

A12 Chelmsford to A120 widening scheme

TR010060

6.2 ENVIRONMENTAL STATEMENT FIGURE 2.1 ENVIRONMENTAL MASTERPLAN PART 3

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 3

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 2	April 2023	For Deadline 4
Rev 3	June 2023	DCO Change

Planning Inspectorate Scheme Ref: TR010060 Application Document Ref: TR010060/APP/6.2





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



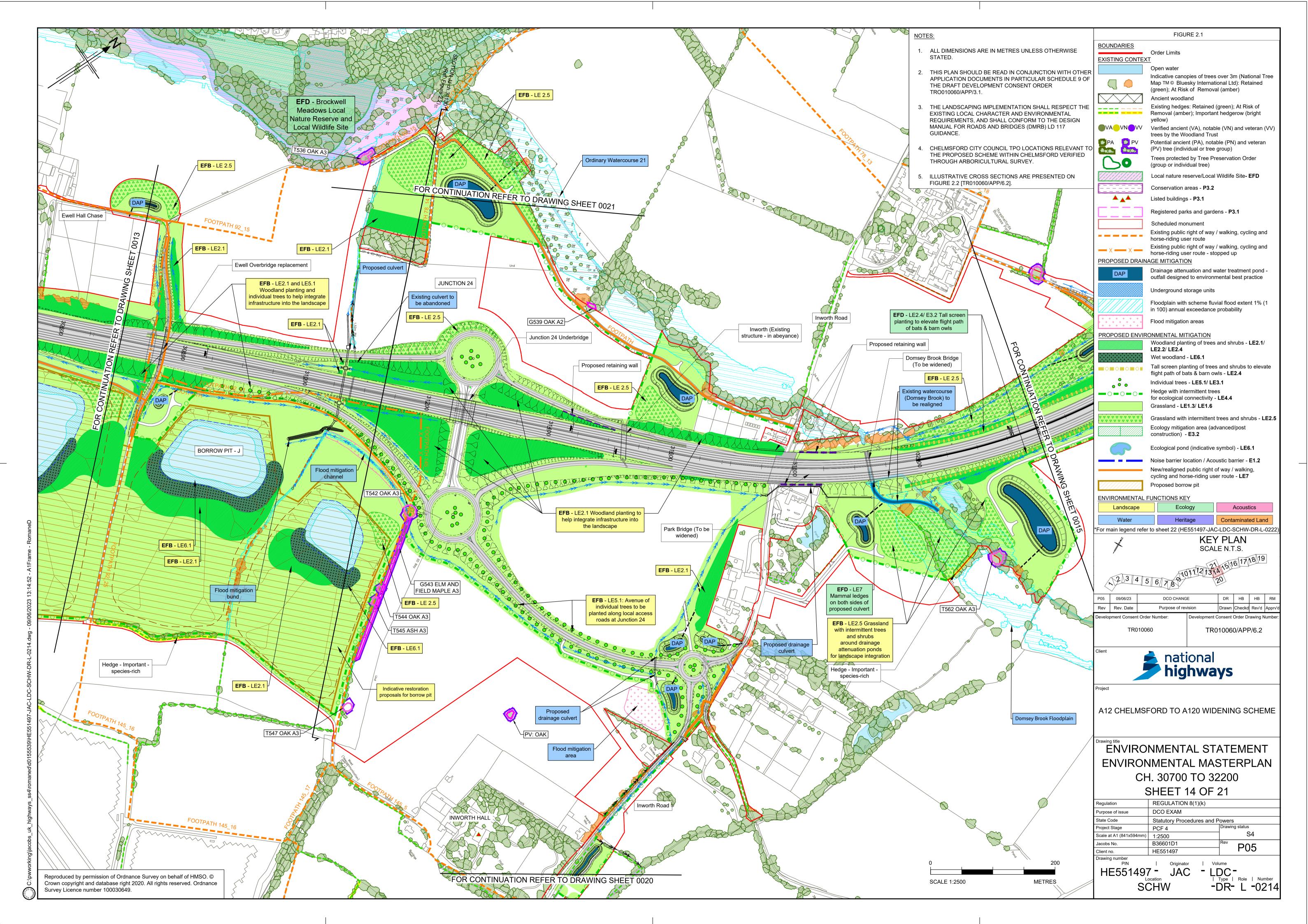
<u>S FIGURE 2.1 ENVIRONMENTAL MASTERPLAN F</u>	PART 3	
	ENVIRONMENTAL STATEMENT	P02
HE551497-JAC-LDC-SCHW-DR-L-0206	ENVIRONMENTAL MASTERPLAN	
	CH. 16800 TO 18300	
	SHEET 6 OF 21	
HE551497-JAC-LDC-SCHW-DR-L-0207	ENVIRONMENTAL STATEMENT	P02
	ENVIRONMENTAL MASTERPLAN	
	CH. 18300 TO 19600/20000	
	SHEET 7 OF 21	
HE551497-JAC-LDC-SCHW-DR-L-0208	ENVIRONMENTAL STATEMENT	P03
	ENVIRONMENTAL MASTERPLAN	
	CH. 19600/20000 TO 21400 SHEET 8 OF 21	
ı	PART 2	
HE551497-JAC-LDC-SCHW-DR-L-0209	ENVIRONMENTAL STATEMENT	P03
	ENVIRONMENTAL MASTERPLAN	
	CH. 21400 TO 22600	
	SHEET 9 OF 21	
	ENVIRONMENTAL STATEMENT	P02
HE551497-JAC-LDC-SCHW-DR-L-0210	ENVIRONMENTAL MASTERPLAN	
	CH. 22600 TO 23900	
	SHEET 10 OF 21	
HE551497-JAC-LDC-SCHW-DR-L-0211	ENVIRONMENTAL STATEMENT	P02
	ENVIRONMENTAL MASTERPLAN	
	CH. 23900 TO 25100	
	SHEET 11 OF 21	
HE551497-JAC-LDC-SCHW-DR-L-0212	ENVIRONMENTAL STATEMENT	P02
	ENVIRONMENTAL MASTERPLAN	
	CH. 25100 TO 26500	

