

Lower Thames Crossing

2.18 Hedgerow and Tree Preservation Order Plans Volume B (Sheets 1 to 20) (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/2.18

VERSION: 2.0

Revision history

Version	Date	Submitted at
1.0	31 October 2022	DCO Application
2.0	19 September 2023	Deadline 4

Lower Thames Crossing

2.18 Hedgerow and Tree Preservation Order Plans Volume B (Sheets 1 to 20) (Clean version)

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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 for Transport (subject to any modifications considered appropriate).
- 1.1.3 This document comprises part of the suite of application documentation and is included in the application to comply with Regulations 5(2)(o) and 5(4) of the Infrastructure Planning (Applications: Prescribed Forms and 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 As this document is part of the application documentation it should be read alongside, and is informed by, the other Application documents. In particular, the plans should be read alongside Schedule 7 of the draft Order (Application Document 3.1).
- 1.1.5 The purpose of the Hedgerow and Tree Preservation Order is to show the hedgerows and trees or group of trees subject to a Tree Preservation Order that are located along the project. It distinguishes between important hedgerows (as defined in paragraph (4) of the Hedgerows Regulations 1997) and other hedgerows.
- 1.1.6 The Hedgerow and Tree Preservation Order show the Order Limits and the relevant local authority boundaries for clarity. In this plan set, 'the Order Limits' mean the limits of lands to be acquired or used, permanently or temporarily, within which the authorised development may be carried out (see article 2 of the draft Order (Application Document 3.1)).
- 1.1.7 The Project design is shown in the background on the Hedgerow and Tree Preservation Order for illustrative purposes and specifically to provide context and aid understanding of the works. The design shown corresponds to the highways design and the environment works.
- 1.1.8 To ensure sufficient detail and clarity of information, the Hedgerow and Tree Preservation Order 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.

- 1.1.9 The Applicant has adopted the same consistent approach for the Hedgerow and Tree Preservation Order 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. Drainage Plans (Application Document 2.16)
 - j. Temporary Works Plans (Application Document 2.17)
- 1.1.10 The information contained on each sheet of the Hedgerow and Tree Preservation Order Plans corresponds with the 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.
- 1.1.11 This approach means that there are some sheets that cover an area of the Project where there is no traffic regulations design to show. On these sheets, the Applicant has introduced a label stating: 'No design information on this sheet'.
- 1.1.12 This plan set uses a consistent key applicable to the plan set as a whole, rather than being tailored to each individual sheet. This means that there may be some items shown in the key that are not on a given sheet.
- 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 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.
- 1.1.14 These plans have been updated for Deadline 3 to include the minor amendments as advised by the Examining Authority in Rule 9 [[PD-022](#)].
- 1.1.15 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](#)].

Schedule of Plans included in this application document

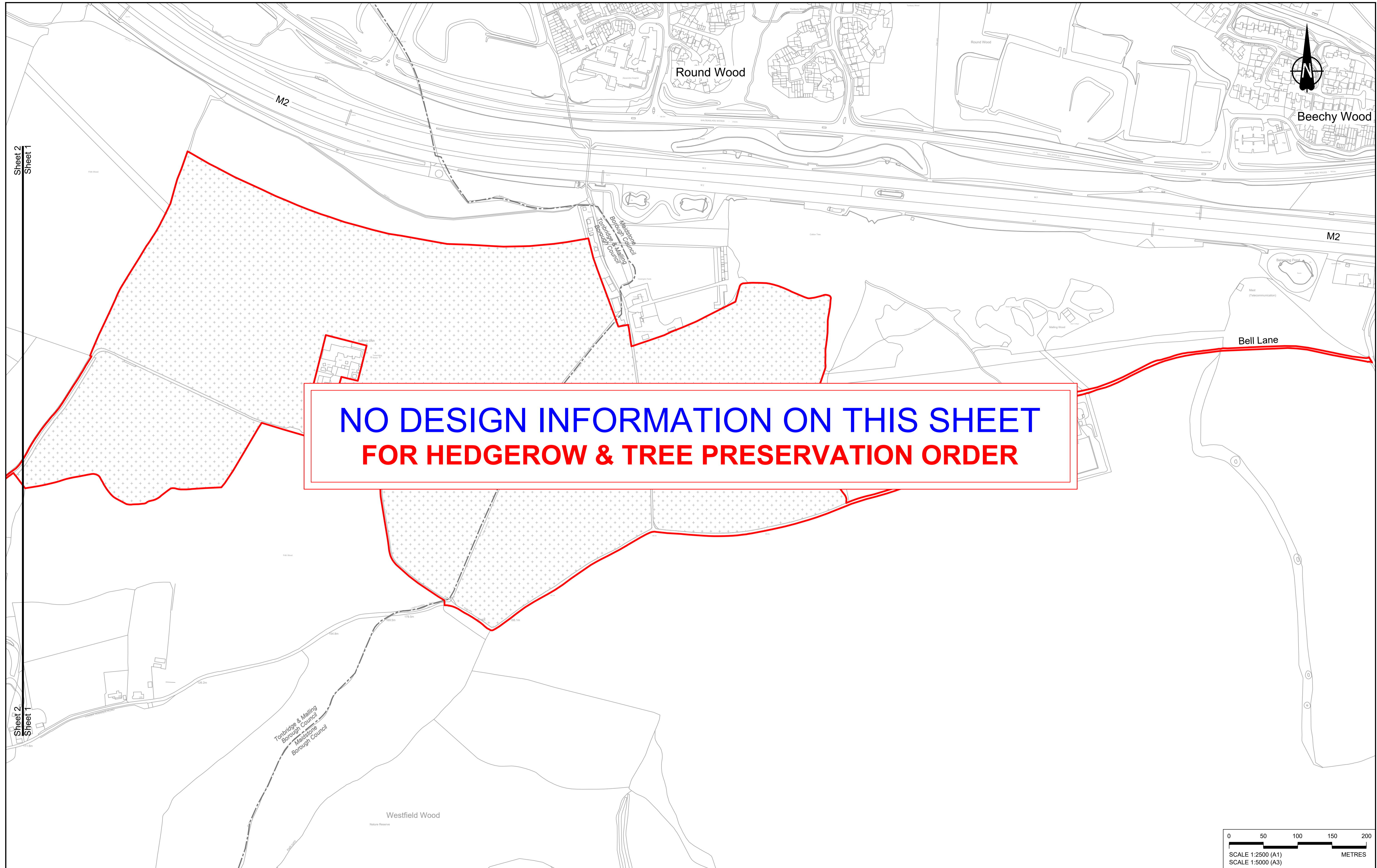
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HEDGEROW AND TREE PRESERVATION ORDER REGULATION 5(2)(o) KEY PLAN	TR010032/APP/2.18	P03
HEDGEROW AND TREE PRESERVATION ORDER REGULATION 5(2)(o) SHEET 1	TR010032/APP/2.18	P02
HEDGEROW AND TREE PRESERVATION ORDER REGULATION 5(2)(o) SHEET 2	TR010032/APP/2.18	P02
HEDGEROW AND TREE PRESERVATION ORDER REGULATION 5(2)(o) SHEET 3	TR010032/APP/2.18	P01
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HEDGEROW AND TREE PRESERVATION ORDER REGULATION 5(2)(o) SHEET 5	TR010032/APP/2.18	P01
HEDGEROW AND TREE PRESERVATION ORDER REGULATION 5(2)(o) SHEET 6 7	TR010032/APP/2.18	P01
HEDGEROW AND TREE PRESERVATION ORDER REGULATION 5(2)(o) SHEET 7	TR010032/APP/2.18	P01
HEDGEROW AND TREE PRESERVATION ORDER REGULATION 5(2)(o) SHEET 8	TR010032/APP/2.18	P01
HEDGEROW AND TREE PRESERVATION ORDER REGULATION 5(2)(o) SHEET 9	TR010032/APP/2.18	P01

Document Title	Document Number	Revision
HEDGEROW AND TREE PRESERVATION ORDER REGULATION 5(2)(o) SHEET 10	TR010032/APP/2.18	P01
HEDGEROW AND TREE PRESERVATION ORDER REGULATION 5(2)(o) SHEET 11	TR010032/APP/2.18	P01
HEDGEROW AND TREE PRESERVATION ORDER REGULATION 5(2)(o) SHEET 12	TR010032/APP/2.18	P01
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HEDGEROW AND TREE PRESERVATION ORDER REGULATION 5(2)(o) SHEET 19	TR010032/APP/2.18	P01
HEDGEROW AND TREE PRESERVATION ORDER REGULATION 5(2)(o) SHEET 20	TR010032/APP/2.18	P01

Document Title	Document Number	Revision
HEDGEROW AND TREE PRESERVATION ORDER REGULATION 5(2)(o) SHEET 21	TR010032/APP/2.18	P01
HEDGEROW AND TREE PRESERVATION ORDER REGULATION 5(2)(o) SHEET 22	TR010032/APP/2.18	P02
HEDGEROW AND TREE PRESERVATION ORDER REGULATION 5(2)(o) SHEET 23	TR010032/APP/2.18	P03
HEDGEROW AND TREE PRESERVATION ORDER REGULATION 5(2)(o) SHEET 24	TR010032/APP/2.18	P02
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HEDGEROW AND TREE PRESERVATION ORDER REGULATION 5(2)(o) SHEET 31	TR010032/APP/2.18	P01

Document Title	Document Number	Revision
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HEDGEROW AND TREE PRESERVATION ORDER REGULATION 5(2)(o) SHEET 35	TR010032/APP/2.18	P01
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HEDGEROW AND TREE PRESERVATION ORDER REGULATION 5(2)(o) SHEET 41	TR010032/APP/2.18	P01
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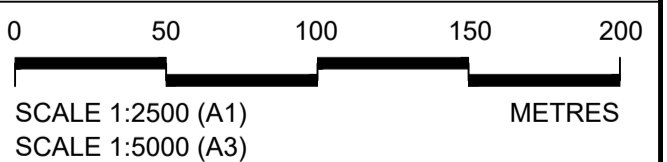
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HEDGEROW AND TREE PRESERVATION ORDER REGULATION 5(2)(o) SHEET 48	TR010032/APP/2.18	P01
HEDGEROW AND TREE PRESERVATION ORDER REGULATION 5(2)(o) SHEET 49	TR010032/APP/2.18	P01



**NO DESIGN INFORMATION ON THIS SHEET
FOR HEDGEROW & TREE PRESERVATION ORDER**

Sheet 2
Sheet 1

Sheet 2
Sheet 1



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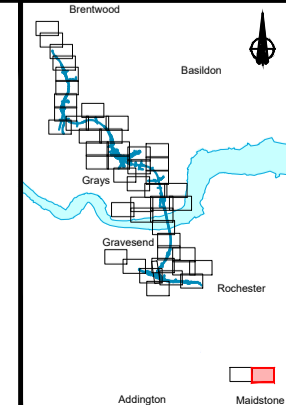
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- The proposed works shown are illustrative only and will be subject to change as part of detailed design development. Any changes will be limited to being within the constraints included in the Development Consent Order (application document reference TR010032/APP/3.1).
- These plans should be read in conjunction with Schedule 7 (Trees subject to Tree Preservation Order) of the Development Consent Order (application document reference TR010032/APP/3.1).

