

Lower Thames Crossing

2.5 General Arrangement 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: December 2023
DEADLINE: 9

Planning Inspectorate Scheme Ref: TR010032
Application Document Ref: TR010032/APP/2.5

VERSION: 6.0

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
4.0	3 October 2023	Deadline 5
5.0	17 November 2023	Deadline 7
6.0	11 December 2023	Deadline 9

Lower Thames Crossing

2.5 General Arrangement Plans

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(Clean version)

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1 Introduction

- 1.1.1 This document is submitted to the Planning Inspectorate on behalf of the Secretary of State in relation to an application made by National Highways (the Applicant) under section 37 of the Planning Act 2008.
- 1.1.2 The application is for the grant of development consent for the A122 Lower Thames Crossing. Should development consent be granted, the draft A122 (Lower Thames Crossing) Development Consent Order (Application Document 3.1) (the draft Order) will be made by the Secretary of State (subject to any modifications considered appropriate).
- 1.1.3 This document comprises part of the suite of application documentation and is included in the application to comply with Regulations 5(2)(o) and 5(4) of the Infrastructure Planning (Applications: Prescribed Forms and Procedures) 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 General Arrangement Plans is to illustrate:
- the proposed highway works, including embankment and cutting earthworks and structures, including new or modified bridges and retaining walls;
 - the routes proposed for new or improved rights of way; the location of new lighting, traffic signs and gantries;
 - proposed above ground drainage features, including the location of culverts and wetlands and infiltration basins;
 - the tunnels and the tunnel cross passages;
 - areas of environmental works that show ecological habitat creation and receptor sites for protected species;
 - areas for open space provision and replacement land;
 - the location and extent of proposed new hedgerows, highways and ecological fencing and acoustic barriers;
 - the location of grassland and woodland planting areas;
 - the location and extent of utilities diversions for overhead powerlines, underground multiutility works, high pressure gas pipelines, those other gas pipelines with a diameter of 800mm or greater and the location of permanent utility facilities or substation.

- 1.1.5 The information shown on the plans is commensurate with the preliminary design status of the Project and the detailed design will be in accordance with the extent of the defined limits of deviation provided and any approval required under the DCO requirements set out in Schedule 2 of the draft Order (Application Document 3.1).
- 1.1.6 The lateral limits of deviation for the works are shown in the Works Plans (Application Document 2.6) and in the Tunnel Limits of Deviation (Application Document 2.15); article 6 of the draft Order establishes the vertical limits of deviation. Further information about the limits of deviation is provided in the Introduction to the Application (Application Document 1.3).
- 1.1.7 Further details on the height of proposed bridges, structures and embankments and the depth of proposed cuttings, together with cross-sections of structures, longitudinal profiles and typical details for specific design features are provided in the Engineering Drawings and Sections (Application Document 2.9) and in the Structures Plans (Application Document 2.13).
- 1.1.8 To ensure sufficient detail and clarity of information, the General Arrangement 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 approach for the General Arrangement 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. Works Plans (Application Document 2.6)
 - e. Rights of Way and Access Plans (Application Document 2.7)
 - f. Streets Subject to Temporary Restrictions of Use Plans (Application Document 2.8)
 - g. Traffic Regulation Measures Plans (Application Document 2.10)
 - h. Drainage Plans (Application Document 2.16)
 - i. Temporary Works Plans (Application Document 2.17)
 - j. Hedgerow And Tree Preservation Order Plans (Application Document 2.18)
- 1.1.10 The information contained on each sheet of the General Arrangement 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 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.
- 1.1.12 The General Arrangement Plans 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)).
- 1.1.13 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 [\[PD-031\]](#).
- 1.1.17 These plans have been updated for Deadline 5 to include the proposed changes EC01 and EC02 following the procedural decision made by the Examining Authority [\[PD-039\]](#).
- 1.1.18 These plans have been updated for Deadline 7 to include the proposed amendment EA07, as detailed in Deadline 5 cover letter [\[REP5-001\]](#), and proposed amendments EA08 and EA10, as explained in the Applicant’s Amendment Letter ([\[REP6A-023\]](#)). These plans have also been updated to accommodate requests from stakeholders, as described in the cover letter.
- 1.1.19 These plans have been updated for Deadline 9 to include all agreed proposed changes and amendments throughout Examination.

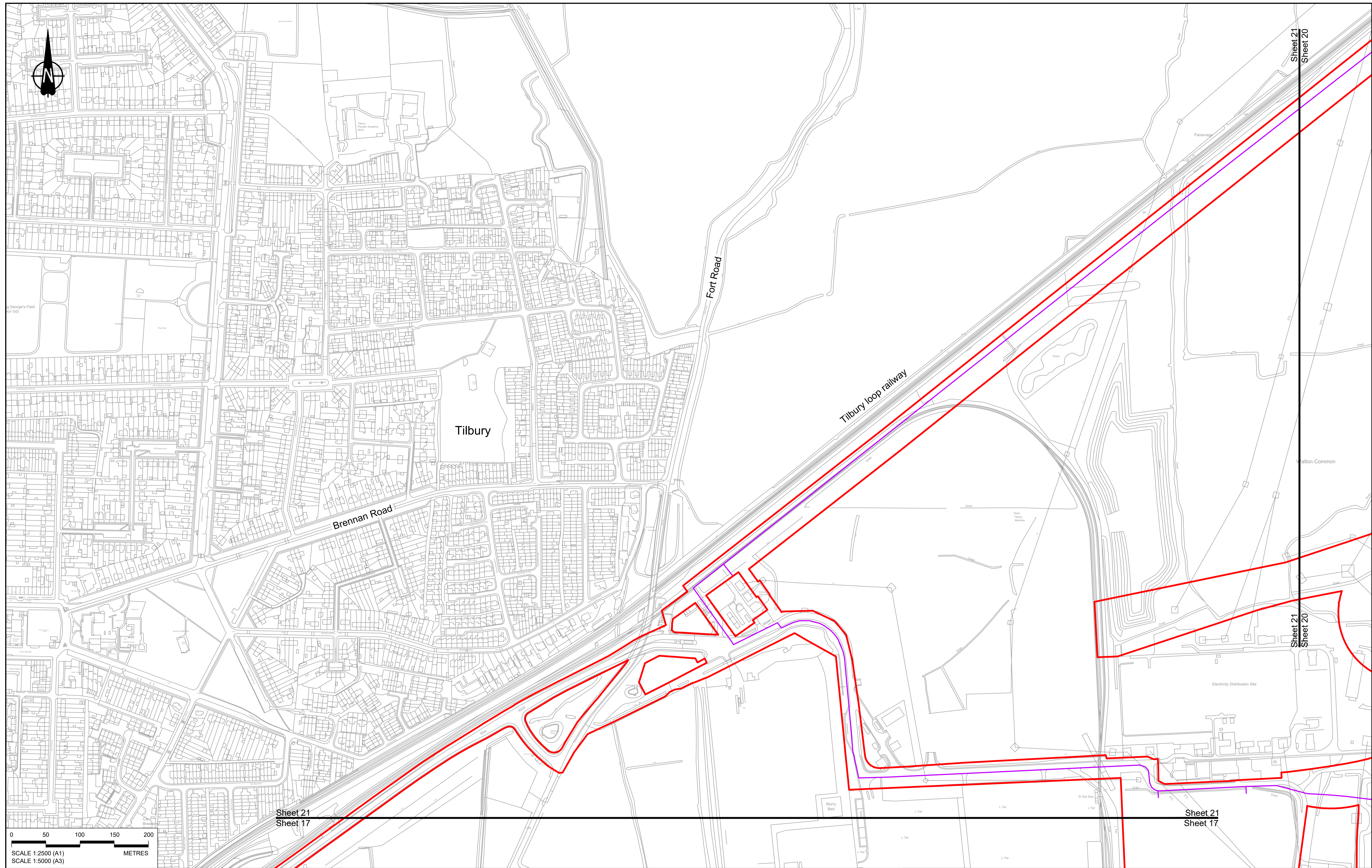
2 Schedule of Plans included in this application document

Document Title	Document Number	Revision
GENERAL ARRANGEMENT REGULATION 5(2)(o) KEY PLAN	TR010032/APP/2.5	P05
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 1	TR010032/APP/2.5	P03
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 2	TR010032/APP/2.5	P03
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 3	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 4	TR010032/APP/2.5	P03
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 5	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 6	TR010032/APP/2.5	P03
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 7	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 8	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 9	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 10	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 11	TR010032/APP/2.5	P04

Document Title	Document Number	Revision
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 12	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 13	TR010032/APP/2.5	P03
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 14	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 15	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 16	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 17	TR010032/APP/2.5	P03
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 18	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 19	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 20	TR010032/APP/2.5	P03
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 21	TR010032/APP/2.5	P03
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 22	TR010032/APP/2.5	P03
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 23	TR010032/APP/2.5	P04
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 24	TR010032/APP/2.5	P03

Document Title	Document Number	Revision
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 25	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 26	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 27	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 28	TR010032/APP/2.5	P03
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 29	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 30	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 31	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 32	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 33	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 34	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 35	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 36	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 37	TR010032/APP/2.5	P02

Document Title	Document Number	Revision
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 38	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 39	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 40	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 41	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 42	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 43	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 44	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 45	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 46	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 47	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 48	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 49	TR010032/APP/2.5	P02



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	S8	19/10/2022	DCO Application	GP	RO	ASB
P02	S8	17/11/2023	Deadline 7	GP	RO	ASB
P03	S8	11/12/2023	Deadline 9	GP	RO	ASB

NOTES:

- The proposed arrangement of the Scheme is 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 the Development Consent Order (application document reference TR010032/APP/3.1).
- For Environmental details refer to the Environmental Masterplan (application document reference TR010032/APP/6.2 Fig 2.4) and Environmental Constraints Plan (application document reference TR010032/APP/6.2 Fig 2.3) and associated drawings and documents.

BOUNDARIES

- Order Limits
- Local Authority boundary
- Proposed replacement travellers site

PROPOSED ENGINEERING AND CONSTRUCTION

- New carriageway
- Overbridge
- Underpass

PROPOSED UTILITIES

- Underground gas diversion
- Realigned or modified overhead electricity line
- Underground multistage alignment
- Diversion ties into existing network
- Utility compound or substation

PROPOSED ENVIRONMENTAL WORKS

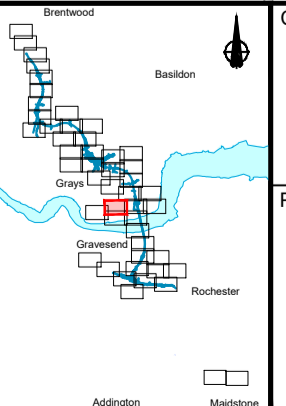
- Woodland planting
- Grassland planting
- Ecological habitat creation and receptor site for protected species
- Temporary ecological habitat
- Bat Barn structure
- Ecological pond

PROPOSED ENVIRONMENTAL WORKS

- Woodland planting
- Grassland planting
- Ecological habitat creation and receptor site for protected species
- Temporary ecological habitat
- Bat Barn structure
- Ecological pond

PROPOSED ENVIRONMENTAL WORKS

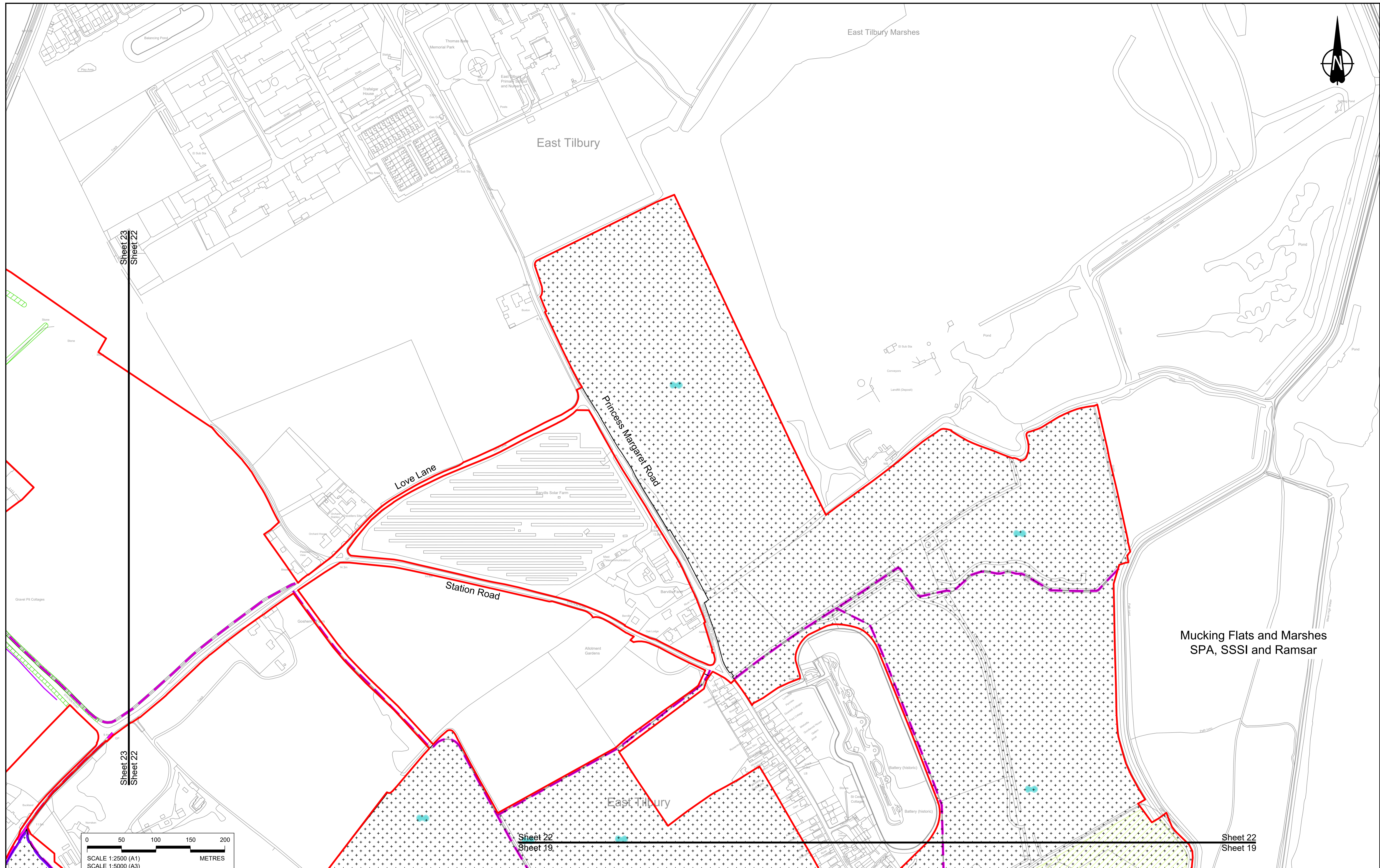
- Woodland planting
- Grassland planting
- Ecological habitat creation and receptor site for protected species
- Temporary ecological habitat
- Bat Barn structure
- Ecological pond



Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P03
Application Document Number	TR010032/APP/2.5	Scale	1:2500		
Drawing title	GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 21				
Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10018				

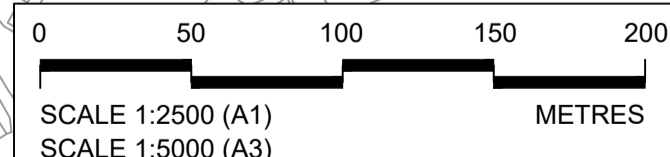


Sheet 23
Sheet 22

Sheet 23
Sheet 22

Sheet 22
Sheet 19

Sheet 22
Sheet 19



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BOUNDARIES

- Order Limits
- Local Authority boundary
- Proposed replacement travellers site

PROPOSED ENGINEERING AND CONSTRUCTION

- New carriageway
- Overbridge
- Underpass

- Culvert
- Traffic sign
- Gantry
- Lighting
- Infiltration basin, detention basin or retention pond
- Walking, cycling and horse-riding routes
- Green Roof for Tunnel Service Building
- Tunnel
- Ground protection tunnel

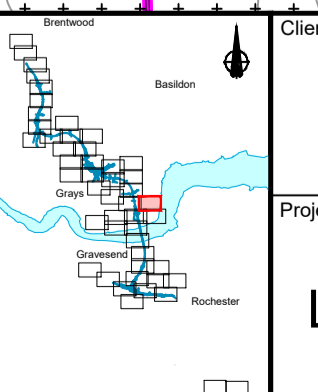
PROPOSED UTILITIES

- Underground gas diversion
- Realigned or modified overhead electricity line
- Underground multiutility alignment
- Diversion ties into existing network
- Utility compound or substation

PROPOSED ENVIRONMENTAL WORKS

- Woodland planting
- Grassland planting
- Ecological habitat creation and receptor site for protected species
- Temporary ecological habitat
- Bat Barn structure
- Ecological pond

- Flood Compensation Area
- Open space provision, replacement open space or replacement common land
- Hedgerow
- Watercourse diversion
- Ecological fencing (badger)
- Acoustic barrier
- Fencing