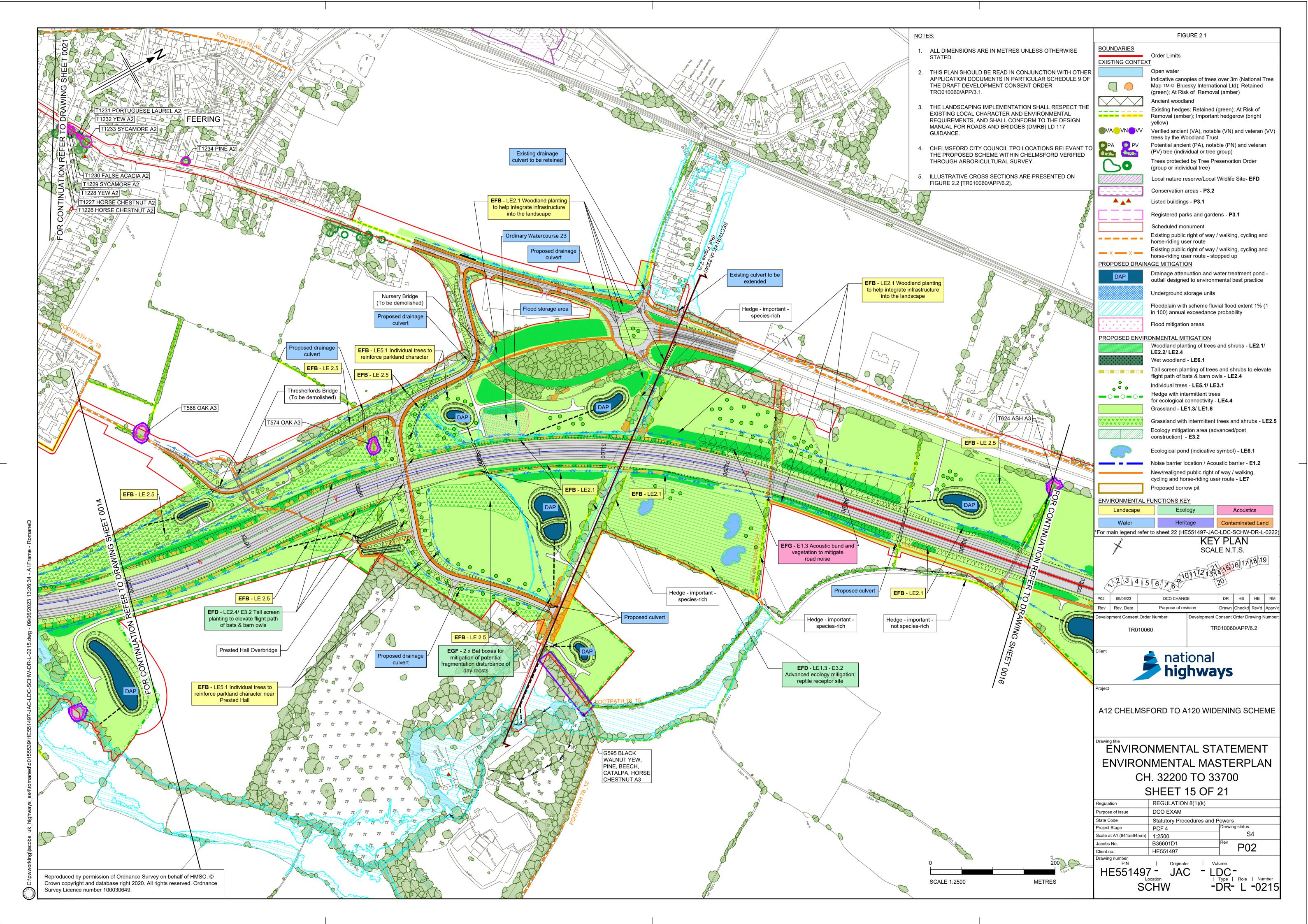


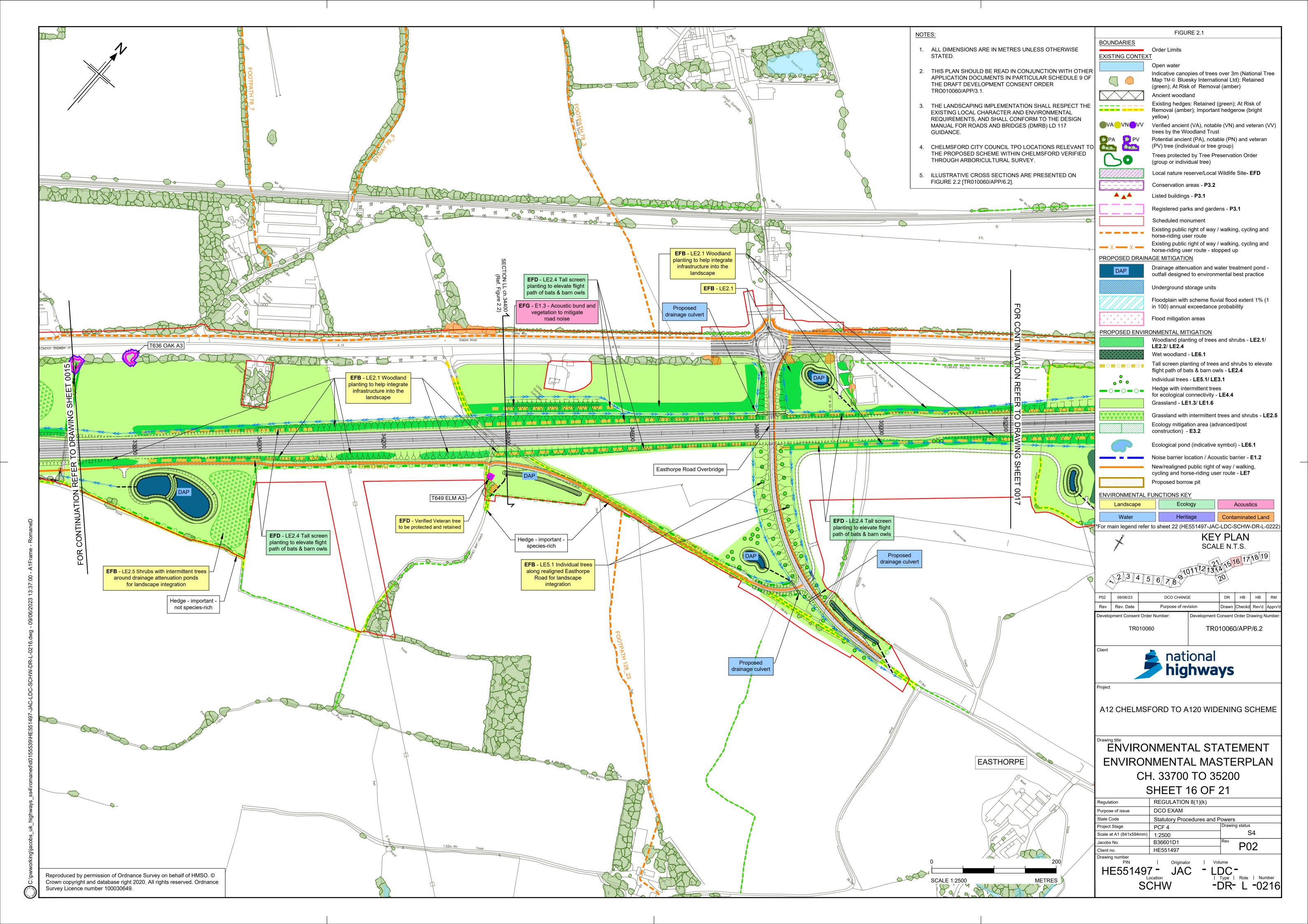
STIGORE 2.1 LIVINGINIMENTAL MAGTERI LAIVI		
	SHEET 12 OF 21	
	ENVIRONMENTAL STATEMENT	P02
HE551497-JAC-LDC-SCHW-DR-L-0213	ENVIRONMENTAL MASTERPLAN	
	CH. 26500 TO 30700 SHEET 13 OF 21	
	PART 3	
HE551497-JAC-LDC-SCHW-DR-L-0214	ENVIRONMENTAL STATEMENT	P05
	ENVIRONMENTAL MASTERPLAN	
	CH. 30700 TO 32200	
	SHEET 14 OF 21	
	ENVIRONMENTAL STATEMENT	P02
HE551497-JAC-LDC-SCHW-DR-L-0215	ENVIRONMENTAL MASTERPLAN	
	CH. 32200 TO 33700	
	SHEET 15 OF 21	
HE551497-JAC-LDC-SCHW-DR-L-0216	ENVIRONMENTAL STATEMENT	P02
	ENVIRONMENTAL MASTERPLAN	
	CH. 33700 TO 35200	
	SHEET 16 OF 21	
HE551497-JAC-LDC-SCHW-DR-L-0217	ENVIRONMENTAL STATEMENT	P02
	ENVIRONMENTAL MASTERPLAN	
	CH. 35200 TO 36700	

