

A12 Chelmsford to A120 widening scheme

TR010060

**DEVELOPMENT CONSENT ORDER
CHANGE APPLICATION**

**Map Book 2: Anglian Water Pumping Station
(Bury Lane, Hatfield Peverel)
Part 1 of 1**

Infrastructure Planning (Examination Procedure)
Regulations 2010

May 2023

A12 Chelmsford to A120 widening scheme guide to map book

The six map books prepared for this Change Application contain selected plans of the proposed scheme under the following headings:

- Map Book 1: Junction 19 Slip Road
- Map Book 2: Anglian Water Pumping Station (Bury Lane, Hatfield Peverel)
- Map Book 3: Replacement Land, Witham
- Map Book 4: B1023 Flood Mitigation and Drainage
- Map Book 5: B1023 Roundabout
- Map Book 6: Junction 25

These selected plans show detail of the changes we are applying to make. If the change is accepted, all affected plans will be updated.

Please read these plans in conjunction with the documents submitted with the Change Application, which provides further information on the Change Application.

Each map book prepared for the Change Application shows the plans that have been updated to capture the proposed changes in that area. For example, Map Book 1 shows the changes around the junction 19 slip road and Map Book 6 shows the changes around junction 25.

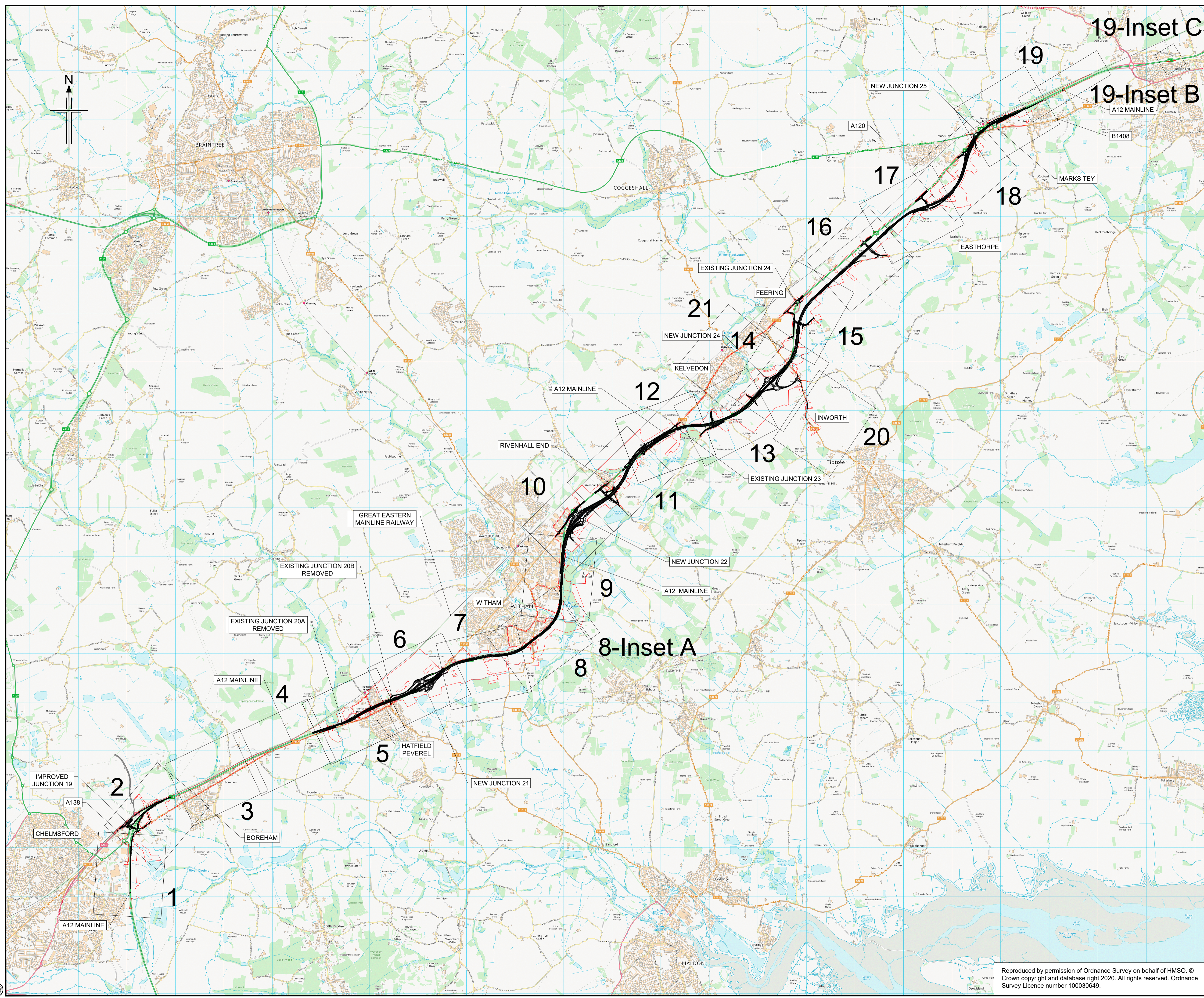
Map Book 2: Anglian Water Pumping Station (Bury Lane, Hatfield Peverel)

