Lower Thames Crossing

2.5 General Arrangement Plans Volume C (sheets 21 to 49) (Tracked changes version)

APFP Regulation 5(2)(o)

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

Volume 2

DATE: September **2023**
DEADLINE: 4

Deleted: August
Deleted: 3

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

VERSION: 3.0

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Revision history

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

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Lower Thames Crossing

2.5 General Arrangement Plans Volume C (sheets 21 to 49) (Tracked changes version)

Deleted: 2.5 General Arrangement Plans Volume C (sheets 21 to 49) (Clean version)¶

List of contents

Page number

1 Introduction 1
2 Schedule of Plans included in this application document 4

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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:

a. the proposed highway works, including embankment and cutting earthworks and structures, including new or modified bridges and retaining walls;

b. the routes proposed for new or improved rights of way; the location of new lighting, traffic signs and gantries;

c. proposed above ground drainage features, including the location of culverts and wetlands and infiltration basins;

d. the tunnels and the tunnel cross passages;

e. areas of environmental works that show ecological habitat creation and receptor sites for protected species;

f. areas for open space provision and replacement land;

g. the location and extent of proposed new hedgerows, highways and ecological fencing and acoustic barriers;

h. the location of grassland and woodland planting areas;

i. 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.

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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.

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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 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].

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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	P03
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 3	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 4	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 5	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 6	TR010032/APP/2.5	P02
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 7	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 8	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 9	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 10	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 11	TR010032/APP/2.5	P02

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Document Title	Document Number	Revision
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 12	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 13	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 14	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 15	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 16	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 17	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 18	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 19	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 20	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 21	TR010032/APP/2.5	P01
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	P03
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 24	TR010032/APP/2.5	P02

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Document Title	Document Number	Revision
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 25	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 26	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 27	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 28	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 29	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 30	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 31	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 32	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 33	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 34	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 35	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 36	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 37	TR010032/APP/2.5	P01

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Document Title	Document Number	Revision
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 38	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 39	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 40	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 41	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 42	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 43	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 44	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 45	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 46	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 47	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 48	TR010032/APP/2.5	P01
GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 49	TR010032/APP/2.5	P01

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Tilbury

Brennan Road

Fort Road

Tilbury loop railway

Walton Common

Sheet 21
Sheet 20

Sheet 21
Sheet 20

Sheet 21
Sheet 17

Sheet 21
Sheet 17

0 50 100 150 200

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

METRES

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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

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
- 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

Application Document Number: TR010032/APP/2.5

Original Size: A1

Revision: P01

Scale: 1:2500

Drawing title

GENERAL ARRANGEMENT
REGULATION 5(2)(o)
SHEET 21

Drawing Number

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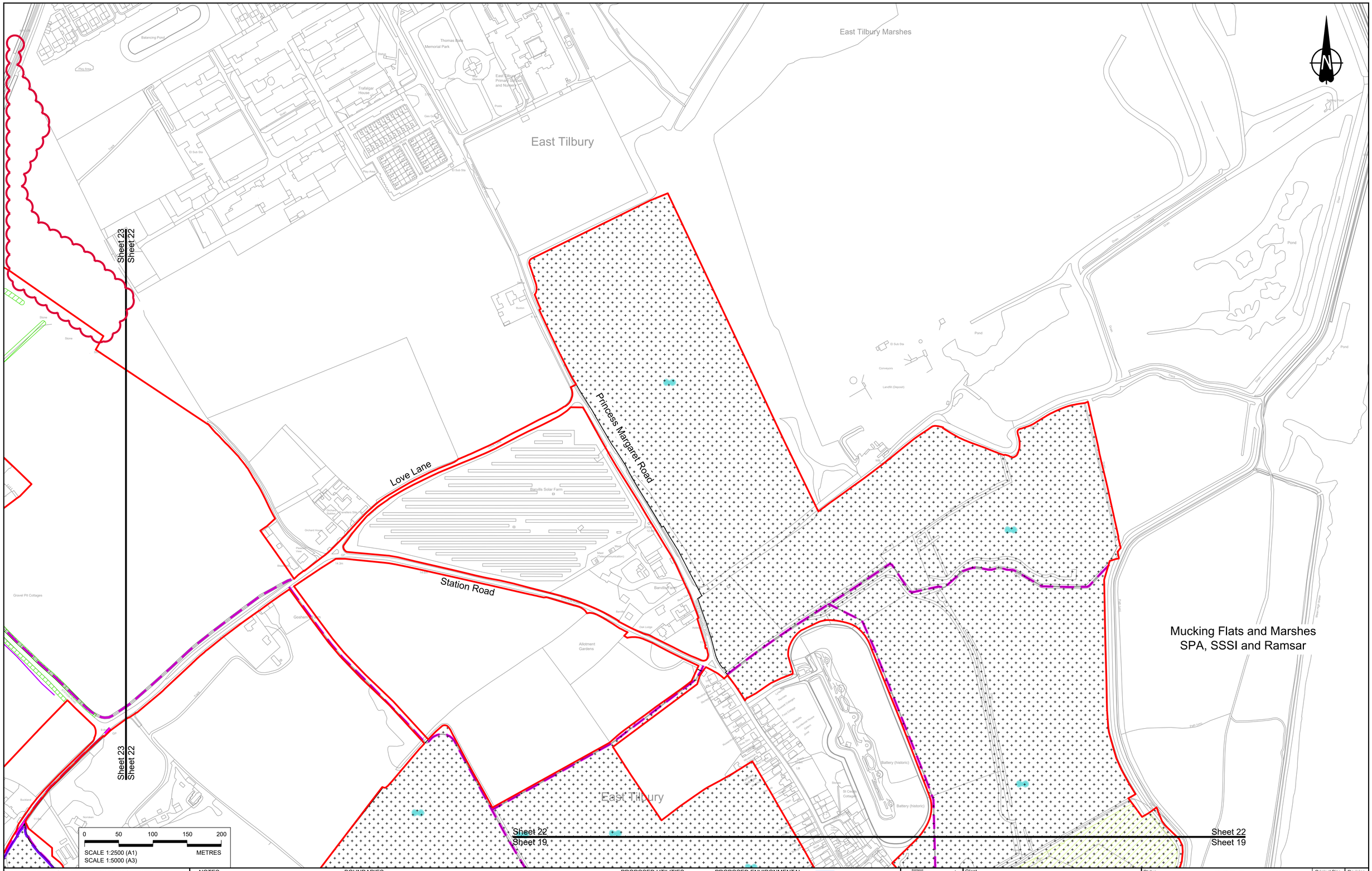
HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10018.dwg



