

A12 Chelmsford to A120 widening scheme

TR010060

6.2 ENVIRONMENTAL STATEMENT FIGURE 2.1 ENVIRONMENTAL MASTERPLAN

PART 2

APFP Regulation 5(2)(a)

Planning Act 2008

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

Volume 2

June 2023

Infrastructure Planning

Planning Act 2008

A12 Chelmsford to A120 widening scheme

Development Consent Order 202[]

6.2 ENVIRONMENTAL STATEMENT

FIGURE 2.1 ENVIRONMENTAL MASTERPLAN PART 2

Regulation Reference	Regulation 5(2)(a)
Planning Inspectorate Scheme Reference	TR010060
Application Document Reference	TR010060/APP/6.2
Author	A12 Project Team, National Highways

Version	Date	Status of Version
Rev 1	August 2022	DCO Application
Rev 3	June 2023	DCO Change

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1 Introduction

1.1 General

- 1.1.1 National Highways (the Applicant) has submitted an application under section 37 of the Planning Act 2008 (the “2008 Act”) to the Secretary of State for Transport via the Planning Inspectorate (the Inspectorate) for an order to grant development consent for the A12 Chelmsford to A120 widening scheme (the proposed scheme).
- 1.1.2 These Environmental Masterplan drawings (‘these Plans’) have been prepared to accompany the application for a Development Consent Order (DCO), made by the Applicant to the Secretary of State for Transport via the Planning Inspectorate.
- 1.1.3 The proposed scheme comprises improvements to the A12 between junction 19 (Boreham interchange) and junction 25 (Marks Tey interchange), a distance of approximately 24km, or 15 miles. The proposed scheme involves widening the A12 to three lanes throughout (where it is not already three lanes) with a bypass between junctions 22 and 23 and a second bypass between junctions 24 and 25. It also includes safety improvements, including closing off existing private and local direct accesses onto the main carriageway, and providing alternative provision for walkers, cyclists and horse riders (WCH) to existing routes along the A12, which would be removed. A detailed description of the proposed scheme can be found in Chapter 2 of the Environmental Statement [TR010060/APP/6.1].
- 1.1.4 These Plans comprise part of the DCO application documentation and are included in compliance with Regulation 5(2)(a) of the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulation 2009, which require:
‘5(2)(a) where applicable, the environmental statement required pursuant to the Infrastructure Planning (Environmental Impact Assessment) Regulation 2009 and any scoping or screening opinions or directions.
- 1.1.5 These Plans have been included in the Application to illustrate the mitigation and compensation proposals set out in the Environmental Statement [TR010060/APP/6.2].
- 1.1.6 As these Plans are part of the Application documentation, they should be read alongside and is informed by the other Application documents.

2 Schedule of plans included in this application document

Drawing Number	Drawing Title	Revision
PART 1		
HE551497-JAC-LDC-SCHW-DR-L-0200	ENVIRONMENTAL STATEMENT ENVIRONMENTAL MASTERPLAN KEY PLAN	P02
HE551497-JAC-LDC-SCHW-DR-L-0201	ENVIRONMENTAL STATEMENT ENVIRONMENTAL MASTERPLAN CH. 9500 TO 10600 SHEET 1 OF 21	P02
HE551497-JAC-LDC-SCHW-DR-L-0202	ENVIRONMENTAL STATEMENT ENVIRONMENTAL MASTERPLAN CH. 10600 TO 12100 SHEET 2 OF 21	P04
HE551497-JAC-LDC-SCHW-DR-L-0203	ENVIRONMENTAL STATEMENT ENVIRONMENTAL MASTERPLAN CH. 12100 TO 13600 SHEET 3 OF 21	P02
HE551497-JAC-LDC-SCHW-DR-L-0204	ENVIRONMENTAL STATEMENT ENVIRONMENTAL MASTERPLAN CH. 13600 TO 15400 SHEET 4 OF 21	P02
HE551497-JAC-LDC-SCHW-DR-L-0205	ENVIRONMENTAL STATEMENT ENVIRONMENTAL MASTERPLAN CH. 15400 TO 16800 SHEET 5 OF 21	P03