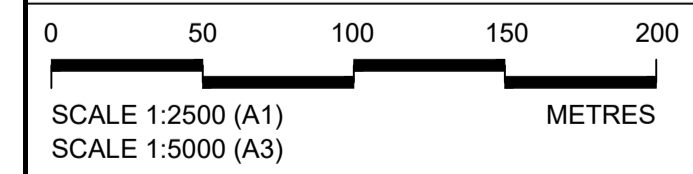
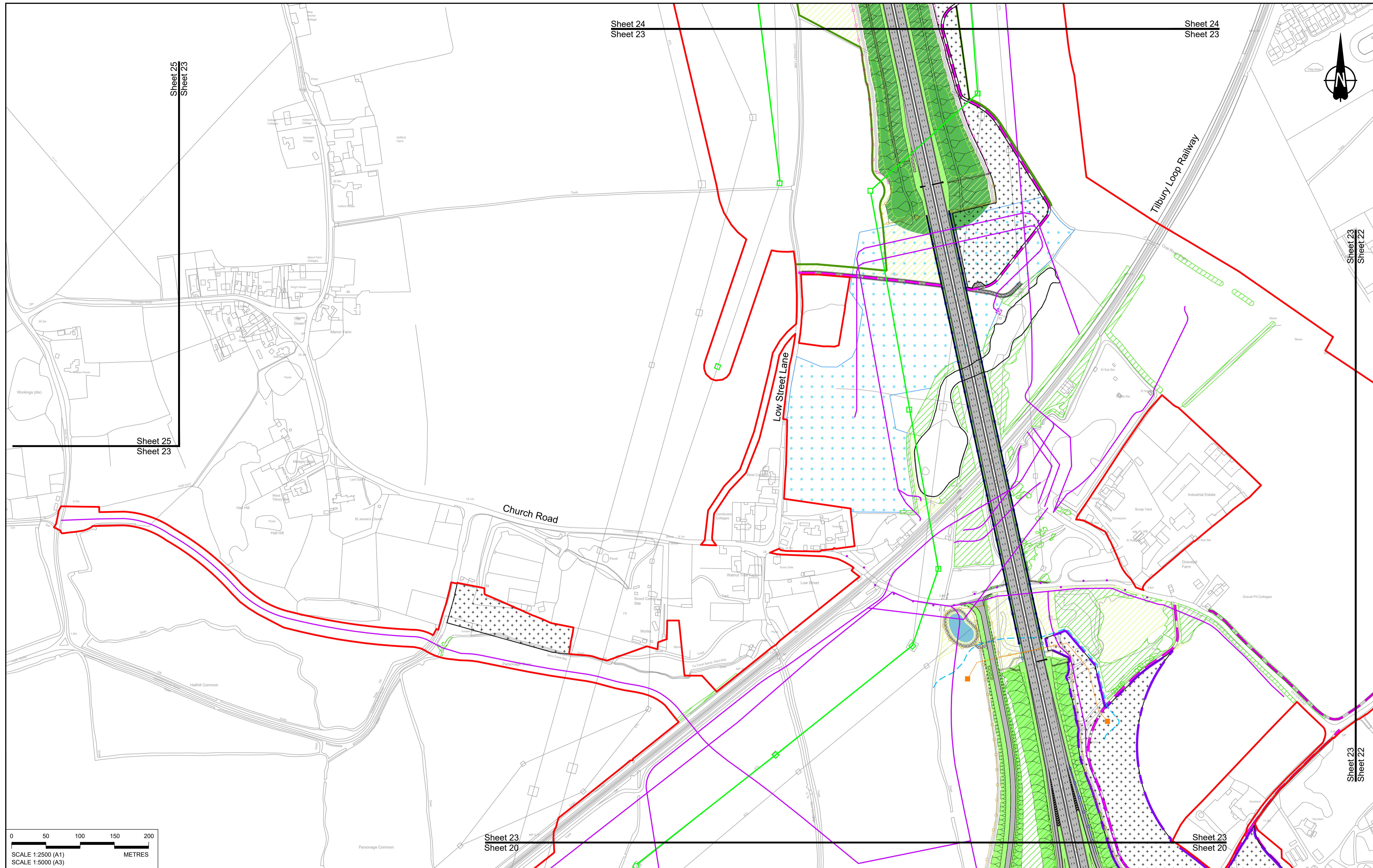


Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P03
Application Document Number	TR010032/APP/2.5	Scale	1:2500		
Drawing title	GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 22				
Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10019				

Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	S8	19/10/2022	DCO Application	GP	RO	ASB
P02	S8	19/09/2023	Deadline 4	GP	RO	ASB
P03	S8	11/12/2023	Deadline 9	GP	RO	ASB



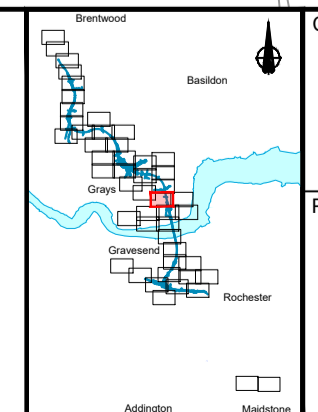
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	S8	19/10/2022	DCO Application	GP	RO	ASB
P02	S8	24/08/2023	Deadline 3	GP	RO	ASB
P03	S8	19/09/2023	Deadline 4	GP	RO	ASB
P04	S8	11/12/2023	Deadline 9	GP	RO	ASB

NOTES:
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BOUNDARIES
 Order Limits
 Local Authority boundary
 Proposed replacement travellers site
PROPOSED ENGINEERING AND CONSTRUCTION
 New carriageway
 Overbridge
 Underpass
 Culvert
 Traffic sign
 Gantry
 Lighting
 Infiltration basin, detention basin or retention pond
 Walking, cycling and horse-riding routes
 Green Roof for Tunnel Service Building
 Tunnel
 Ground protection tunnel

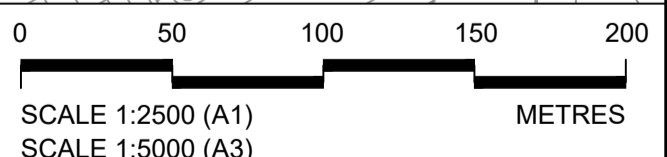
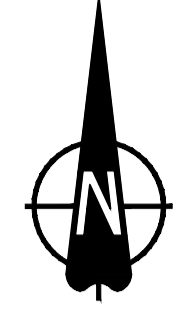
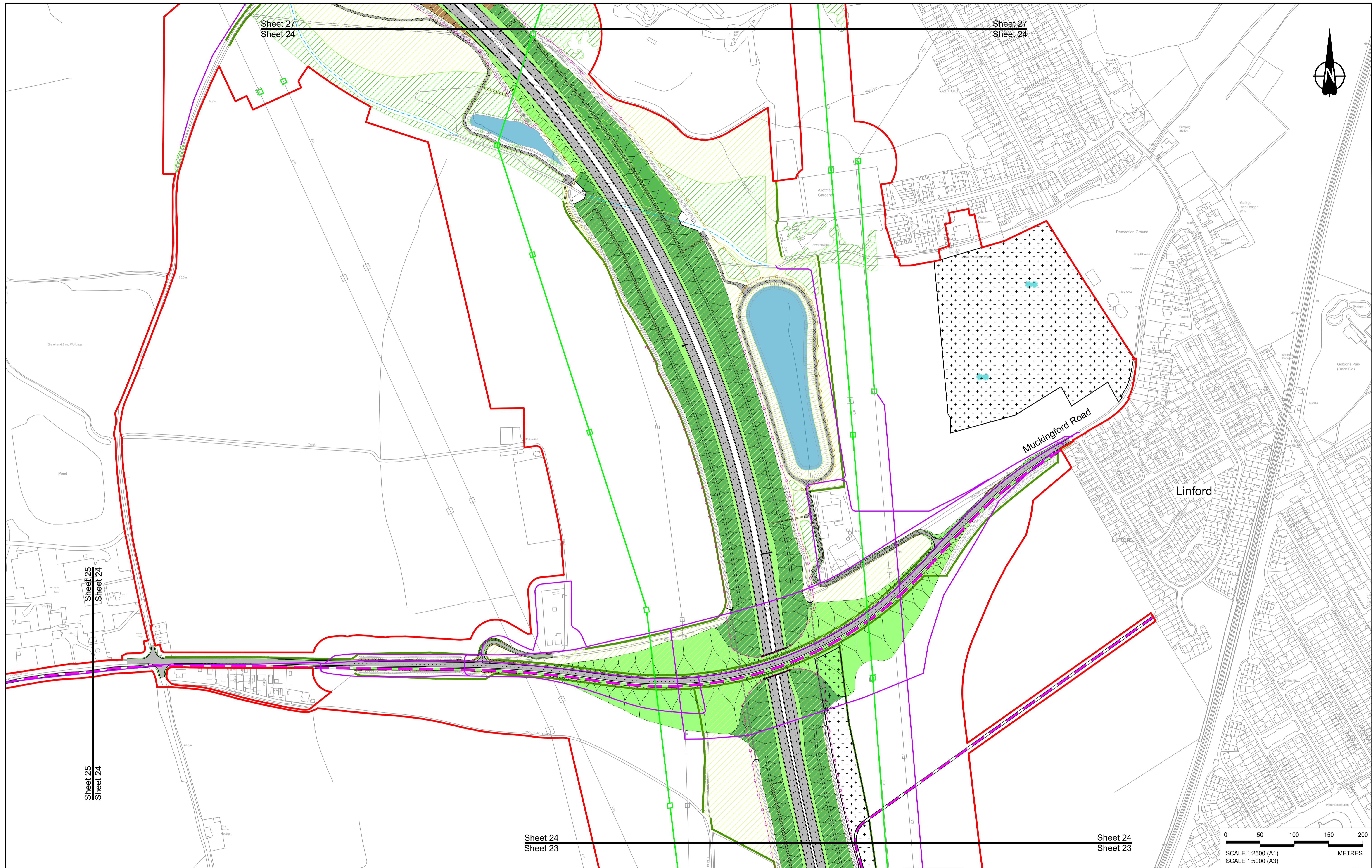
Earthworks - Cutting
 Earthworks - Embankment
 Earthworks - False cutting and landscaping
 Verges
 Retaining wall
 Water pipe & self-regulating valve
 Maintenance access
 Car park
 Rendezvous point
PROPOSED UTILITIES
 Underground gas diversion
 Realigned or modified overhead electricity line
 Underground multiutility alignment
 Diversion ties into existing network
 Utility compound or substation
 Central reserve crossing point

PROPOSED ENVIRONMENTAL WORKS
 Woodland planting
 Grassland planting
 Ecological habitat creation and receptor site for protected species
 Temporary ecological habitat
 Bat Barn structure
 Ecological pond
 Flood Compensation Area
 Open space provision, replacement open space or replacement common land
 Hedgerow
 Watercourse diversion
 Ecological fencing (badger)
 Acoustic barrier
 Fencing



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

Status	DCO Examination	Original Size	A1	Revision	P04
Application Document Number	TR010032/APP/2.5	Scale	1:2500		
Drawing title	GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 23				
Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10020				



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	S8	19/10/2022	DCO Application	GP	RO	ASB
P02	S8	19/09/2023	Deadline 4	GP	RO	ASB
P03	S8	11/12/2023	Deadline 9	GP	RO	ASB

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BOUNDARIES

	Order Limits
	Local Authority boundary
	Proposed replacement travellers site

PROPOSED ENGINEERING AND CONSTRUCTION

	New carriageway
	Overbridge
	Underpass

	Culvert
	Traffic sign
	Gantry
	Lighting
	Infiltration basin, detention basin or retention pond
	Green Roof for Tunnel Service Building
	Tunnel
	Ground protection tunnel

PROPOSED UTILITIES

	Central reserve crossing point
	Underground gas diversion
	Realigned or modified overhead electricity line
	Underground multiutility alignment
	Division ties into existing network
	Utility compound or substation

PROPOSED ENVIRONMENTAL WORKS

	Woodland planting
	Grassland planting
	Ecological habitat creation and receptor site for protected species
	Temporary ecological habitat
	Bat Barn structure
	Ecological pond

FLOOD COMPENSATION AREA

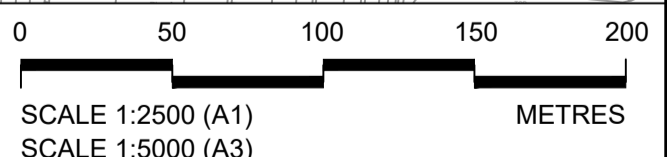
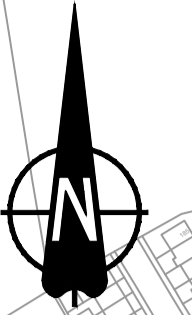
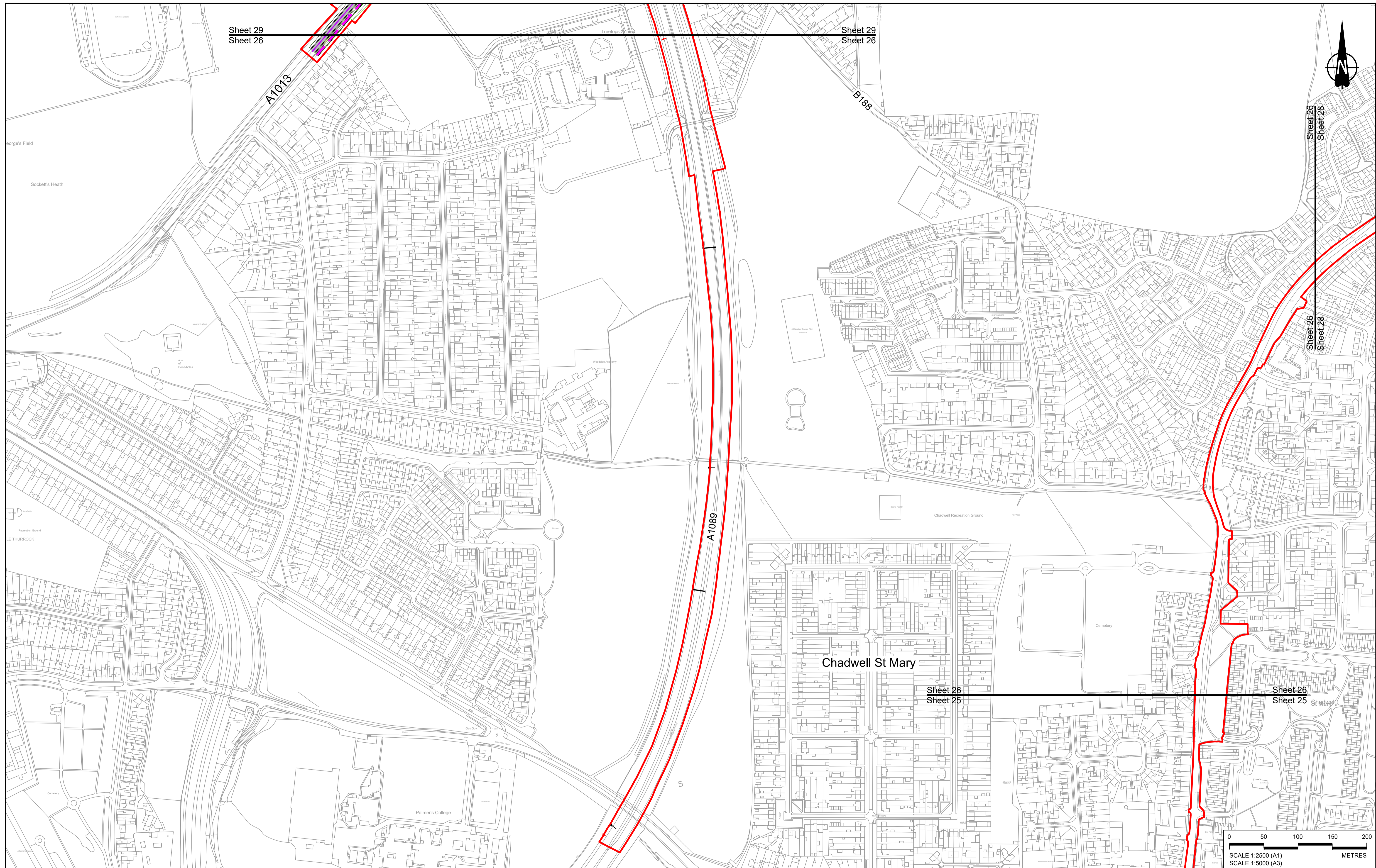
	Flood Compensation Area
	Open space provision, replacement open space or replacement common land
	Hedgerow
	Watercourse diversion
	Ecological fencing (badger)
	Acoustic barrier
	Fencing

national highways

Client:

Project: **LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P03
Application Document Number	TR010032/APP/2.5	Scale	1:2500		
Drawing title	GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 24				
Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10021				



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

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BOUNDARIES

	Order Limits
	Local Authority boundary
	Proposed replacement travellers site

PROPOSED ENGINEERING AND CONSTRUCTION

	New carriageway
	Overbridge
	Underpass

	Culvert
	Traffic sign
	Gantry
	Lighting
	Infiltration basin, detention basin or retention pond
	Walking, cycling and horse-riding routes
	Green Roof for Tunnel Service Building
	Tunnel
	Ground protection tunnel

PROPOSED UTILITIES

	Central reserve crossing point
	Underground gas diversion
	Realigned or modified overhead electricity line
	Underground multiutility alignment
	Diversion ties into existing network
	Utility compound or substation

PROPOSED ENVIRONMENTAL WORKS

	Woodland planting
	Grassland planting
	Ecological habitat creation and receptor site for protected species
	Temporary ecological habitat
	Bat Barn structure
	Ecological pond

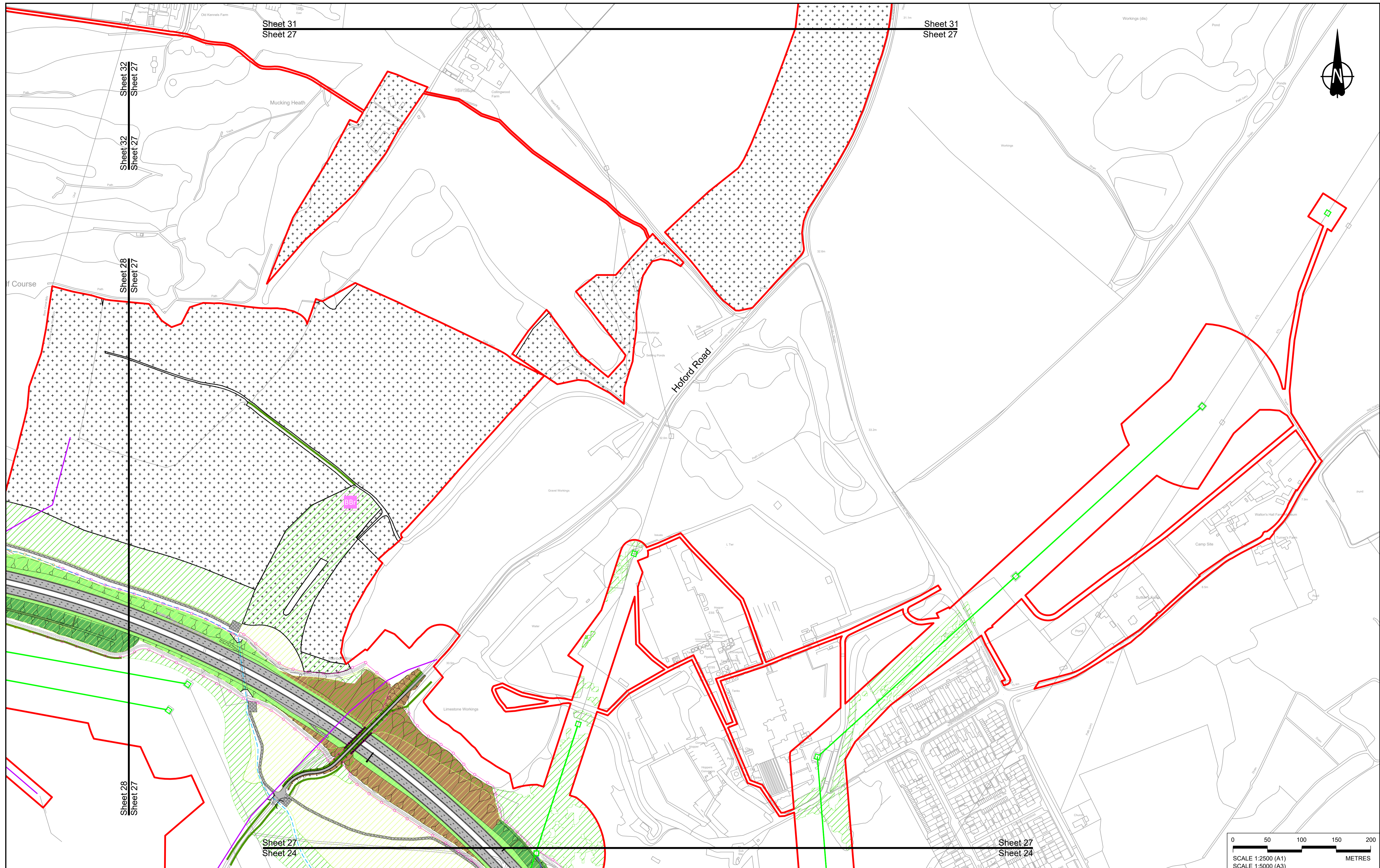
	Flood Compensation Area
	Open space provision, replacement open space or replacement common land
	Hedgerow
	Watercourse diversion
	Ecological fencing (badger)
	Acoustic barrier
	Fencing

Client:

Project:

LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.5	Scale	1:2500		
Drawing title	GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 26				
Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10023				



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

NOTES:

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- For Environmental details refer to the Environmental Masterplan (application document reference TR010032/APP/6.2 Fig 2.4) and Environmental Constraints Plan (application document reference TR010032/APP/6.2 Fig 2.3) and associated drawings and documents.

