

A12 Chelmsford to A120 widening scheme

TR010060

**DEVELOPMENT CONSENT ORDER
CHANGE APPLICATION**

**Map Book 4: B1023 Flood Mitigation and
Drainage
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 4: B1023 Flood Mitigation and Drainage

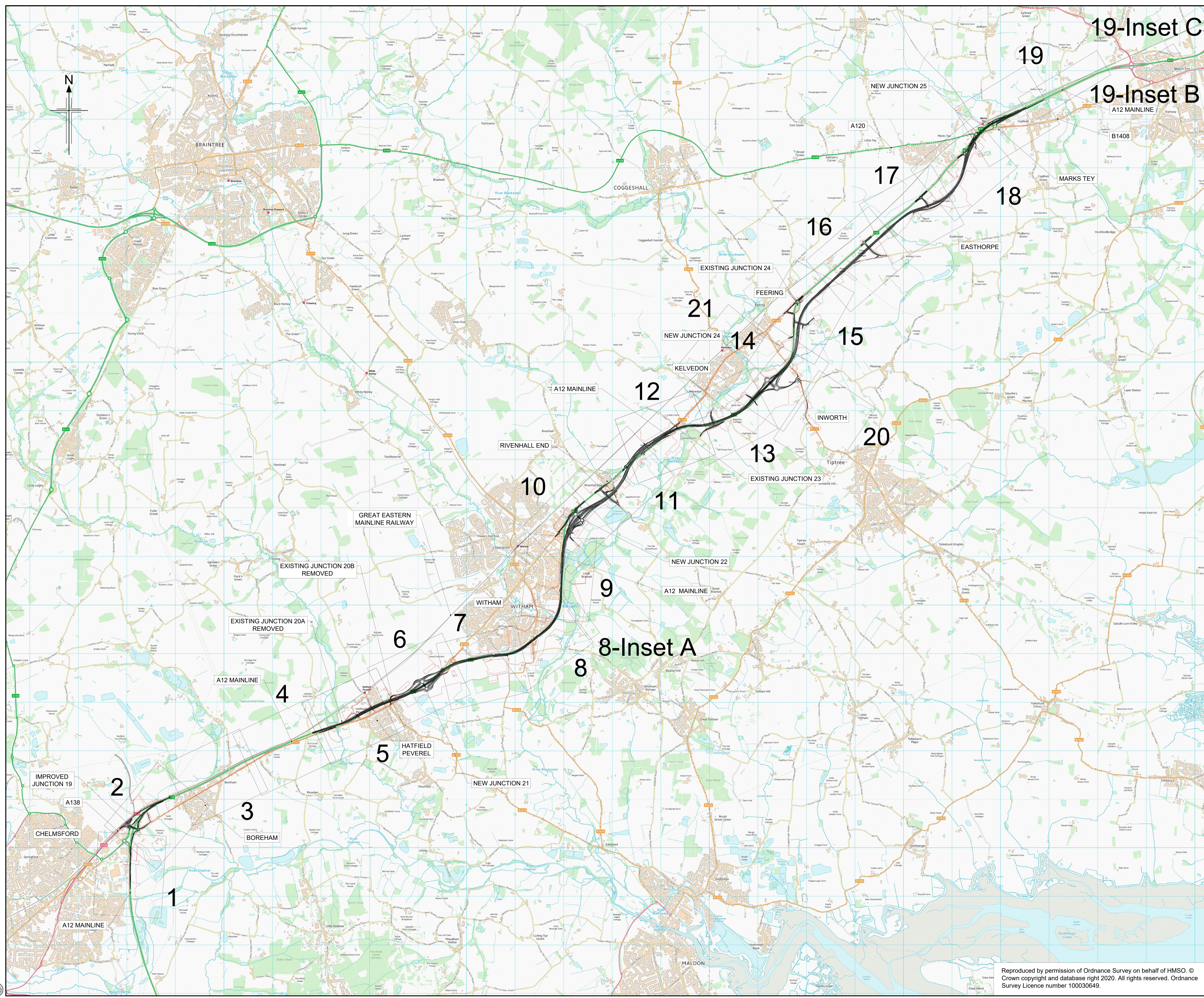
As a result of additional information available to the project such as site surveys and investigations, it is now proposed to reduce the amount of flood compensation and attenuation pond works alongside the B1023. As a result of the new design, there has been a reduction in the number of drainage ponds from four down to two. Further the number of flood mitigation areas has reduced from seven down to four, and of those four two have also reduced in size.

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 |
|---------------------------------|---|----------|
| PART 1 | | |
| 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-0034 | General Arrangement Plans Ch. 30700 to Ch. 32200 Sheet 14 of 21 | P03 |
| HE551497-JAC-LDC-SCHW-DR-C-0040 | General Arrangement Plans Ch. 18300 to Ch. 19600/20000 Sheet 20 of 21 | P02 |
| HE551497-JAC-LDC-SCHW-DR-C-0922 | DCO Works Plans Legend | P03 |
| HE551497-JAC-LDC-SCHW-DR-C-0914 | DCO Works Plans – Permanent Works Sheet 14 of 21 | P03 |
| HE551497-JAC-LDC-SCHW-DR-C-0920 | DCO Works Plans – Permanent Works Sheet 20 of 21 | P02 |
| HE551497-ARD-LDC-SCHW-DR-X-0314 | Land Plans Sheet 14 of 21 | P03 |
| HE551497-ARD-LDC-SCHW-DR-X-0320 | Land Plans Sheet 20 of 21 | P03 |
| HE551497-JAC-LDC-SCHW-DR-C-0114 | Traffic Regulation Measures Speed Limits Sheet 14 of 21 | P03 |
| HE551497-JAC-LDC-SCHW-DR-C-0214 | Traffic Regulation Measures Movement Restrictions Sheet 14 of 21 | P03 |
| HE551497-JAC-LDC-SCHW-DR-C-0314 | Revocation of Existing Traffic Orders Sheet 14 of 21 | P03 |
| HE551497-JAC-LDC-SCHW-DR-C-0614 | Classification of Roads Plans Sheet 14 of 21 | P03 |
| HE551497-JAC-LDC-SCHW-DR-C-0514 | Streets, Rights of Way and Access Plans Sheet 14 of 21 | P07 |
| HE551497-JAC-LDC-SCHW-DR-C-0520 | Streets, Rights of Way and Access Plans Sheet 20 of 21 | P04 |

| Drawing Number | Drawing Title | Revision |
|---------------------------------|--|----------|
| HE551497-JAC-LDC-SCHW-DR-D-0814 | Drainage and Surface Water Plans Sheet 14 of 21 | P03 |
| HE551497-JAC-LDC-SCHW-DR-D-0820 | Drainage and Surface Water Plans Sheet 20 of 21 | P02 |
| HE551497-JAC-LDC-SCHW-DR-L-0120 | Retained and Removed Vegetation Plans Ch. 18300 to Ch. 19600/20000 Sheet 20 of 21 | P03 |
| HE551497-JAC-LDC-SCHW-DR-L-0220 | Environmental Statement Environmental Masterplan Ch. 18300 to Ch. 19600/20000 Sheet 20 of 21 | P03 |

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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

| | | | | | | |
|-----|-----------|---------------------|-------|---------|-------|--------|
| P01 | 01/08/22 | DCO APPLICATION | AE | CC | CA | DT |
| P02 | 12/05/23 | DCO CHANGE | AE | LH | RM | 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/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 | Originator | JAC |
| Volume | -DR- C -0010 | Location | SCHW |

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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

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

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

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

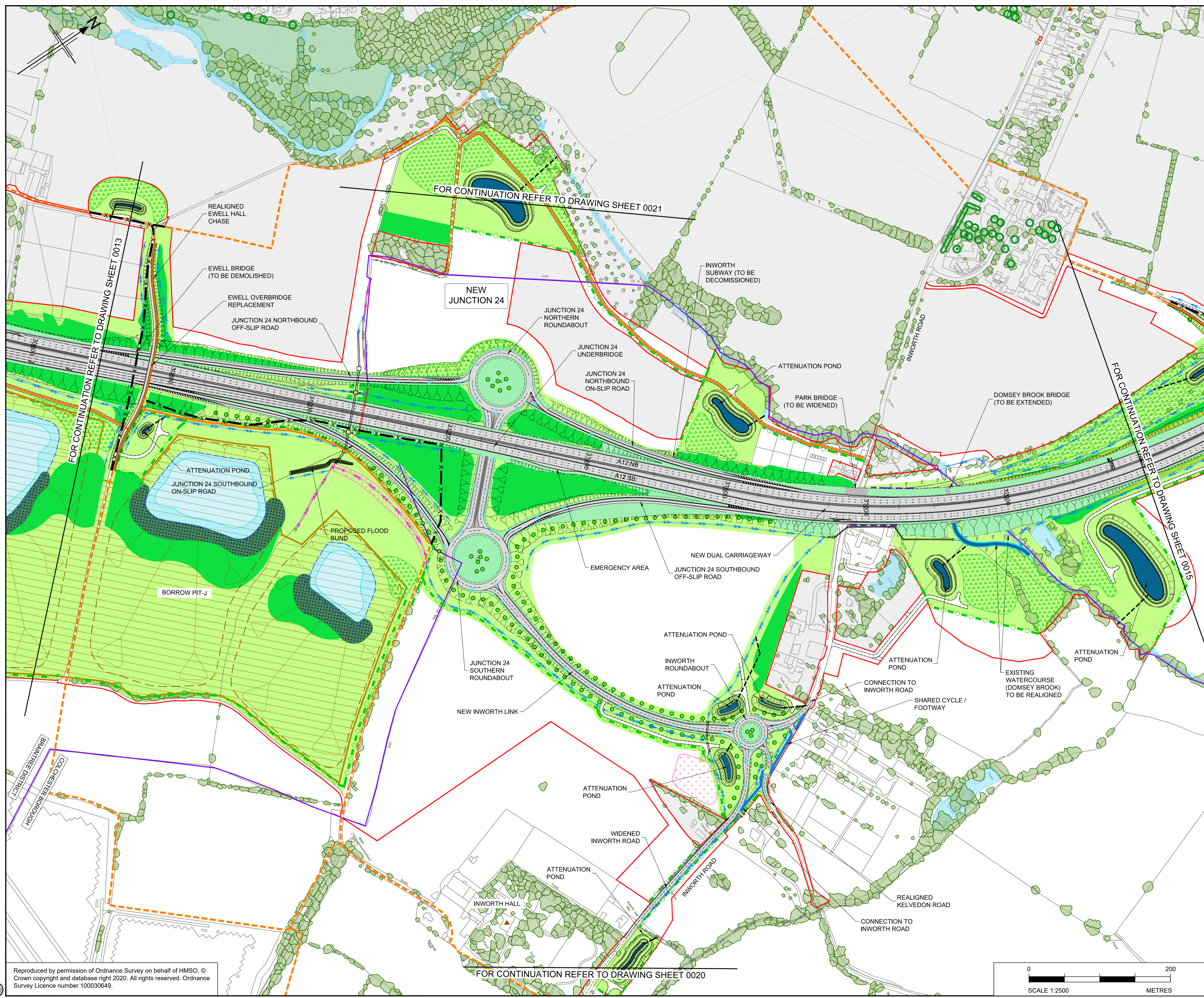


Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

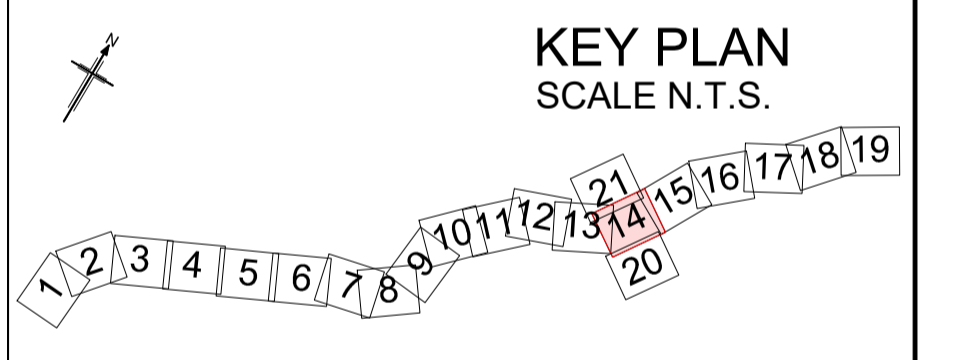
Drawing title
**GENERAL ARRANGEMENT
PLANS
LEGEND**

| | | |
|-------------------------|---------------------------------|----------------|
| Regulation | REGULATION 5(2)(g) | |
| Purpose of issue | DCO APPLICATION | |
| State Code | Statutory Procedures and Powers | |
| Project Stage | PCF 4 | Drawing status |
| Scale at A1 (841x594mm) | NTS | S4 |
| Jacobs No. | B36601D1 | Rev |
| Client no. | HE551497 | P02 |

| | | | |
|----------------|------|------------|--------|
| Drawing number | PIN | Originator | Volume |
| 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.



| Rev | Rev. Date | Purpose of revision | Drawn | Checked | Rev'd | Apprv'd |
|-----|-----------|--------------------------|-------|---------|-------|---------|
| P01 | 02/08/22 | FINAL FOR DCO SUBMISSION | AE | CC | CA | DT |
| P02 | 04/04/23 | DCO CHANGE | MB | LH | RM | RM |
| P03 | 25/05/23 | DCO CHANGE | AE | LH | RM | RM |

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

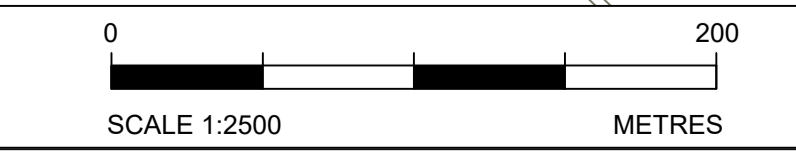


Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title
**GENERAL ARRANGEMENT
 CH. 30700 TO 32200
 SHEET 14 OF 21**

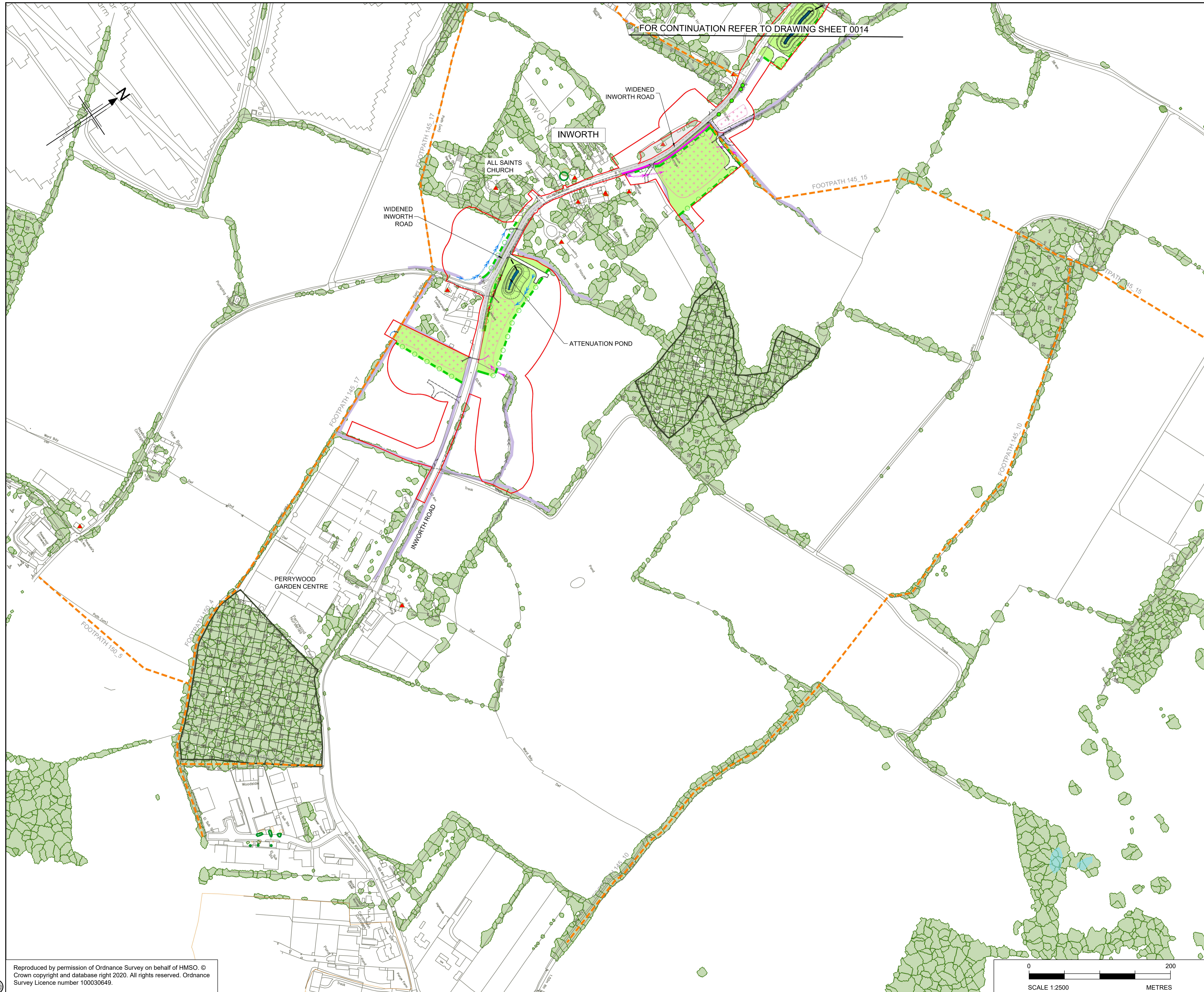
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|-------------------------|---------------------------------|----------------|--|
| Regulation | REGULATION 8(1)(k) | | |
| Purpose of issue | DCO EXAM | | |
| State Code | Statutory Procedures and Powers | | |
| Project Stage | PCF 4 | Drawing status | |
| Scale at A1 (841x594mm) | 1:2500 | S4 | |
| Jacobs No. | B36601D1 | Rev | |
| Client no. | HE551497 | P03 | |

Drawing number
 PIN | Originator | Volume
HE551497 - JAC - LDC -
 Location | Type | Role | Number
SCHW -DR- C -0034



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FOR CONTINUATION REFER TO DRAWING SHEET 0014

- NOTES
1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
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 3. THE BASE MAPPING IS BASED ON ORDNANCE SURVEY (O/S) DATA.