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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	19/09/2023	Deadline 4	GP	RO	ASB

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Client

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Project

LOWER THAMES CROSSING

Status: DCO Examination

Application Document Number: TR010032/APP/2.5

Original Size: A1

Revision: P02

Scale: 1:2500

Drawing title

GENERAL ARRANGEMENT
REGULATION 5(2)(o)
SHEET 22

Drawing Number

HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10019

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Sheet 24
Sheet 23

Sheet 24
Sheet 23

Sheet 25
Sheet 23

Sheet 25
Sheet 23

Sheet 23
Sheet 22

Sheet 23
Sheet 22

Sheet 23
Sheet 20

Sheet 23
Sheet 20

Tilbury Loop Railway

Low Street Lane

Church Road

Hallhill Common

Parsonage Common

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

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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	24/08/2023	Deadline 3	GP	RO	ASB
P03	S8	19/09/2023	Deadline 4	GP	RO	ASB

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Client
national highways

Project
LOWER THAMES CROSSING

Status: DCO Examination
Application Document Number: TR010032/APP/2.5
Original Size: A1
Revision: P03
Scale: 1:2500

Drawing title
GENERAL ARRANGEMENT
REGULATION 5(2)(o)
SHEET 23

Drawing Number
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Sheet 27
Sheet 24

Sheet 27
Sheet 24

Sheet 25
Sheet 24

Sheet 25
Sheet 24

Sheet 24
Sheet 23

Sheet 24
Sheet 23

Muckingford Road

Linford

0 50 100 150 200

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

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

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Client
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Project
LOWER THAMES CROSSING

Status: DCO Examination
Application Document Number: TR010032/APP/2.5
Original Size: A1
Revision: P02
Scale: 1:2500

Drawing title
GENERAL ARRANGEMENT
REGULATION 5(2)(o)
SHEET 24

Drawing Number
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Sheet 26
Sheet 25

Sheet 26
Sheet 25

Chadwell St Mary

Brentwood Road

Chadwell Hill

Linford Road

Sheet 25
Sheet 24

Sheet 25
Sheet 24

Sheet 25
Sheet 23

Rectory Road

Sheet 25
Sheet 23

0 50 100 150 200
METRES

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

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Client
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Project
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Status: DCO Application
Application Document Number: TR010032/APP/2.5
Original Size: A1
Revision: P01
Scale: 1:2500

Drawing title
GENERAL ARRANGEMENT
REGULATION 5(2)(o)
SHEET 25

Drawing Number
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Sheet 29
Sheet 26

Sheet 29
Sheet 26

A1013

B188

A1089

Sheet 26
Sheet 28

Sheet 26
Sheet 28

Chadwell St Mary

Sheet 26
Sheet 25

Sheet 26
Sheet 25

Sockett's Heath

Chadwell Recreation Ground

Cemetery

Palmer's College

0 50 100 150 200

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

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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
- 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
Application Document Number: TR010032/APP/2.5
Original Size: A1
Revision: P01
Scale: 1:2500

Drawing title
GENERAL ARRANGEMENT
REGULATION 5(2)(o)
SHEET 26

Drawing Number
HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10023

HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10023.dwg

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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

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PROPOSED ENGINEERING AND CONSTRUCTION

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- Flood Compensation Area
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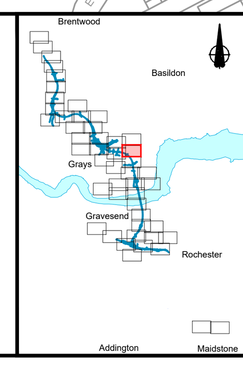
- Hedgerow
- Watercourse diversion
- Ecological fencing (badger)
- Acoustic barrier
- Fencing



Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application

Application Document Number: TR010032/APP/2.5

Original Size: A1

Revision: P01

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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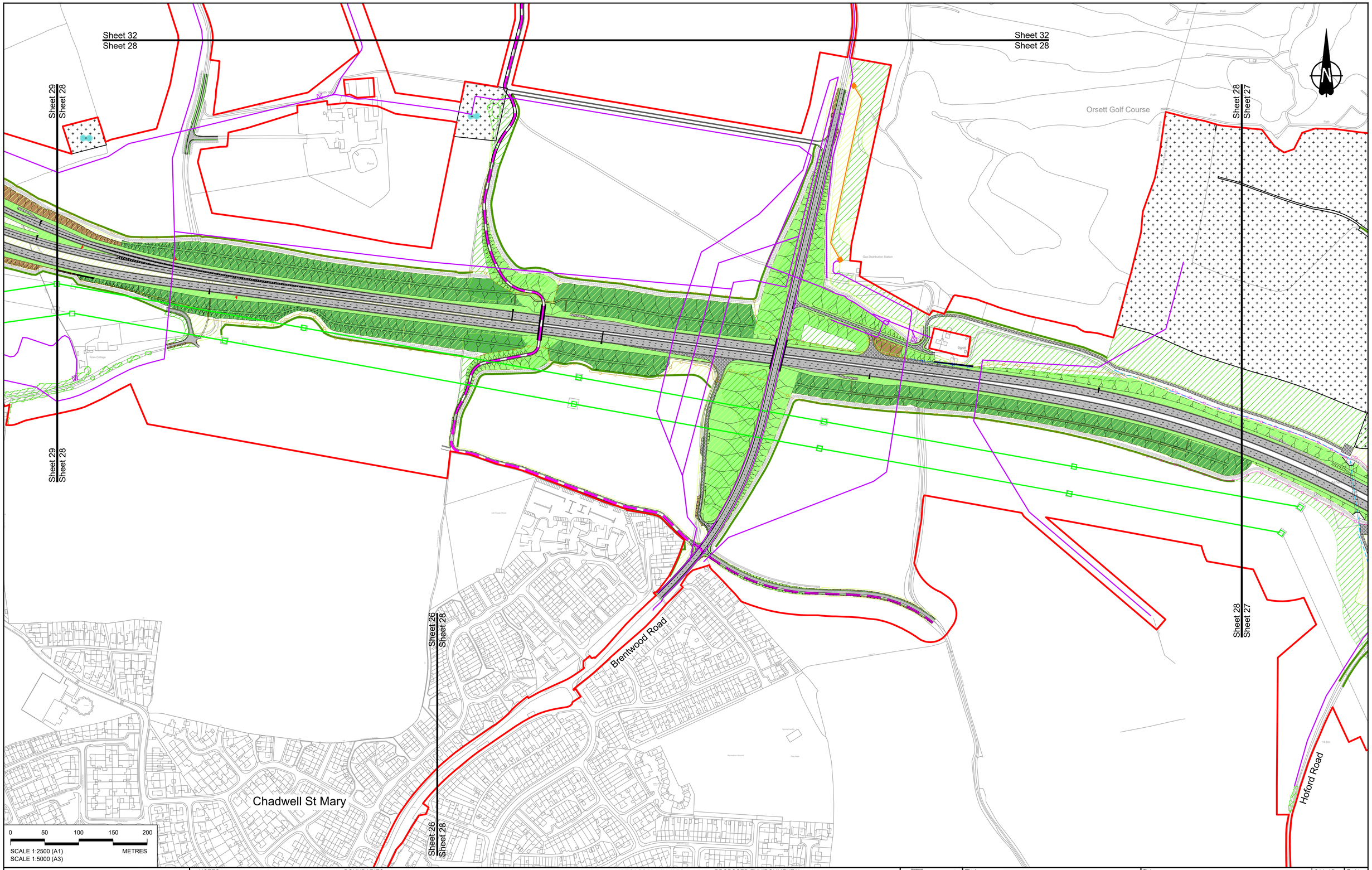