LEGEND:

- Order Limits
- Local Authority Boundary
- Important Hedgerows (subject to The Hedgerows Regulations 1997)
- Other Hedgerows
- Tree Preservation Order - Area, Group or Woodland
- Tree Preservation Order - Individual Tree

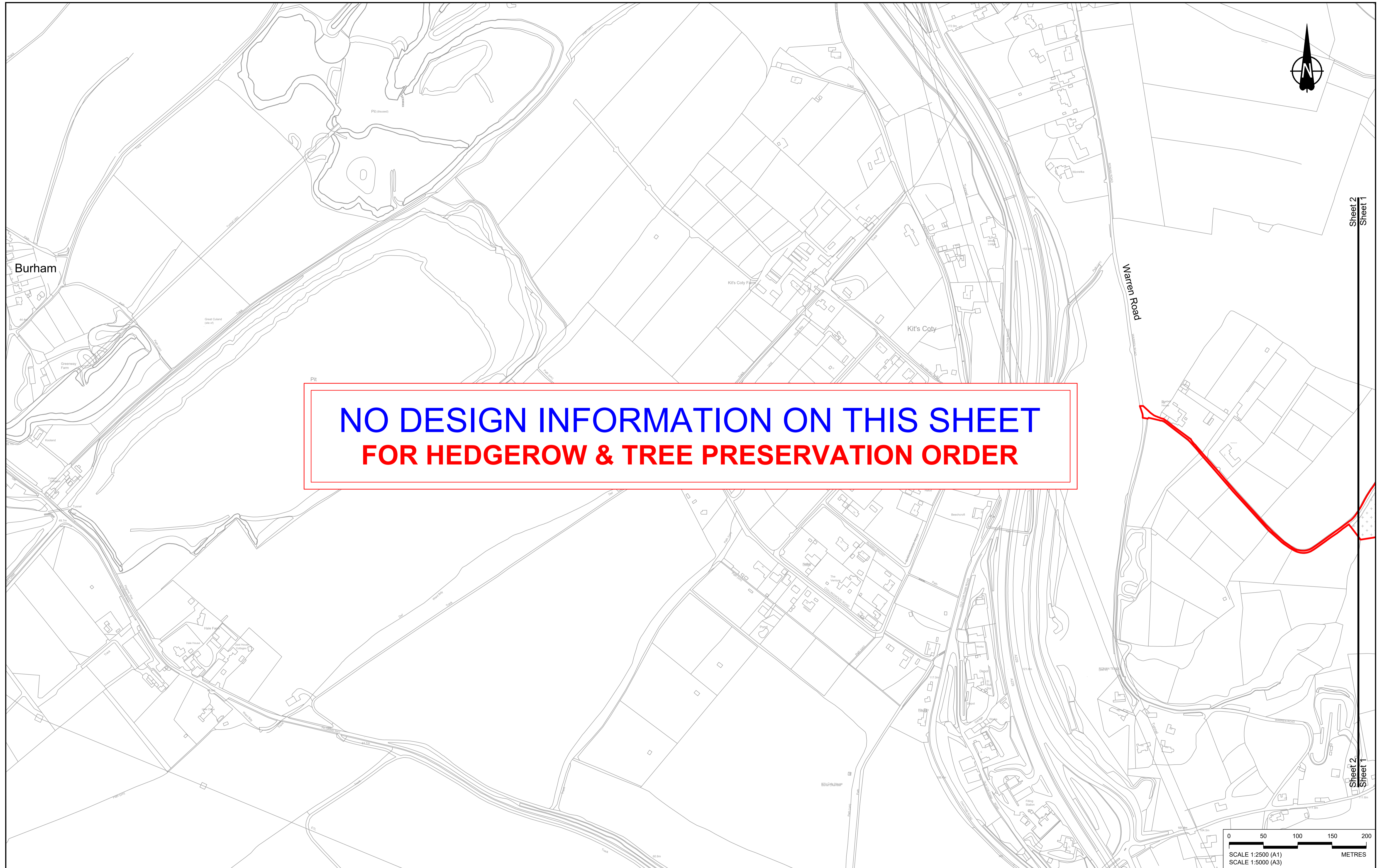
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P01	S8	19/10/2022	DCO Application	MS	RO	ASB
P02	S8	19/09/2023	Deadline 4	MS	RO	ASB



Client: **national highways**

Project: **LOWER THAMES CROSSING**

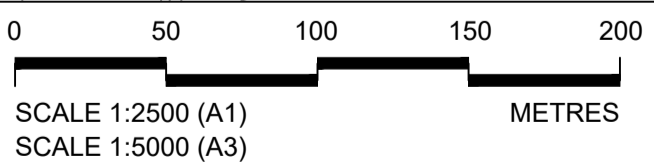
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FOR HEDGEROW & TREE PRESERVATION ORDER**

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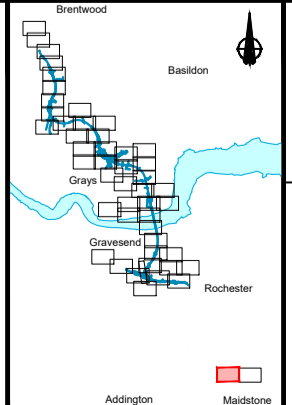
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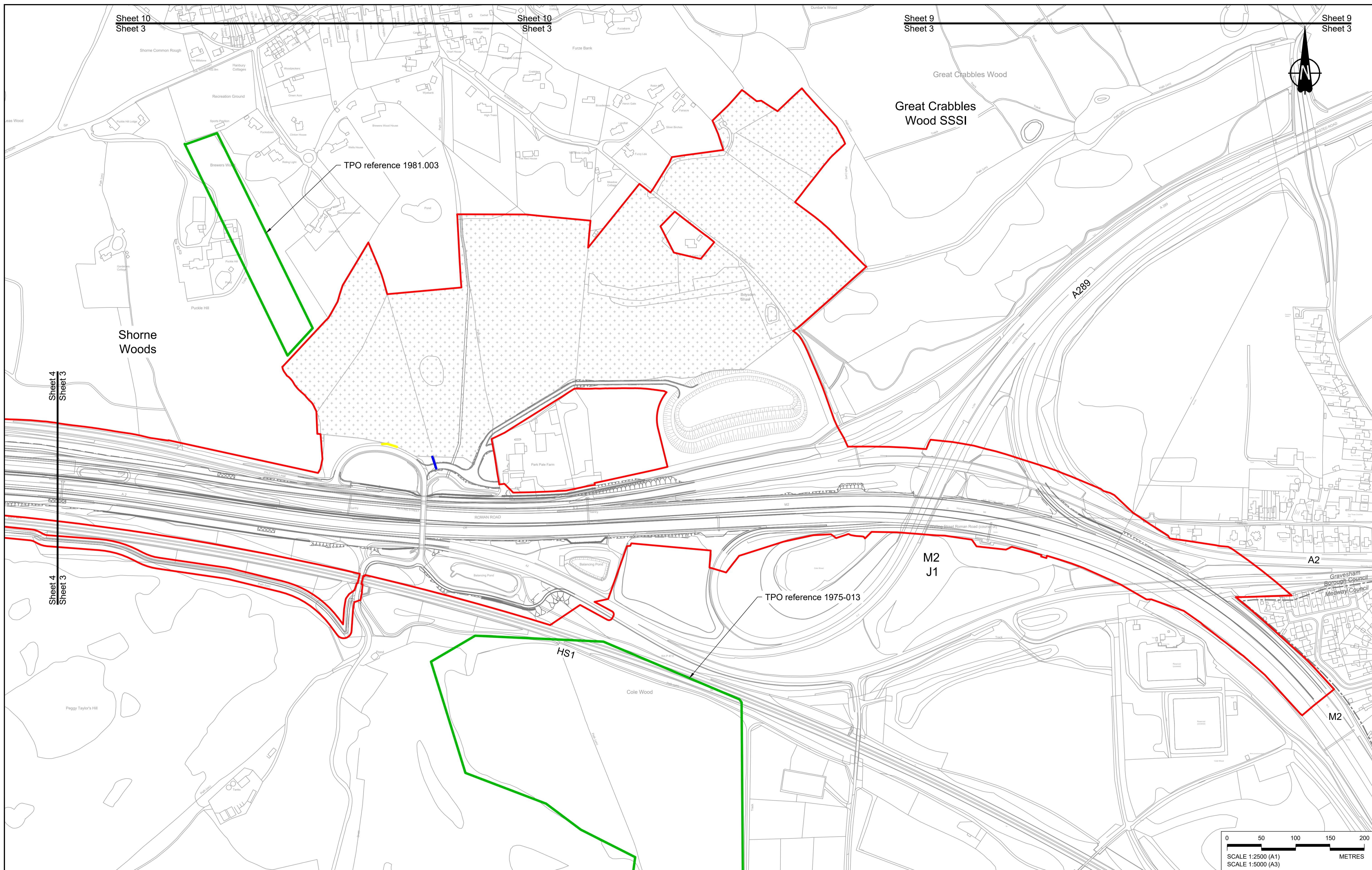
- LEGEND:**
- Order Limits
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Status	DCO Examination	Original Size	A1	Revision	P02
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Sheet 9
Sheet 3

Shorne Woods

Great Crabbles Wood SSSI

TPO reference 1981.003

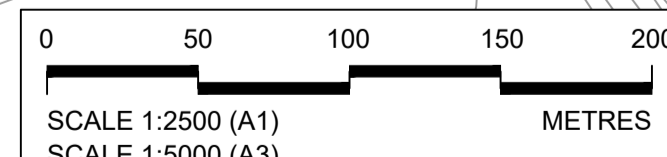
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HS1

M2
J1

A2

M2



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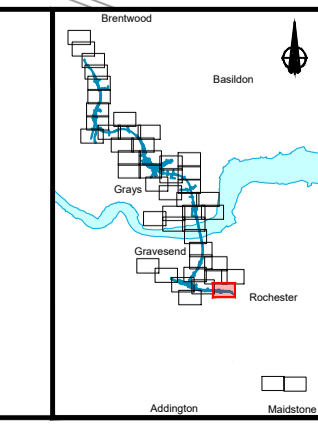
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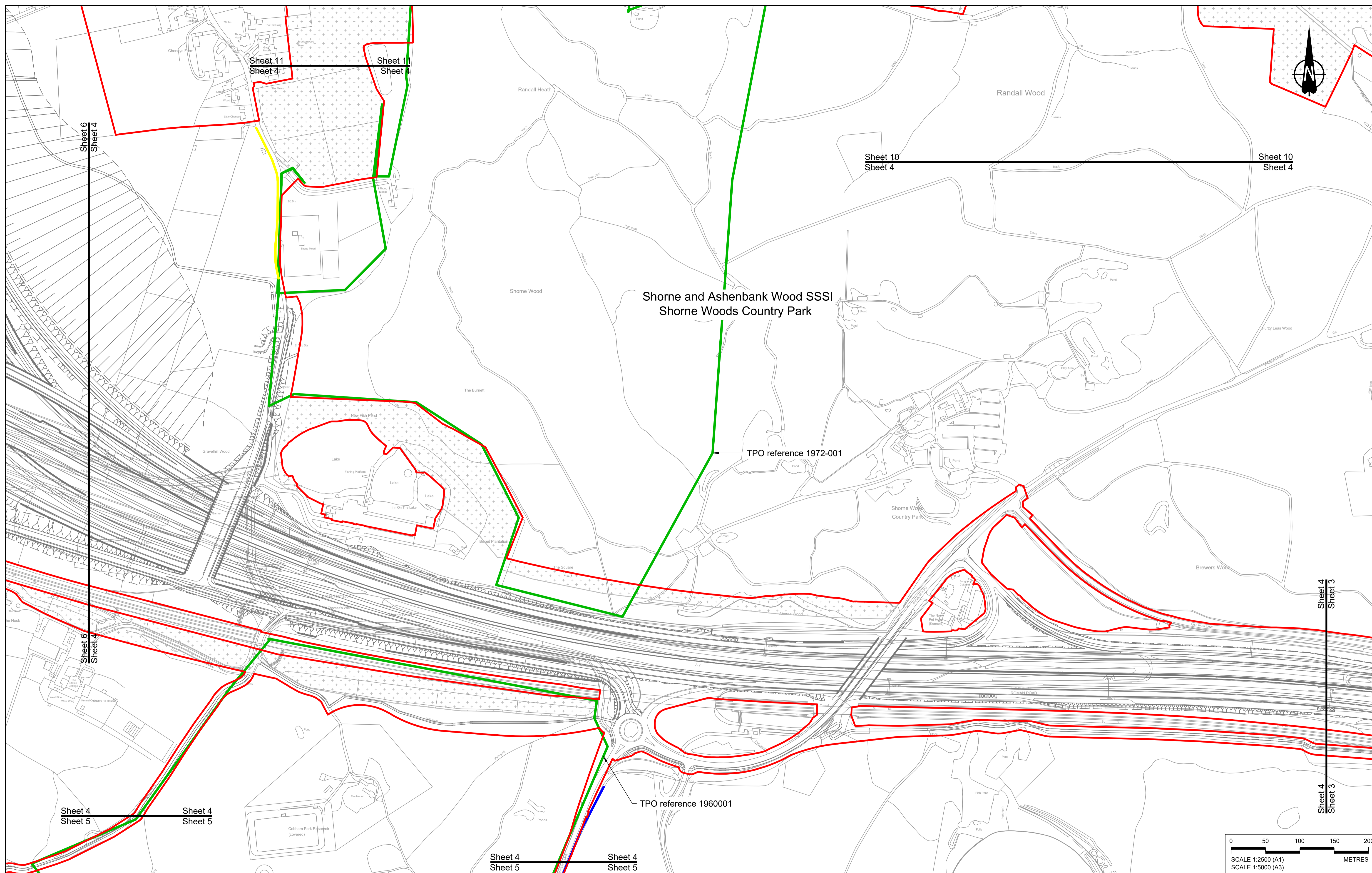
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- Important Hedgerows (subject to The Hedgerows Regulations 1997)
- Other Hedgerows
- Tree Preservation Order - Area, Group or Woodland
- Tree Preservation Order - Individual Tree



Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Scale	A1	Revision	P01
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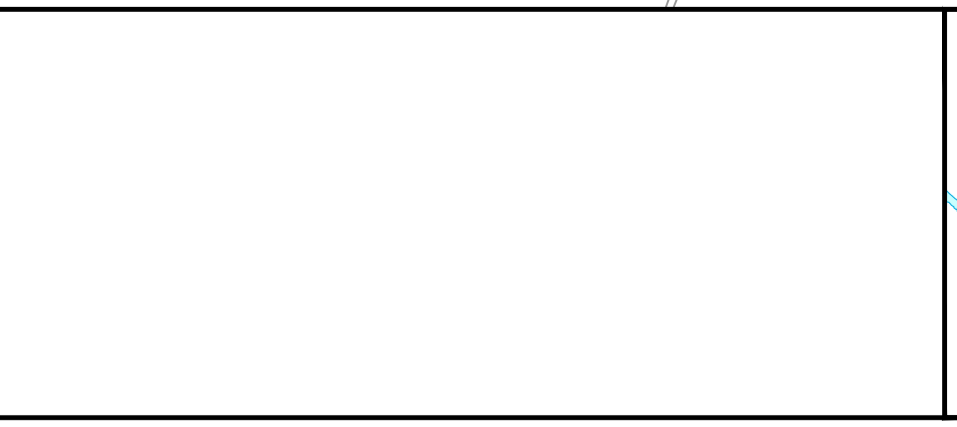
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	S8	19/10/2022	DCO Application	MS	RO	ASB

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- LEGEND:**
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 - - - Local Authority Boundary
 - Important Hedgerows (subject to The Hedgerows Regulations 1997)
 - Other Hedgerows
 - Tree Preservation Order - Area, Group or Woodland
 - Tree Preservation Order - Individual Tree



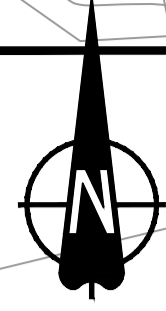
Client: **national highways**

Project: **LOWER THAMES CROSSING**

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Sheet 4
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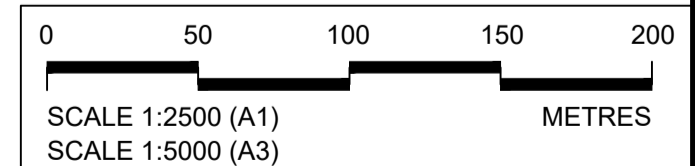
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Sheet 5

TPO reference 1960001

Halfpence Lane

Cobham

Cobham



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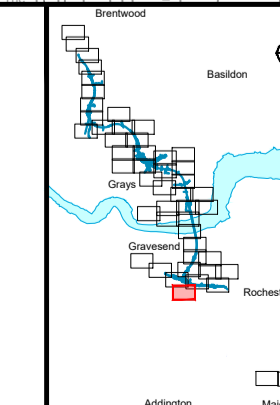
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LEGEND:

- Order Limits
- Local Authority Boundary
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- Other Hedgerows
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- Tree Preservation Order - Individual Tree

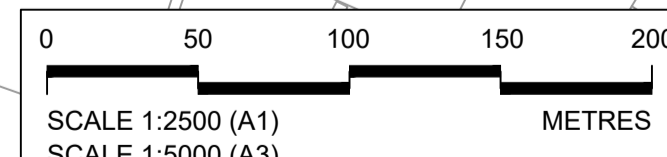
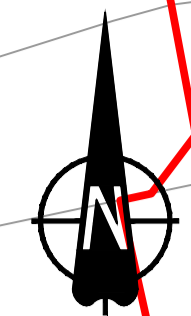
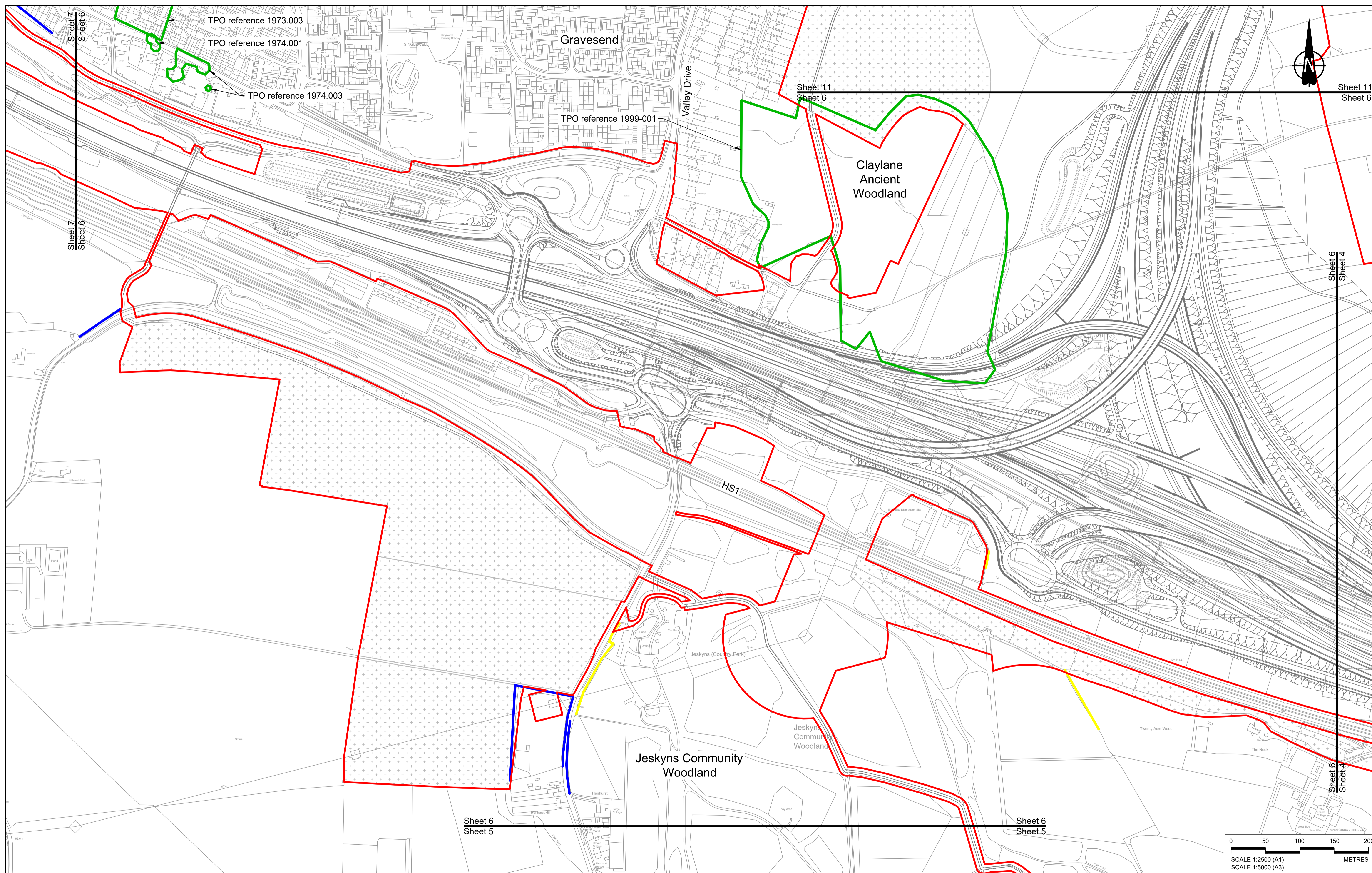
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Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status: DCO Application	Original Size: A1	Revision: P01
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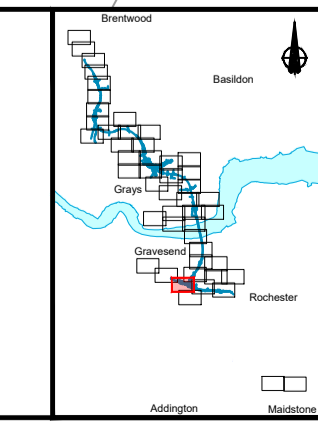
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd
P01	S8	19/10/2022	DCO Application	MS	RO	ASB

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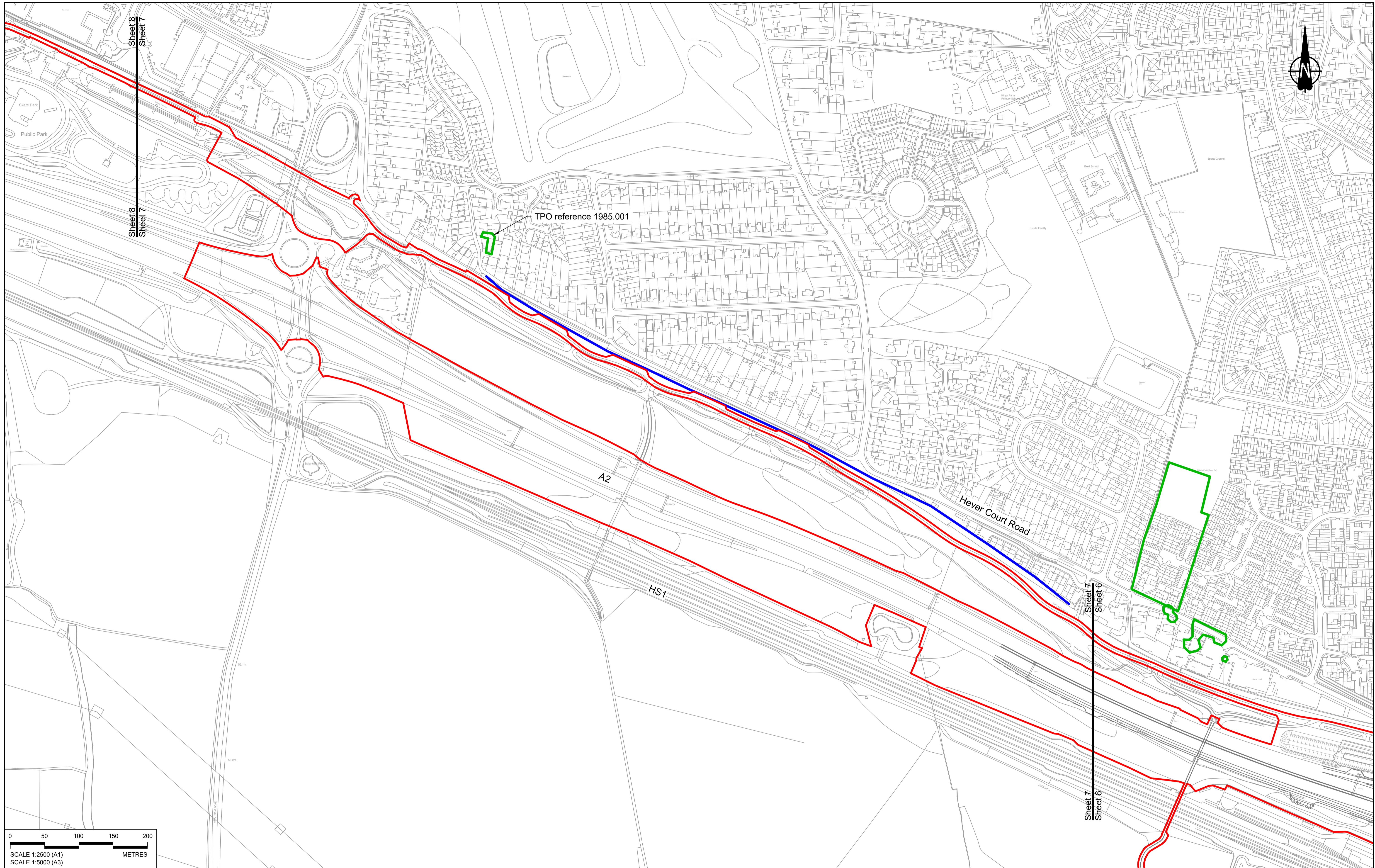
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Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A1	Revision	P01
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Sheet 8
Sheet 7

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TPO reference 1985.001

Hever Court Road

A2

HS1



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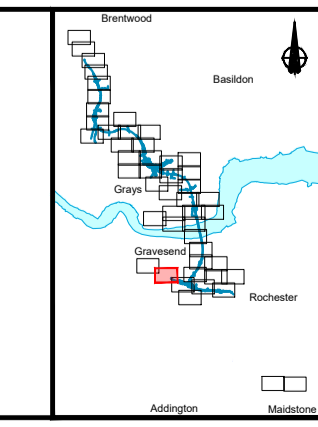
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LEGEND:

