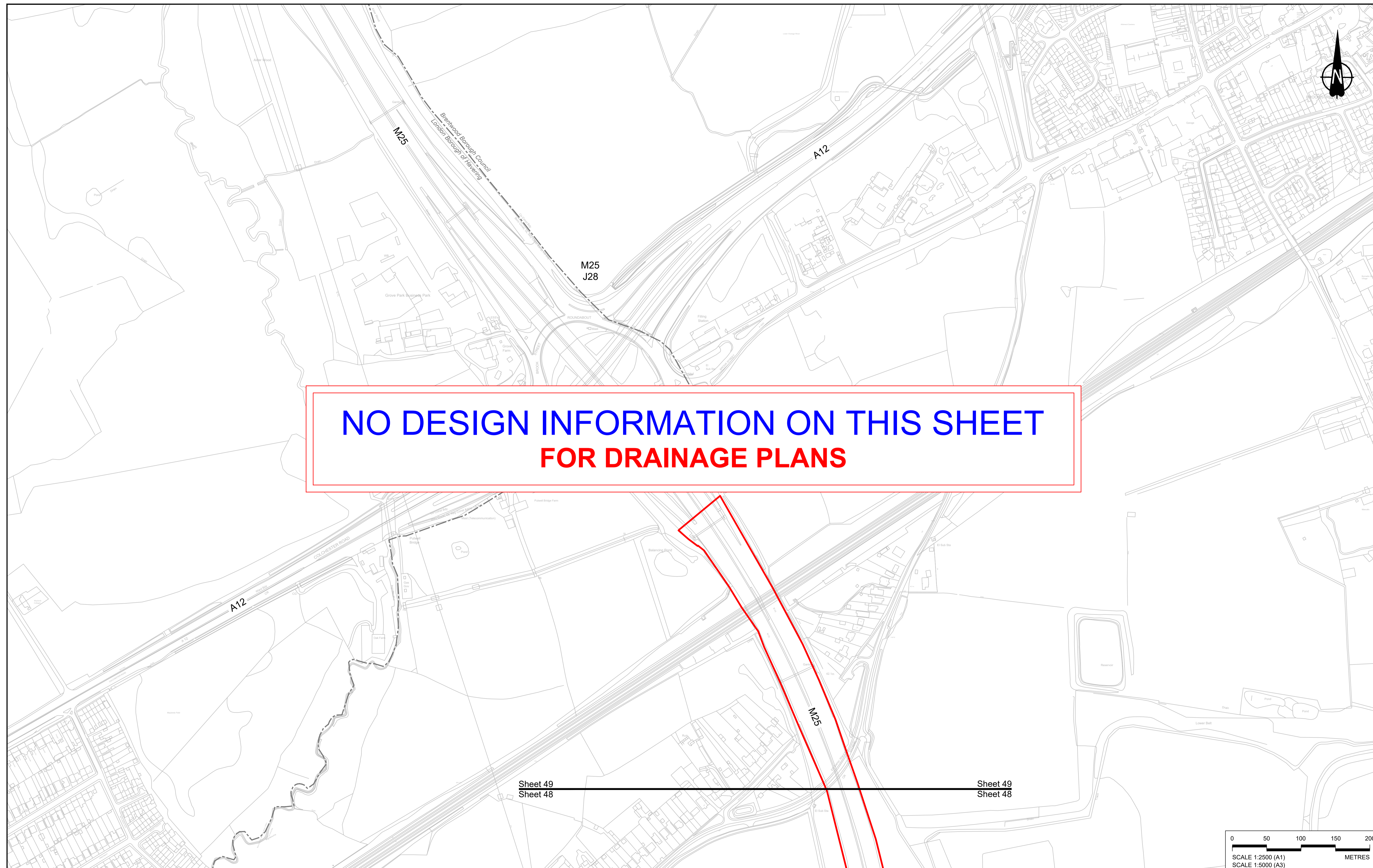
LEGEND:

| | | |
|--------------------------|---|---|
| BOUNDARIES | PROPOSED DRAINAGE | |
| Order Limits | Watercourse diversion | Ditch |
| Local Authority boundary | Infiltration basin, attenuation pond, infiltration pond | Culvert or pipe |
| Existing watercourse | Swale | P.S. Pumping station |
| | | Containment for contaminated water from tunnel low point sump |

Client: national highways

Project: **LOWER THAMES CROSSING**

| | | | | | |
|-----------------------------|---|---------------|--------|----------|-----|
| Status | DCO Application | Original Size | A1 | Revision | P01 |
| Application Document Number | TR010032/APP/2.16 | Scale | 1:2500 | | |
| Drawing title | DRAINAGE PLANS REGULATION 5(2)(o) SHEET 48 | | | | |
| Drawing Number | HE540039-CJV-BOP-SZZ_DN100000_-DR-CD-10046 | | | | |



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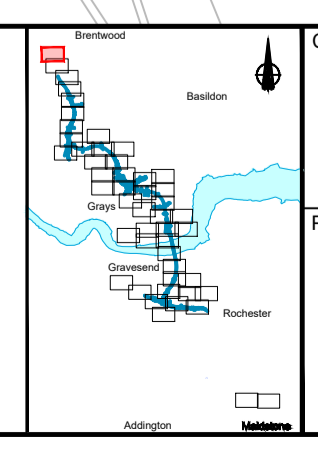
| P01 | SB | 19/10/2022 | DCO Application | LY | BB | ASB |
|-----|--------|------------|---------------------|-------|--------|---------|
| Rev | Status | Rev. Date | Purpose of revision | Drawn | Chck'd | Apprv'd |

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LEGEND:

| | | |
|--------------------------|---|---|
| BOUNDARIES | PROPOSED DRAINAGE | |
| Order Limits | Watercourse diversion | Ditch |
| Local Authority boundary | Infiltration basin, attenuation pond, infiltration pond | Culvert or pipe |
| Existing watercourse | Swale | P.S. Pumping station |
| | | Containment for contaminated water from tunnel low point sump |



national highways

Client

Project

LOWER THAMES CROSSING

| | | | | | |
|-----------------------------|---|---------------|--------|----------|-----|
| Status | DCO Application | Original Size | A1 | Revision | P01 |
| Application Document Number | TR010032/APP/2.16 | Scale | 1:2500 | | |
| Drawing title | DRAINAGE PLANS REGULATION 5(2)(o) SHEET 49 | | | | |
| Drawing Number | HE540039-CJV-BOP-SZZ_DN100000 -DR-CD-10047 | | | | |

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