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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	19/10/2022	DCO Application	GP	RO	ASB

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BOUNDARIES
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- Local Authority boundary
- Proposed replacement travellers site

PROPOSED ENGINEERING AND CONSTRUCTION
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- Overbridge
- Underpass
- Culvert
- Traffic sign
- Gantry
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- Earthworks - Embankment
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- Water pipe & self-regulating valve
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- Flood Compensation Area
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- Hedgerow
- Watercourse diversion
- Ecological fencing (badger)
- Acoustic barrier
- Fencing

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application
Application Document Number: TR010032/APP/2.5
Original Size: A1
Revision: P01
Scale: 1:2500

Drawing title: GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 28

Drawing Number: HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10025

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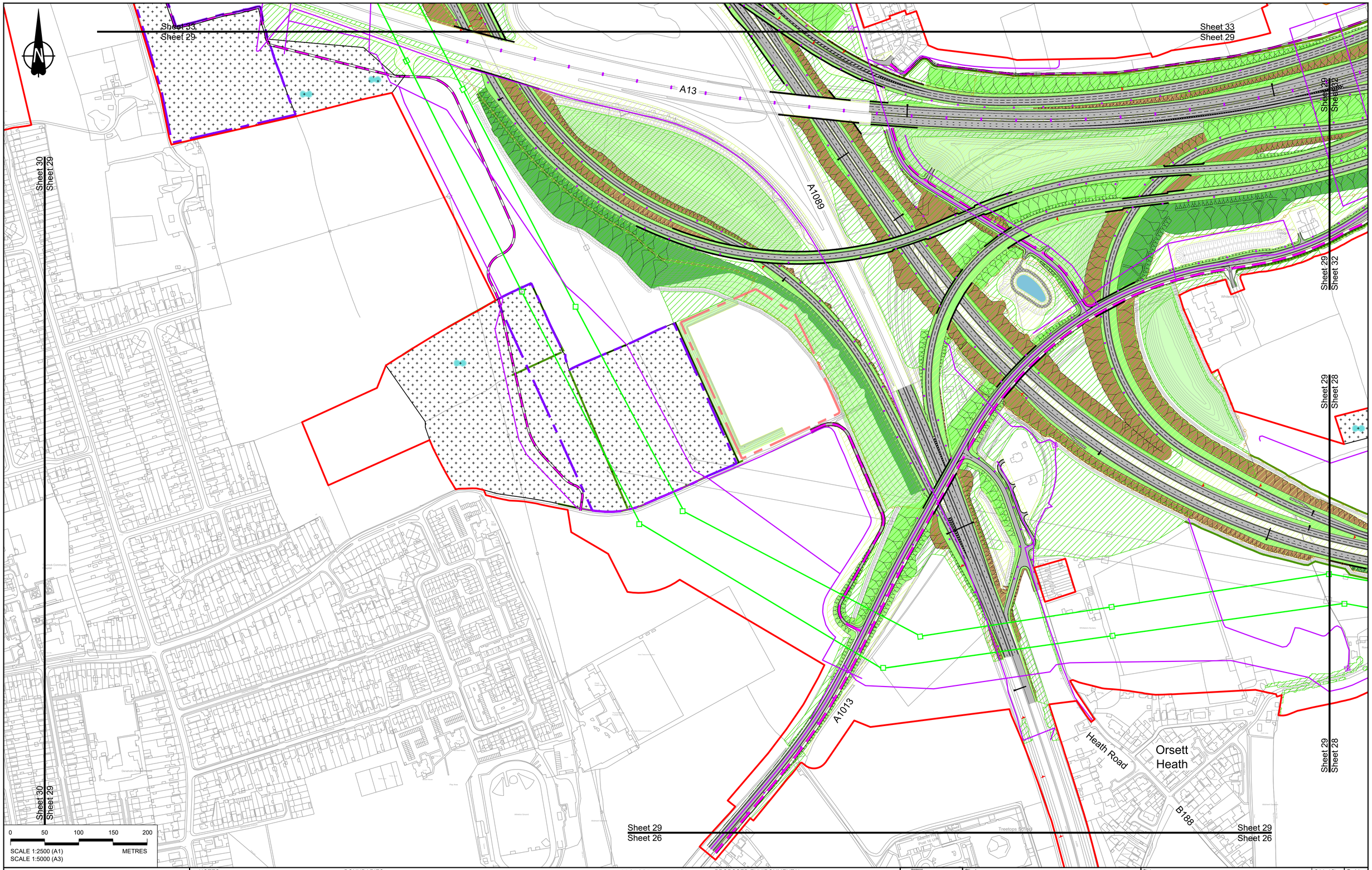

