

**A12 Chelmsford to A120 widening scheme**

**TR010060**

**DEVELOPMENT CONSENT ORDER  
CHANGE APPLICATION**

**Map Book 6: Junction 25  
Part 2 of 2**

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 of the Change Application.

Each map book 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 6: Junction 25

The new design maintains the Old Rectory roundabout, which will become a partially signalised roundabout. This will maximise the existing infrastructure in the design and minimise tree loss within the Old Rectory roundabout island.

A list of plans that have been updated to show the detail of this change is included in the Schedule of Plans. Map Book 6 consists of two parts with the drawings in each part indicated in the table as follows:

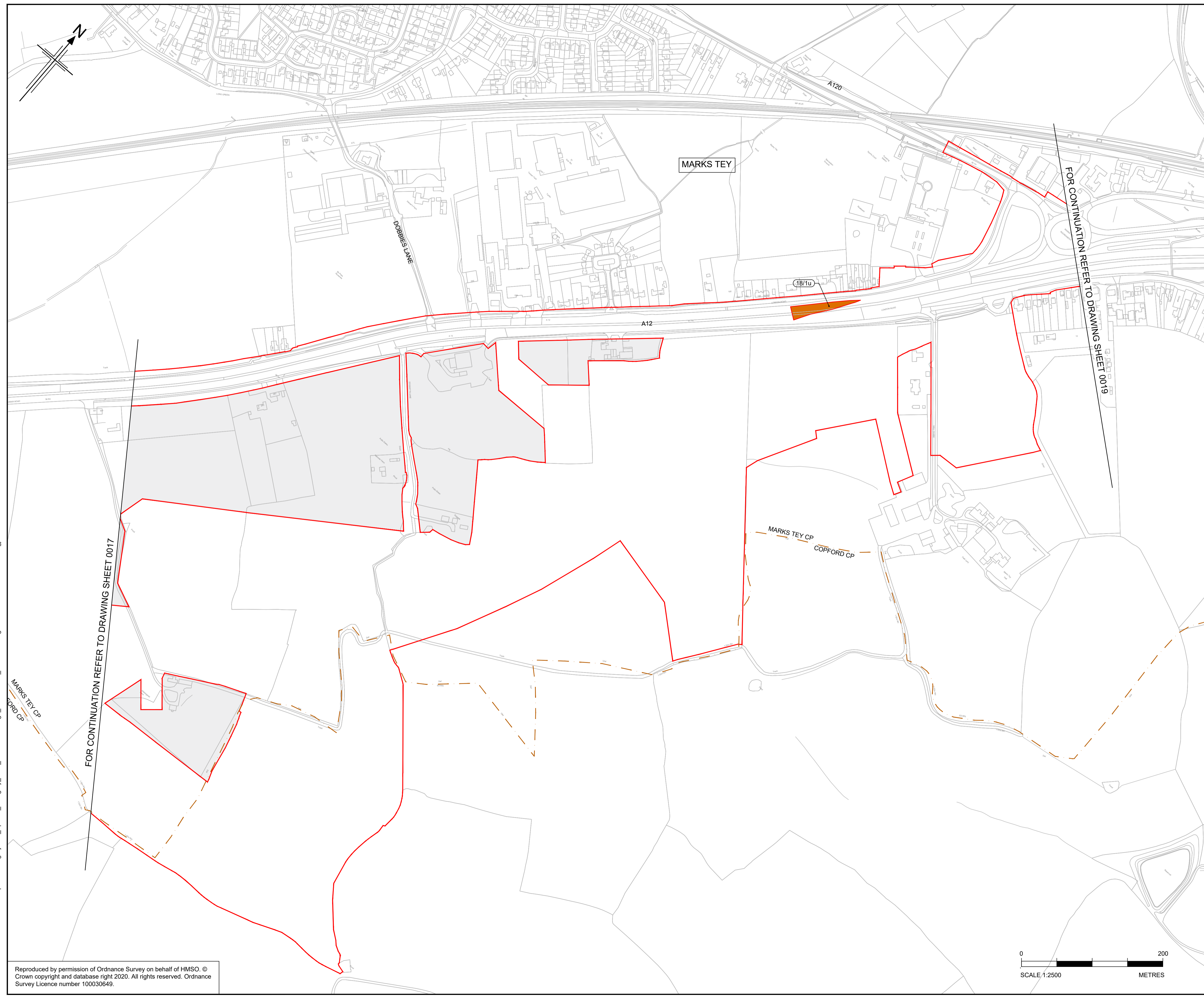
- Map Book 6 Part 1
- Map Book 6 Part 2



Drawing Number	Drawing Title	Revision
<b>PART 1</b>		
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-0038	General Arrangement Plans Ch. 36700 to Ch. 38200 Sheet 18 of 21	P03
HE551497-JAC-LDC-SCHW-DR-C-0039	General Arrangement Plans Ch. 38200 to Ch. 39355 Sheet 19 of 21	P02
HE551497-JAC-LDC-SCHW-DR-C-0922	DCO Works Plans Legend	P03
HE551497-JAC-LDC-SCHW-DR-C-0918	DCO Works Plans – Permanent Works Sheet 18 of 21	P02
HE551497-JAC-LDC-SCHW-DR-C-0919	DCO Works Plans – Permanent Works Sheet 19 of 21	P02
HE551497-JAC-LDC-SCHW-DR-C-1948	DCO Works Plans – Utility Diversions Sheet 18 of 21	P02
HE551497-JAC-LDC-SCHW-DR-C-1949	DCO Works Plans – Utility Diversions Sheet 19 of 21	P02
HE551497-ARD-LDC-SCHW-DR-X-0318	Land Plans Sheet 18 of 21	P03
HE551497-ARD-LDC-SCHW-DR-X-0319	Land Plans Sheet 19 of 21	P02
HE551497-JAC-LDC-SCHW-DR-C-0118	Traffic Regulation Measures Speed Limits Sheet 18 of 21	P02
HE551497-JAC-LDC-SCHW-DR-C-0119	Traffic Regulation Measures Speed Limits Sheet 19 of 21	P02
HE551497-JAC-LDC-SCHW-DR-C-0218	Traffic Regulation Measures Movement Restrictions Sheet 18 of 21	P02
HE551497-JAC-LDC-SCHW-DR-C-0219	Traffic Regulation Measures Movement Restrictions Sheet 19 of 21	P02
HE551497-JAC-LDC-SCHW-DR-C-0318	Revocation of Existing Traffic Orders Sheet 18 of 21	P02

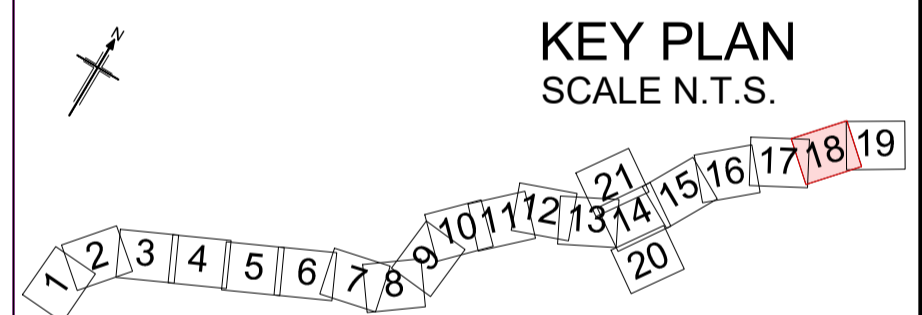
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<b>PART 1</b>		
HE551497-JAC-LDC-SCHW-DR-C-0319	Revocation of Existing Traffic Orders Sheet 19 of 21	P02
HE551497-JAC-LDC-SCHW-DR-C-0618	Classification of Roads Plans Sheet 18 of 21	P02
HE551497-JAC-LDC-SCHW-DR-C-0619	Classification of Roads Plans Sheet 19 of 21	P02
<b>PART 2</b>		
HE551497-ARD-LDC-SCHW-DR-X-0118	Special Category Land Plans Sheet 18 of 21	P02
HE551497-ARD-LDC-SCHW-DR-X-0119	Special Category Land Plans Sheet 19 of 21	P02
HE551497-JAC-LDC-SCHW-DR-C-0518	Streets, Rights of Way and Access Plans Sheet 18 of 21	P06
HE551497-JAC-LDC-SCHW-DR-C-0519	Streets, Rights of Way and Access Plans Sheet 19 of 21	P06
HE551497-JAC-LDC-S3_J25-DR-C-0102	Engineering Sections (Plans and Profiles) Junction 25 Sheet 2 of 6	P02
HE551497-JAC-LDC-S3_J25-DR-C-0104	Engineering Sections (Plans and Profiles) Junction 25 Sheet 3 of 6	P02
HE551497-JAC-LDC-SCHW-DR-D-0818	Drainage and Surface Water Plans Sheet 18 of 21	P02
HE551497-JAC-LDC-SCHW-DR-D-0819	Drainage and Surface Water Plans Sheet 19 of 21	P02
HE551497-JAC-LDC-SCHW-DR-L-0118	Retained and Removed Vegetation Plans Ch. 36700 to Ch. 38200 Sheet 18 of 21	P02
HE551497-JAC-LDC-SCHW-DR-L-0119	Retained and Removed Vegetation Plans Ch. 38200 to Ch. 39355 Sheet 19 of 21	P02
HE551497-JAC-LDC-SCHW-DR-L-0218	Environmental Statement Environmental Masterplan Ch. 36700 to Ch. 38200 Sheet 18 of 21	P02
HE551497-JAC-LDC-SCHW-DR-L-0219	Environmental Statement Environmental Masterplan Ch. 38200 to Ch. 39355 Sheet 19 of 21	P02

N:\CAD Team\A12 Land Plans\Special Category\A12\_Special\_Category\_Land\_Plans\R2-Change\_31032023.dwg - 31/03/2023 15:34:10 - S18 - giones



- 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
  - SPECIAL CATEGORY LAND - OPEN SPACE - PERMANENT ACQUISITION OF ALL INTERESTS IN LAND
  - SPECIAL CATEGORY LAND - OPEN SPACE - LAND TO BE USED TEMPORARILY
  - SPECIAL CATEGORY LAND - OPEN SPACE - LAND TO BE USED TEMPORARILY AND NEW RIGHTS TO BE ACQUIRED PERMANENTLY
  - SPECIAL CATEGORY LAND - REPLACEMENT LAND
  - LAND NOT SUBJECT TO POWERS IN THE ORDER
  - (XX/XX) PLOT NUMBERS
  - ADMINISTRATIVE BOUNDARY
  - PARISH BOUNDARIES



P02	31/03/2023	DCO CHANGE	GJ	CC	KC	ND
P01	01/07/2022	DCO APPLICATION	GJ	C.C	K.C	N.D
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd

Development Consent Order Number:	Development Consent Order Drawing Number:
TR010060	TR010060/APP/2.5

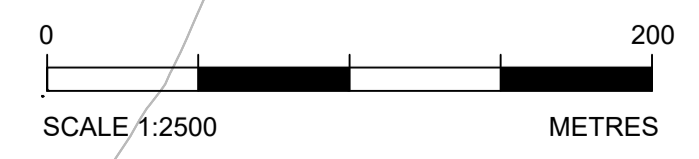


Project  
**A12 CHELMSFORD TO A120 WIDENING SCHEME**

Drawing title  
**SPECIAL CATEGORY LAND PLANS  
SHEET 18 OF 21**

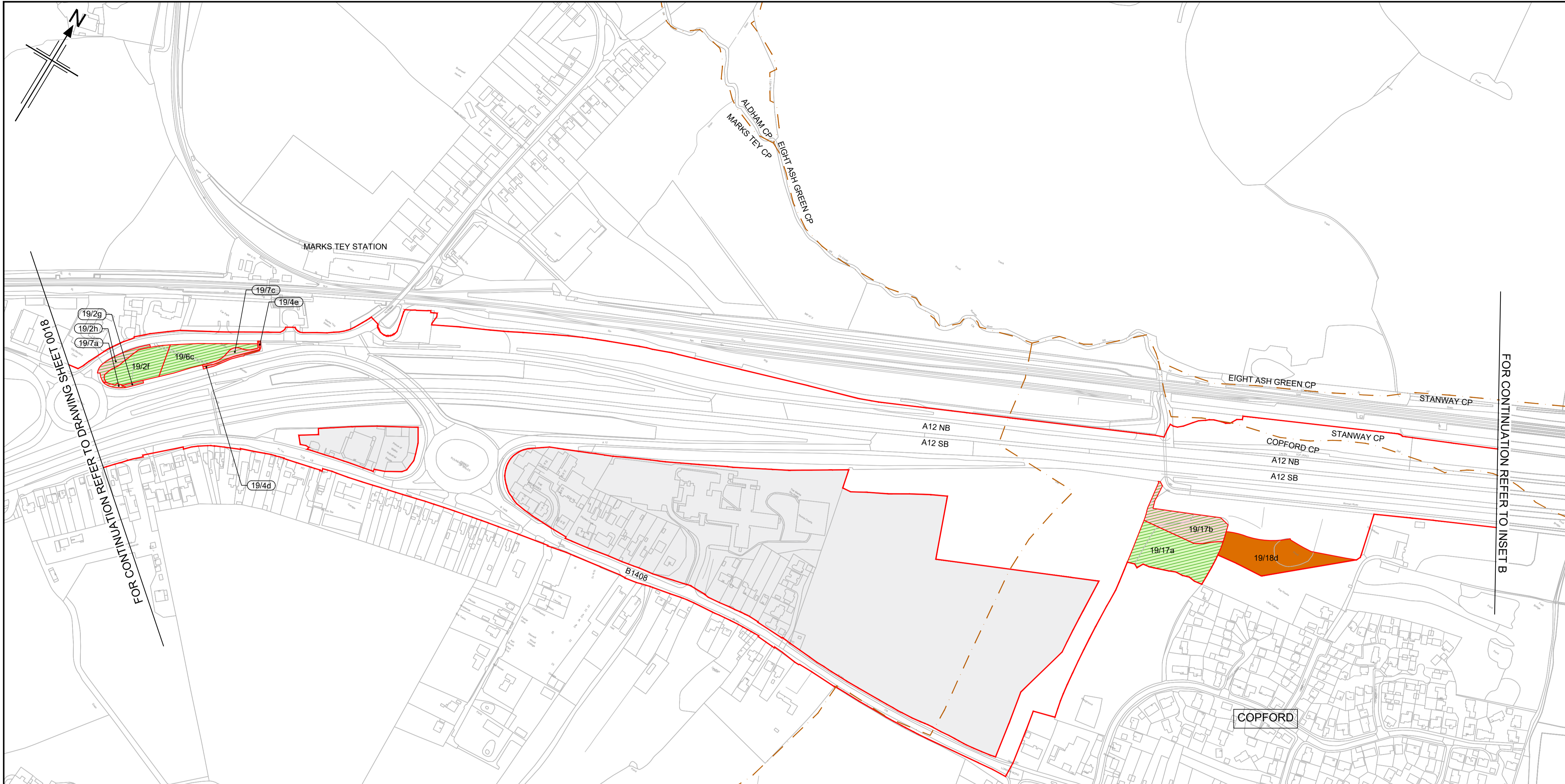
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Purpose of issue	DCO EXAM	
State Code	Statutory Powers and Procedures	
Project Stage	PCF4	Drawing status
Scale at A1 (841x594mm)	1:2500	S4
Jacobs No.	B36601D1	Rev
Client no.	HE551497	P02