KEY PLAN
SCALE N.T.S.

| Rev | Rev. Date | Purpose of revision | Drawn | Checked | Rev'd | Apprv'd |
|-----|-----------|--------------------------|-------|---------|-------|---------|
| P01 | 02/08/22 | 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



Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title
GENERAL ARRANGEMENT
SHEET 20 OF 21

























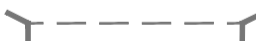




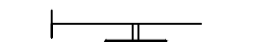
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|-------------------------|---------------------------------|----------------|
| Regulation | REGULATION 113 & 114 | |
| Purpose of issue | DCO EXAM | |
| State Code | Statutory Procedures and Powers | |
| Project Stage | PCF 4 | Drawing status |
| Scale at A1 (841x594mm) | 1:2500 | S4 |
| Jacobs No. | B36601D1 | Rev |
| Client no. | HE551497 | P02 |

Drawing number
PIN | Originator | Volume
HE551497 - JAC - LDC -
Location | Type | Role | Number
SCHW -DR- C -0040



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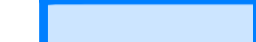
LEGEND (PERMANENT WORKS)

-  ORDER LIMITS
-  ORDER LIMITS EXCLUSION ZONE
-  ADMINISTRATIVE BOUNDARY
-  WORK CENTERLINE
-  COMMENCEMENT OF LINEAR WORKS
-  TERMINATION OF LINEAR WORKS
-  ROUNDABOUT WORKS - COMMENCEMENT AND TERMINATION POINT
-  ATTENUATION POND
-  PROPOSED ATTENUATION POND OUTFALL CONNECTION
-  PROPOSED RETAINING WALL
-  EXISTING RETAINING WALL
-  LIMITS OF DEVIATION OF FLOOD MITIGATION AREA
-  LIMITS OF DEVIATION FOR PERMANENT WORKS
-  BORROW PITS - RESTORATION WORKS
-  PROPOSED CUT-OFF DITCH
-  EXISTING DITCH / MINOR WATERCOURSE (TO BE RETAINED)
-  EXISTING DITCH / MINOR WATERCOURSE (TO BE REALIGNED)
-  EXISTING DITCH / MINOR WATERCOURSE (TO BE ABANDONED)
-  NEW OR MODIFIED BRIDGE DECK
-  EXISTING BRIDGE DECK
-  NEW FOOTPATH / BRIDLEWAY
-  EXISTING PUBLIC RIGHT OF WAY
-  NEW STANDALONE CYCLE TRACK
-  EXISTING CULVERT (TO BE RETAINED)
-  PROPOSED CULVERT - MINOR WATERCOURSE
-  EXISTING CULVERT (TO BE EXTENDED)
-  EXISTING CULVERT (TO BE ABANDONED)
-  PRIVATE MEANS OF ACCESS
-  PROPOSED TECHNOLOGY GANTRY (CANTILEVER)
-  PROPOSED TECHNOLOGY GANTRY

LEGEND (TEMPORARY WORKS)

-  ORDER LIMITS
-  ORDER LIMITS EXCLUSION ZONE
-  ADMINISTRATIVE BOUNDARY
-  MAIN COMPOUNDS
-  SATELLITE COMPOUNDS
-  TRAFFIC MANAGEMENT RECOVERY AREA
-  TEMPORARY CAR PARK
-  BORROW PIT - EXCAVATION WORKS
-  HAUL ROADS
-  TEMPORARY ROADS
-  LIMITS OF DEVIATION - TEMPORARY WORKS
-  TEMPORARY BRIDGE
-  TEMPORARY OFFICE FOR THIRD PARTY
-  TEMPORARY PRIVATE MEANS OF ACCESS
-  TEMPORARY GAS CROSSING
-  LIMITS OF DEVIATION SEPARATION

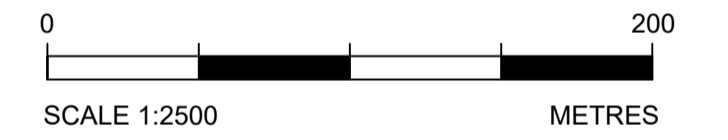
LEGEND (UTILITY DIVERSIONS)

-  ORDER LIMITS
-  ORDER LIMITS EXCLUSION ZONE
-  ADMINISTRATIVE BOUNDARY
-  SINGLE UTILITY
-  MULTIPLE UTILITIES
-  LIMITS OF DEVIATION - UTILITIES

NOTES

THIS WORKS PLANS LEGEND SHOULD BE READ IN CONJUNCTION WITH:

1. THE LOCATION KEY PLAN.
2. THE WORKS PLANS DRAWINGS.



| P01 | 01/08/22 | FINAL FOR DCO SUBMISSION | ES | WD | CA | DT |
|-----|-----------|--------------------------|-------|---------|-------|---------|
| P02 | 26/09/22 | POST-DCO ACCEPTANCE | RK | CA | RM | RM |
| P03 | 30/09/22 | POST-DCO ACCEPTANCE | ES | CA | RM | RM |
| Rev | Rev. Date | Purpose of revision | Drawn | Checked | Rev'd | Apprv'd |

| | |
|-----------------------------------|---|
| Development Consent Order Number: | Development Consent Order Drawing Number: |
| TR010060 | TR010060/APP/2.2 |

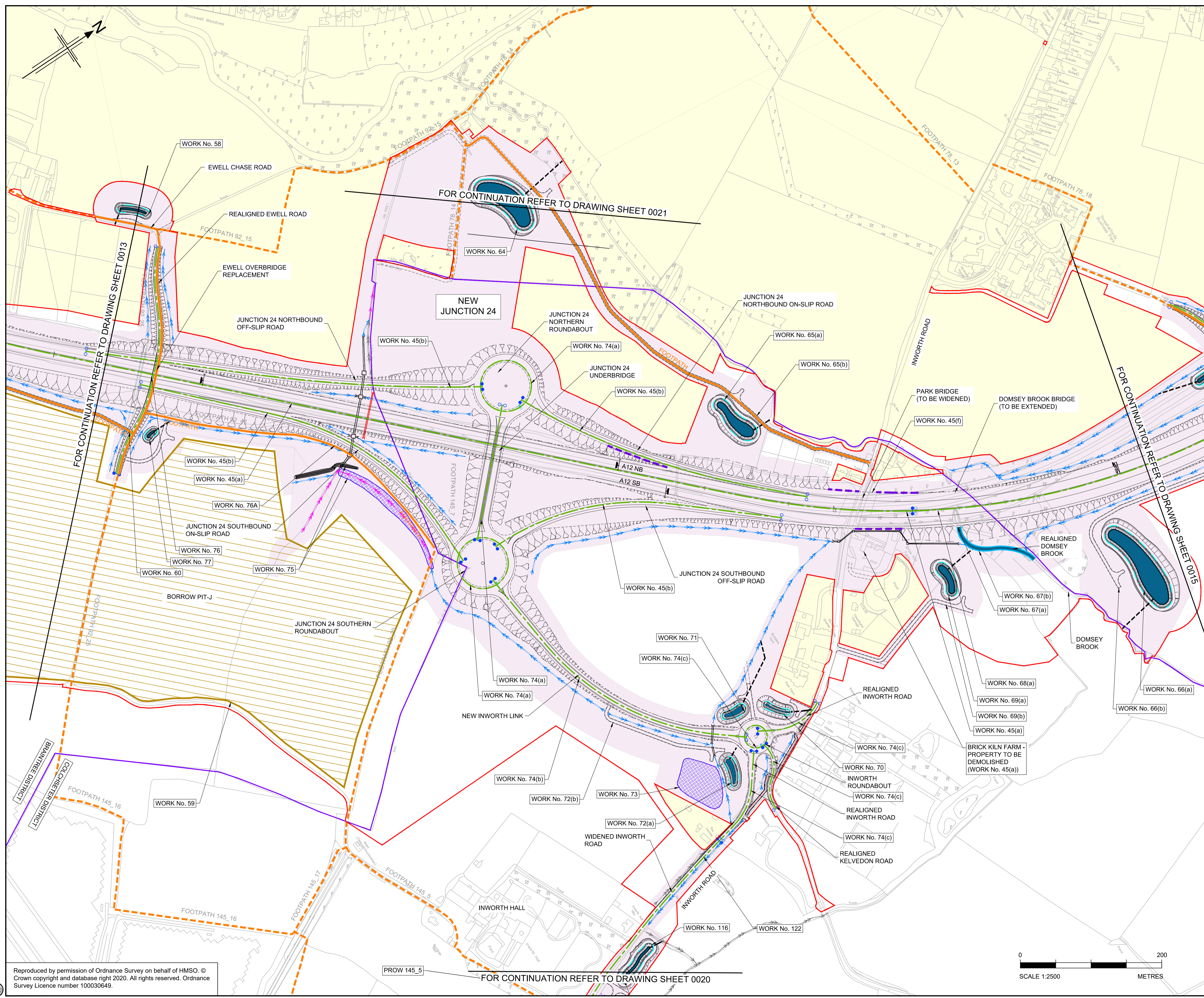


Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

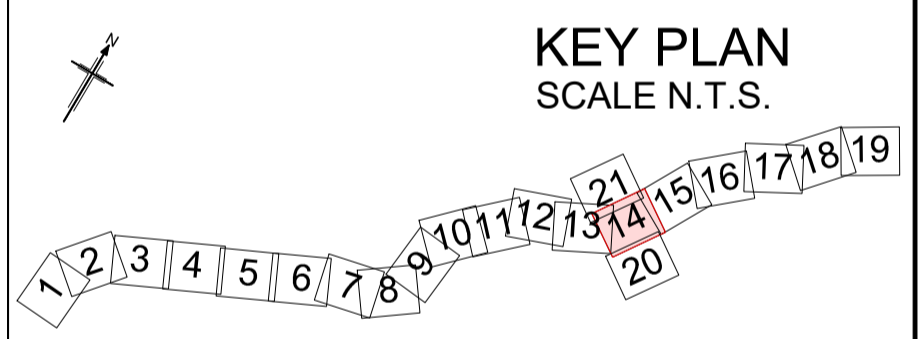
Drawing title
WORKS PLANS LEGEND

| | | |
|-------------------------|---------------------------------|----------------|
| Regulation | REGULATION 5(2)(j) | |
| Purpose of issue | DCO APPLICATION | |
| State Code | Statutory Procedures and Powers | |
| Project Stage | PCF4 | Drawing status |
| Scale at A1 (841x594mm) | | S4 |
| Jacobs No. | B36601D1 | Rev |
| Client no. | HE551497 | P03 |

| | | | |
|----------------|------|------------|---------|
| Drawing number | PIN | Originator | Volume |
| HE551497 - | JAC | LDC - | |
| | SCHW | -DR- | C -0922 |



- NOTES
1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
 2. THE PROPOSED WORKS WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT. ANY CHANGES WILL BE LIMITED TO BEING WITHIN THE ORDER LIMITS OR THE RELEVANT LIMITS OF DEVIATION WHERE NOT COINCIDENT WITH THE ORDER LIMITS AND SUBJECT TO THE REQUIREMENTS OF SCHEDULE 2 TO THE DEVELOPMENT CONSENT ORDER (APPLICATION DOCUMENT REFERENCE TR10060/APP/3.1).
 3. THE BASE MAPPING IS BASED ON ORDNANCE SURVEY (O/S) DATA.
 4. WORKS ARE DESCRIBED IN SCHEDULE 1(AUTHORISED DEVELOPMENT) OF THE DEVELOPMENT CONSENT ORDER [TR10060/APP/3.1].
 5. THESE WORKS PLANS SHOULD BE READ IN CONJUNCTION WITH ALL OTHER APPLICATION DOCUMENTS.



| Rev | Rev. Date | Purpose of revision | Drawn | Checked | Rev'd | Apprv'd |
|-----|-----------|--------------------------|-------|---------|-------|---------|
| P01 | 04/08/22 | FINAL FOR DCO SUBMISSION | AE | WD | CA | DT |
| P02 | 03/04/23 | DCO CHANGE | OB | LH | RM | RM |
| P03 | 25/05/23 | DCO CHANGE | AE | LH | RM | RM |

| | | | |
|-----------------------------------|----------|---|--------------------|
| Development Consent Order Number: | TR010060 | Development Consent Order Drawing Number: | TR010060/APP/2.2.1 |
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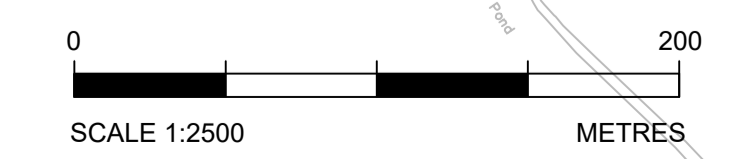


Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title
**WORKS PLANS
PERMANENT WORKS
SHEET 14 OF 21**

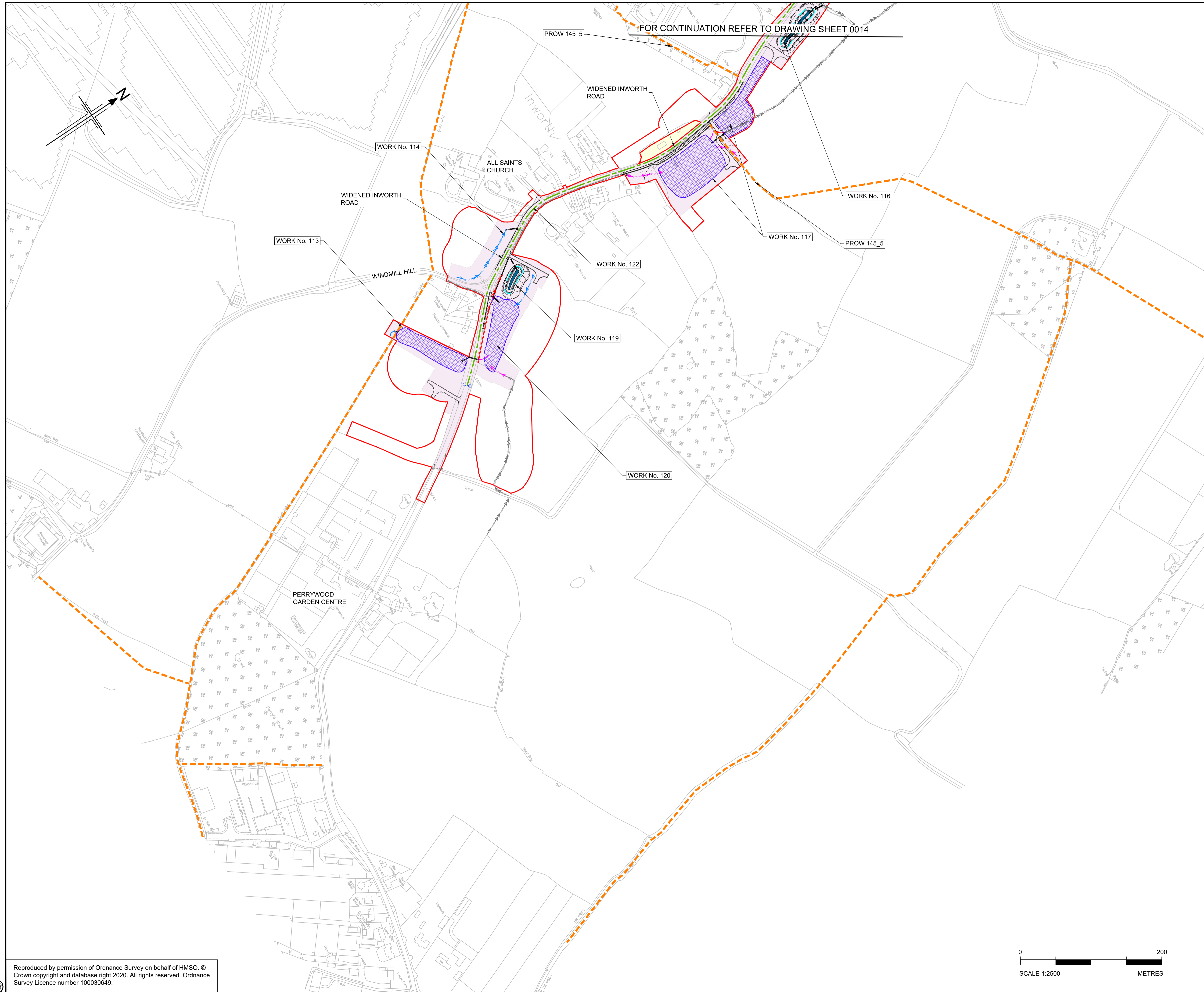
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|-------------------------|---------------------------------|----------------|----------|
| Regulation | REGULATION 8(1)(k) | | |
| Purpose of issue | DCO EXAM | | |
| State Code | Statutory Procedures and Powers | | |
| Project Stage | PCF 4 | Drawing status | S4 |
| Scale at A1 (841x594mm) | 1:2500 | Rev | P03 |
| Jacobs No. | B36601D1 | Client no. | HE551497 |