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Client

national highways

Project

LOWER THAMES CROSSING

Status: DCO Application

Original Size: A1

Revision: P01

Application Document Number: TR010032/APP/2.5

Scale: 1:2500

Drawing title

GENERAL ARRANGEMENT
REGULATION 5(2)(o)
SHEET 29

Drawing Number

HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10026

Sheet 34
Sheet 30

Sheet 34
Sheet 30

Medebridge Road

A13

A1012

North Stifford

Little Thurrock

William Edwards School and Sports College (secondary)

Sheet 30
Sheet 29

Sheet 30
Sheet 29

0 50 100 150 200

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

METRES

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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
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Client

national highways

Project

LOWER THAMES CROSSING

Status: DCO Application

Application Document Number: TR010032/APP/2.5

Original Size: A1

Revision: P01

Scale: 1:2500

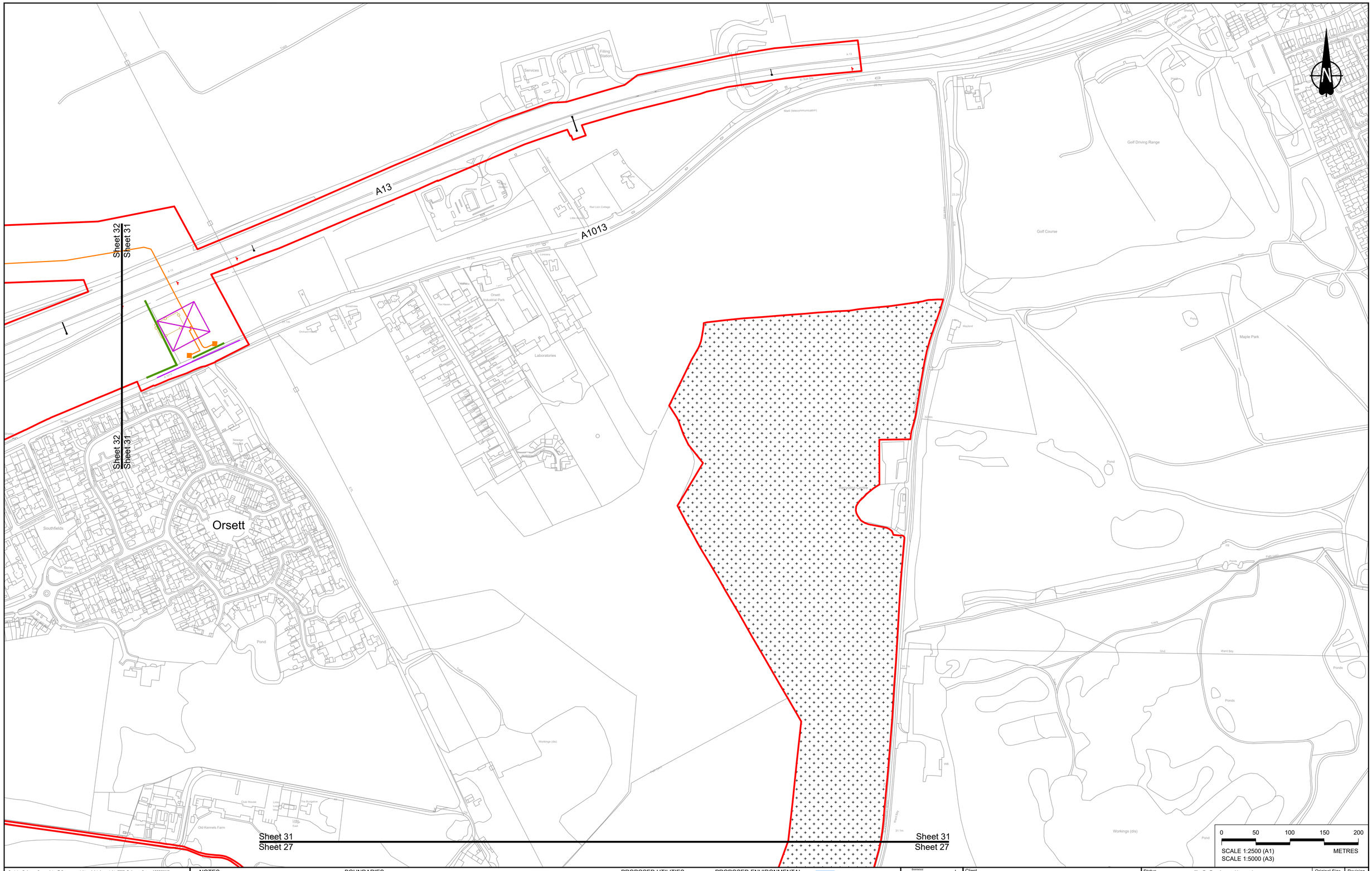
Drawing title

GENERAL ARRANGEMENT
REGULATION 5(2)(o)
SHEET 30

Drawing Number

HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10027

HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10027.dwg



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

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- Hedgerow
- Watercourse diversion
- Ecological fencing (badger)
- Acoustic barrier
- Fencing

Client

national highways

Project

LOWER THAMES CROSSING

Status: DCO Application

Application Document Number: TR010032/APP/2.5

Original Size: A1

Revision: P01

Scale: 1:2500

Drawing title

GENERAL ARRANGEMENT
REGULATION 5(2)(o)
SHEET 31

Drawing Number

HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10028

HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10028.dwg

Orsett Showground

Rectory Road

A13

Orsett Cock Junction

A1013

Brentwood Road

Orsett Golf Course

Sheet 33
Sheet 32

Sheet 29
Sheet 32

Sheet 32
Sheet 31

Sheet 32
Sheet 27

Sheet 32
Sheet 28

0 50 100 150 200

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

METRES

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Client

national highways

Project

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Application Document Number: TR010032/APP/2.5