Drawing number	PIN	Originator	Volume
HE551497	ARD	LDC	
Location	SCHW	Type	Number
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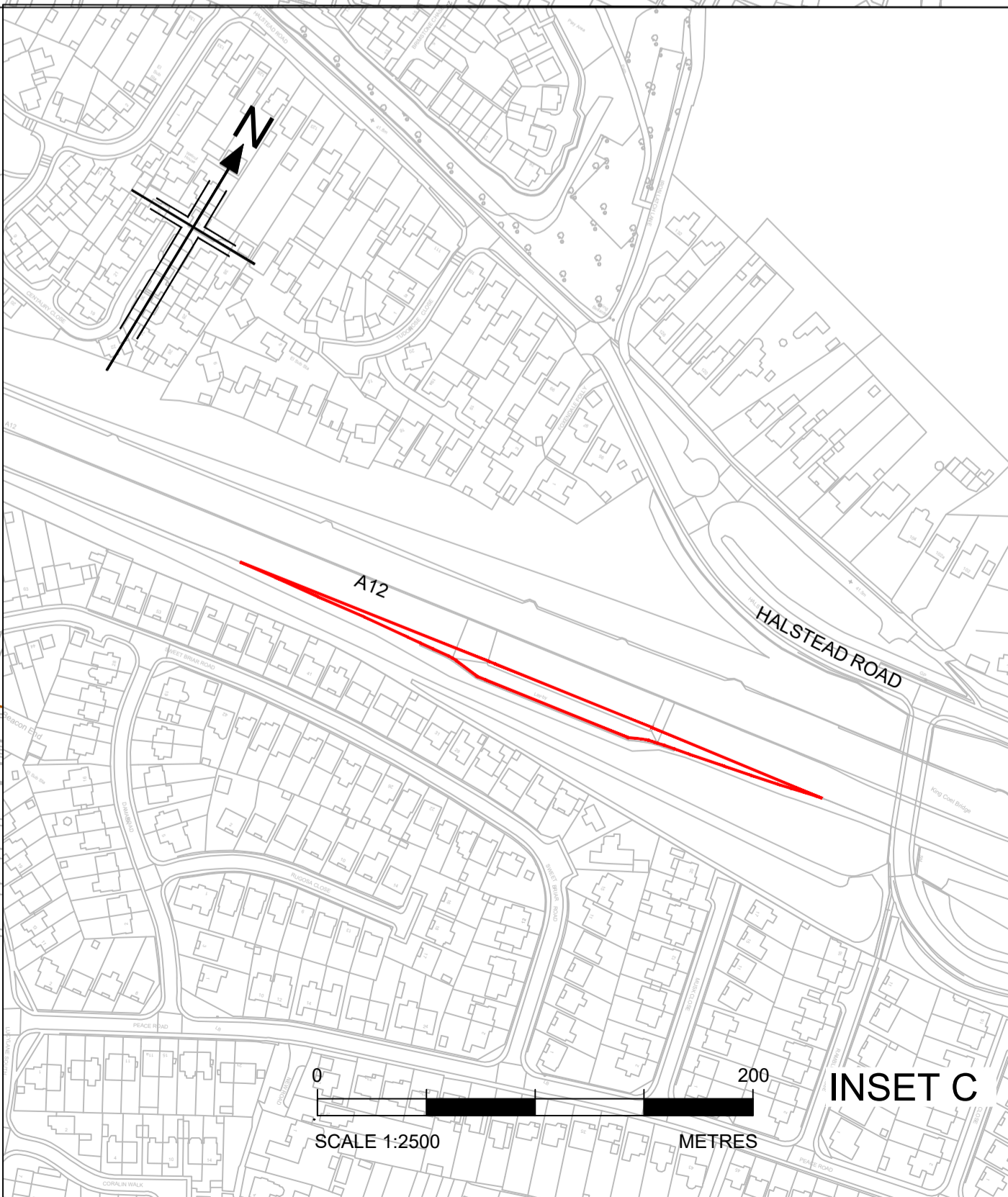
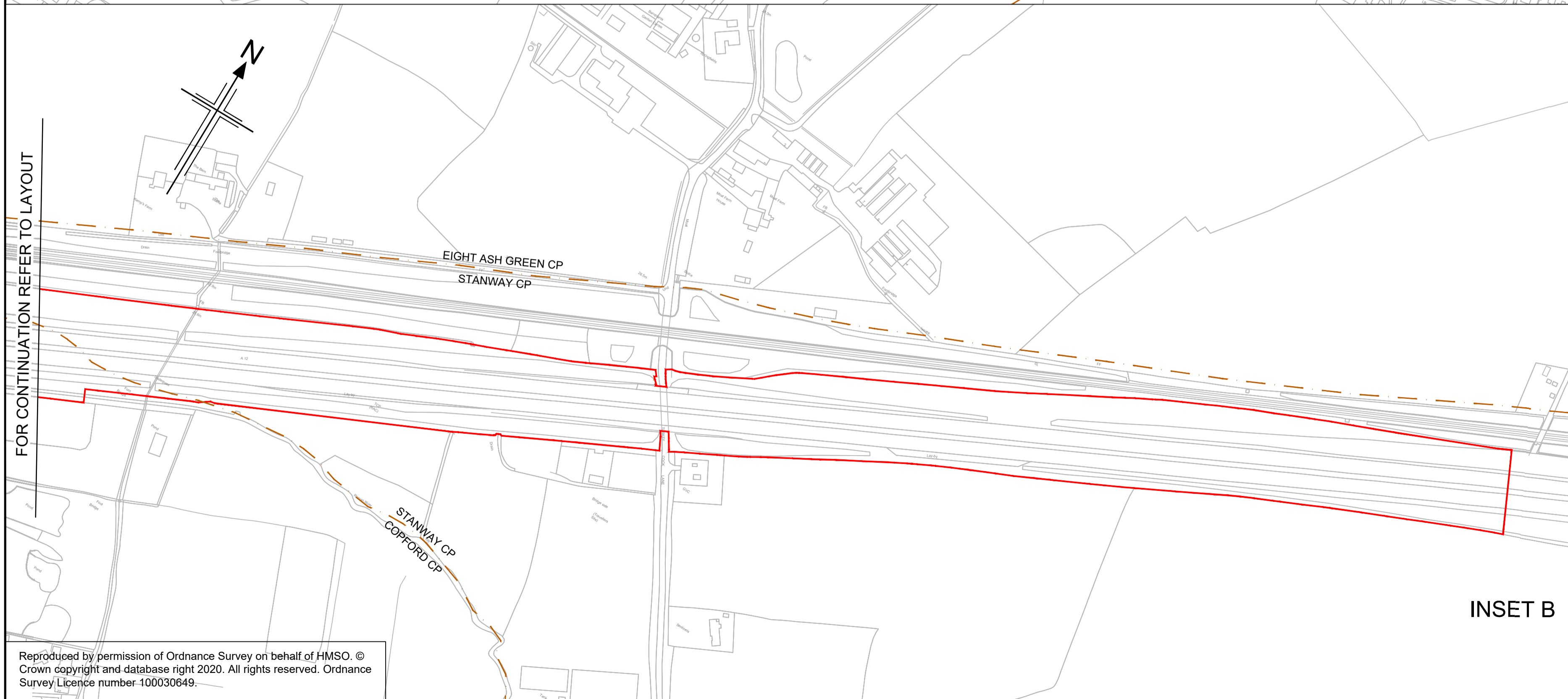
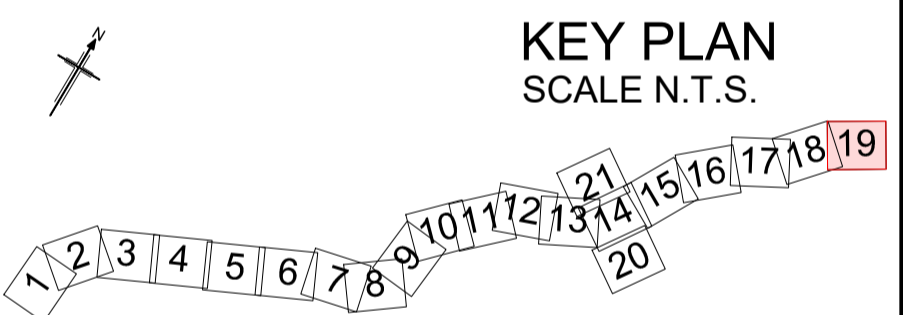
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  - SPECIAL CATEGORY LAND - REPLACEMENT LAND
  - LAND NOT SUBJECT TO POWERS IN THE ORDER
  - PLOT NUMBERS (XX/XX)
  - ADMINISTRATIVE BOUNDARY
  - PARISH BOUNDARIES

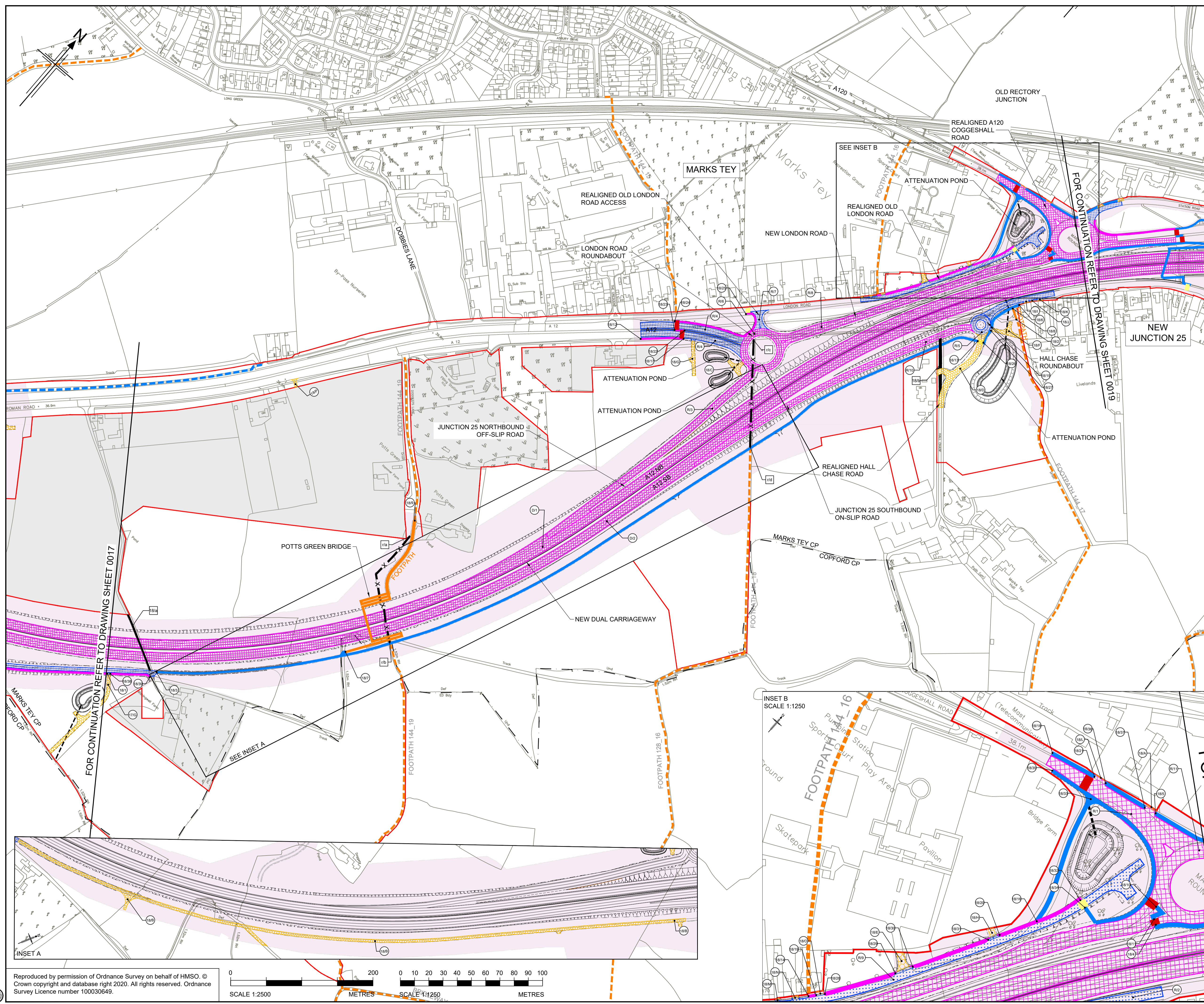


P02	31/03/2023	DCO CHANGE	GJ	CC	KC	ND
P01	01/07/2022	DCO APPLICATION	GJ	C.C	K.C	N.D
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
Development Consent Order Number: TR010060			Development Consent Order Drawing Number: TR010060/APP/2.5			
Client:						
Project: A12 CHELMSFORD TO A120 WIDENING SCHEME						
Drawing title: SPECIAL CATEGORY LAND PLANS SHEET 19 OF 21						
Regulation: REGULATION 113 & 114			Purpose of issue: DCO EXAM			
State Code: Statutory Powers and Procedures			Project Stage: PCF4			
Scale at A1 (841x594mm): 1:2500			Drawing status: S4			
Jacobs No.: B36601D1			Rev: P02			
Client no.: HE551497			Drawing number: HE551497 - ARD - LDC - SCHW - DR - X - 0119			
Drawing number: HE551497			PIN: ARD		Volume: LDC - SCHW - DR - X - 0119	