Drawing number
PIN | Originator | Volume
HE551497 - JAC - LDC -
Location | Type | Role | Number
SCHW -DR- C -0914



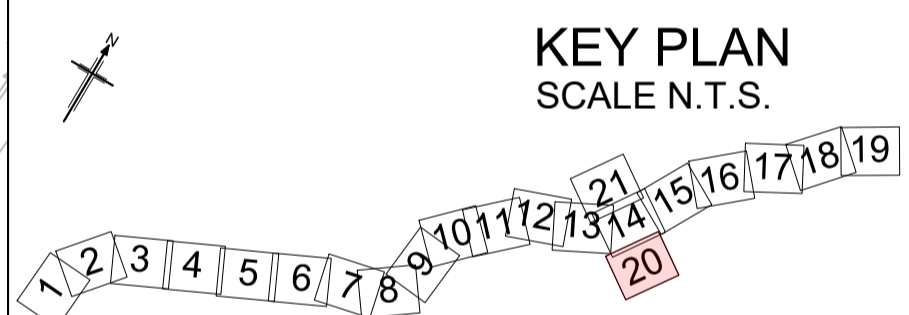
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FOR CONTINUATION REFER TO DRAWING SHEET 0014

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| | | | | | | |
|-----|-----------|--------------------------|-------|---------|-------|---------|
| P01 | 04/08/22 | FINAL FOR DCO SUBMISSION | AE | WD | CA | DT |
| P02 | 04/04/23 | DCO CHANGE | OB | LH | RM | 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/2.2.1

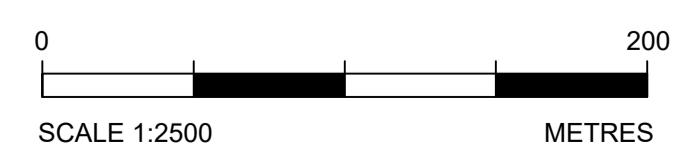


Project: A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title: WORKS PLANS
 PERMANENT WORKS
 SHEET 20 OF 21

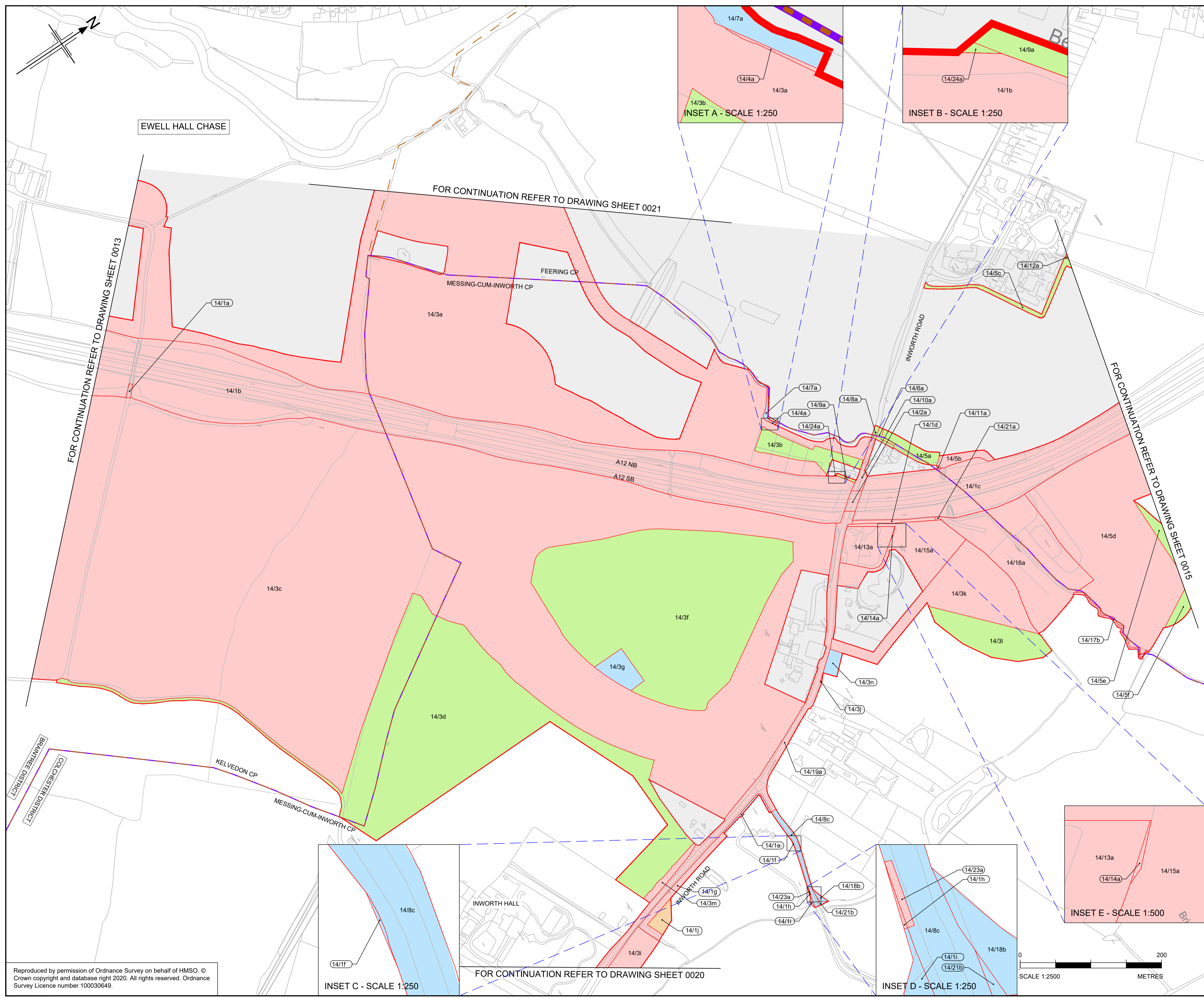
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| Regulation | REGULATION 113 & 114 | |
| Purpose of issue | DCO EXAM | |
| State Code | Statutory Procedures and Powers | |
| Project Stage | PCF 4 | Drawing status |
| Scale at A1 (841x594mm) | 1:2500 | S4 |
| Jacobs No. | B36601D1 | Rev |
| Client no. | HE551497 | P02 |

Drawing number: HE551497 - JAC - LDC - SCHW -DR- C -0920
 PIN | Originator | Volume | Location | Type | Role | Number



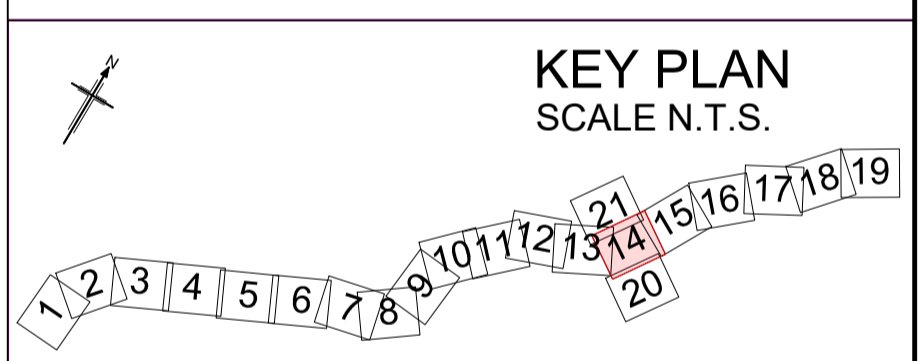
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 3. ALL EASEMENTS, SERVITUDES AND PRIVATE RIGHTS ARE PROPOSED TO BE EXTINGUISHED ON LAND THAT IS TO BE ACQUIRED UNLESS STATED OTHERWISE IN THE BOOK OF REFERENCE.
 4. THIS DRAWING IS TO READ IN CONJUNCTION WITH ALL OTHER PLANS AND DOCUMENTATION, IN 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
 - PLOT NUMBERS
 - ADMINISTRATIVE BOUNDARY
 - PARISH BOUNDARIES



| 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

Drawing title
LAND PLANS SHEET 14 OF 21

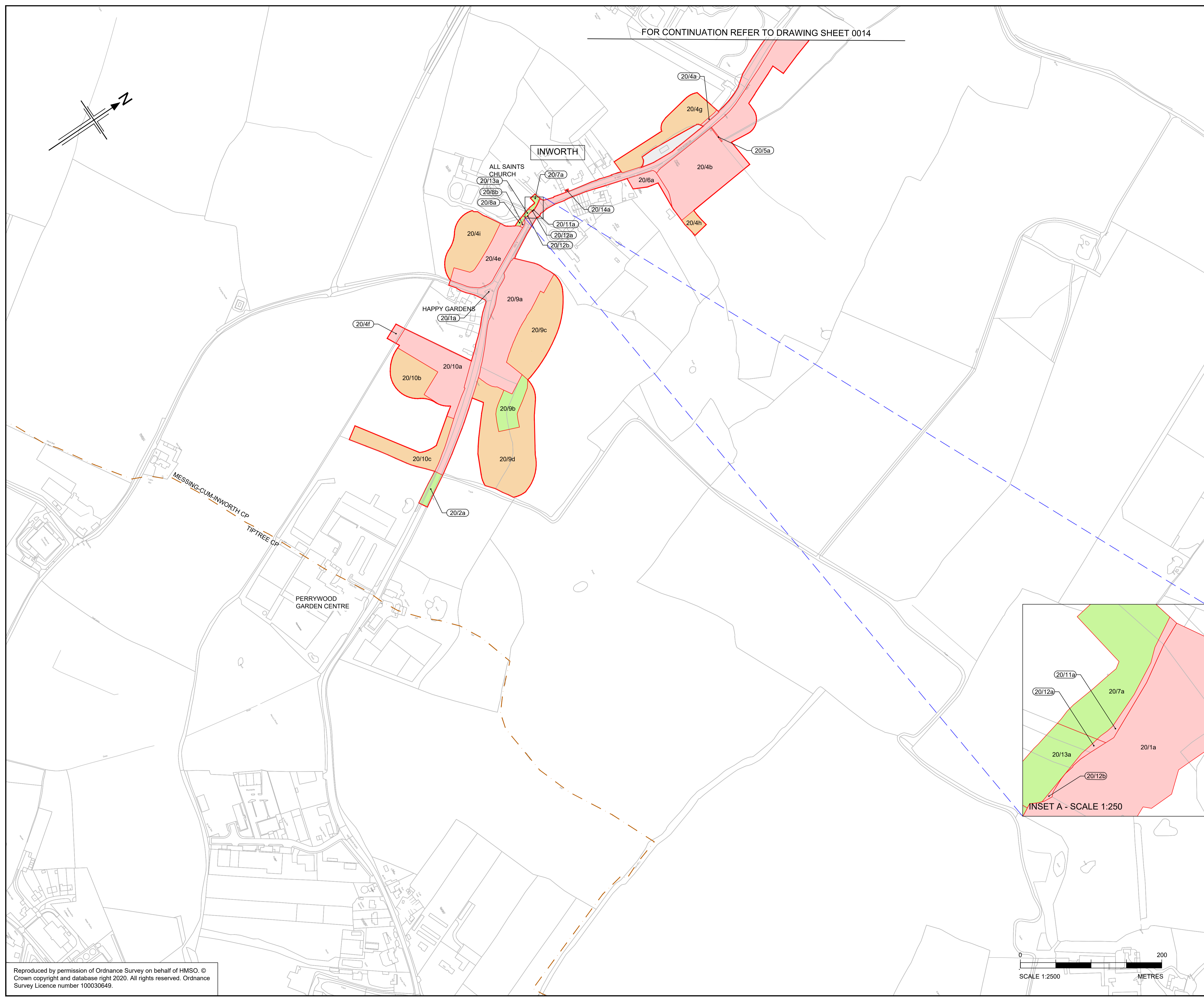
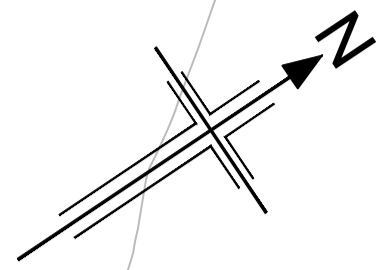
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| Regulation | REGULATION 113 & 114 |
| Purpose of issue | DCO EXAM |
| State Code | Statutory Powers and Procedures |
| Project Stage | PCF4 |
| Scale at A1 (841x594mm) | 1:2500 |
| Jacobs No. | B36601D1 |
| Client no. | HE551497 |

Drawing number
HE551497 - ARD - LDC - SCHW -DR- X -0314

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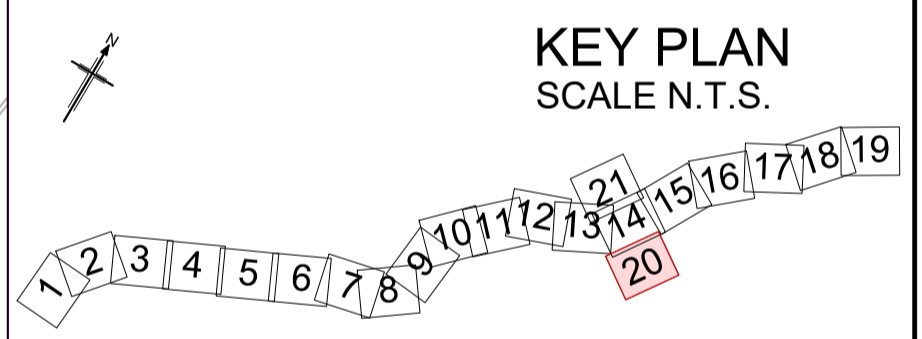
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FOR CONTINUATION REFER TO DRAWING SHEET 0014



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 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
 - PLOT NUMBERS
 - ADMINISTRATIVE BOUNDARY
 - PARISH BOUNDARIES



| 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 |
| Rev | Rev. Date | Purpose of revision | Drawn | Checked | Rev'd | Appr'd |

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

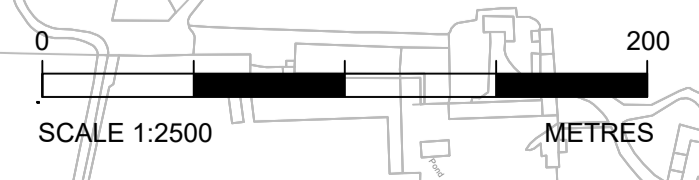
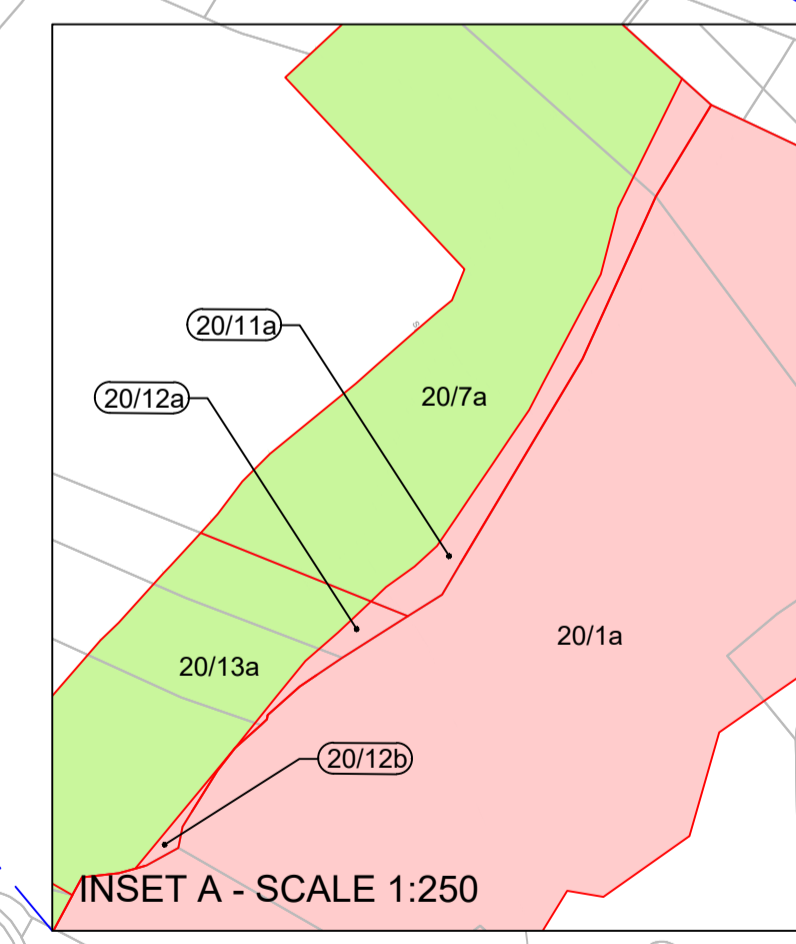