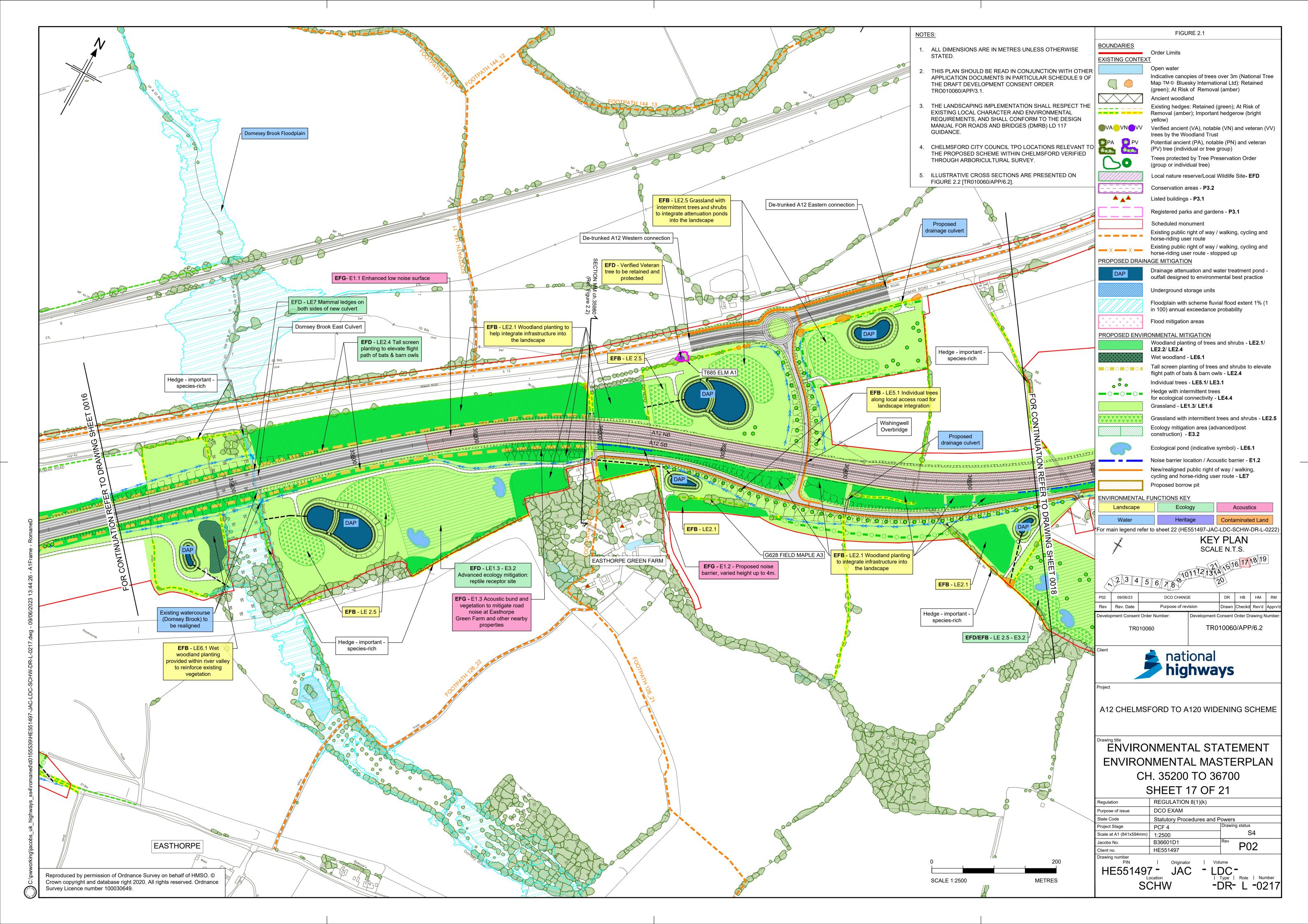


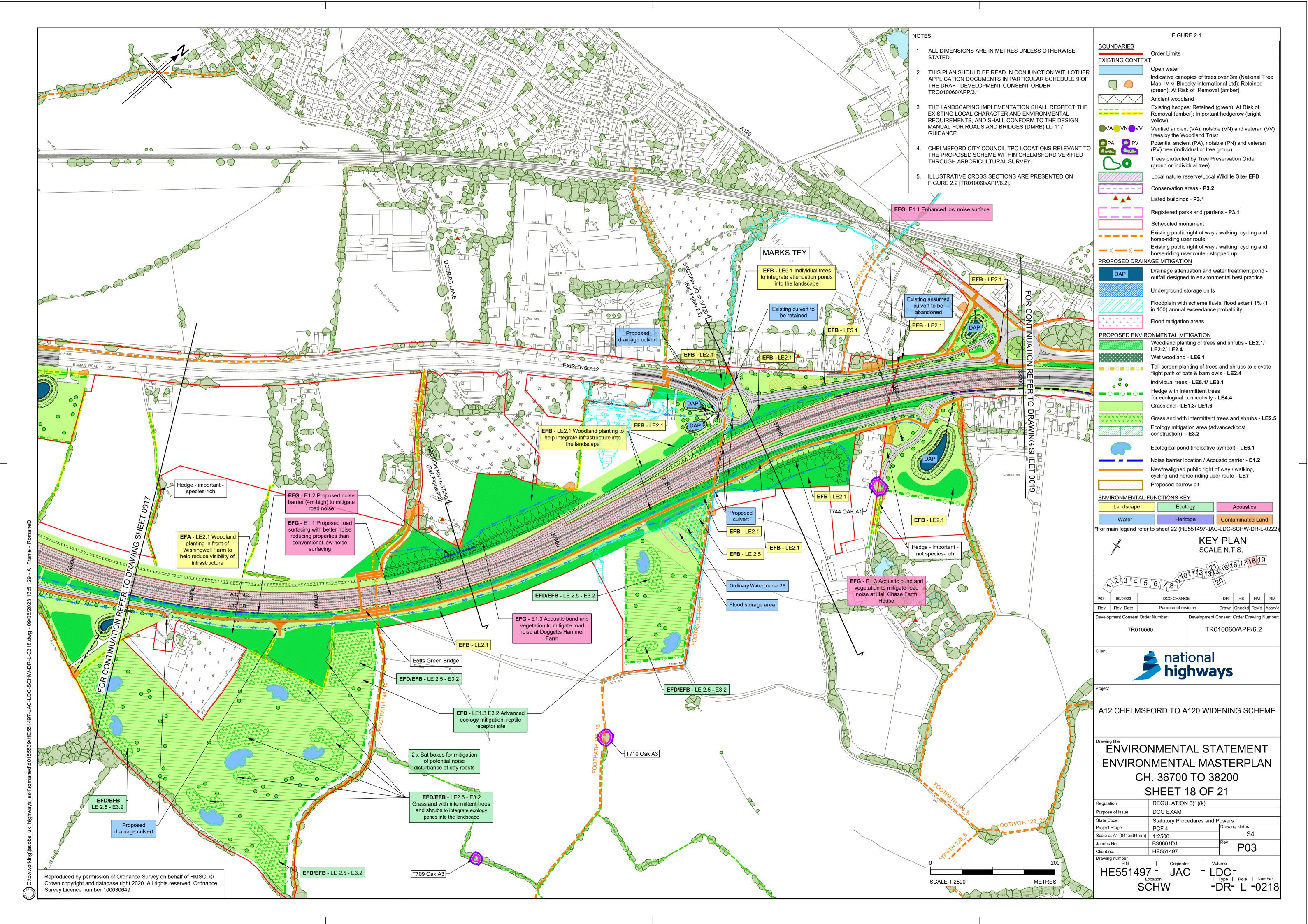
	SHEET 17 OF 21	
	ENVIRONMENTAL STATEMENT	P03
HE551497-JAC-LDC-SCHW-DR-L-0218	ENVIRONMENTAL MASTERPLAN	
	CH. 36700 TO 38200	
	SHEET 18 OF 21	
	ENVIRONMENTAL STATEMENT	P03
HE551497-JAC-LDC-SCHW-DR-L-0219	ENVIRONMENTAL MASTERPLAN	
	CH. 38200 TO 39355	
	SHEET 19 OF 21	
HE551497-JAC-LDC-SCHW-DR-L-0220	ENVIRONMENTAL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