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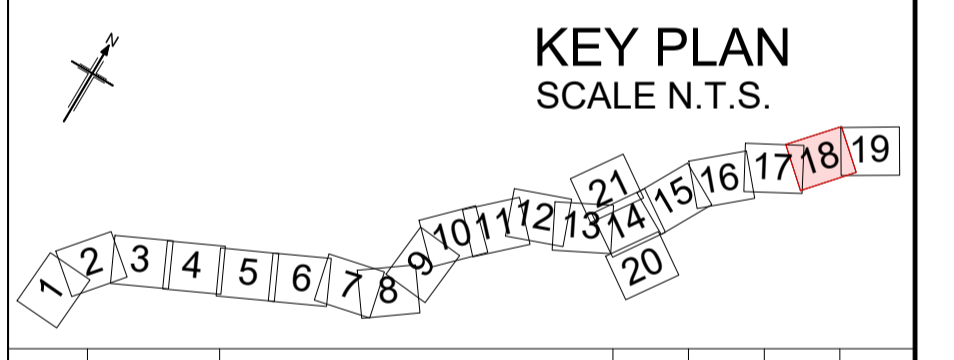
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- NOTES**
1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
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  3. THIS PLAN SHOULD BE READ IN CONJUNCTION WITH OTHER APPLICATION DOCUMENTS.

- 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 (A/1)
  - EXISTING PRIVATE MEANS OF ACCESS TO BE STOPPED UP - REFERENCE LABEL (1/a)
  - NEW PRIVATE MEANS OF ACCESS - REFERENCE LABEL (1/A)
  - PUBLIC RIGHT OF WAY TO BE STOPPED UP - REFERENCE LABEL (a/a)
  - NEW FOOTWAY / FOOTPATH / CYCLE TRACK / BRIDLEWAY - REFERENCE LABEL (1/1)
  - ORDER LIMITS
  - PARISH BOUNDARY
  - ADMINISTRATIVE BOUNDARY
  - PUBLIC RIGHT OF WAY TO BE STOPPED UP (X)
  - 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



Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'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

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



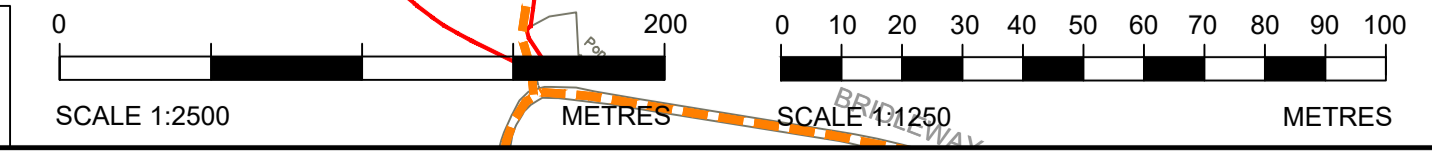
Project: A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title: **STREETS, RIGHTS OF WAY AND ACCESS PLANS**  
SHEET 18 OF 21

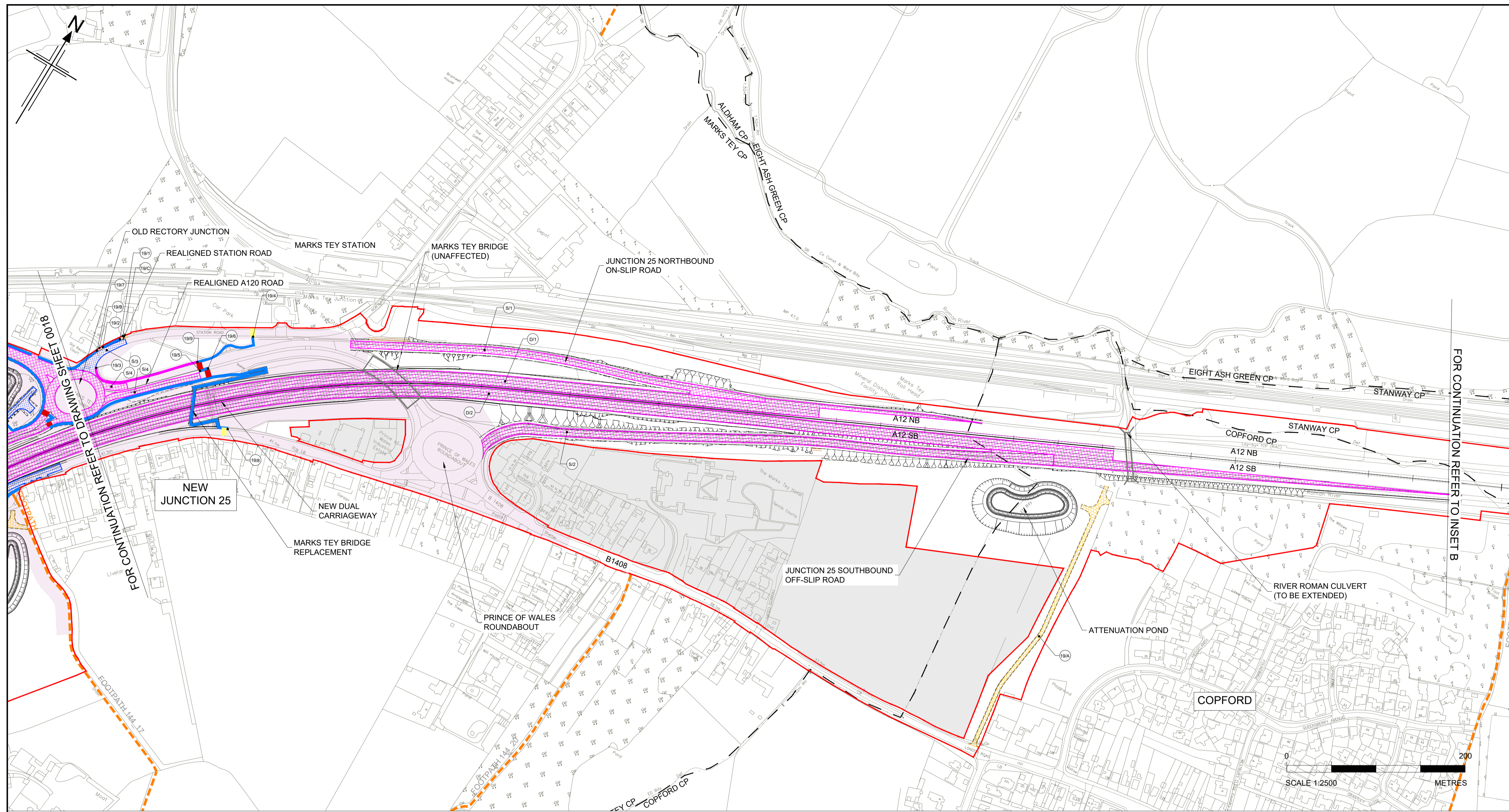
Regulation	REGULATION 8(1)(k)		
Purpose of issue	DCO EXAM		
State Code	Statutory Procedures and Powers		
Project Stage	PCF 4	Drawing status	S4
Scale at A1 (841x594mm)	AS SHOWN	Rev	P06
Jacobs No.	B36601D1		
Client no.	HE551497		
Drawing number	HE551497 - JAC - LDC - SCHW	Originator	Volume
PIN		Location	Type   Role   Number
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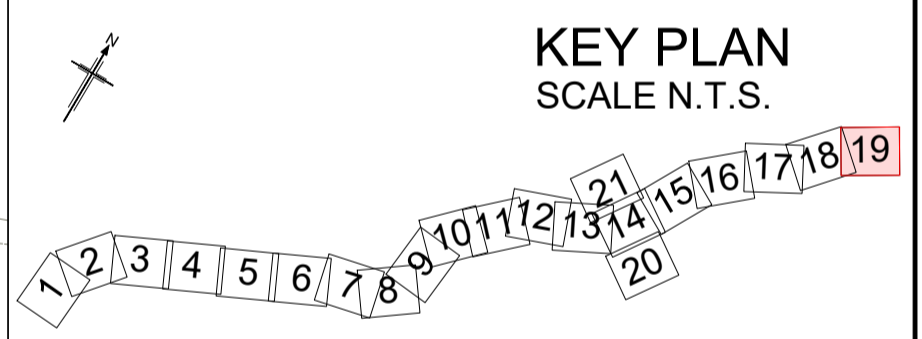




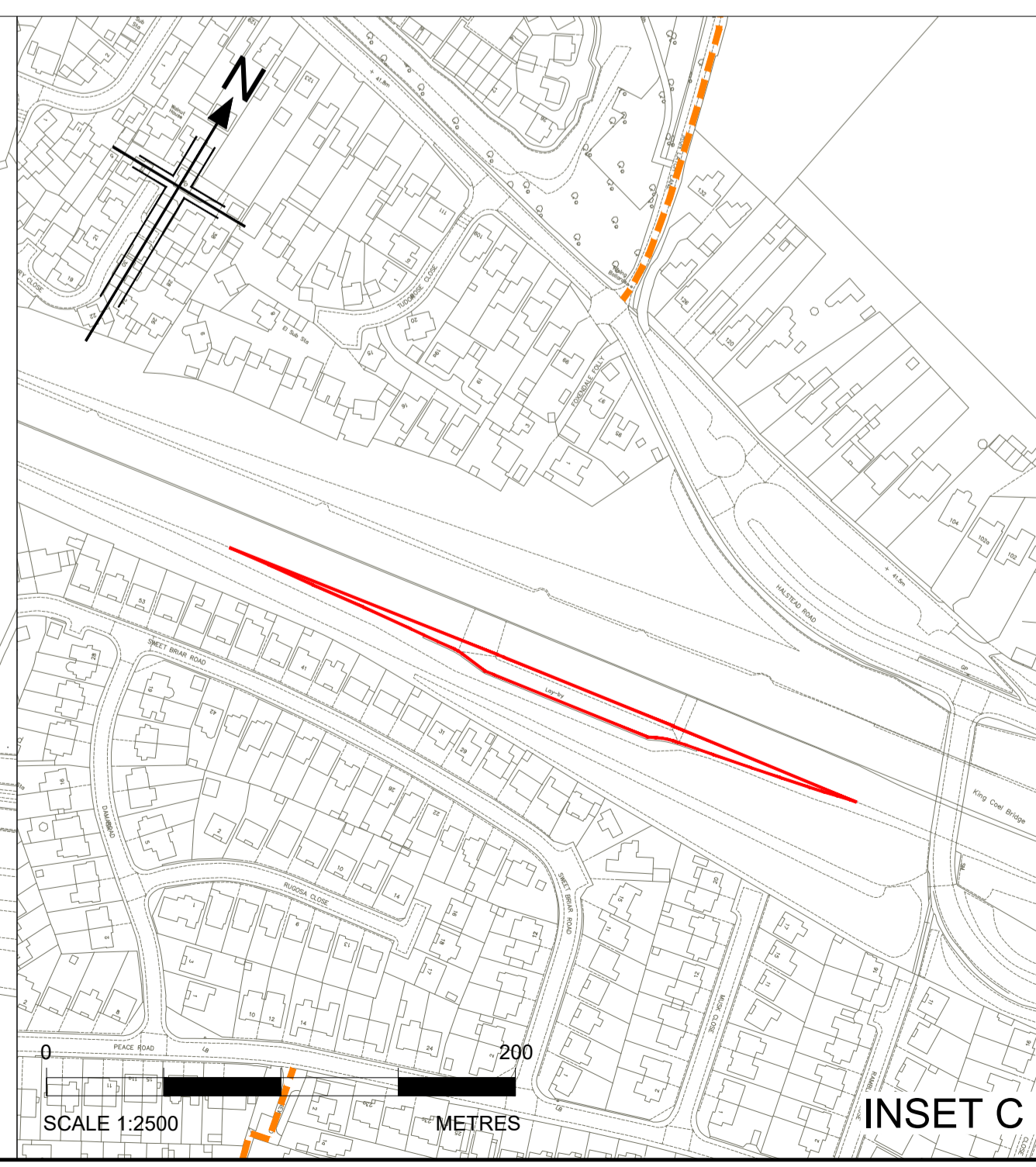
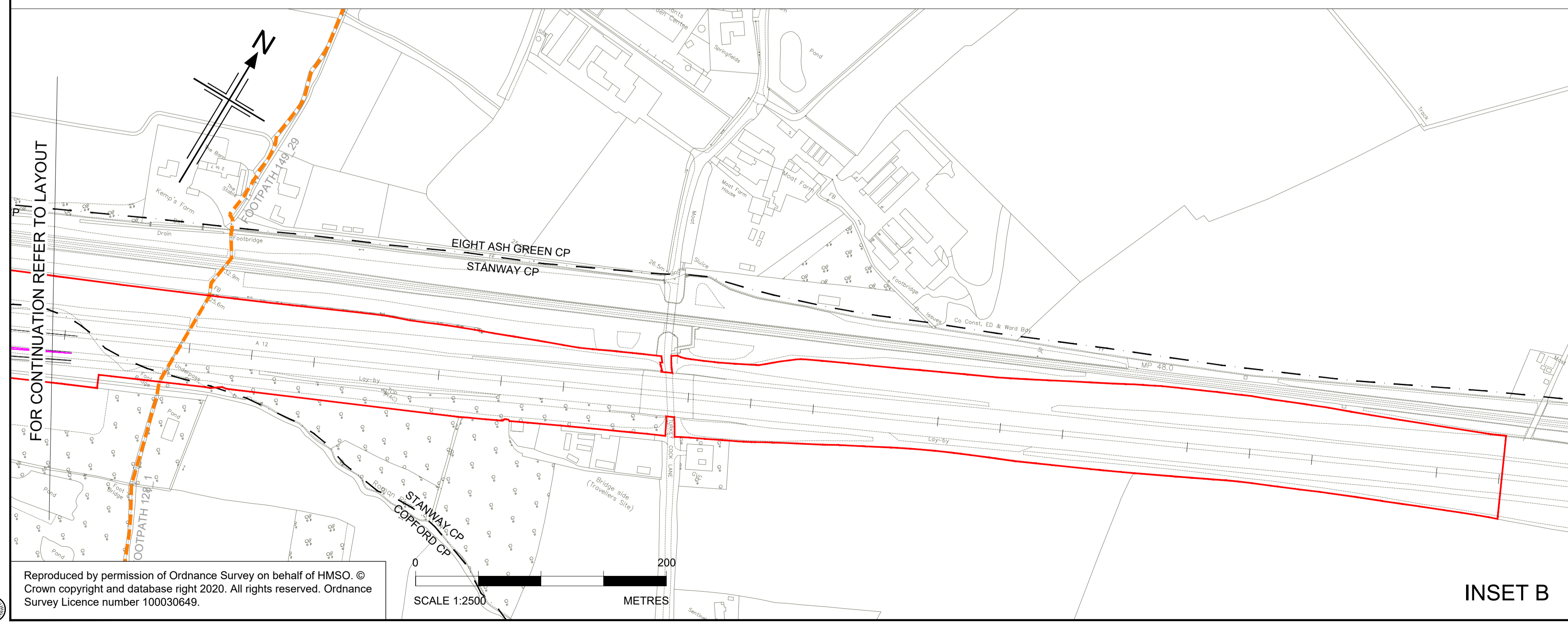