6.2 ES FIGURE 2.1 ENVIRONMENTAL MASTERPLAN PART 2

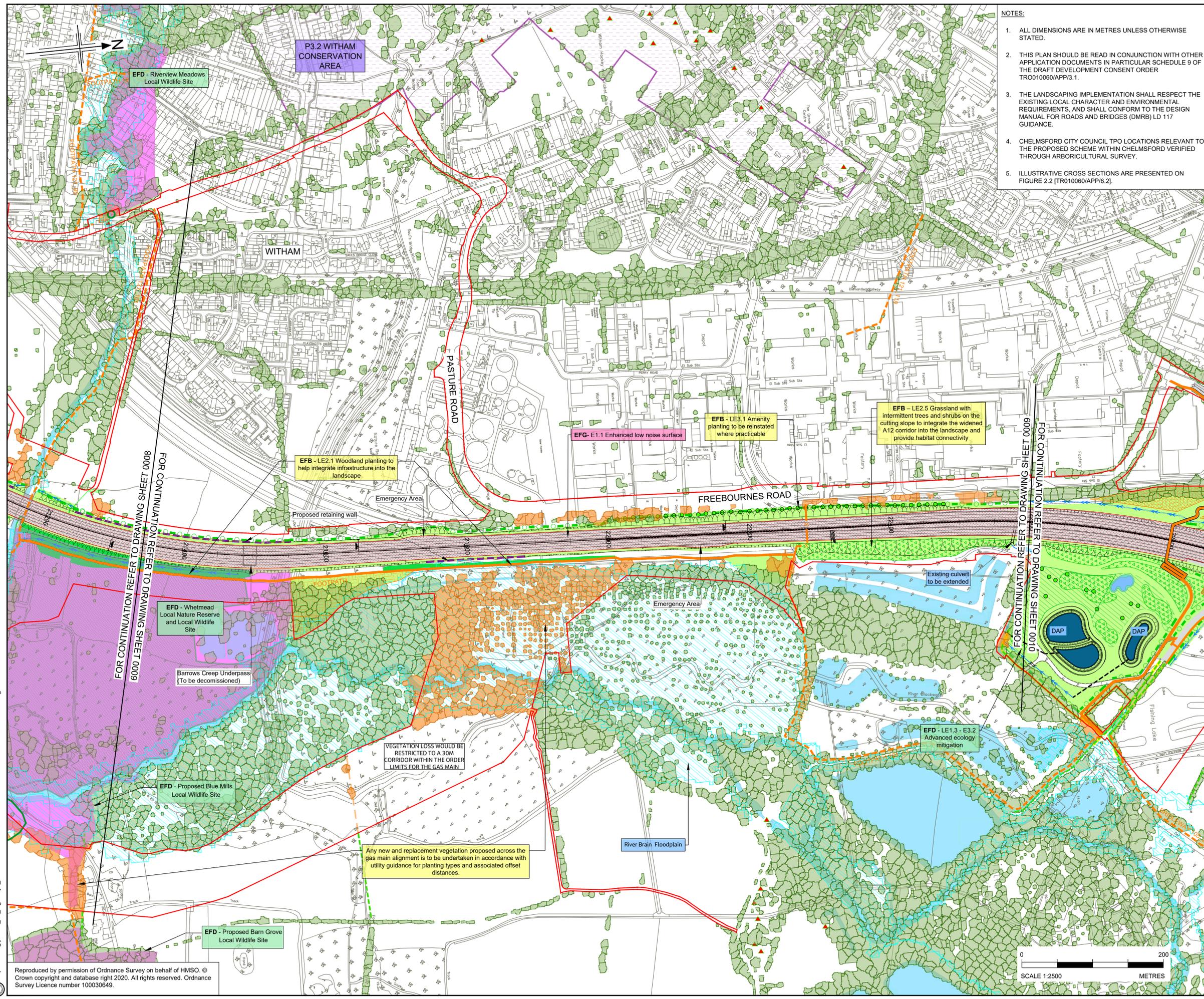
HE551497-JAC-LDC-SCHW-DR-L-0206	ENVIRONMENTAL STATEMENT ENVIRONMENTAL MASTERPLAN CH. 16800 TO 18300 SHEET 6 OF 21	P02
HE551497-JAC-LDC-SCHW-DR-L-0207	ENVIRONMENTAL STATEMENT ENVIRONMENTAL MASTERPLAN CH. 18300 TO 19600/20000 SHEET 7 OF 21	P02
HE551497-JAC-LDC-SCHW-DR-L-0208	ENVIRONMENTAL STATEMENT ENVIRONMENTAL MASTERPLAN CH. 19600/20000 TO 21400 SHEET 8 OF 21	P03
PART 2		
HE551497-JAC-LDC-SCHW-DR-L-0209	ENVIRONMENTAL STATEMENT ENVIRONMENTAL MASTERPLAN CH. 21400 TO 22600 SHEET 9 OF 21	P03
HE551497-JAC-LDC-SCHW-DR-L-0210	ENVIRONMENTAL STATEMENT ENVIRONMENTAL MASTERPLAN CH. 22600 TO 23900 SHEET 10 OF 21	P02
HE551497-JAC-LDC-SCHW-DR-L-0211	ENVIRONMENTAL STATEMENT ENVIRONMENTAL MASTERPLAN CH. 23900 TO 25100 SHEET 11 OF 21	P02
HE551497-JAC-LDC-SCHW-DR-L-0212	ENVIRONMENTAL STATEMENT ENVIRONMENTAL MASTERPLAN CH. 25100 TO 26500	P02