BOUNDARIES

- Order Limits
- Local Authority boundary
- Proposed replacement travellers site

PROPOSED ENGINEERING AND CONSTRUCTION

- New carriageway
- Overbridge
- Underpass

PROPOSED UTILITIES

- Underground gas diversion
- Realigned or modified overhead electricity line
- Underground multi-utility alignment
- Division ties into existing network
- Utility compound or substation

PROPOSED ENVIRONMENTAL WORKS

- Woodland planting
- Grassland planting
- Ecological habitat creation and receptor site for protected species
- Temporary ecological habitat
- Bat Barn structure
- Ecological pond

PROPOSED ENVIRONMENTAL WORKS

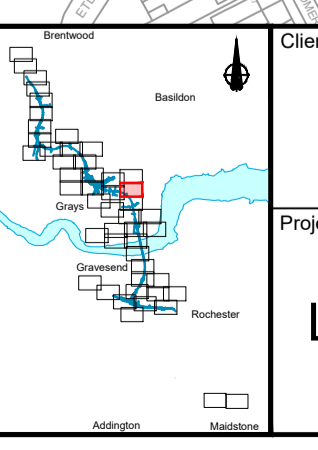
- Earthworks - Cutting
- Earthworks - Embankment
- Earthworks - False cutting and landscaping
- Verge
- Retaining wall
- Water pipe & self-regulating valve
- Maintenance access
- Car park
- Rendezvous point

PROPOSED UTILITIES

- Central reserve crossing point

PROPOSED ENVIRONMENTAL WORKS

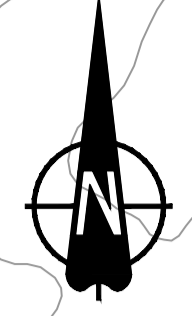
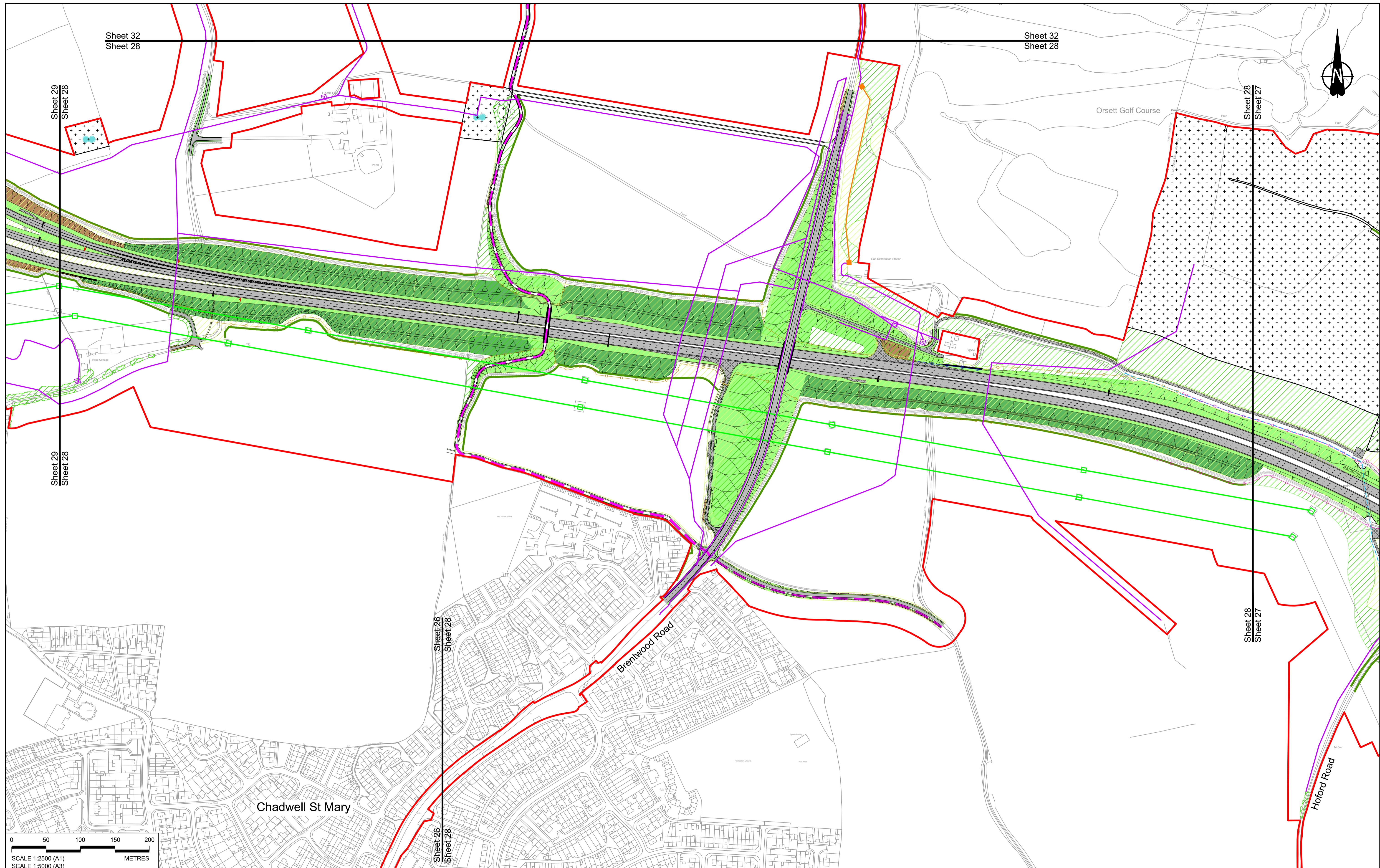
- Flood Compensation Area
- Open space provision, replacement open space or replacement common land
- Hedgerow
- Watercourse diversion
- Ecological fencing (badger)
- Acoustic barrier
- Fencing



Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.5	Scale	1:2500		
Drawing title	GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 27				
Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10024				



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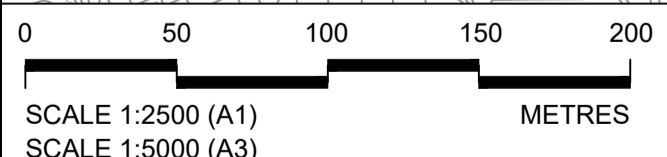
Sheet 28
Sheet 27

Sheet 26
Sheet 28

Brentwood Road

Chadwell St Mary

Horford Road



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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P01	S8	19/10/2022	DCO Application	GP	RO	ASB
P02	S8	03/10/2023	Deadline 5	GP	RO	ASB
P03	S8	11/12/2023	Deadline 9	GP	RO	ASB

NOTES:
 1. The proposed arrangement of the Scheme is illustrative only and will be subject to change as part of detailed design development. Any changes will be limited to being within the constraints included in the Development Consent Order (application document reference TR010032/APP/3.1).
 2. These plans should be read in conjunction with the Development Consent Order (application document reference TR010032/APP/3.1) and Environmental Constraints Plan (application document reference TR010032/APP/6.2 Fig 2.4) and Environmental Constraints Plan (application document reference TR010032/APP/6.2 Fig 2.3) and associated drawings and documents.

BOUNDARIES

	Order Limits
	Local Authority boundary
	Proposed replacement travellers site

PROPOSED ENGINEERING AND CONSTRUCTION

	New carriageway
	Overbridge
	Underpass

	Culvert
	Traffic sign
	Gantry
	Lighting
	Infiltration basin, detention basin or retention pond
	Walking, cycling and horse-riding routes
	Green Roof for Tunnel Service Building
	Tunnel
	Ground protection tunnel

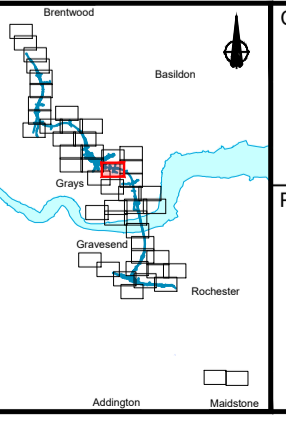
PROPOSED UTILITIES

	Central reserve crossing point
	Underground gas diversion
	Realigned or modified overhead electricity line
	Underground multitenancy alignment
	Diversion ties into existing network
	Utility compound or substation

PROPOSED ENVIRONMENTAL WORKS

	Woodland planting
	Grassland planting
	Ecological habitat creation and receptor site for protected species
	Temporary ecological habitat
	Bat Barn structure
	Ecological pond

	Flood Compensation Area
	Open space provision, replacement open space or replacement common land
	Hedgerow
	Watercourse diversion
	Ecological fencing (badger)
	Acoustic barrier
	Fencing



national highways

Client

Project

LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P03
Application Document Number	TR010032/APP/2.5	Scale	1:2500		
Drawing title	GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 28				
Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10025				



Wedbridge Road

A13

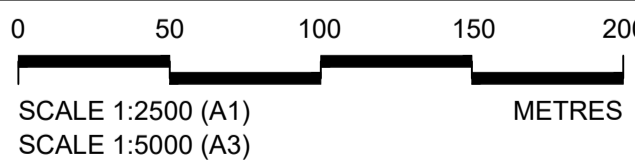
A1012

North
Stifford

Little Thurrock

William Edwards School
and Sports College
(secondary)

Sheet 30
Sheet 29



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NOTES:

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

BOUNDARIES

- Order Limits
- Local Authority boundary
- Proposed replacement travellers site

PROPOSED ENGINEERING AND CONSTRUCTION

- New carriageway
- Overbridge
- Underpass

- Culvert
- Traffic sign
- Gantry
- Lighting
- Infiltration basin, detention basin or retention pond
- Walking, cycling and horse-riding routes
- Green Roof for Tunnel Service Building
- Tunnel
- Ground protection tunnel

- Earthworks - Cutting
- Earthworks - Embankment
- Earthworks - False cutting and landscaping
- Verge
- Retaining wall
- Water pipe & self-regulating valve
- Maintenance access
- Car park
- Rendezvous point

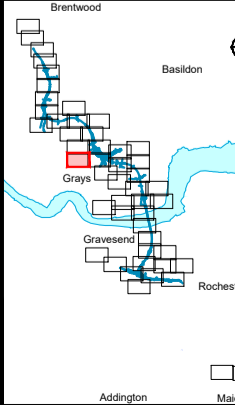
PROPOSED UTILITIES

- Central reserve crossing point
- Underground gas diversion
- Realigned or modified overhead electricity line
- Underground multiutility alignment
- Division ties into existing network
- Utility compound or substation

PROPOSED ENVIRONMENTAL WORKS

- Woodland planting
- Grassland planting
- Ecological habitat creation and receptor site for protected species
- Temporary ecological habitat
- Bat Barn structure
- Ecological pond

- Flood Compensation Area
- Open space provision, replacement open space or replacement common land
- Hedgerow
- Watercourse diversion
- Ecological fencing (badger)
- Acoustic barrier
- Fencing

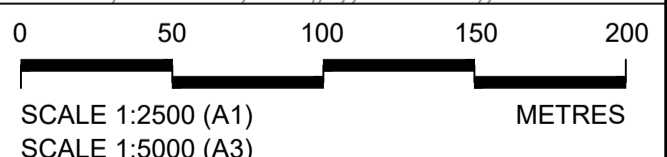
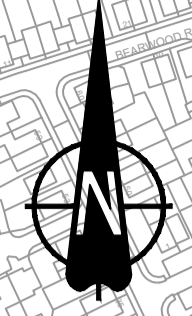
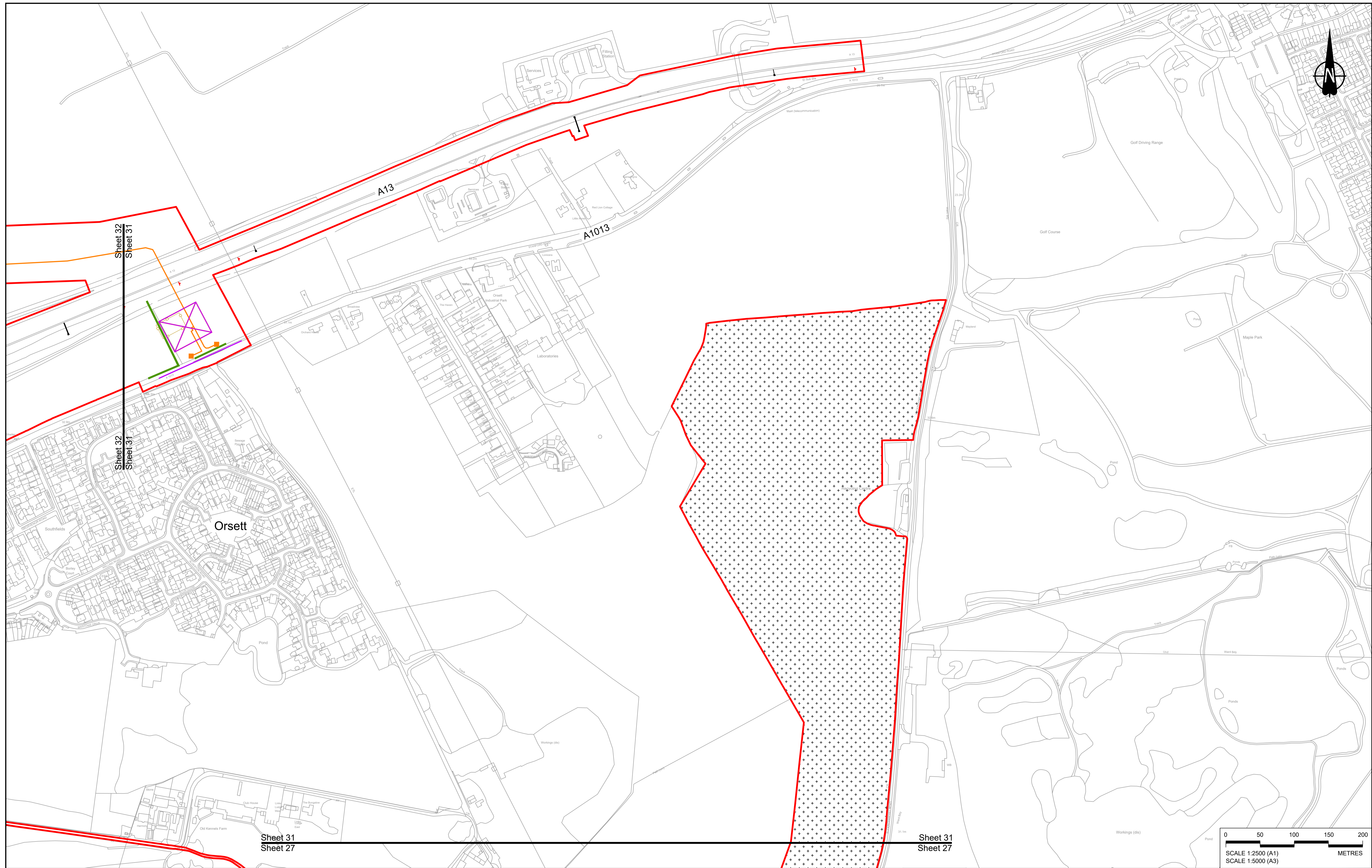


Client

Project

LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.5	Scale	1:2500		
Drawing title	GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 30				
Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10027				



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

NOTES:

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BOUNDARIES

- Order Limits
- Local Authority boundary
- Proposed replacement travellers site

PROPOSED ENGINEERING AND CONSTRUCTION

- New carriageway
- Overbridge
- Underpass

PROPOSED UTILITIES

- Underground gas diversion
- Realigned or modified overhead electricity line
- Underground multiutility alignment
- Diversion ties into existing network
- Utility compound or substation

PROPOSED ENVIRONMENTAL WORKS

- Woodland planting
- Grassland planting
- Ecological habitat creation and receptor site for protected species
- Temporary ecological habitat
- Bat Barn structure
- Ecological pond

PROPOSED ENVIRONMENTAL WORKS

- Woodland planting
- Grassland planting
- Ecological habitat creation and receptor site for protected species
- Temporary ecological habitat
- Bat Barn structure
- Ecological pond

