

# Lower Thames Crossing 2.16 Drainage Plans

Volume <u>B (sheets 1 to 20)</u> (Tracked changes version)

Deleted: A (key plan)

APFP Regulation 5(2)(o)

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

Volume 2

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

**VERSION**: <u>2,0</u>

DATE: <u>September 2023</u> <u>DEADLINE: 4</u>

Deleted: 1

Deleted: October 2022

## (THIS PAGE IS INTENTIONALLY LEFT BLANK)

i

Planning Inspectorate Scheme Ref: TR010032 Application Document Ref: TR010032/APP/2.16 DATE: September 2023 DEADLINE 4

Volume 2

## **Revision History**

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

ii

# Lower Thames Crossing

List of contents

		Page number
1	Introduction	1
2	Schedule of Plans included in this application document .	3

### Volume 2

## **1** Introduction

- 1.1.1 This document is submitted to the Planning Inspectorate on behalf of the Secretary of State in relation to an application made by National Highways (the Applicant) under section 37 of the Planning Act 2008.
- 1.1.2 The application is for the grant of development consent for the A122 Lower Thames Crossing. Should development consent be granted, the draft A122 (Lower Thames Crossing) Development Consent Order (Application Document 3.1) (the draft Order) will be made by the Secretary of State (subject to any modifications considered appropriate).
- 1.1.3 This document comprises part of the suite of application documentation and is included in the application to comply with Regulations 5(2)(o) and Regulation 5(4) of the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009, which require:

5(2)(o) 'any other plans, drawings and sections necessary to describe the proposals for which development consent is sought, showing details of design, external appearance, and the preferred layout of buildings or structures, drainage, surface water management, means of vehicular and pedestrian access, any car parking to be provided, and means of landscaping.

5(4) Where a plan comprises three or more separate sheets a key plan must be provided showing the relationship between the different sheets.'

- 1.1.4 The purpose of the Drainage Plans is to show the key features of the drainage design of the Project for which development consent is sought. Each sheet shows the relevant drainage design within the area shown. The highways design is shown in the background on the Drainage Plans for illustrative purposes and specifically to provide context and aid understanding of the works.
- 1.1.5 This plan set numbers all the proposed wetland and infiltration basins shown in the design. The works numbers provided are shown in the Works Plans (Application Document 2.6) and defined in Schedule 1 of the draft Order (Application Document 3.1).
- 1.1.6 Each sheet shows the relevant drainage design and works numbers applicable within the area shown. Reference should be made to the next relevant sheet for details of works numbers beyond the cut lines. Other information on the Drainage Plans is shown beyond the cut lines for completeness and context.
- 1.1.7 To ensure sufficient detail and clarity of information, the Drainage Plans (sheets 1 to 49) have been prepared at a scale of 1:2500. The key plan uses a smaller scale than that prescribed in Regulation 5(3) of the 2009 Regulations so that the Project can be represented on a single sheet plan.
- 1.1.8 The Applicant has adopted the same consistent approach for Drainage Plans as has been used for the following:

1

- a. Land Plans (Application Document 2.2)
- b. Crown Land Plans (Application Document 2.3)

- c. Special Category Land Plans (Application Document 2.4)
- d. General Arrangement Plans (Application Document 2.5)
- e. Works Plans (Application Document 2.6)
- f. Rights of Way and Access Plans (Application Document 2.7)
- g. Streets Subject to Temporary Restrictions of Use Plans (Application Document 2.8)
- h. Traffic Regulation Measures Plans (Application Document 2.10)
- i. Temporary Works Plans (Application Document 2.17)
- j. Hedgerow and Tree Preservations Order Plans (Application Document 2.18)
- 1.1.9 The information contained on each sheet of the Drainage Plans corresponds with the geographical information shown on each sheet of the aforementioned sets. This is intended to help interested parties understand the inter-relationship between the different sets of plans and to help illustrate the design of the Project more clearly.
- 1.1.10 This approach means that there are some sheets that cover an area of the Project where there is no drainage design. On these sheets, the Applicant has introduced a label stating: 'No design information on this sheet'.
- 1.1.11 The Drainage Plans show the Order Limits and the relevant local authority boundaries. In this plan set, 'the Order Limits' mean the limits of lands to be acquired or used, permanently or temporarily, within which the authorised development may be carried out, as set out in Article 2 of the draft Order (Application Document 3.1).
- 1.1.12 This plan set uses a different legend on all sheets: it shows a consistent base key (presented across the plan set) followed by a sheet-specific key for catchment areas and outfalls. This means that there may be some items shown in the key that are not on a given sheet.
- 1.1.13 As this document has been informed by and is part of the application documentation it should be read alongside the other application documents. In particular, the plans should be read alongside Schedule 1 of the draft Order (Application Document 3.1).
- 1.1.14 To ensure that the file size of this document does not exceed the 50MB limit prescribed by the Planning Inspectorate, the set has been split into three volumes: volume A contains the key plan, volume B the initial sheets 1 to 20 and volume C contains the following sheets, 21 to 49.

<u>These plans have been updated for Deadline 4 to include the proposed</u> <u>changes MRC01, MRC02 and MRC03 following the procedural decision made</u> <u>by the Examining Authority [PD-031].</u>

Planning Inspectorate Scheme Ref: TR010032 Application Document Ref: TR010032/APP/2.16 DATE: September 2023 DEADLINE 4

## Schedule of Plans included in this application 2 document

Document Title	Document Number	Revision	
DRAINAGE PLANS REGULATION 5(2)(o) KEY PLAN	TR010032/APP/2.16	<u>P03</u>	Deleted: P01
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 1	TR010032/APP/2.16	<u>P02</u>	Deleted: P01
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 2	TR010032/APP/2.16	<u>P02</u>	Deleted: P01
DRAINAGE PLANS REGULATION 5(2)(0) SHEET 3	TR010032/APP/2.16	P01	
DRAINAGE PLANS REGULATION 5(2)(0) SHEET 4	TR010032/APP/2.16	P01	
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 5	TR010032/APP/2.16	P01	
DRAINAGE PLANS REGULATION 5(2)(0) SHEET 6	TR010032/APP/2.16	P01	
DRAINAGE PLANS REGULATION 5(2)(0) SHEET 7	TR010032/APP/2.16	P01	
DRAINAGE PLANS REGULATION 5(2)(0) SHEET 8	TR010032/APP/2.16	P01	
DRAINAGE PLANS REGULATION 5(2)(0) SHEET 9	TR010032/APP/2.16	P01	
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 10	TR010032/APP/2.16	P01	
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 11	TR010032/APP/2.16	P01	

Planning Inspectorate Scheme Ref: TR010032 Application Document Ref: TR010032/APP/2.16 DATE: September 2023 DEADLINE 4

3

Document Title	Document Number	Revision
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 12	TR010032/APP/2.16	P01
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 13	TR010032/APP/2.16	P01
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 14	TR010032/APP/2.16	P01
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 15	TR010032/APP/2.16	P01
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 16	TR010032/APP/2.16	P01
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 17	TR010032/APP/2.16	P01
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 18	TR010032/APP/2.16	P01
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 19	TR010032/APP/2.16	P01
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 20	TR010032/APP/2.16	P01
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 21	TR010032/APP/2.16	P01
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 22	TR010032/APP/2.16	<u>P02,</u>
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 23	TR010032/APP/2.16	<u>P03</u> ,
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 24	TR010032/APP/2.16	<u>P02,</u>

Planning Inspectorate Scheme Ref: TR010032 Application Document Ref: TR010032/APP/2.16 DATE: September 2023 DEADLINE 4

4

Document Title	Document Number	Revision
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 25	TR010032/APP/2.16	P01
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 26	TR010032/APP/2.16	P01
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 27	TR010032/APP/2.16	P01
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 28	TR010032/APP/2.16	P01
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 29	TR010032/APP/2.16	P01
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 30	TR010032/APP/2.16	P01
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 31	TR010032/APP/2.16	P01
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 32	TR010032/APP/2.16	P01
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 33	TR010032/APP/2.16	P01
DRAINAGE PLANS REGULATION 5(2)(0) SHEET 34	TR010032/APP/2.16	P01
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 35	TR010032/APP/2.16	P01
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 36	TR010032/APP/2.16	P01
DRAINAGE PLANS REGULATION 5(2)(0) SHEET 37	TR010032/APP/2.16	P01

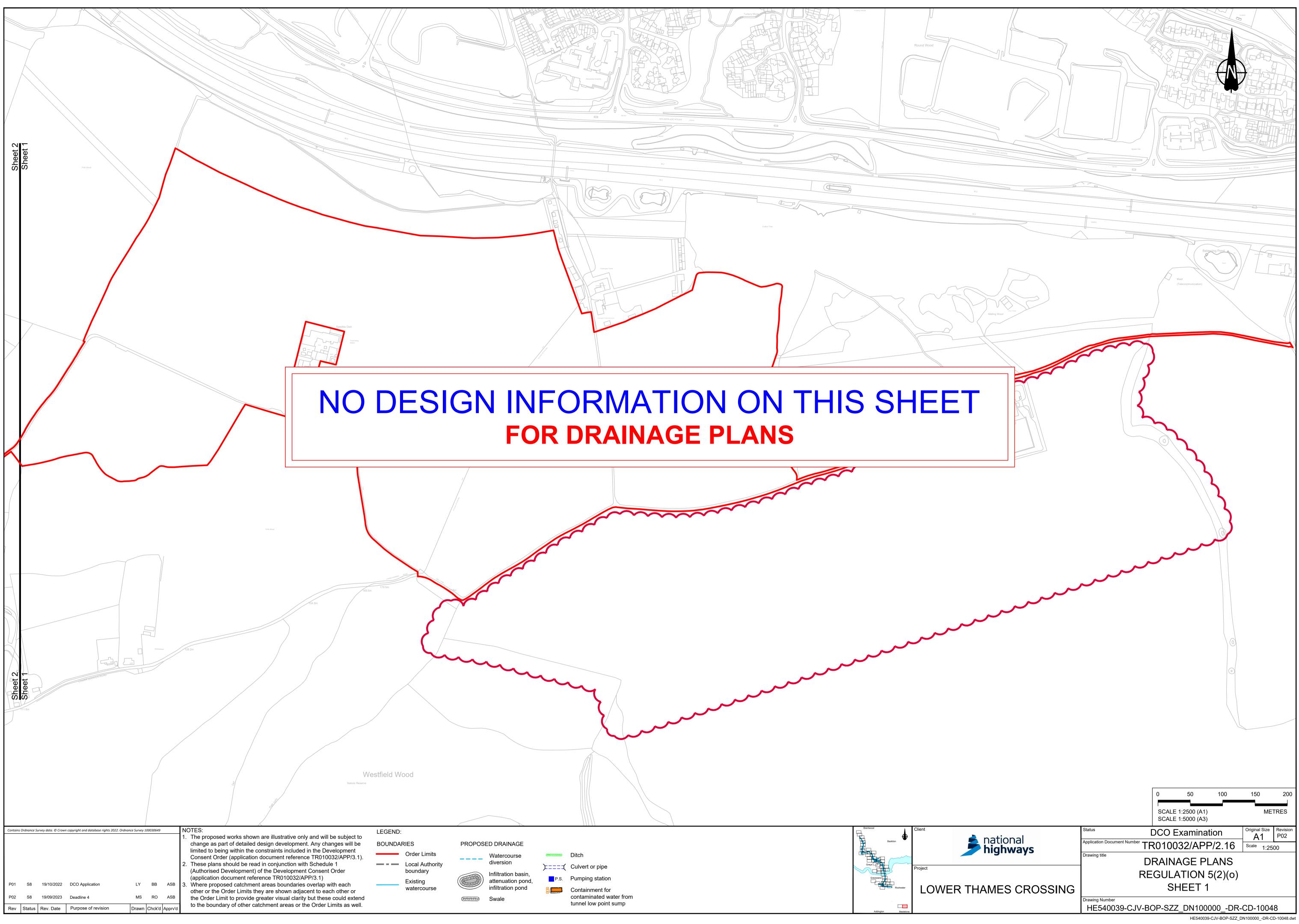
Planning Inspectorate Scheme Ref: TR010032 Application Document Ref: TR010032/APP/2.16 DATE: September 2023 DEADLINE 4