6.2 ES FIGURE 2.1 ENVIRONMENTAL MASTERPLAN PART 2

	SHEET 12 OF 21	
HE551497-JAC-LDC-SCHW-DR-L-0213	ENVIRONMENTAL STATEMENT ENVIRONMENTAL MASTERPLAN CH. 26500 TO 30700 SHEET 13 OF 21	P02
PART 3		
HE551497-JAC-LDC-SCHW-DR-L-0214	ENVIRONMENTAL STATEMENT ENVIRONMENTAL MASTERPLAN CH. 30700 TO 32200 SHEET 14 OF 21	P05
HE551497-JAC-LDC-SCHW-DR-L-0215	ENVIRONMENTAL STATEMENT ENVIRONMENTAL MASTERPLAN CH. 32200 TO 33700 SHEET 15 OF 21	P02
HE551497-JAC-LDC-SCHW-DR-L-0216	ENVIRONMENTAL STATEMENT ENVIRONMENTAL MASTERPLAN CH. 33700 TO 35200 SHEET 16 OF 21	P02
HE551497-JAC-LDC-SCHW-DR-L-0217	ENVIRONMENTAL STATEMENT ENVIRONMENTAL MASTERPLAN CH. 35200 TO 36700	P02

6.2 ES FIGURE 2.1 ENVIRONMENTAL MASTERPLAN PART 2

	SHEET 17 OF 21	
HE551497-JAC-LDC-SCHW-DR-L-0218	ENVIRONMENTAL STATEMENT ENVIRONMENTAL MASTERPLAN CH. 36700 TO 38200 SHEET 18 OF 21	P03
HE551497-JAC-LDC-SCHW-DR-L-0219	ENVIRONMENTAL STATEMENT ENVIRONMENTAL MASTERPLAN CH. 38200 TO 39355 SHEET 19 OF 21	P03
HE551497-JAC-LDC-SCHW-DR-L-0220	ENVIRONMENTAL STATEMENT ENVIRONMENTAL MASTERPLAN CH. 18300 TO 19600/20000 SHEET 20 OF 21	P04
HE551497-JAC-LDC-SCHW-DR-L-0221	ENVIRONMENTAL STATEMENT ENVIRONMENTAL MASTERPLAN CH. 16800 TO 18300 SHEET 21 OF 21	P02
HE551497-JAC-LDC-SCHW-DR-L-0222	ENVIRONMENTAL STATEMENT ENVIRONMENTAL MASTERPLAN LEGEND	P02