In the accepted Application the Applicant sought to compulsorily acquire land in this location to allow for ecological mitigation. The purpose of this ecological mitigation area is to provide habitat for reptiles. Part of this land comprises land that has been allocated for a small pumping station to be operated by Anglian Water Limited. This land will no longer be subject to compulsory or temporary acquisition powers and as such the ecological mitigation area will be reduced.

A list of plans that have been updated to show the detail of this change is included in the Schedule of Plans.

Drawing Number	Drawing Title	Revision
HE551497-JAC-LDC-SCHW-DR-C-0010	General Arrangement Plans Key Plan	P02
HE551497-JAC-LDC-SCHW-DR-C-0020	General Arrangement Plans Legend	P02
HE551497-JAC-LDC-SCHW-DR-C-0025	General Arrangement Plans Ch. 15200 to Ch. 16800 Sheet 5 of 21	P02
HE551497-ARD-LDC-SCHW-DR-X-0305	Land Plans Sheet 5 of 21	P03
HE551497-JAC-LDC-SCHW-DR-L-0205	Environmental Statement Environmental Masterplan Ch. 15200 to Ch. 16800 Sheet 5 of 21	P02

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- NOTES**
1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
 2. THIS PLAN SHOULD BE READ IN CONJUNCTION WITH OTHER PLAN APPLICATION DOCUMENTS IN PARTICULAR SCHEDULE 3 OF THE DEVELOPMENT CONSENT ORDER.

LEGEND

— ORDER LIMITS

Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
P01	01/08/22	DCO APPLICATION	AE	CC	CA	DT
P02	12/05/23	DCO CHANGE	AE	LH	RM	RM

Development Consent Order Number: TR010060
 Development Consent Order Drawing Number: TR010060/APP/2.9



Project: A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title: GENERAL ARRANGEMENT PLANS KEY PLAN




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)	NTS	Rev	P02
Jacobs No.	B36601D1		
Client no.	HE551497		

Drawing number: HE551497 - JAC - LDC - SCHW - DR - C -0010
 Originator: JAC
 Volume: LDC
 Location: SCHW
 Type: -DR-
 Role: C
 Number: 0010
















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LEGEND

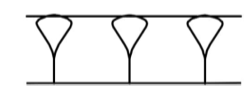



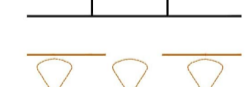

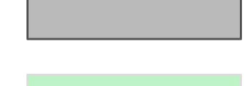
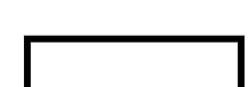