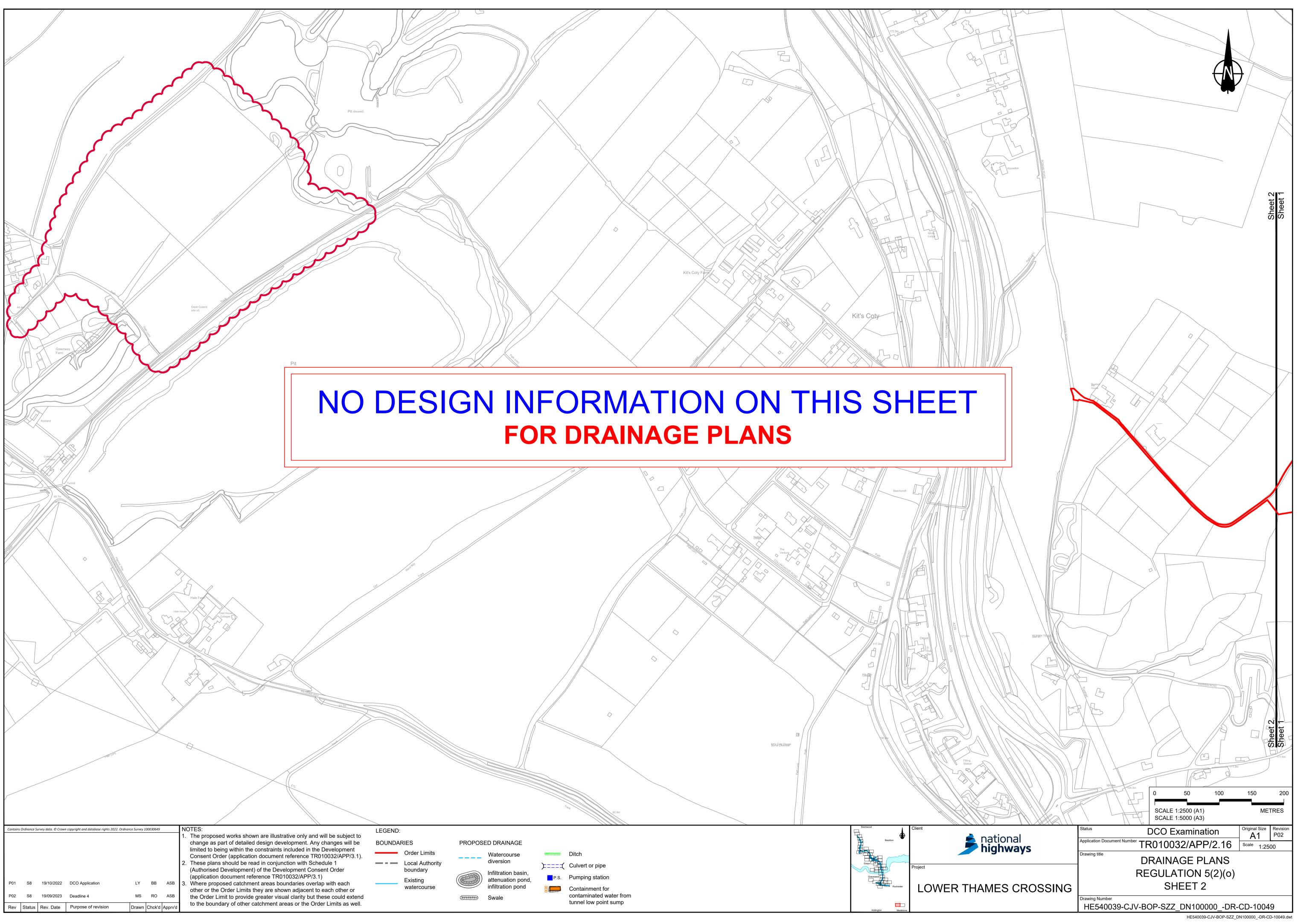
5

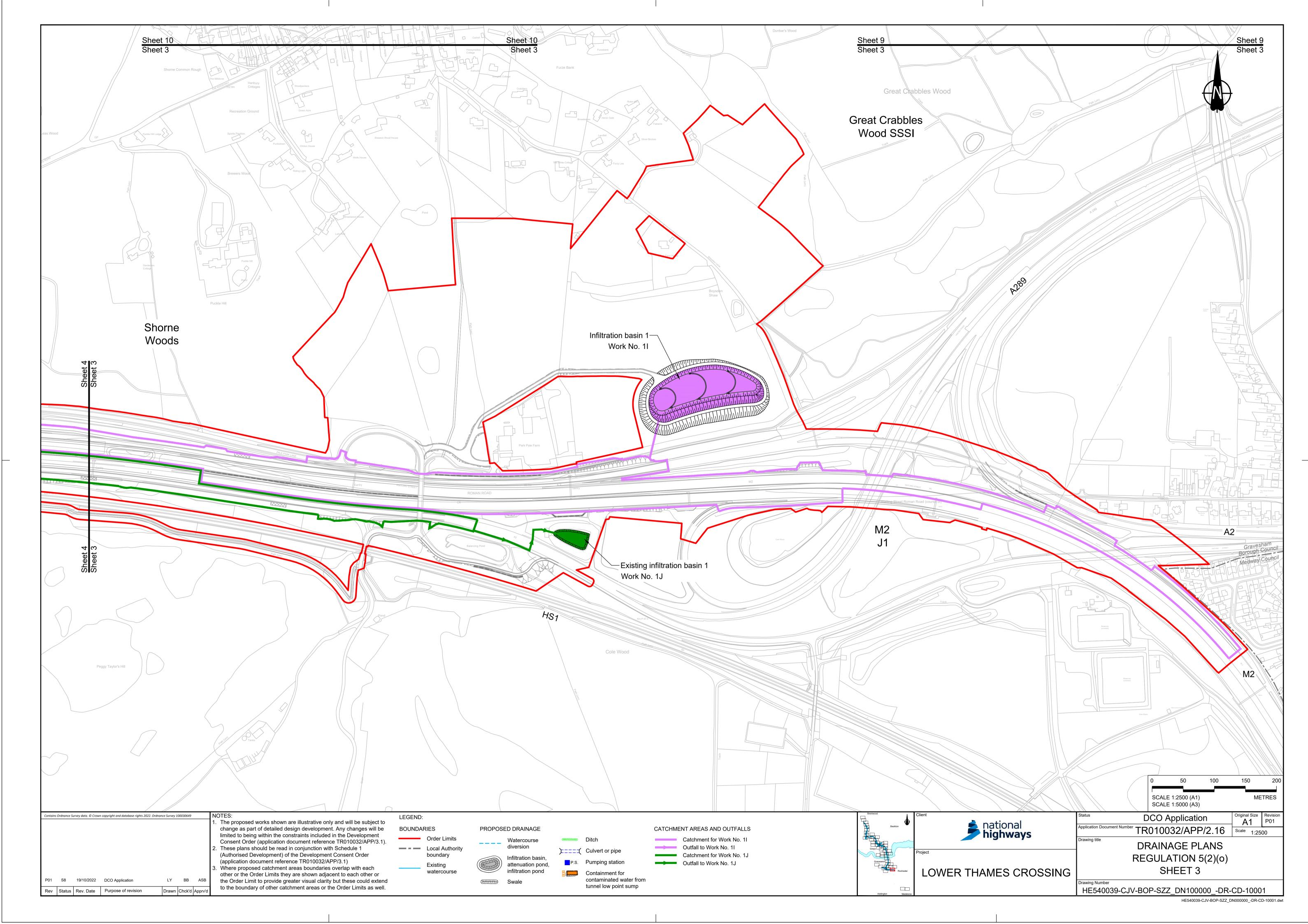
Document Title	Document Number	Revision
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 38	TR010032/APP/2.16	P01
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 39	TR010032/APP/2.16	P01
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 40	TR010032/APP/2.16	P01
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 41	TR010032/APP/2.16	P01
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 42	TR010032/APP/2.16	P01
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 43	TR010032/APP/2.16	P01
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 44	TR010032/APP/2.16	P01
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 45	TR010032/APP/2.16	P01
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 46	TR010032/APP/2.16	P01
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 47	TR010032/APP/2.16	P01
DRAINAGE PLANS REGULATION 5(2)(o) SHEET 48	TR010032/APP/2.16	P01
DRAINAGE PLANS REGULAION 5(2)(o) SHEET 49	TR010032/APP/2.16	P01

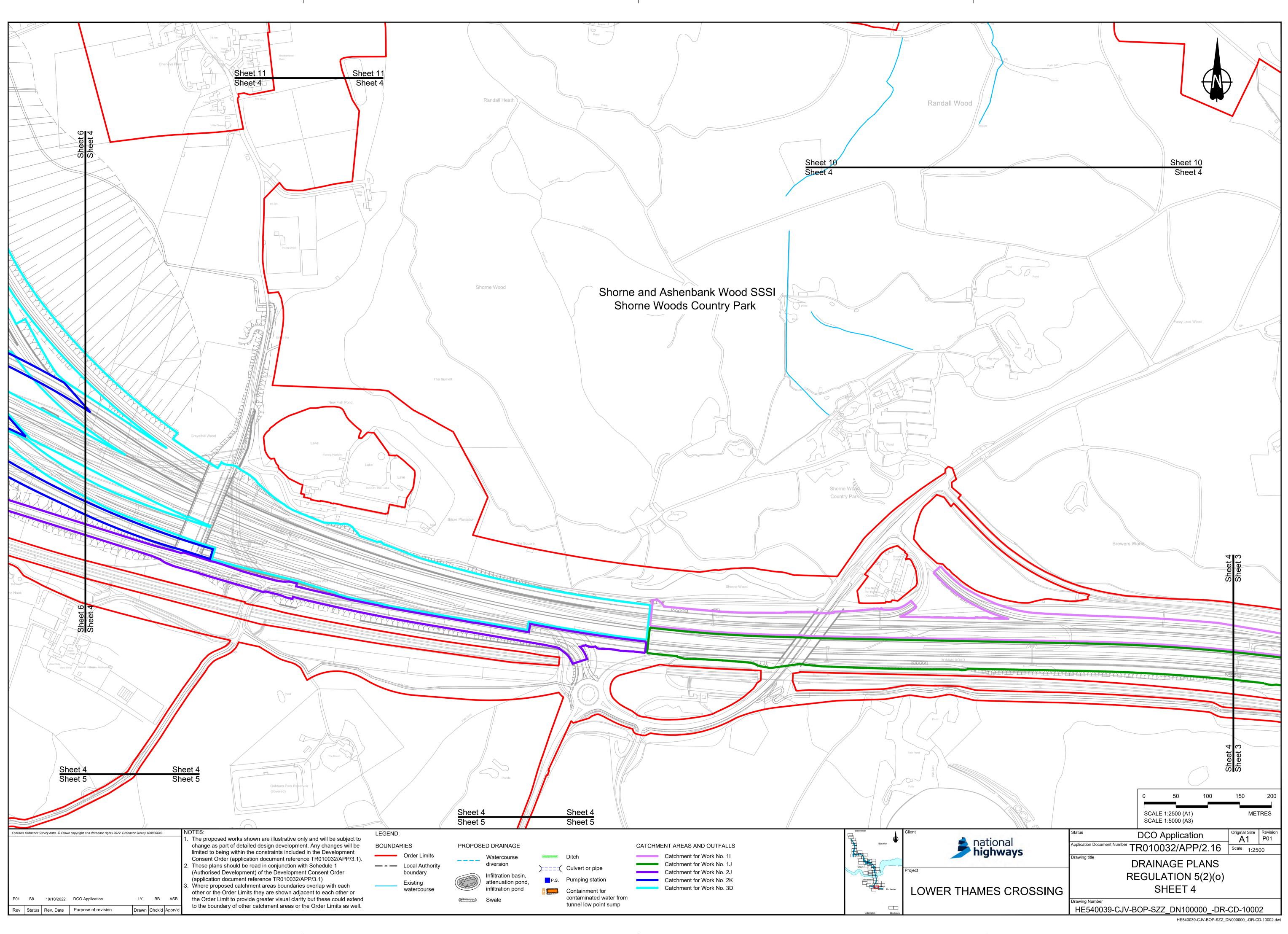
Planning Inspectorate Scheme Ref: TR010032 Application Document Ref: TR010032/APP/2.16 DATE: September 2023 DEADLINE 4