- NOTES:**
1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
 2. THIS PLAN SHOULD BE READ IN CONJUNCTION WITH OTHER APPLICATION DOCUMENTS IN PARTICULAR SCHEDULE 9 OF THE DRAFT DEVELOPMENT CONSENT ORDER TR010060/APP/6.2.
 3. THE LANDSCAPING IMPLEMENTATION SHALL RESPECT THE EXISTING LOCAL CHARACTER AND ENVIRONMENTAL REQUIREMENTS AND SHALL CONFORM TO THE DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB) LD 117 GUIDANCE.
 4. CHELMSFORD CITY COUNCIL TPO LOCATIONS RELEVANT TO THE PROPOSED SCHEME WITHIN CHELMSFORD VERIFIED THROUGH ARBORICULTURAL SURVEY.
 5. ILLUSTRATIVE CROSS SECTIONS ARE PRESENTED ON FIGURE 2.2 [TR010060/APP/6.2].

BOUNDARIES

- Order Limits

EXISTING CONTEXT

- Open water
- Indicative canopies of trees over 3m (National Tree Map TM © Bluesky International Ltd); Retained (green); At Risk of Removal (amber)
- Ancient woodland
- Existing hedges: Retained (green); At Risk of Removal (amber); Important hedgerow (bright yellow)
- Verified ancient (VA), notable (VN) and veteran (VV) trees by the Woodland Trust
- Potential ancient (PA), notable (PN) and veteran (PV) tree (individual or tree group)
- Trees protected by Tree Preservation Order (group or individual tree)
- Local nature reserve/Local Wildlife Site - EFD
- Conservation areas - P3.2
- Listed buildings - P3.1
- Registered parks and gardens - P3.1
- Scheduled monument
- Existing public right of way / walking, cycling and horse-riding user route
- Existing public right of way / walking, cycling and horse-riding user route - stopped up

PROPOSED DRAINAGE MITIGATION

- Drainage attenuation and water treatment pond - outfall designed to environmental best practice
- Underground storage units
- Floodplain with scheme fluvial flood extent 1% (1 in 100) annual exceedance probability
- Flood mitigation areas

PROPOSED ENVIRONMENTAL MITIGATION

- Woodland planting of trees and shrubs - LE2.1/LE2.2/LE2.4
- Wet woodland - LE6.1
- Tall screen planting of trees and shrubs to elevate flight path of bats & barn owls - LE2.4
- Individual trees - LE5.1/LE3.1
- Hedge with intermittent trees for ecological connectivity - LE4.4
- Grassland - LE1.3/LE1.6
- Grassland with intermittent trees and shrubs - LE2.5
- Ecology mitigation area (advanced/post construction) - E3.2
- Ecological pond (indicative symbol) - LE6.1
- Noise barrier location / Acoustic barrier - E1.2
- New/realigned public right of way / walking, cycling and horse-riding user route - LE7
- Proposed borrow pit

ENVIRONMENTAL FUNCTIONS KEY

- Landscape
- Ecology
- Acoustics
- Water
- Heritage
- Contaminated Land

KEY PLAN
SCALE N.T.S.

Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Appn'd
P03	09/06/23	DCO CHANGE	DR	HB	HM	RM

Development Consent Order Number: TR010060
Development Consent Order Drawing Number: TR010060/APP/6.2



Project: A12 CHELMSFORD TO A120 WIDENING SCHEME

ENVIRONMENTAL STATEMENT
ENVIRONMENTAL MASTERPLAN
CH. 21400 TO 22600
SHEET 9 OF 21

Regulation	REGULATION 8(1)(k)
Purpose of issue	DCO EXAM
State Code	Statutory Procedures and Powers
Project Stage	PCF 4
Scale at A1 (841x594mm)	1:2500
Jacobs No.	B36601D1
Client no.	HE551497
Drawing number	PIN
Originator	Volume
Location	Type Role Number

