

## 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 6

August 2022



# Infrastructure Planning Planning Act 2008

## A12 Chelmsford to A120 widening scheme Development Consent Order 202[]

## 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

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

## A12 Chelmsford to A120 widening scheme ENVIRONMENTAL STATEMENT FIGURE 2.1 ENVIRONMETNAL MASTERPLAN – PART 3



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



#### 1 Introduction

#### 1.1 General

- 1.1.1 National Highways (the "Applicant") has submitted an application under Section 37 of the Planning Act 2008 (PA 2008) 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 (SoS) via the Planning Inspectorate (the Inspectorate).
- 1.1.3 The application is seeking powers to widen the existing A12 to three lanes between junctions 19 (Boreham interchange) and 25 (Marks Tey interchange). These works extend for a total of 15 miles (24km) and comprise two new three-lane bypasses, between the existing junction 22 and 23; and between the existing junction 24 and 25 respectively, to be known as the A12. 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 suite of Environmental Statement documentation and is included in the Application in compliance with Regulation 5(2)(a) of the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulation 2009, which requires:
  - '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.
- 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.

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



## 2 Schedule of plans included in this application document

Drawing Number	Drawing Title	Revision
PART 1		
	ENVIRONMENTAL STATEMENT	
HE551497-JAC-LDC-SCHW-DR-L-0200	ENVIRONMENTAL MASTERPLAN KEY PLAN	P01
	ENVIRONMENTAL STATEMENT	
HE551497-JAC-LDC-SCHW-DR-L-0201	ENVIRONMENTAL MASTERPLAN	P01
	CH. 9500 TO 10600	
	SHEET 1 OF 21	
	ENVIRONMENTAL STATEMENT	
HE551497-JAC-LDC-SCHW-DR-L-0202	ENVIRONMENTAL MASTERPLAN	P01
112001107 0/10 250 001111 5112 0202	CH. 10600 TO 12100	
	SHEET 2 OF 21	
	ENVIRONMENTAL STATEMENT	
HE551497-JAC-LDC-SCHW-DR-L-0203	ENVIRONMENTAL MASTERPLAN	P01
	CH. 12100 TO 13600	
	SHEET 3 OF 21	
	ENVIRONMENTAL STATEMENT	
HE551497-JAC-LDC-SCHW-DR-L-0204	ENVIRONMENTAL MASTERPLAN	P01
	CH. 13600 TO 15400	
	SHEET 4 OF 21	



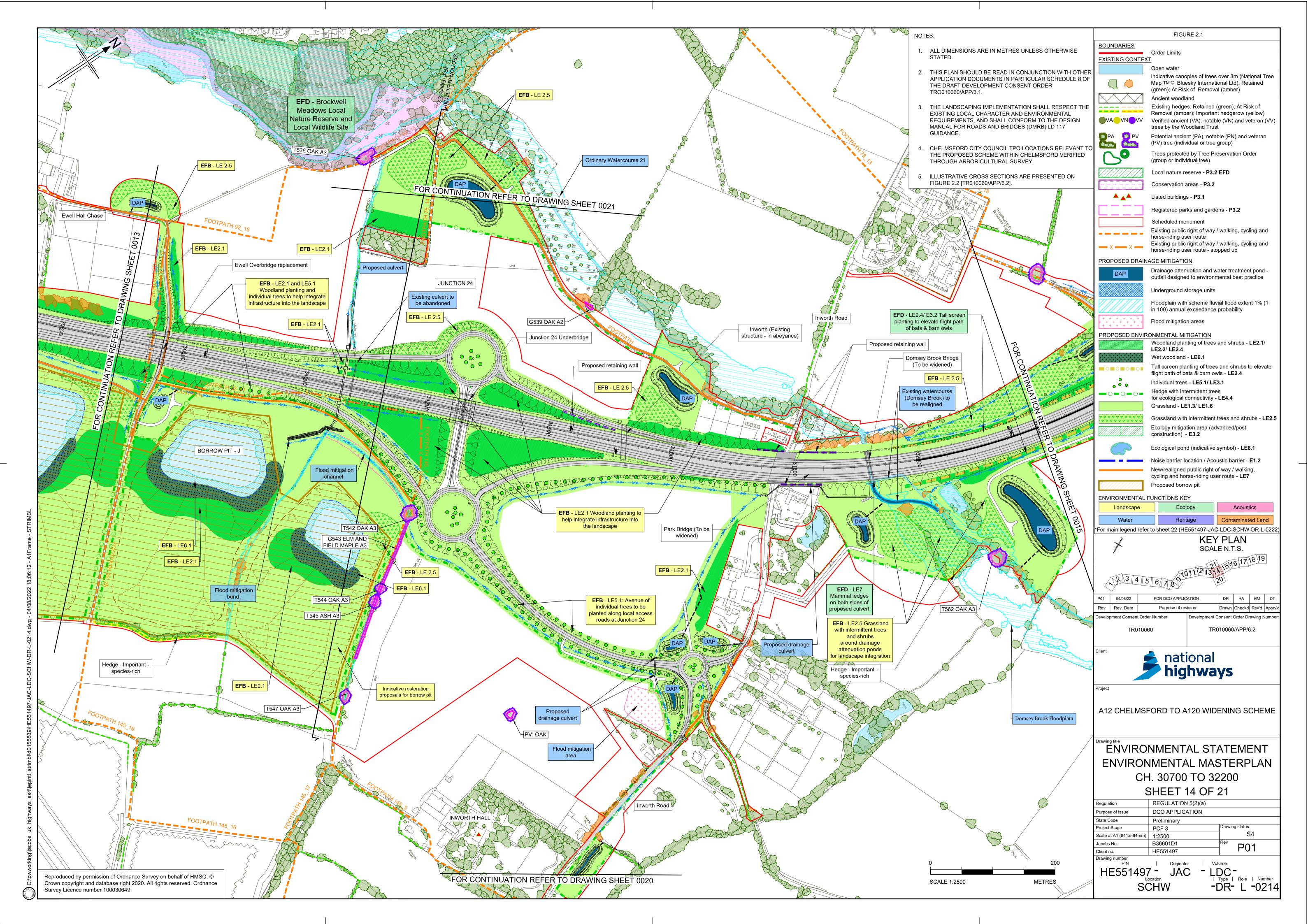
Drawing Number	Drawing Title	Revision
	ENVIRONMENTAL STATEMENT	
HE551497-JAC-LDC-SCHW-DR-L-0205	ENVIRONMENTAL MASTERPLAN	P01
112331437-3A0-2B0-331W-BR-2-0203	CH. 15400 TO 16800	
	SHEET 5 OF 21	
	ENVIRONMENTAL STATEMENT	
HE551497-JAC-LDC-SCHW-DR-L-0206	ENVIRONMENTAL MASTERPLAN	P01
TIESOTTO ONO EBO CONTO BIX E 0200	CH. 16800 TO 18300	
	SHEET 6 OF 21	
	ENVIRONMENTAL STATEMENT	
HE551497-JAC-LDC-SCHW-DR-L-0207	ENVIRONMENTAL MASTERPLAN	P01
112301437-3AO-2BO-3O11W-BIX-2-0207	CH. 18300 TO 19600/20000	
	SHEET 7 OF 21	
	ENVIRONMENTAL STATEMENT	
HE551497-JAC-LDC-SCHW-DR-L-0208	ENVIRONMENTAL MASTERPLAN	P01
	CH. 19600/20000 TO 21400 SHEET 8 OF 21	
PART 2		
	ENVIRONMENTAL STATEMENT	
HE551497-JAC-LDC-SCHW-DR-L-0209	ENVIRONMENTAL MASTERPLAN	P01
	CH. 21400 TO 22600	
	SHEET 9 OF 21	
	ENVIRONMENTAL STATEMENT	
HE551497-JAC-LDC-SCHW-DR-L-0210	ENVIRONMENTAL MASTERPLAN	P01
112301437-3AO-EDO-3O1199-DIN-E-0210	CH. 22600 TO 23900	
	SHEET 10 OF 21	