Project: A12 CHELMSFORD TO A120 WIDENING SCHEME

LAND PLANS SHEET 20 OF 21

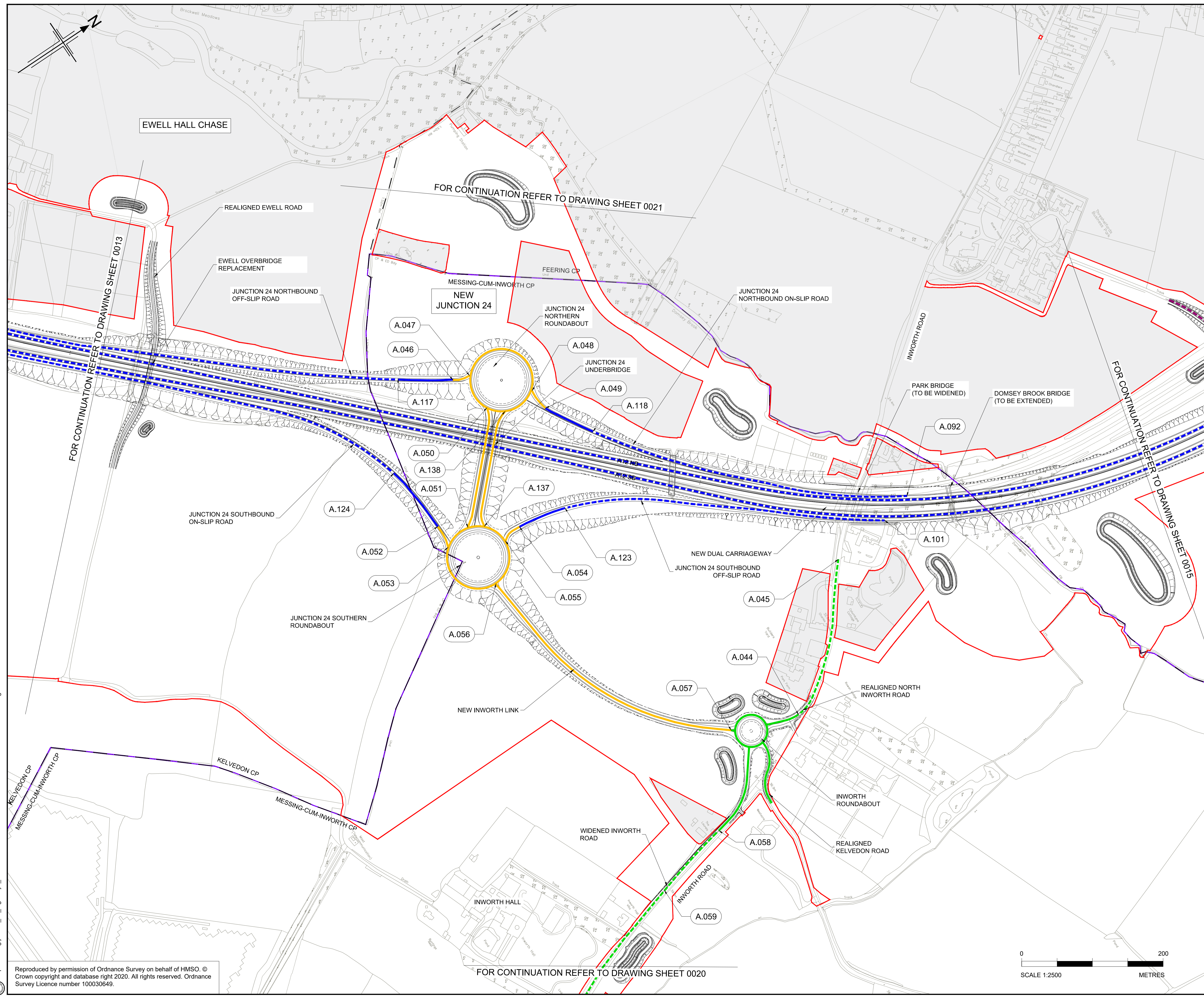
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|-------------------------|---------------------------------|----------------|
| Regulation | REGULATION 113 & 114 | |
| Purpose of issue | DCO EXAM | |
| State Code | Statutory Powers and Procedures | |
| Project Stage | PCF4 | Drawing status |
| Scale at A1 (841x594mm) | 1:2500 | S4 |
| Jacobs No. | B36601D1 | Rev |
| Client no. | HE551497 | P03 |

Drawing number: HE551497 - ARD - LDC - SCHW -DR- X -0320
 PIN | Originator | Volume | Location | Type | Role | Number



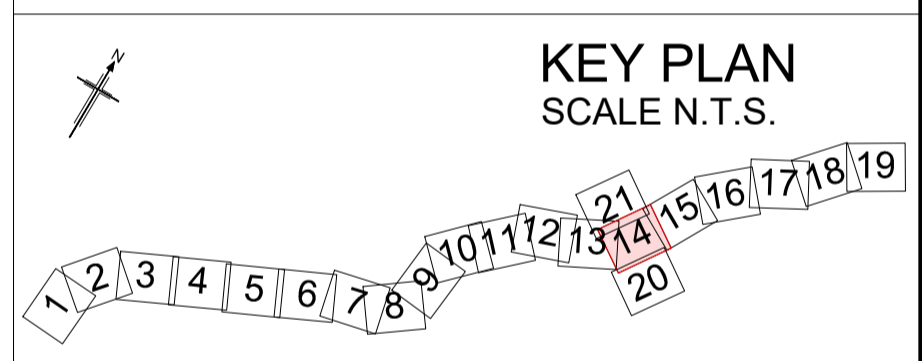
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 - THIS PLAN SHOULD BE READ IN CONJUNCTION WITH OTHER APPLICATION DOCUMENTS IN PARTICULAR SCHEDULE 3 OF THE DEVELOPMENT CONSENT ORDER (TR010060/APP/2.3)

- LEGEND:**
- 30 MPH SPEED LIMIT (RESTRICTED ROAD)
 - - - 30 MPH SPEED LIMIT
 - 40 MPH SPEED LIMIT (DE-RESTRICTED ROAD)
 - - - 40 MPH SPEED LIMIT
 - 50 MPH SPEED LIMIT (DE-RESTRICTED ROAD)
 - - - 50 MPH SPEED LIMIT
 - NATIONAL SPEED LIMIT (DE-RESTRICTED ROAD)
 - - - NATIONAL SPEED LIMIT
 - VARIABLE SPEED LIMIT (DE-RESTRICTED ROAD)
 - - - VARIABLE SPEED LIMIT
 - TRAFFIC REGULATION MEASURE REFERENCE LABEL
 - - - PARISH BOUNDARY
 - ADMINISTRATIVE BOUNDARY
 - ORDER LIMITS
 - LAND NOT INCLUDED WITHIN THE ORDER LIMIT



| Rev | Rev. Date | Purpose of revision | Drawn | Checked | Rev'd | Appr'd |
|-----|-----------|---------------------------|-------|---------|-------|--------|
| P01 | 08/08/22 | FINAL FOR DCO APPLICATION | JK | DB | CA | SG |
| P02 | 30/03/23 | DCO CHANGE | JK | HC | HC | RM |
| P03 | 26/05/23 | DCO CHANGE | JK | LH | RM | RM |

Development Consent Order Number: TR010060
 Development Consent Order Drawing Number: TR010060/APP/2.3.1

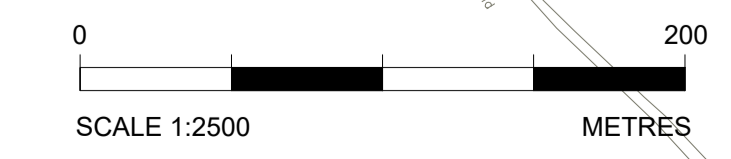


Project: A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title: **TRAFFIC REGULATION MEASURES
 SPEED LIMITS
 SHEET 14 OF 21**

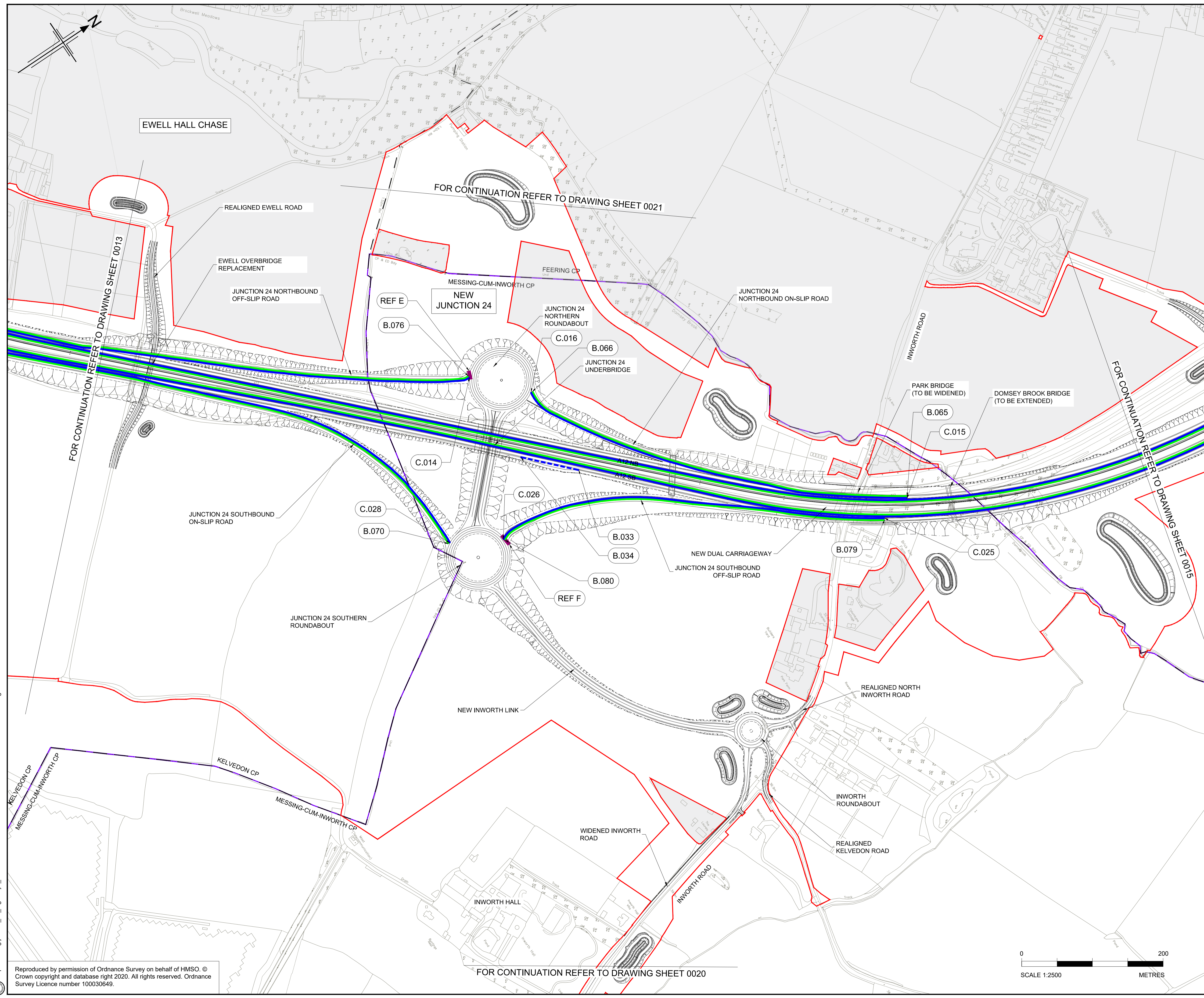
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|-------------------------|---------------------------------|----------------|----------|
| Regulation | REGULATION 8(1)(k) | | |
| Purpose of issue | DCO EXAM | | |
| State Code | Statutory Procedures and Powers | | |
| Project Stage | PCF 4 | Drawing status | S4 |
| Scale at A1 (841x594mm) | 1:2500 | Rev | P03 |
| Jacobs No. | B36601D1 | Client no. | HE551497 |
| Drawing number | PIN | Originator | Volume |

HE551497 - JAC - LDC -
 SCHW -DR- C -0114



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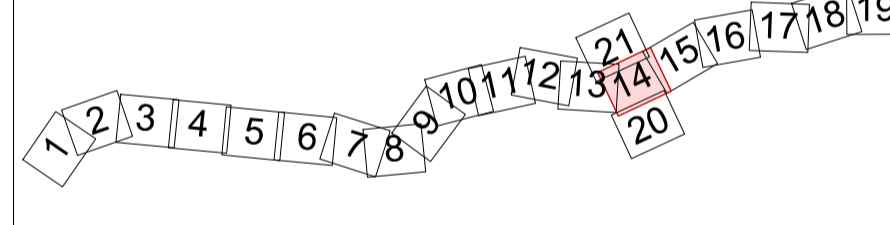
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- LEGEND:**
- NO WAITING AT ANY TIME RESTRICTION
 - NO WAITING AT SPECIFIED TIMES RESTRICTION
 - NO ENTRY
 - 6'6" (2.0 METRE) WIDTH RESTRICTION
 - PROHIBITION OF VEHICLE TYPES (PEDAL CYCLES, PEDESTRIANS, EQUESTRIANS, HORSE DRAWN CARRIAGES, MOTORCYCLES UNDER 50CC, AND AGRICULTURAL VEHICLES.)
 - PROHIBITION OF MOTOR VEHICLES (EXCEPT FOR ACCESS)
 - CLEARWAY
 - NO STOPPING EXCEPT IN AN EMERGENCY RESTRICTION
 - TRAFFIC REGULATION MEASURE REFERENCE LABEL
 - PARISH BOUNDARY
 - ADMINISTRATIVE BOUNDARY
 - ORDER LIMITS
 - LAND NOT INCLUDED WITHIN THE ORDER LIMIT

KEY PLAN
SCALE N.T.S.



| Rev | Rev. Date | Purpose of revision | Drawn | Checked | Rev'd | Appr'd |
|-----|-----------|---------------------------|-------|---------|-------|--------|
| P01 | 08/08/22 | FINAL FOR DCO APPLICATION | JK | DB | CA | SG |
| P02 | 30/03/23 | DCO CHANGE | JK | HC | HC | RM |
| P03 | 26/05/23 | DCO CHANGE | JK | LH | RM | RM |

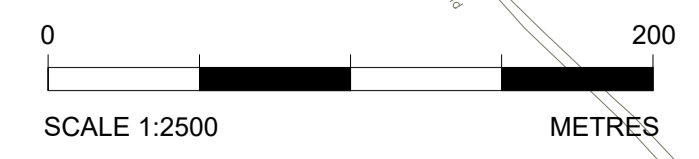
Development Consent Order Number: TR010060
 Development Consent Order Drawing Number: TR010060/APP/2.3.2



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

Drawing title: **TRAFFIC REGULATION MEASURES
MOVEMENT RESTRICTIONS
SHEET 14 OF 21**

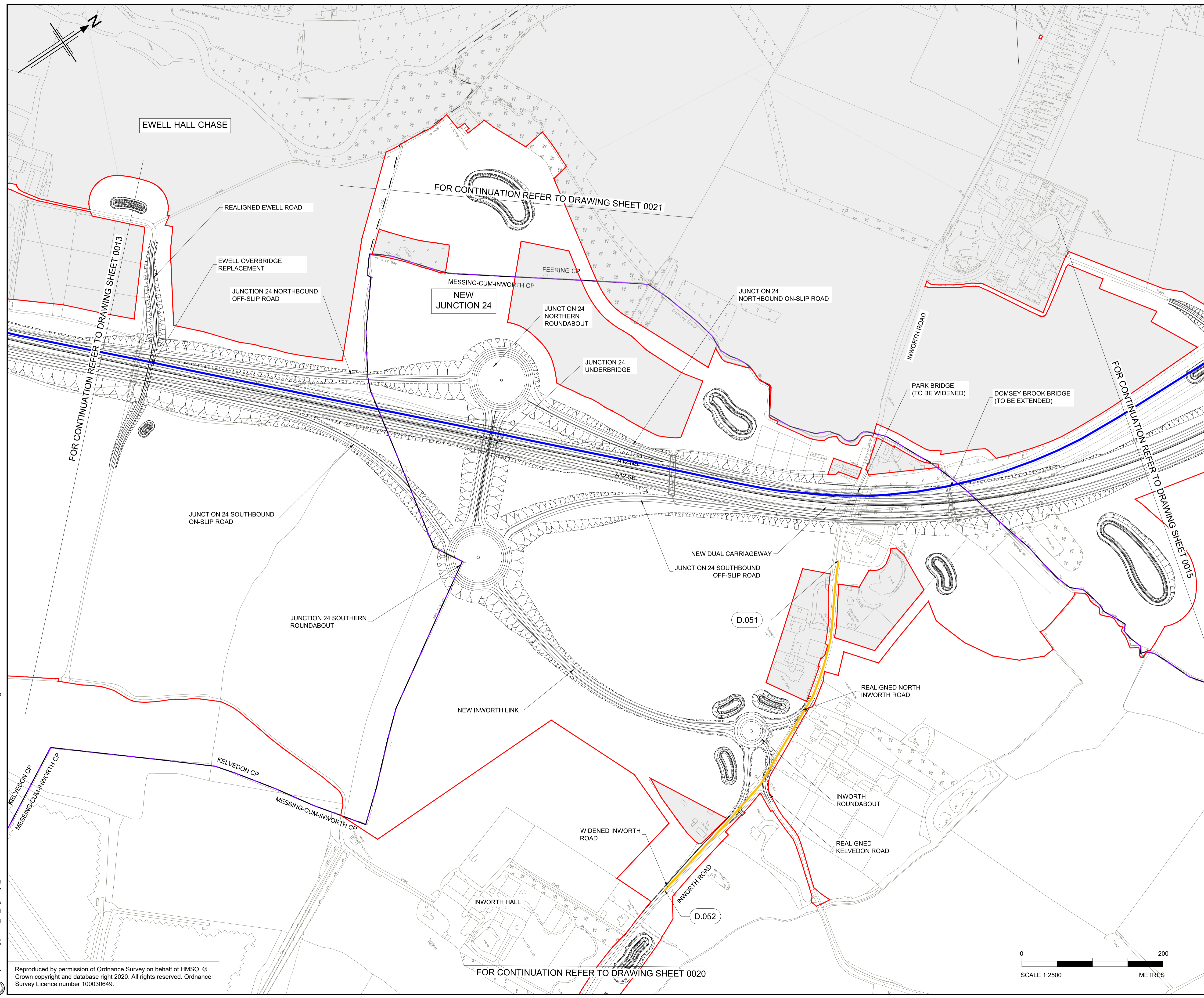
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|-------------------------|---------------------------------|----------|--------------|
| Regulation | REGULATION 8(1)(k) | | |
| Purpose of issue | DCO EXAM | | |
| State Code | Statutory Procedures and Powers | | |
| Project Stage | PCF 4 | Location | S4 |
| Scale at A1 (841x594mm) | 1:2500 | Rev | P03 |
| Jacobs No. | B36601D1 | Volume | |
| Client no. | HE551497 | Type | -DR- C -0214 |