- NOTES**
- ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
  - THE BASE MAPPING IS BASED ON ORDNANCE SURVEY (O/S) DATA.
  - THIS PLAN SHOULD BE READ IN CONJUNCTION WITH OTHER APPLICATION DOCUMENTS.

- 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



Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'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



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

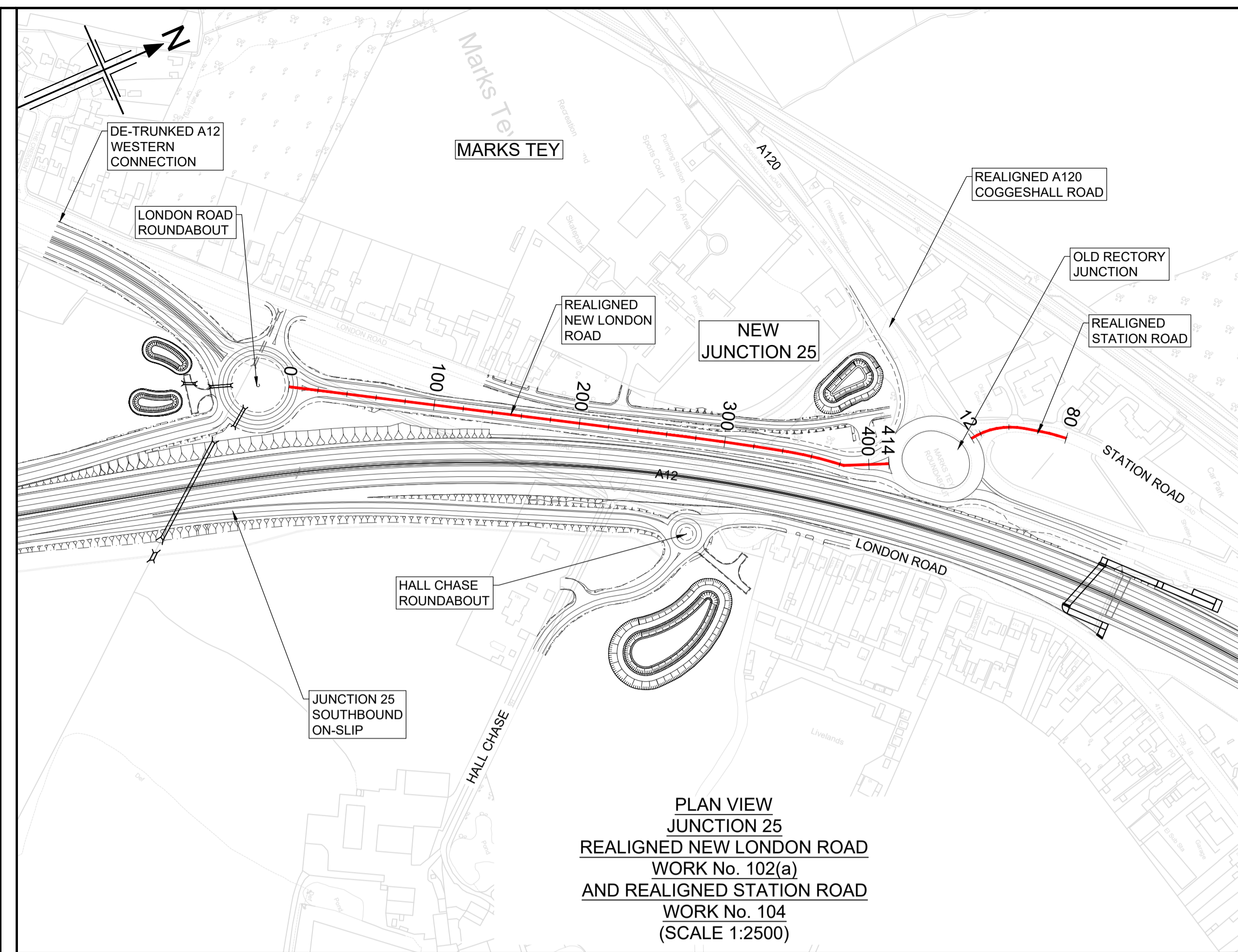
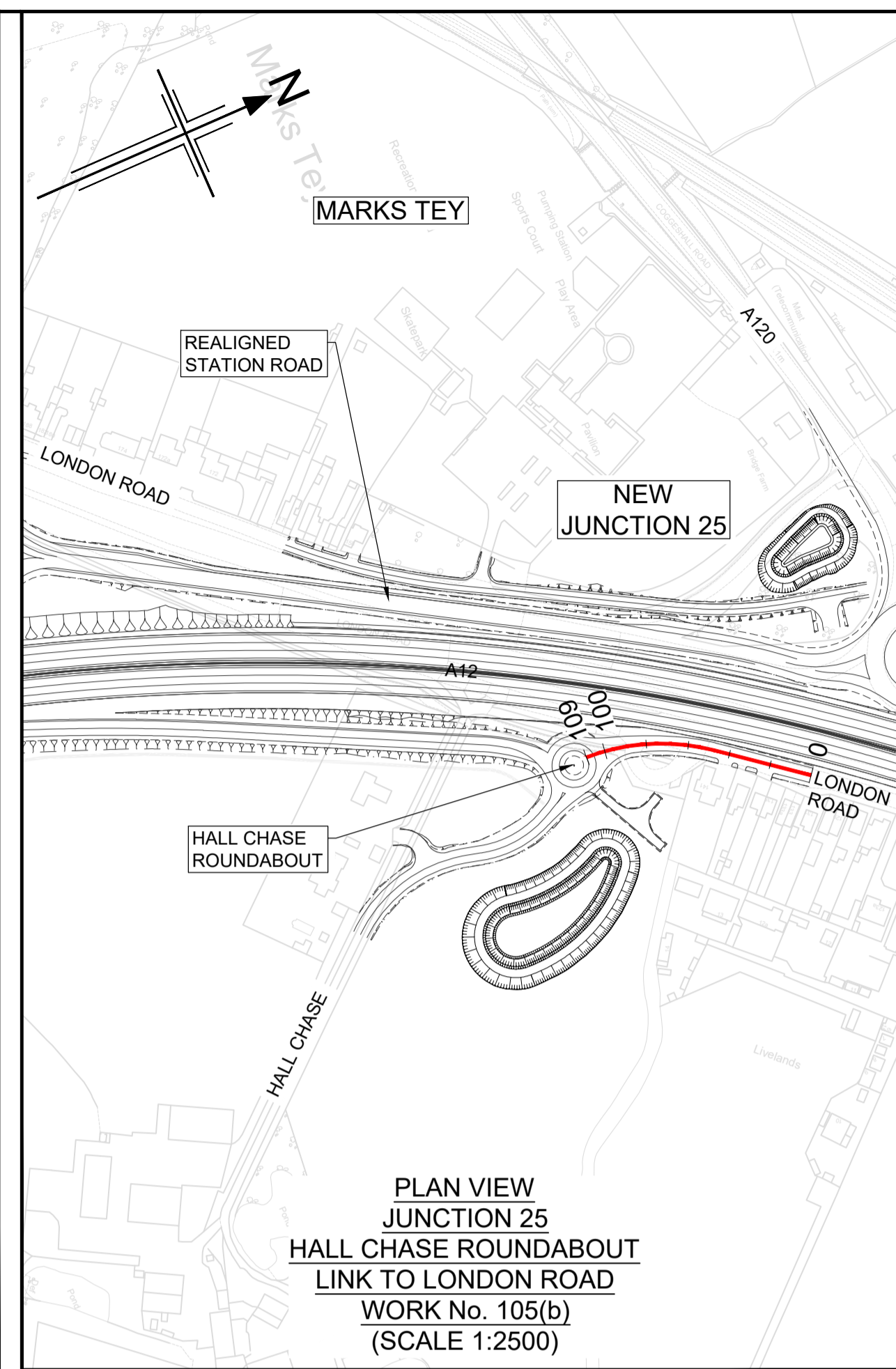
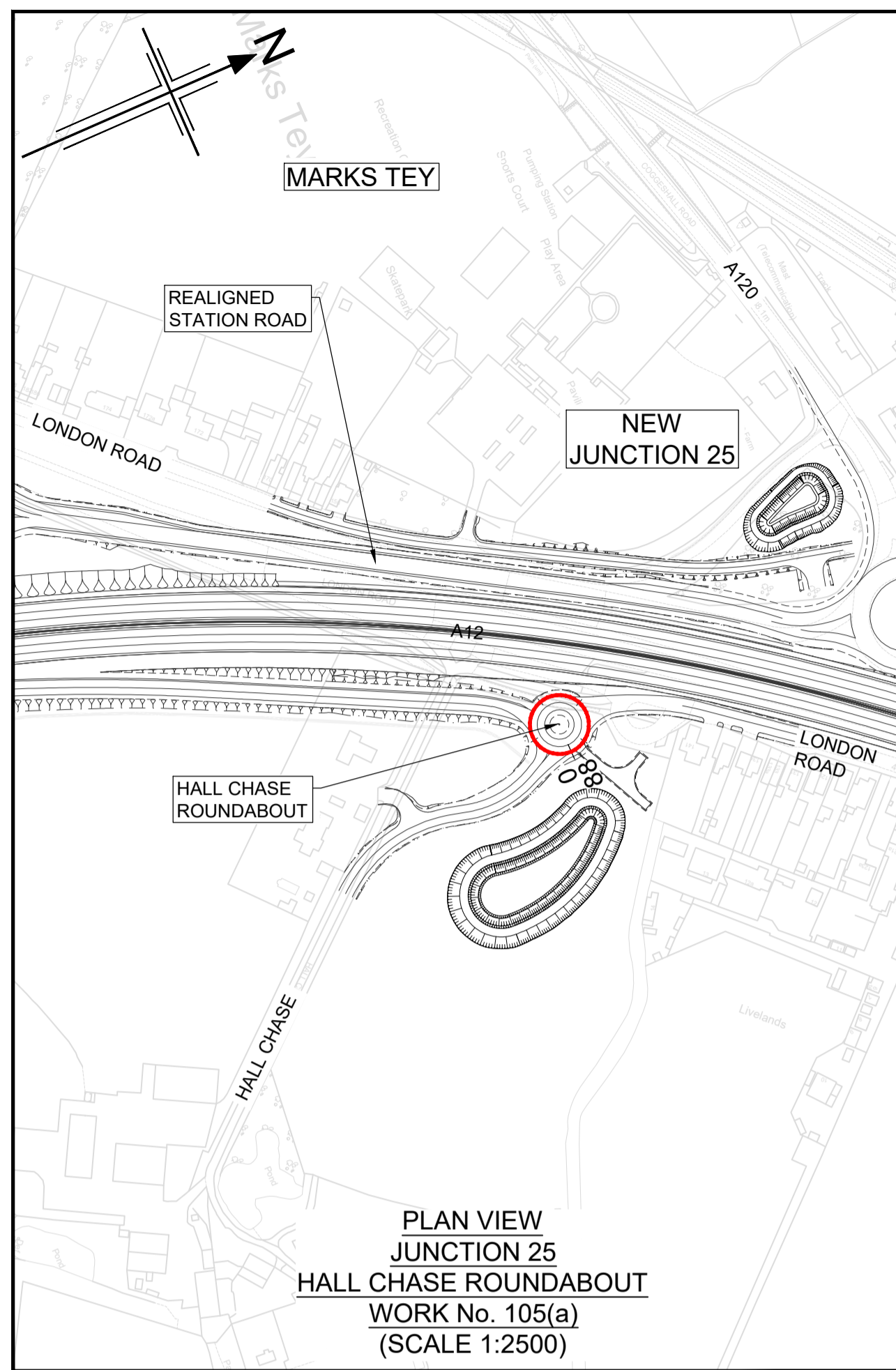
Client: **national highways**