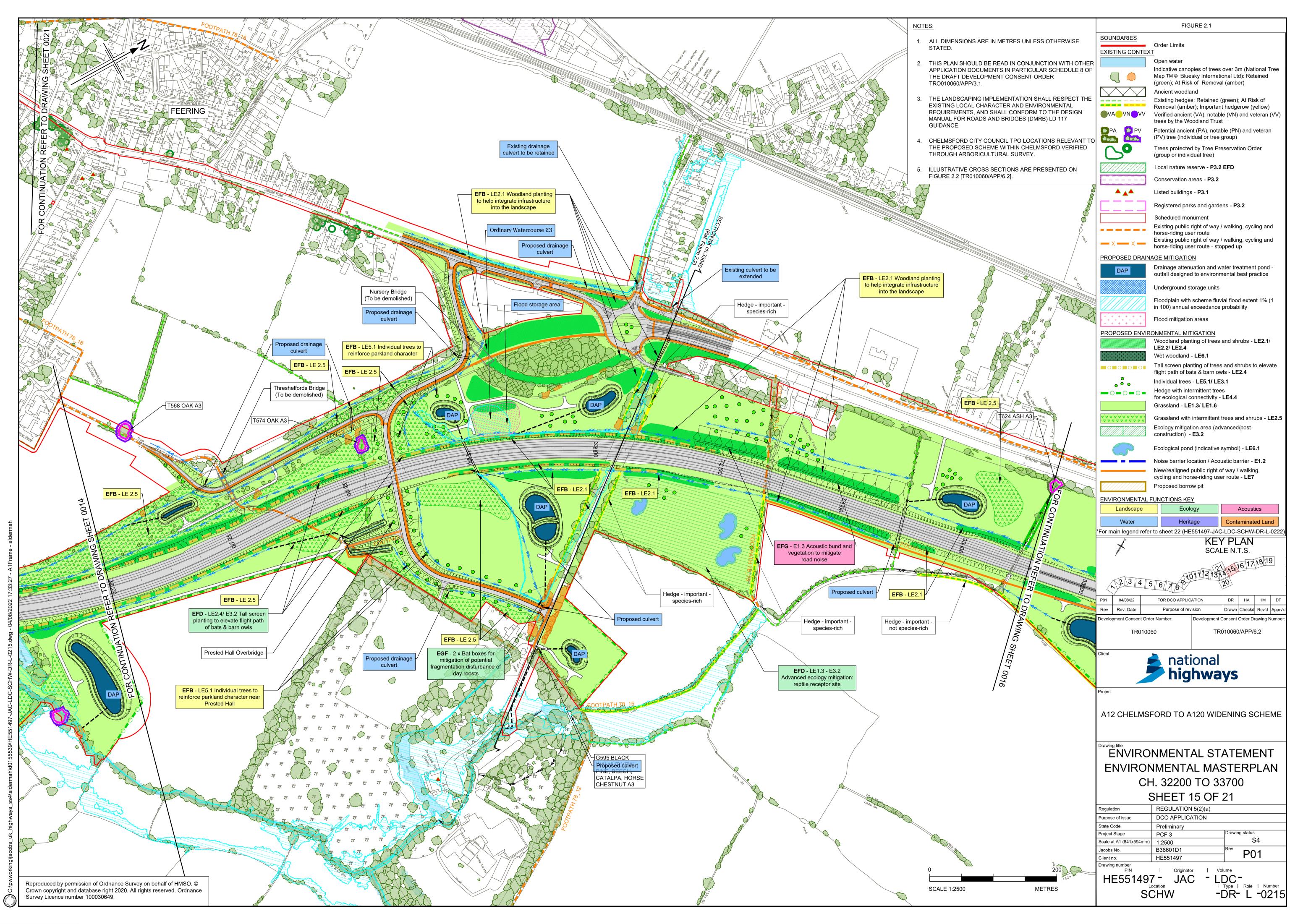


Drawing Number	Drawing Title	Revision
	ENVIRONMENTAL STATEMENT	
HE551497-JAC-LDC-SCHW-DR-L-0211	ENVIRONMENTAL MASTERPLAN	P01
TIESSTION SING EBS SSTIN BINE SETT	CH. 23900 TO 25100	
	SHEET 11 OF 21	
	ENVIRONMENTAL STATEMENT	
HE551497-JAC-LDC-SCHW-DR-L-0212	ENVIRONMENTAL MASTERPLAN	P01
TIESSTION SILE EBS SSTIN BILE SELE	CH. 25100 TO 26500	
	SHEET 12 OF 21	
HE551497-JAC-LDC-SCHW-DR-L-0213	ENVIRONMENTAL STATEMENT	
	ENVIRONMENTAL MASTERPLAN	P01
TIESS TION SING EBS SSINV BIX E SETS	CH. 26500 TO 30700	
	SHEET 13 OF 21	
PART 3		
	ENVIRONMENTAL STATEMENT	
HE551497-JAC-LDC-SCHW-DR-L-0214	ENVIRONMENTAL MASTERPLAN	P01
TIESSTION SING EBS SSINV BINE SETT	CH. 30700 TO 32200	
	SHEET 14 OF 21	
HE551497-JAC-LDC-SCHW-DR-L-0215	ENVIRONMENTAL STATEMENT	
	ENVIRONMENTAL MASTERPLAN	P01
	CH. 32200 TO 33700	
	SHEET 15 OF 21	
	ENVIRONMENTAL STATEMENT	
HE551497-JAC-LDC-SCHW-DR-L-0216	ENVIRONMENTAL MASTERPLAN	P01
11L331487-3AC-LDC-3CHVV-DR-L-0210	CH. 33700 TO 35200	
	SHEET 16 OF 21	