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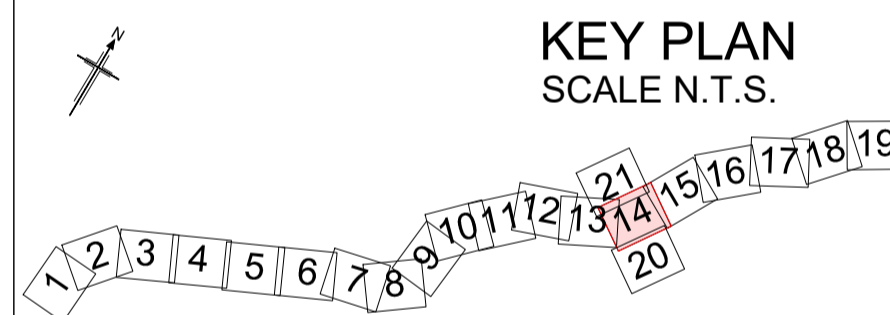
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 2. THIS PLAN SHOULD BE READ IN CONJUNCTION WITH OTHER APPLICATION DOCUMENTS IN PARTICULAR SCHEDULE 3 OF THE DEVELOPMENT CONSENT ORDER [TR010060/APP/2.3]

- LEGEND:**
- EXISTING SPEED LIMIT ORDER TO BE AMENDED OR REVOKED
 - EXISTING CLEARWAY ORDER TO BE AMENDED OR REVOKED
 - EXISTING WAITING ORDER TO BE AMENDED OR REVOKED
 - EXISTING PARKING ORDER TO BE AMENDED OR REVOKED
 - EXISTING NO ENTRY ORDER TO BE AMENDED OR REVOKED
 - EXISTING WIDTH RESTRICTION ORDER TO BE AMENDED OR REVOKED
 - EXISTING PROHIBITED MOVEMENT RESTRICTION TO BE AMENDED OR REVOKED
 - REVOCATION OF EXISTING TRAFFIC ORDER REFERENCE LABEL
 - PARISH BOUNDARY
 - ADMINISTRATIVE BOUNDARY
 - ORDER LIMITS
 - LAND NOT INCLUDED WITHIN THE ORDER LIMIT



| | | | | | | |
|-----|-----------|---------------------------|-------|---------|-------|--------|
| P01 | 09/08/22 | FINAL FOR DCO APPLICATION | JK | DB | CA | SG |
| P02 | 30/03/23 | DCO CHANGE | JK | HC | HC | RM |
| P03 | 25/05/23 | DCO CHANGE | JK | LH | RM | 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/2.3.3

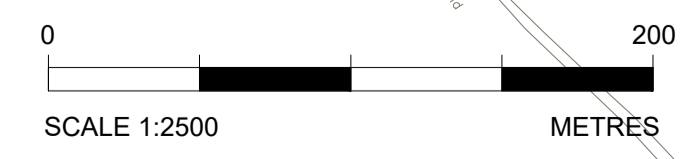


Project: A12 CHELMSFORD TO A120 WIDENING SCHEME

REVOCATION OF EXISTING TRAFFIC ORDERS SHEET 14 OF 21

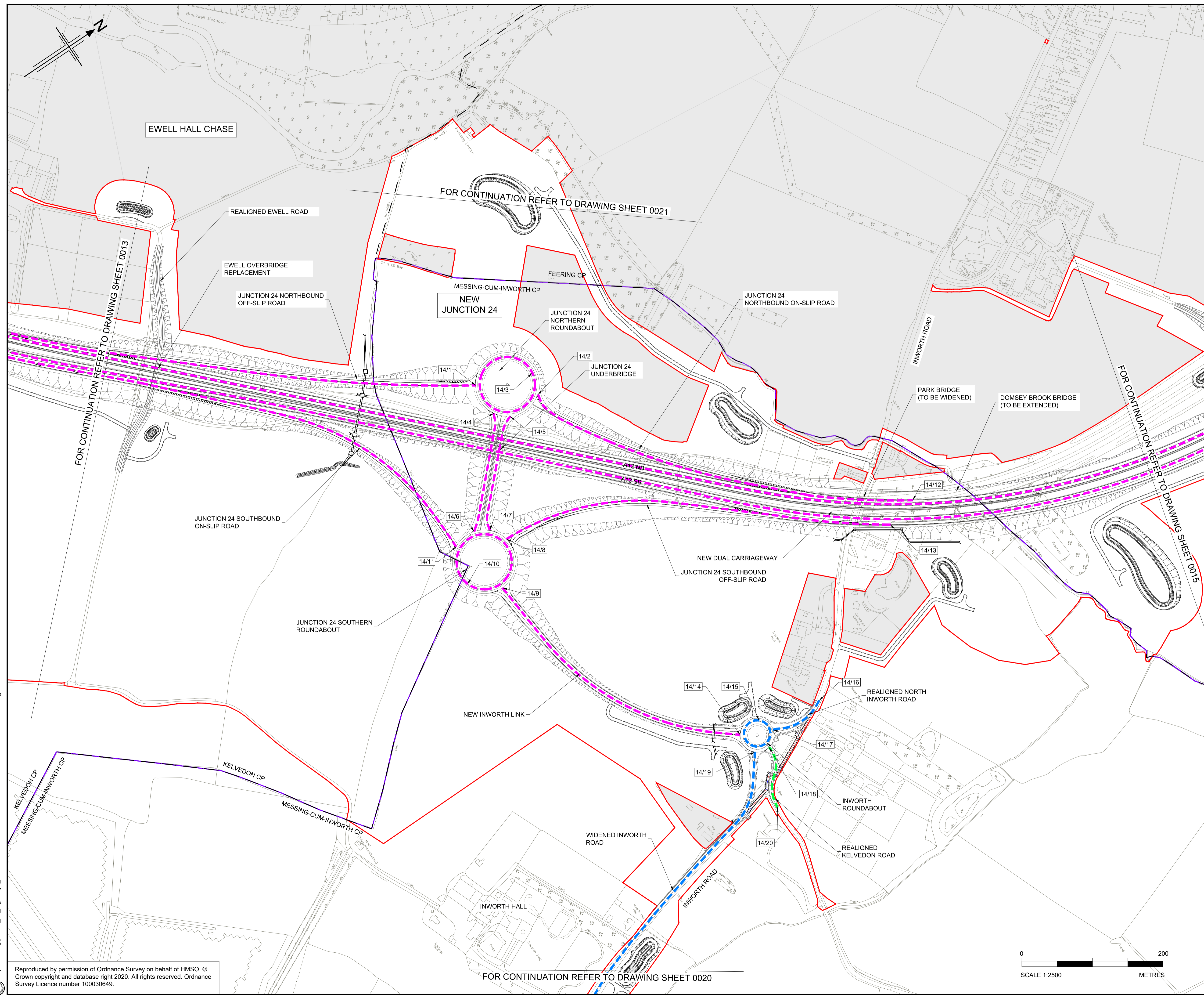
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| Regulation | REGULATION 8(1)(k) | |
| Purpose of issue | DCO EXAM | |
| State Code | Statutory Procedures and Powers | |
| Project Stage | PCF 4 | Drawing status S4 |
| Scale at A1 (841x594mm) | 1:2500 | |
| Jacobs No. | B36601D1 | Rev P03 |
| Client no. | HE551497 | |

Drawing number: HE551497 - JAC - LDC - SCHW
 PIN: JAC - LDC - SCHW
 Originator: JAC - LDC - SCHW
 Volume: -DR- C -0314



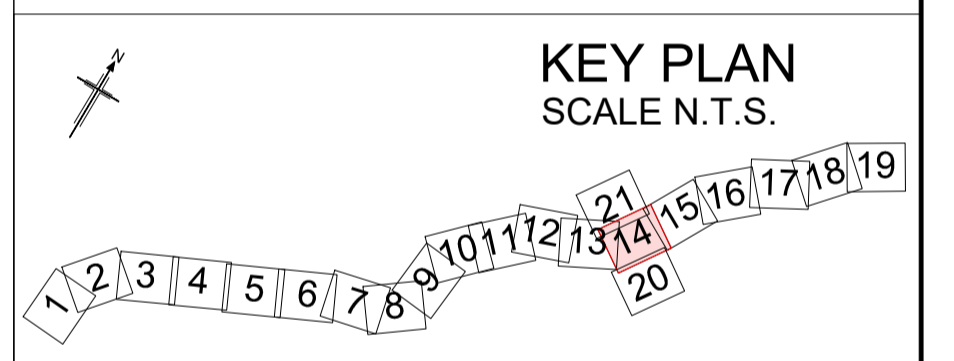
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- LEGEND**
- PROPOSED TRUNK ROAD
 - PROPOSED CLASSIFIED A ROADS
 - PROPOSED CLASSIFIED B ROADS
 - PROPOSED CLASSIFIED C ROADS
 - PROPOSED UNCLASSIFIED ROADS
 - PARISH BOUNDARY
 - ADMINISTRATIVE BOUNDARY
 - ORDER LIMITS
 - ORDER LIMITS EXCLUSION ZONE
 - 1/1 ROAD CLASSIFICATION - REFERENCE LABEL
 - NB NORTHBOUND
 - EB EASTBOUND
 - SB SOUTHBOUND
 - WB WESTBOUND



| Rev | Rev. Date | Purpose of revision | Drawn | Checked | Rev'd | Appr'd |
|-----|-----------|--------------------------|-------|---------|-------|--------|
| P01 | 02/08/22 | FINAL FOR DCO SUBMISSION | AE | CA | CA | DT |
| P02 | 03/04/23 | DCO CHANGES | OB | LH | RM | RM |
| P03 | 26/05/23 | DCO CHANGES | AE | LH | RM | RM |

Development Consent Order Number: TR010060
 Development Consent Order Drawing Number: TR010060/APP/2.4

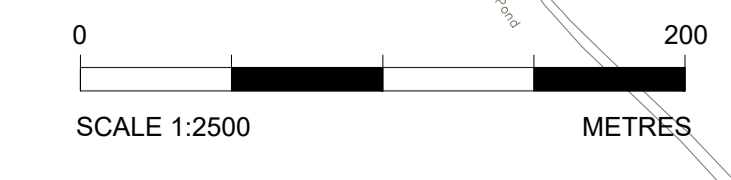


Project: **A12 CHELMSFORD TO A120 WIDENING SCHEME**

Drawing title:
CLASSIFICATION OF ROADS PLANS
SHEET 14 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 | P03 |
| Jacobs No. | B36601D1 | Client no. | HE551497 |

Drawing number: **HE551497** | Originator: **JAC - LDC** | Volume: **-DR- C -0614**
 Location: **SCHW** | Type: **-DR-** | Role: **C** | Number: **0614**



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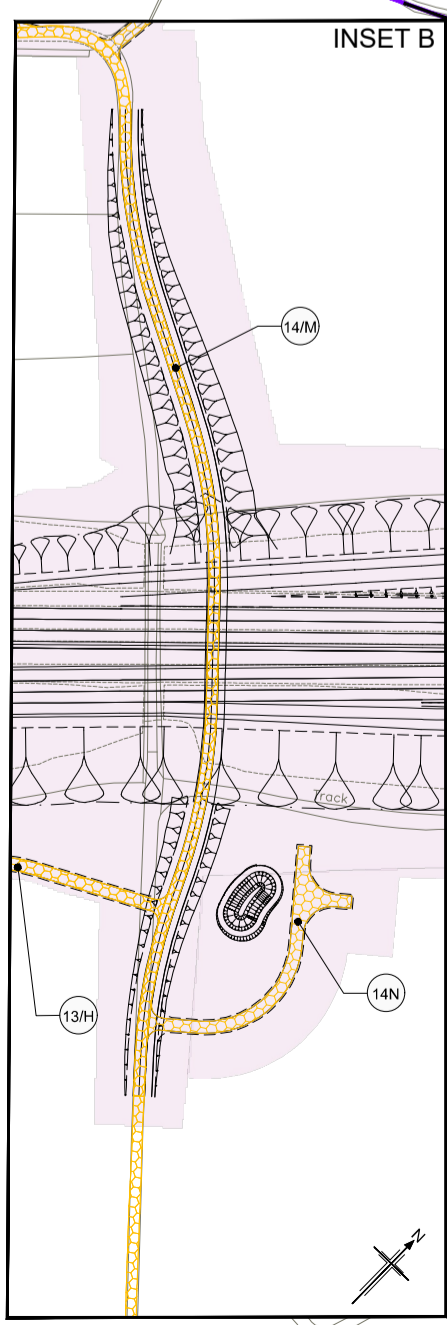
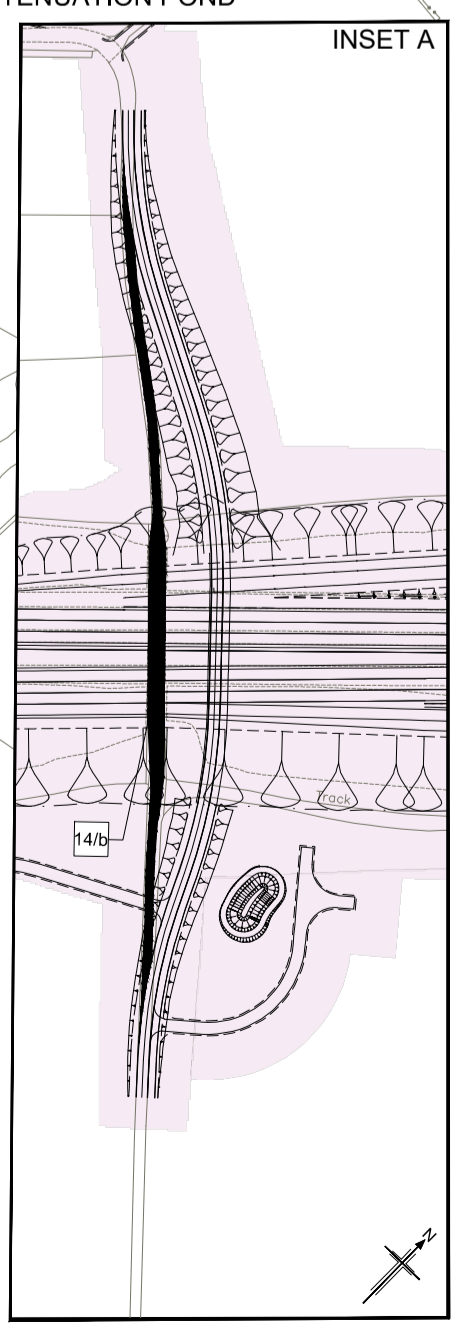
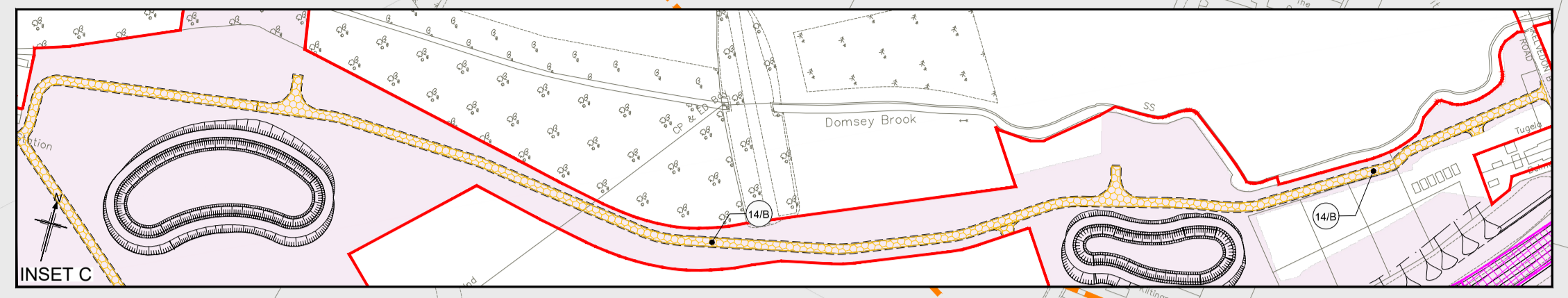
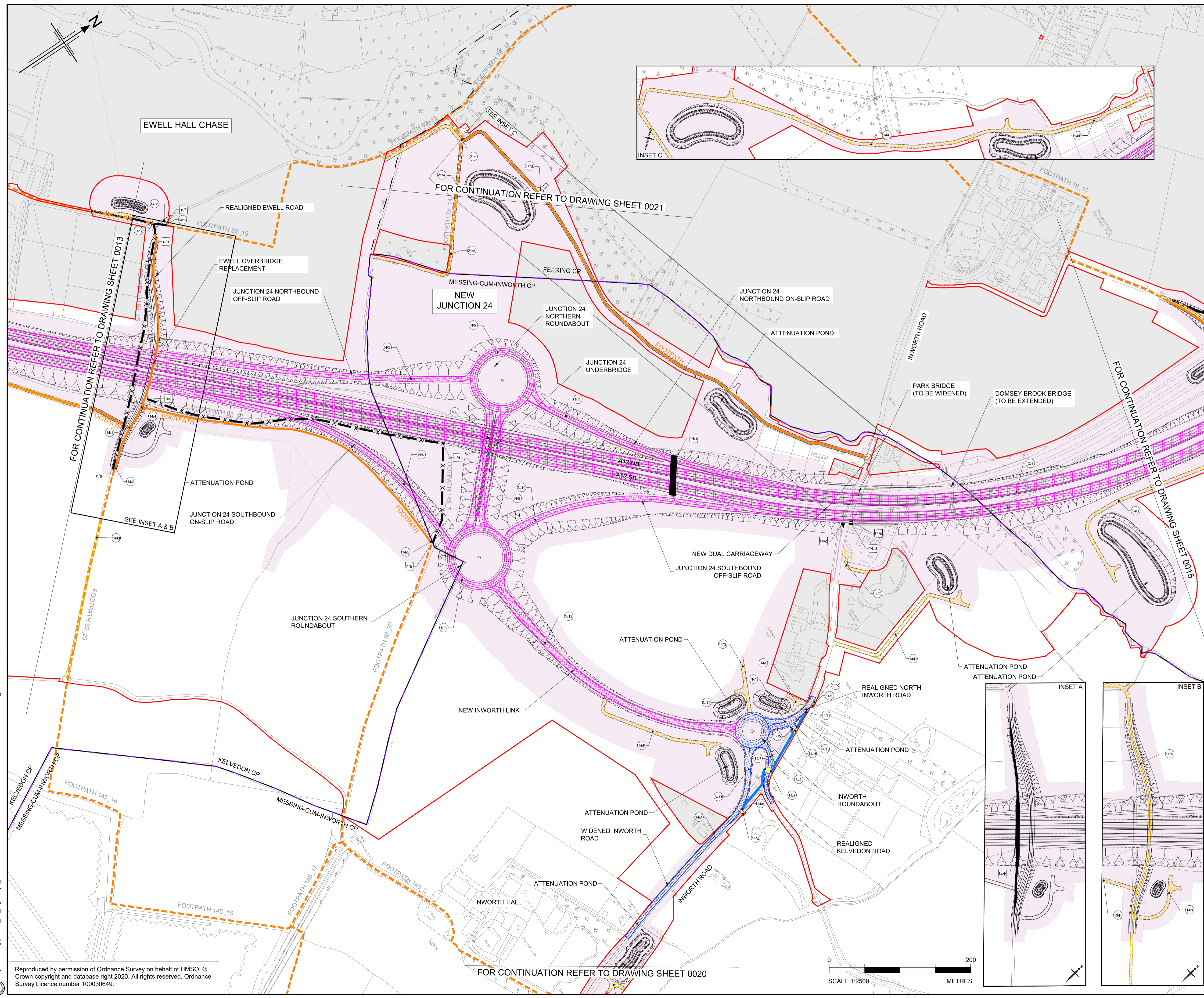
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FOR CONTINUATION REFER TO DRAWING SHEET 0020