PROPOSED ENVIRONMENTAL WORKS

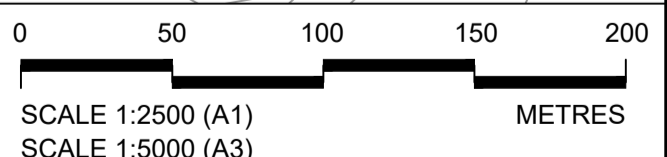
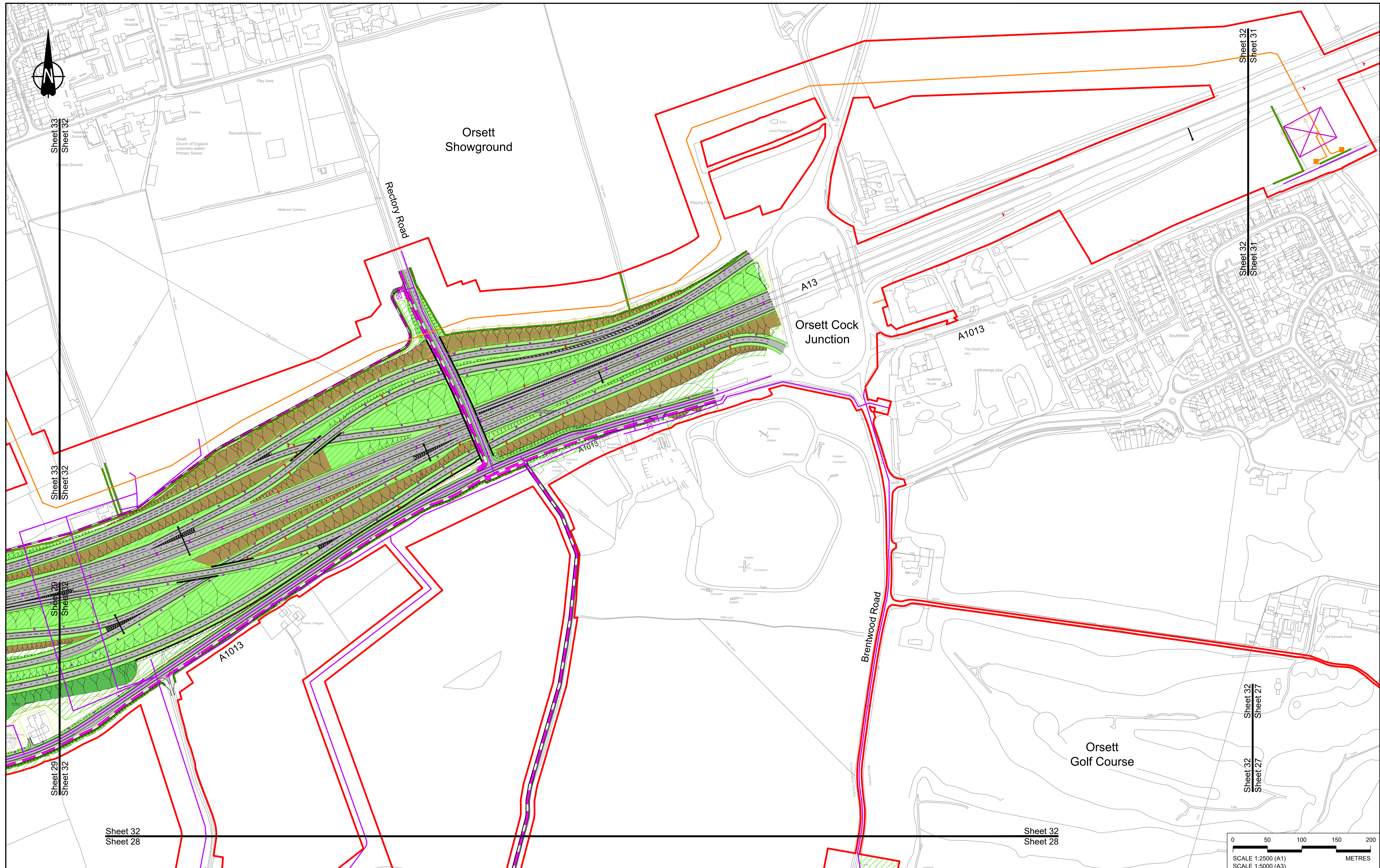
- Woodland planting
- Grassland planting
- Ecological habitat creation and receptor site for protected species
- Temporary ecological habitat
- Bat Barn structure
- Ecological pond

PROPOSED ENVIRONMENTAL WORKS

- Woodland planting
- Grassland planting
- Ecological habitat creation and receptor site for protected species
- Temporary ecological habitat
- Bat Barn structure
- Ecological pond

LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.5	Scale	1:2500		
Drawing title	GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 31				
Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10028				



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

NOTES:

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- For Environmental details refer to the Environmental Masterplan (application document reference TR010032/APP/6.2 Fig 2.3) and associated drawings and documents.

BOUNDARIES

	Order Limits
	Local Authority boundary
	Proposed replacement travellers site

PROPOSED ENGINEERING AND CONSTRUCTION

	New carriageway
	Overbridge
	Underpass

	Culvert
	Traffic sign
	Gantry
	Lighting
	Infiltration basin, detention basin or retention pond
	Walking, cycling and horse-riding routes
	Green Roof for Tunnel Service Building
	Tunnel
	Ground protection tunnel

PROPOSED UTILITIES

	Central reserve crossing point
	Underground gas diversion
	Realigned or modified overhead electricity line
	Underground multiutility alignment
	Division ties into existing network
	Utility compound or substation

PROPOSED ENVIRONMENTAL WORKS

	Woodland planting
	Grassland planting
	Ecological habitat creation and receptor site for protected species
	Temporary ecological habitat
	Bat Barn structure
	Ecological pond

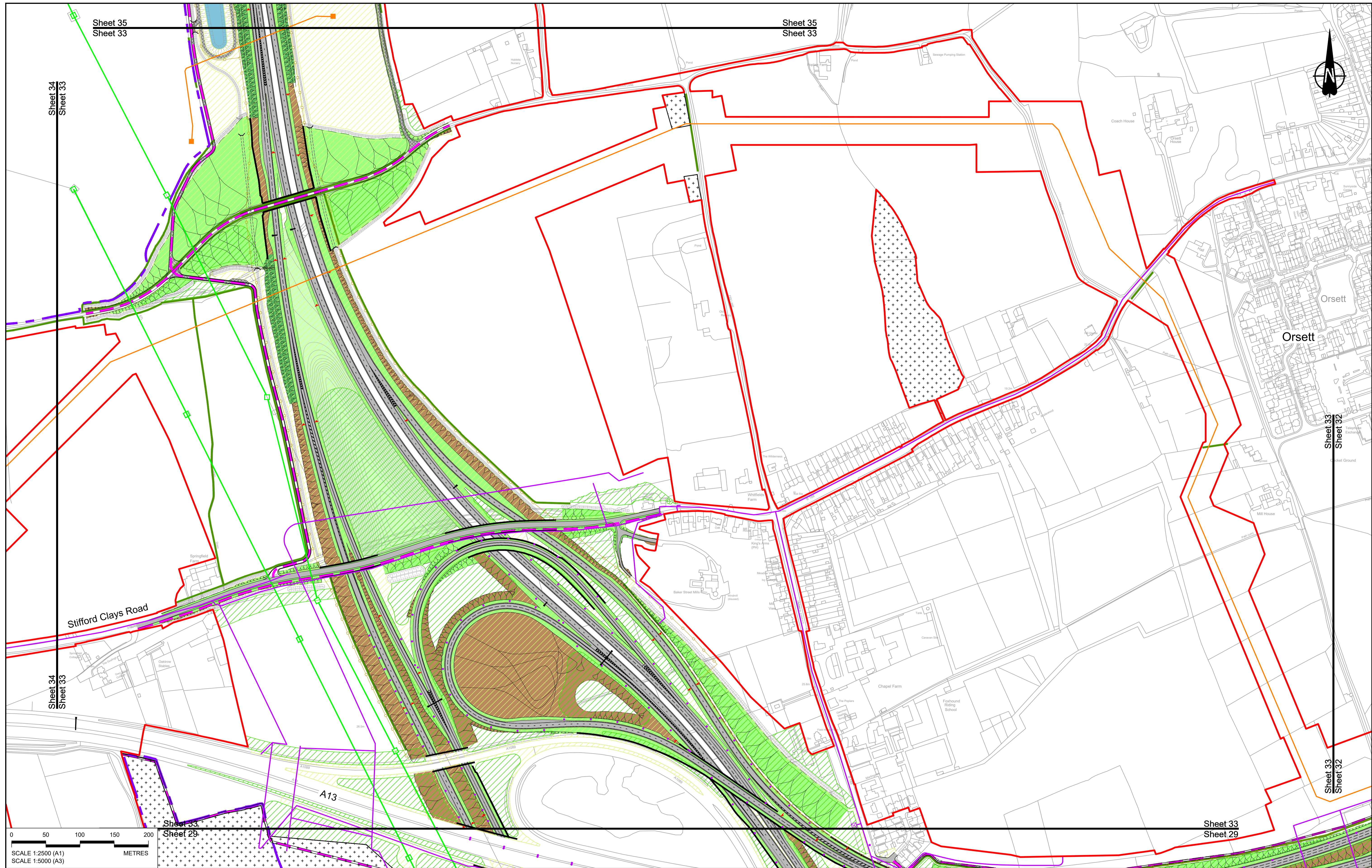
	Flood Compensation Area
	Open space provision, replacement open space or replacement common land
	Hedgerow
	Watercourse diversion
	Ecological fencing (badger)
	Acoustic barrier
	Fencing

Client:

Project:

LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.5	Scale	1:2500		
Drawing title	GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 32				
Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10029				



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

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BOUNDARIES

	Order Limits
	Local Authority boundary
	Proposed replacement travellers site
	New carriageway
	Overbridge
	Underpass

PROPOSED ENGINEERING AND CONSTRUCTION

	Culvert
	Traffic sign
	Gantry
	Lighting
	Infiltration basin, detention basin or retention pond
	Walking, cycling and horse-riding routes
	Green Roof for Tunnel Service Building
	Tunnel
	Ground protection tunnel

PROPOSED UTILITIES

	Underground gas diversion
	Realigned or modified overhead electricity line
	Underground multitality alignment
	Diversion ties into existing network
	Utility compound or substation

Earthworks - Cutting

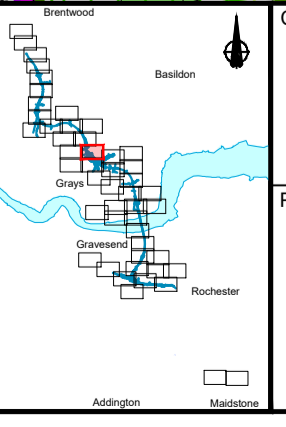
	Earthworks - Cutting
	Earthworks - Embankment
	Earthworks - False cutting and landscaping
	Verge
	Retaining wall
	Water pipe & self-regulating valve
	Maintenance access
	Car park
	Rendezvous point

PROPOSED ENVIRONMENTAL WORKS

	Woodland planting
	Grassland planting
	Ecological habitat creation and receptor site for protected species
	Temporary ecological habitat
	Bat Barn structure
	Ecological pond

Flood Compensation Area

	Flood Compensation Area
	Open space provision, replacement open space or replacement common land
	Hedgerow
	Watercourse diversion
	Ecological fencing (badger)
	Acoustic barrier
	Fencing

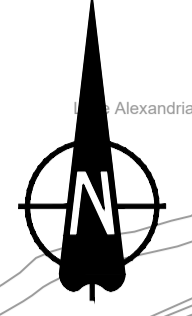
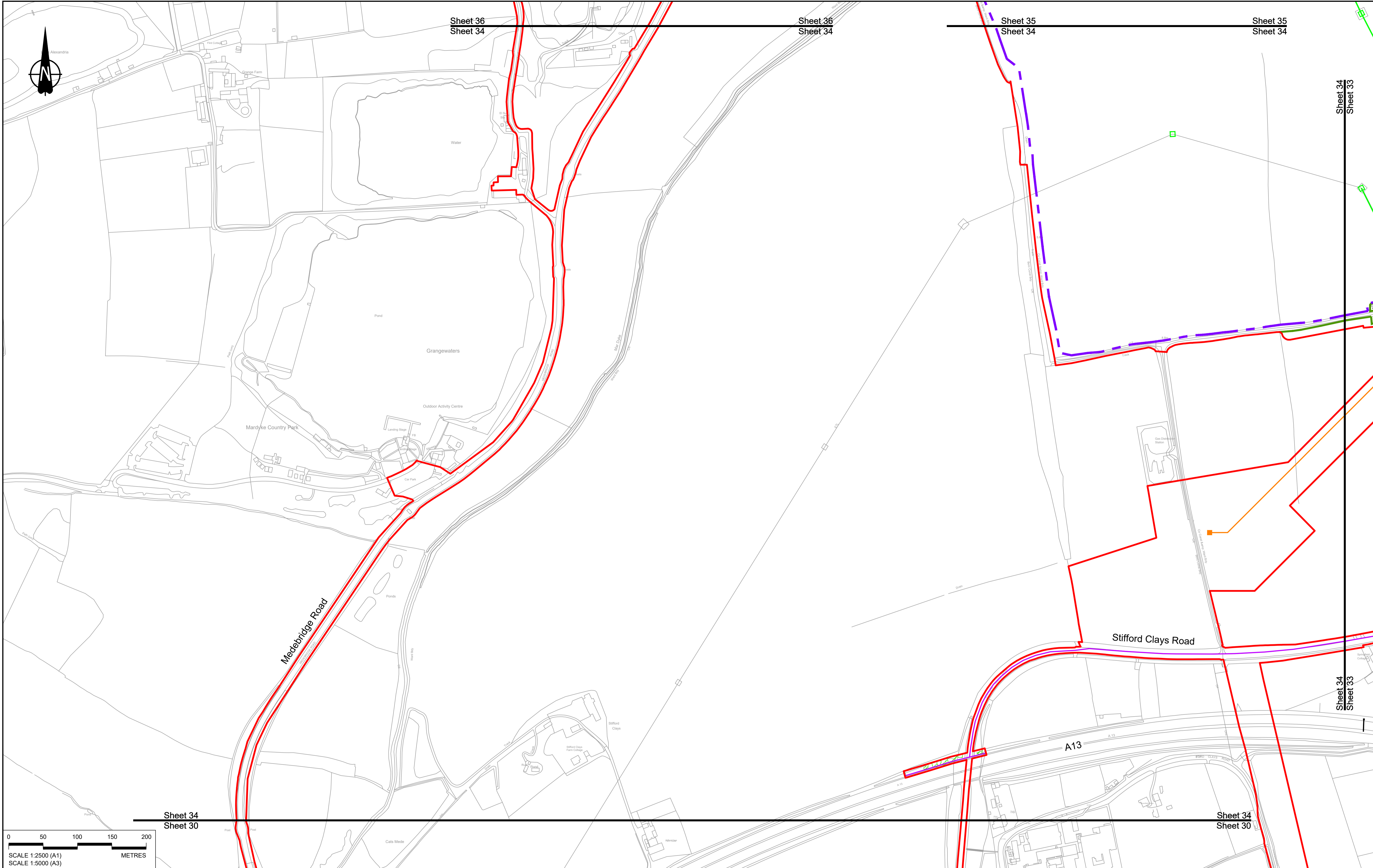


national highways

Project

LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.5	Scale	1:2500		
Drawing title	GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 33				
Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10030				



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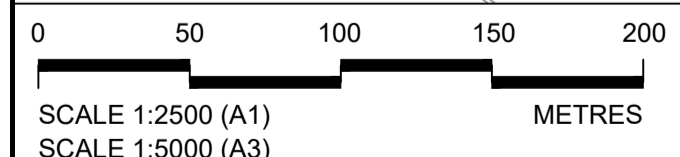
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	GP	RO	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

BOUNDARIES

- Order Limits
- Local Authority boundary
- Proposed replacement travellers site

PROPOSED ENGINEERING AND CONSTRUCTION

- New carriageway
- Overbridge
- Underpass
- Culvert
- Traffic sign
- Gantry
- Lighting
- Infiltration basin, detention basin or retention pond
- Walking, cycling and horse-riding routes
- Green Roof for Tunnel Service Building
- Tunnel
- Ground protection tunnel

PROPOSED UTILITIES

- Underground gas diversion
- Realigned or modified overhead electricity line
- Underground multi-utility alignment
- Diversion ties into existing network
- Utility compound or substation

PROPOSED ENVIRONMENTAL WORKS

- Woodland planting
- Grassland planting
- Ecological habitat creation and receptor site for protected species
- Temporary ecological habitat
- Bat Barn structure
- Ecological pond

Earthworks - Cutting

Earthworks - Embankment

Earthworks - False cutting and landscaping

Verge

Retaining wall

Water pipe & self-regulating valve

Maintenance access

Car park

Rendezvous point

Central reserve crossing point

Flood Compensation Area

Open space provision, replacement open space or replacement common land

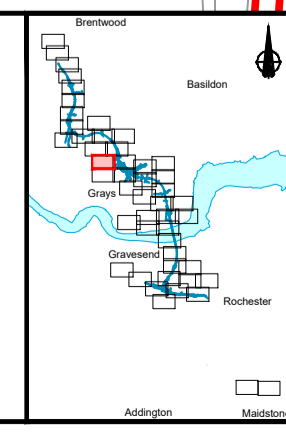
Hedgerow

Watercourse diversion

Ecological fencing (badger)

Acoustic barrier

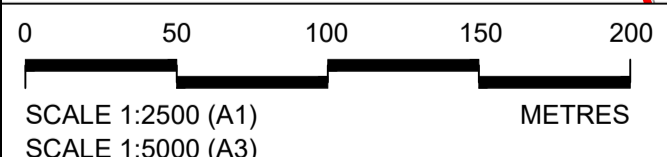
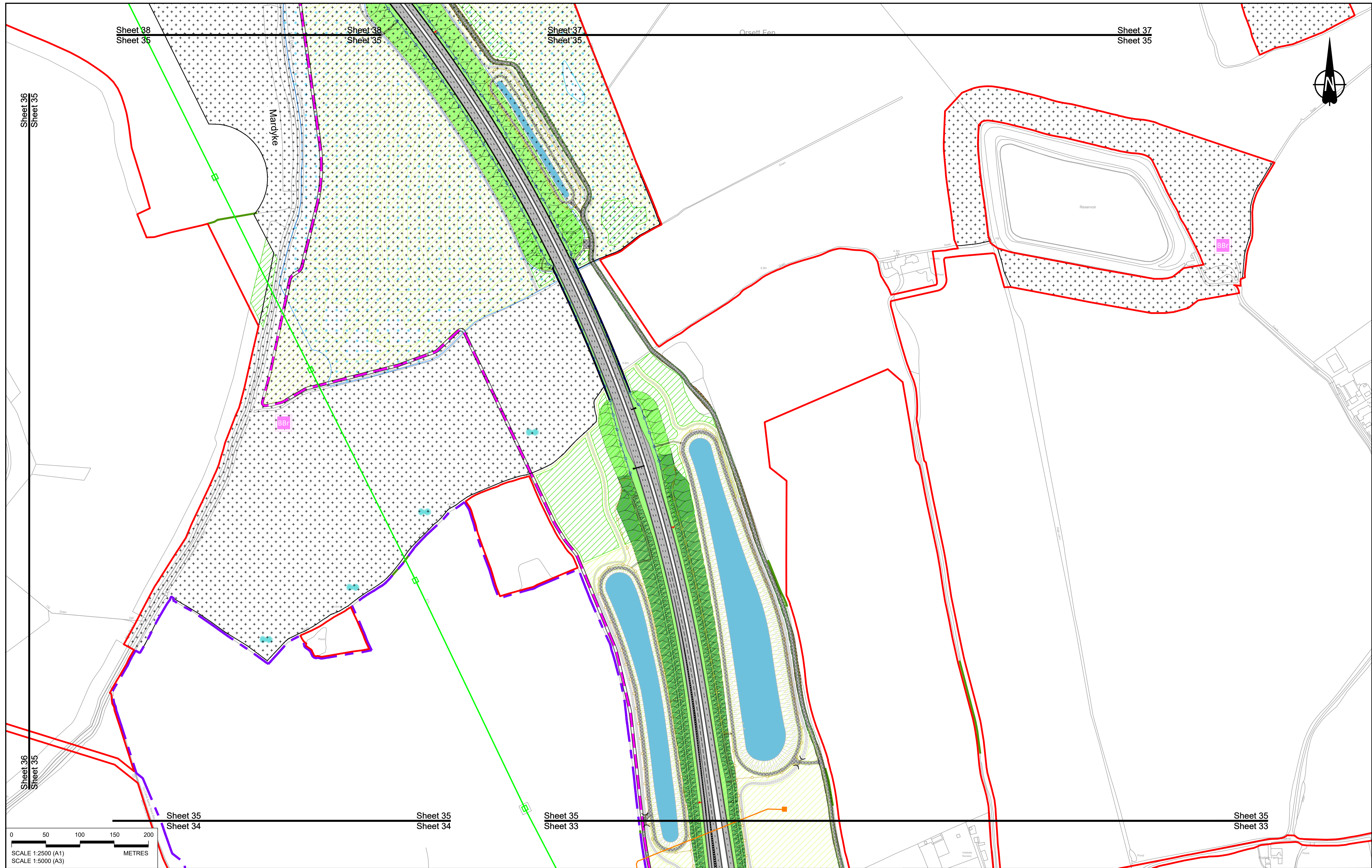
Fencing



Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.5	Scale	1:2500		
Drawing title	GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 34				
Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10031				



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

BOUNDARIES

- Order Limits
- Local Authority boundary
- Proposed replacement travellers site

PROPOSED ENGINEERING AND CONSTRUCTION

- New carriageway
- Overbridge
- Underpass
- Culvert
- Traffic sign
- Gantry
- Lighting
- Infiltration basin, detention basin or retention pond
- Walking, cycling and horse-riding routes
- Green Roof for Tunnel Service Building
- Tunnel
- Ground protection tunnel

PROPOSED UTILITIES

- Underground gas diversion
- Realigned or modified overhead electricity line
- Underground multi-utility alignment
- Division ties into existing network
- Utility compound or substation

PROPOSED ENVIRONMENTAL WORKS

- Woodland planting
- Grassland planting
- Ecological habitat creation and receptor site for protected species
- Temporary ecological habitat
- Bat Barn structure
- Ecological pond

BOUNDARIES

- Order Limits
- Local Authority boundary
- Proposed replacement travellers site

PROPOSED ENGINEERING AND CONSTRUCTION

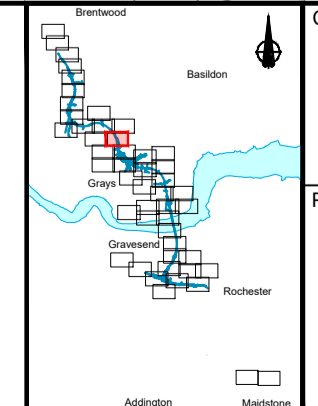
- New carriageway
- Overbridge
- Underpass
- Culvert
- Traffic sign
- Gantry
- Lighting
- Infiltration basin, detention basin or retention pond
- Walking, cycling and horse-riding routes
- Green Roof for Tunnel Service Building
- Tunnel
- Ground protection tunnel

PROPOSED ENVIRONMENTAL WORKS

- Woodland planting
- Grassland planting
- Ecological habitat creation and receptor site for protected species
- Temporary ecological habitat
- Bat Barn structure
- Ecological pond

BOUNDARIES

- Order Limits
- Local Authority boundary
- Proposed replacement travellers site



national highways

Client

Project

LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.5	Scale	1:2500		
Drawing title	GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 35				
Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10032				

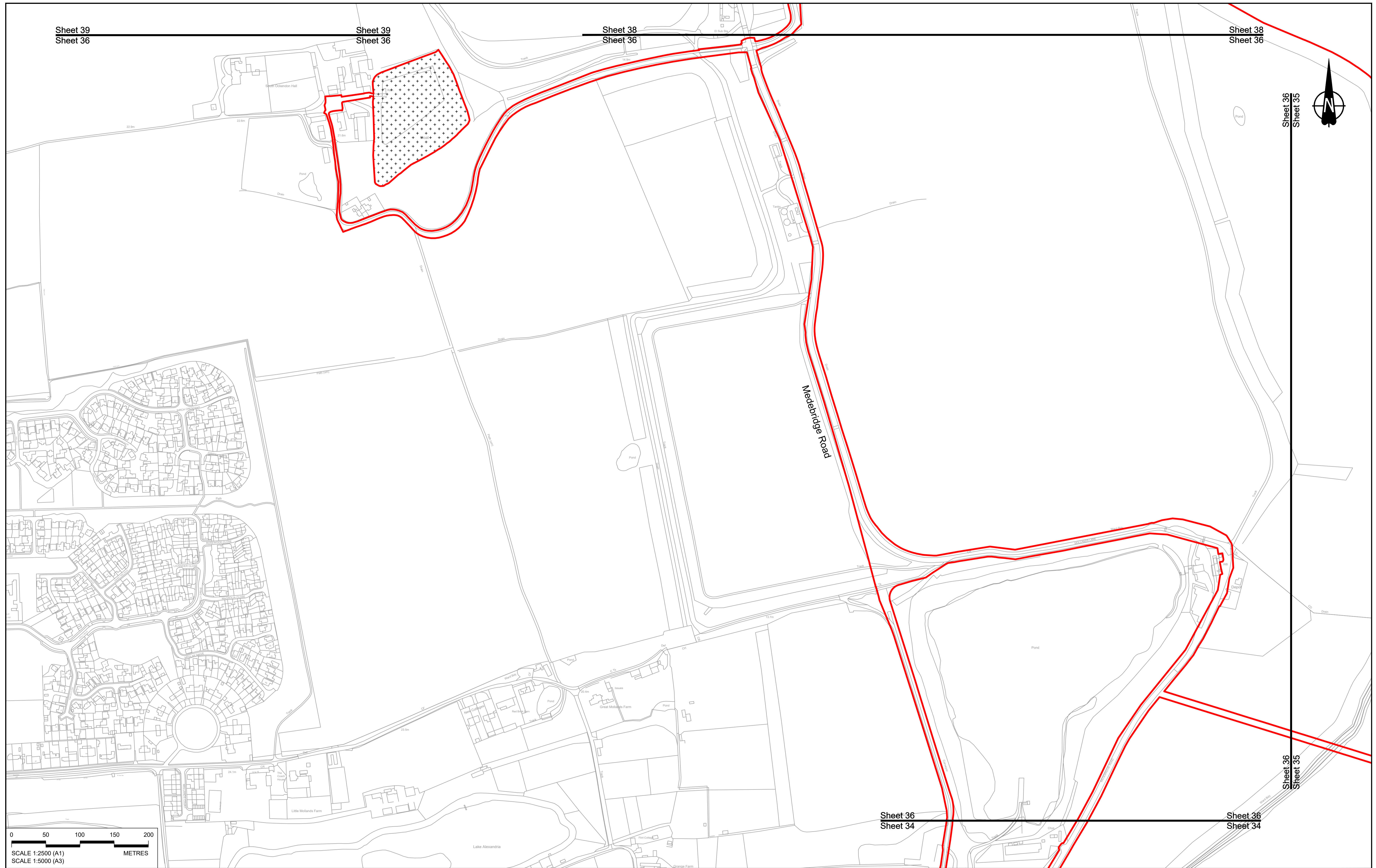
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	GP	RO	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB

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BOUNDARIES

	Order Limits
	Local Authority boundary
	Proposed replacement travellers site

PROPOSED ENGINEERING AND CONSTRUCTION

	New carriageway
	Overbridge
	Underpass

	Culvert
	Traffic sign
	Gantry
	Lighting
	Infiltration basin, detention basin or retention pond
	Walking, cycling and horse-riding routes
	Green Roof for Tunnel Service Building
	Tunnel
	Ground protection tunnel

PROPOSED UTILITIES

	Central reserve crossing point
	Underground gas diversion
	Realigned or modified overhead electricity line
	Underground multility alignment
	Diversion ties into existing network
	Utility compound or substation

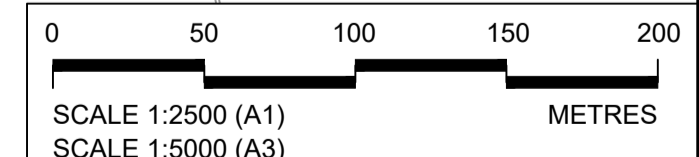
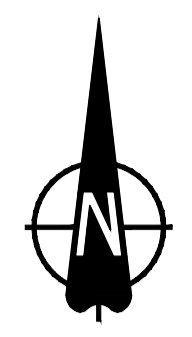
PROPOSED ENVIRONMENTAL WORKS

	Woodland planting
	Grassland planting
	Ecological habitat creation and receptor site for protected species
	Temporary ecological habitat
	Bat Barn structure
	Ecological pond

	Flood Compensation Area
	Open space provision, replacement open space or replacement common land
	Hedgerow
	Watercourse diversion
	Ecological fencing (badger)
	Acoustic barrier
	Fencing

LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.5	Scale	1:2500		
Drawing title	GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 36				
Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10033				



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

NOTES:

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BOUNDARIES

- Order Limits
- Local Authority boundary
- Proposed replacement travellers site

PROPOSED ENGINEERING AND CONSTRUCTION

- New carriageway
- Overbridge
- Underpass

- Culvert
- Traffic sign
- Gantry
- Lighting
- Infiltration basin, detention basin or retention pond
- Walking, cycling and horse-riding routes
- Green Roof for Tunnel Service Building
- Tunnel
- Ground protection tunnel

PROPOSED UTILITIES

- Underground gas diversion
- Realigned or modified overhead electricity line
- Underground multiutility alignment
- Diversion ties into existing network
- Utility compound or substation

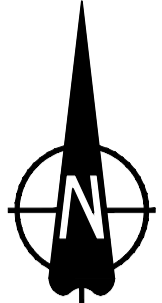
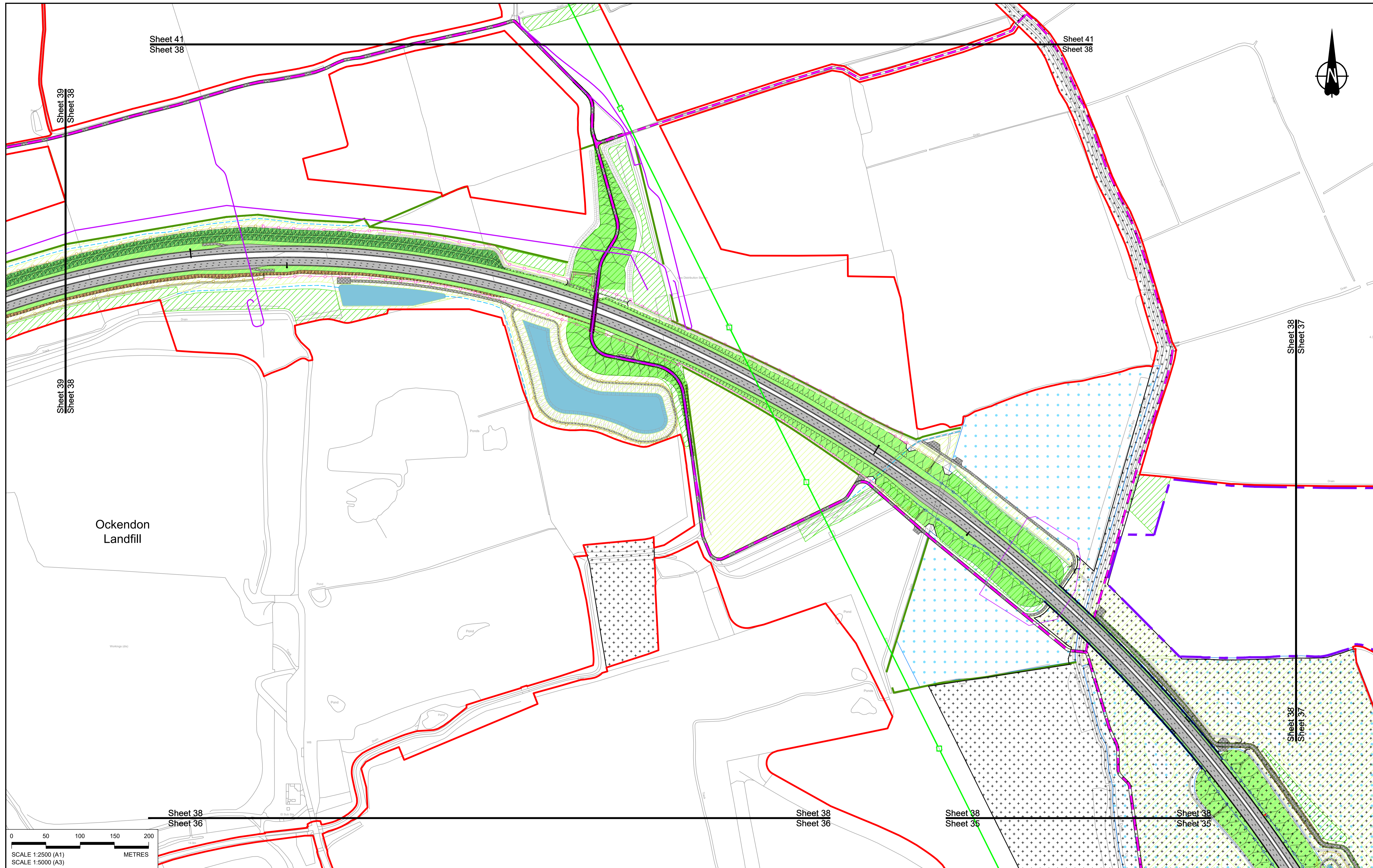
PROPOSED ENVIRONMENTAL WORKS

- Woodland planting
- Grassland planting
- Ecological habitat creation and receptor site for protected species
- Temporary ecological habitat
- Bat Barn structure
- Ecological pond

- Flood Compensation Area
- Open space provision, replacement open space or replacement common land
- Hedgerow
- Watercourse diversion
- Ecological fencing (badger)
- Acoustic barrier
- Fencing

LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.5	Scale	1:2500		
Drawing title	GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 37				
Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10034				



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Sheet 38

Sheet 41
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Sheet 38

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Sheet 38

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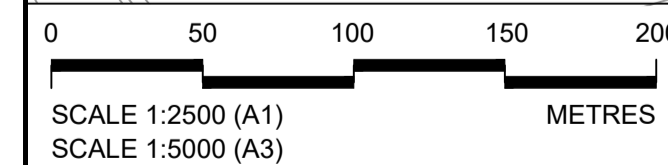
Ockendon
Landfill

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Sheet 36

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BOUNDARIES

- Order Limits
 - Local Authority boundary
 - Proposed replacement travellers site
- PROPOSED ENGINEERING AND CONSTRUCTION**
- New carriageway
 - Overbridge
 - Underpass

- Culvert
- Traffic sign
- Gantry
- Lighting
- Infiltration basin, detention basin or retention pond
- Walking, cycling and horse-riding routes
- Green Roof for Tunnel Service Building
- Tunnel
- Ground protection tunnel

- Earthworks - Cutting
- Earthworks - Embankment
- Earthworks - False cutting and landscaping
- Verge
- Retaining wall
- Water pipe & self-regulating valve
- Maintenance access
- Car park
- Rendezvous point

- PROPOSED UTILITIES**
- Underground gas diversion
 - Realigned or modified overhead electricity line
 - Underground multitality alignment
 - Division ties into existing network
 - Utility compound or substation

PROPOSED ENVIRONMENTAL WORKS

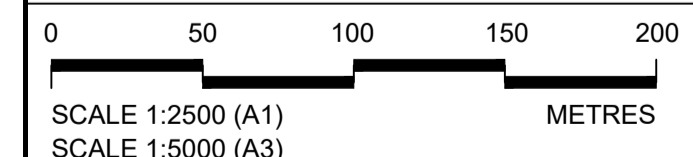
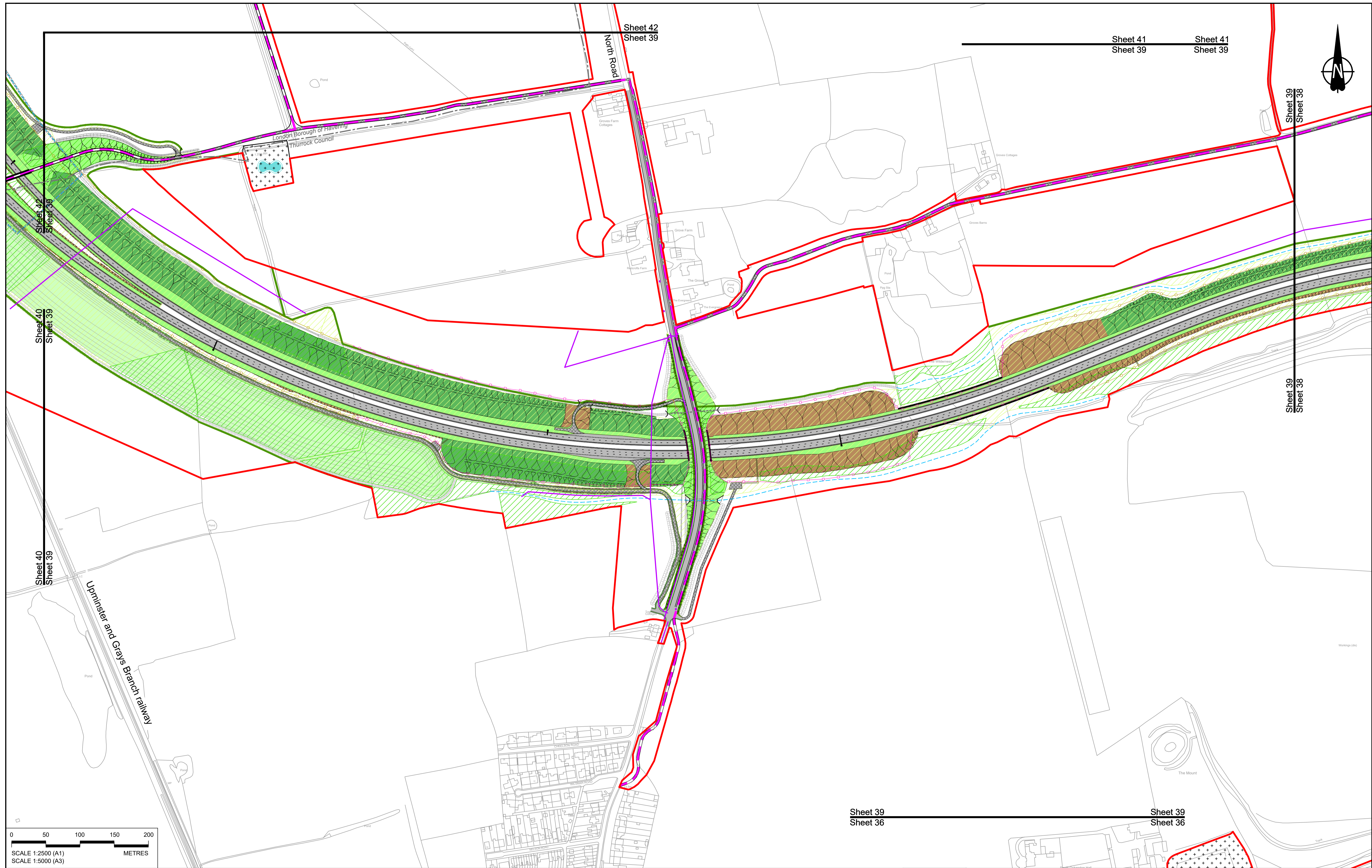
- Woodland planting
- Grassland planting
- Ecological habitat creation and receptor site for protected species
- Temporary ecological habitat
- Bat Barn structure
- Ecological pond