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

Drawing title: **STREETS, RIGHTS OF WAY AND ACCESS PLANS SHEET 19 OF 21**

Regulation	REGULATION 8(1)(k)
Purpose of issue	DCO EXAM
State Code	Statutory Procedures and Powers
Project Stage	PCF 4
Scale at A1 (841x594mm)	1:2500
Jacobs No.	B36601D1
Client no.	HE551497
Drawing number	HE551497 - JAC - LDC - SCHW -DR- C -0519
PIN	JAC
Originator	LDC
Volume	S4
Location	SCHW
Type	-DR-
Role	C
Number	0519





**NOTES**

- ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
- THIS DESIGN SHOWN ON THE ENGINEERING SECTION DRAWINGS WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT. ANY CHANGES WILL BE LIMITED TO WITHIN THE ORDER LIMITS AND ANY OTHER CONSTRAINTS INCLUDED IN THE DEVELOPMENT CONSENT ORDER (TR010060/APP/3.1)
- WORK NO. REFERENCES ARE DESCRIBED IN SCHEDULE 1 (AUTHORISED DEVELOPMENT) TO THE DEVELOPMENT CONSENT ORDER (TR010060/APP/3.1)
- THESE ENGINEERING SECTION DRAWINGS SHOULD BE READ IN CONJUNCTION WITH ALL OTHER PLANS AND DOCUMENTATION, IN PARTICULAR THE WORKS PLANS (TR010060/APP/2.2) AND SCHEDULE 1 (AUTHORISED DEVELOPMENT) TO THE DEVELOPMENT CONSENT ORDER (TR010060/APP/3.1)
- THE BASE MAPPING IS BASED ON ORDNANCE SURVEY (O/S) DATA. ALL LEVELS ARE GIVEN BY REFERENCE TO THE OS DATUM.
- FOR SHEET LAYOUT PLAN REFER TO:  
HE551497-JAC-LDC-SCHW-DR- C-2000 FOR MAINLINE PROFILES.  
HE551497-JAC-LDC-SCHW-DR- C-2020 FOR JUNCTION PROFILES.  
HE551497-JAC-LDC-SCHW-DR- C-2021 FOR SIDE ROAD PROFILES.

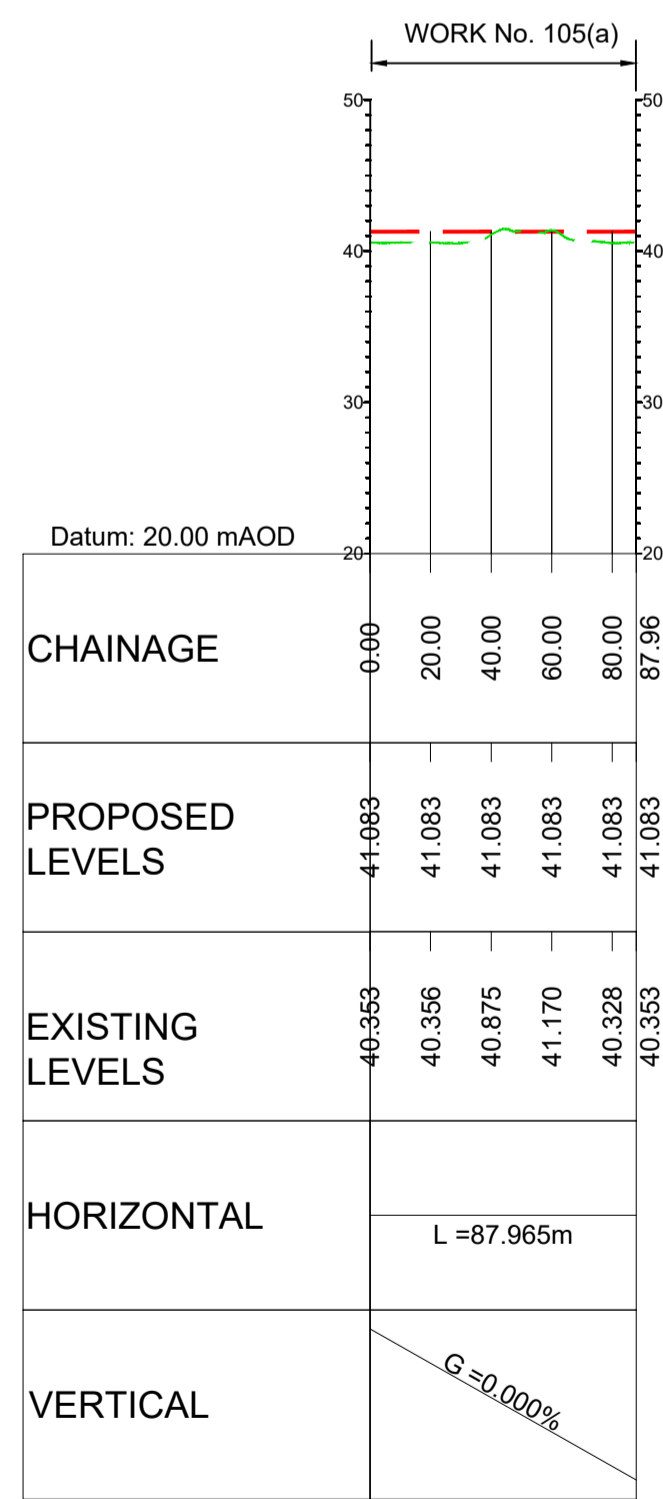
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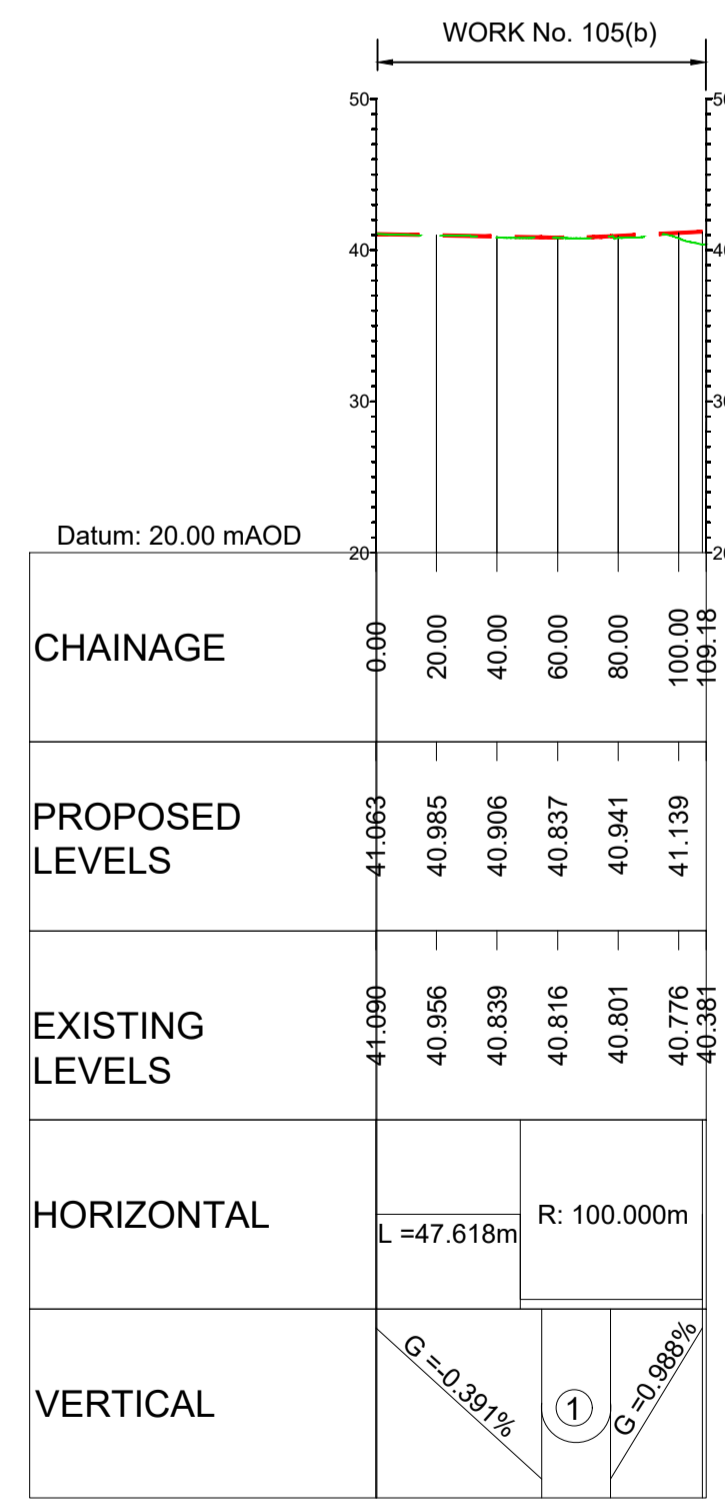
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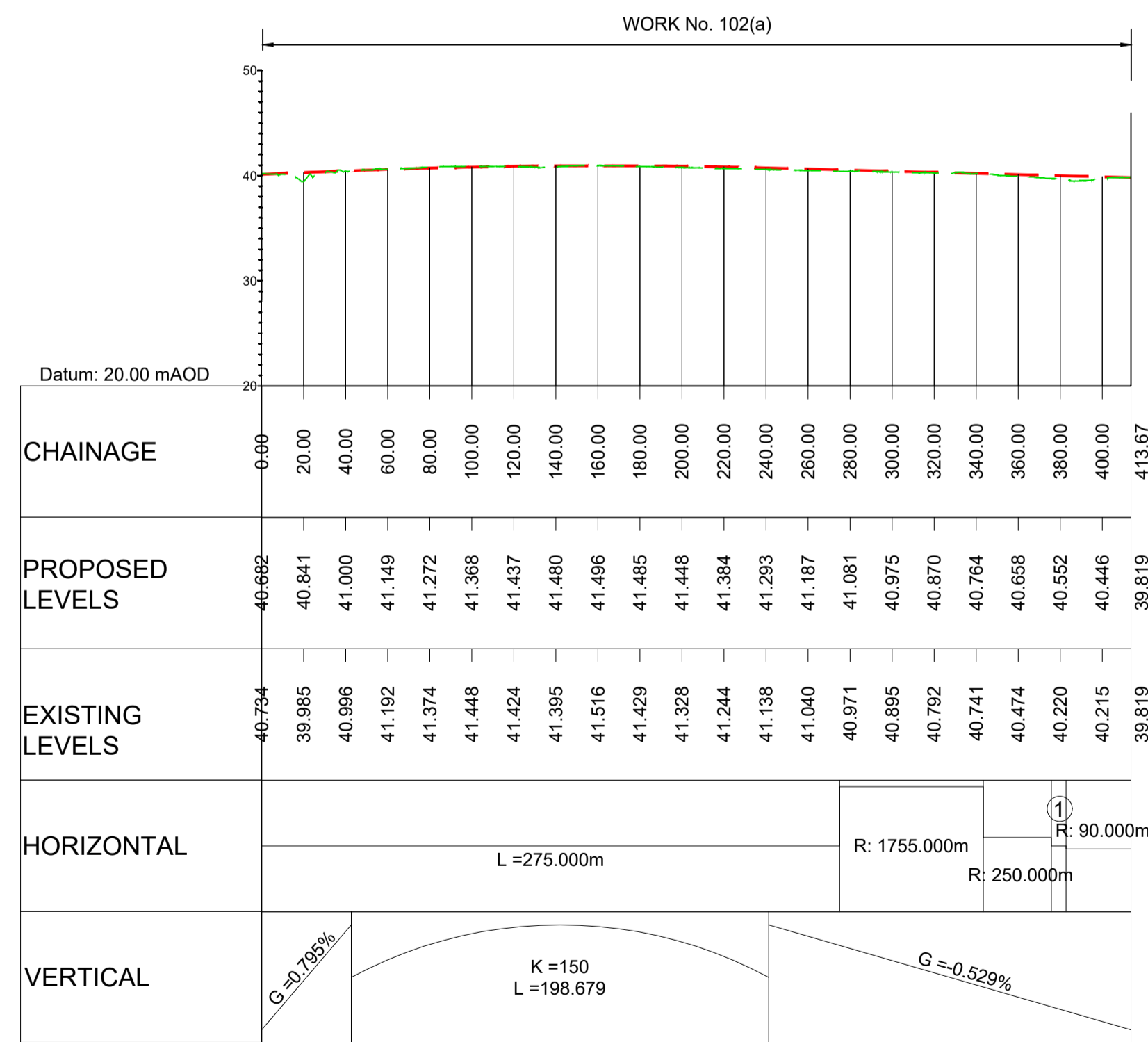
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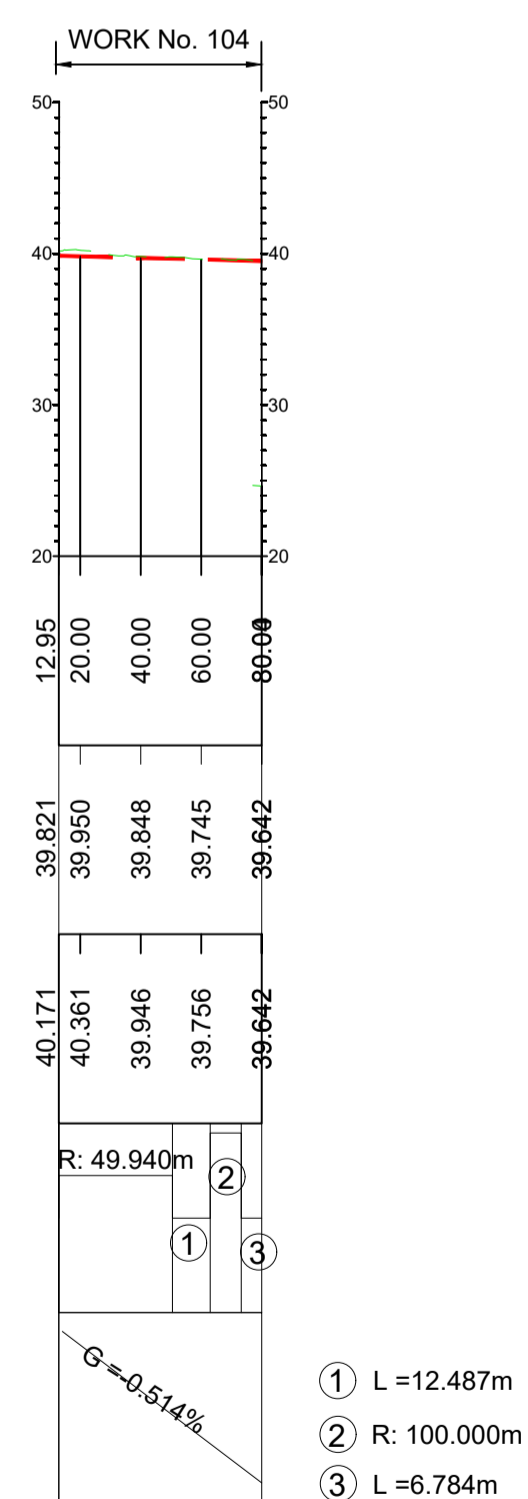
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JUNCTION 25 - HALL CHASE ROUNDABOUT  
(SCALE H=1:2500, V=1:500)



