

Lower Thames Crossing

10.7 Extract from General Arrangement Plans Volume C (Sheets 21 to 49) (Clean version)

Infrastructure Planning (Examination
Procedure) Rules 2010

Volume 10

**DATE: August 2023
Change Application (August 2023)**

Planning Inspectorate Scheme Ref: TR010032
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VERSION: 1.0

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Lower Thames Crossing

10.7 Extract from General Arrangement Plans

Volume C (Sheets 21 to 49)

(Clean version)

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1 Introduction

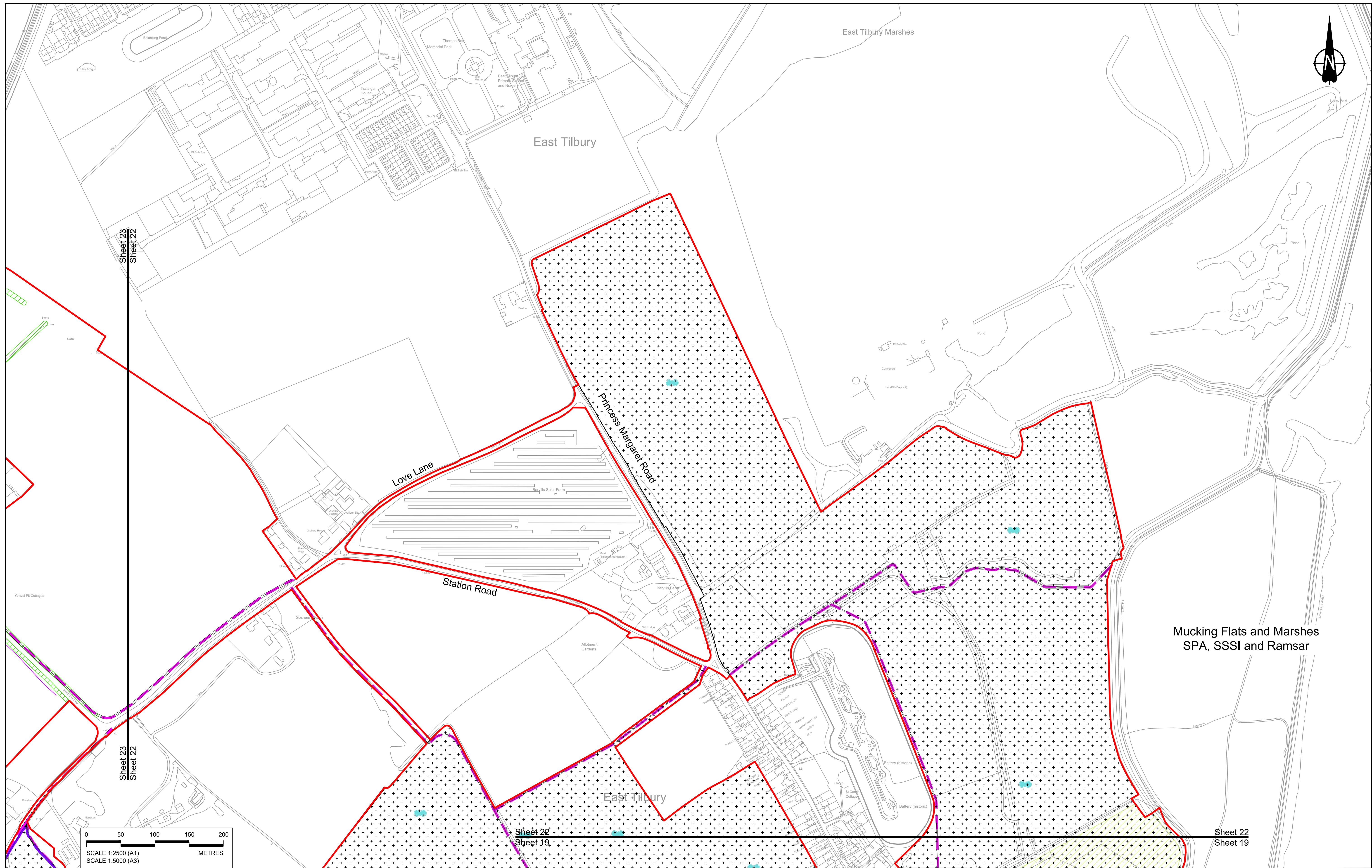
- 1.1.1 This document is submitted to the Planning Inspectorate on behalf of the Secretary of State in relation to an application made by National Highways (the Applicant) under section 37 of the Planning Act 2008.
- 1.1.2 The application is for the grant of development consent for the A122 Lower Thames 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 high voltage electricity cables, underground multiutility works and high- and medium-pressure gas 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 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 The table below provides the schedule of plans which will be changed in relation to this change application. The other plans from the set have not been provided as are not impacted.
- 1.1.16 The plans in this set were updated to reflect the application change using the current baseline, at the time of the proposed changes. As such, the revision number shown is the next in sequence for each individual plan sheet. Following best practice, the revision history block was left unaltered showing the historical issues of each plan. Each of these plan sheets will be in abeyance until formal acceptance of the application change.