6

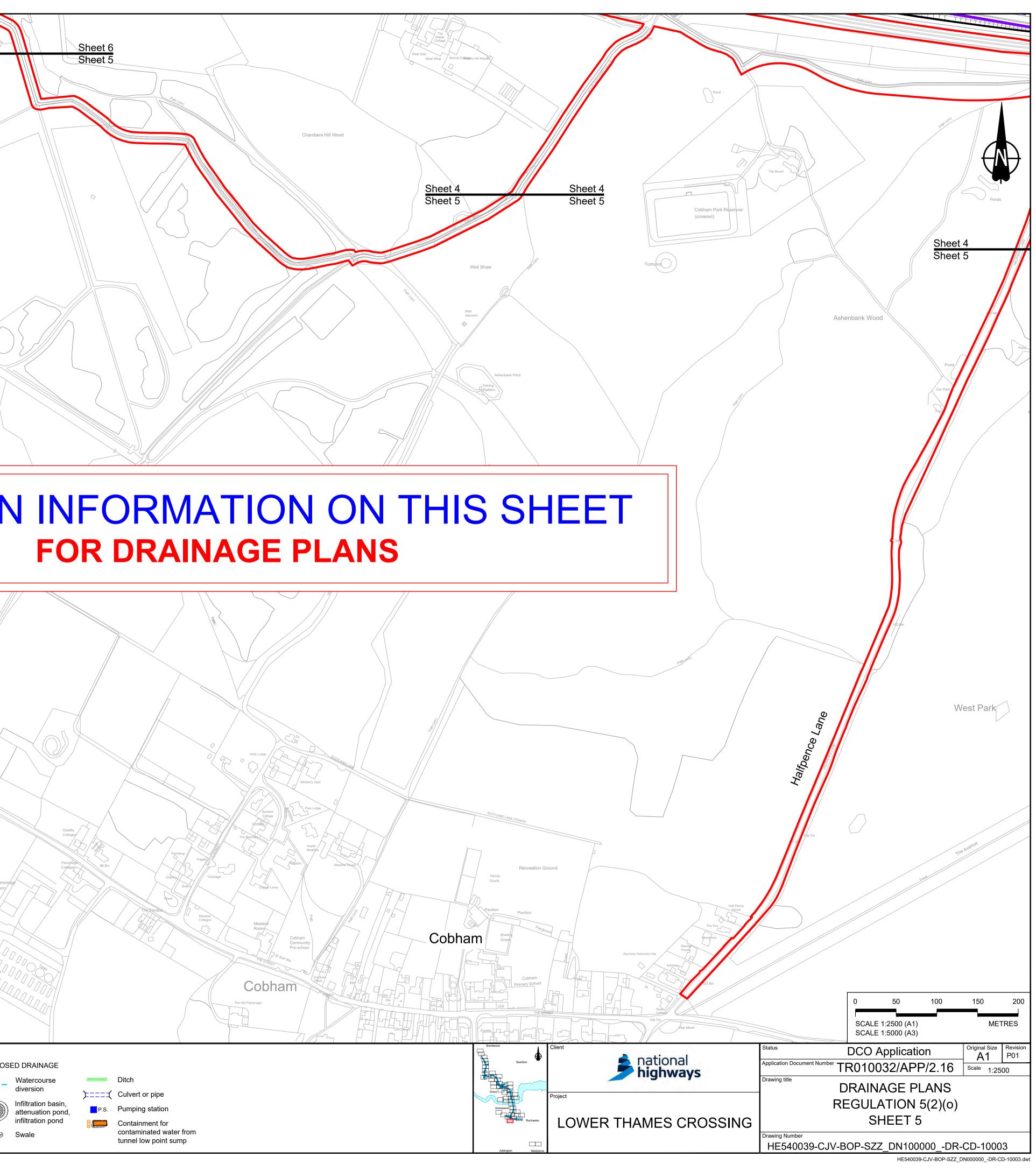


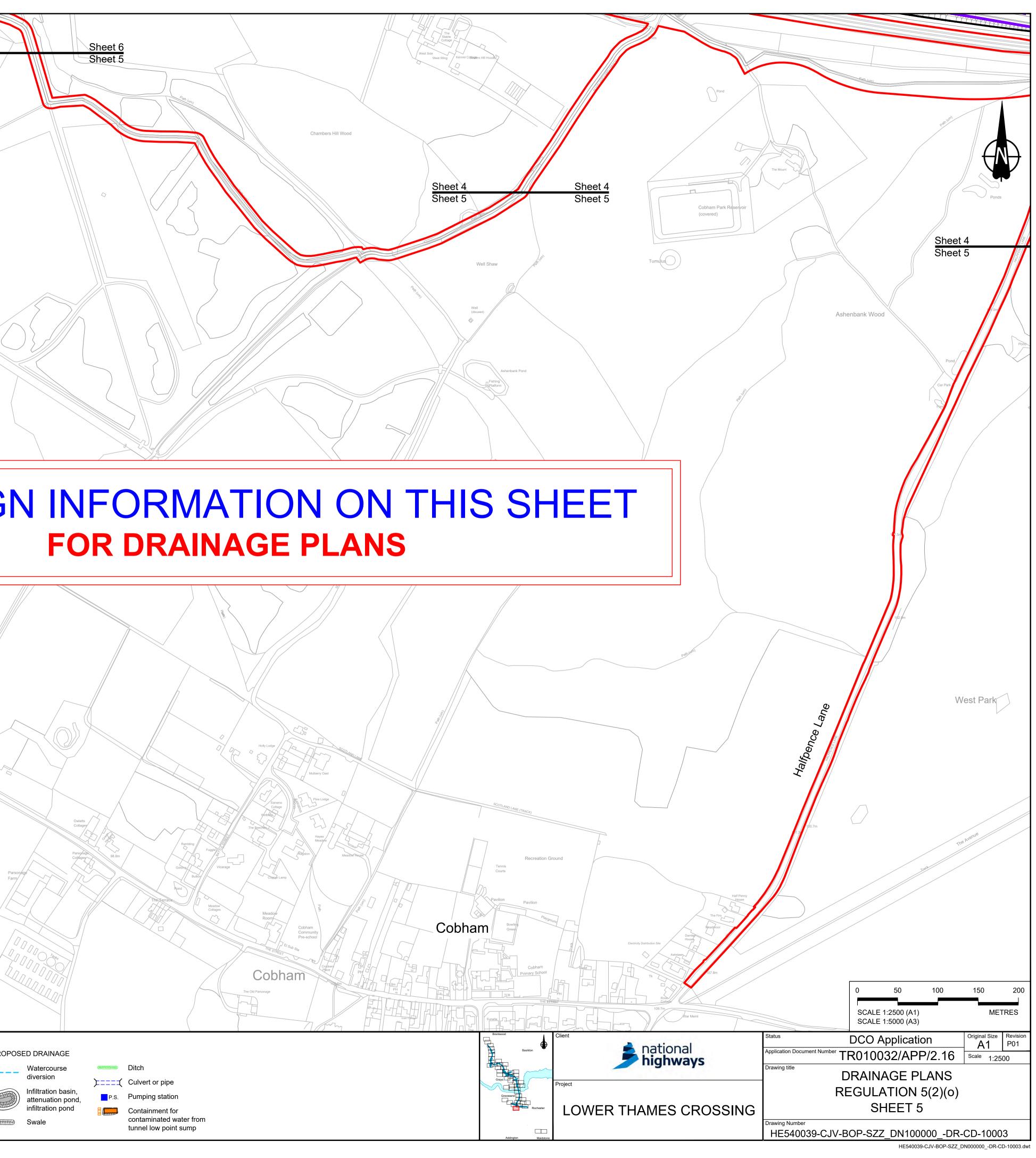


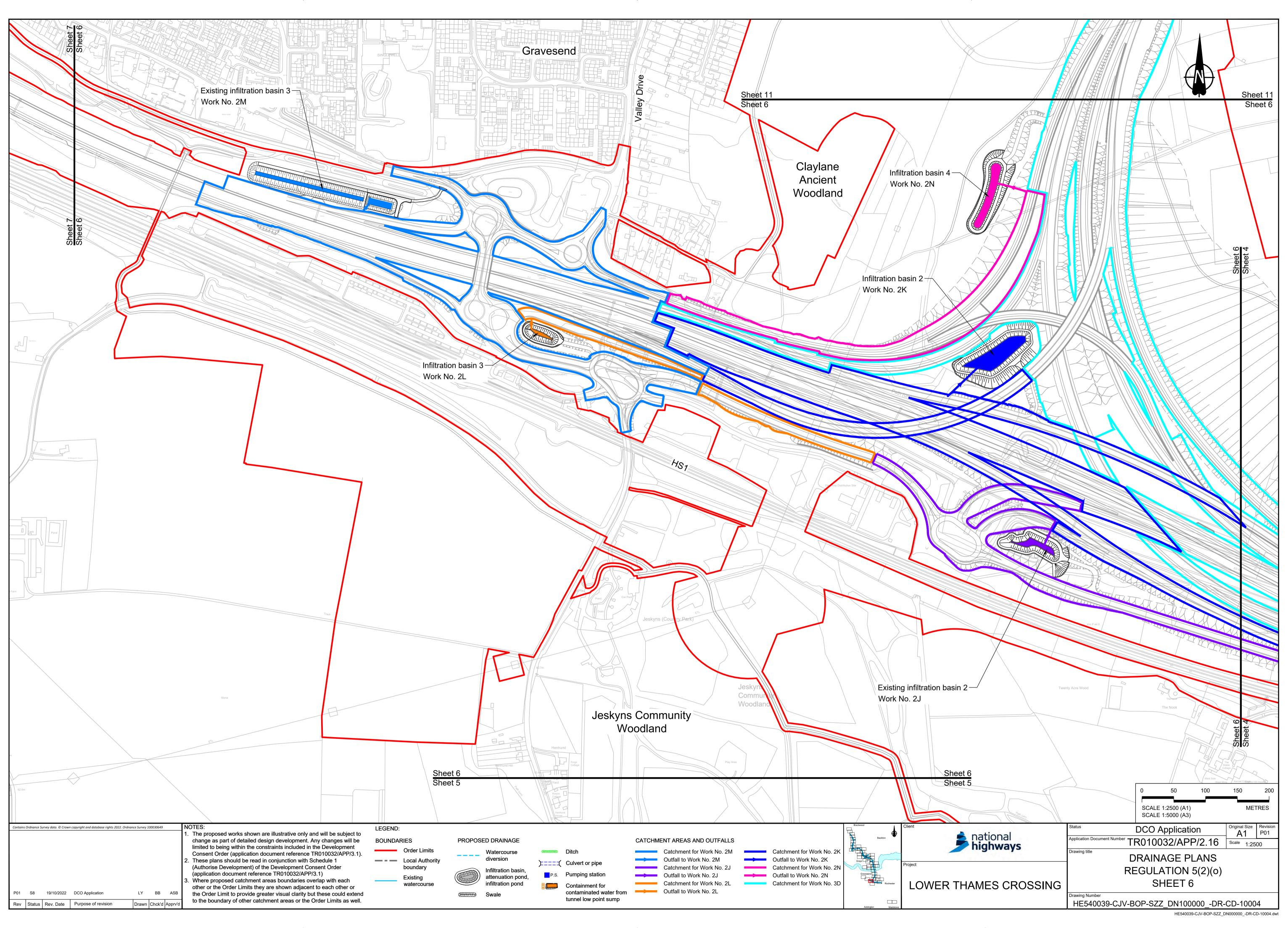


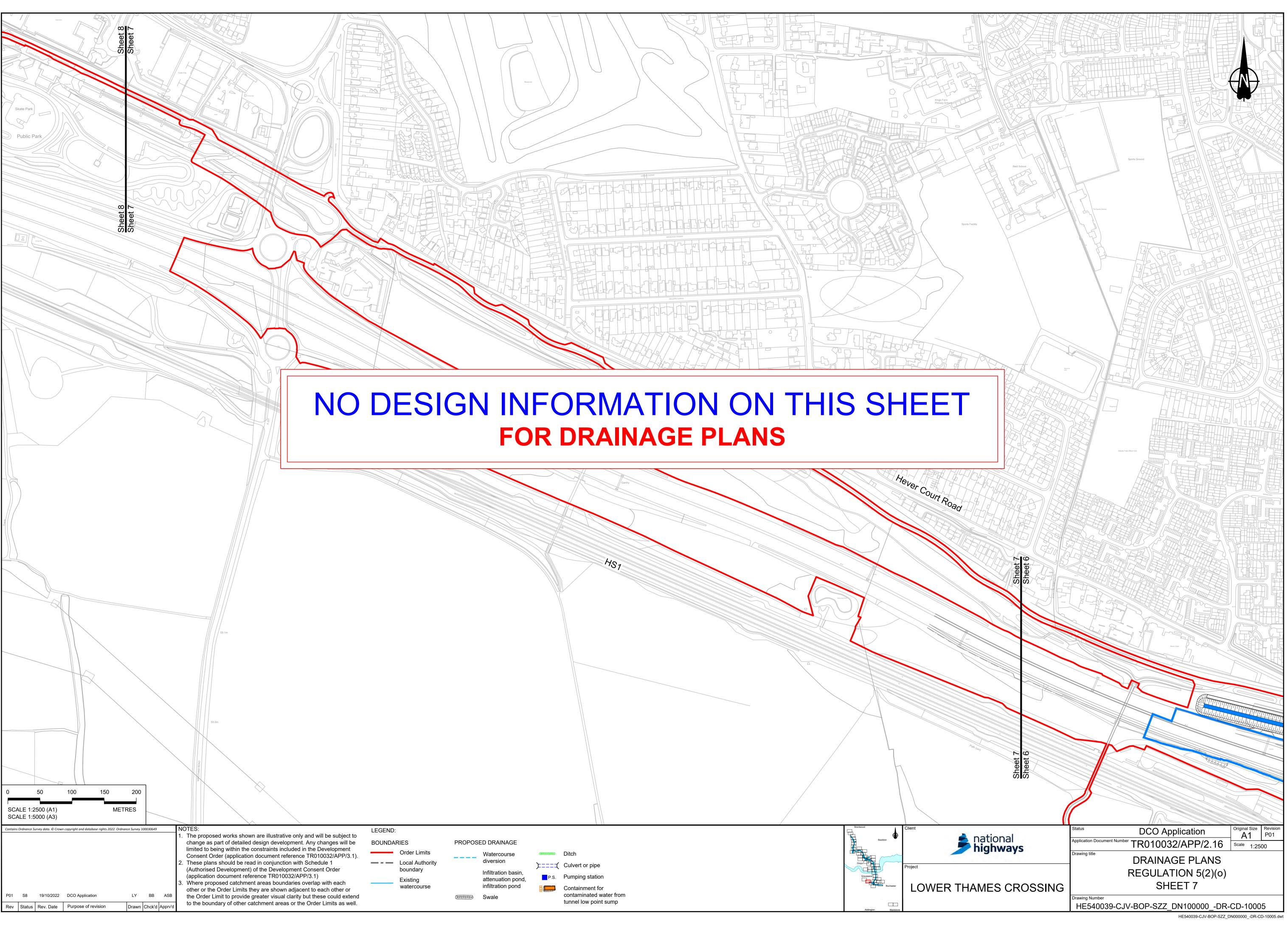


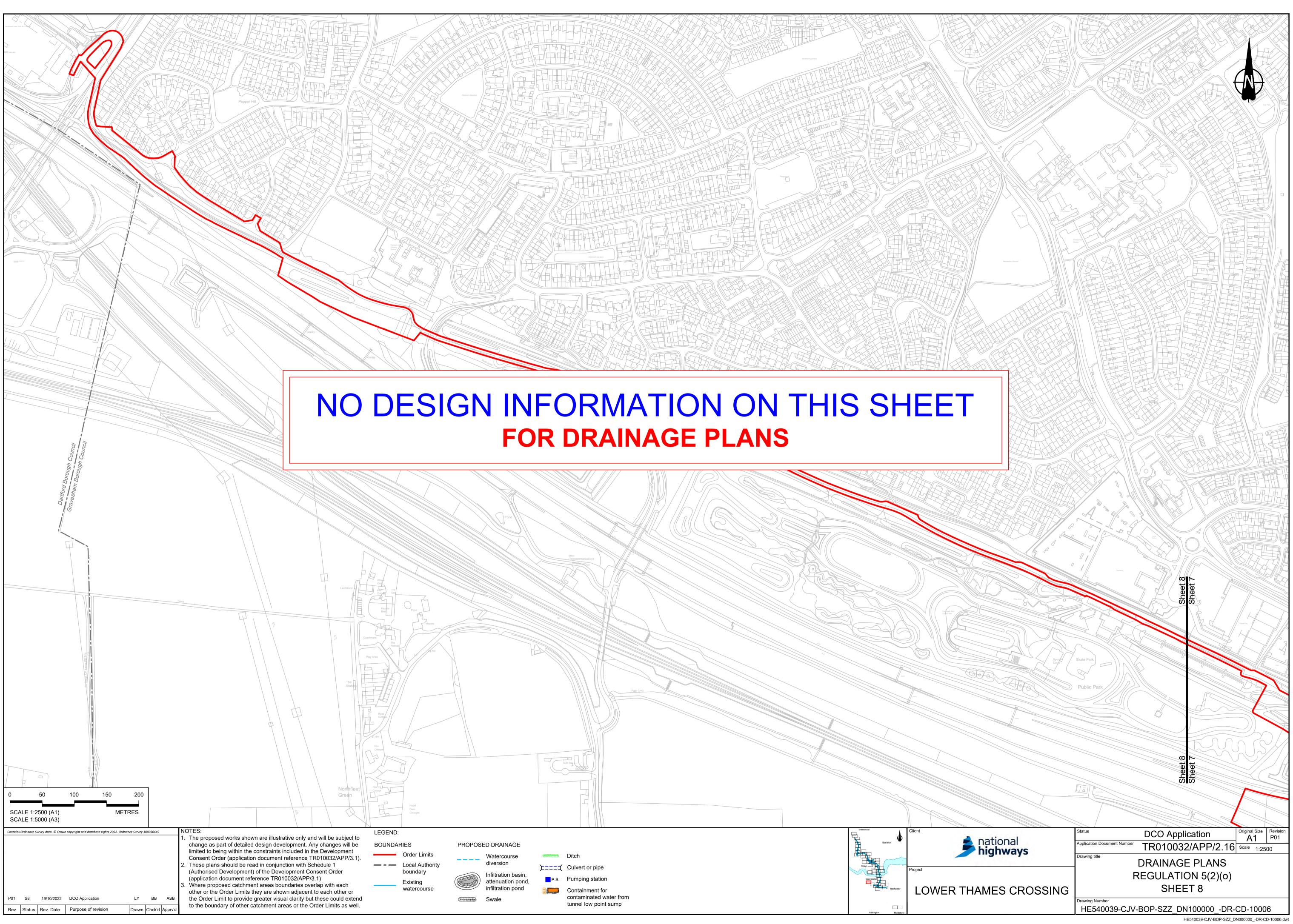
Sheet 6 Sheet 5	Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Territorial Terri	FB         Henhurst Lake	Piay Area	
Pond Longoroft Cottages 79.8	rtB m Jesis(ns Court Pond Pond Pond Silos Jesis(ns Cottages Jesis(ns Cottages Jesis(ns Cottages) Basis(ns Co	Pond	NO D	ESIG
Path (um)		86,0m	BZ 9m BZ 9m Rockey Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage Cottage	Pp Owletts
			Rookey Farm Barn	The Rookery
P01 S8 19/10/2022 DCO Applica Rev Status Rev. Date Purpose of	1. The char limit Con 2. The (Aut (app 3. Whe othe the (	: proposed works shown are illustrative nge as part of detailed design develop ed to being within the constraints inclu- sent Order (application document refer se plans should be read in conjunction horised Development) of the Develop lication document reference TR01003 ere proposed catchment areas bounda r or the Order Limits they are shown a Drder Limit to provide greater visual cla e boundary of other catchment areas of	ment. Any changes will be ded in the Development rence TR010032/APP/3.1). with Schedule 1 nent Consent Order 2/APP/3.1) ries overlap with each djacent to each other or arity but these could extend	