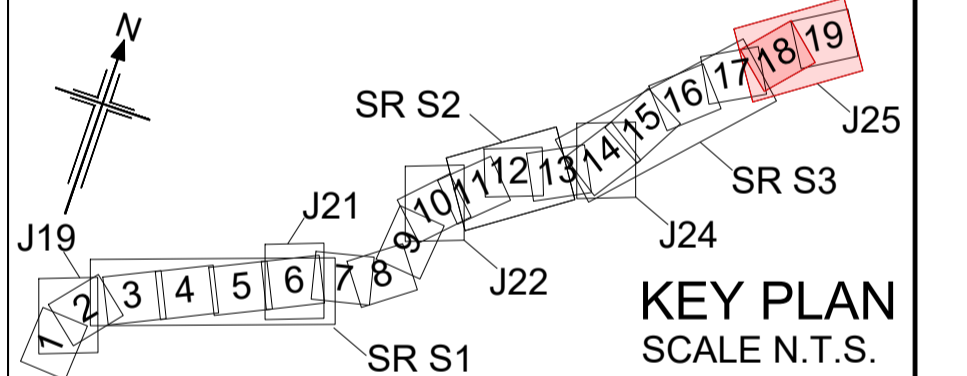
LONGITUDINAL SECTION  
HALL CHASE ROUNDABOUT  
LINK TO LONDON ROAD  
(SCALE H=1:2500, V=1:500)



LONGITUDINAL SECTION  
JUNCTION 25  
REALIGNED NEW LONDON ROAD  
(SCALE H=1:2500, V=1:500)



LONGITUDINAL SECTION  
JUNCTION 25  
REALIGNED STATION ROAD  
(SCALE H=1:2500, V=1:500)



P01	01/08/22	FINAL FOR DCO SUBMISSION	AE	CA	CA	DT
P02	04/04/23	DCO CHANGE	OB	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/2.11

Client: **national highways**

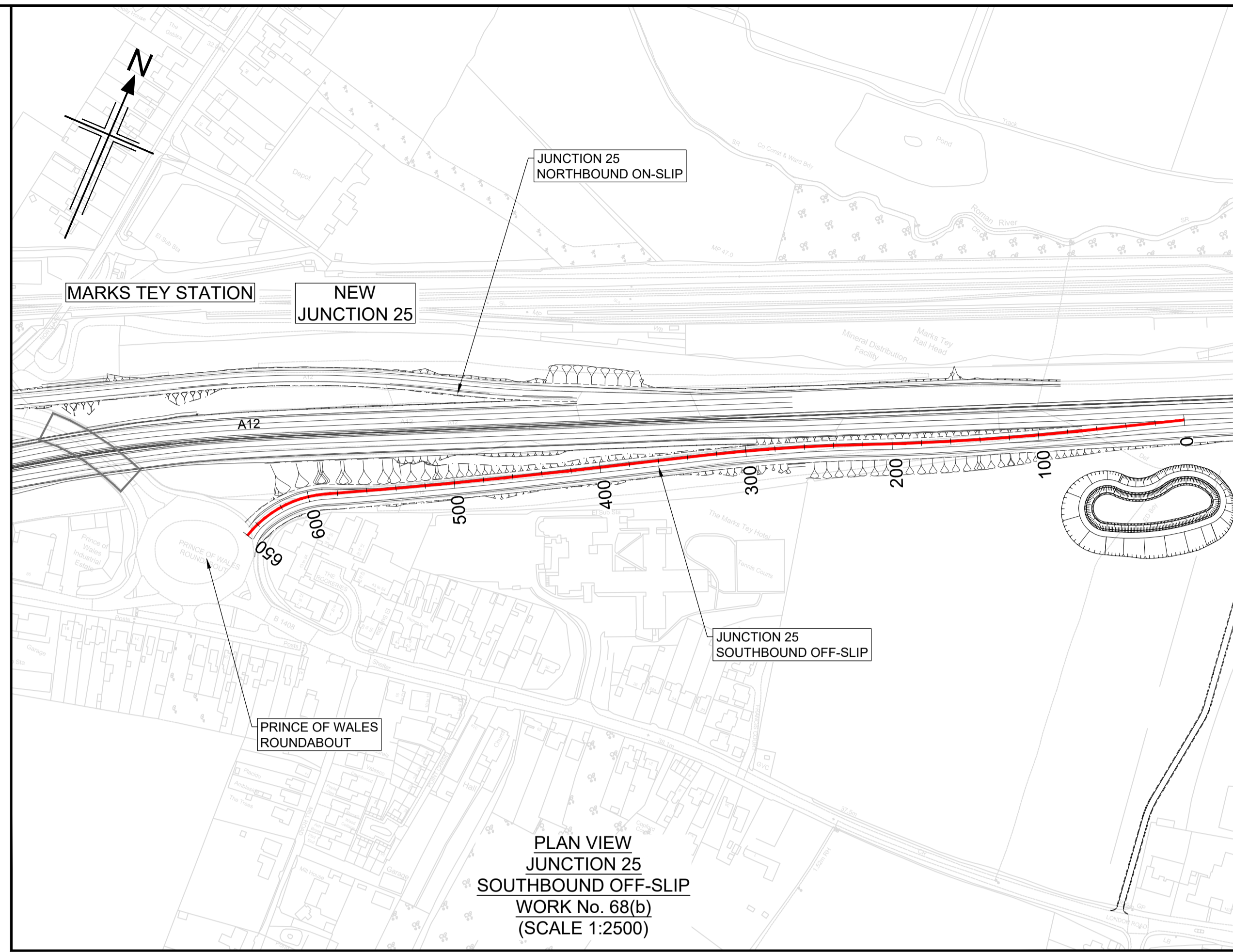
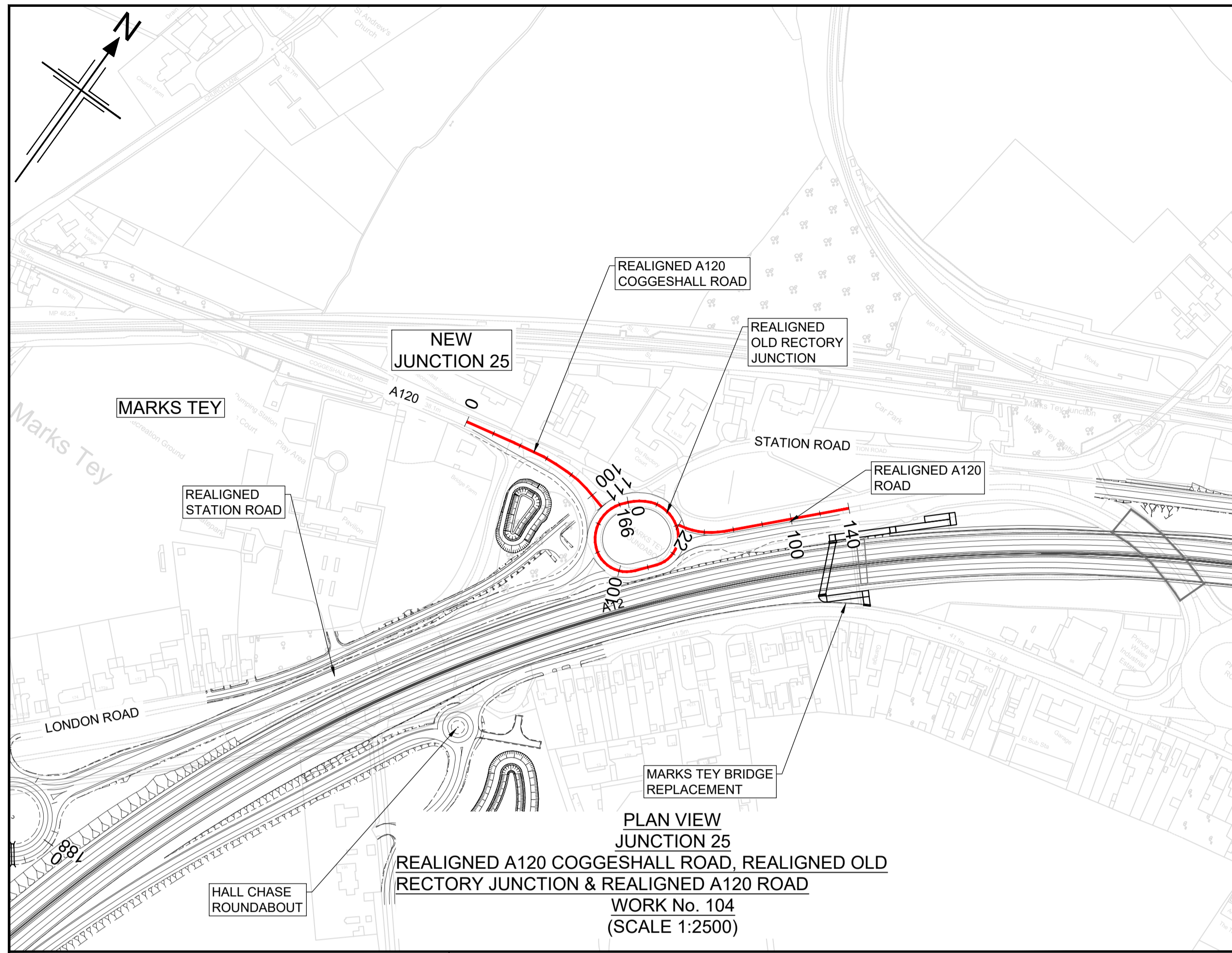
Project: A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title: **ENGINEERING SECTIONS (PLAN AND PROFILES) JUNCTION 25 SHEET 2 OF 6**