BOUNDARIES

-  ORDER LIMITS
-  ORDER LIMITS EXCLUSION ZONE
-  ADMINISTRATIVE BOUNDARY

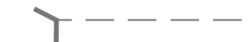













HIGHWAYS

-  NEW OR REALIGNED PUBLIC HIGHWAY/ ROAD
-  NEW OR REALIGNED MAINTENANCE ACCESS / PRIVATE MEANS OF ACCESS
-  EXISTING PUBLIC RIGHT OF WAY
-  EXISTING CYCLE TRACK
-  EXISTING PUBLIC RIGHT OF WAY - STOPPED UP
-  NEW FOOTPATH / BRIDLEWAY
-  PROPOSED CYCLE TRACK
-  PROPOSED FOOTWAY
-  NEW PERMISSIVE PATH
-  PROPOSED CONTROLLED CROSSING
-  PROPOSED UNCONTROLLED CROSSING
-  PROPOSED TECHNOLOGY GANTRY (CANTILEVER)
-  PROPOSED TECHNOLOGY GANTRY
-  PROPOSED GANTRY MOUNTED DIRECTION SIGN
-  PROPOSED LIGHTING COLUMN

ENGINEERING & CONSTRUCTION


-  PROPOSED CONSTANT CUTTING
-  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 (TO BE RETAINED)
-  EXISTING BRIDGE DECK (TO BE DEMOLISHED)
-  PROPOSED RETAINING WALL
-  EXISTING RETAINING WALL

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 (FILTER DRAIN IN SPATIAL CONSTRAINT AREA)
-  EXISTING DITCH / MINOR WATERCOURSE (TO BE RETAINED)
-  EXISTING DITCH / MINOR WATERCOURSE (TO BE REALIGNED)
-  EXISTING DITCH / MINOR WATERCOURSE (TO BE ABANDONED)
-  PROPOSED ATTENUATION POND (WITH OUTFALL CONNECTION)
-  PROPOSED UNDERGROUND STORAGE UNITS
-  PROPOSED FLOOD MITIGATION AREA
-  PROPOSED FLOOD BUND

ENVIRONMENT

EXISTING

-  EXISTING OPEN WATER
-  EXISTING TREES, HEDGES AND SHRUBS
-  EXISTING ANCIENT WOODLAND
-  EXISTING ANCIENT, NOBLE AND VETERAN TREES
-  EXISTING CONSERVATION AREAS
-  EXISTING LOCAL NATURE RESERVE
-  EXISTING LISTED BUILDINGS
-  EXISTING REGISTERED PARKS AND GARDENS
-  EXISTING SCHEDULED MONUMENT
-  EXISTING TREES PROTECTED BY TREE PRESERVATION ORDER (AREA OR INDIVIDUAL TREE)

PROPOSED

-  PROPOSED OPEN WATER
-  PROPOSED WOODLAND PLANTING OF TREES AND SHRUBS
-  PROPOSED WET WOODLAND
-  PROPOSED TALL SCREEN PLANTING TO ELEVATE FLIGHT PATH OF BATS & BARN OWLS
-  PROPOSED INDIVIDUAL TREES
-  PROPOSED HEDGE
-  PROPOSED HEDGE WITH INTERMITTENT TREES
-  PROPOSED GRASSLAND
-  PROPOSED INTERMITTENT TREES AND SHRUBS
-  PROPOSED ECOLOGY POND (INDICATIVE)
-  PROPOSED AQUATIC AND MARGINAL PLANTING (INDICATIVE)
-  PROPOSED ECOLOGY MITIGATION AREA / ECOLOGY PROTECTION MEASURES
-  PROPOSED NOISE BARRIER
-  PROPOSED REPLACEMENT LAND

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.

Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
P01	01/08/2022	DCO APPLICATION	AE	CC	CA	DT
P02	30/09/22	DCO APPLICATION	ES	CA	RM	RM

Development Consent Order Number:	Development Consent Order Drawing Number:
TR010060	TR010060/APP/2.9

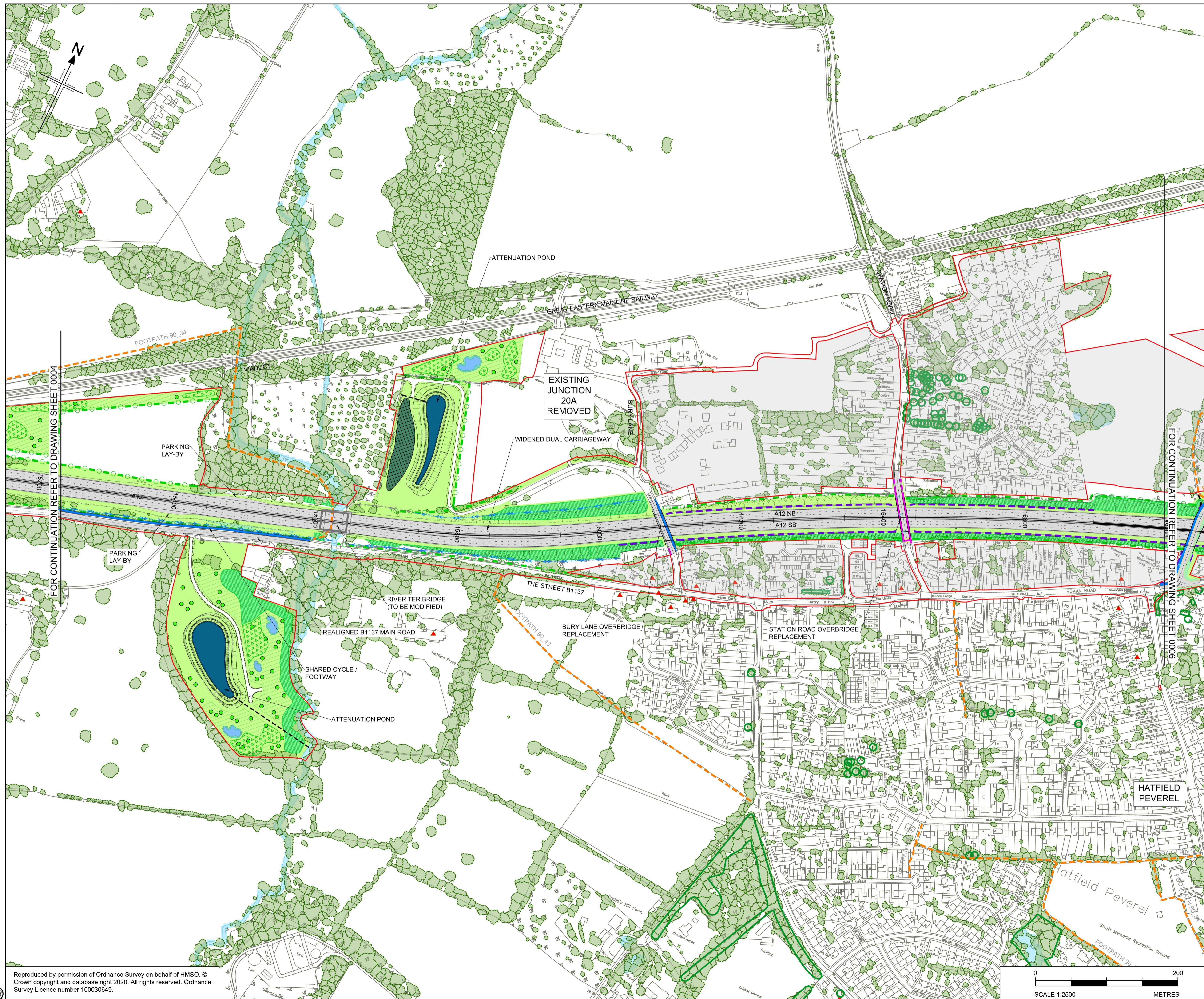


Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title
**GENERAL ARRANGEMENT
PLANS
LEGEND**