HE551497 - JAC - LDC - SCHW - DR - L -0209

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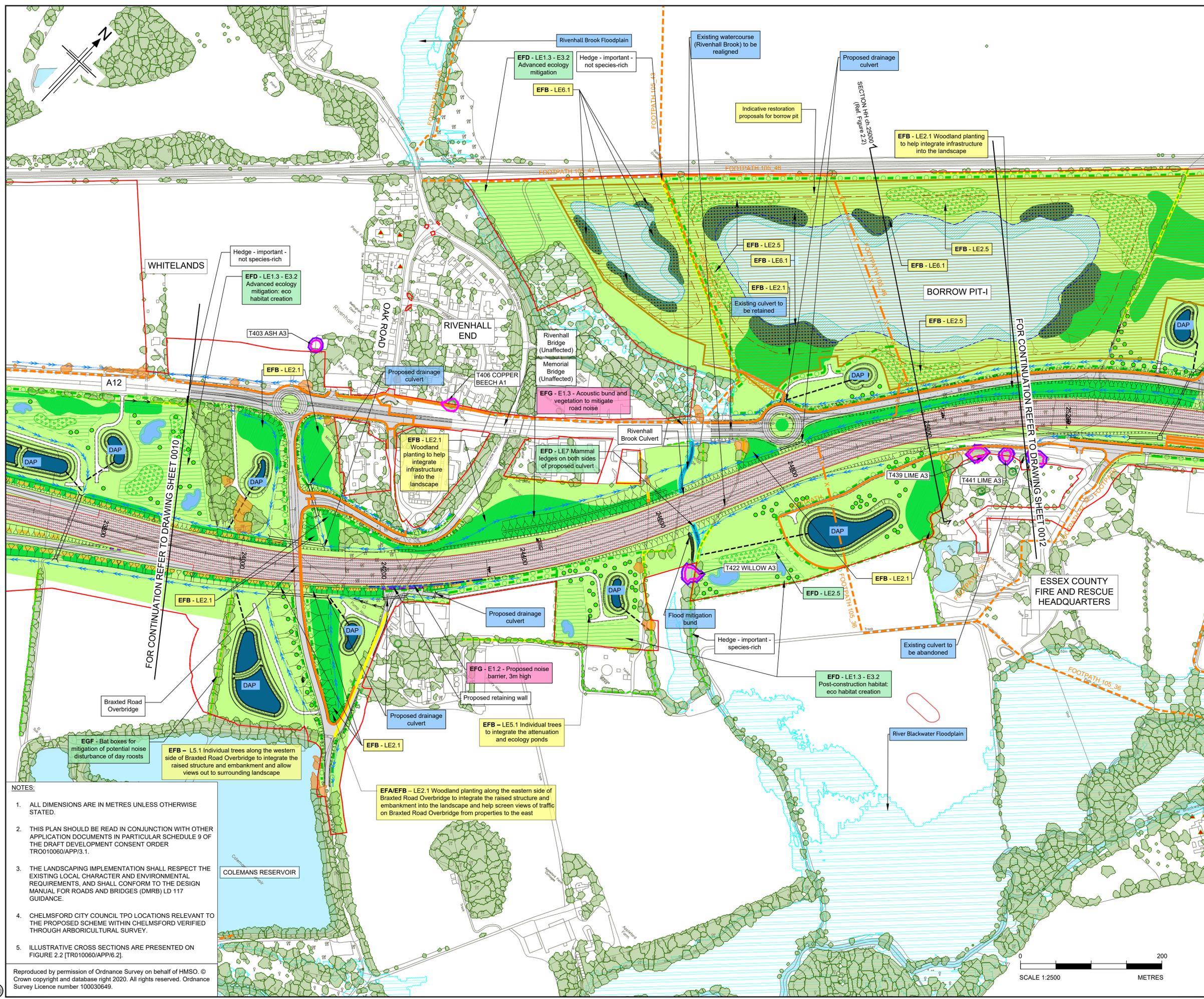