- Flood Compensation Area
- Open space provision, replacement open space or replacement common land
- Hedgerow
- Watercourse diversion
- Ecological fencing (badger)
- Acoustic barrier
- Fencing

Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.5	Scale	1:2500		
Drawing title	GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 38				
Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10035				



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

BOUNDARIES

- Order Limits
- Local Authority boundary
- Proposed replacement travellers site

PROPOSED ENGINEERING AND CONSTRUCTION

- New carriageway
- Overbridge
- Underpass
- Culvert
- Traffic sign
- Gantry
- Lighting
- Infiltration basin, detention basin or retention pond
- Walking, cycling and horse-riding routes
- Green Roof for Tunnel Service Building
- Tunnel
- Ground protection tunnel

PROPOSED UTILITIES

- Underground gas diversion
- Realigned or modified overhead electricity line
- Underground multiutility alignment
- Division ties into existing network
- Utility compound or substation

PROPOSED ENVIRONMENTAL WORKS

- Woodland planting
- Grassland planting
- Ecological habitat creation and receptor site for protected species
- Temporary ecological habitat
- Bat Barn structure
- Ecological pond

BOUNDARIES

- Order Limits
- Local Authority boundary
- Proposed replacement travellers site

PROPOSED ENGINEERING AND CONSTRUCTION

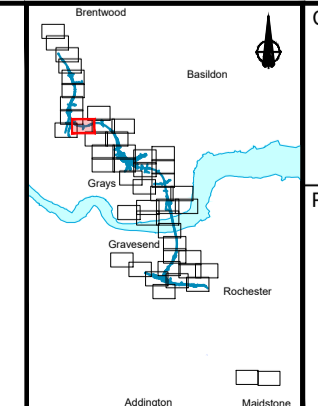
- New carriageway
- Overbridge
- Underpass
- Culvert
- Traffic sign
- Gantry
- Lighting
- Infiltration basin, detention basin or retention pond
- Walking, cycling and horse-riding routes
- Green Roof for Tunnel Service Building
- Tunnel
- Ground protection tunnel

PROPOSED ENVIRONMENTAL WORKS

- Woodland planting
- Grassland planting
- Ecological habitat creation and receptor site for protected species
- Temporary ecological habitat
- Bat Barn structure
- Ecological pond

PROPOSED UTILITIES

- Underground gas diversion
- Realigned or modified overhead electricity line
- Underground multiutility alignment
- Division ties into existing network
- Utility compound or substation



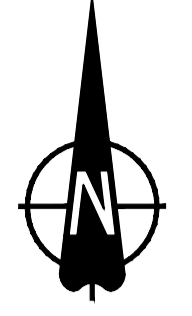
national highways

Client

Project

LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.5	Scale	1:2500		
Drawing title	GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 39				
Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10036				



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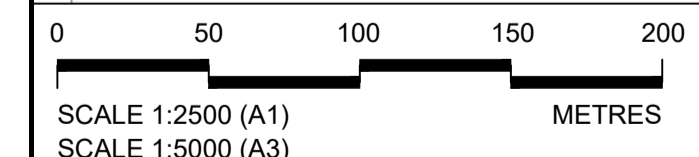
Sheet 42
Sheet 40

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Sheet 39

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Sheet 39

Uxminster and Grays Branch railway

M25



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

BOUNDARIES

- Order Limits
- Local Authority boundary
- Proposed replacement travellers site

PROPOSED ENGINEERING AND CONSTRUCTION

- New carriageway
- Overbridge
- Underpass

- Culvert
- Traffic sign
- Gantry
- Lighting
- Infiltration basin, detention basin or retention pond
- Walking, cycling and horse-riding routes
- Green Roof for Tunnel Service Building
- Tunnel
- Ground protection tunnel

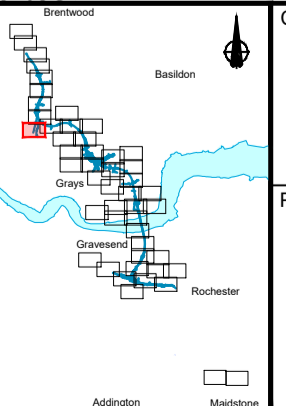
PROPOSED UTILITIES

- Underground gas diversion
- Realigned or modified overhead electricity line
- Underground multitenity alignment
- Division ties into existing network
- Utility compound or substation

PROPOSED ENVIRONMENTAL WORKS

- Woodland planting
- Grassland planting
- Ecological habitat creation and receptor site for protected species
- Temporary ecological habitat
- Bat Barn structure
- Ecological pond

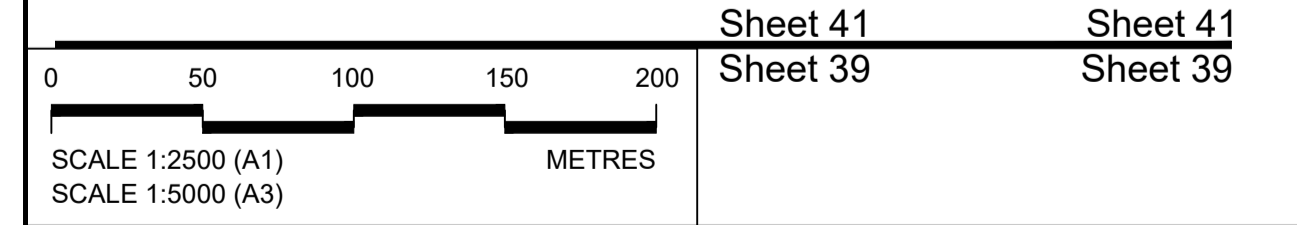
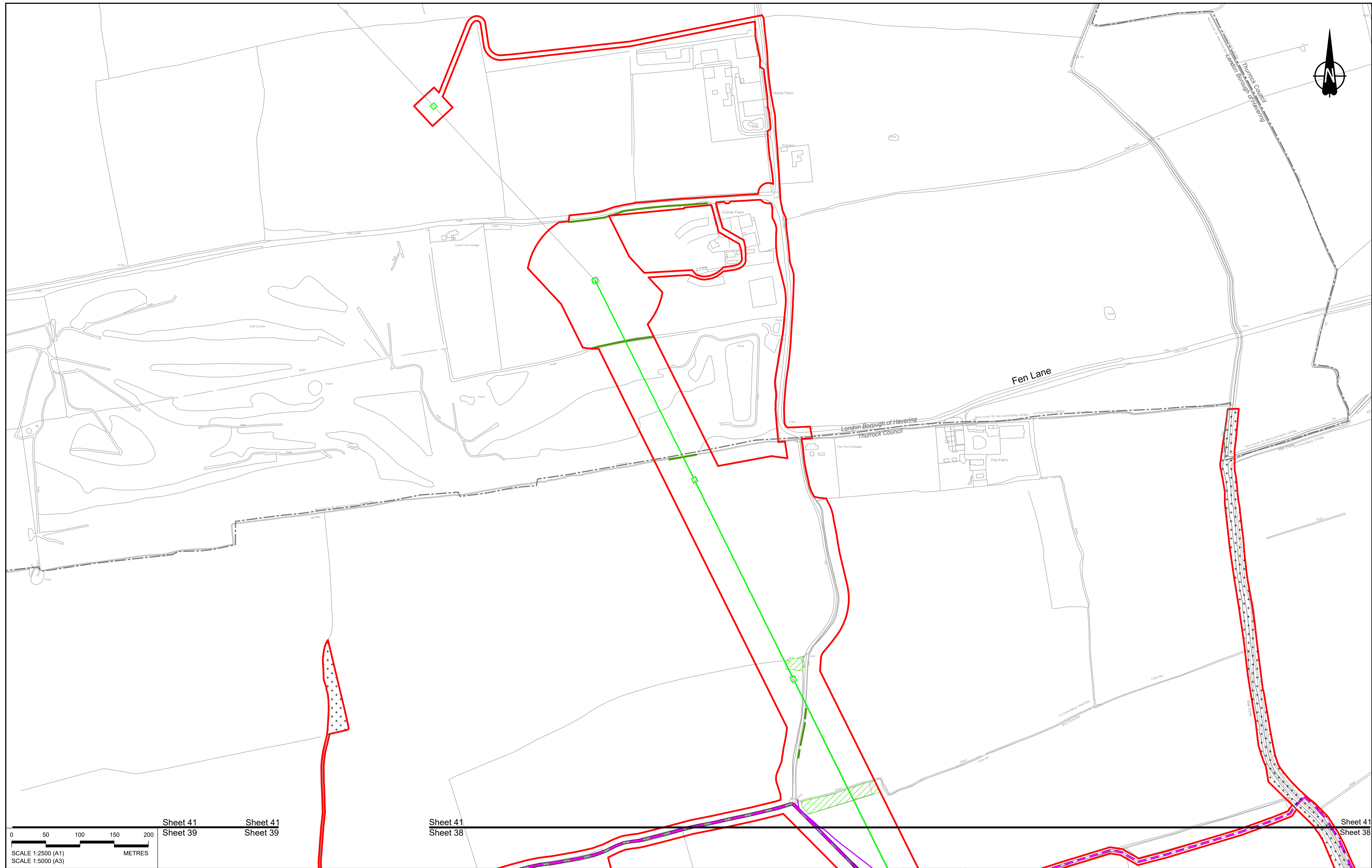
- Flood Compensation Area
- Open space provision, replacement open space or replacement common land
- Hedgerow
- Watercourse diversion
- Ecological fencing (badger)
- Acoustic barrier
- Fencing



Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.5	Scale	1:2500		
Drawing title	GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 40				
Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10037				



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

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- For Environmental details refer to the Environmental Masterplan (application document reference TR010032/APP/6.2 Fig 2.4) and Environmental Constraints Plan (application document reference TR010032/APP/6.2 Fig 2.3) and associated drawings and documents.

BOUNDARIES

	Order Limits
	Local Authority boundary
	Proposed replacement travellers site

PROPOSED ENGINEERING AND CONSTRUCTION

	New carriageway
	Overbridge
	Underpass
	Culvert
	Traffic sign
	Gantry
	Lighting
	Infiltration basin, detention basin or retention pond
	Walking, cycling and horse-riding routes
	Green Roof for Tunnel Service Building
	Tunnel
	Ground protection tunnel

PROPOSED UTILITIES

	Underground gas diversion
	Realigned or modified overhead electricity line
	Underground multistory alignment
	Division ties into existing network
	Utility compound or substation

PROPOSED ENVIRONMENTAL WORKS

	Woodland planting
	Grassland planting
	Ecological habitat creation and receptor site for protected species
	Temporary ecological habitat
	Bat Barn structure
	Ecological pond

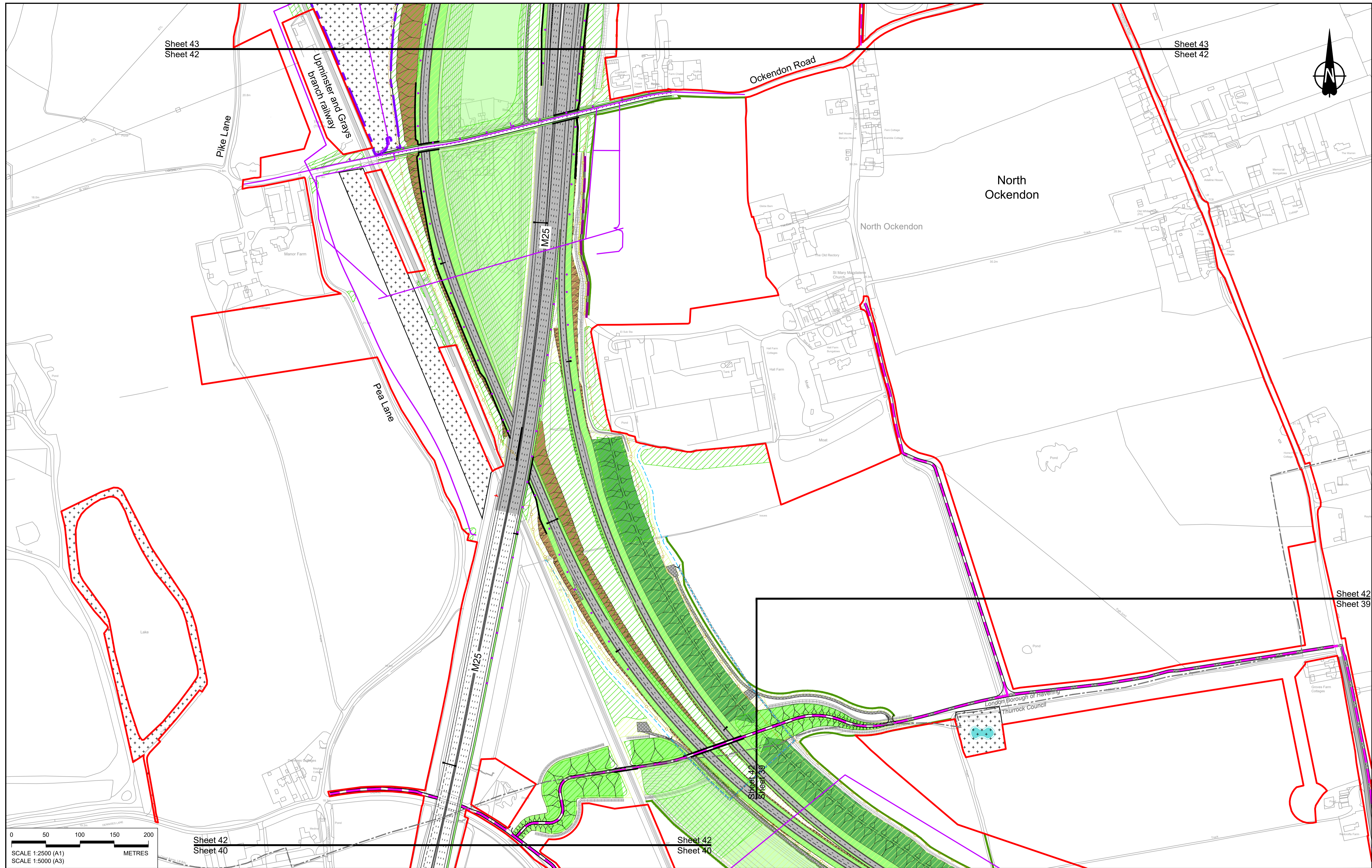
FLOOD COMPENSATION AREA

	Flood Compensation Area
	Open space provision, replacement open space or replacement common land
	Hedgerow
	Watercourse diversion
	Ecological fencing (badger)
	Acoustic barrier
	Fencing

national highways

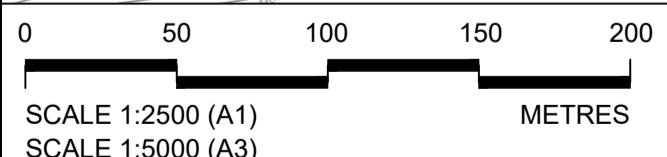
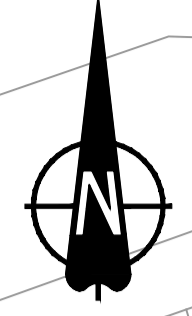
Project: LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.5	Scale	1:2500		
Drawing title	GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 41				
Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10039				



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Sheet 40

Sheet 42
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P01	S8	19/10/2022	DCO Application	GP	RO	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

BOUNDARIES

- Order Limits
- Local Authority boundary
- Proposed replacement travellers site

PROPOSED ENGINEERING AND CONSTRUCTION

- New carriageway
- Overbridge
- Underpass
- Culvert
- Traffic sign
- Gantry
- Lighting
- Infiltration basin, detention basin or retention pond
- Walking, cycling and horse-riding routes
- Green Roof for Tunnel Service Building
- Tunnel
- Ground protection tunnel

PROPOSED UTILITIES

- Underground gas diversion
- Realigned or modified overhead electricity line
- Underground multility alignment
- Division ties into existing network
- Utility compound or substation

PROPOSED ENVIRONMENTAL WORKS

- Woodland planting
- Grassland planting
- Ecological habitat creation and receptor site for protected species
- Temporary ecological habitat
- Bat Barn structure
- Ecological pond

BOUNDARIES

- Order Limits
- Local Authority boundary
- Proposed replacement travellers site

PROPOSED ENGINEERING AND CONSTRUCTION

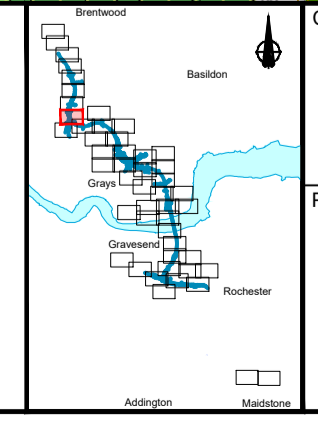
- New carriageway
- Overbridge
- Underpass
- Culvert
- Traffic sign
- Gantry
- Lighting
- Infiltration basin, detention basin or retention pond
- Walking, cycling and horse-riding routes
- Green Roof for Tunnel Service Building
- Tunnel
- Ground protection tunnel

PROPOSED ENVIRONMENTAL WORKS

- Woodland planting
- Grassland planting
- Ecological habitat creation and receptor site for protected species
- Temporary ecological habitat
- Bat Barn structure
- Ecological pond

PROPOSED UTILITIES

- Underground gas diversion
- Realigned or modified overhead electricity line
- Underground multility alignment
- Division ties into existing network
- Utility compound or substation



Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.5	Scale	1:2500		
Drawing title	GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 42				
Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10040				

Sheet 44
Sheet 43

Sheet 44
Sheet 43

Thames Chase
Forest

North
Ockendon

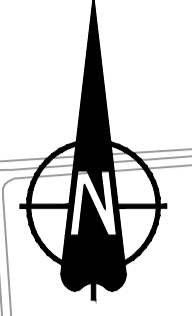
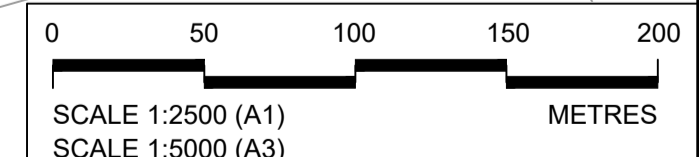
Pike Lane