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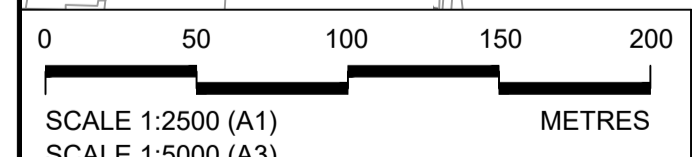
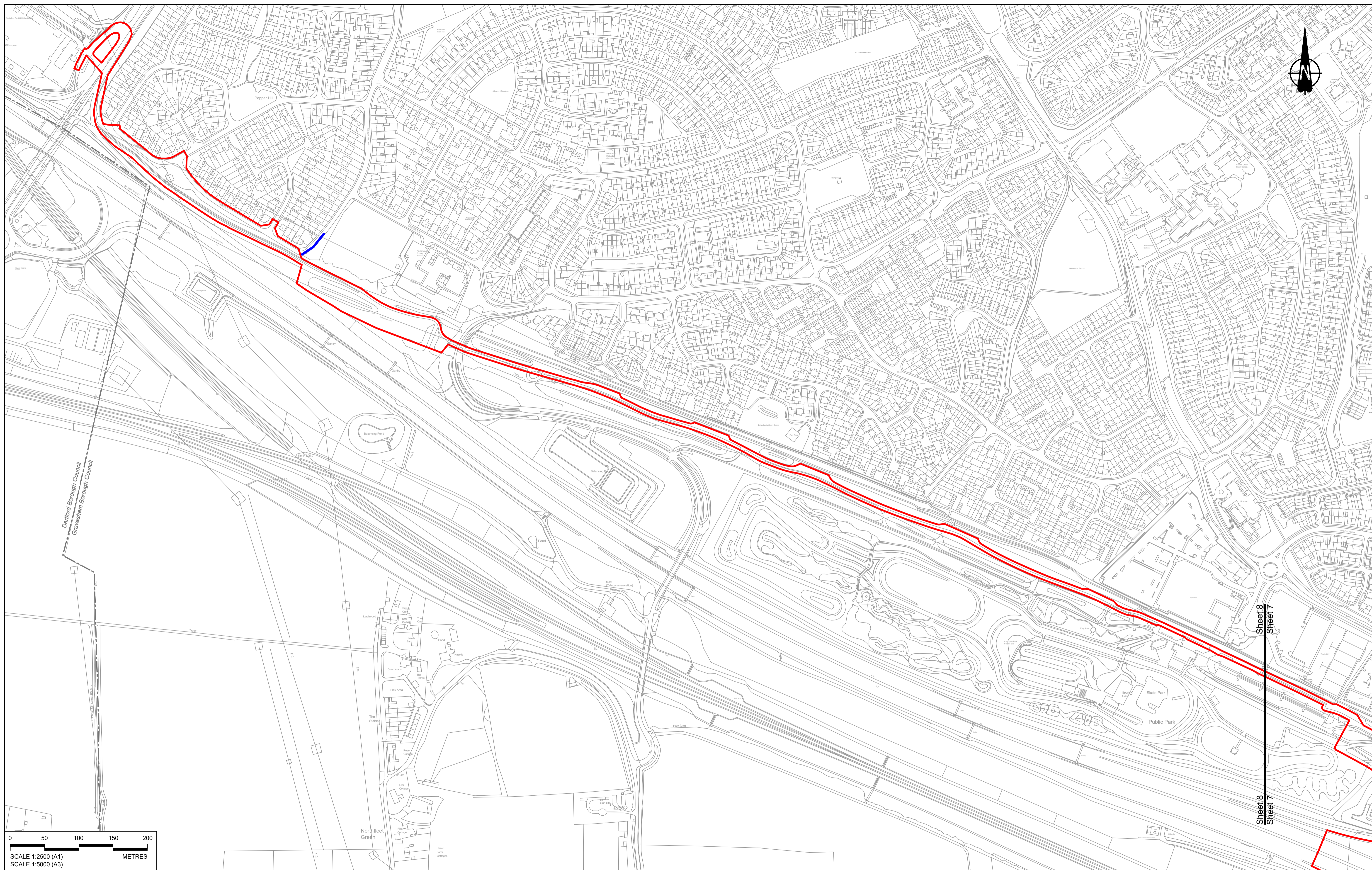


Client: national highways

Project: LOWER THAMES CROSSING

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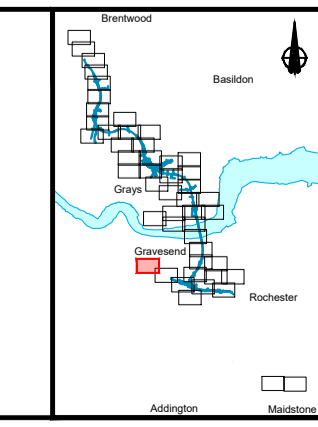
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	S8	19/10/2022	DCO Application	MS	RO	ASB

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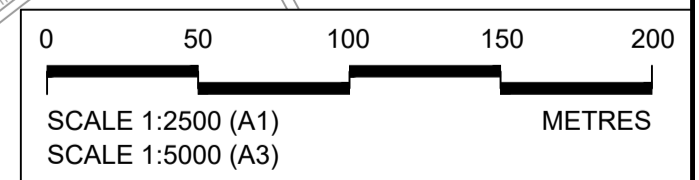
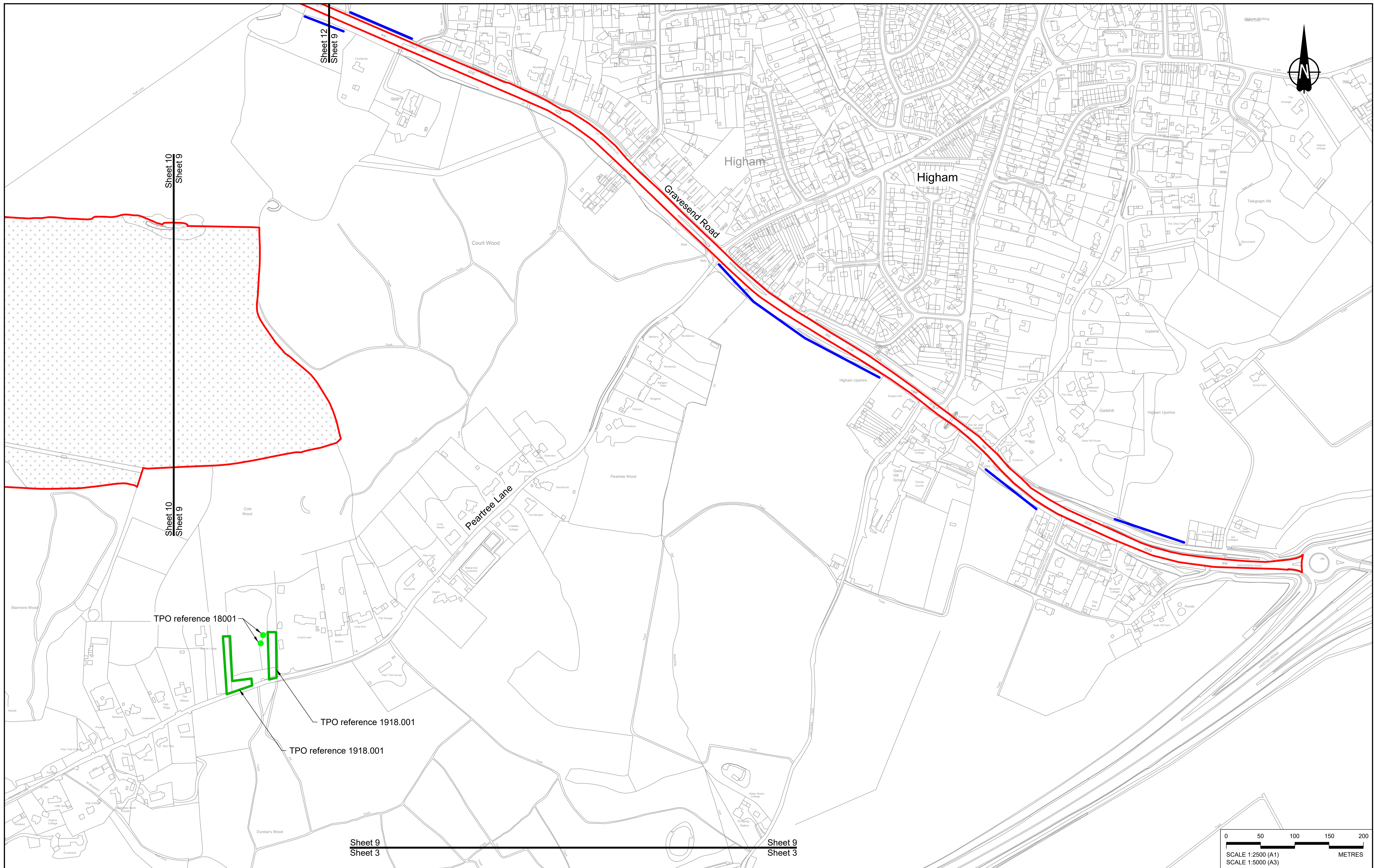
- LEGEND:**
- Order Limits
 - Local Authority Boundary
 - Important Hedgerows (subject to The Hedgerows Regulations 1997)
 - Other Hedgerows
 - Tree Preservation Order - Area, Group or Woodland
 - Tree Preservation Order - Individual Tree



Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A1	Revision	P01
Application Document Number	TR010032/APP/2.18	Scale	1:2500		
Drawing title	HEDGEROW & TREE PRESERVATION ORDER REGULATION 5(2)(o) SHEET 8				
Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-LX-60006				



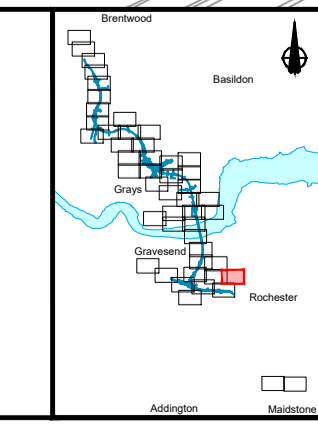
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd
P01	S8	19/10/2022	DCO Application	MS	RO	ASB

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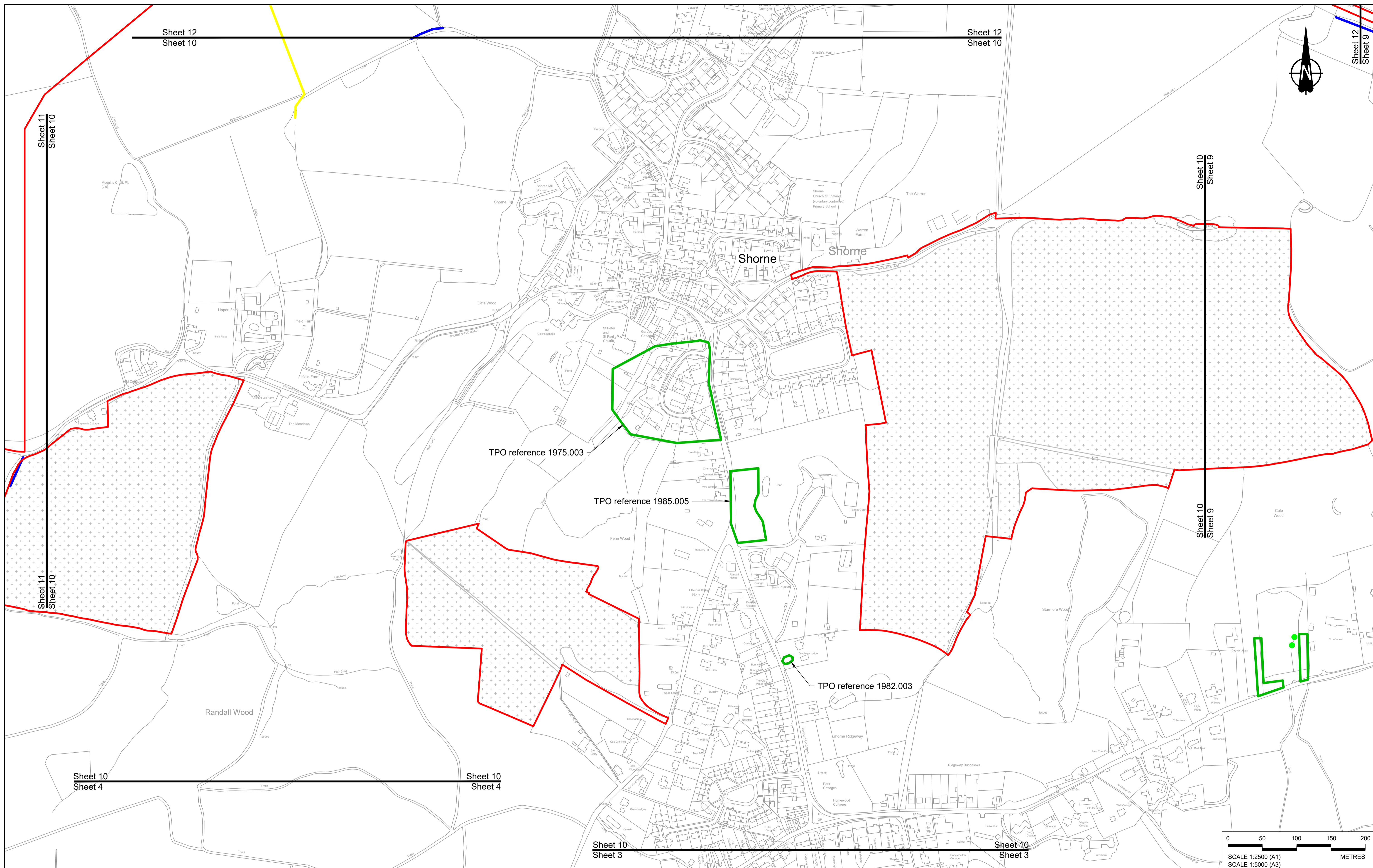
- LEGEND:**
- Order Limits
 - Local Authority Boundary
 - Important Hedgerows (subject to The Hedgerows Regulations 1997)
 - Other Hedgerows
 - Tree Preservation Order - Area, Group or Woodland
 - Tree Preservation Order - Individual Tree



Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.18	A1	P01
Drawing title	HEDGEROW & TREE PRESERVATION ORDER REGULATION 5(2)(o) SHEET 9		
Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-LX-60007		



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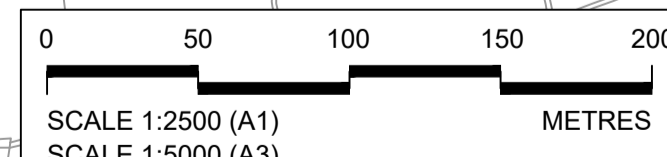
Sheet 10
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Sheet 3



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

LEGEND:

- Order Limits
- Local Authority Boundary
- Important Hedgerows (subject to The Hedgerows Regulations 1997)
- Other Hedgerows
- Tree Preservation Order - Area, Group or Woodland
- Tree Preservation Order - Individual Tree

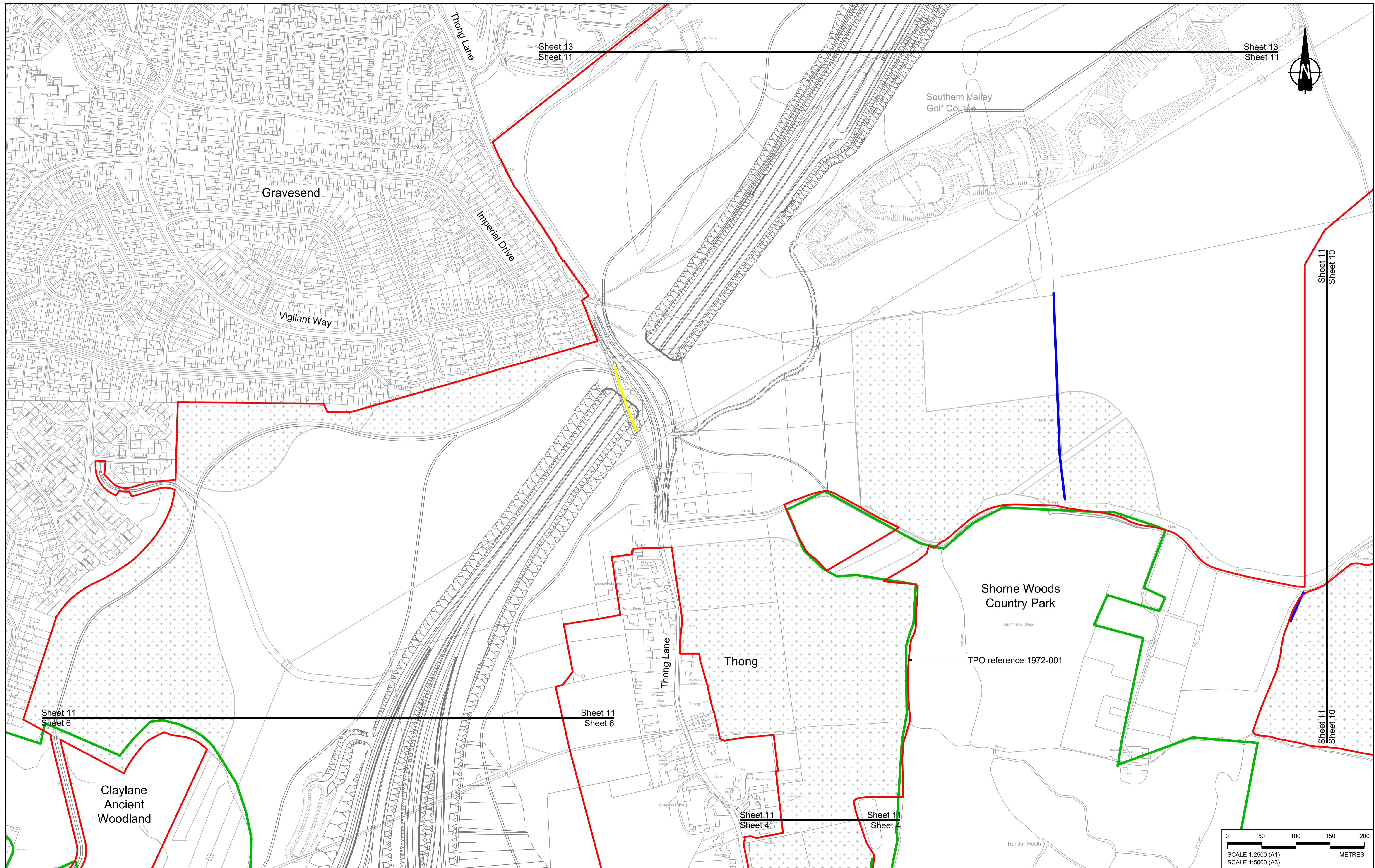
Client

Project

LOWER THAMES CROSSING

Status	DCO Application	Original Size	A1	Revision	P01
Application Document Number	TR010032/APP/2.18	Scale	1:2500		
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Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-LX-60008				

HE540039-CJV-BOP-SZZ_GN000000_-DR-LX-60008.dwg



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

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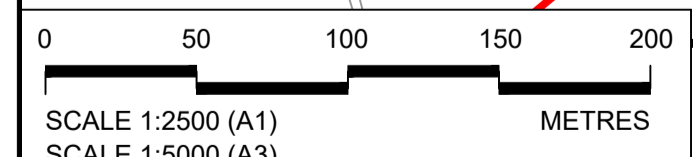
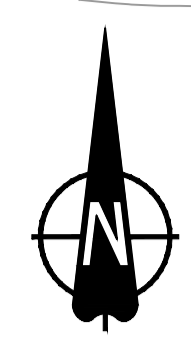
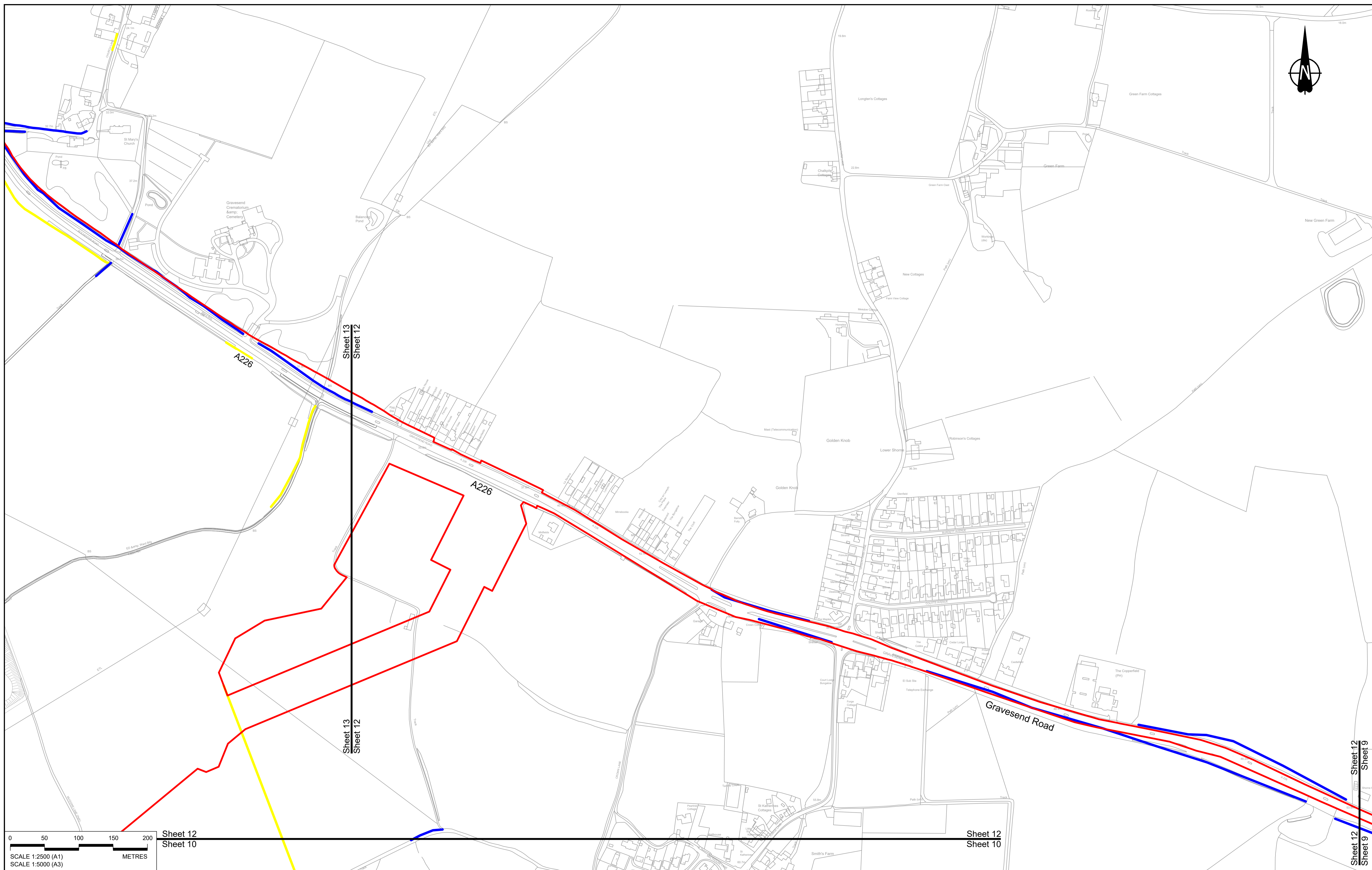
- LEGEND:**
- Order Limits
 - Local Authority Boundary
 - Important Hedgerows (subject to The Hedgerows Regulations 1997)
 - Other Hedgerows
 - Tree Preservation Order - Area, Group or Woodland
 - Tree Preservation Order - Individual Tree



Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A1	Revision	P01
Application Document Number	TR010032/APP/2.18	Scale	1:2500		
Drawing title	HEDGEROW & TREE PRESERVATION ORDER REGULATION 5(2)(o) SHEET 11				
Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-LX-60009				



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NOTES:

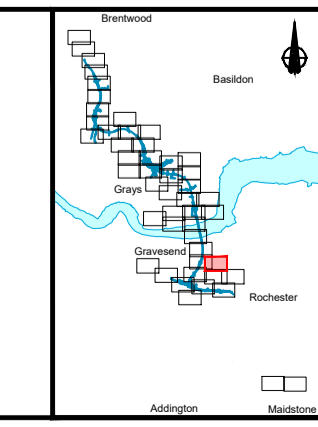
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd
P01	S8	19/10/2022	DCO Application	MS	RO	ASB

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- LEGEND:
- Order Limits
 - Local Authority Boundary
 - Important Hedgerows (subject to The Hedgerows Regulations 1997)
 - Other Hedgerows
 - Tree Preservation Order - Area, Group or Woodland
 - Tree Preservation Order - Individual Tree