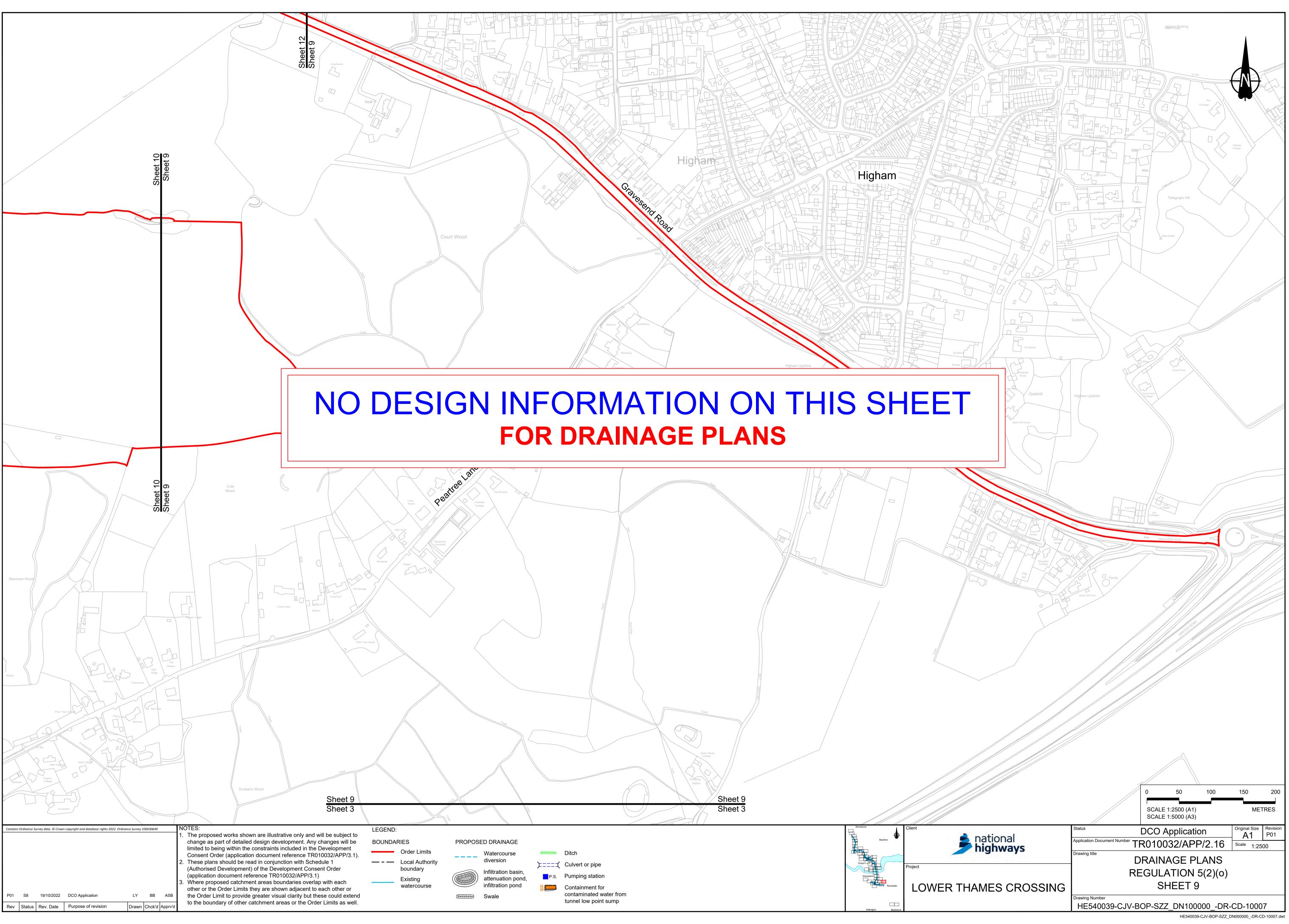


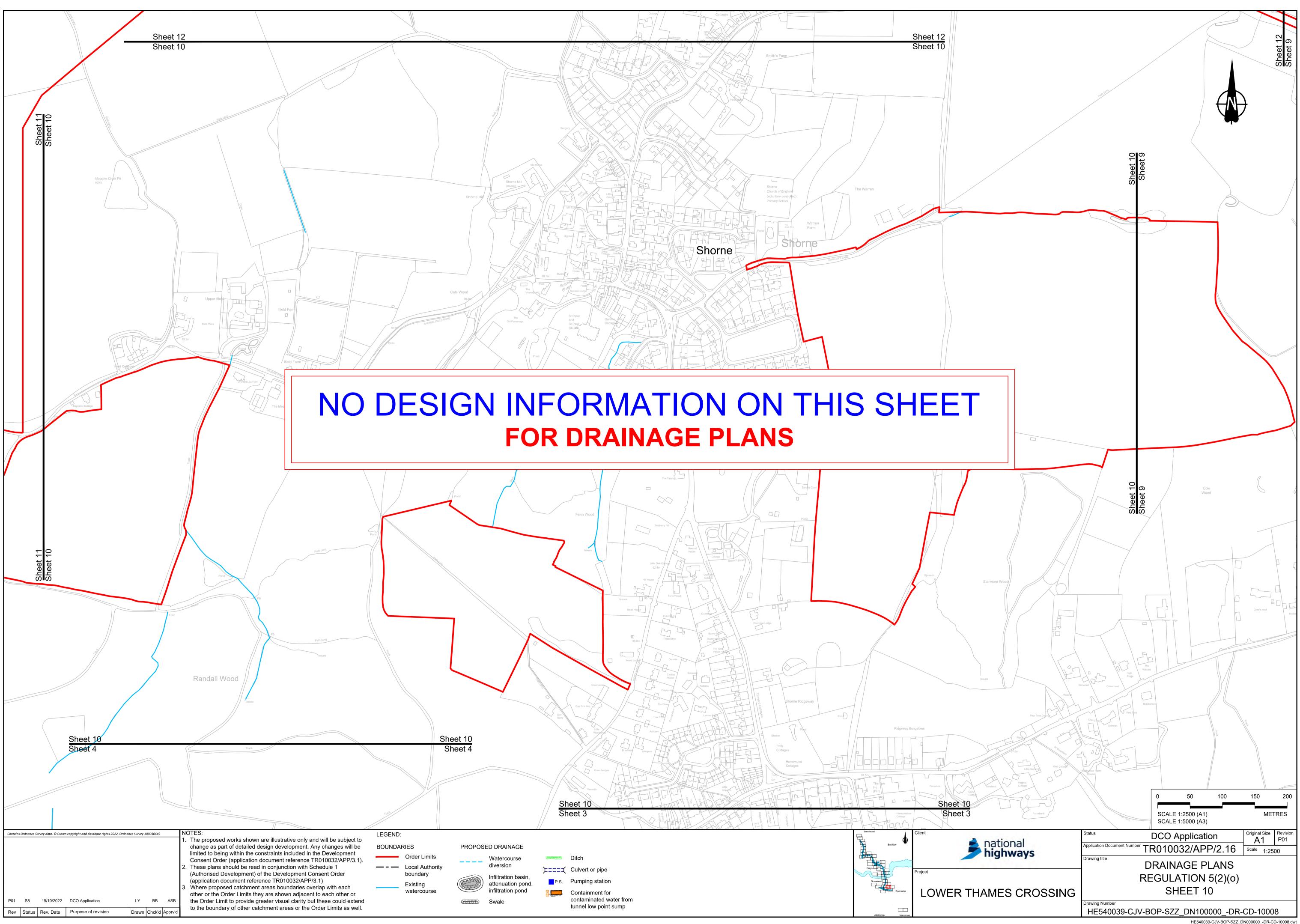


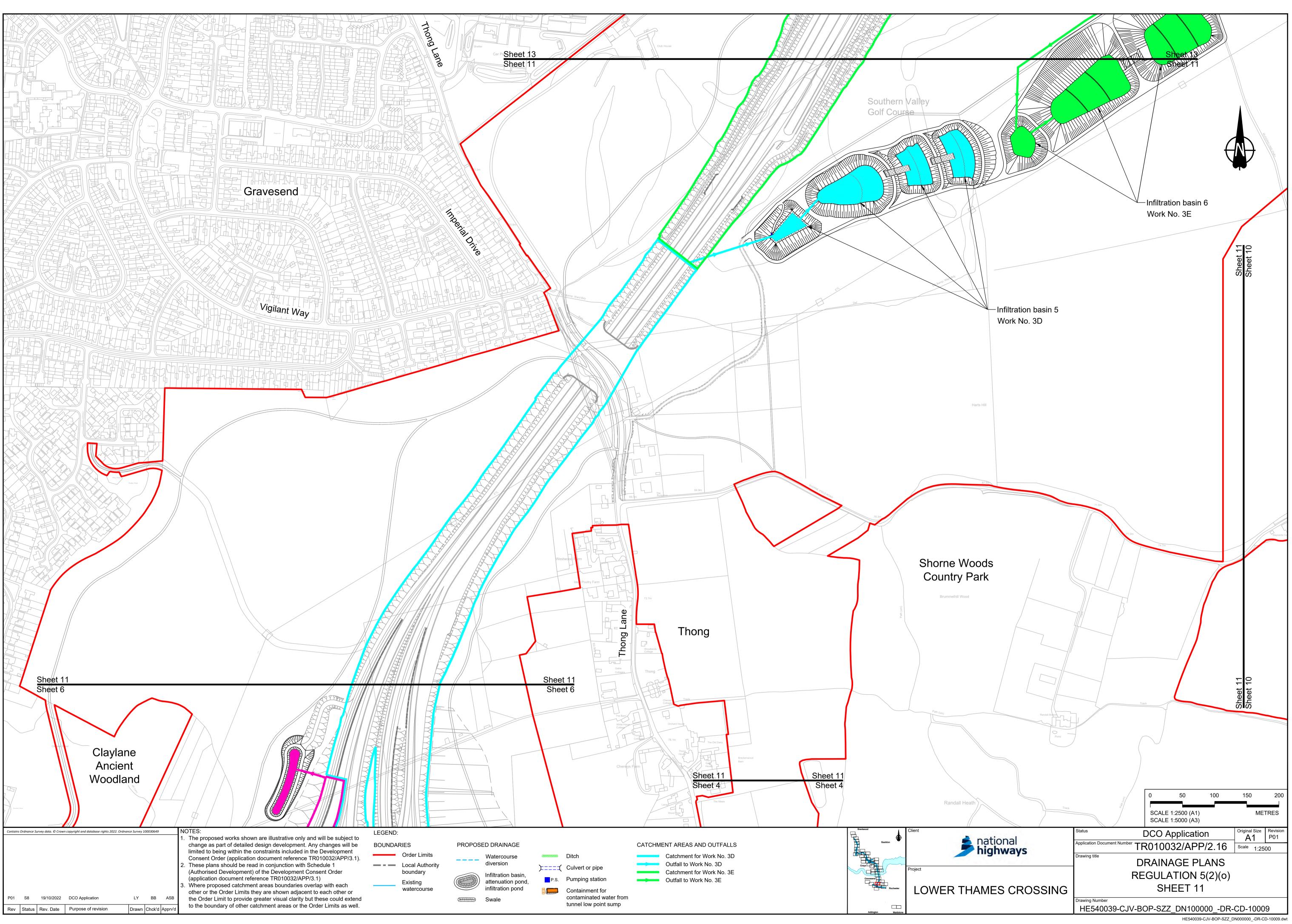


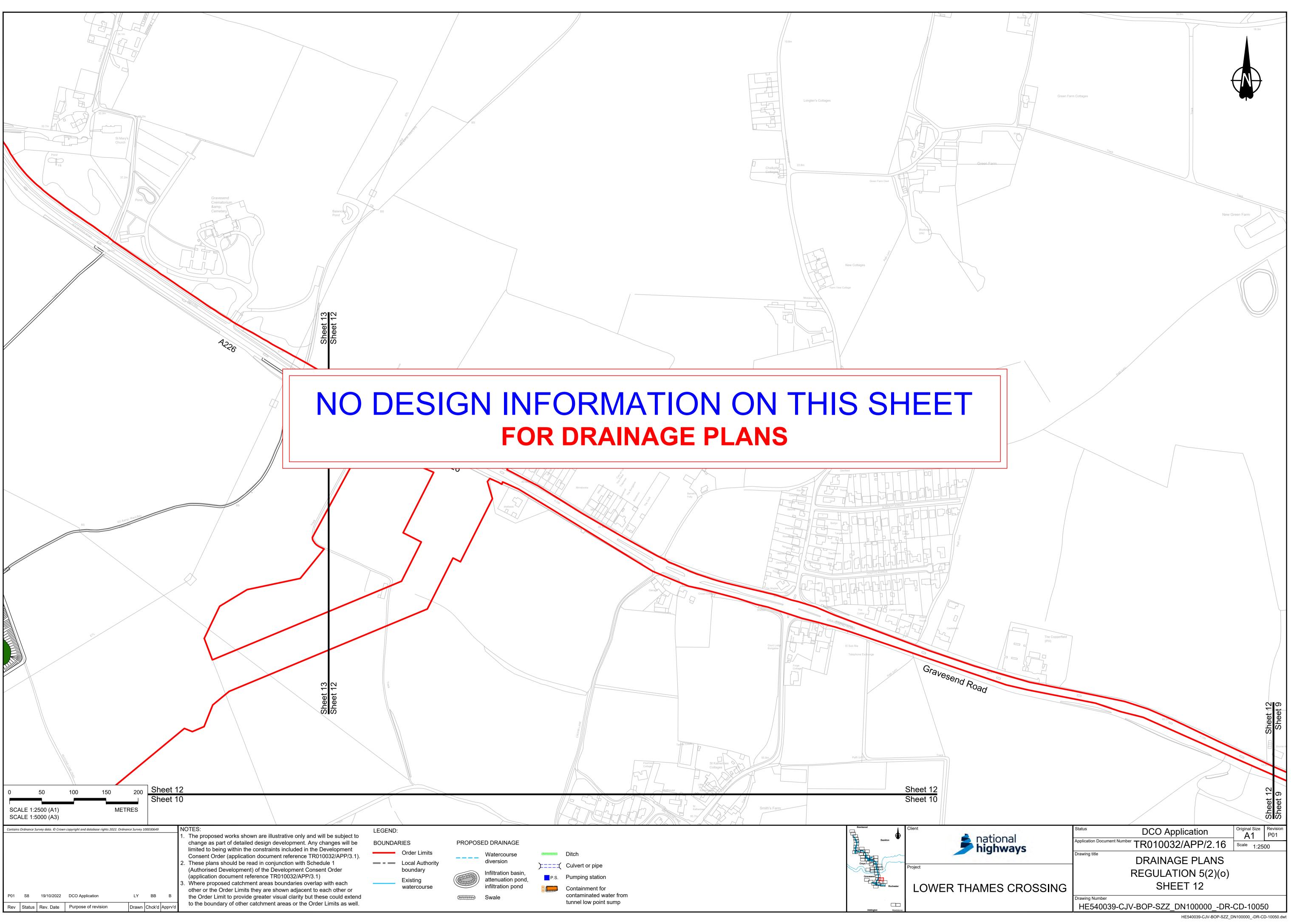


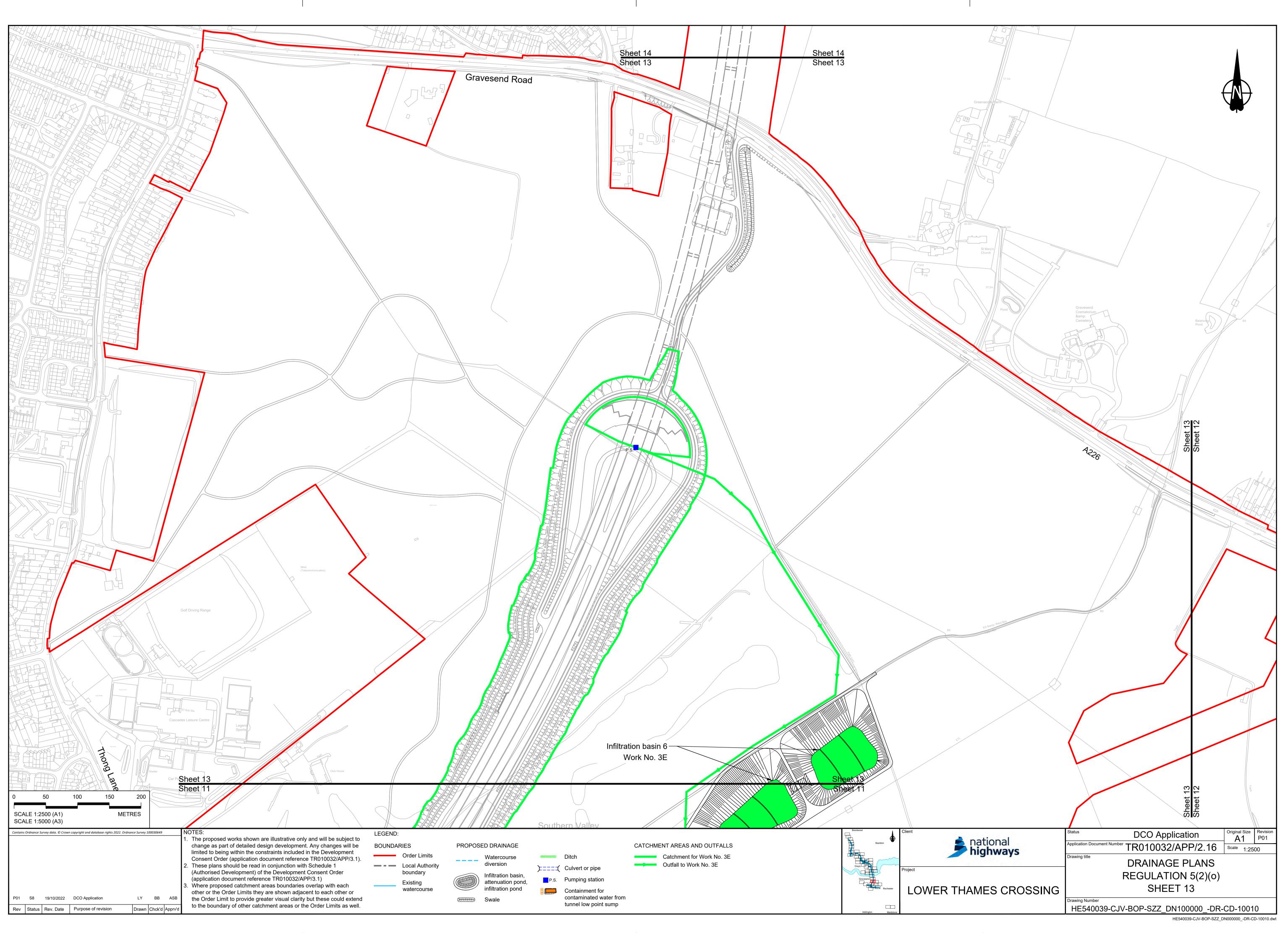


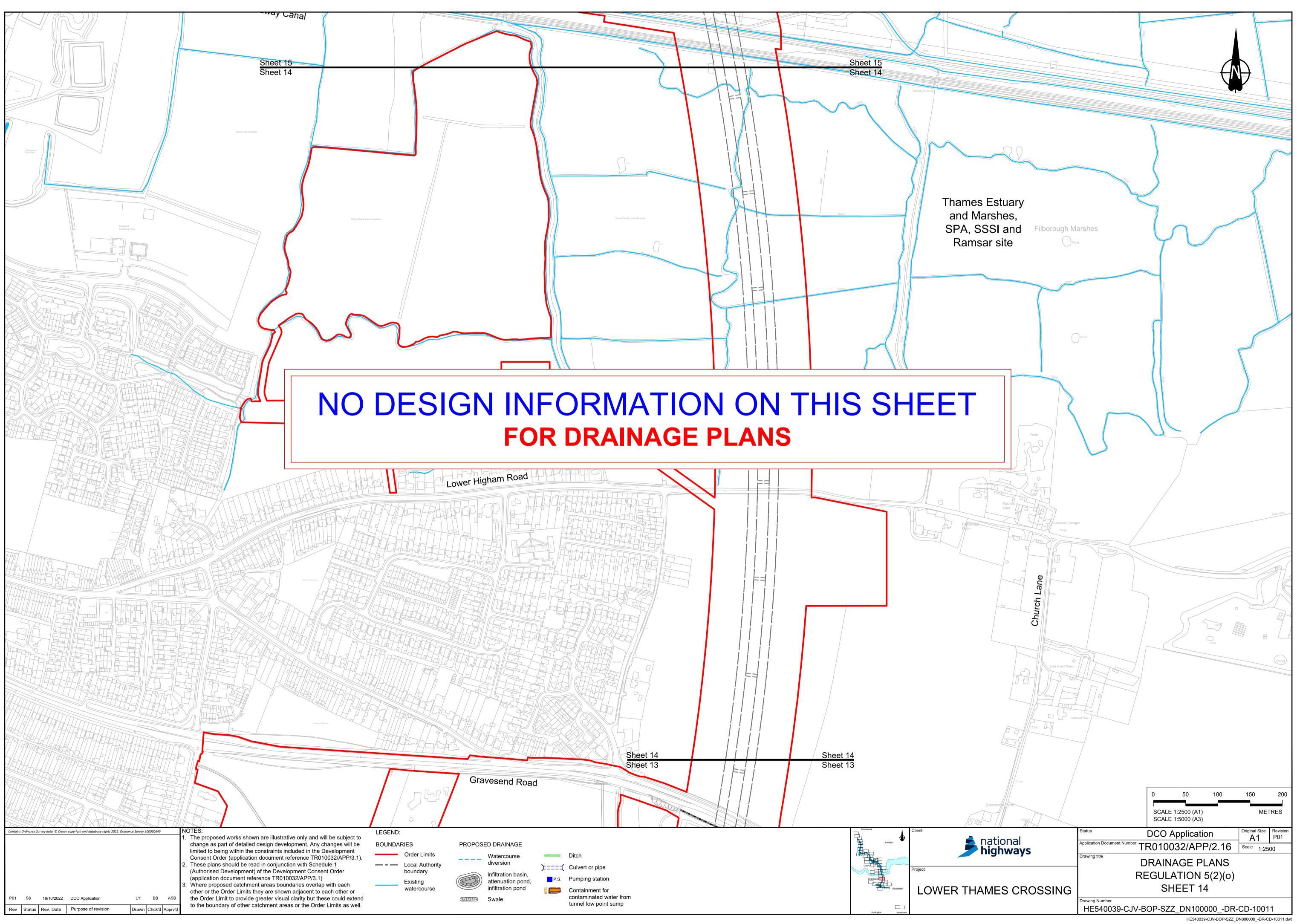


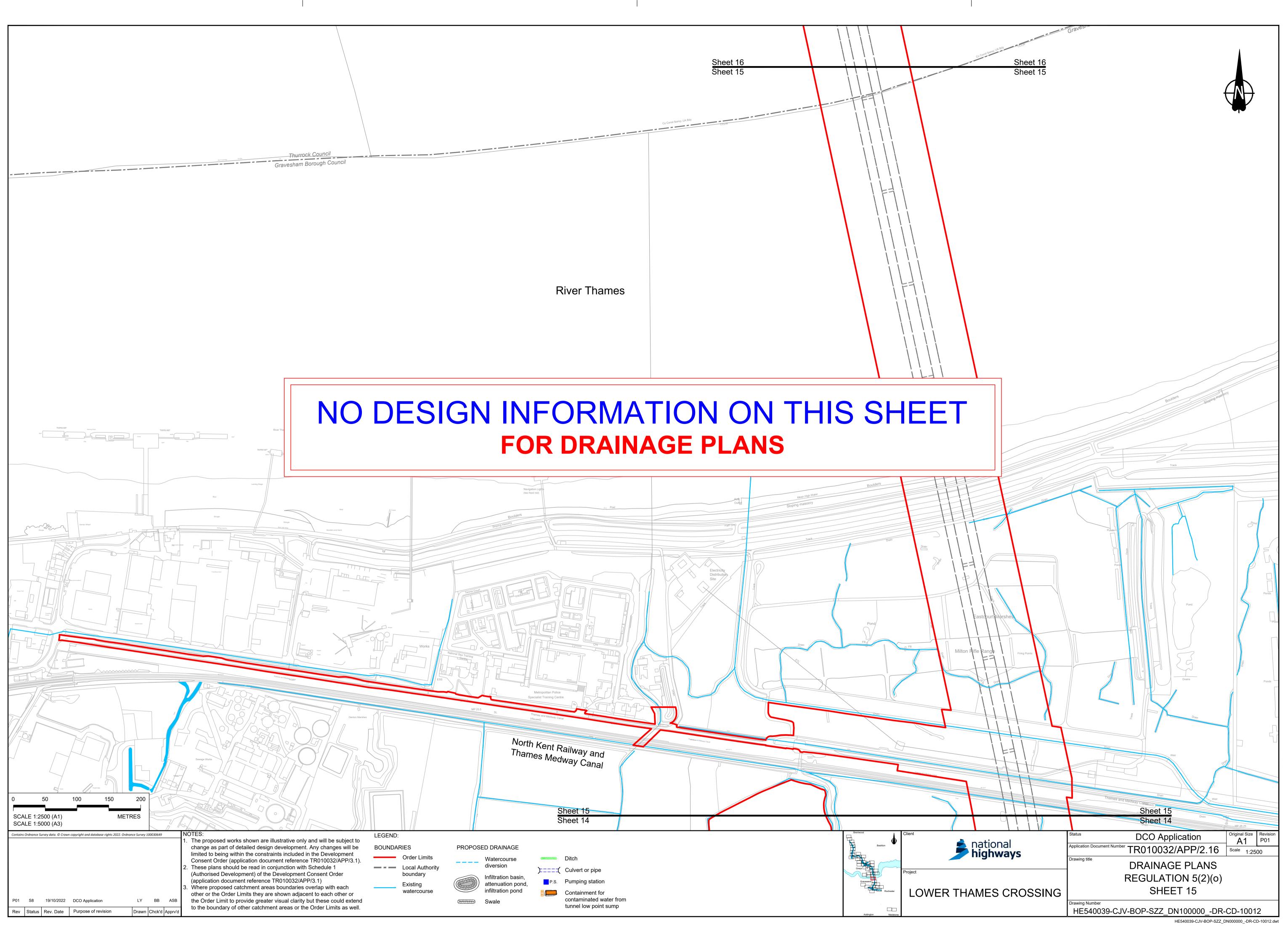


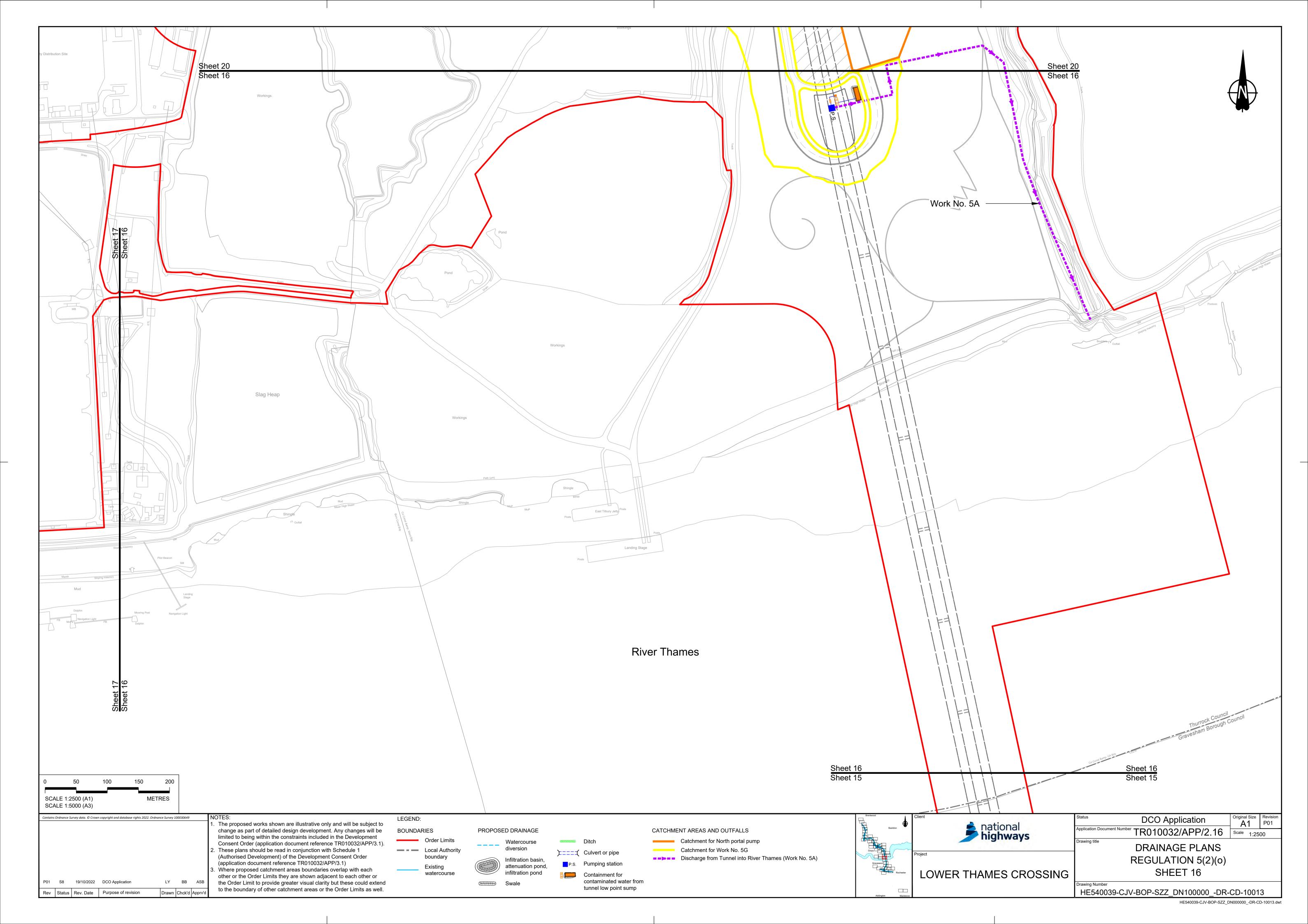


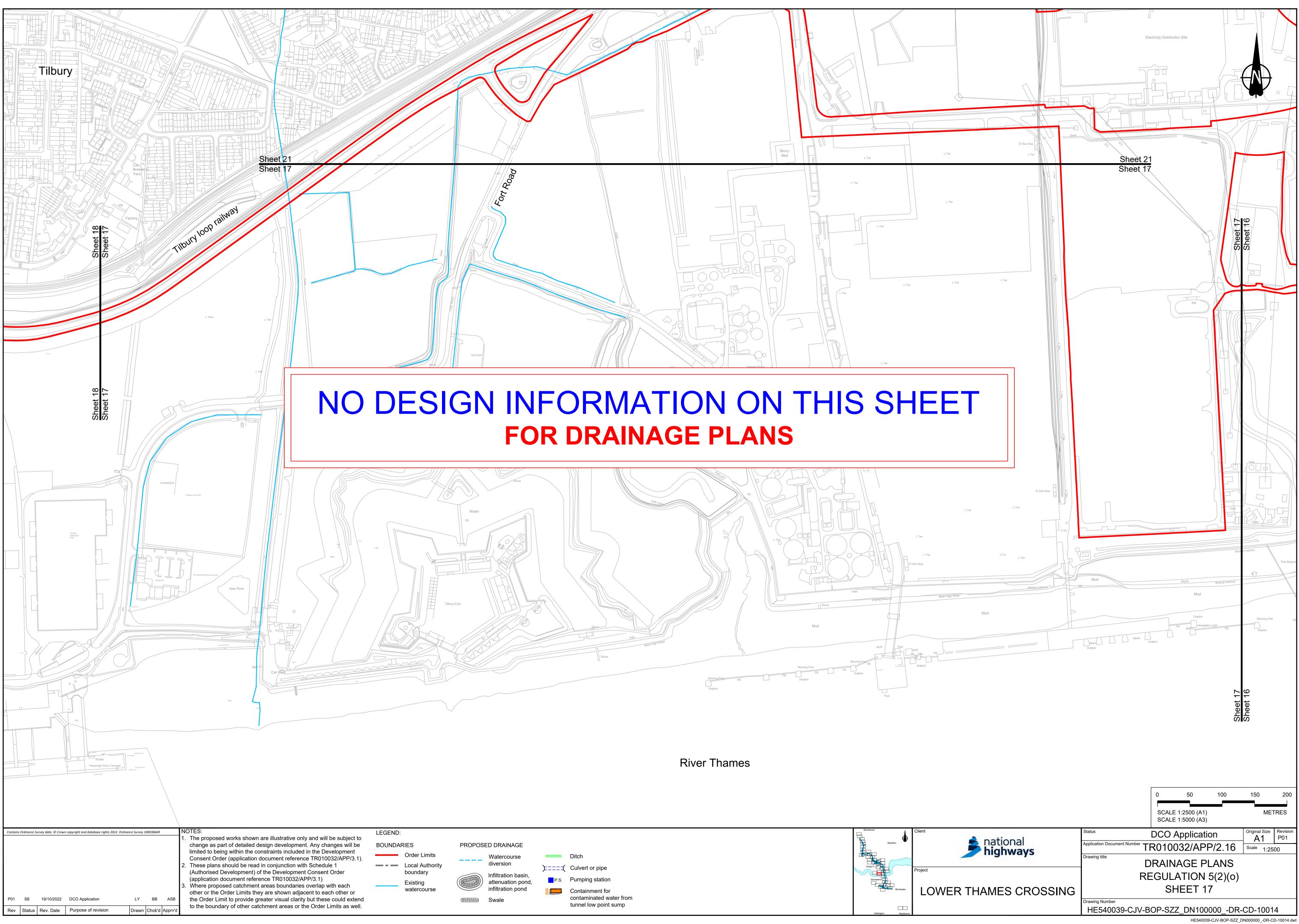




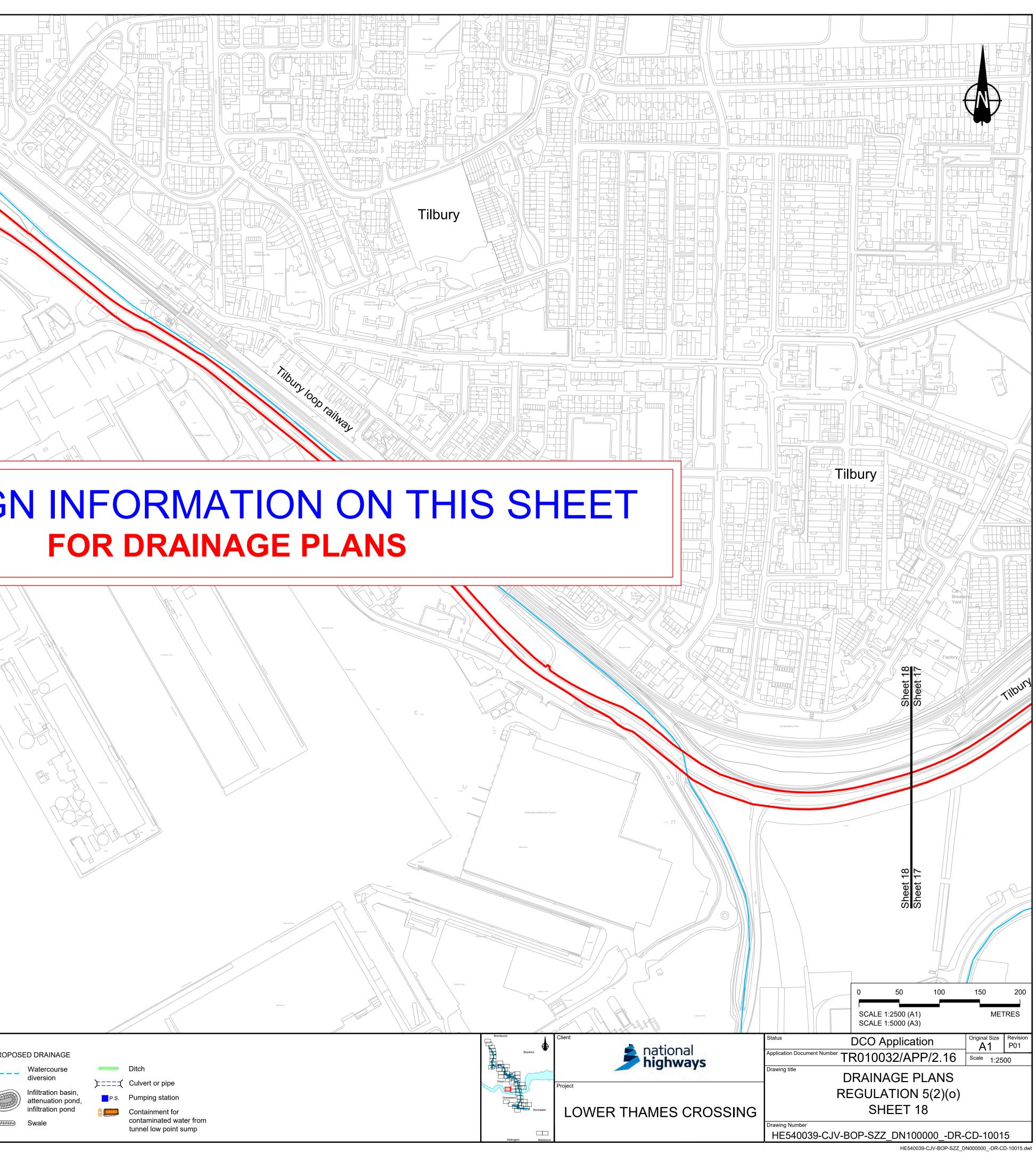


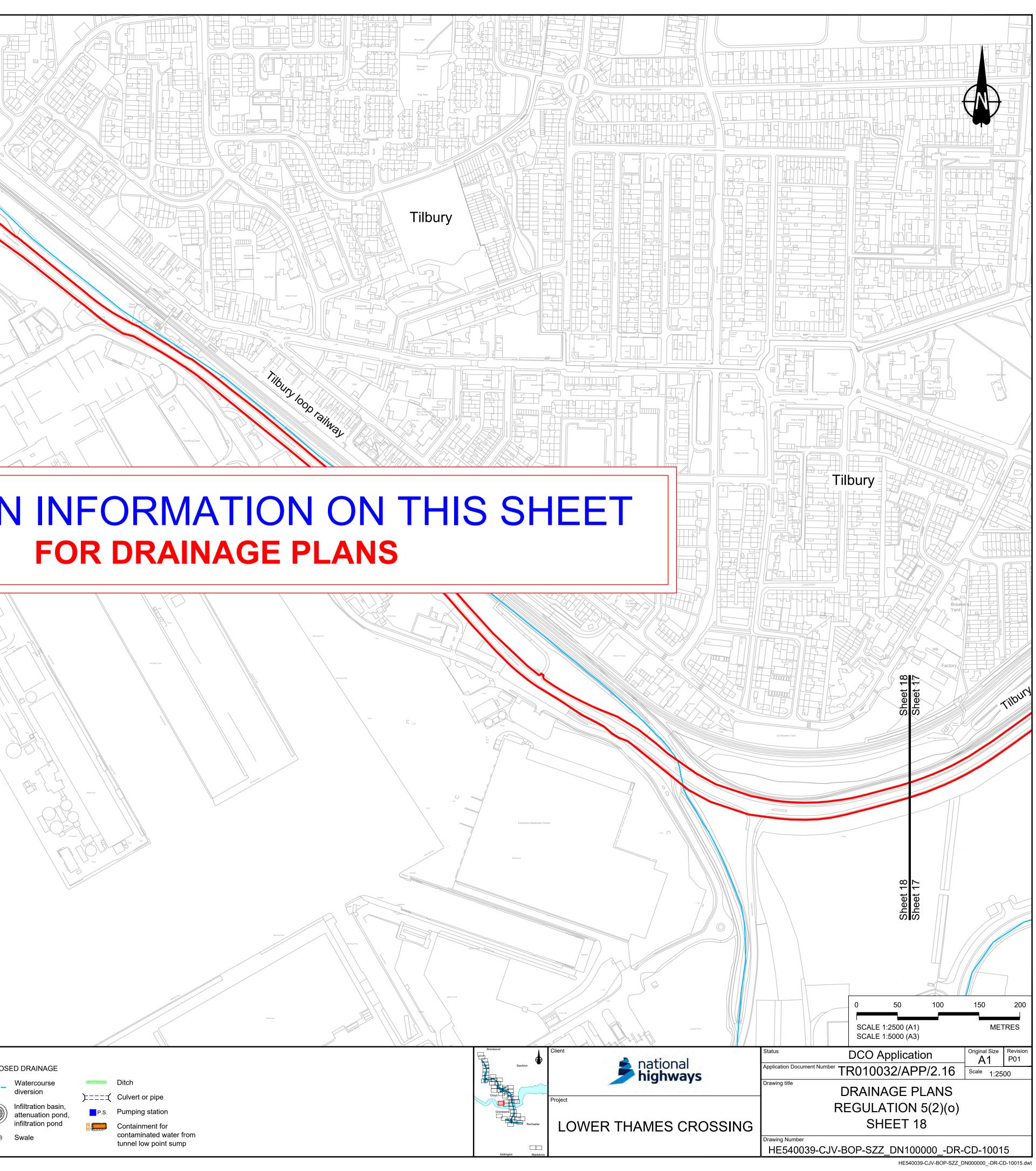


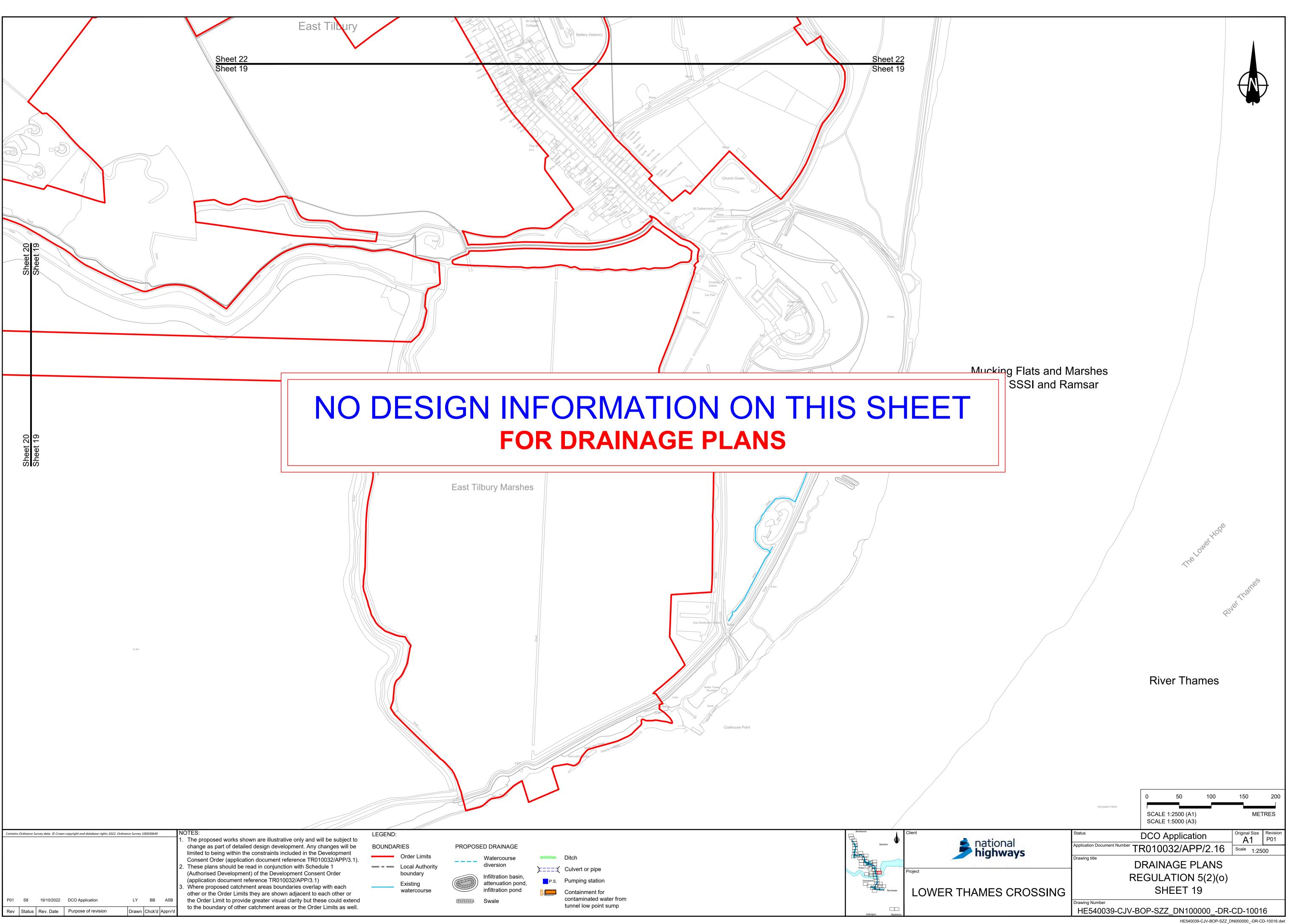


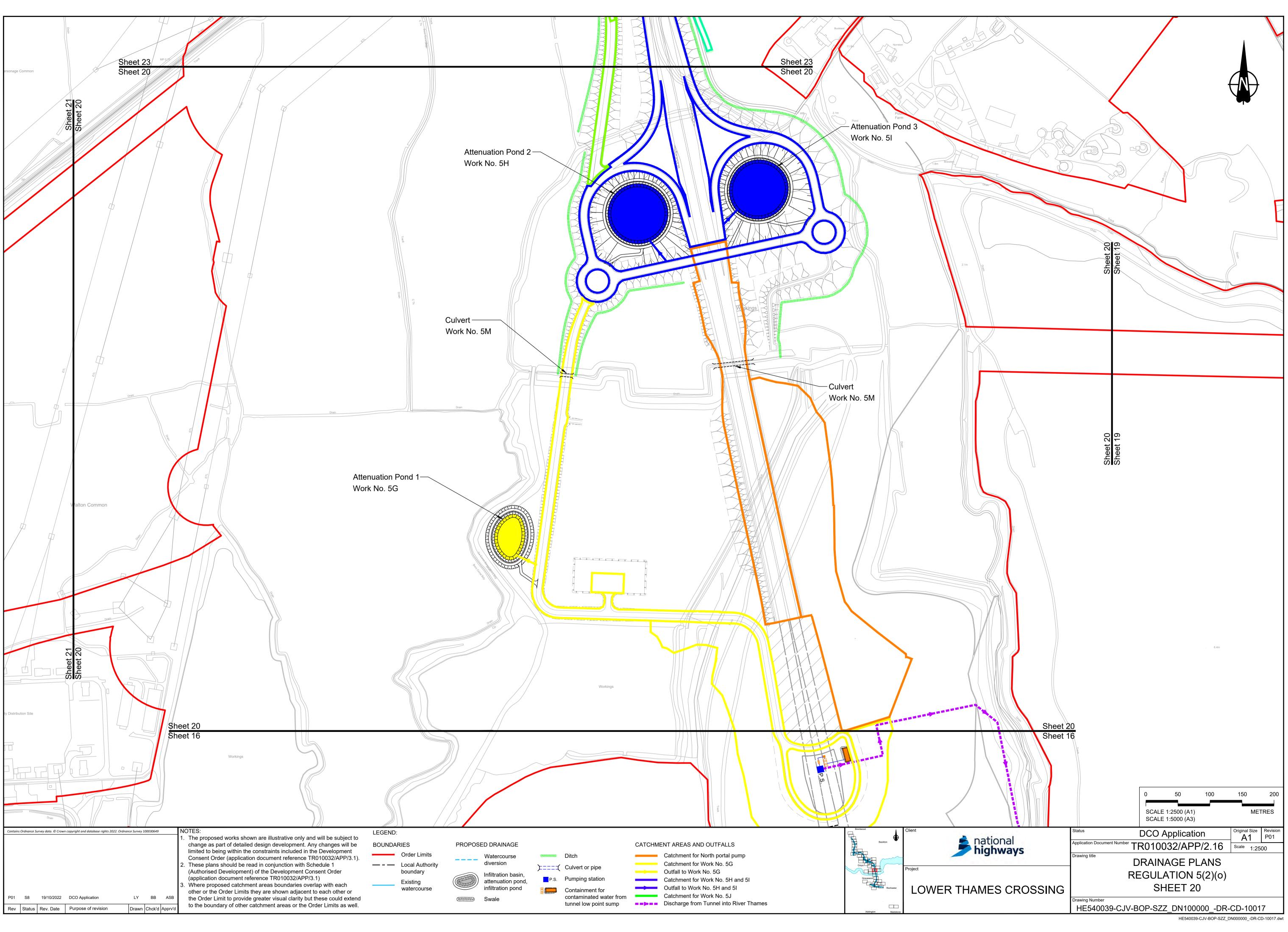


Warehouse		
L Twr		
	Varehouse	
L Twr Warehouse		jin ji
		Pit Mar (fincersusation)
	Warehouse	Electricity Distributions Refer
LTwr		
L Twr		100
	Watchouse 4.3m	Tan
		DESIG
rate alling Crane		DLJIG
	Treatment of the second s	
		Campu
		Tilbury Docks
Mooring Post		
LTWY		
Mooring Post		
PESS B		
		ian
LESS		