Clay Tye Road

Ockendon Road

Sheet 43
Sheet 42

Sheet 43
Sheet 42



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

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BOUNDARIES

- Order Limits
- Local Authority boundary
- Proposed replacement travellers site

PROPOSED ENGINEERING AND CONSTRUCTION

- New carriageway
- Overbridge
- Underpass

- Culvert
- Traffic sign
- Gantry
- Lighting
- Infiltration basin, detention basin or retention pond
- Walking, cycling and horse-riding routes
- Green Roof for Tunnel Service Building
- Tunnel
- Ground protection tunnel

- Earthworks - Cutting
- Earthworks - Embankment
- Earthworks - False cutting and landscaping
- Verge
- Retaining wall
- Water pipe & self-regulating valve
- Maintenance access
- Car park
- Rendezvous point

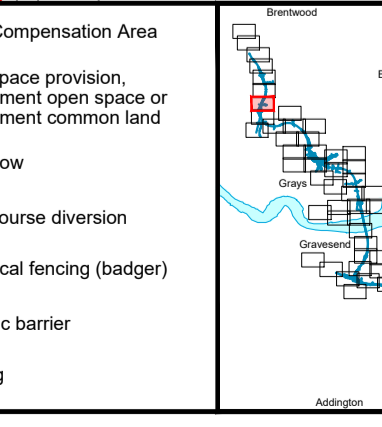
PROPOSED UTILITIES

- Underground gas diversion
- Realigned or modified overhead electricity line
- Underground multiutility alignment
- Diversion ties into existing network
- Utility compound or substation

PROPOSED ENVIRONMENTAL WORKS

- Woodland planting
- Grassland planting
- Ecological habitat creation and receptor site for protected species
- Temporary ecological habitat
- Bal Barn structure
- Ecological pond

- Flood Compensation Area
- Open space provision, replacement open space or replacement common land
- Hedgegrow
- Watercourse diversion
- Ecological fencing (badger)
- Acoustic barrier
- Fencing



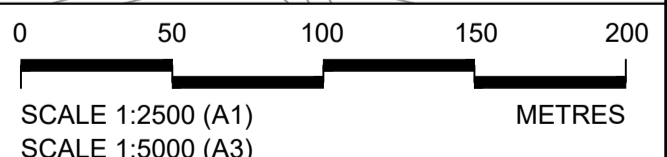
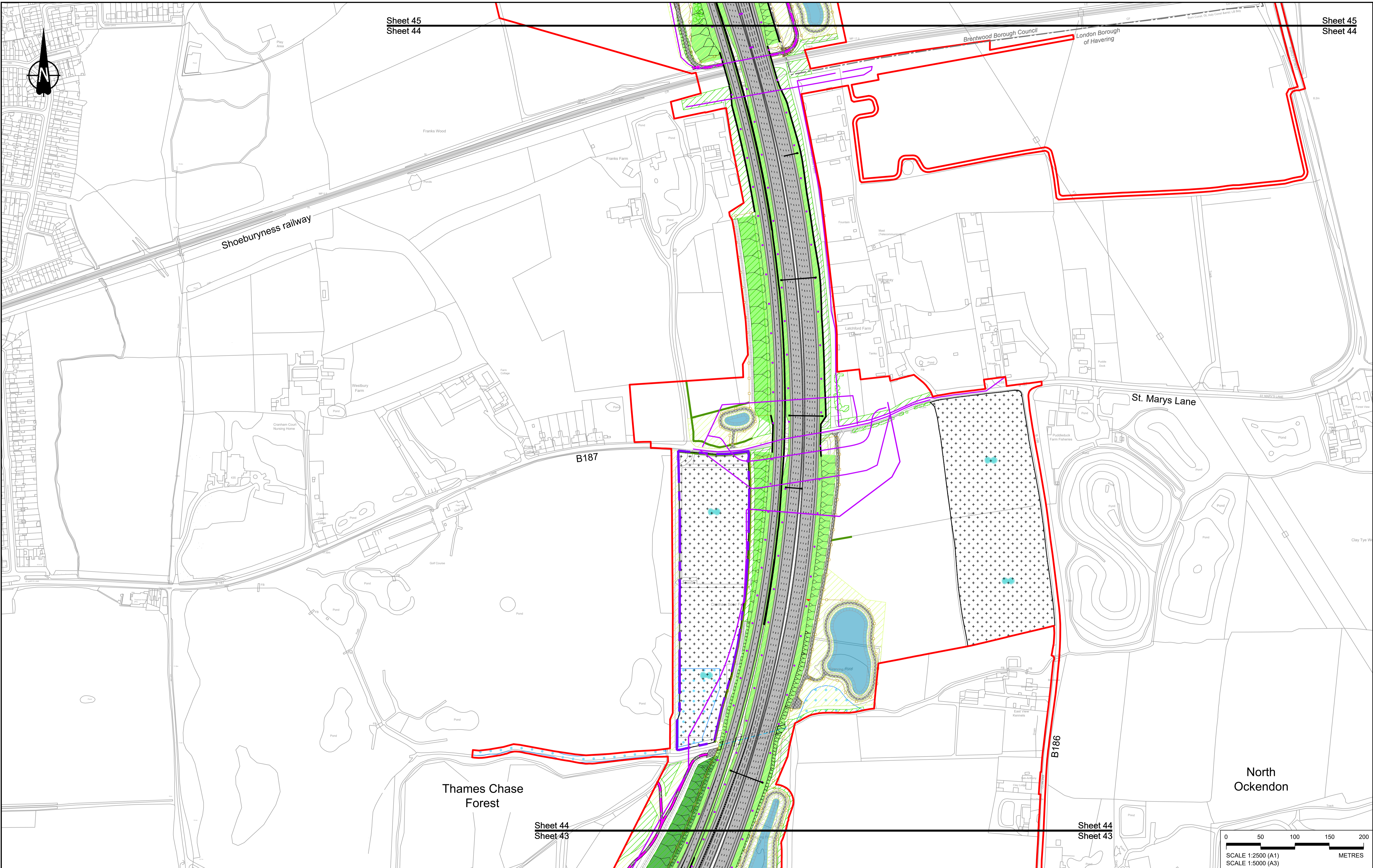
national highways

Client

Project

LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.5	Scale	1:2500		
Drawing title	GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 43				
Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10041				



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

BOUNDARIES

- Order Limits
- Local Authority boundary
- Proposed replacement travellers site

PROPOSED ENGINEERING AND CONSTRUCTION

- New carriageway
- Overbridge
- Underpass
- Culvert
- Traffic sign
- Gantry
- Lighting
- Infiltration basin, detention basin or retention pond
- Walking, cycling and horse-riding routes
- Green Roof for Tunnel Service Building
- Tunnel
- Ground protection tunnel

PROPOSED UTILITIES

- Underground gas diversion
- Realigned or modified overhead electricity line
- Underground multiutility alignment
- Diversion ties into existing network
- Utility compound or substation

PROPOSED ENVIRONMENTAL WORKS

- Woodland planting
- Grassland planting
- Ecological habitat creation and receptor sites for protected species
- Temporary ecological habitat
- Bat Barn structure
- Ecological pond

PROPOSED ENVIRONMENTAL WORKS

- Flood Compensation Area
- Open space provision, replacement open space or replacement common land
- Hedgerow
- Watercourse diversion
- Ecological fencing (badger)
- Acoustic barrier
- Fencing

Client

national highways

Project

LOWER THAMES CROSSING

Status

DCO Examination

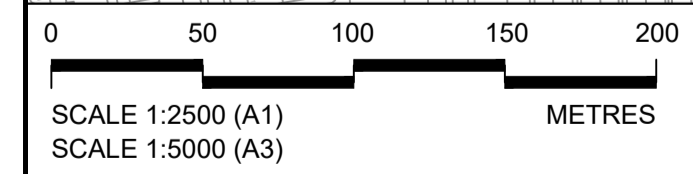
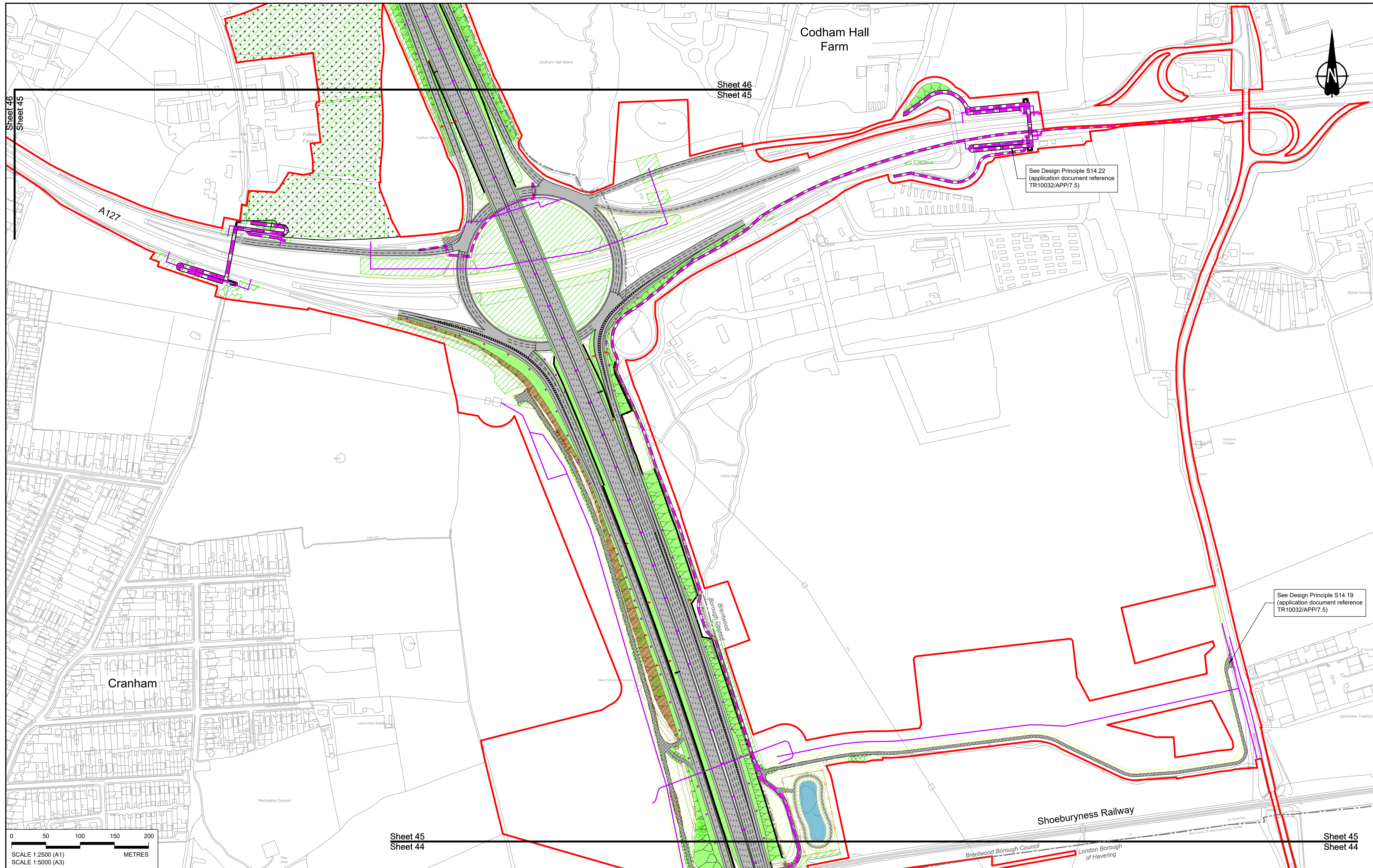
Application Document Number **TR010032/APP/2.5**

Drawing title **GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 44**

Drawing Number **HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10042**

Original Size **A1** | Revision **P02**

Scale **1:2500**



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

BOUNDARIES

- Order Limits
- Local Authority boundary
- Proposed replacement travellers site

PROPOSED ENGINEERING AND CONSTRUCTION

- New carriageway
- Overbridge
- Underpass
- Culvert
- Traffic sign
- Gantry
- Lighting
- Infiltration basin, detention basin or retention pond
- Walking, cycling and horse-riding routes
- Green Roof for Tunnel Service Building
- Tunnel
- Ground protection tunnel

PROPOSED UTILITIES

- Underground gas diversion
- Realigned or modified overhead electricity line
- Underground multiutility alignment
- Diversion ties into existing network
- Utility compound or substation

PROPOSED ENVIRONMENTAL WORKS

- Woodland planting
- Grassland planting
- Ecological habitat creation and receptor site for protected species
- Temporary ecological habitat
- Bat Barn structure
- Ecological pond

BOUNDARIES

- Order Limits
- Local Authority boundary
- Proposed replacement travellers site

PROPOSED ENGINEERING AND CONSTRUCTION

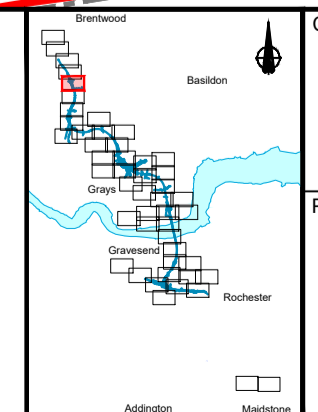
- New carriageway
- Overbridge
- Underpass
- Culvert
- Traffic sign
- Gantry
- Lighting
- Infiltration basin, detention basin or retention pond
- Walking, cycling and horse-riding routes
- Green Roof for Tunnel Service Building
- Tunnel
- Ground protection tunnel

PROPOSED UTILITIES

- Underground gas diversion
- Realigned or modified overhead electricity line
- Underground multiutility alignment
- Diversion ties into existing network
- Utility compound or substation

PROPOSED ENVIRONMENTAL WORKS

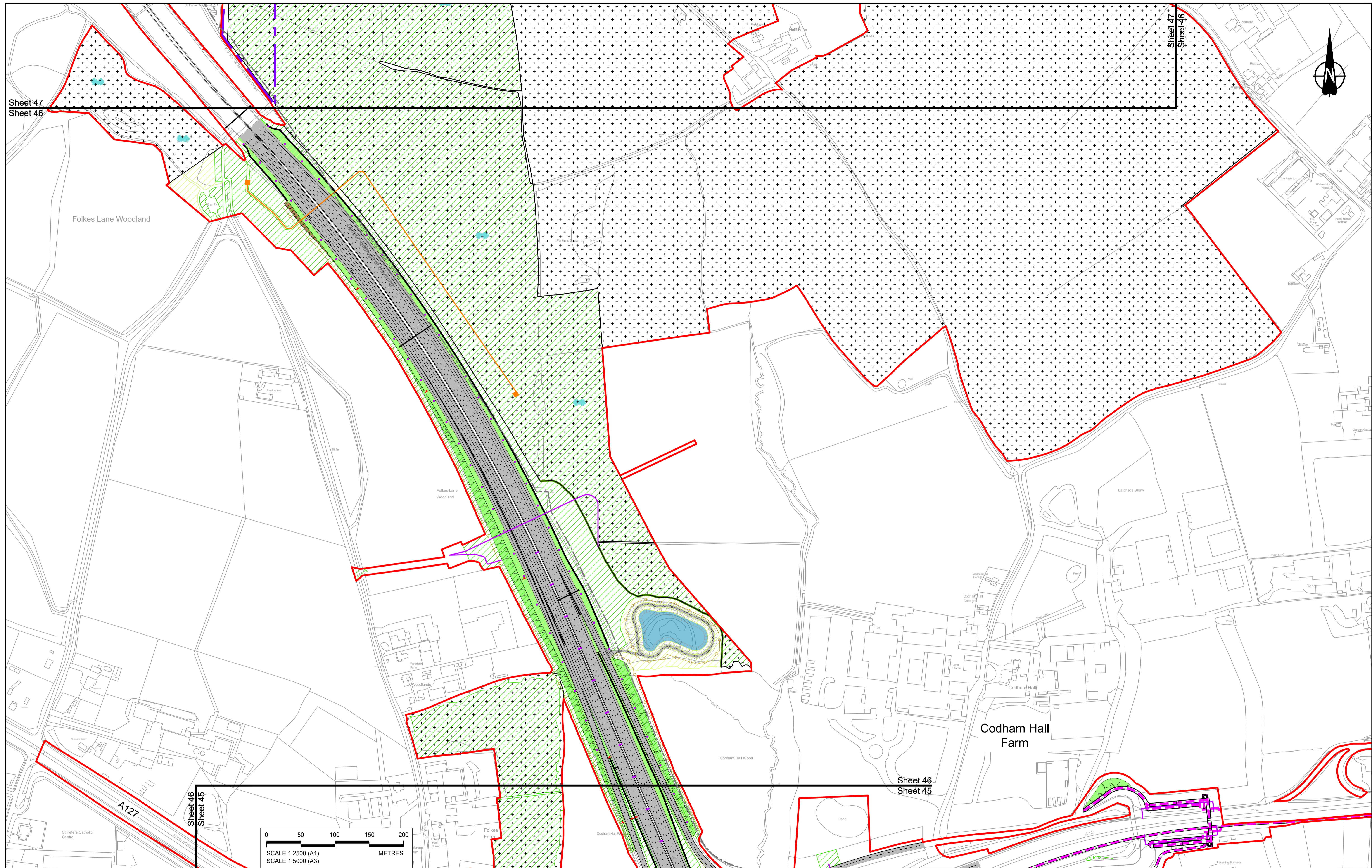
- Woodland planting
- Grassland planting
- Ecological habitat creation and receptor site for protected species
- Temporary ecological habitat
- Bat Barn structure
- Ecological pond



Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.5	Scale	1:2500		
Drawing title	GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 45				
Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10043				



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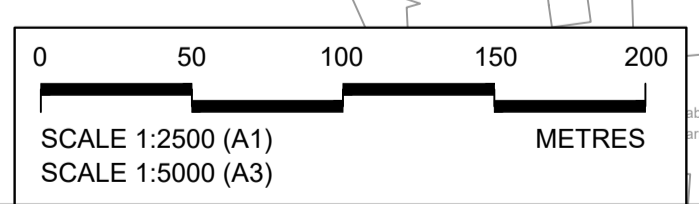
Sheet 47
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Folkes Lane Woodland

Codham Hall Farm

A127
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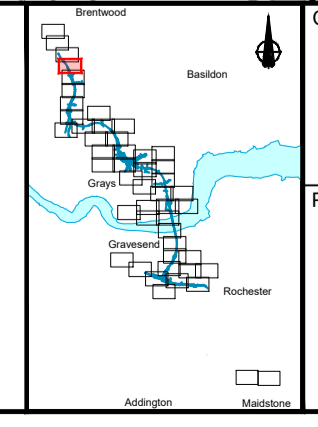
NOTES:
 1. The proposed arrangement of the Scheme is illustrative only and will be subject to change as part of detailed design development. Any changes will be limited to being within the constraints included in the Development Consent Order (application document reference TR010032/APP/3.1).
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BOUNDARIES
 Order Limits
 Local Authority boundary
 Proposed replacement travellers site
PROPOSED ENGINEERING AND CONSTRUCTION
 New carriageway
 Overbridge
 Underpass
 Culvert
 Traffic sign
 Gantry
 Lighting
 Infiltration basin, detention basin or retention pond
 Walking, cycling and horse-riding routes
 Green Roof for Tunnel Service Building
 Tunnel
 Ground protection tunnel