Regulation	REGULATION 5(2)(g)		
Purpose of issue	DCO APPLICATION		
State Code	Statutory Procedures and Powers		
Project Stage	PCF 4	Drawing status	
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Jacobs No.	B36601D1	Rev	P02
Client no.	HE551497		

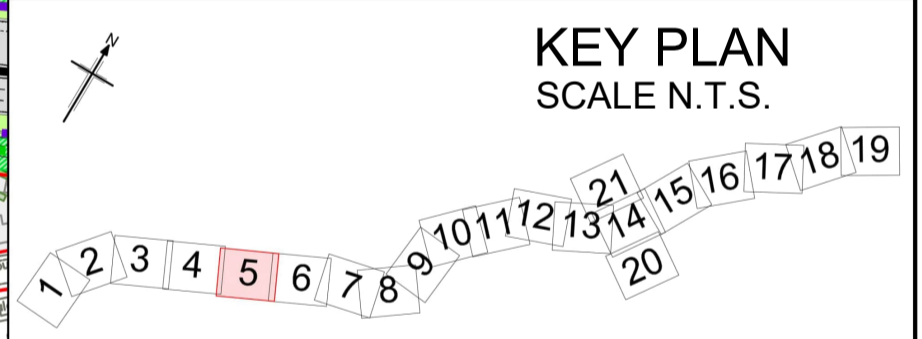
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HE551497 -	JAC	LDC -	
	SCHW	-DR-	C -0020



- NOTES
1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
 2. THIS PLAN SHOULD BE READ IN CONJUNCTION WITH THE GENERAL ARRANGEMENT PLANS, LEGEND AND OTHER APPLICATION DOCUMENTS IN PARTICULAR SCHEDULE 3 OF THE DEVELOPMENT CONSENT ORDER.
 3. THE BASE MAPPING IS BASED ON ORDNANCE SURVEY (O/S) DATA.

FOR CONTINUATION REFER TO DRAWING SHEET 0004

FOR CONTINUATION REFER TO DRAWING SHEET 0006



Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
P01	01/08/22	FINAL FOR DCO SUBMISSION	AE	CC	CA	DT
P02	04/04/23	DCO CHANGE	MB	LH	RM	RM

Development Consent Order Number: TR010060
 Development Consent Order Drawing Number: TR010060/APP/2.9



Client: national highways
 Project: A12 CHELMSFORD TO A120 WIDENING SCHEME
 Location: HATFIELD PEVEREL

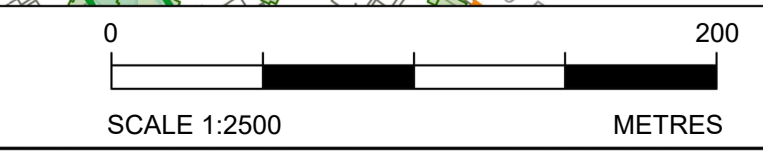
Drawing title: GENERAL ARRANGEMENT
 CH. 15200 TO 16800
 SHEET 5 OF 21

Regulation	REGULATION 113 & 114	
Purpose of issue	DCO EXAM	
State Code	Statutory Procedures and Powers	
Project Stage	PCF 4	Drawing status
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Jacobs No.	B36601D1	Rev
Client no.	HE551497	P02