HESS S	Convert . 65m	
d Tr	Cuptor	
Look Contrar Contrar		
Contains Ordnance Survey data. © Crown copyright and database rights 2022. Ordnance Survey 100030649	NOTES: 1. The proposed works shown are illustrative only and will be subject to change as part of detailed design development. Any changes will be	LEGEND:
	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).	BOUNDARIES PROF Order Limits
	<ol> <li>These plans should be read in conjunction with Schedule 1 (Authorised Development) of the Development Consent Order (application document reference TR010032/APP/3.1)</li> </ol>	Local Authority     boundary     Existing     watercourse
P01 S8 19/10/2022 DCO Application LY BB ASB	3. Where proposed catchment areas boundaries overlap with each other or the Order Limits they are shown adjacent to each other or the Order Limit to provide greater visual clarity but these could extend	Existing watercourse
Rev         Status         Rev. Date         Purpose of revision         Drawn         Chck'd         Apprv'd	to the boundary of other catchment areas or the Order Limits as well	









If you need help accessing this or any other National Highways information, please call **0300 123 5000** and we will help you.

### © Crown copyright 2023

You may re-use this information (not including logos) free of charge in any format or medium, under the terms of the Open Government Licence. To view this licence:

### visit www.nationalarchives.gov.uk/doc/opengovernment-licence/

### write to the Information Policy Team, The National Archives, Kew, London TW9 4DU, or email psi@nationalarchives.gsi.gov.uk.

Mapping (where present): © Crown copyright and database rights 2023 OS 100030649. You are permitted to use this data solely to enable you to respond to, or interact with, the organisation that provided you with the data. You are not permitted to copy, sub-licence, distribute or sell any of this data to third parties in any form.

### If you have any enquiries about this publication email info@nationalhighways.co.uk or call 0300 123 5000\*.

Calls to 03 numbers cost no more than a national rate call to an 01 or 02 number and must count towards any nclusive minutes in the same way as 01 and 02 calls.

These rules apply to calls from any type of line including mobile, BT, other fixed line or payphone. Calls may be recorded or monitored.

Printed on paper from well-managed forests and other controlled sources when issued directly by National Highways.

Registered office Bridge House, 1 Walnut Tree Close, Guildford GU1 4LZ

National Highways Limited registered in England and Wales number 09346363