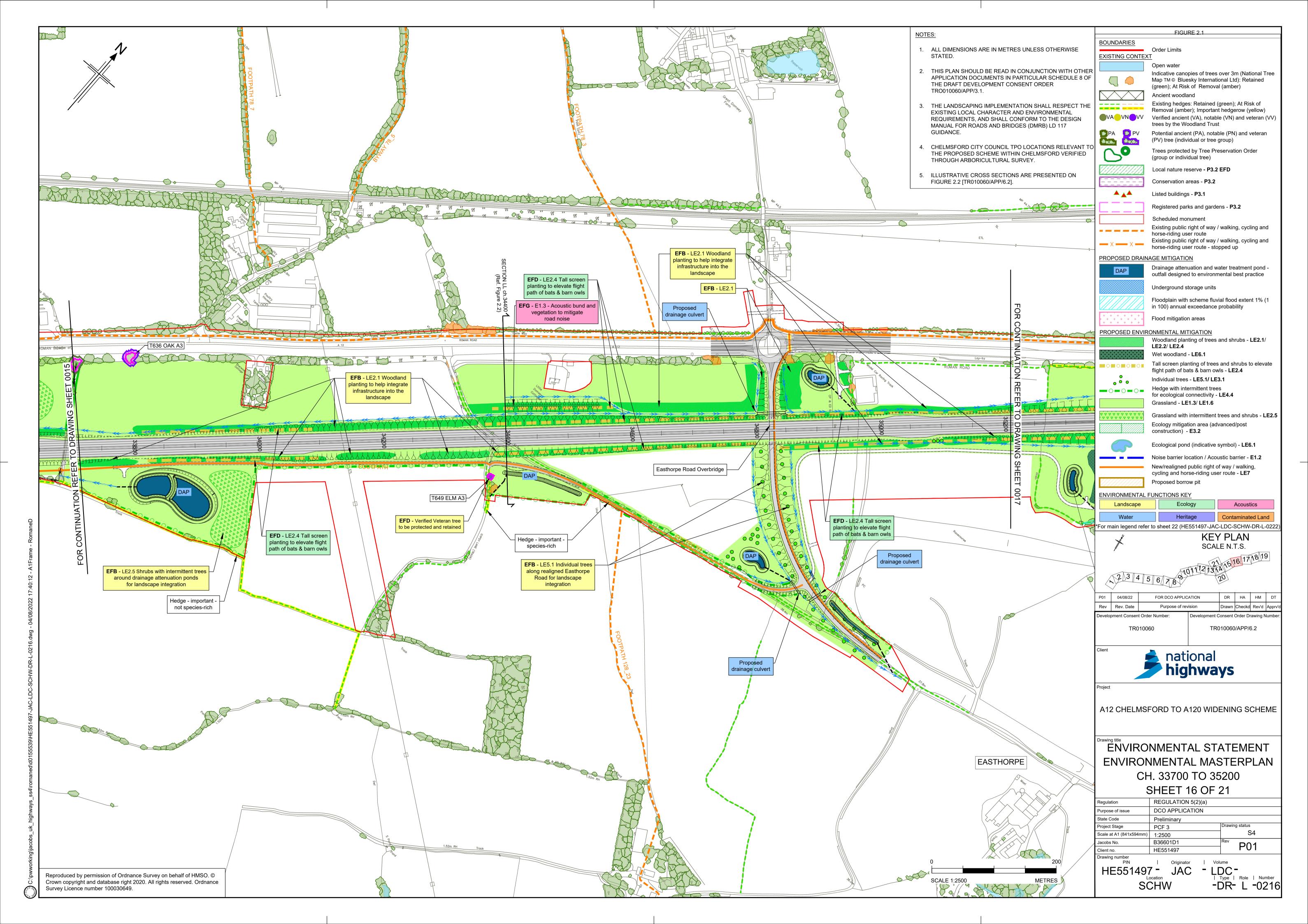


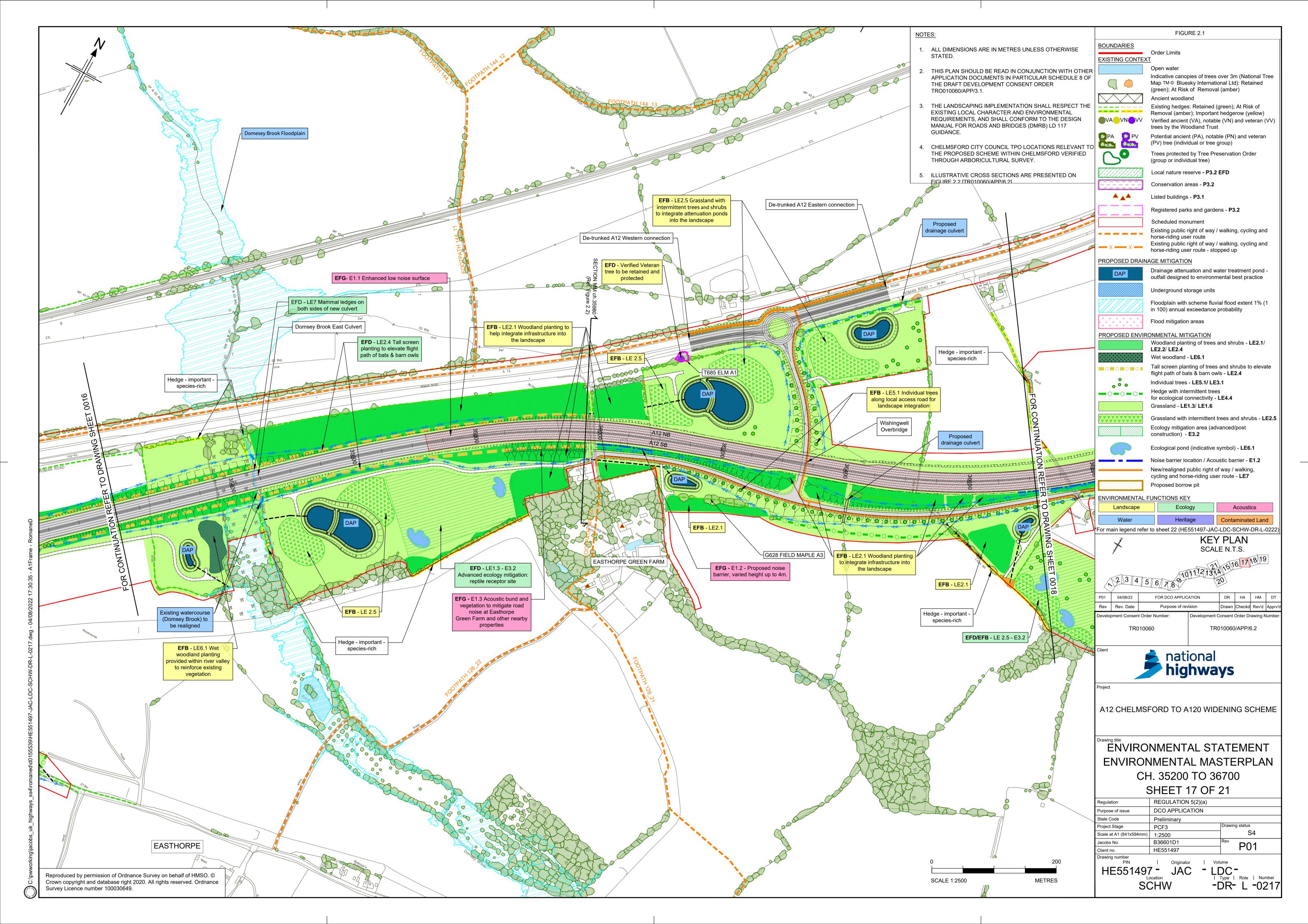
Drawing Number	Drawing Title	Revision
	ENVIRONMENTAL STATEMENT	
HE551497-JAC-LDC-SCHW-DR-L-0217	ENVIRONMENTAL MASTERPLAN	P01
	CH. 35200 TO 36700	
	SHEET 17 OF 21	
	ENVIRONMENTAL STATEMENT	
HE551497-JAC-LDC-SCHW-DR-L-0218	ENVIRONMENTAL MASTERPLAN	P01
ness1497-5AC-LDC-3CHW-DR-L-0216	CH. 36700 TO 38200	
	SHEET 18 OF 21	
	ENVIRONMENTAL STATEMENT	
LIESSAAOZ IAG L DO COLINA DD L 0040	ENVIRONMENTAL MASTERPLAN	P01
HE551497-JAC-LDC-SCHW-DR-L-0219	CH. 38200 TO 39355	
	SHEET 19 OF 21	
	ENVIRONMENTAL STATEMENT	
HE551497-JAC-LDC-SCHW-DR-L-0220	ENVIRONMENTAL MASTERPLAN	P01
11230 1 107 0 10 2D 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CH. 18300 TO 19600/20000 SHEET 20 OF 21	
	ENVIRONMENTAL STATEMENT	
HE551497-JAC-LDC-SCHW-DR-L-0221	ENVIRONMENTAL MASTERPLAN	P01
	CH. 16800 TO 18300	
	SHEET 21 OF 21	
	ENVIRONMENTAL STATEMENT	
HE551497-JAC-LDC-SCHW-DR-L-0222	ENVIRONMENTAL MASTERPLAN	P01
	LEGEND	