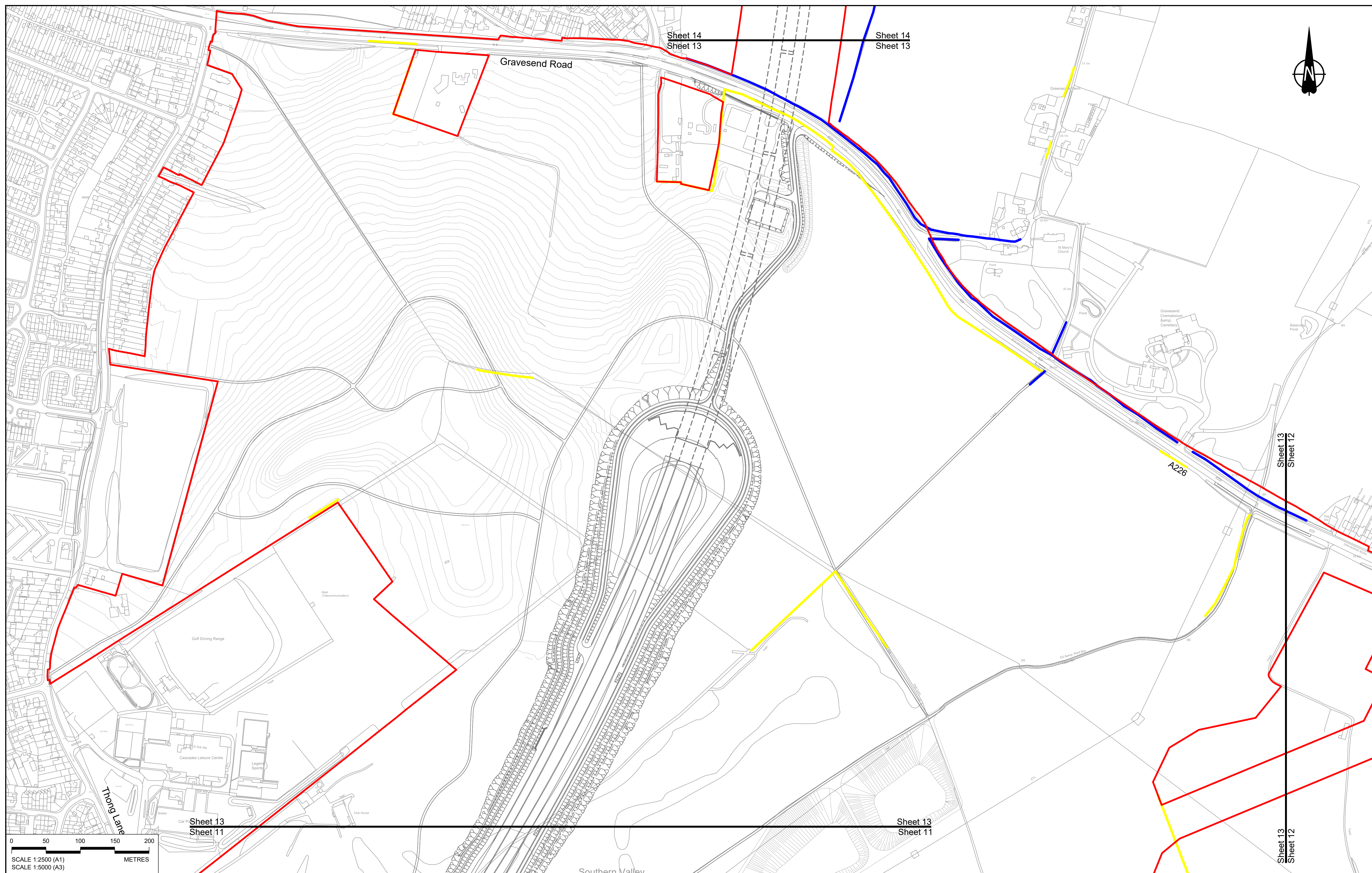


Client

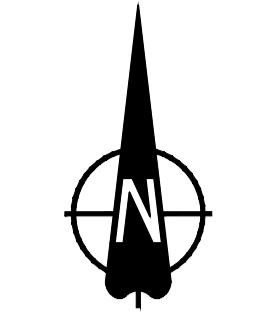
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LOWER THAMES CROSSING

Status	DCO Application	Original Size	A1	Revision	P01
Application Document Number	TR010032/APP/2.18	Scale	1:2500		
Drawing title	HEDGEROW & TREE PRESERVATION ORDER REGULATION 5(2)(o) SHEET 12				
Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-LX-60050				



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd
P01	S8	19/10/2022	DCO Application	MS	RO	ASB

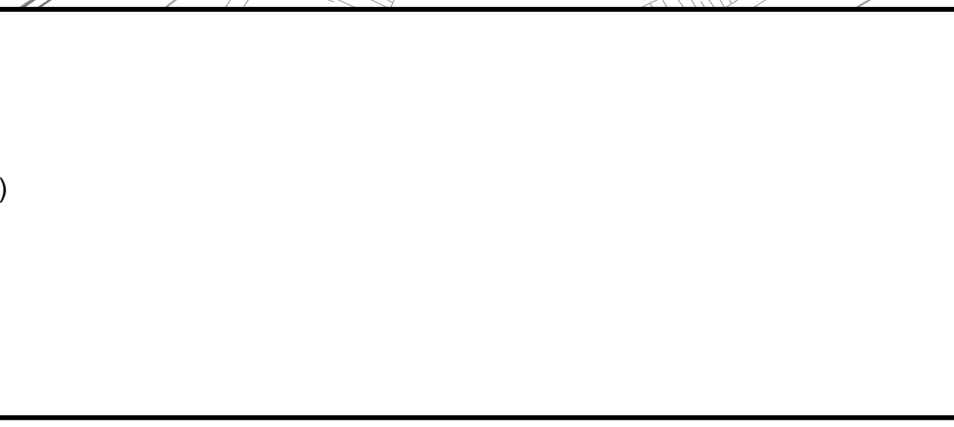
LEGEND:

- Order Limits
- Local Authority Boundary
- Important Hedgerows (subject to The Hedgerows Regulations 1997)
- Other Hedgerows
- Tree Preservation Order - Area, Group or Woodland
- Tree Preservation Order - Individual Tree

Client

Project

LOWER THAMES CROSSING



Status **DCO Application**

Application Document Number **TR010032/APP/2.18**

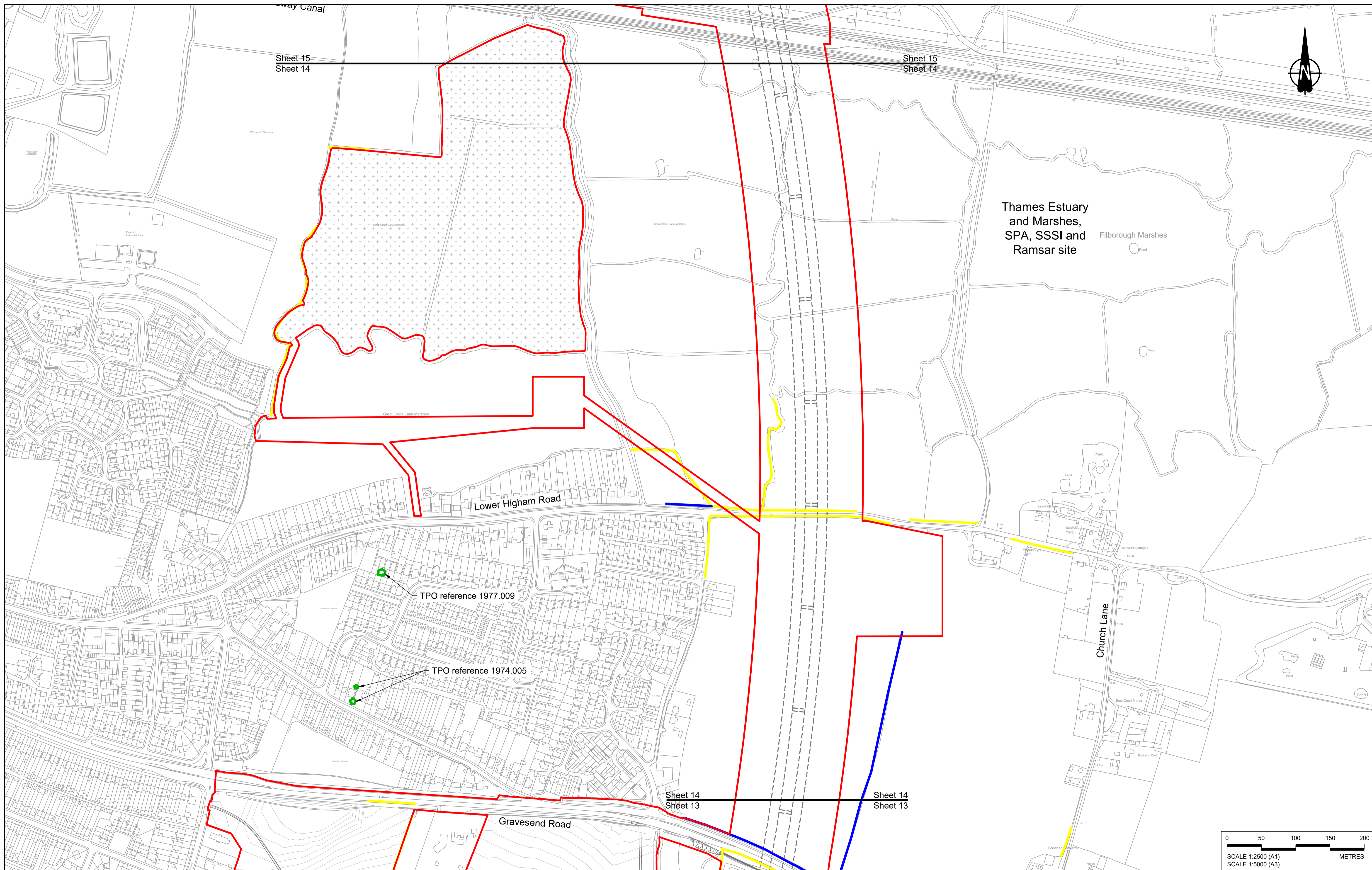
Drawing title **HEDGEROW & TREE PRESERVATION ORDER REGULATION 5(2)(o) SHEET 13**

Drawing Number **HE540039-CJV-BOP-SZZ_GN000000_-DR-LX-60010**

Original Size **A1** Revision **P01**

Scale **1:2500**

HE540039-CJV-BOP-SZZ_GN000000_-DR-LX-60010.dwg



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Thames Estuary and Marshes, SPA, SSSI and Ramsar site

Filborough Marshes

Lower Higham Road

TPO reference 1977.009

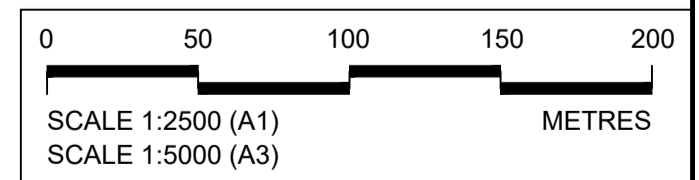
TPO reference 1974.005

Gravesend Road

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Church Lane



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd
P01	S8	19/10/2022	DCO Application	MS	RO	ASB

LEGEND:

- Order Limits
- - - Local Authority Boundary
- Important Hedgerows (subject to The Hedgerows Regulations 1997)
- Other Hedgerows
- Tree Preservation Order - Area, Group or Woodland
- Tree Preservation Order - Individual Tree

Client

Project

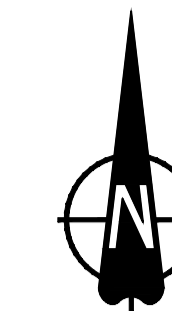
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Status	DCO Application	Original Size	A1	Revision	P01
Application Document Number	TR010032/APP/2.18	Scale	1:2500		
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Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-LX-60011				

HE540039-CJV-BOP-SZZ_GN000000_-DR-LX-60011.dwg
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Thurrock Council
Gravesham Borough Council

River Thames

**NO DESIGN INFORMATION ON THIS SHEET
FOR HEDGEROW & TREE PRESERVATION ORDER**

North Kent Railway and
Thames Medway Canal

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Sheet 14

Sheet 15
Sheet 14

0 50 100 150 200
SCALE 1:2500 (A1)
SCALE 1:5000 (A3)
METRES

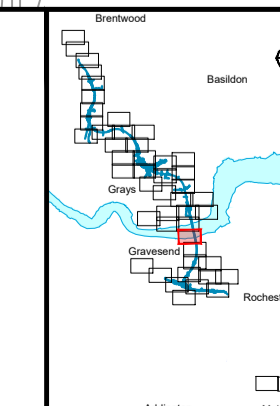
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LEGEND:

- Order Limits
- Local Authority Boundary
- Important Hedgerows (subject to The Hedgerows Regulations 1997)
- Other Hedgerows
- Tree Preservation Order - Area, Group or Woodland
- Tree Preservation Order - Individual Tree