Original Size: A1

Revision: P01

Scale: 1:2500

Drawing title

GENERAL ARRANGEMENT
REGULATION 5(2)(o)
SHEET 32

Drawing Number

HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10029

HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10029.dwg

Sheet 35
Sheet 33

Sheet 35
Sheet 33

Sheet 34
Sheet 33

Sheet 34
Sheet 33

Sheet 33
Sheet 32

Sheet 33
Sheet 32

Sheet 33
Sheet 29

Sheet 33
Sheet 29

Stifford Clays Road

A13

Orsett

Orsett

0 50 100 150 200

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

METRES

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Client

national highways

Project

LOWER THAMES CROSSING

Status: DCO Application

Original Size: A1

Revision: P01

Application Document Number: TR010032/APP/2.5

Scale: 1:2500

Drawing title

GENERAL ARRANGEMENT
REGULATION 5(2)(o)
SHEET 33

Drawing Number

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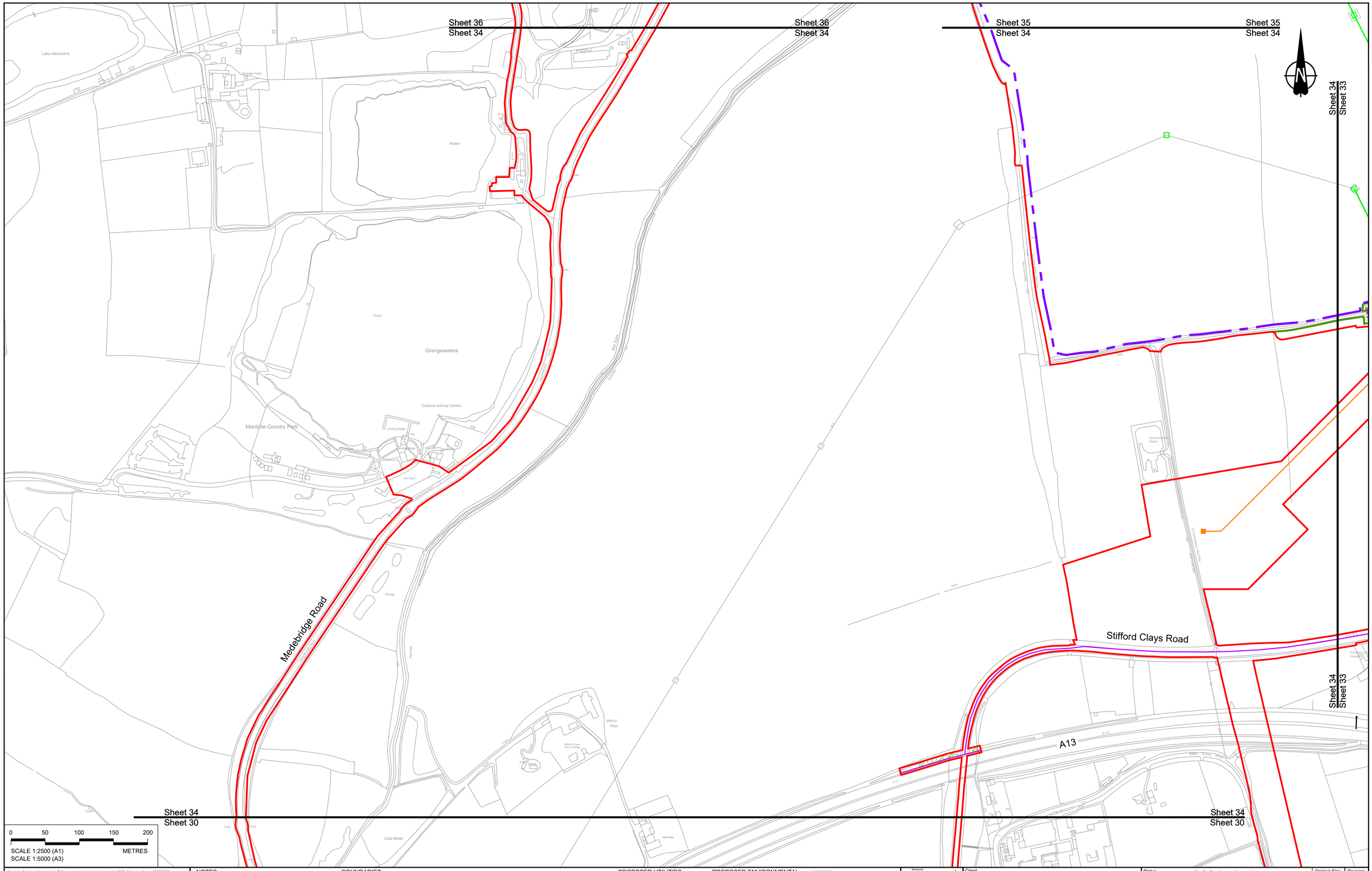

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Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application

Application Document Number: TR010032/APP/2.5

Original Size: A1

Revision: P01

Scale: 1:2500

Drawing title: GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 34

Drawing Number: HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10031

HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10031.dwg

Sheet 38
Sheet 35

Sheet 38
Sheet 35

Sheet 37
Sheet 35

Orsett Fen

Sheet 37
Sheet 35

Sheet 36
Sheet 35

Mardyke

Reservoir

BBr

BBr

Sheet 36
Sheet 35

Sheet 35
Sheet 34

Sheet 35
Sheet 34

Sheet 35
Sheet 33

Sheet 35
Sheet 33

0 50 100 150 200

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

METRES

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national highways

Project

LOWER THAMES CROSSING

Status: DCO Application

Application Document Number: TR010032/APP/2.5

Original Size: A1

Revision: P01

Scale: 1:2500

Drawing title

GENERAL ARRANGEMENT
REGULATION 5(2)(o)
SHEET 35

Drawing Number

HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10032

HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10032.dwg

Sheet 39
Sheet 36

Sheet 39
Sheet 36

Sheet 38
Sheet 36

Sheet 38
Sheet 36

Sheet 36
Sheet 35

Sheet 36
Sheet 35

Sheet 36
Sheet 34

Sheet 36
Sheet 34

Medebridge Road

Little Mollands Farm

Great Mollands Farm

Lake Alexandria

0 50 100 150 200

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

METRES

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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

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
- 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: P01