FIGURE 2.1

BOUNDARIES

- Order Limits

EXISTING CONTEXT

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- Listed buildings - P3.1
- Registered parks and gardens - P3.1
- Scheduled monument
- Existing public right of way / walking, cycling and horse-riding user route
- Existing public right of way / walking, cycling and horse-riding user route - stopped up

PROPOSED DRAINAGE MITIGATION

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- Individual trees - LE5.1/LE3.1
- Hedge with intermittent trees for ecological connectivity - LE4.4
- Grassland - LE1.3/LE1.6
- Grassland with intermittent trees and shrubs - LE2.5
- Ecology mitigation area (advanced/post construction) - E3.2
- Ecological pond (indicative symbol) - LE6.1
- Noise barrier location / Acoustic barrier - E1.2
- New/reallocated public right of way / walking, cycling and horse-riding user route - LE7
- Proposed borrow pit

ENVIRONMENTAL FUNCTIONS KEY

Landscape	Ecology	Acoustics
Water	Heritage	Contaminated Land

*For main legend refer to sheet 22 (HE551497-JAC-LDC-SCHW-DR-L-0222)

KEY PLAN
SCALE N.T.S.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
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P02	09/06/23	DCO CHANGE	DR	HB	HM	RM
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd

Development Consent Order Number: TR010060
Development Consent Order Drawing Number: TR010060/APP/6.2

Client: **national highways**

Project: **A12 CHELMSFORD TO A120 WIDENING SCHEME**

Drawing title: **ENVIRONMENTAL STATEMENT ENVIRONMENTAL MASTERPLAN CH. 23900 TO 25100 SHEET 11 OF 21**

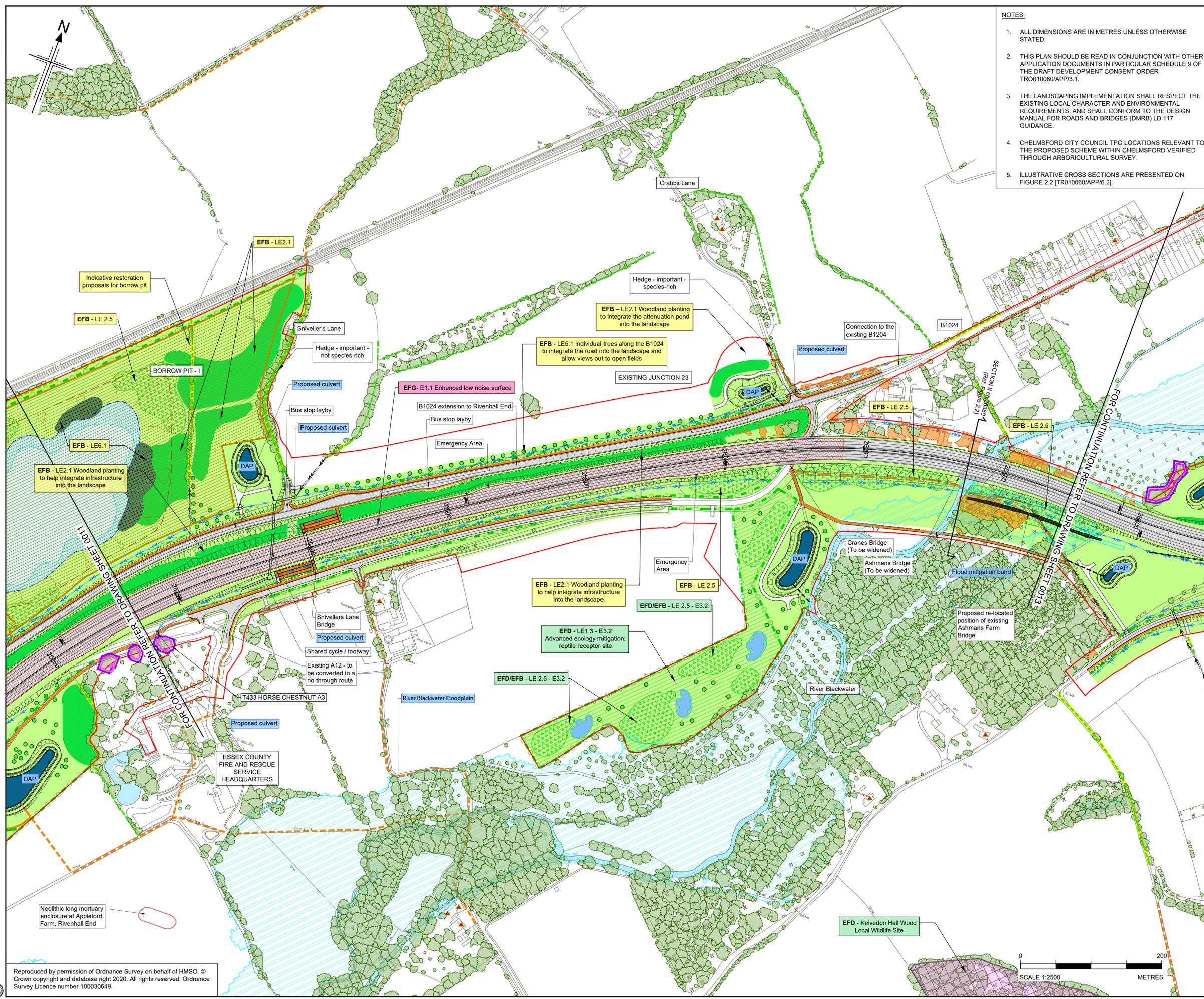
Regulation	REGULATION 8(1)(k)		
Purpose of issue	DCO EXAM		
State Code	Statutory Procedures and Powers		
Project Stage	PCF 4	Drawing status	S4
Scale at A1 (841x594mm)	1:2500	Rev	P02
Jacobs No.	B36601D1	Client no.	HE551497
Drawing number	PIN	Originator	Volume
HE551497	JAC	LDC	
SCHW	-DR-	L-0211	