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	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 1	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 2	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 22	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 23	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 24	TR010032/APP/2.5	P02

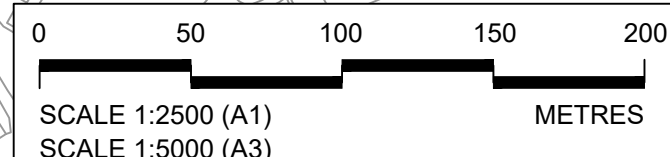


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NOTES:
 1. The proposed arrangement of the Scheme is illustrative only and will be subject to change as part of detailed design development. Any changes will be limited to being within the constraints included in the Development Consent Order (application document reference TR010032/APP/3.1).
 2. These plans should be read in conjunction with the Development Consent Order (application document reference TR010032/APP/3.1).
 3. 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

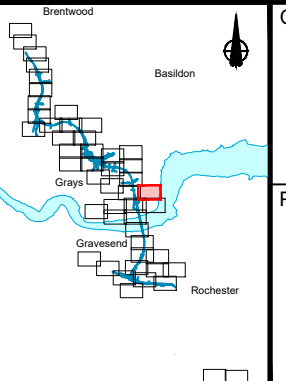
PROPOSED UTILITIES

	Underground gas diversion
	Realigned or modified overhead electricity line
	Underground mult 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