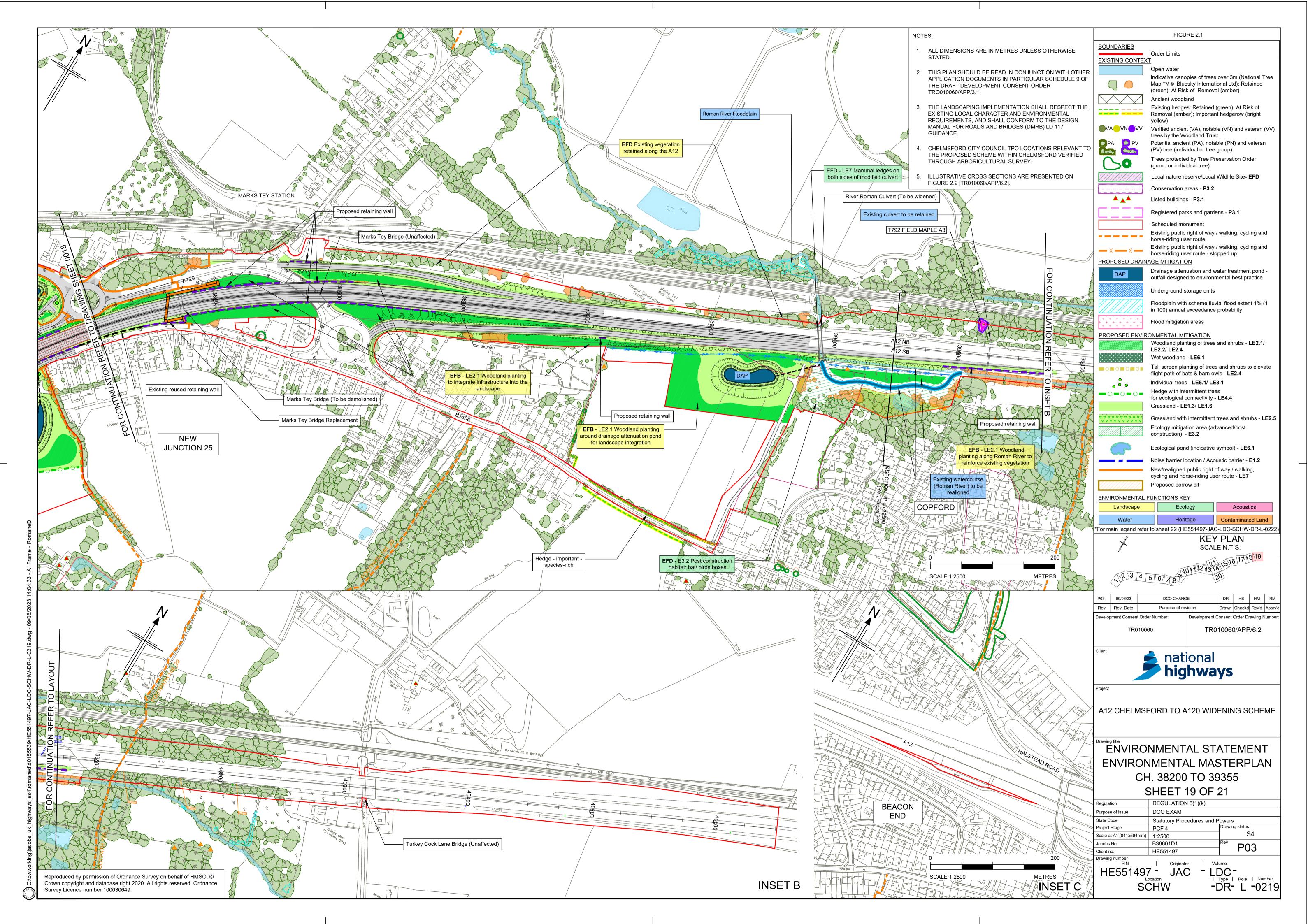


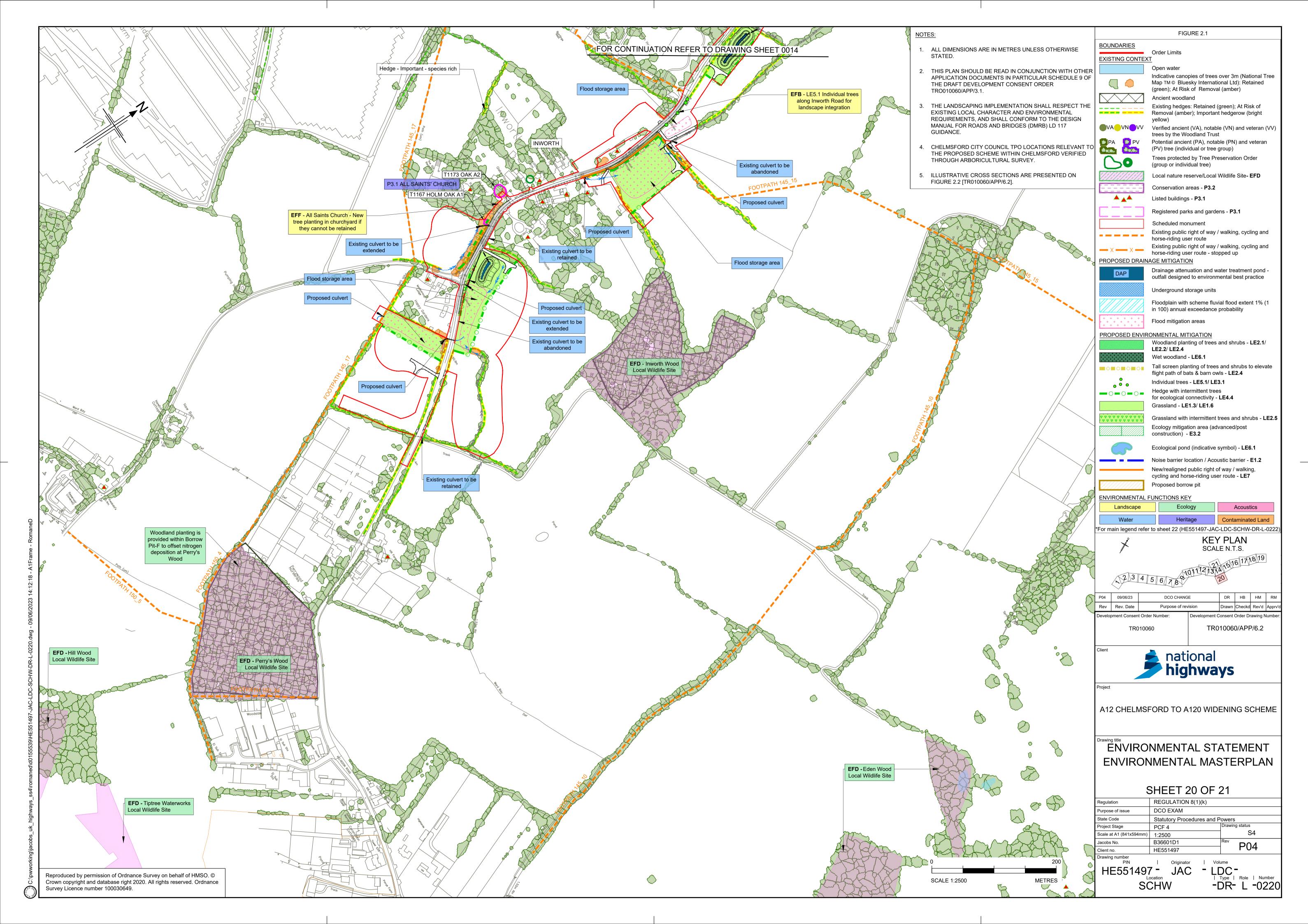


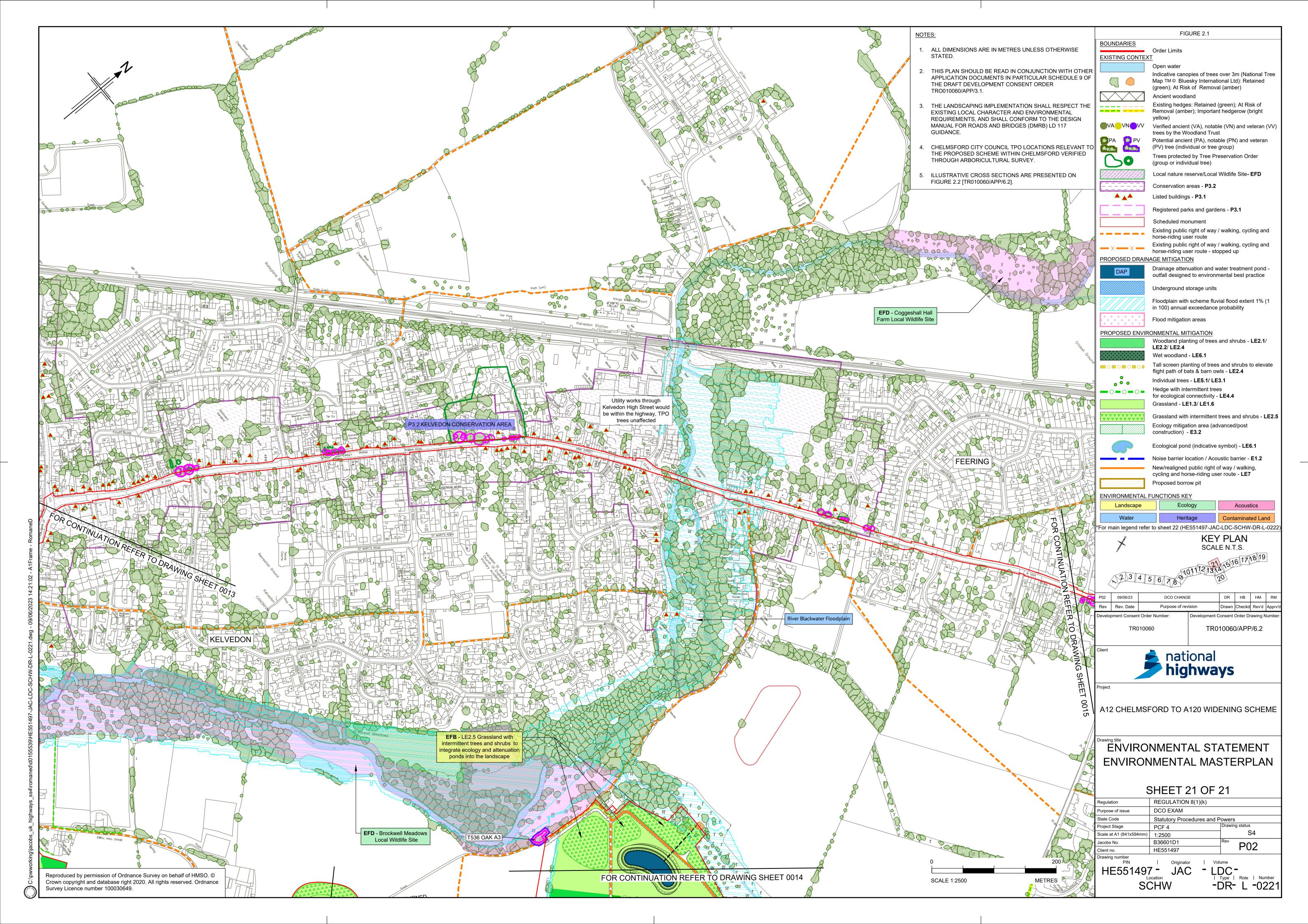












EXISTING PUBLIC RIGHT OF WAY / WALKING, CYCLING AND HORSE-RIDING USER ROUTE

AND HORSE-RIDING USER ROUTE - STOPPED UP

NEW/REALIGNED PUBLIC RIGHT OF WAY / WALKING,
CYCLING AND HORSE-RIDING USER ROUTE

EXISTING PUBLIC RIGHT OF WAY / WALKING, CYCLING

PROPOSED CONTROLLED CROSSING

PROPOSED UNCONTROLLED CROSSING

PROPOSED GANTRY MOUNTED DIRECTION SIGN

PROPOSED TECHNOLOGY GANTRY

PROPOSED LIGHTING COLUMN

ENGINEERING & CONSTRUCTION

PROPOSED CONSTANT CUTTING