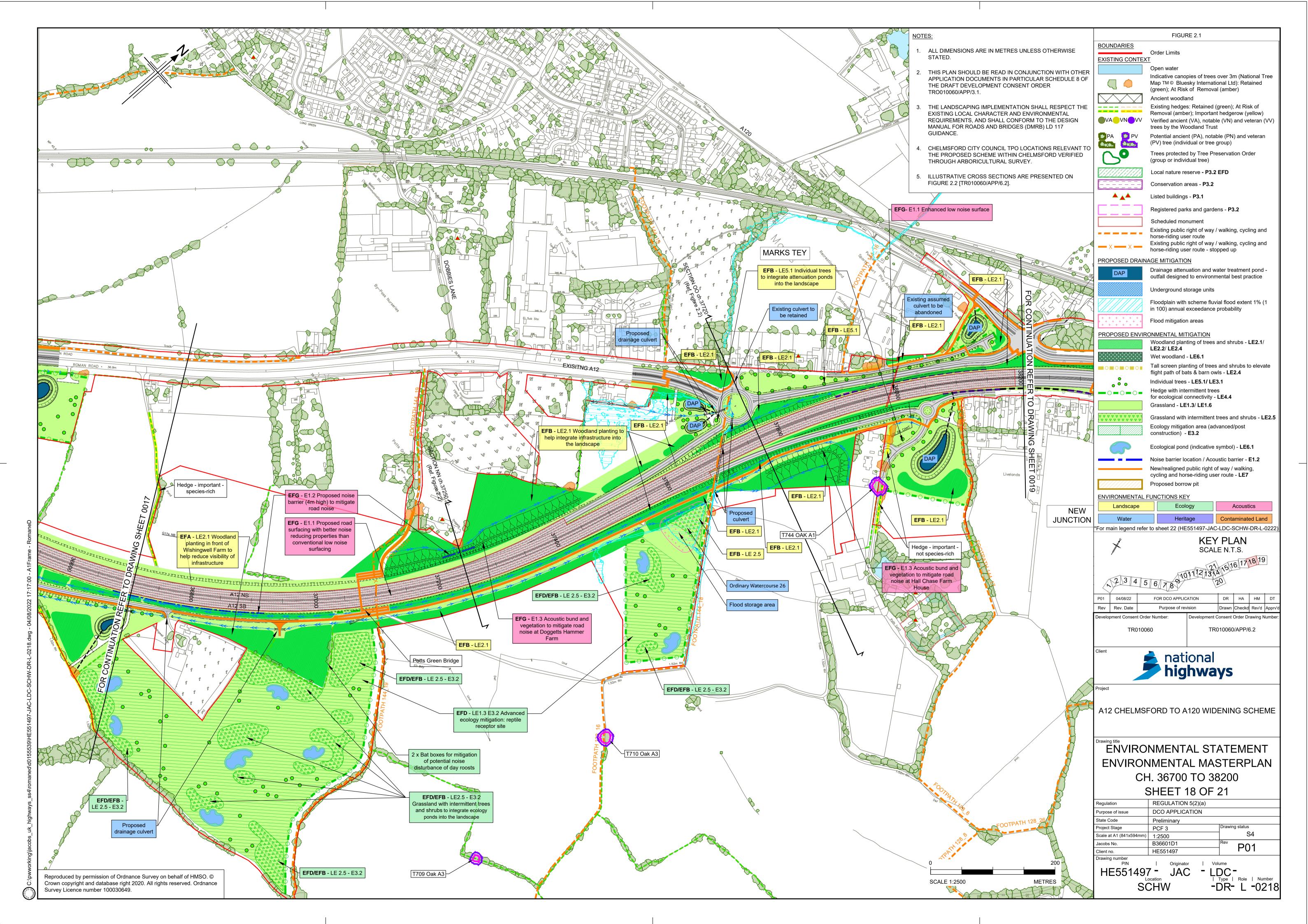


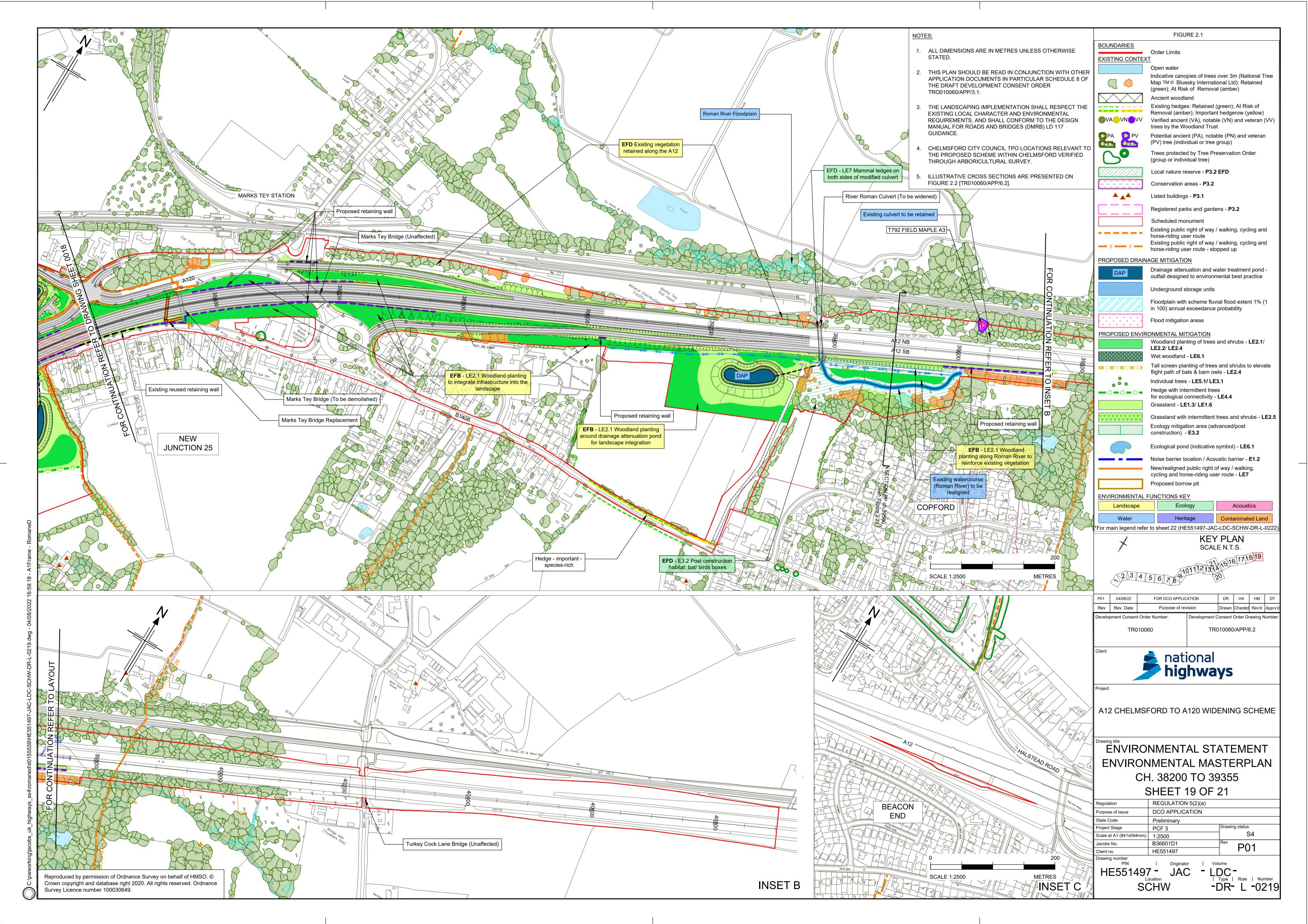