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



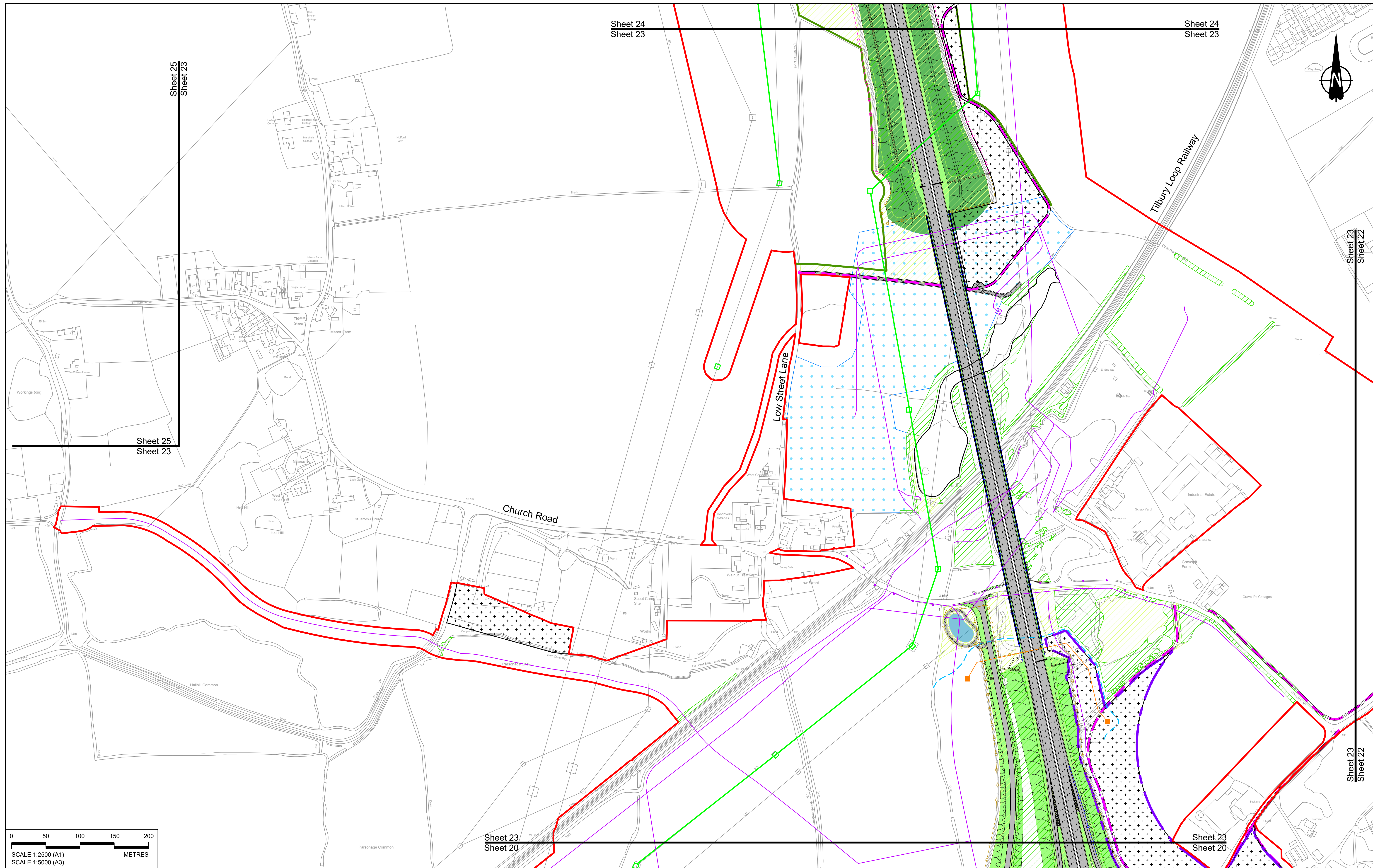
national highways

Client

Project

LOWER THAMES CROSSING

Status	DCO Application	Original Size	A1	Revision	P02
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-55003				



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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

- 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

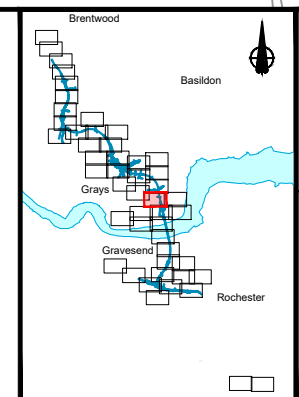
- Underground gas diversion
- Realigned or modified overhead electricity line
- Underground multiutility alignment
- Diversion ties into existing network
- Utility compound or substation