PROPOSED CONSTANT EMBANKMENT

PROPOSED CONSTANT EMBANKMENT

PROPOSED MITIGATION EARTHWORKS

PROPOSED MITIGATION EARTHWORKS (BORROW PITS)

PROPOSED CARRIAGEWAY/ ROAD

PROPOSED FOOTWAY / HARDSTANDING / ISLAND

PROPOSED VERGE

NEW OR MODIFIED BRIDGE DECK

EXISTING BRIDGE DECK

PROPOSED RETAINING WALL

EXISTING RETAINING WALL

ENHANCED LOW NOISE SURFACE

ENTIANCED LOW NOISE SURFAC

REPLACEMENT LAND

DRAINAGE

EXISTING CULVERT (TO BE RETAINED)

PROPOSED CULVERT - MINOR WATERCOURSE

EXISTING CULVERT (TO BE EXTENDED)

EXISTING CULVERT (TO BE ABANDONED)

PROPOSED WATERCOURSE DIVERSION (MAIN RIVER)

WATER FLOW DIRECTION

RETAINED)

PROPOSED CUT-OFF DITCH/ EXISTING DITCH/MINOR WATERCOUSE (TO BE REALIGNED)

EXISTING DITCH / MINOR WATERCOURSE (TO BE ABANDONED)

EXISTING DITCH / MINOR WATERCOURSE (TO BE

PROPOSED DRAINAGE ATTENUATION AND WATER TREATMENT POND - OUTFALL DESIGNED TO ENVIRONMENTAL BEST PRACTICE

PROPOSED UNDERGROUND STORAGE UNITS

PROPOSED DRAINAGE OUTFALL PIPE

PROPOSED FLOOD MITIGATION AREAS



ENVIRONMENT

EXISTING

INDICATIVE CANOPIES OF TREES OVER 3m HIGH (NATIONAL TREE MAP TM © BLUESKY INTERNATIONAL Ltd): RETAINED (GREEN); AT RISK OF REMOVAL (AMBER)