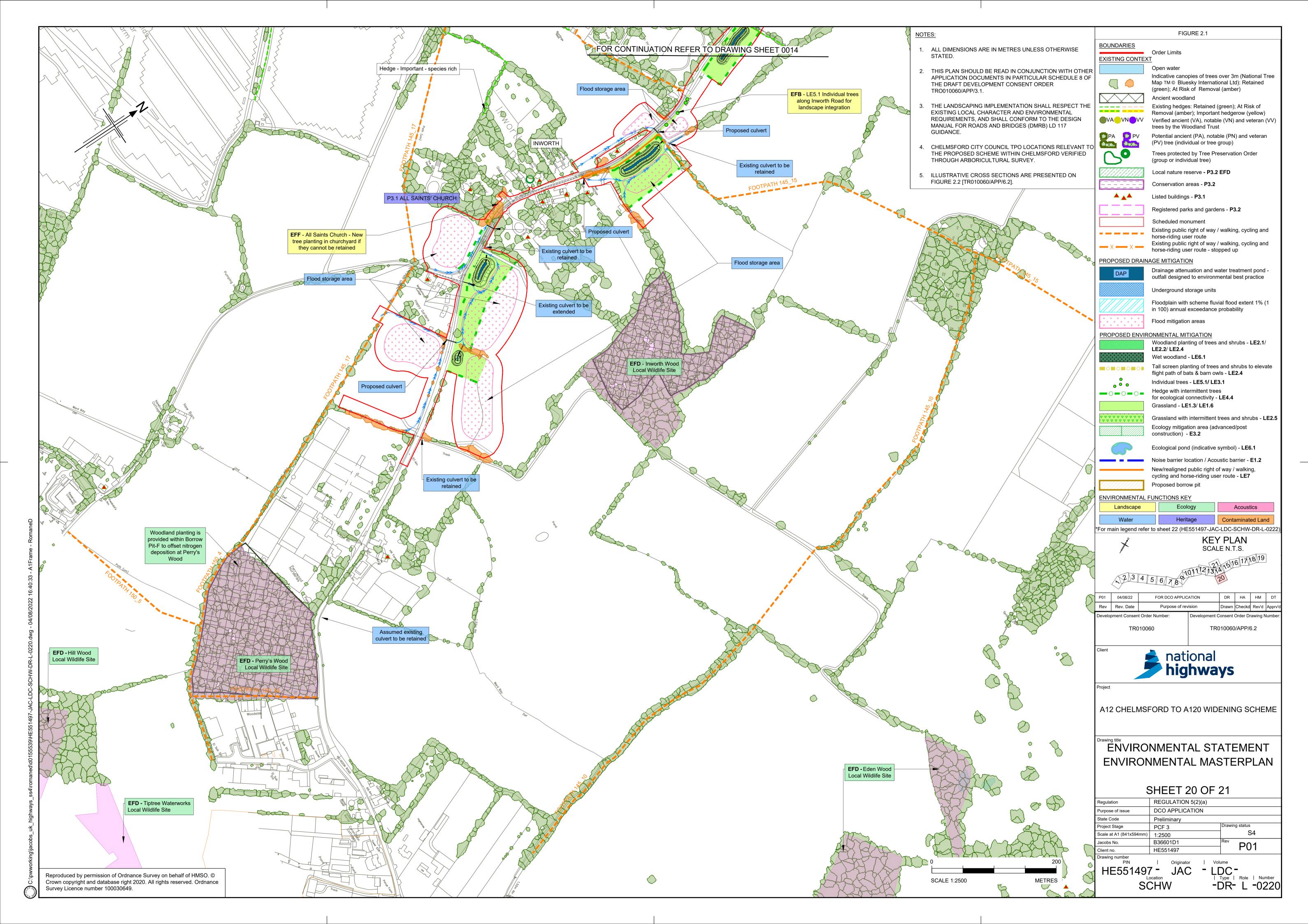
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