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

HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10033.dwg

Stringcock Fen

Parker's Farm Road

Castle's Gorse

Pond

Parker's Farm

Parker's Cottages

Orsett Fen

Sheet 38
Sheet 37

Sheet 37
Sheet 35

0 50 100 150 200

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

METRES

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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
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Brentwood
Basildon
Grays
Gravesend
Rochester
Addington
Maidstone

Client

national highways

Project

LOWER THAMES CROSSING

Status: DCO Application

Application Document Number: TR010032/APP/2.5

Original Size: A1

Revision: P01

Scale: 1:2500

Drawing title

GENERAL ARRANGEMENT
REGULATION 5(2)(o)
SHEET 37

Drawing Number

HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10034

HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10034.dwg

Sheet 41
Sheet 38

Sheet 41
Sheet 38

Sheet 39
Sheet 38

Sheet 39
Sheet 38

Sheet 38
Sheet 37

Sheet 38
Sheet 37

Ockendon
Landfill

Sheet 38
Sheet 36

Sheet 38
Sheet 36

Sheet 38
Sheet 35

Sheet 38
Sheet 35

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

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Client
national highways

Project
LOWER THAMES CROSSING

Status: DCO Application
Application Document Number: TR010032/APP/2.5
Original Size: A1
Revision: P01
Scale: 1:2500

Drawing title
GENERAL ARRANGEMENT
REGULATION 5(2)(o)
SHEET 38

Drawing Number
HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10035

HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10035.dwg

Sheet 42
Sheet 39

North Road

Sheet 41
Sheet 39

Sheet 41
Sheet 39

Sheet 39
Sheet 38

London Borough of Havering
Thurrock Council

Sheet 42
Sheet 39

Sheet 40
Sheet 39

Sheet 40
Sheet 39

Upminster and Grays Branch railway

Sheet 39
Sheet 38

Sheet 39
Sheet 36

Sheet 39
Sheet 36

0 50 100 150 200
METRES

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

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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
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Client
national highways

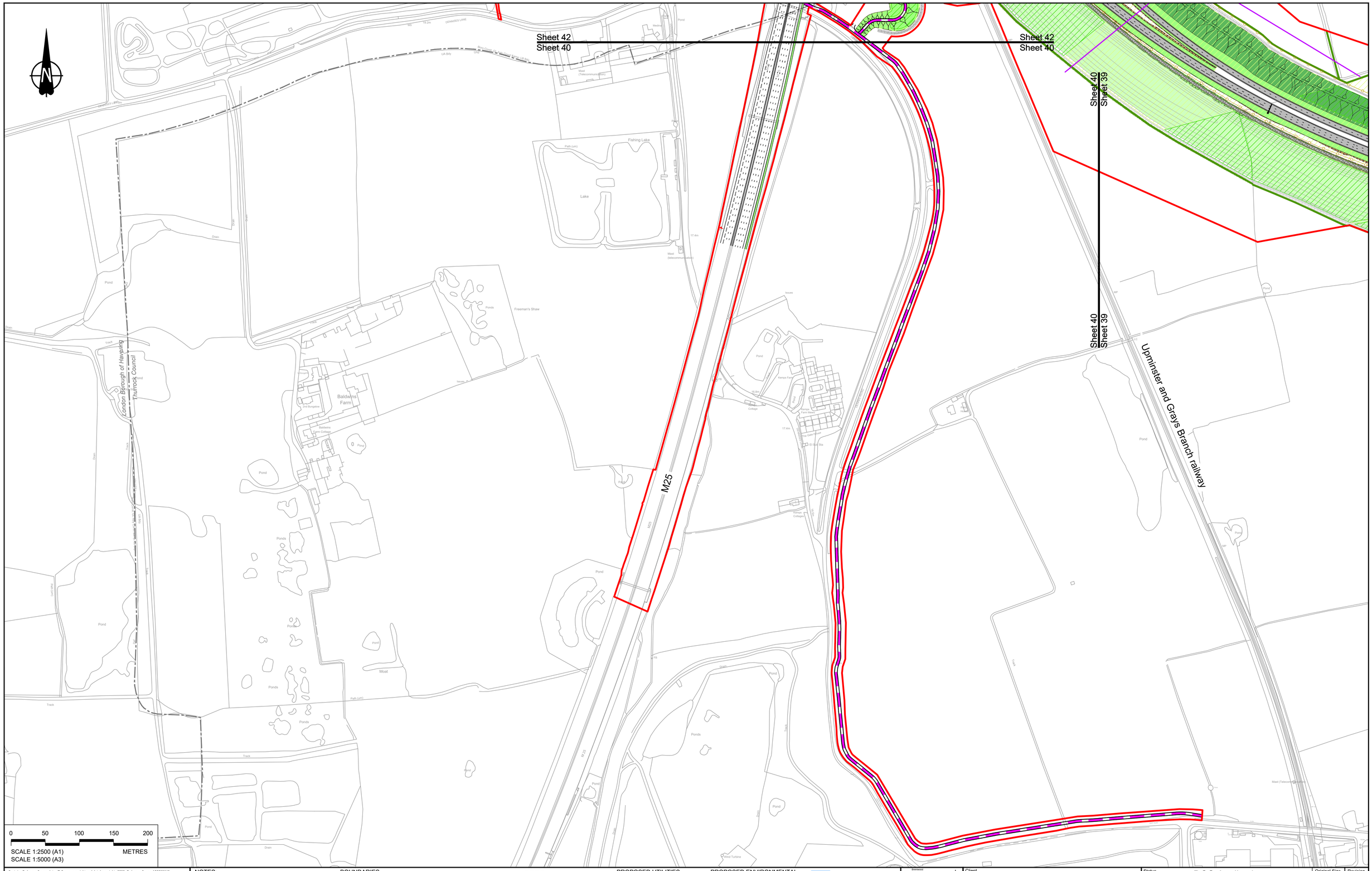
Project
LOWER THAMES CROSSING

Status: DCO Application
Application Document Number: TR010032/APP/2.5
Original Size: A1
Revision: P01
Scale: 1:2500