FOR CONTINUATION REFER TO DRAWING SHEET 0013

FOR CONTINUATION REFER TO DRAWING SHEET 0021

FOR CONTINUATION REFER TO DRAWING SHEET 0015



- NOTES**
- ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
 - THE BASE MAPPING IS BASED ON ORDNANCE SURVEY (O/S) DATA.
 - THIS PLAN SHOULD BE READ IN CONJUNCTION WITH OTHER APPLICATION DOCUMENTS.

- LEGEND**
- EXISTING PRIVATE MEANS OF ACCESS TO BE STOPPED UP
 - NEW HIGHWAY - TRUNK ROAD
 - NEW HIGHWAY - NON-TRUNK ROAD
 - NEW PRIVATE MEANS OF ACCESS
 - NEW PRIVATE MEANS OF ACCESS WITH PHYSICAL WORKS
 - NEW CYCLE TRACK
 - NEW FOOTWAY
 - NEW FOOTPATH / BRIDLEWAY
 - NEW HIGHWAY - REFERENCE LABEL
 - EXISTING PRIVATE MEANS OF ACCESS TO BE STOPPED UP - REFERENCE LABEL
 - NEW PRIVATE MEANS OF ACCESS - REFERENCE LABEL
 - PUBLIC RIGHT OF WAY TO BE STOPPED UP - REFERENCE LABEL
 - NEW FOOTWAY / FOOTPATH / CYCLE TRACK / BRIDLEWAY - REFERENCE LABEL
 - ORDER LIMITS
 - PARISH BOUNDARY
 - ADMINISTRATIVE BOUNDARY
 - PUBLIC RIGHT OF WAY TO BE STOPPED UP
 - EXISTING PUBLIC RIGHT OF WAY
 - EXISTING CYCLE TRACK
 - LAND NOT INCLUDED WITHIN THE ORDER LIMIT
 - CONTROLLED CROSSING LOCATION
 - UNCONTROLLED CROSSING LOCATION
 - NB NORTHBOUND
 - SB SOUTHBOUND
 - LIMITS OF DEVIATION FOR NEW & IMPROVED FOOTWAY, FOOTPATH, CYCLE TRACK OR BRIDLEWAY

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 |
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| Rev | Rev. Date | Purpose of revision | Drawn | Checked | Rev'd | Appr'd |
|-----|-----------|--------------------------|-------|---------|-------|--------|
| P01 | 01/08/22 | FINAL FOR DCO SUBMISSION | AE | CA | CA | DT |
| P02 | 05/10/22 | FINAL FOR DCO SUBMISSION | ES | CA | RM | RM |
| P03 | 04/04/23 | DCO CHANGE | AE | LH | RM | RM |
| P04 | 05/04/23 | DCO CHANGE | AE | LH | RM | RM |
| P05 | 09/05/23 | DCO CHANGE | AE | LH | RM | RM |
| P06 | 12/05/23 | DCO CHANGE | AE | LH | RM | RM |
| P07 | 25/05/23 | DCO CHANGE | AE | LH | RM | RM |

Development Consent Order Number: TR010060
Development Consent Order Drawing Number: TR010060/APP/2.6



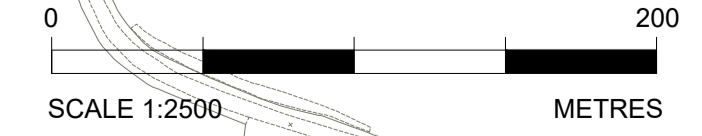
Project: A12 CHELMSFORD TO A120 WIDENING SCHEME

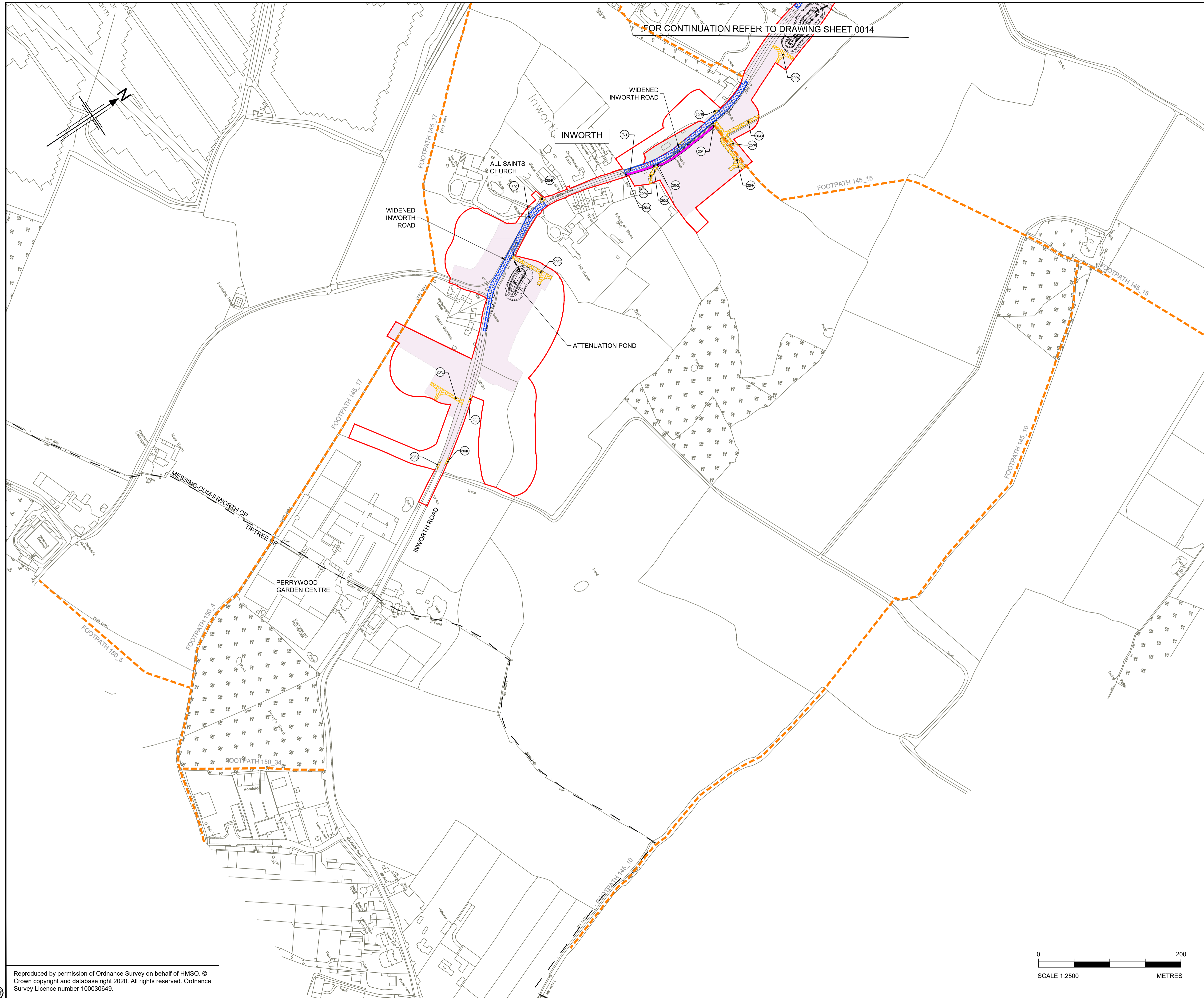
Drawing title: **STREETS, RIGHTS OF WAY AND ACCESS PLANS**
SHEET 14 OF 21

| | | | |
|-------------------------|---------------------------------|------------|----------------|
| Regulation | REGULATION 8(1)(k) | | |
| Purpose of issue | DCO EXAM | | |
| State Code | Statutory Procedures and Powers | | |
| Project Stage | PCF 4 | Location | Drawing status |
| Scale at A1 (841x594mm) | 1:2500 | Rev | S4 |
| Jacobs No. | B36601D1 | Rev | P07 |
| Client no. | HE551497 | | |
| Drawing number | PIN | Originator | Volume |
| HE551497 | - | JAC | - |
| SCHW | - | LDC | - |
| | | -DR- | C-0514 |

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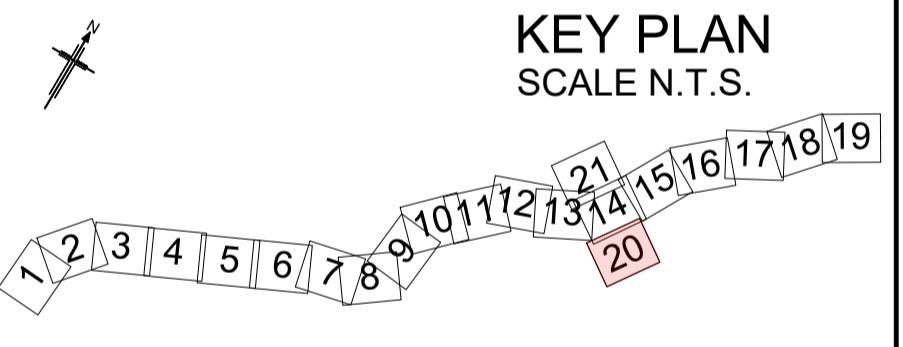




FOR CONTINUATION REFER TO DRAWING SHEET 0014

- NOTES**
- ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
 - THE BASE MAPPING IS BASED ON ORDNANCE SURVEY (O/S) DATA.
 - THIS PLAN SHOULD BE READ IN CONJUNCTION WITH OTHER APPLICATION DOCUMENTS.

- LEGEND**
- EXISTING PRIVATE MEANS OF ACCESS TO BE STOPPED UP
 - NEW HIGHWAY - TRUNK ROAD
 - NEW HIGHWAY - NON -TRUNK ROAD
 - NEW PRIVATE MEANS OF ACCESS
 - NEW PRIVATE MEANS OF ACCESS WITH PHYSICAL WORKS
 - NEW CYCLE TRACK
 - NEW FOOTWAY
 - NEW FOOTPATH / BRIDLEWAY
 - NEW HIGHWAY - REFERENCE LABEL
 - EXISTING PRIVATE MEANS OF ACCESS TO BE STOPPED UP - REFERENCE LABEL
 - NEW PRIVATE MEANS OF ACCESS - REFERENCE LABEL
 - PUBLIC RIGHT OF WAY TO BE STOPPED UP - REFERENCE LABEL
 - NEW FOOTWAY / FOOTPATH / CYCLE TRACK / BRIDLEWAY - REFERENCE LABEL
 - ORDER LIMITS
 - PARISH BOUNDARY
 - ADMINISTRATIVE BOUNDARY
 - PUBLIC RIGHT OF WAY TO BE STOPPED UP
 - EXISTING PUBLIC RIGHT OF WAY
 - EXISTING CYCLE TRACK
 - LAND NOT INCLUDED WITHIN THE ORDER LIMIT
 - CONTROLLED CROSSING LOCATION
 - UNCONTROLLED CROSSING LOCATION
 - NORTHBOUND
 - SOUTHBOUND
 - LIMITS OF DEVIATION FOR NEW & IMPROVED FOOTWAY, FOOTPATH, CYCLE TRACK OR BRIDLEWAY



| | | | | | | |
|-----|-----------|--------------------------|-------|---------|-------|---------|
| P01 | 01/08/22 | FINAL FOR DCO SUBMISSION | AE | CA | CA | DT |
| P02 | 05/10/22 | FINAL FOR DCO SUBMISSION | ES | CA | RM | RM |
| P03 | 04/04/23 | DCO CHANGE | AE | LH | RM | RM |
| P04 | 05/04/23 | DCO CHANGE | AE | LH | RM | 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/2.6

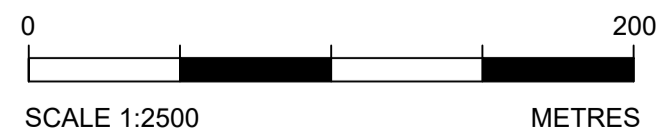


Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title
STREETS, RIGHTS OF WAY AND ACCESS PLANS SHEET 20 OF 21