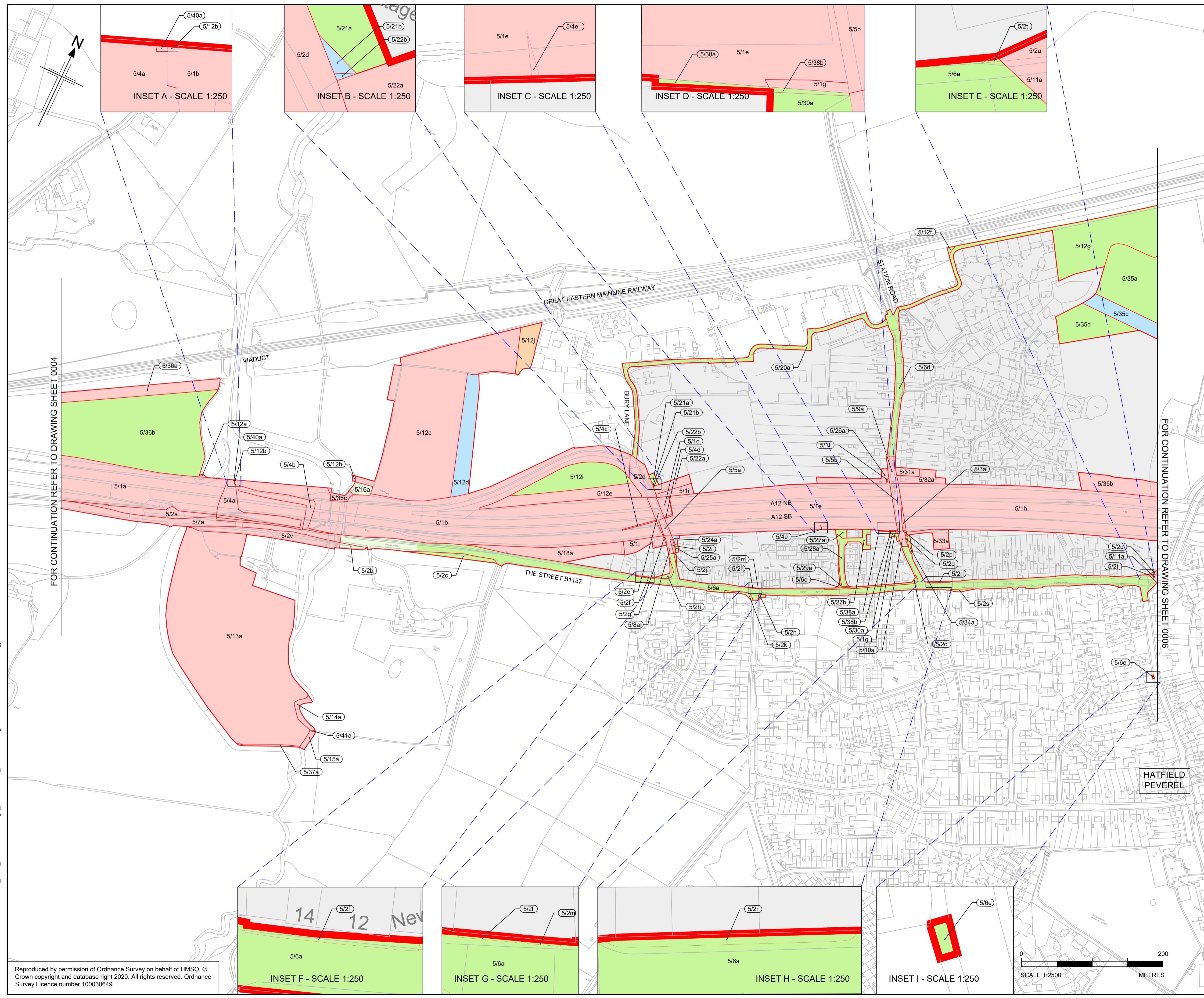
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 PIN | Originator | Volume | Type | Role | Number

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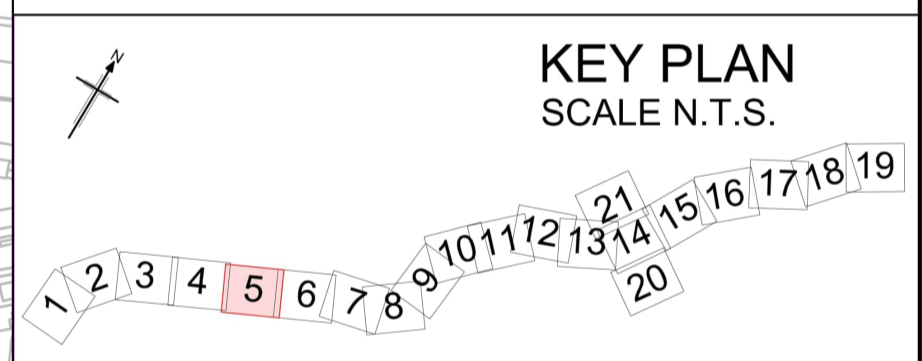