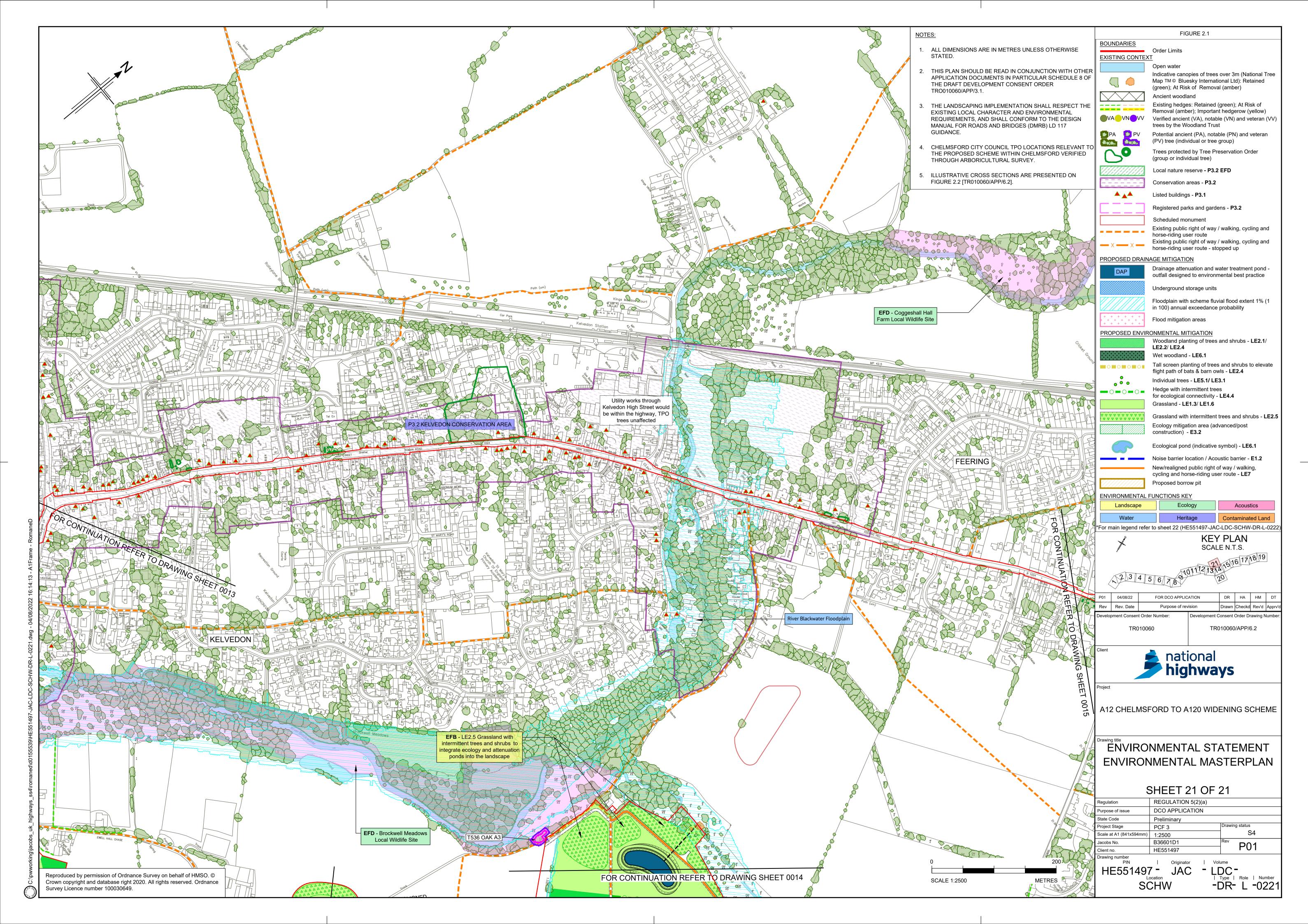