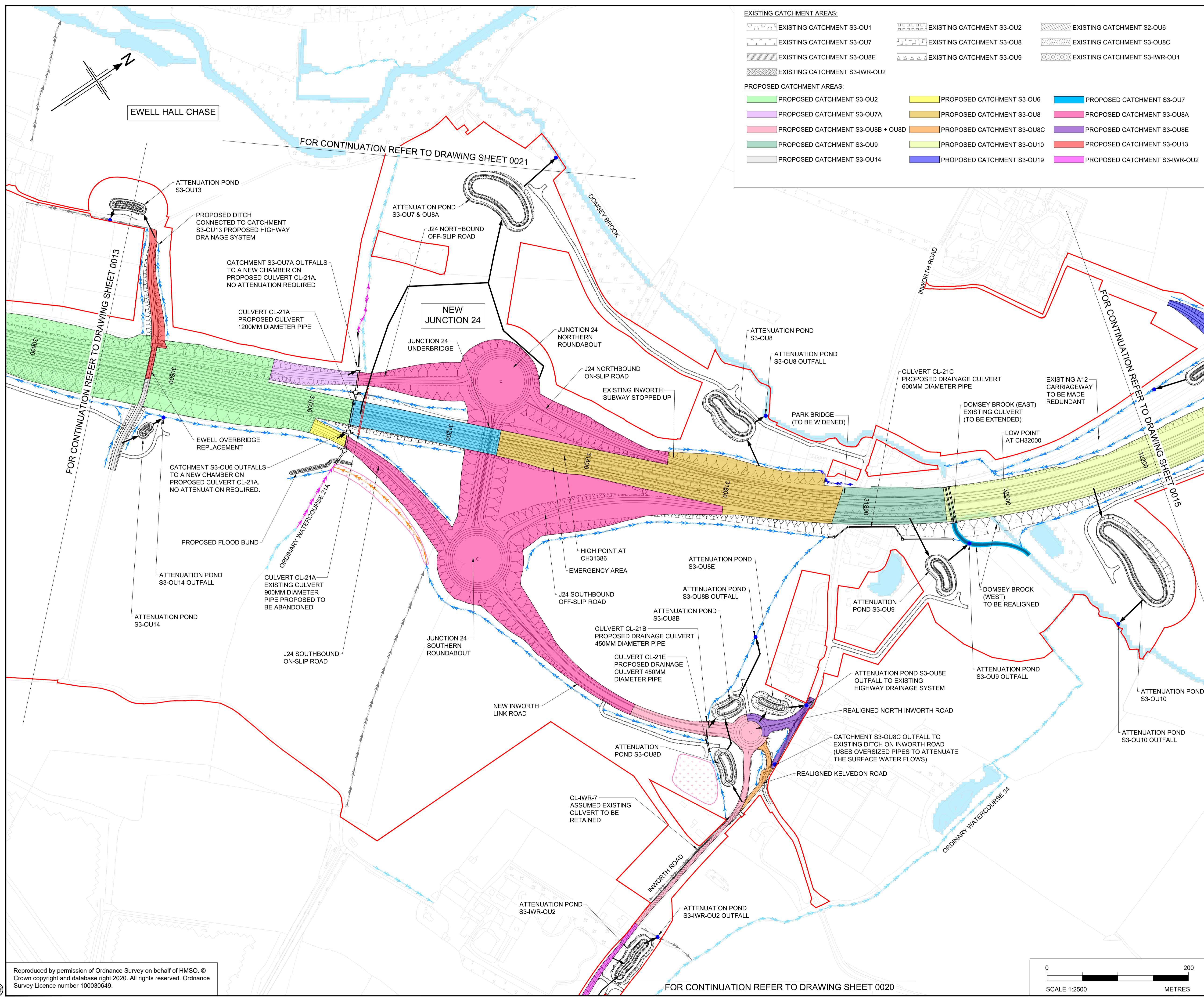
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|-------------------------|---------------------------------|----------------|----------|
| Regulation | REGULATION 113 & 114 | | |
| Purpose of issue | DCO EXAM | | |
| State Code | Statutory Procedures and Powers | | |
| Project Stage | PCF 4 | Drawing status | S4 |
| Scale at A1 (841x594mm) | 1:2500 | Rev | P04 |
| Jacobs No. | B36601D1 | Client no. | HE551497 |

Drawing number
PIN Originator Volume
HE551497 - JAC - LDC -
Location Type Role Number
SCHW -DR- C -0520



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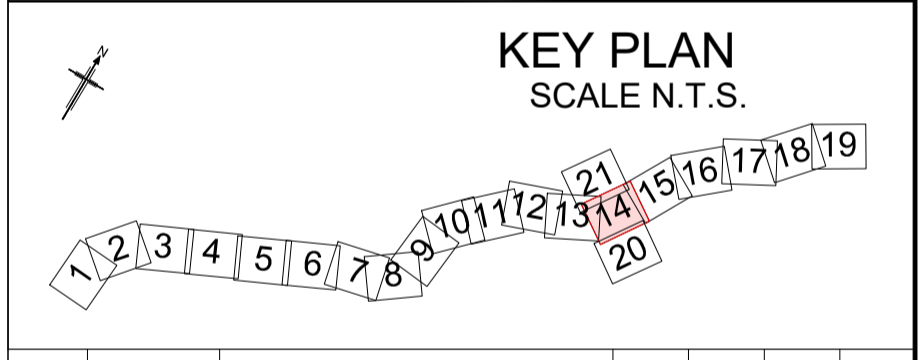
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- EXISTING CATCHMENT AREAS:**
- EXISTING CATCHMENT S3-OU1
 - EXISTING CATCHMENT S3-OU2
 - EXISTING CATCHMENT S2-OU6
 - EXISTING CATCHMENT S3-OU7
 - EXISTING CATCHMENT S3-OU8
 - EXISTING CATCHMENT S3-OU8C
 - EXISTING CATCHMENT S3-OU8E
 - EXISTING CATCHMENT S3-OU9
 - EXISTING CATCHMENT S3-IWR-OU1
 - EXISTING CATCHMENT S3-IWR-OU2
- PROPOSED CATCHMENT AREAS:**
- PROPOSED CATCHMENT S3-OU2
 - PROPOSED CATCHMENT S3-OU6
 - PROPOSED CATCHMENT S3-OU7
 - PROPOSED CATCHMENT S3-OU7A
 - PROPOSED CATCHMENT S3-OU8
 - PROPOSED CATCHMENT S3-OU8A
 - PROPOSED CATCHMENT S3-OU8B + OU8D
 - PROPOSED CATCHMENT S3-OU8C
 - PROPOSED CATCHMENT S3-OU8E
 - PROPOSED CATCHMENT S3-OU9
 - PROPOSED CATCHMENT S3-OU10
 - PROPOSED CATCHMENT S3-OU13
 - PROPOSED CATCHMENT S3-OU14
 - PROPOSED CATCHMENT S3-OU19
 - PROPOSED CATCHMENT S3-IWR-OU2

- NOTES**
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
 - LEVELS ARE IN METRES ABOVE ORDNANCE DATUM (mAOD).
 - REFER TO DRAWING HE551497-JAC-LDC-SCHW-DR-D-0800 FOR KEY PLAN.
 - THESE DRAINAGE AND SURFACE WATER PLANS ARE TO BE READ IN CONJUNCTION WITH ALL OTHER PLANS AND DOCUMENTS, IN PARTICULAR THE SURFACE WATER DRAINAGE STRATEGY REPORT DOCUMENTED IN APPENDIX 14.6 OF THE ENVIRONMENTAL STATEMENT [TR010060/APP/6.3].
 - ALL SOLID HATCHES SHOW THE PROPOSED HIGHWAY DRAINAGE CATCHMENTS INCLUDING CARRIAGEWAYS, VERGES AND CUTTINGS. FOR DETAILED INFORMATION ON PAVED AREAS (NEW PAVED AREAS AND/OR INCREASE IN PAVED AREAS) AND PROPOSED DRAINAGE CATCHMENTS, REFER TO ANNEX B OF THE SURFACE WATER DRAINAGE STRATEGY REPORT.

- LEGEND**
- ORDER LIMITS
 - PROPOSED HIGHWAY DRAINAGE OUTFALL
 - PROPOSED ATTENUATION POND
 - PROPOSED ATTENUATION POND ACCESS TRACK
 - PROPOSED GEOCELLULAR ATTENUATION STORAGE
 - INDICATIVE OUTFALL ROUTE
 - PROPOSED SWALE/ VEGETATED DITCH
 - PRE-EARTHWORKS DRAINAGE (PROPOSED DITCH)
 - PRE-EARTHWORKS DRAINAGE (EXISTING DITCH TO BE RETAINED)
 - PRE-EARTHWORKS DRAINAGE (EXISTING DITCH TO BE ABANDONED)
 - PRE-EARTHWORKS DRAINAGE (DIVERTED/ REGRADED DITCH)
 - PRE-EARTHWORKS DRAINAGE (PROPOSED FILTER DRAIN)
 - PRE-EARTHWORKS DRAINAGE (EXISTING FILTER DRAIN TO BE RETAINED)
 - EXISTING CULVERT (TO BE RETAINED)
 - EXISTING CULVERT (TO BE EXTENDED)
 - PROPOSED CULVERT
 - MINOR WATERCOURSE (TO BE RETAINED)
 - MINOR WATERCOURSE (TO BE ABANDONED)
 - MINOR WATERCOURSE (PROPOSED DIVERSION)
 - PROPOSED FLOOD BUND
 - PROPOSED FLOOD MITIGATION AREA
 - EXISTING WATERBODIES/ MAIN RIVER
 - PROPOSED WATERCOURSE DIVERSION (MAIN RIVER)



| | | | | | | |
|-----|-----------|---------------------------|-------|---------|-------|---------|
| P01 | 22/07/22 | FINAL FOR DCO APPLICATION | PJ | AM | JT | SG |
| P02 | 04/04/23 | DCO CHANGE | VD | AM | AM | RC |
| P03 | 25/05/23 | DCO CHANGE | VD | AM | AM | 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/2.13

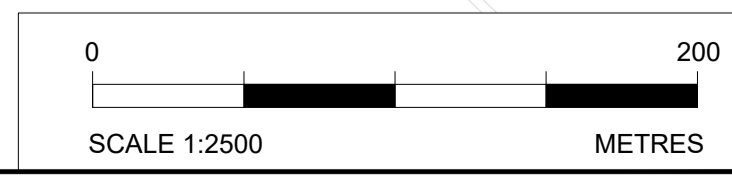


Project: A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title: **DRAINAGE AND SURFACE WATER PLANS SHEET 14 OF 21**

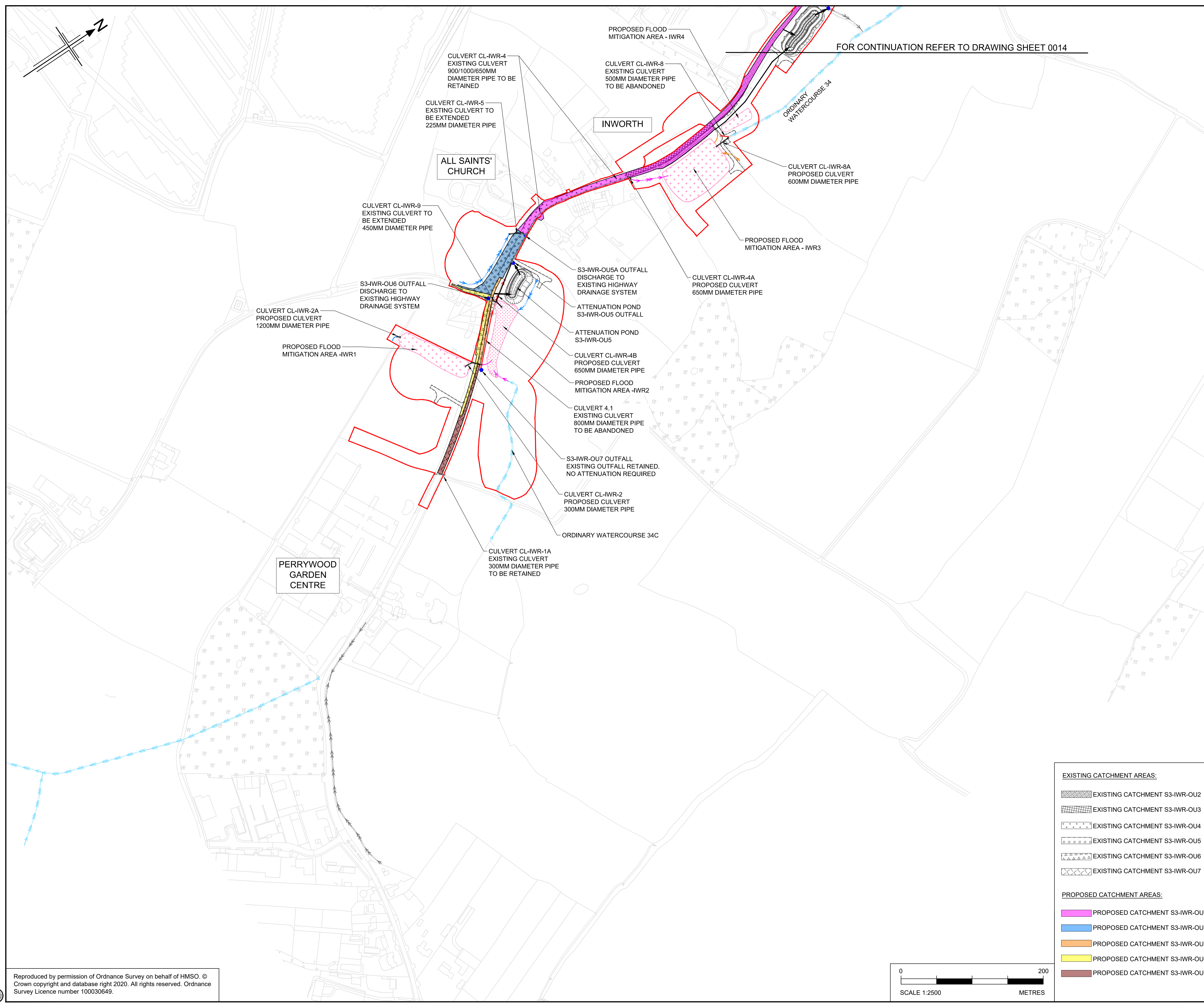
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|-------------------------|---------------------------------|----------------|--------|
| Regulation | REGULATION 8(1)(k) | | |
| Purpose of issue | DCO EXAM | | |
| State Code | Statutory Procedures and Powers | | |
| Project Stage | PCF 4 | Drawing status | |
| Scale at A1 (841x594mm) | 1:2500 | S4 | |
| Jacobs No. | B36601D1 | Rev | P03 |
| Client no. | HE551497 | | |
| Drawing number | PIN | Originator | Volume |

HE551497 - JAC - LDC - SCHW - DR - D - 0814



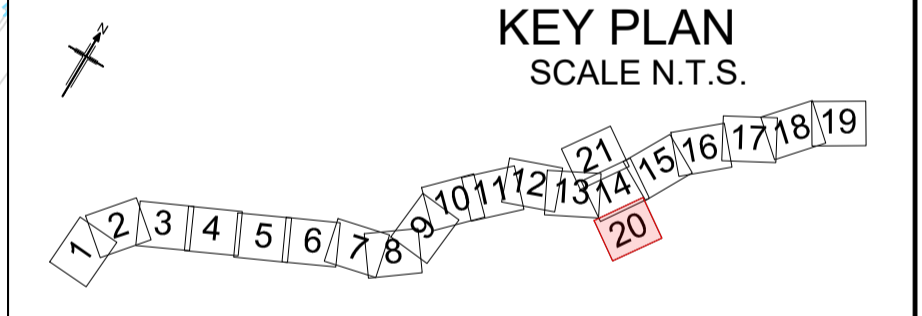
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- NOTES**
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
 2. LEVELS ARE IN METRES ABOVE ORDNANCE DATUM (mAOD).
 3. REFER TO DRAWING HE551497-JAC-LDC-SCHW-DR-D-0800 FOR KEY PLAN.
 4. THESE DRAINAGE AND SURFACE WATER PLANS ARE TO BE READ IN CONJUNCTION WITH ALL OTHER PLANS AND DOCUMENTS, IN PARTICULAR THE SURFACE WATER DRAINAGE STRATEGY REPORT DOCUMENTED IN APPENDIX 14.6 OF THE ENVIRONMENTAL STATEMENT (TR010060/APP/6.3).
 5. ALL SOLID HATCHES SHOW THE PROPOSED HIGHWAY DRAINAGE CATCHMENTS INCLUDING CARRIAGEWAYS, VERGES AND CUTTINGS. FOR DETAILED INFORMATION ON PAVED AREAS (NEW PAVED AREAS AND/OR INCREASE IN PAVED AREAS) AND PROPOSED DRAINAGE CATCHMENTS, REFER TO ANNEX B OF THE SURFACE WATER DRAINAGE STRATEGY REPORT.