Earthworks - Cutting
 Earthworks - Embankment
 Earthworks - False cutting and landscaping
 Verge
 Retaining wall
 Water pipe & self-regulating valve
 Maintenance access
 Car park
 Rendezvous point
PROPOSED UTILITIES
 Central reserve crossing point
 Underground gas diversion
 Realigned or modified overhead electricity line
 Underground multiutility alignment
 Diversion ties into existing network
 Utility compound or substation

PROPOSED ENVIRONMENTAL WORKS
 Woodland planting
 Grassland planting
 Ecological habitat creation and receptor site for protected species
 Temporary ecological habitat
 Bat Barn structure
 Ecological pond
 Flood Compensation Area
 Open space provision, replacement open space or replacement common land
 Hedgerow
 Watercourse diversion
 Ecological fencing (badger)
 Acoustic barrier
 Fencing

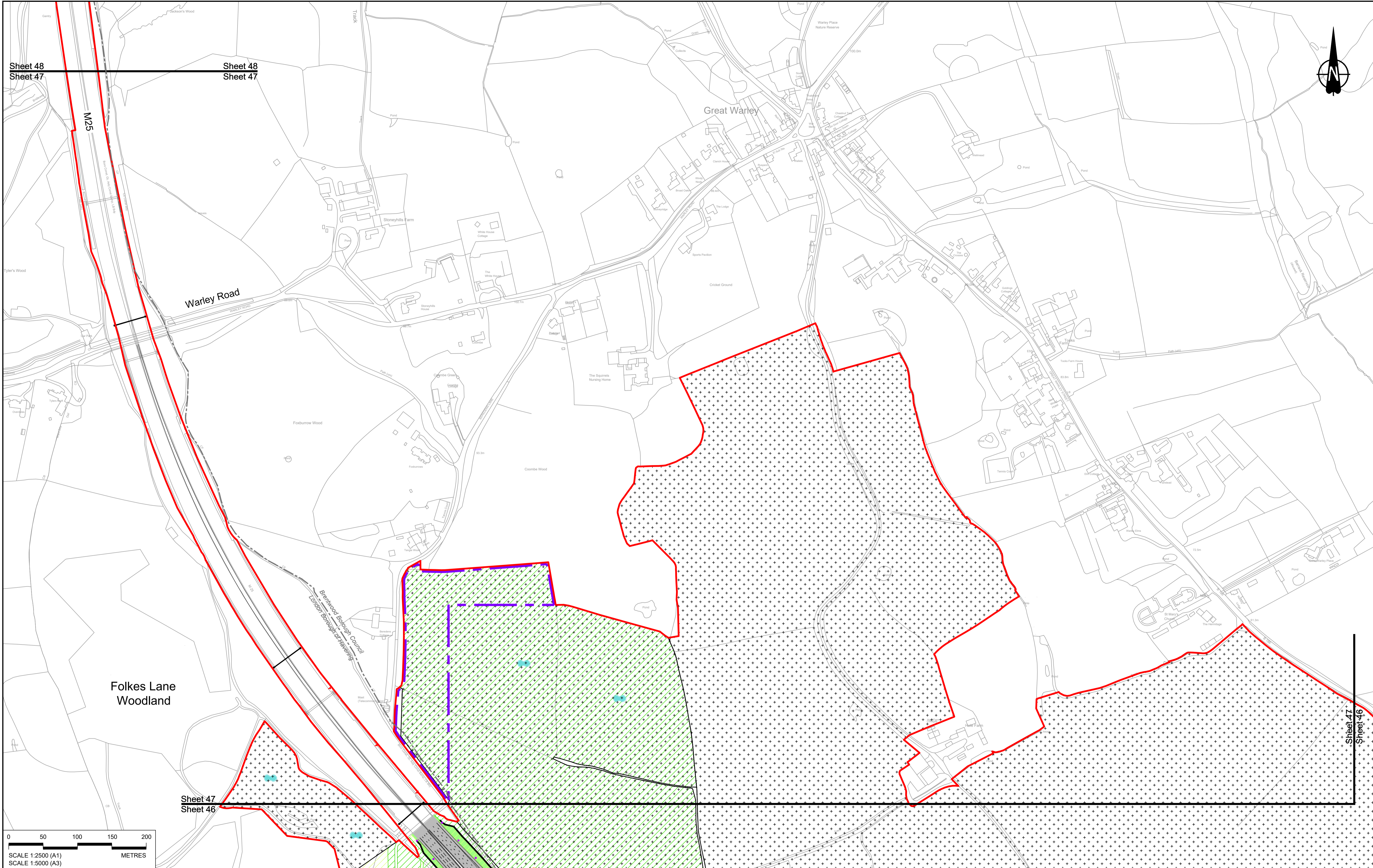
Contains Ordnance Survey data. © Crown copyright and database rights 2023. Ordnance Survey 100030649						
P01	S8	19/10/2022	DCO Application	GP	RO	ASB
P02	S8	11/12/2023	Deadline 9	GP	RO	ASB
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd



national highways

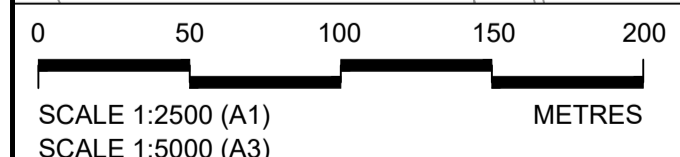
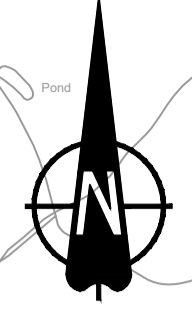
Client
 Project
LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.5	Scale	1:2500		
Drawing title	GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 46				
Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10044				



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

BOUNDARIES

- Order Limits
- Local Authority boundary
- Proposed replacement travellers site

PROPOSED ENGINEERING AND CONSTRUCTION

- New carriageway
- Overbridge
- Underpass
- Culvert
- Traffic sign
- Gantry
- Lighting
- Infiltration basin, detention basin or retention pond
- Walking, cycling and horse-riding routes
- Green Roof for Tunnel Service Building
- Tunnel
- Ground protection tunnel

PROPOSED UTILITIES

- Underground gas diversion
- Realigned or modified overhead electricity line
- Underground multiutility alignment
- Division ties into existing network
- Utility compound or substation

Earthworks - Cutting

Earthworks - Embankment

Earthworks - False cutting and landscaping

Verge

Retaining wall

Water pipe & self-regulating valve

Maintenance access

Car park

Rendezvous point

PROPOSED ENVIRONMENTAL WORKS

- Woodland planting
- Grassland planting
- Ecological habitat creation and receptor site for protected species
- Temporary ecological habitat
- Bat Barn structure
- Ecological pond

Flood Compensation Area

- Open space provision, replacement open space or replacement common land
- Hedgerow
- Watercourse diversion
- Ecological fencing (badger)
- Acoustic barrier
- Fencing

Client

Project

national highways

LOWER THAMES CROSSING

Status

DCO Examination

Application Document Number

TR010032/APP/2.5

Drawing title

GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 47

Drawing Number

HE540039-CJV-BOP-SZZ_GN000000 -DR-CX-10045

Original Size

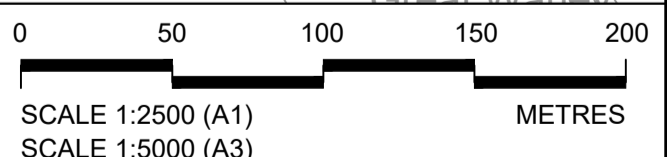
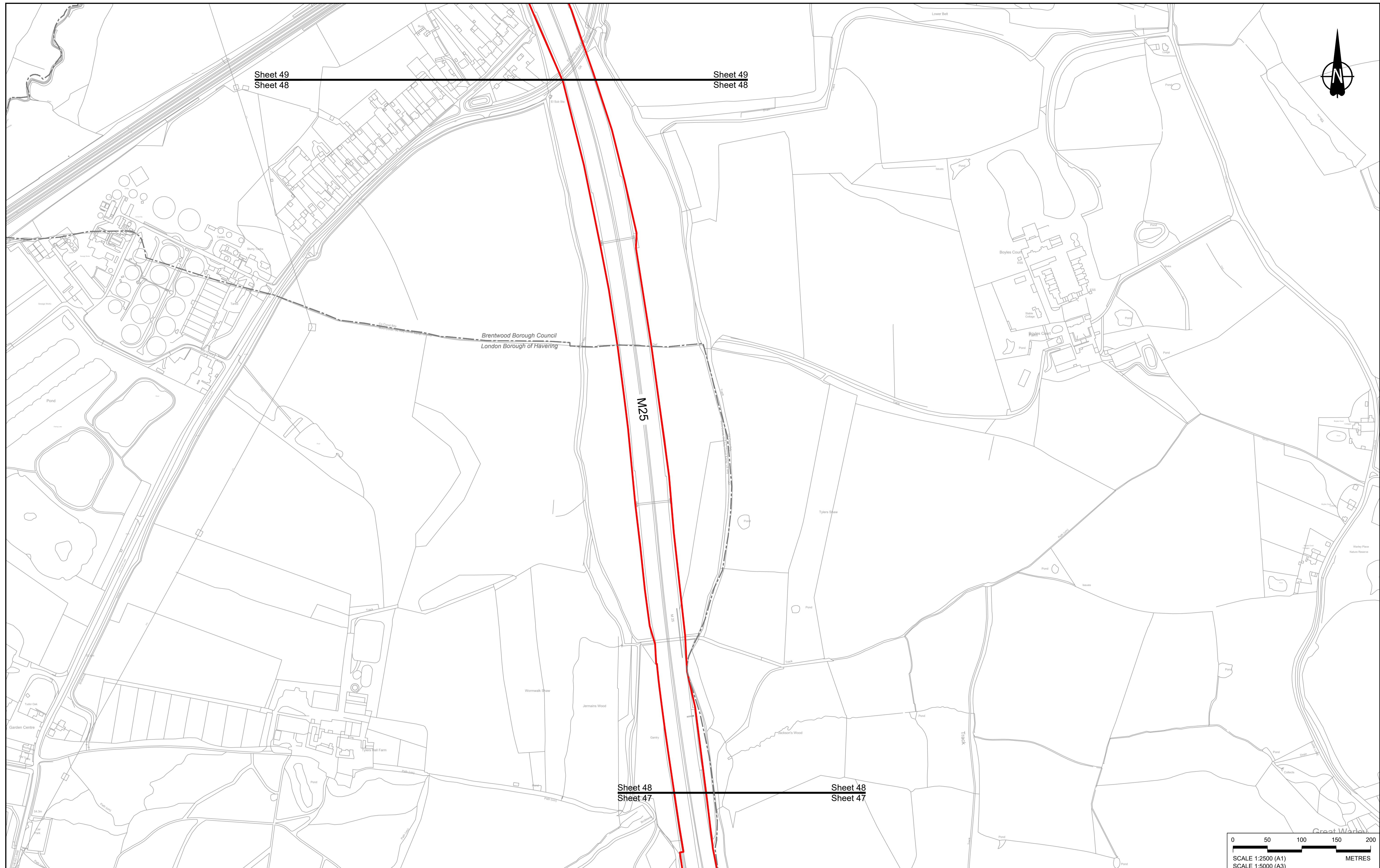
A1

Revision

P02

Scale

1:2500



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

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BOUNDARIES

	Order Limits
	Local Authority boundary
	Proposed replacement travellers site

PROPOSED ENGINEERING AND CONSTRUCTION

	New carriageway
	Overbridge
	Underpass
	Culvert
	Traffic sign
	Gantry
	Lighting
	Infiltration basin, detention basin or retention pond
	Walking, cycling and horse-riding routes
	Green Roof for Tunnel Service Building
	Tunnel
	Ground protection tunnel

PROPOSED UTILITIES

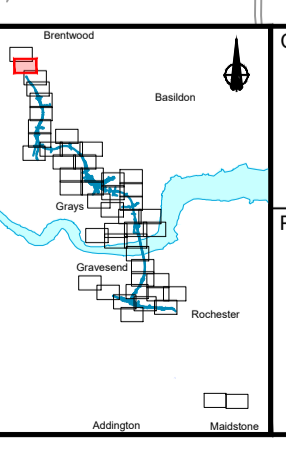
	Underground gas diversion
	Realigned or modified overhead electricity line
	Underground multiutility alignment
	Diversion ties into existing network
	Utility compound or substation

PROPOSED ENVIRONMENTAL WORKS

	Woodland planting
	Grassland planting
	Ecological habitat creation and receptor site for protected species
	Temporary ecological habitat
	Bat Barn structure
	Ecological pond

PROPOSED ENVIRONMENTAL WORKS

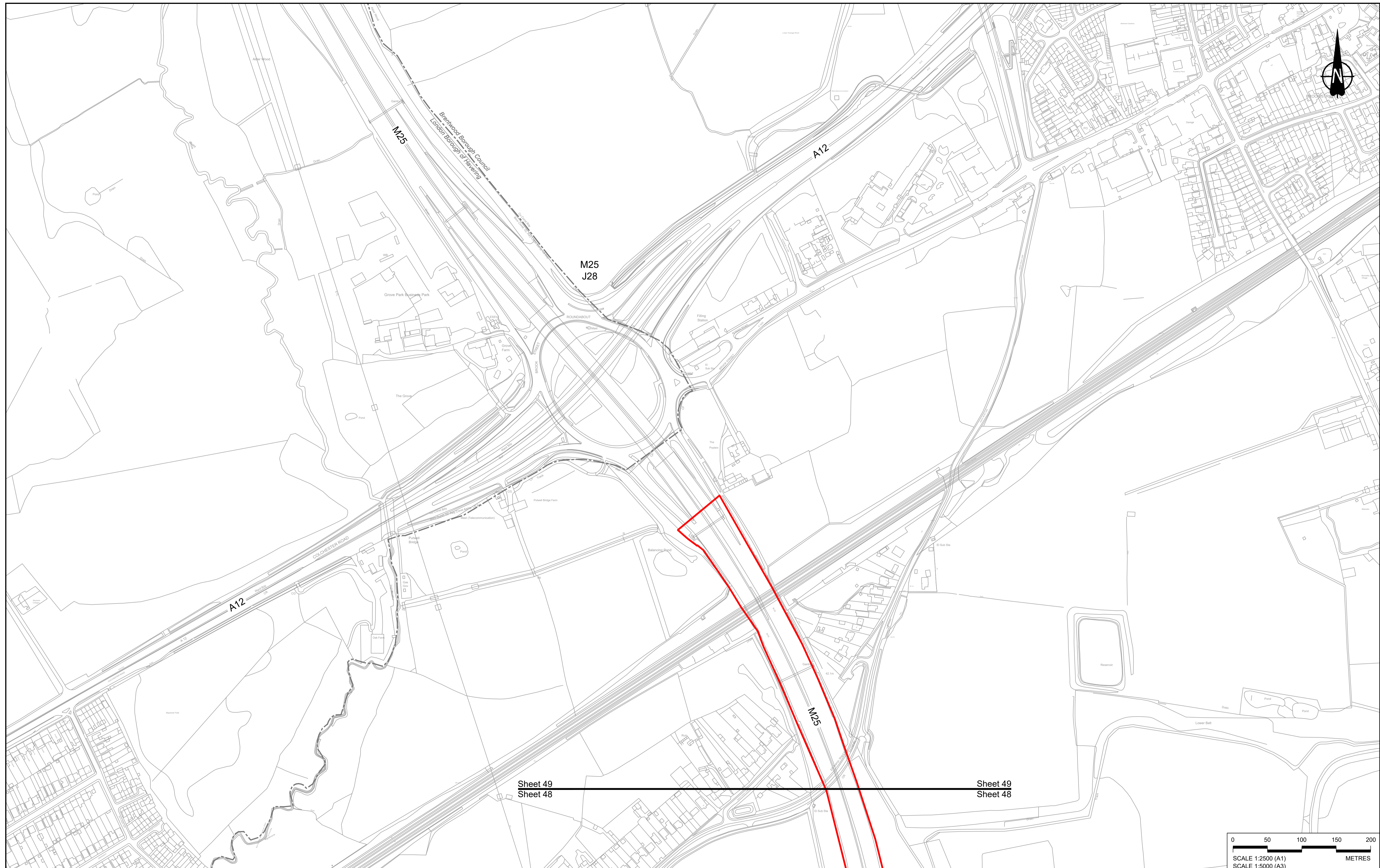
	Flood Compensation Area
	Open space provision, replacement open space or replacement common land
	Hedgerow
	Watercourse diversion
	Ecological fencing (badger)
	Acoustic barrier
	Fencing



Client: **national highways**

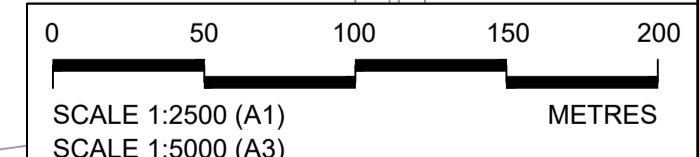
Project: **LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/2.5	Scale	1:2500		
Drawing title	GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 48				
Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10046				



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

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BOUNDARIES

	Order Limits
	Local Authority boundary
	Proposed replacement travellers site

PROPOSED ENGINEERING AND CONSTRUCTION

	New carriageway
	Overbridge
	Underpass

	Culvert
	Traffic sign
	Gantry
	Lighting
	Infiltration basin, detention basin or retention pond
	Walking, cycling and horse-riding routes
	Green Roof for Tunnel Service Building
	Tunnel
	Ground protection tunnel

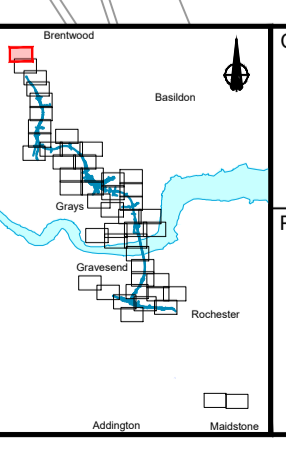
PROPOSED UTILITIES

	Underground gas diversion
	Realigned or modified overhead electricity line
	Underground multistage alignment
	Diversion ties into existing network
	Utility compound or substation

PROPOSED ENVIRONMENTAL WORKS

	Woodland planting
	Grassland planting
	Ecological habitat creation and receptor site for protected species
	Temporary ecological habitat
	Bat Barn structure
	Ecological pond

	Flood Compensation Area
	Open space provision, replacement open space or replacement common land
	Hedgerow
	Watercourse diversion
	Ecological fencing (badger)
	Acoustic barrier
	Fencing



Client: **national highways**

Project: **LOWER THAMES CROSSING**

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Application Document Number	TR010032/APP/2.5	Scale	1:2500		
Drawing title	GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 49				
Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10047				

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