RETAINED IMPORTANT HEDGEROWS (HEDGEROW REGULATIONS, 1997) IDENTIFIED IN CHAPTER 9: BIODIVERSITY (DCO DOC REF TR010060/APP/6.1)

HEDGEROWS: RETAINED (GREEN); AT RISK OF REMOVAL (AMBER) IDENTIFIED IN CHAPTER 9: BIODIVERSITY (DCO DOC REF TR010060/APP/6.1)

VERIFIED ANCIENT (VA), NOTABLE (VN) AND VETERAN (VV)
TREES BY THE WOODLAND TRUST

OPEN WATER

PA PV

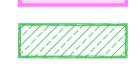
POTENTIAL ANCIENT (PA), NOTABLE (PN) AND VETERAN (PV) TREE (INDIVIDUAL OR TREE GROUP)

EXISTING TREES SURVEYED AS 'A-GRADE' CATEGORY

ANCIENT WOODLAND

CONSERVATION AREAS

LOCAL WILDLIFE SITES

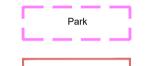


LOCAL NATURE RESERVE

SCHEDULED MONUMENT



LISTED BUILDINGS

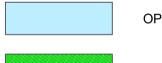


REGISTERED PARKS AND GARDENS



TREES PROTECTED BY TREE PRESERVATION ORDER (AREA OR INDIVIDUAL TREE)
(DATA SOURCE: CHELMSFORD CITY COUNCIL,
BRAINTREE DISTRICT COUNCIL, MALDON DISTRICT COUNCIL, COLCHESTER BOROUGH COUNCIL)

PROPOSED



OPEN WATER



WOODLAND PLANTING OF TREES AND SHRUBS



WET WOODLAND



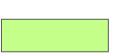
TALL SCREEN PLANTING TO ELEVATE FLIGHT PATH OF BATS & BARN OWLS



INDIVIDUAL TREES



HEDGE WITH INTERMITTENT TREES FOR ECOLOGICAL



GRASSLAND

HEDGE



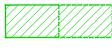
GRASSLAND WITH INTERMITTENT TREES AND SHRUBS



ECOLOGY POND (INDICATIVE SYMBOL)



AQUATIC AND MARGINAL PLANTING (INDICATIVE)



ECOLOGY MITIGATION AREA (ADVANCED/POST CONSTRUCTION)



NOISE BARRIER LOCATION / ACOUSTIC BARRIER



FLOODPLAIN WITH SCHEME FLUVIAL FLOOD EXTENT 1% (1 IN 100) ANNUAL EXCEEDANCE PROBABILITY



BORROW PIT

RETAINING WALLS

DMRB: LD 117 LANDSCAPE DESIGN

TABLE 4.2a ENVIRONMENTAL FUNCTION CODES

CODE DATASET

EFA VISUAL SCREENING

EFB LANDSCAPE INTEGRATION

EFD NATURE CONSERVATION AND BIODIVERSITY

EFF HERITAGE

EFG AUDITORY AMENITY

TABLE 4.2b LANDSCAPE ELEMENT CODES

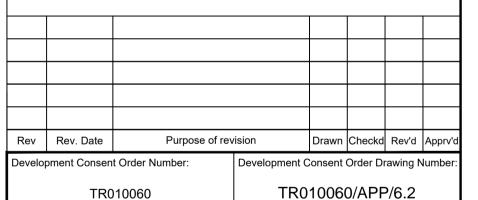
CODE DATASET LE1.3 SPECIES RICH (OR CONSERVATION) GRASSLAND LE1.6 OPEN GRASSLAND LE2.1 WOODLAND LE2.2 WOODLAND EDGE LINEAR BELTS OF SHRUBS AND TREES LE2.4 LE2.5 SHRUBS WITH INTERMITTENT TREES LE3.1 AMENITY TREE AND SHRUB PLANTING LE4.4 NATIVE HEDGEROWS WITH TREES LE5.1 INDIVIDUAL TREES LE6.1 WATER BODIES AND ASSOCIATED PLANTS HARD LANDSCAPE FEATURES LE7 P3.1 CULTURAL HERITAGE FEATURE P3.2 CONSERVATION AREA

TABLE 4.2C ENVIRONMENTAL ELEMENTS CODES

CODE DATASET
E1.2 NOISE BARRIER-BUILT ELEMENTS
E1.3 NOISE-REDUCING EARTHWORKS
E3.1 PROTECTED SPECIES
E3.2 ECOLOGICAL PROTECTION MEASURES

NOTES

- 1. THIS PLAN SHOULD BE READ IN CONJUNCTION WITH OTHER PLAN APPLICATION DOCUMENTS IN PARTICULAR SCHEDULE 3 OF THE DEVELOPMENT CONSENT ORDER.
- 2. THIS LEGEND SHOULD BE READ IN CONJUNCTION WITH THE LOCATION KEY PLAN AND THE GENERAL ARRANGEMENT DRAWINGS





Project

A12 CHELMSFORD TO A120 WIDENING SCHEME

ENVIRONMENTAL STATEMENT ENVIRONMENTAL MASTERPLAN LEGEND

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)		S4	
Jacobs No.	B36601D1	P02	
Client no.	HE551497	FU2	

HE551497 - JAC - LD SCHW -D

JAC - LDC -| Type | Role | Number | -DR- L -0222