Drawing title
GENERAL ARRANGEMENT
REGULATION 5(2)(o)
SHEET 39

Drawing Number
HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10036

HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10036.dwg



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Client

national highways

Project

LOWER THAMES CROSSING

Status: DCO Application

Application Document Number: TR010032/APP/2.5

Original Size: A1

Revision: P01

Scale: 1:2500

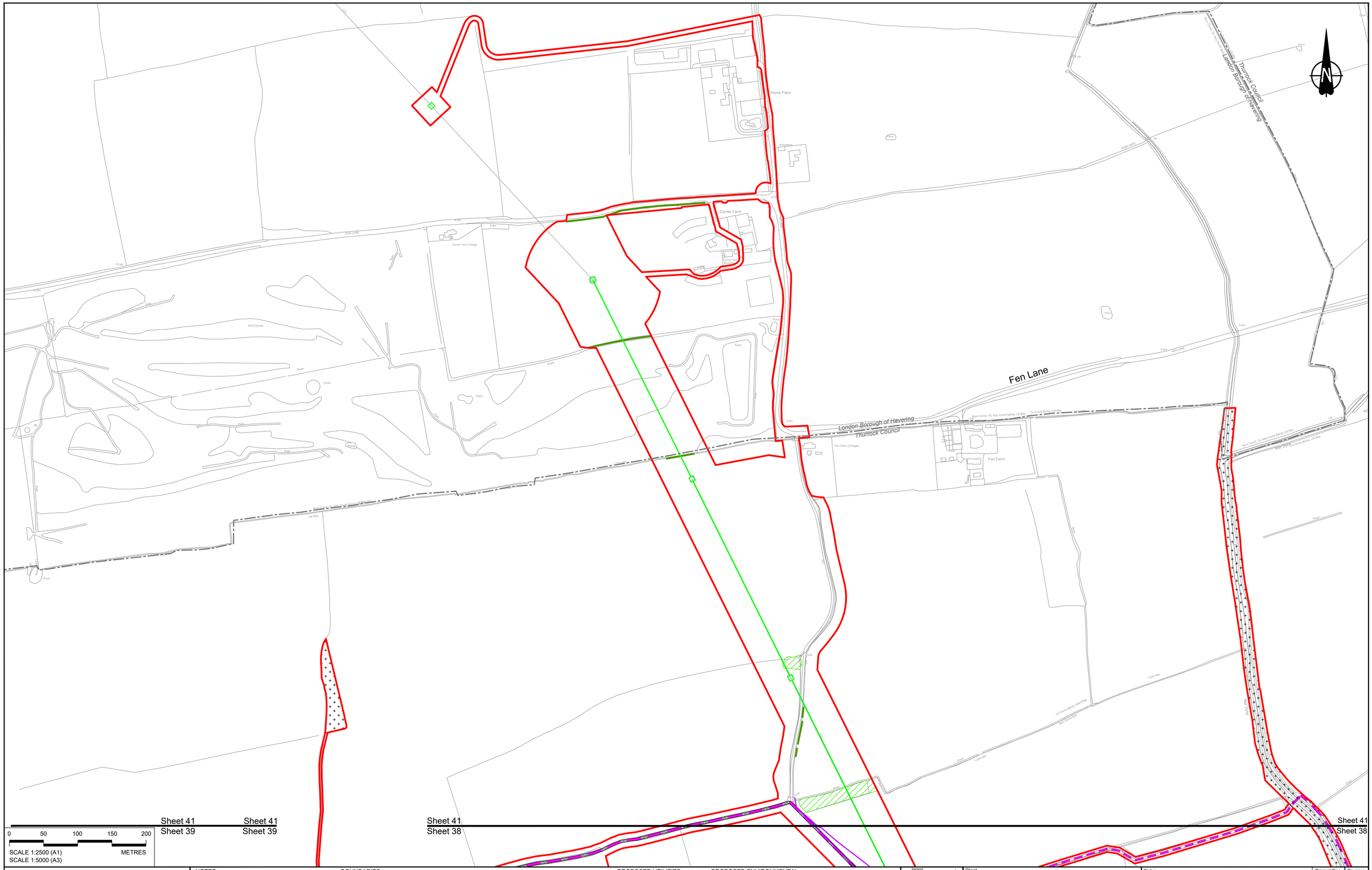
Drawing title

GENERAL ARRANGEMENT
REGULATION 5(2)(o)
SHEET 40

Drawing Number

HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10037

HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10037.dwg



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Client

national highways

Project

LOWER THAMES CROSSING

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Application Document Number: TR010032/APP/2.5

Original Size: A1

Revision: P01

Scale: 1:2500

Drawing title

GENERAL ARRANGEMENT
REGULATION 5(2)(o)
SHEET 41

Drawing Number

HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10039

HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10039.dwg

Sheet 43
Sheet 42

Sheet 43
Sheet 42

Ockendon Road

Upminster and Grays branch railway

Pike Lane

M25

North Ockendon

Pea Lane

Sheet 42
Sheet 39

London Borough of Havering
Thurrock Council

Sheet 42
Sheet 39

Sheet 42
Sheet 40

Sheet 42
Sheet 40

0 50 100 150 200
METRES

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

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Brentwood
Basildon
Grays
Gravesend
Rochester
Addington
Maidstone

Client
national highways

Project
LOWER THAMES CROSSING

Status: DCO Application
Application Document Number: TR010032/APP/2.5
Original Size: A1
Revision: P01
Scale: 1:2500

Drawing title
GENERAL ARRANGEMENT
REGULATION 5(2)(o)
SHEET 42

Drawing Number
HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10040

HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10040.dwg

Sheet 44
Sheet 43

Thames Chase Forest

Pike Lane

Clay Tye Road

North Ockendon

Ockendon Road

Sheet 43
Sheet 42

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

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- Fencing

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application
Application Document Number: TR010032/APP/2.5
Original Size: A1
Revision: P01
Scale: 1:2500

Drawing title: GENERAL ARRANGEMENT REGULATION 5(2)(o) SHEET 43

Drawing Number: HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10041

HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10041.dwg

Sheet 45
Sheet 44

Brentwood Borough Council

London Borough of Havering

Shoeburyness railway

Franks Wood

Franks Farm

Westbury Farm

Cranham Court Nursing Home

B187

St. Marys Lane

Puddleduck Farm Fisheries

Latchford Farm

Thames Chase Forest

North Ockendon

B186

Sheet 44
Sheet 43

0 50 100 150 200

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

METRES

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Brentwood
Basildon
Shell Corner
Grosvenor Bridge
Rochester
Addington
Maidstone