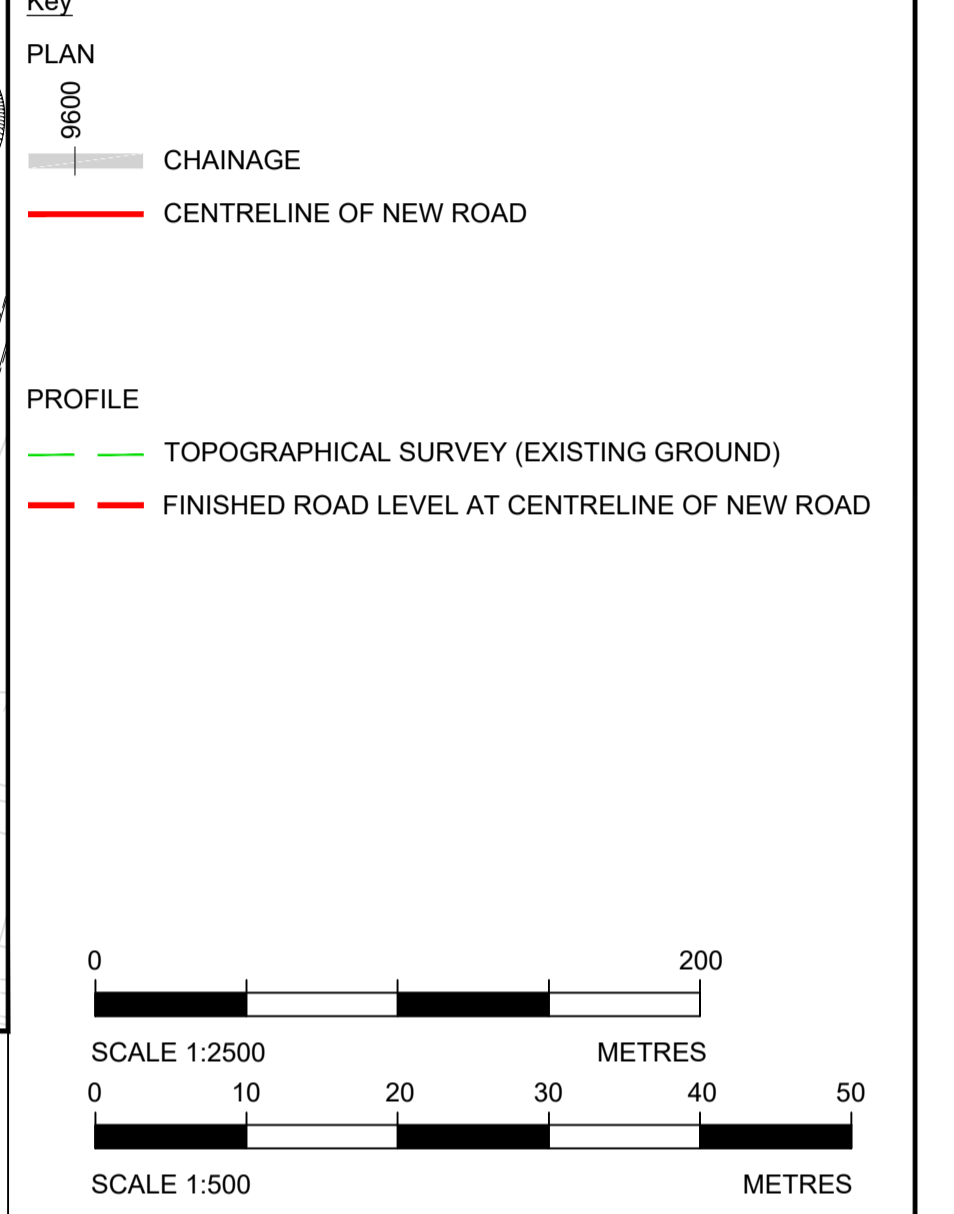
Regulation	REGULATION 113 & 114
Purpose of issue	DCO EXAM
State Code	Statutory Procedures and Powers
Project Stage	PCF 4
Scale at A1 (84x594mm)	AS SHOWN
Jacobs No.	B36601D1
Client no.	HE551497
Drawing number	P02

HE551497 - JAC - LDC - S3\_J25 -DR- C-0102

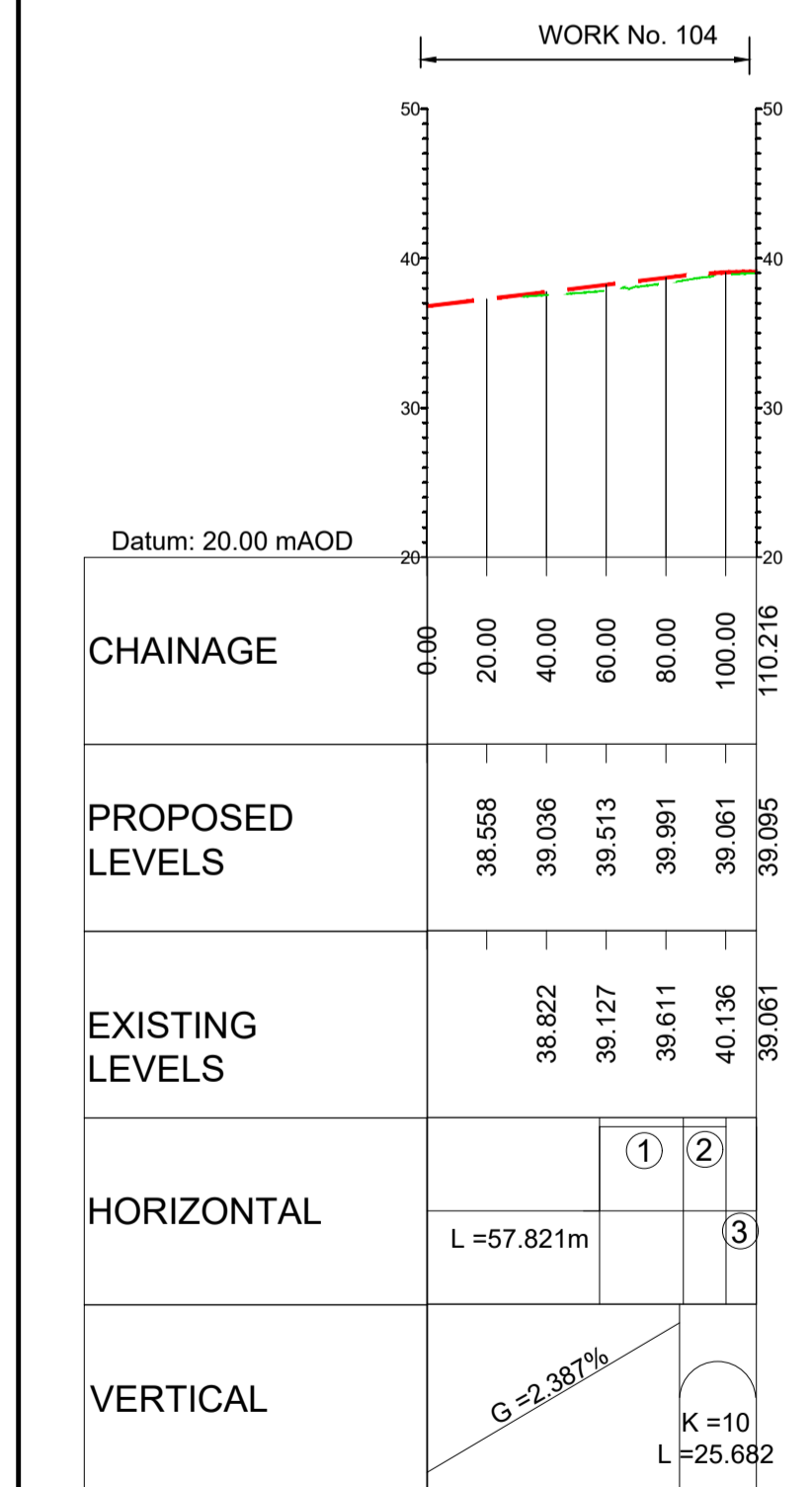




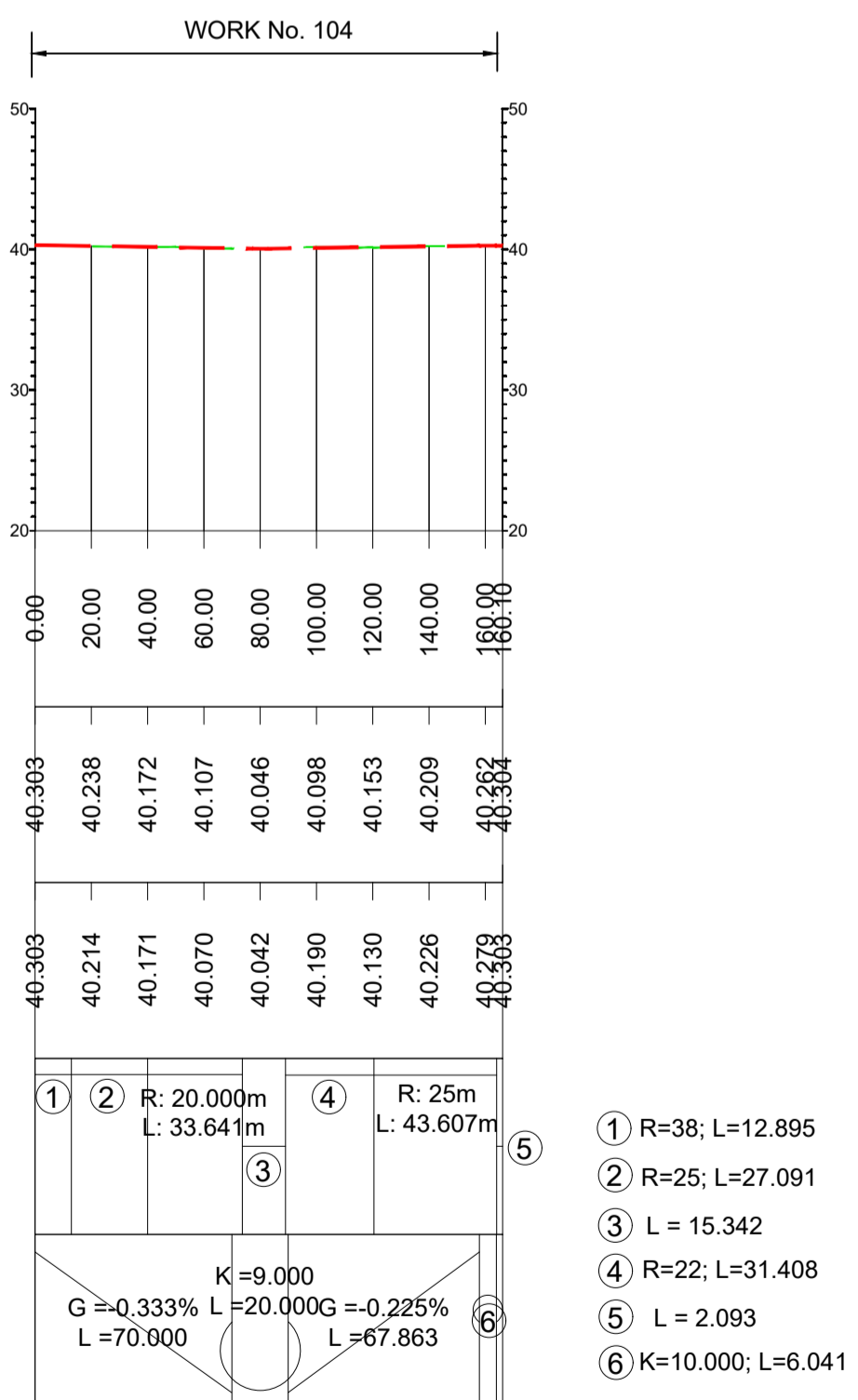
- NOTES**
- ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
  - THIS DESIGN SHOWN ON THE ENGINEERING SECTION DRAWINGS WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT. ANY CHANGES WILL BE LIMITED TO WITHIN THE ORDER LIMITS AND ANY OTHER CONSTRAINTS INCLUDED IN THE DEVELOPMENT CONSENT ORDER (TR010060/APP/3.1)
  - WORK NO. REFERENCES ARE DESCRIBED IN SCHEDULE 1 (AUTHORISED DEVELOPMENT) TO THE DEVELOPMENT CONSENT ORDER (TR010060/APP/3.1)
  - THESE ENGINEERING SECTION DRAWINGS SHOULD BE READ IN CONJUNCTION WITH ALL OTHER PLANS AND DOCUMENTATION, IN PARTICULAR THE WORKS PLANS (TR010060/APP/2.2) AND SCHEDULE 1 (AUTHORISED DEVELOPMENT) TO THE DEVELOPMENT CONSENT ORDER (TR010060/APP/3.1)
  - THE BASE MAPPING IS BASED ON ORDNANCE SURVEY (O/S) DATA. ALL LEVELS ARE GIVEN BY REFERENCE TO THE OS DATUM.
  - FOR SHEET LAYOUT PLAN REFER TO:  
HE551497-JAC-LDC-SCHW-DR- C-2000 FOR MAINLINE PROFILES.  
HE551497-JAC-LDC-SCHW-DR- C-2020 FOR JUNCTION PROFILES.  
HE551497-JAC-LDC-SCHW-DR- C-2021 FOR SIDE ROAD PROFILES.