- LEGEND**
- ORDER LIMITS
 - PROPOSED HIGHWAY DRAINAGE OUTFALL
 - PROPOSED ATTENUATION POND
 - PROPOSED ATTENUATION POND ACCESS TRACK
 - PROPOSED GEOCELLULAR ATTENUATION STORAGE
 - INDICATIVE OUTFALL ROUTE
 - PROPOSED SWALE/ VEGETATED DITCH
 - PRE-EARTHWORKS DRAINAGE (PROPOSED DITCH)
 - PRE-EARTHWORKS DRAINAGE (EXISTING DITCH TO BE RETAINED)
 - PRE-EARTHWORKS DRAINAGE (EXISTING DITCH TO BE ABANDONED)
 - PRE-EARTHWORKS DRAINAGE (DIVERTED/ REGRADED DITCH)
 - PRE-EARTHWORKS DRAINAGE (PROPOSED FILTER DRAIN)
 - PRE-EARTHWORKS DRAINAGE (EXISTING FILTER DRAIN TO BE RETAINED)
 - EXISTING CULVERT (TO BE RETAINED)
 - EXISTING CULVERT (TO BE ABANDONED)
 - EXISTING CULVERT (TO BE EXTENDED)
 - PROPOSED CULVERT
 - MINOR WATERCOURSE (TO BE RETAINED)
 - MINOR WATERCOURSE (TO BE ABANDONED)
 - MINOR WATERCOURSE (PROPOSED DIVERSION)
 - PROPOSED FLOOD BUND
 - PROPOSED FLOOD MITIGATION AREA
 - EXISTING WATERBODIES/ MAIN RIVER
 - PROPOSED WATERCOURSE DIVERSION (MAIN RIVER)



| | | | | | | |
|-----|-----------|---------------------------|-------|---------|-------|---------|
| P01 | 22/07/22 | FINAL FOR DCO APPLICATION | PJ | AM | JT | SG |
| P02 | 04/04/23 | DCO CHANGE | VD | AM | AM | RC |
| Rev | Rev. Date | Purpose of revision | Drawn | Checked | Rev'd | Apprv'd |

Development Consent Order Number: TR010060
 Development Consent Order Drawing Number: TR010060/APP/2.13

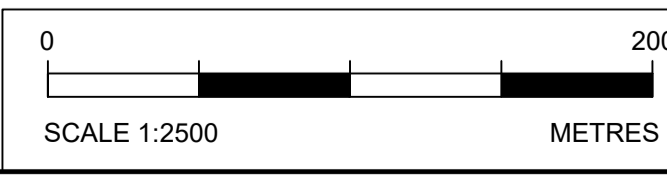


Project: A12 CHELMSFORD TO A120 WIDENING SCHEME

DRAINAGE AND SURFACE WATER PLANS
SHEET 20 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 | JAC |
| Volume | LDC |
| Location | SCHW |
| Type | -DR- |
| Role | D |
| Number | -0820 |

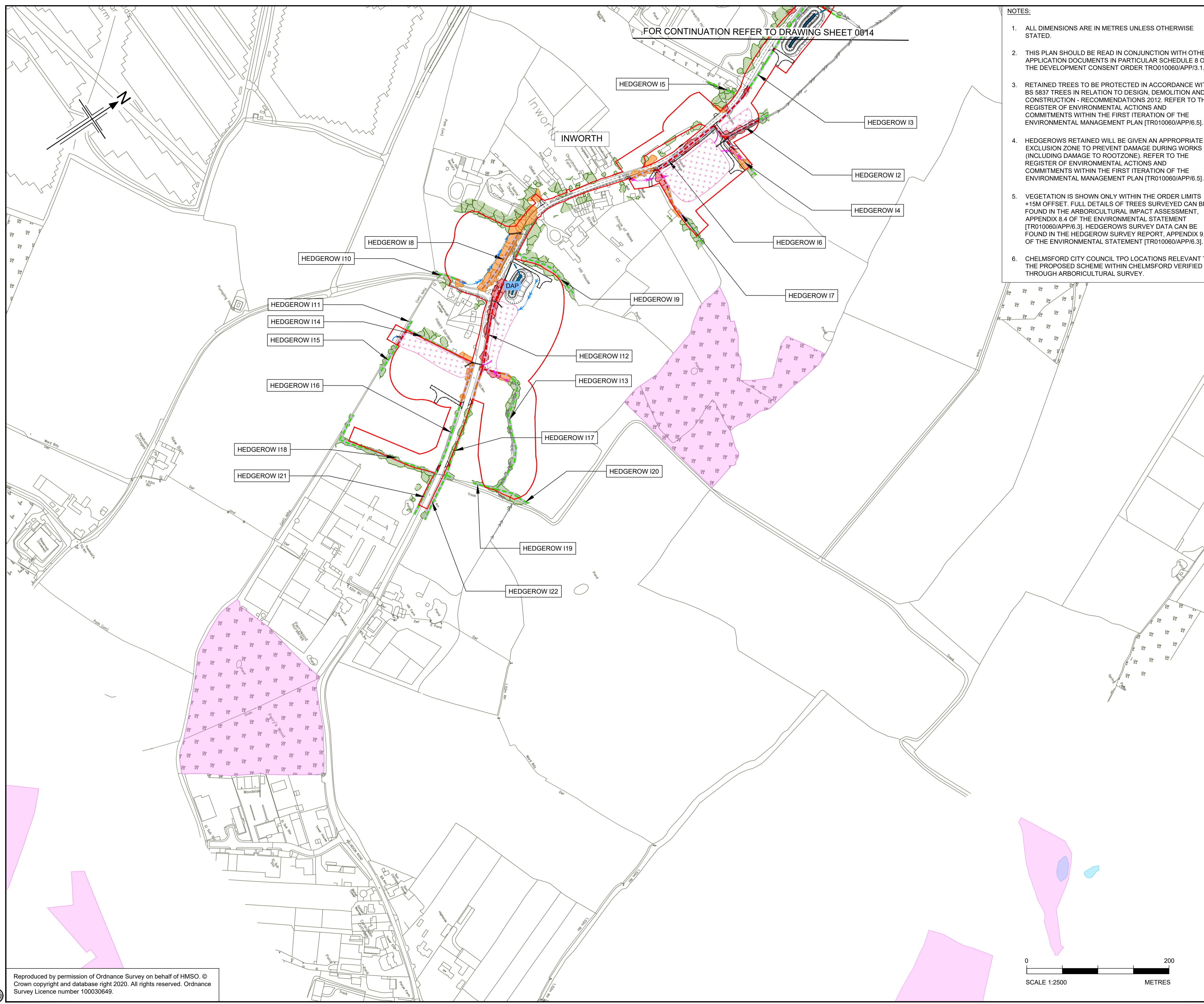
- EXISTING CATCHMENT AREAS:**
- EXISTING CATCHMENT S3-IWR-OU2
 - EXISTING CATCHMENT S3-IWR-OU3
 - EXISTING CATCHMENT S3-IWR-OU4
 - EXISTING CATCHMENT S3-IWR-OU5
 - EXISTING CATCHMENT S3-IWR-OU6
 - EXISTING CATCHMENT S3-IWR-OU7
- PROPOSED CATCHMENT AREAS:**
- PROPOSED CATCHMENT S3-IWR-OU2
 - PROPOSED CATCHMENT S3-IWR-OU5A
 - PROPOSED CATCHMENT S3-IWR-OU5
 - PROPOSED CATCHMENT S3-IWR-OU6
 - PROPOSED CATCHMENT S3-IWR-OU7



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FOR CONTINUATION REFER TO DRAWING SHEET 0014



- NOTES:**
- ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
 - THIS PLAN SHOULD BE READ IN CONJUNCTION WITH OTHER APPLICATION DOCUMENTS IN PARTICULAR SCHEDULE 8 OF THE DEVELOPMENT CONSENT ORDER TR010060/APP/3.1.
 - RETAINED TREES TO BE PROTECTED IN ACCORDANCE WITH BS 5837 TREES IN RELATION TO DESIGN, DEMOLITION AND CONSTRUCTION - RECOMMENDATIONS 2012. REFER TO THE REGISTER OF ENVIRONMENTAL ACTIONS AND COMMITMENTS WITHIN THE FIRST ITERATION OF THE ENVIRONMENTAL MANAGEMENT PLAN [TR010060/APP/6.5].
 - HEDGEROWS RETAINED WILL BE GIVEN AN APPROPRIATE EXCLUSION ZONE TO PREVENT DAMAGE DURING WORKS (INCLUDING DAMAGE TO ROOTZONE). REFER TO THE REGISTER OF ENVIRONMENTAL ACTIONS AND COMMITMENTS WITHIN THE FIRST ITERATION OF THE ENVIRONMENTAL MANAGEMENT PLAN [TR010060/APP/6.5].
 - VEGETATION IS SHOWN ONLY WITHIN THE ORDER LIMITS +15M OFFSET. FULL DETAILS OF TREES SURVEYED CAN BE FOUND IN THE ARBORICULTURAL IMPACT ASSESSMENT, APPENDIX 8.4 OF THE ENVIRONMENTAL STATEMENT [TR010060/APP/6.3]. HEDGEROWS SURVEY DATA CAN BE FOUND IN THE HEDGEROW SURVEY REPORT, APPENDIX 9.7 OF THE ENVIRONMENTAL STATEMENT [TR010060/APP/6.3].
 - CHELMSFORD CITY COUNCIL TPO LOCATIONS RELEVANT TO THE PROPOSED SCHEME WITHIN CHELMSFORD VERIFIED THROUGH ARBORICULTURAL SURVEY.

LEGEND

EXISTING ENVIRONMENTAL FEATURES

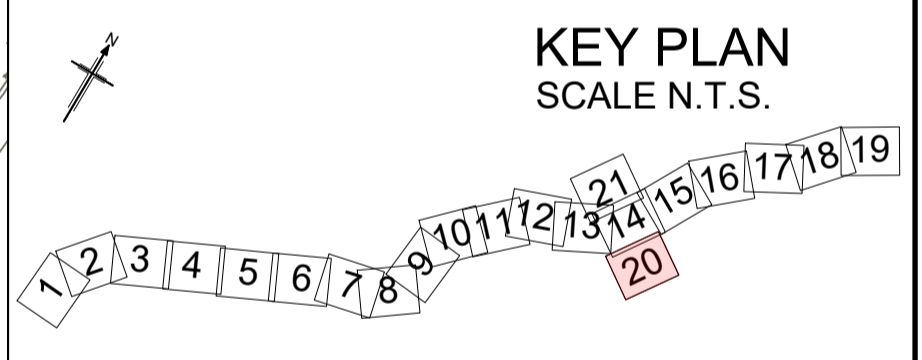
- OPEN WATER
- CONSERVATION AREAS
- ANCIENT WOODLAND
- TREE PRESERVATION ORDER (SHOWN FOR INDIVIDUAL / GROUPS OF TREES)
NOTE: TREE PRESERVATION ORDER DATA IS ILLUSTRATED WITHIN THE EXTENT OF THE ORDER LIMITS PLUS 15M.
- ANCIENT TREE (VA) VERIFIED BY THE WOODLAND TRUST
- NOTABLE TREE (VN) VERIFIED BY THE WOODLAND TRUST
- VETERAN TREE (VV) VERIFIED BY THE WOODLAND TRUST
- POTENTIAL ANCIENT TREE (PA) (INDIVIDUAL)
- POTENTIAL VETERAN TREE (PV) (INDIVIDUAL)
- POTENTIAL ANCIENT TREE (PA) (GROUP)
- POTENTIAL VETERAN TREE (PV) (GROUP)
- A-GRADE TREES IDENTIFIED IN THE ARBORICULTURAL IMPACT ASSESSMENT (DCO DOC REF TR010060/APP/6.3)
- CONFIRMED BAT ROOST TREES (AS RECEIVED FROM ECOLOGICAL SURVEY)
- INDICATIVE CANOPIES OF TREES OVER 3M HIGH (NATIONAL TREE MAP TM © BLUESKY INTERNATIONAL Ltd)
- IMPORTANT HEDGEROWS (HEDGEROW REGULATIONS, 1997) IDENTIFIED IN CHAPTER 9: BIODIVERSITY (DCO DOC REF TR010060/APP/6.1)
- POTENTIALLY IMPORTANT HEDGEROWS (DESKTOP ASSESSMENT)
- HEDGEROWS IDENTIFIED IN CHAPTER 9: BIODIVERSITY (DCO DOC REF TR010060/APP/6.1)

PROPOSED SCHEME FEATURES

- ORDER LIMITS
- CCL PROPOSED TEMPORARY CONSTRUCTION COMPOUND AND/OR LAY DOWN AREAS (CCL)
- SSC PROPOSED TEMPORARY SOIL STORAGE (SSC)
- PROPOSED TEMPORARY HAUL ROAD
- BORROW PIT
- DRAINAGE ATTENUATION POND

TREES AND HEDGEROWS TO BE REMOVED / AT RISK OF REMOVAL

- TREES AT RISK OF BEING REMOVED
- TREES TO BE REMOVED
- HEDGEROWS AT RISK OF BEING REMOVED
- HEDGEROWS TO BE REMOVED



| | | | | | | |
|-----|-----------|--------------------------|-------|---------|-------|---------|
| P01 | 02/08/22 | FINAL FOR DCO SUBMISSION | DR | HA | HM | DT |
| P02 | 03/04/23 | DEADLINE 4 UPDATE | DR | HB | HM | RM |
| P03 | 04/04/23 | DCO CHANGE | DR | HA | HB | 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/2.14

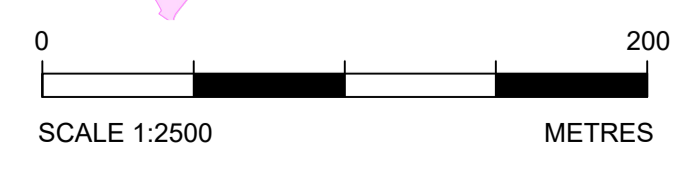
Client: **national highways**

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

Drawing title: **RETAINED AND REMOVED VEGETATION PLANS CH. 18300 TO 19600/20000 SHEET 20 OF 21**

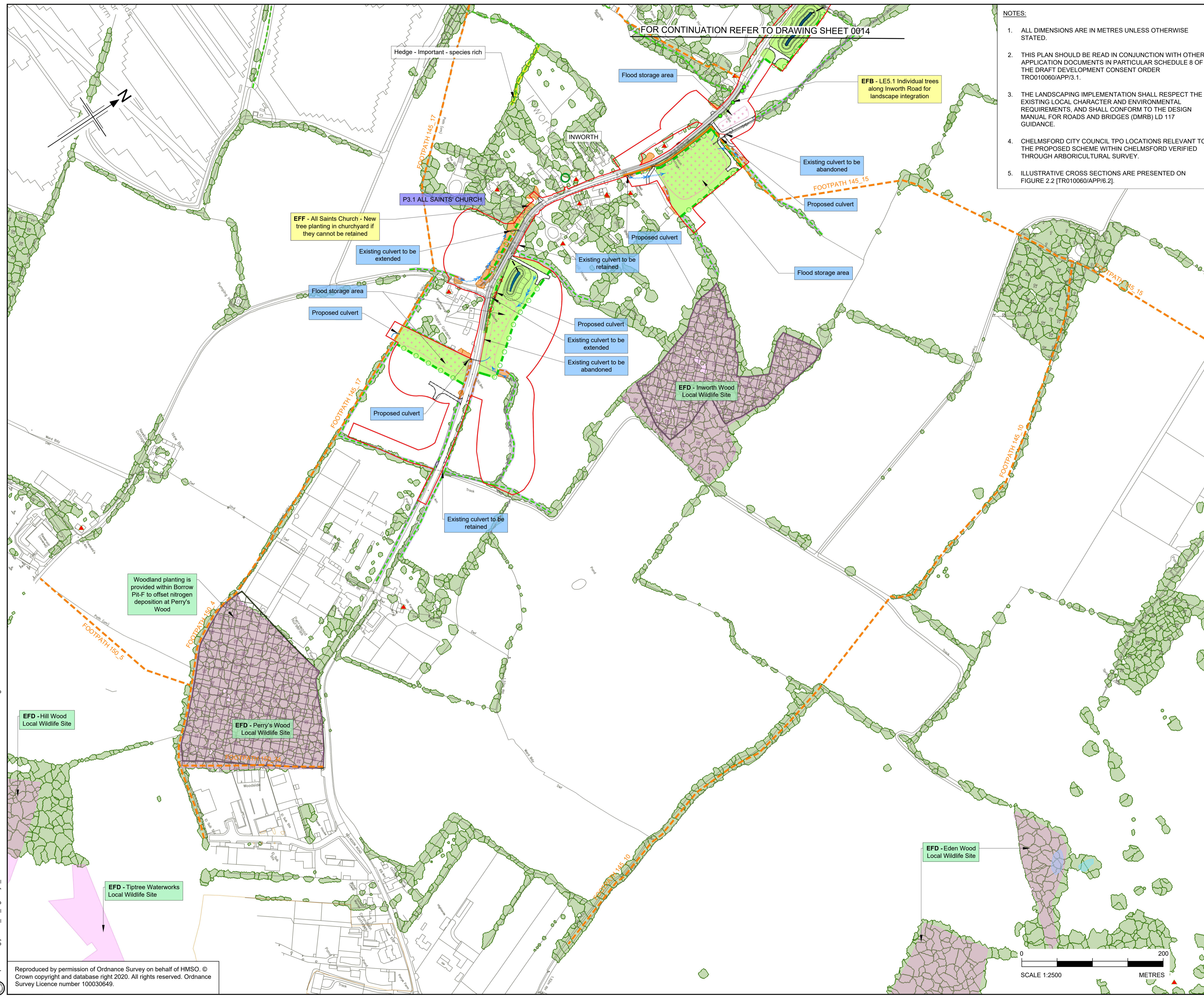
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|-------------------------|---------------------------------|----------------|--|
| Regulation | REGULATION 113 & 114 | | |
| Purpose of issue | DCO EXAM | | |
| State Code | Statutory Procedures and Powers | | |
| Project Stage | PCF 4 | Drawing status | |
| Scale at A1 (841x594mm) | 1:2500 | S4 | |
| Jacobs No. | B36601D1 | Rev | |
| Client no. | HE551497 | P03 | |

Drawing number: HE551497 - JAC - LDC - SCHW - DR - L - 0120



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FOR CONTINUATION REFER TO DRAWING SHEET 0014

- 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 TR010060/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 [TR010060/APP/6.2].

FIGURE 2.1

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

- 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.

| | | | | | | | | | | | | | | | | | |
|-----|-----------|---------------------|---|---|---|---|---|----|----|----|----|----|-------|---------|-------|---------|----|
| P01 | 04/04/23 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| P02 | 03/04/23 | DEADLINE 4 UPDATE | | | | | | | | | | | DR | HA | HB | RM | |
| P03 | 04/04/23 | DCO CHANGE | | | | | | | | | | | DR | HA | HB | 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**

SHEET 20 OF 21

| | | | |
|-----------------------------|---------------------------------|----------------|--------|
| Regulation | REGULATION 113 & 114 | | |
| 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 | P03 | |
| Drawing number | PIN | Originator | Volume |
| HE551497 - JAC - LDC - SCHW | | | |
| | Location | Type | Role |
| | | | |

Scale: 1:2500 METRES

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