Client
national highways

Project
LOWER THAMES CROSSING

Status
DCO Application

Application Document Number
TR010032/APP/2.18

Drawing title
HEDGEROW & TREE PRESERVATION ORDER REGULATION 5(2)(o) SHEET 15

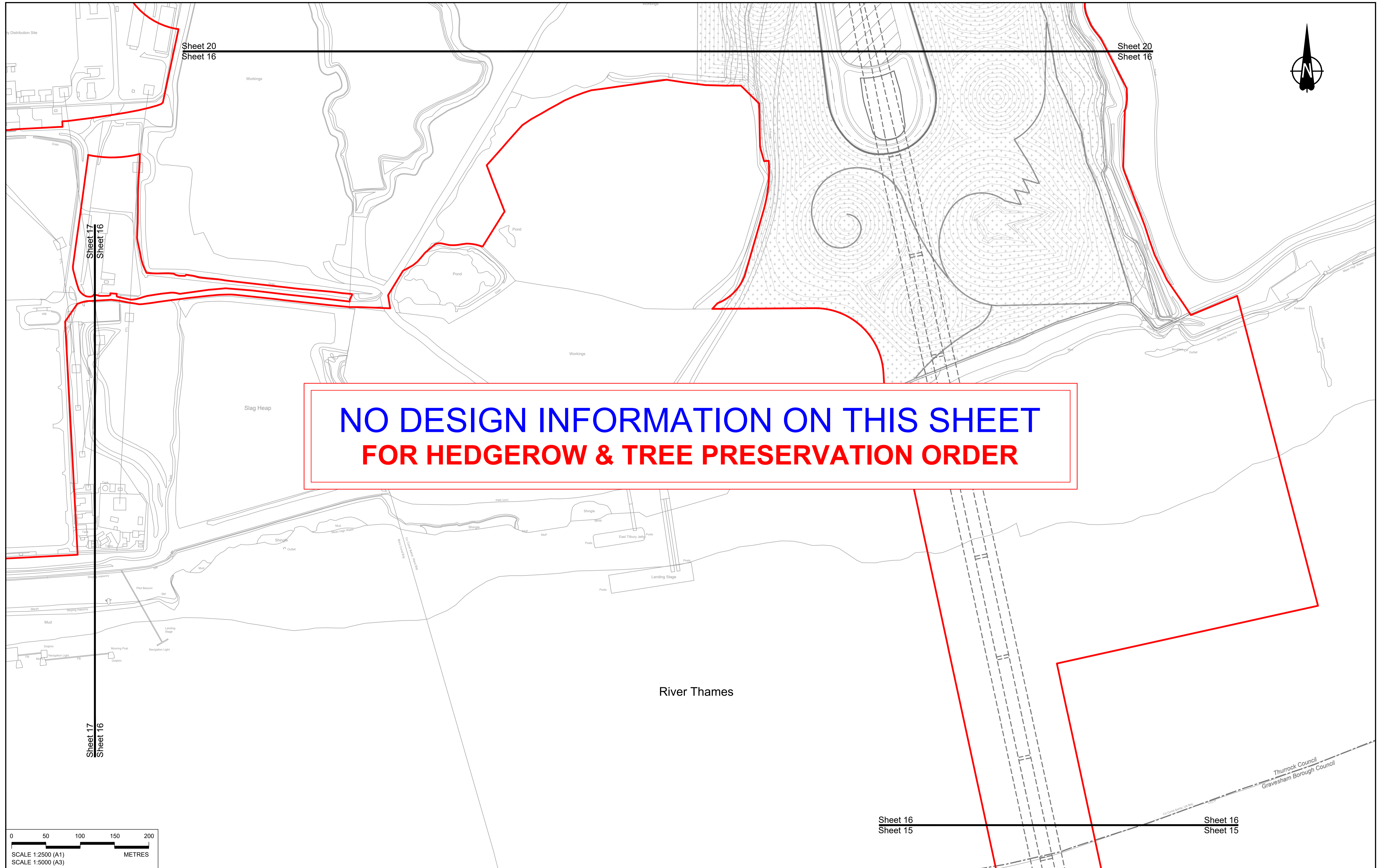
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Original Size
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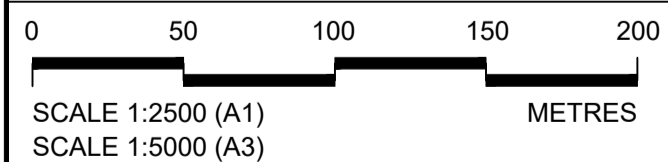
Revision
P01

Scale
1:2500

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



**NO DESIGN INFORMATION ON THIS SHEET
FOR HEDGEROW & TREE PRESERVATION ORDER**



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd
P01	S8	19/10/2022	DCO Application	MS	RO	ASB

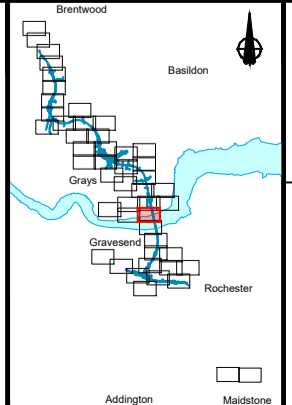
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- LEGEND:**
- Order Limits
 - Local Authority Boundary
 - Important Hedgerows (subject to The Hedgerows Regulations 1997)
 - Other Hedgerows
 - Tree Preservation Order - Area, Group or Woodland
 - Tree Preservation Order - Individual Tree

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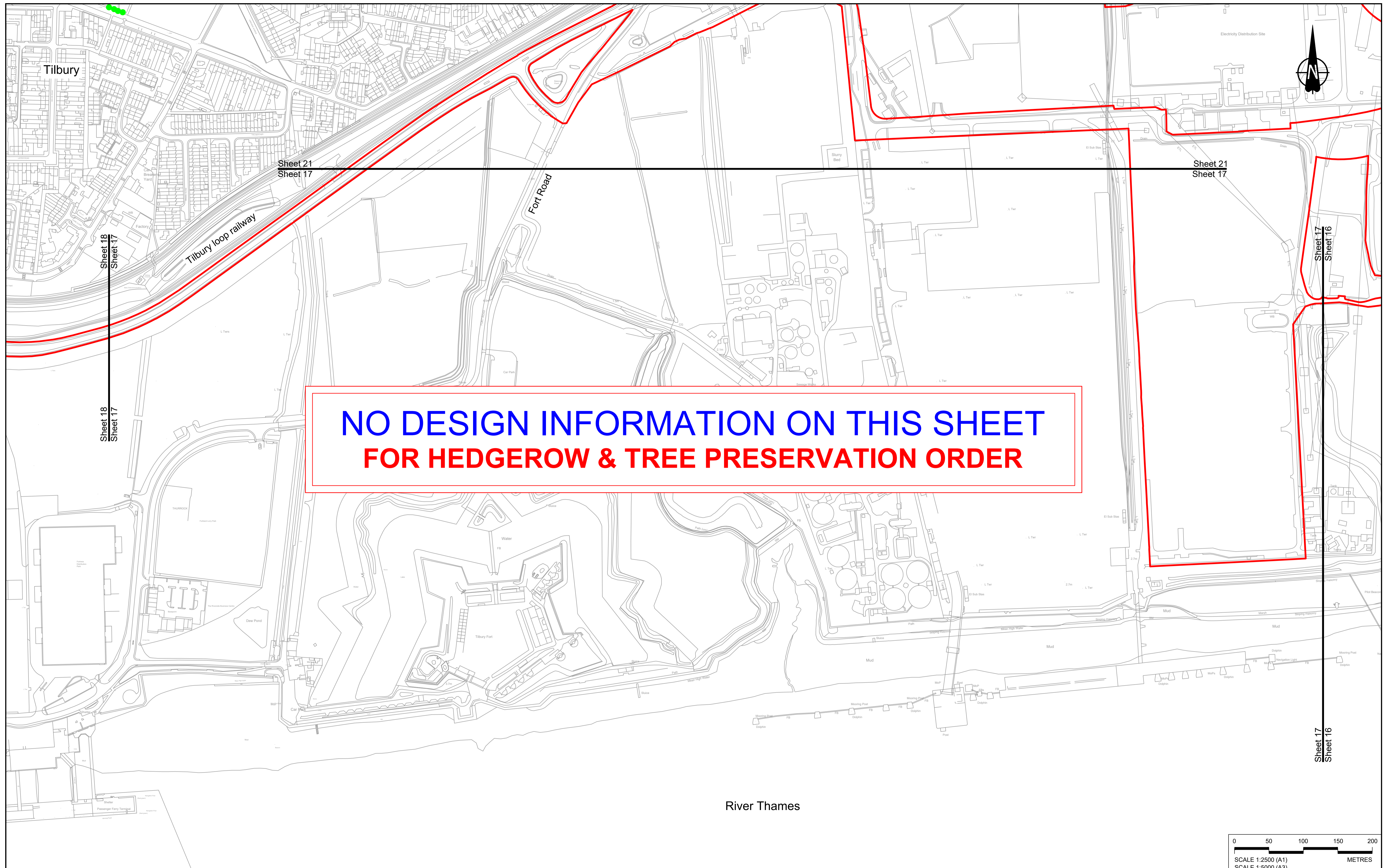
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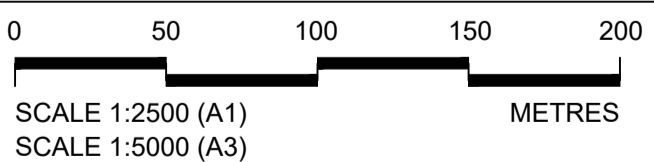
Client: national highways

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A1	Revision	P01
Application Document Number	TR010032/APP/2.18	Scale	1:2500		
Drawing title	HEDGEROW & TREE PRESERVATION ORDER REGULATION 5(2)(o) SHEET 16				
Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-LX-60013				



**NO DESIGN INFORMATION ON THIS SHEET
FOR HEDGEROW & TREE PRESERVATION ORDER**



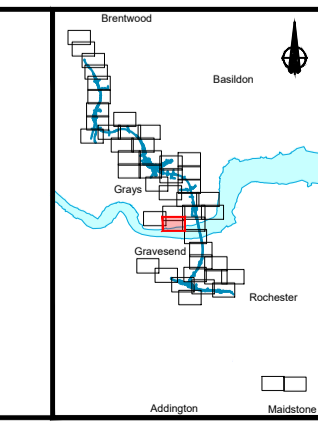
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd
P01	S8	19/10/2022	DCO Application	MS	RO	ASB

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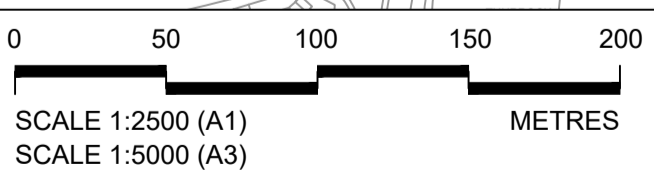
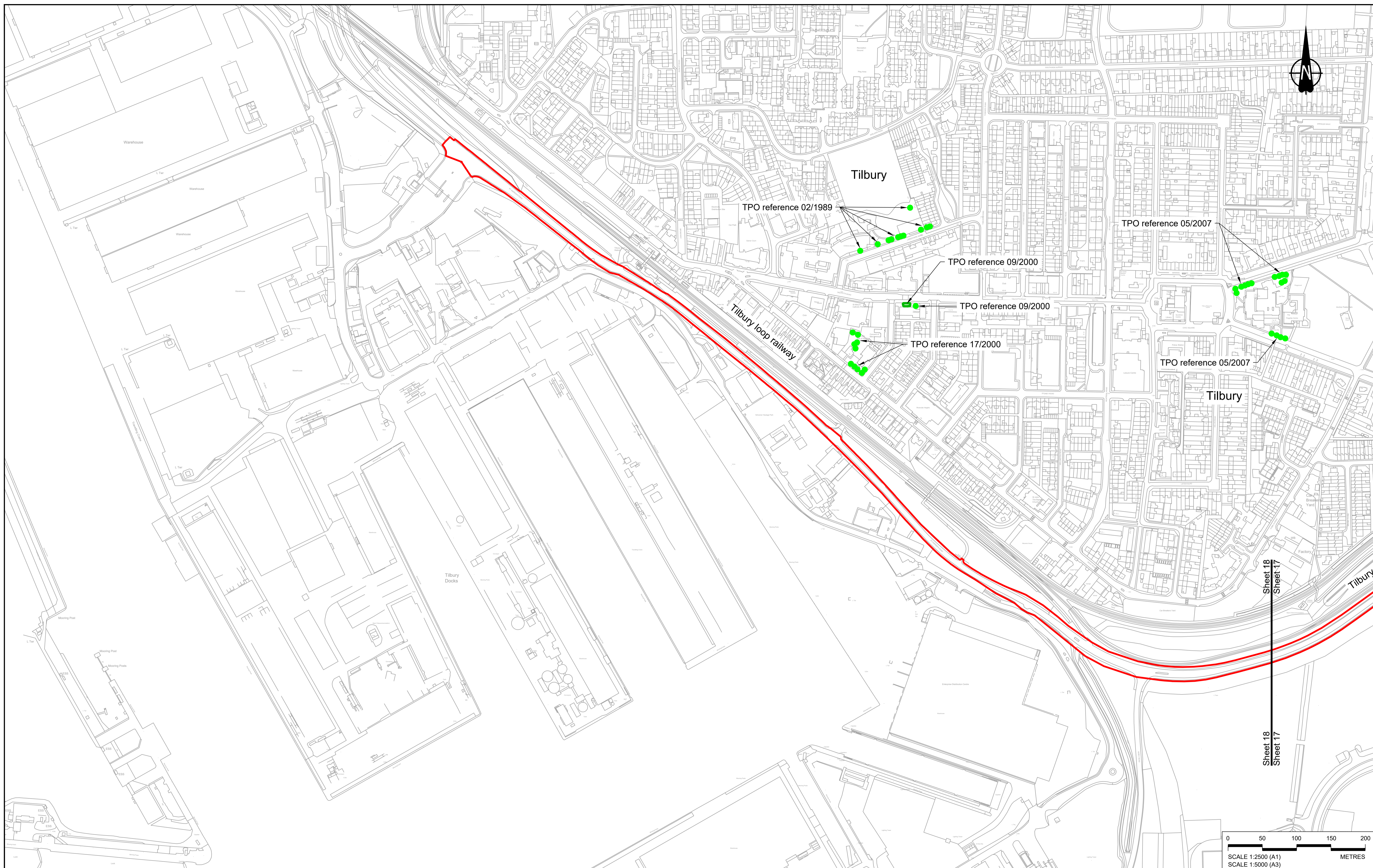
- LEGEND:**
- Order Limits
 - Local Authority Boundary
 - Important Hedgerows (subject to The Hedgerows Regulations 1997)
 - Other Hedgerows
 - Tree Preservation Order - Area, Group or Woodland
 - Tree Preservation Order - Individual Tree