- NOTES**
1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE STATED.
 2. THE BASE MAPPING IS BASED ON ORDNANCE SURVEY (O/S) DATA.
 3. ALL EASEMENTS, SERVITUDES AND PRIVATE RIGHTS ARE PROPOSED TO BE EXTINGUISHED ON LAND THAT IS TO BE ACQUIRED UNLESS STATED OTHERWISE IN THE BOOK OF REFERENCE.
 4. THIS DRAWING IS TO READ IN CONJUNCTION WITH ALL OTHER PLANS AND DOCUMENTATION, IN PARTICULAR THE WORKS PLANS [TR010060/APP/2.2] AND BOOK OF REFERENCE [TR010060/APP/4.3]

- LEGEND**
- ORDER LIMITS
 - PERMANENT ACQUISITION OF ALL INTERESTS IN LAND
 - LAND TO BE USED TEMPORARILY
 - LAND TO BE USED TEMPORARILY AND NEW RIGHTS TO BE ACQUIRED PERMANENTLY
 - PERMANENT ACQUISITION OF ALL INTERESTS IN THE AIRSPACE OVER LAND
 - PERMANENT ACQUISITION OF ALL INTERESTS IN THE SUBSOIL
 - LAND NOT SUBJECT TO POWERS OF COMPULSORY ACQUISITION OR TEMPORARY POSSESSION
 - LAND NOT SUBJECT TO POWERS IN THE ORDER
 - XX/XX PLOT NUMBERS
 - ADMINISTRATIVE BOUNDARY
 - PARISH BOUNDARIES

FOR CONTINUATION REFER TO DRAWING SHEET 0004

FOR CONTINUATION REFER TO DRAWING SHEET 0006



Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Appr'd
P03	31/03/2023	DCO CHANGE	GJ	CC	KC	ND
P02	28/03/2023	DEADLINE 4	GJ	CC	KC	ND
P01	20/07/2022	FINAL FOR DCO SUBMISSION	GJ	CC	KC	ND

Development Consent Order Number:	Development Consent Order Drawing Number:
TR010060	TR010060/APP/2.7