Scale 1:2500 METRES

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KEY PLAN
SCALE N.T.S.

P02	09/06/23	DCO CHANGE	DR	HB	HM	RM
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd

Development Consent Order Number: TR010060
Development Consent Order Drawing Number: TR010060/APP/6.2

Client: **national highways**

Project: **A12 CHELMSFORD TO A120 WIDENING SCHEME**

Drawing title: **ENVIRONMENTAL STATEMENT ENVIRONMENTAL MASTERPLAN CH. 25100 TO 26500 SHEET 12 OF 21**

Regulation	REGULATION 8(1)(k)
Purpose of issue	DCO EXAM
State Code	Statutory Procedures and Powers
Project Stage	PCF 4
Scale at A1 (84x594mm)	1:2500
Jacobs No.	B36601D1
Client no.	HE551497
Drawing number	P02

HE551497 - JAC - LDC - SCHW - DR - L -0212

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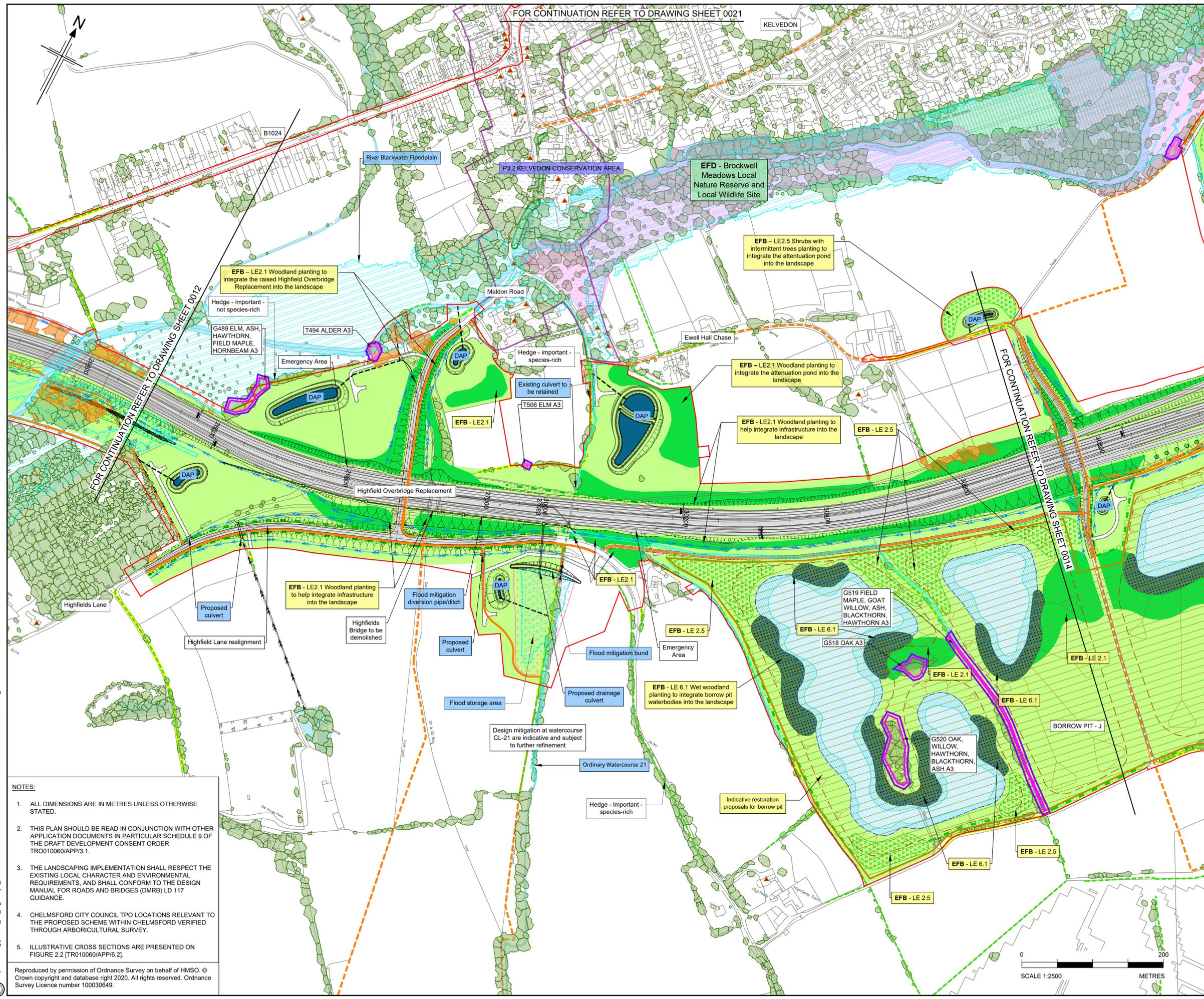


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KEY PLAN
SCALE N.T.S.

P02	09/06/23	DCO CHANGE	DR	HB	HM	RM
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Appr'd
Development Consent Order Number: TR010060			Development Consent Order Drawing Number: TR010060/APP/6.2			

Client: **national highways**

Project: **A12 CHELMSFORD TO A120 WIDENING SCHEME**

Drawing title: **ENVIRONMENTAL STATEMENT ENVIRONMENTAL MASTERPLAN CH. 26500 TO 30700 SHEET 13 OF 21**

Regulation	REGULATION 8(1)(k)	
Purpose of issue	DCO EXAM	
State Code	Statutory Procedures and Powers	
Project Stage	PCF 4	Drawing status
Scale at A1 (841x594mm)	1:2500	S4
Jacobs No.	B36601D1	Rev
Client no.	HE551497	P02

Drawing number: HE551497 - JAC - LDC - SCHW - DR - L - 0213

Originator: JAC - LDC - SCHW
Volume: -DR- L - 0213

Scale: 1:2500 METRES

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