Client: national highways

Project: **LOWER THAMES CROSSING**

Status: DCO Application	Original Size: A1	Revision: P01
Application Document Number: TR010032/APP/2.18	Scale: 1:2500	
Drawing title: HEDGEROW & TREE PRESERVATION ORDER REGULATION 5(2)(o) SHEET 17		
Drawing Number: HE540039-CJV-BOP-SZZ_GN000000_-DR-LX-60014		



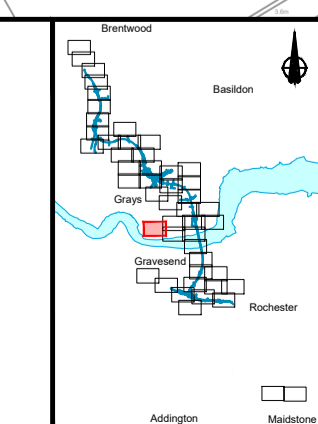
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd
P01	S8	19/10/2022	DCO Application	MS	RO	ASB

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- LEGEND:**
- Order Limits
 - Local Authority Boundary
 - Important Hedgerows (subject to The Hedgerows Regulations 1997)
 - Other Hedgerows
 - Tree Preservation Order - Area, Group or Woodland
 - Tree Preservation Order - Individual Tree

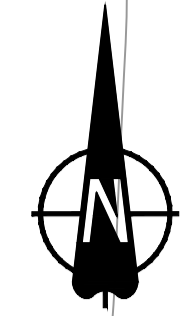
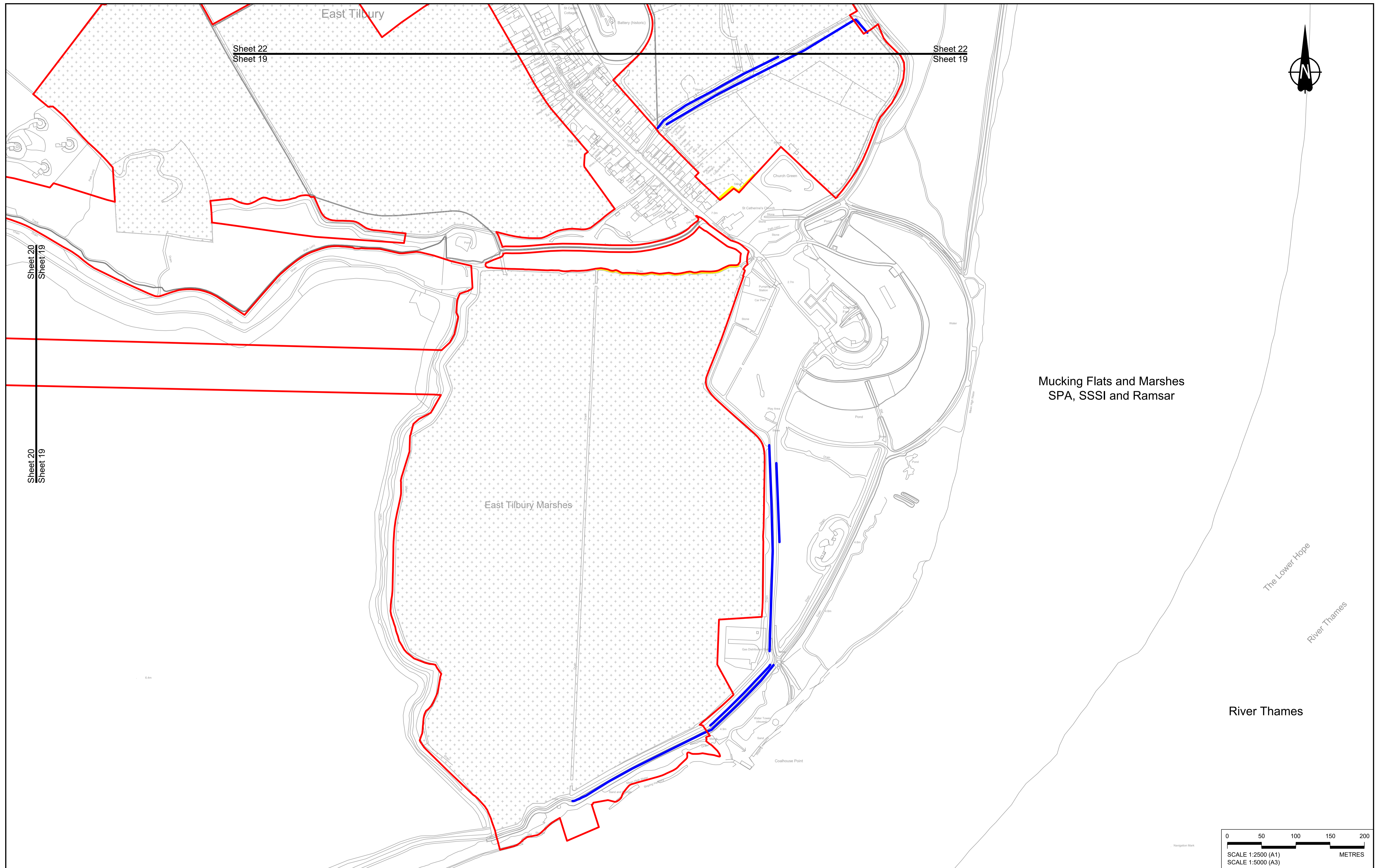


Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/2.18	A1	P01
Drawing title	HEDGEROW & TREE PRESERVATION ORDER REGULATION 5(2)(o) SHEET 18		
Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-LX-60015		

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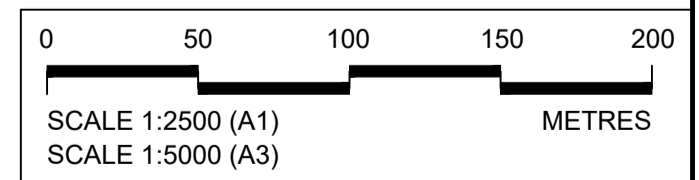
Mucking Flats and Marshes
SPA, SSSI and Ramsar

East Tilbury Marshes

River Thames

The Lower Hope

River Thames



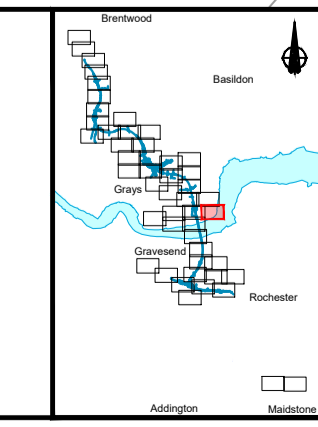
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	MS	RO	ASB

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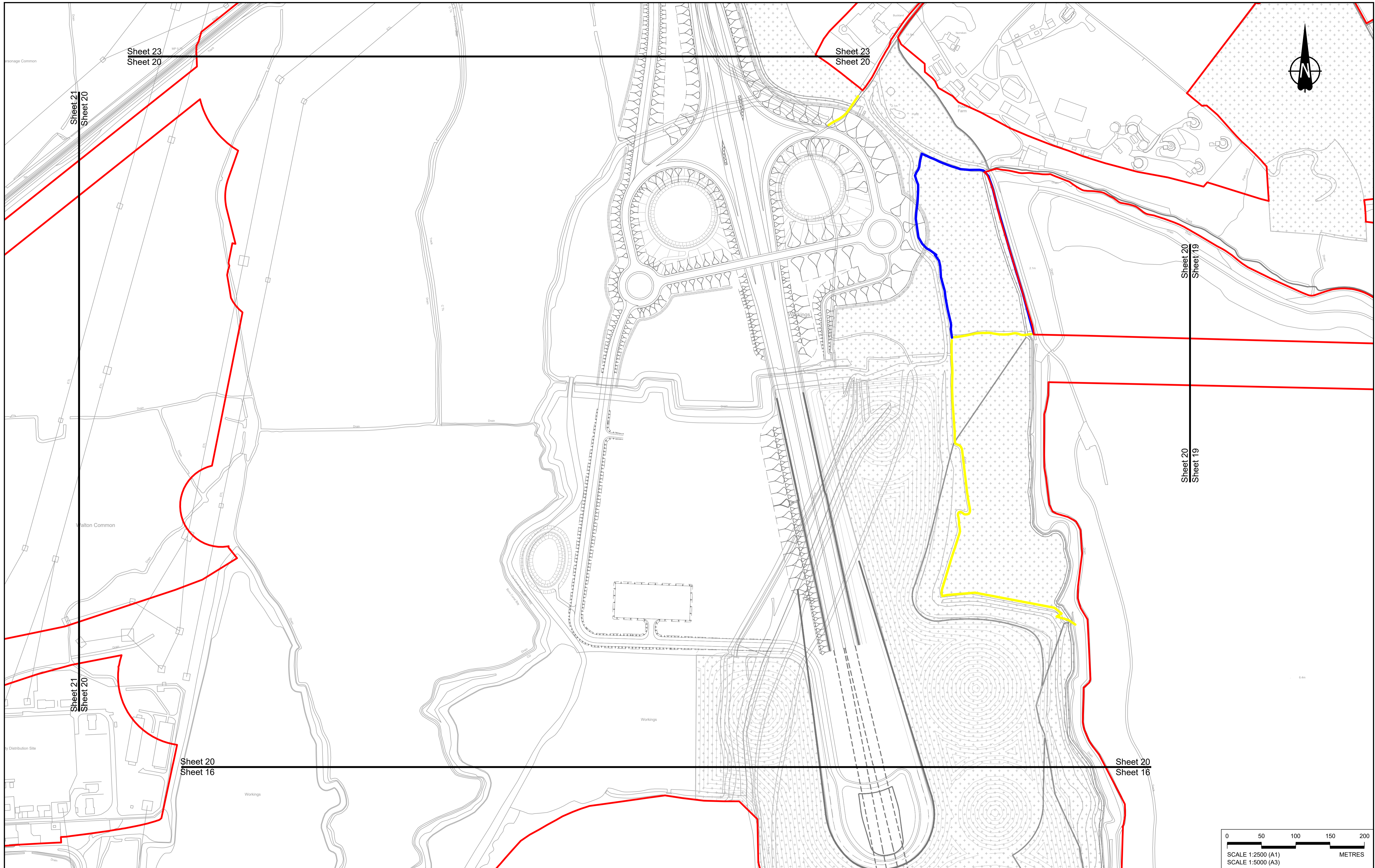
- LEGEND:**
- Order Limits
 - Local Authority Boundary
 - Important Hedgerows (subject to The Hedgerows Regulations 1997)
 - Other Hedgerows
 - Tree Preservation Order - Area, Group or Woodland
 - Tree Preservation Order - Individual Tree



Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO Application		Original Size	Revision
Application Document Number	TR010032/APP/2.18		A1	P01
Drawing title	HEDGEROW & TREE PRESERVATION ORDER REGULATION 5(2)(o) SHEET 19			
Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-LX-60016			



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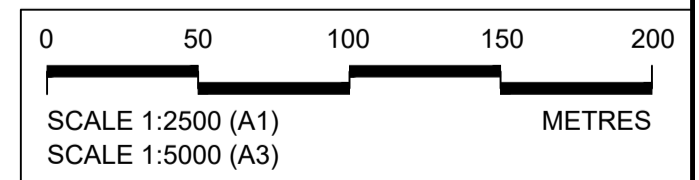
Sheet 20
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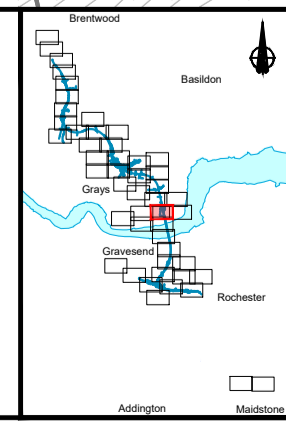
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd
P01	S8	19/10/2022	DCO Application	MS	RO	ASB

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- LEGEND:**
- Order Limits
 - - - Local Authority Boundary
 - Important Hedgerows (subject to The Hedgerows Regulations 1997)
 - Other Hedgerows
 - Tree Preservation Order - Area, Group or Woodland
 - Tree Preservation Order - Individual Tree



Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	Revision
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