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application
Application Document Number: TR010032/APP/2.5
Original Size: A1
Revision: P01
Scale: 1:2500

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

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

HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10042.dwg

Codham Hall Farm

Sheet 46
Sheet 45

Sheet 46
Sheet 45

A127

Folkes Farm

Tabrums Farm

Codham Hall Wood

Pond

See Design Principle S14.22 (application document reference TR10032/APP/7.5)

Travellers Site

Cranham

Laburnham Stables

Recreation Ground

Play Area

Brentwood Borough Council

Shoeburyness Railway

See Design Principle S14.19 (application document reference TR10032/APP/7.5)

Brentwood Borough Council

London Borough of Havering

Sheet 45
Sheet 44

Sheet 45
Sheet 44

0 50 100 150 200

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

METRES

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P01	S8	19/10/2022	DCO Application	GP	RO	ASB

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BOUNDARIES
- Order Limits
- Local Authority boundary
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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
- 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: P01

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

HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10043.dwg

Sheet 47
Sheet 46

Sheet 47
Sheet 46

Folkes Lane Woodland

Folkes Lane Woodland

Codham Hall Farm

Codham Hall Wood

Sheet 46
Sheet 45

Sheet 46
Sheet 45

A127

0 50 100 150 200

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

METRES

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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

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national highways

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Drawing title
GENERAL ARRANGEMENT
REGULATION 5(2)(o)
SHEET 46

Drawing Number
HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10044

HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10044.dwg

Sheet 48
Sheet 47

Sheet 48
Sheet 47

M25

Great Warley

Warley Road

Folkes Lane
Woodland

Brentwood Borough Council
London Borough of Havering

Sheet 47
Sheet 46

Sheet 47
Sheet 46

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

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

Drawing Number
HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10045

HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10045.dwg

Sheet 49
Sheet 48

Sheet 49
Sheet 48

Brentwood Borough Council
London Borough of Havering

M25

Sheet 48
Sheet 47

Sheet 48
Sheet 47

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

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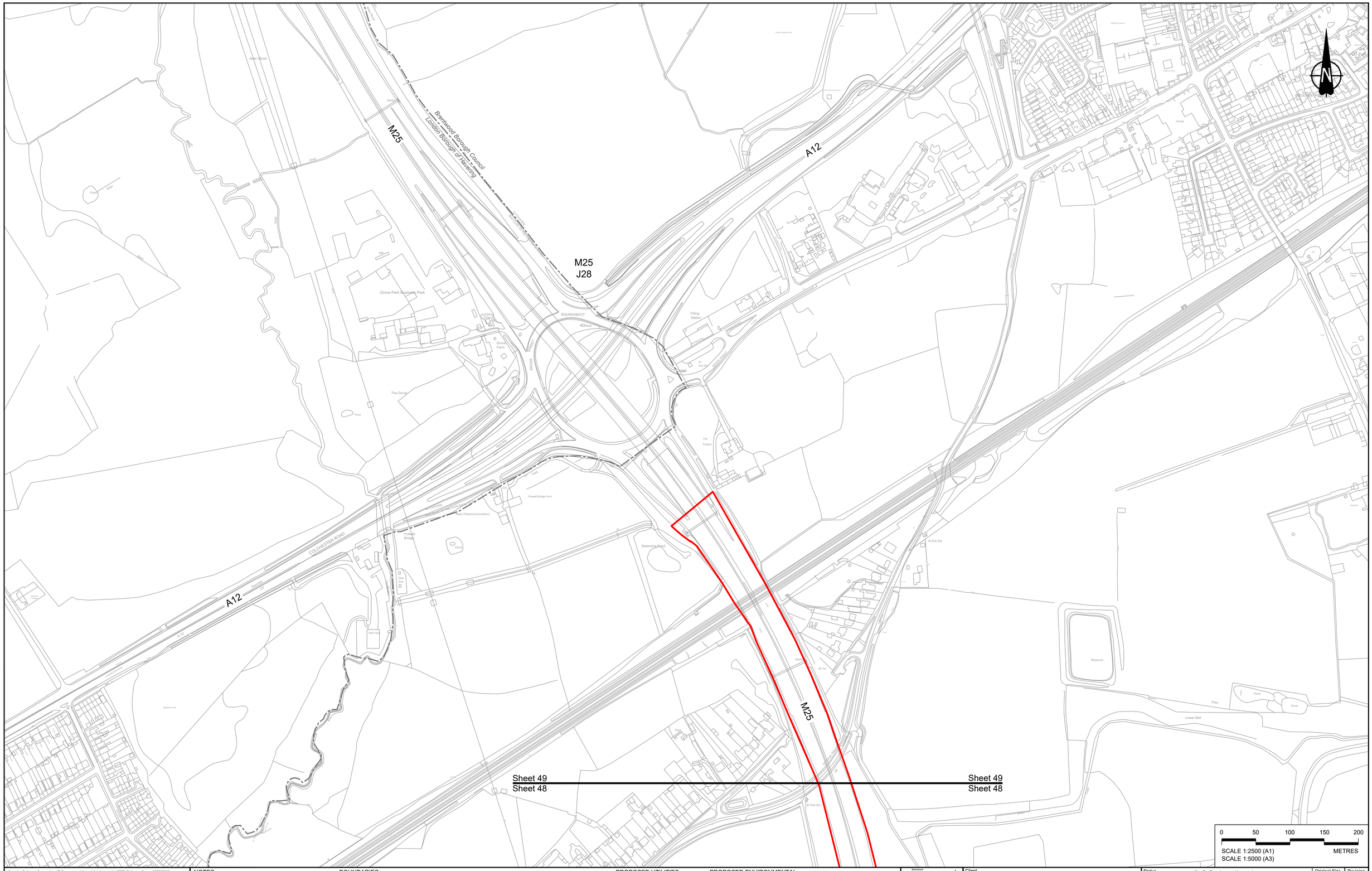
SHEET 48

Drawing Number
HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10046

HE540039-CJV-BOP-SZZ_GN000000_-DR-CX-10046.dwg



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SHEET 49

Drawing Number

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