PROPOSED ENVIRONMENTAL WORKS

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

FLOOD COMPENSATION AREA

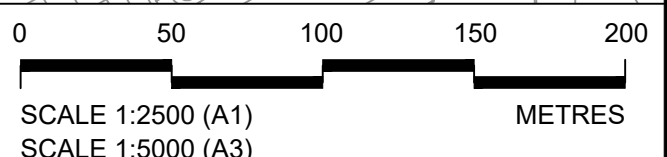
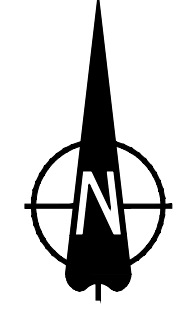
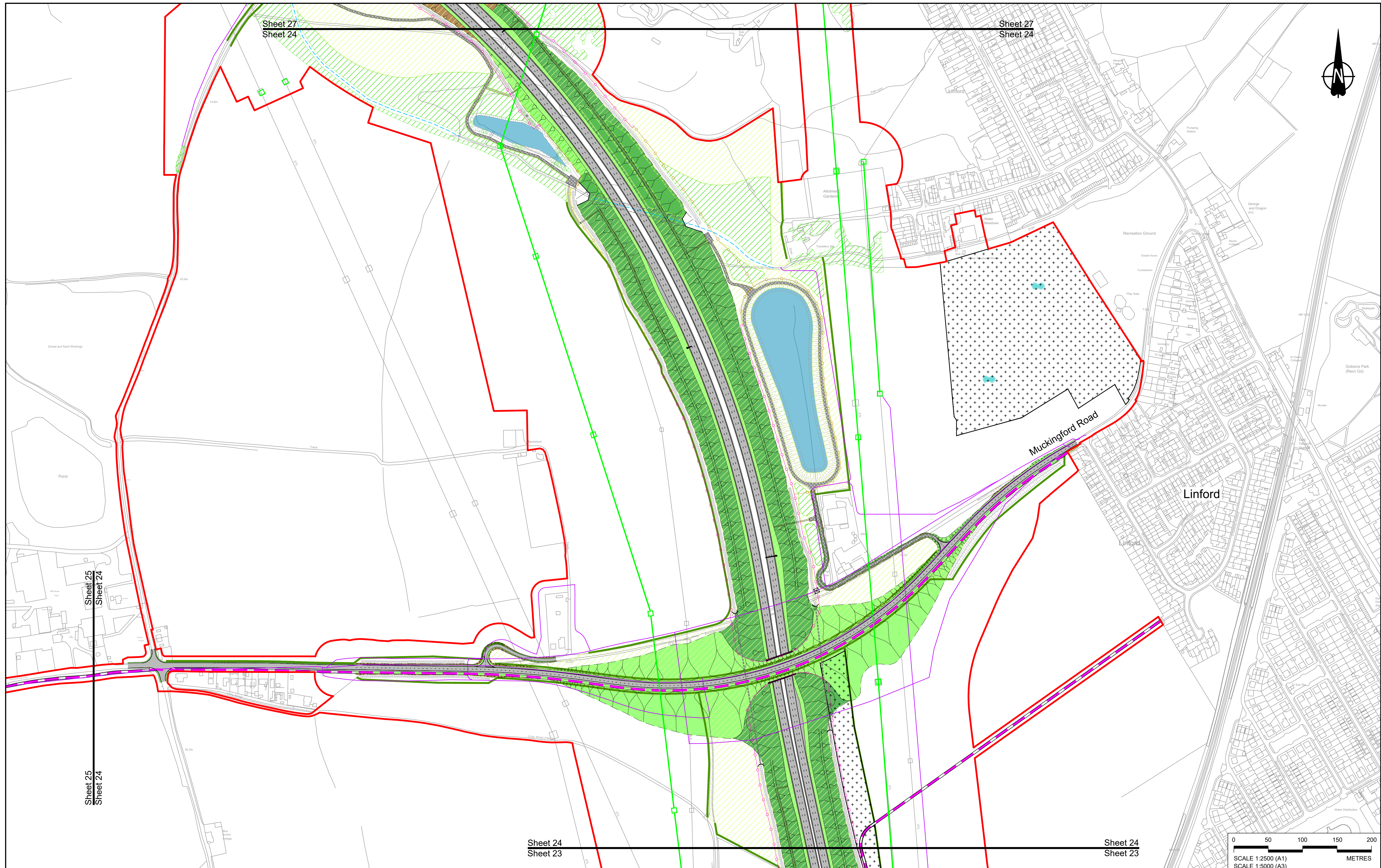
- Open space provision, replacement open space or replacement common land
- Hedgerow
- Watercourse diversion
- Ecological fencing (badger)
- Acoustic barrier
- Fencing



Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A1	Revision	P02
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-55004				



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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	22/09/2023	DCO Application	GP	RO	ASB

BOUNDARIES

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

PROPOSED ENGINEERING AND CONSTRUCTION

- New carriageway
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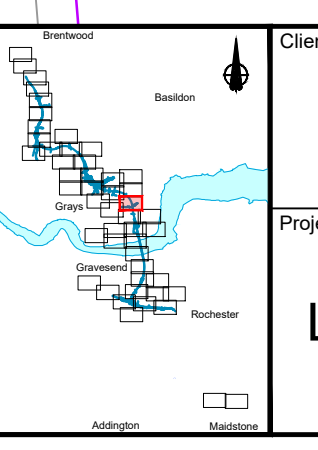
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Drawing title	GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 24				
Drawing Number	HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-55005				

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