**LEGEND** 

ORDER LIMITS

PROPOSED CONTROLLED CROSSING PROPOSED UNCONTROLLED CROSSING PROPOSED TECHNOLOGY GANTRY

PROPOSED GANTRY MOUNTED DIRECTION SIGN

EXISTING PUBLIC RIGHT OF WAY / WALKING, CYCLING

AND HORSE-RIDING USER ROUTE - STOPPED UP

PROPOSED LIGHTING COLUMN

## **ENGINEERING & CONSTRUCTION**

PROPOSED CONSTANT CUTTING

PROPOSED CONSTANT EMBANKMENT

PROPOSED MITIGATION EARTHWORKS

PROPOSED MITIGATION EARTHWORKS

PROPOSED FOOTWAY / HARDSTANDING / ISLAND

PROPOSED CARRIAGEWAY/ ROAD

PROPOSED VERGE

NEW OR MODIFIED BRIDGE DECK

ENHANCED LOW NOISE SURFACE

EXISTING BRIDGE DECK

PROPOSED RETAINING WALL

EXISTING RETAINING WALL

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

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

EXISTING DITCH / MINOR WATERCOURSE (TO BE RETAINED)

EXISTING DITCH / MINOR WATERCOURSE (TO BE ABANDONED)

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

PROPOSED UNDERGROUND STORAGE UNITS

PROPOSED FLOOD MITIGATION AREAS

PROPOSED DRAINAGE OUTFALL PIPE

PROPOSED FLOOD BUNDS

### **ENVIRONMENT**

#### **EXISTING**

**OPEN WATER** 

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

(PV) TREE (INDIVIDUAL OR TREE GROUP)

POTENTIAL ANCIENT (PA), NOTABLE (PN) AND VETERAN

EXISTING TREES SURVEYED AS 'A-GRADE' CATEGORY

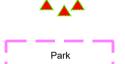
ANCIENT WOODLAND

CONSERVATION AREAS



LOCAL NATURE RESERVE

LOCAL WILDLIFE SITES



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



INDIVIDUAL TREES



HEDGE WITH INTERMITTENT TREES FOR ECOLOGICAL



GRASSLAND



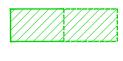
GRASSLAND WITH INTERMITTENT TREES AND SHRUBS



**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



RETAINING WALLS

**BORROW PIT** 

## DMRB: LD 117 LANDSCAPE DESIGN

### TABLE 4.2a ENVIRONMENTAL FUNCTION CODES

CODE DATASET EFA VISUAL SCREENING LANDSCAPE INTEGRATION EFB NATURE CONSERVATION AND BIODIVERSITY EFD 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

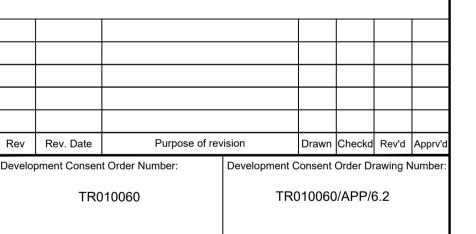
#### TABLE 4.2C ENVIRONMENTAL ELEMENTS CODES

**ECOLOGICAL PROTECTION MEASURES** 

DATASET NOISE BARRIER-BUILT ELEMENTS E1.3 NOISE-REDUCING EARTHWORKS E3.1 PROTECTED SPECIES

E3.2

- 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





A12 CHELMSFORD TO A120 WIDENING SCHEME

## **ENVIRONMENTAL STATEMENT ENVIRONMENTAL MASTERPLAN** LEGEND

egulation	REGULATION 5(2)(a)		
urpose of issue	DCO APPLICATION		
tate Code	Preliminary		
roject Stage	PCF3	Drawing status	
cale at A1 (841x594mm)		S4	
acobs No.	B36601D1	P01	
lient no.	HE551497		
rawing number			

SCHW