Project: A12 CHELMSFORD TO A120 WIDENING SCHEME

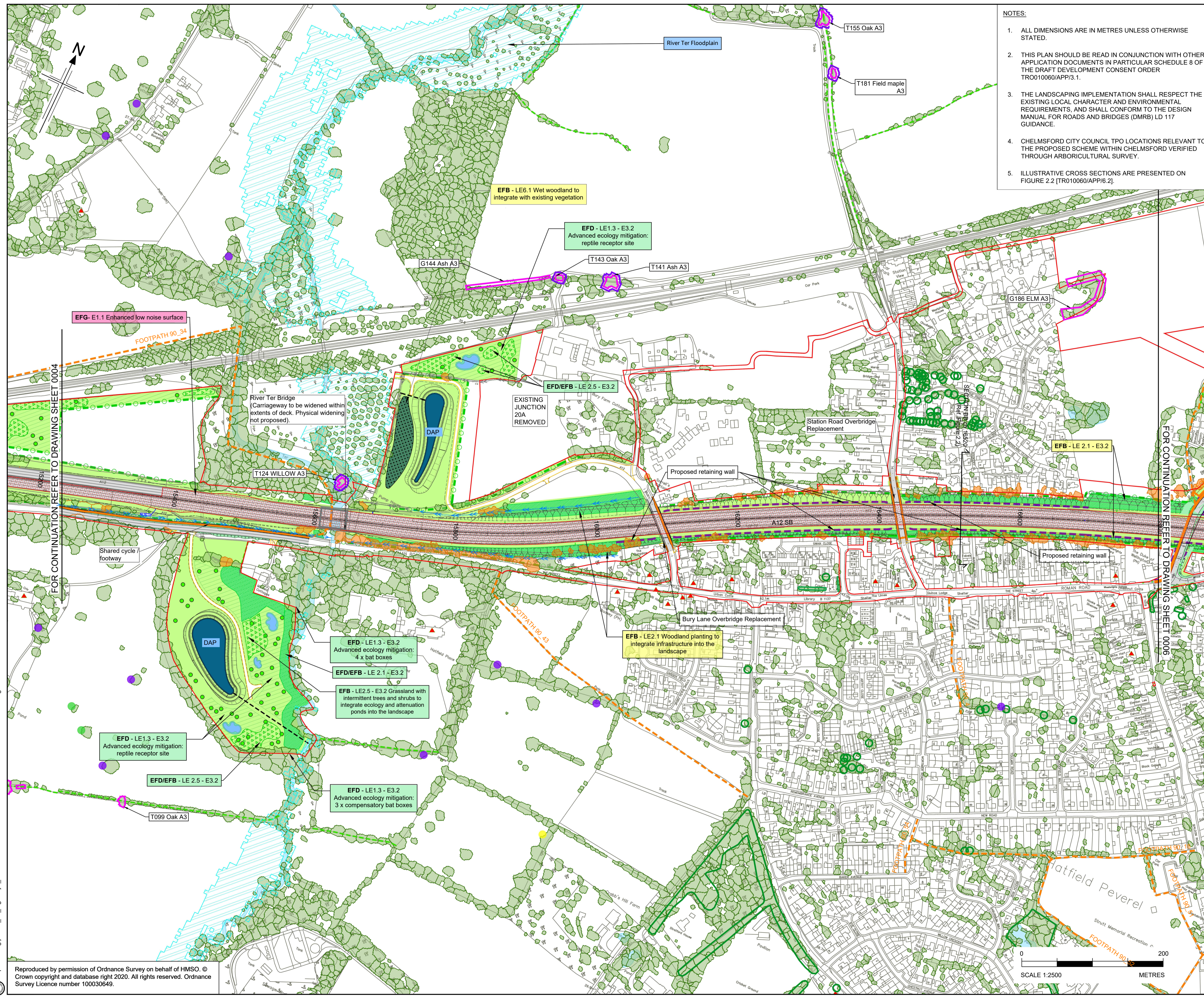
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Regulation	REGULATION 113 & 114
Purpose of issue	DCO EXAM
State Code	Statutory Powers and Procedures
Project Stage	PCF4
Scale at A1 (841x594mm)	1:2500
Jacobs No.	B36601D1
Client no.	HE551497

Drawing number	PIN	Originator	Volume
HE551497	-	ARD	-
Location	Type	Role	Number
SCHW	-DR-	X	-0305



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- 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 8 OF THE DRAFT DEVELOPMENT CONSENT ORDER TRO10060/APP/3.1.
 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 [TRO10060/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); Potentially important hedgerow (purple)
- 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 - P3.2 EFD
- Conservation areas - P3.2
- Listed buildings - P3.1
- Registered parks and gardens - P3.2
- 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

- DAP: 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

Landscaping	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.

P01	04/08/22	FOR DCO APPLICATION	DR	HA	HM	DT
P02	04/04/23	DCO CHANGE	DR	HA	HB	RM
Rev.	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Appn'd
Development Consent Order Number: TRO10060			Development Consent Order Drawing Number: TRO10060/APP/6.2			

national highways

A12 CHELMSFORD TO A120 WIDENING SCHEME

ENVIRONMENTAL STATEMENT
ENVIRONMENTAL MASTERPLAN
CH. 15400 TO 16800
SHEET 5 OF 21

Regulation	REGULATION 113 & 114
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
SCHW	-DR- L -0205

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