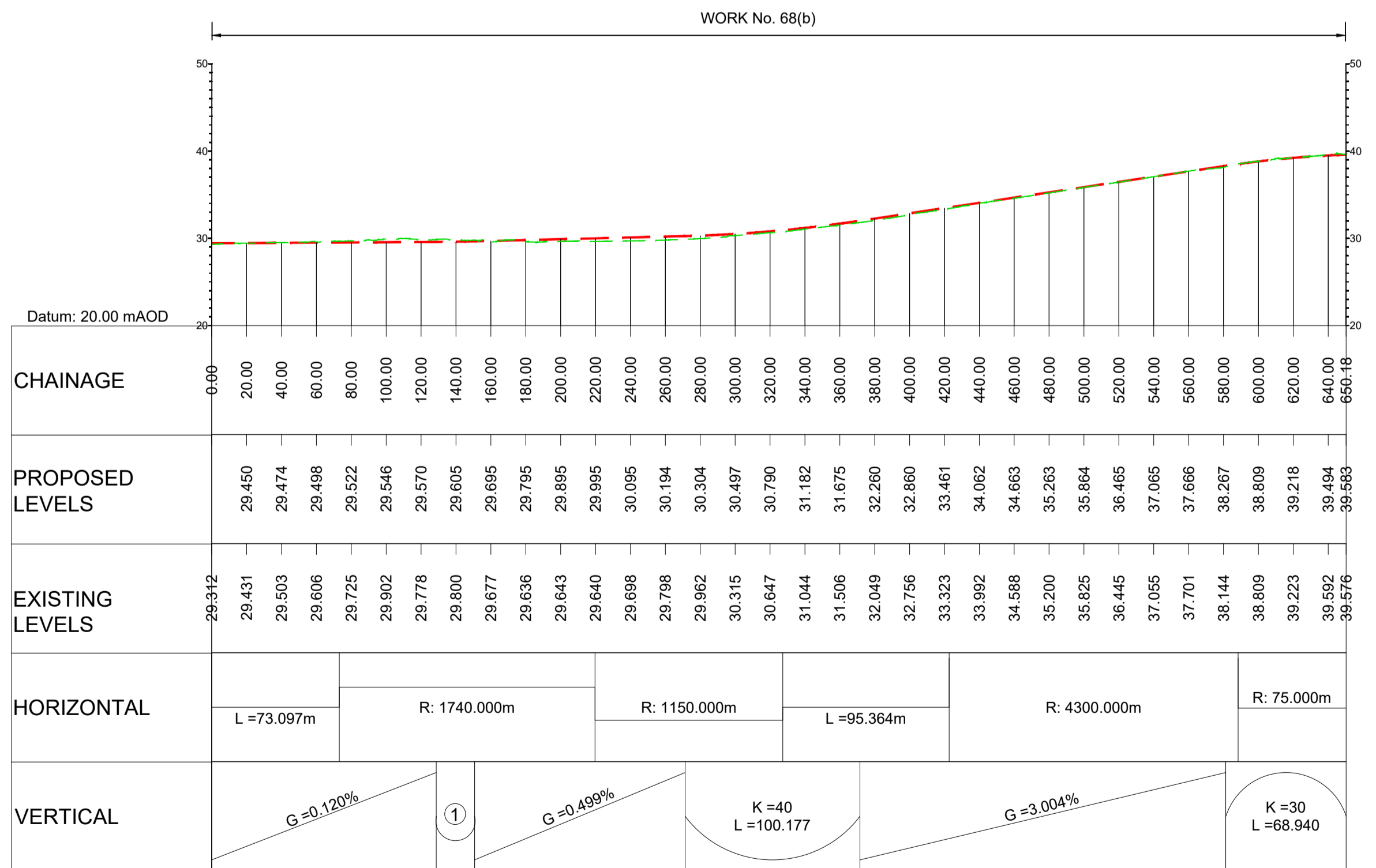
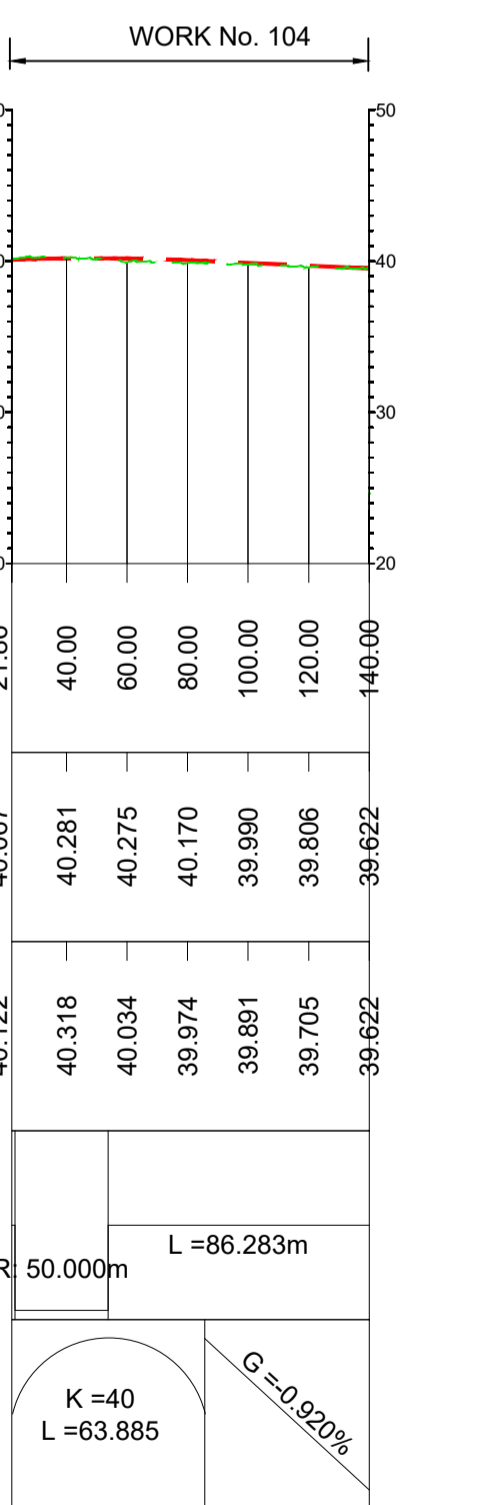
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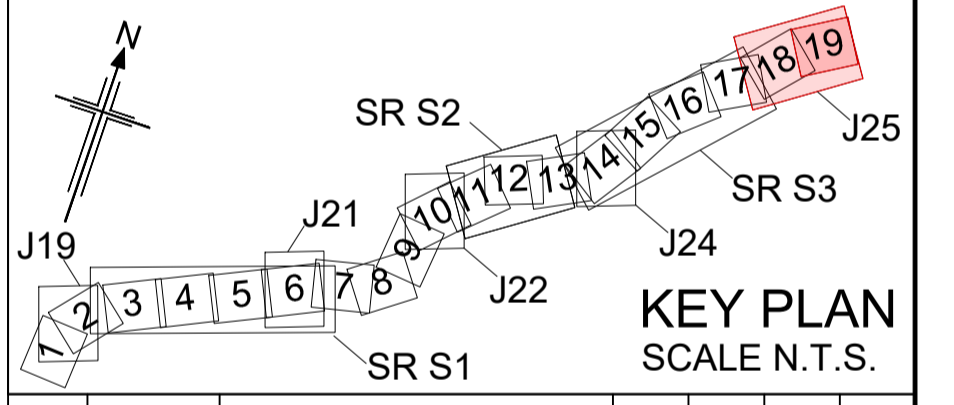
- ① R=195.000m
- ② R=83.000m
- ③ L=10.216m



- ① R=38; L=12.895
- ② R=25; L=27.091
- ③ L=15.342
- ④ R=22; L=31.408
- ⑤ L=2.093
- ⑥ K=10.000; L=6.041



- ① K=57.86; L=21.942



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	03/04/23	DCO CHANGE	AE	LH	RM	RM

Development Consent Order Number: TR010060  
Development Consent Order Drawing Number: TR010060/APP/2.11

Client: **national highways**

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

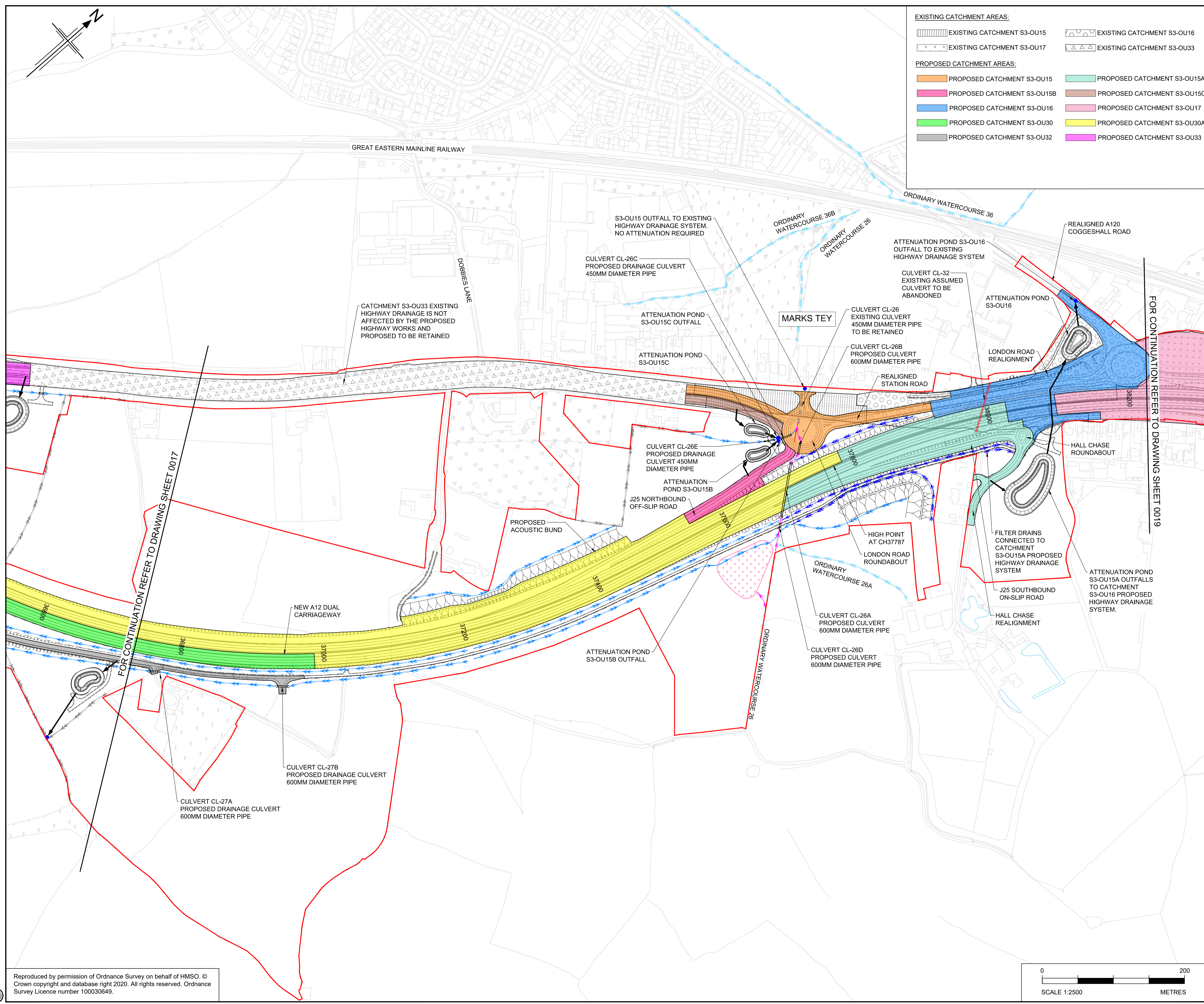
Drawing title: **ENGINEERING SECTIONS (PLAN AND PROFILES) JUNCTION 25 SHEET 3 OF 6**

Regulation	REGULATION 113 & 114
Purpose of issue	DCO EXAM
State Code	Statutory Procedures and Powers
Project Stage	PCF 4
Scale at A1 (841x594mm)	AS SHOWN
Jacobs No.	B36601D1
Client no.	HE551497
Drawing number	P02

HE551497 - JAC - LDC - S3\_J25 -DR- C-0104

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**EXISTING CATCHMENT AREAS:**

- EXISTING CATCHMENT S3-OU15
- EXISTING CATCHMENT S3-OU16
- EXISTING CATCHMENT S3-OU17
- EXISTING CATCHMENT S3-OU33

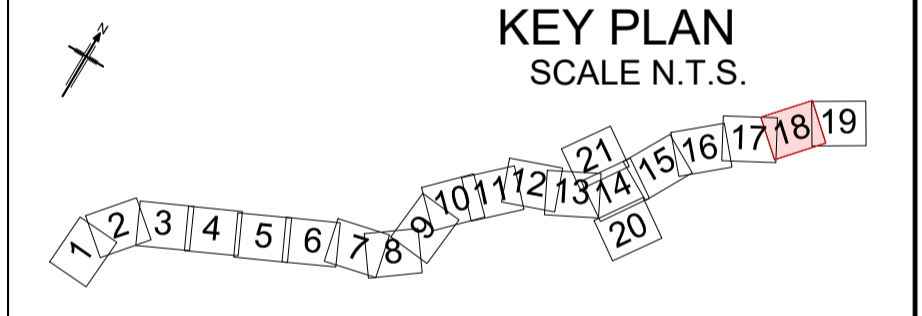
**PROPOSED CATCHMENT AREAS:**

- PROPOSED CATCHMENT S3-OU15
- PROPOSED CATCHMENT S3-OU15A
- PROPOSED CATCHMENT S3-OU15B
- PROPOSED CATCHMENT S3-OU15C
- PROPOSED CATCHMENT S3-OU16
- PROPOSED CATCHMENT S3-OU17
- PROPOSED CATCHMENT S3-OU30
- PROPOSED CATCHMENT S3-OU30A
- PROPOSED CATCHMENT S3-OU32
- PROPOSED CATCHMENT S3-OU33

- 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
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

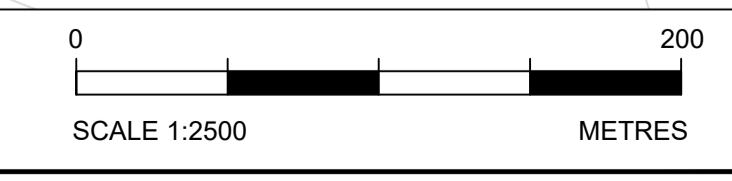
**DRAINAGE AND SURFACE WATER PLANS**  
SHEET 18 OF 21

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	P02

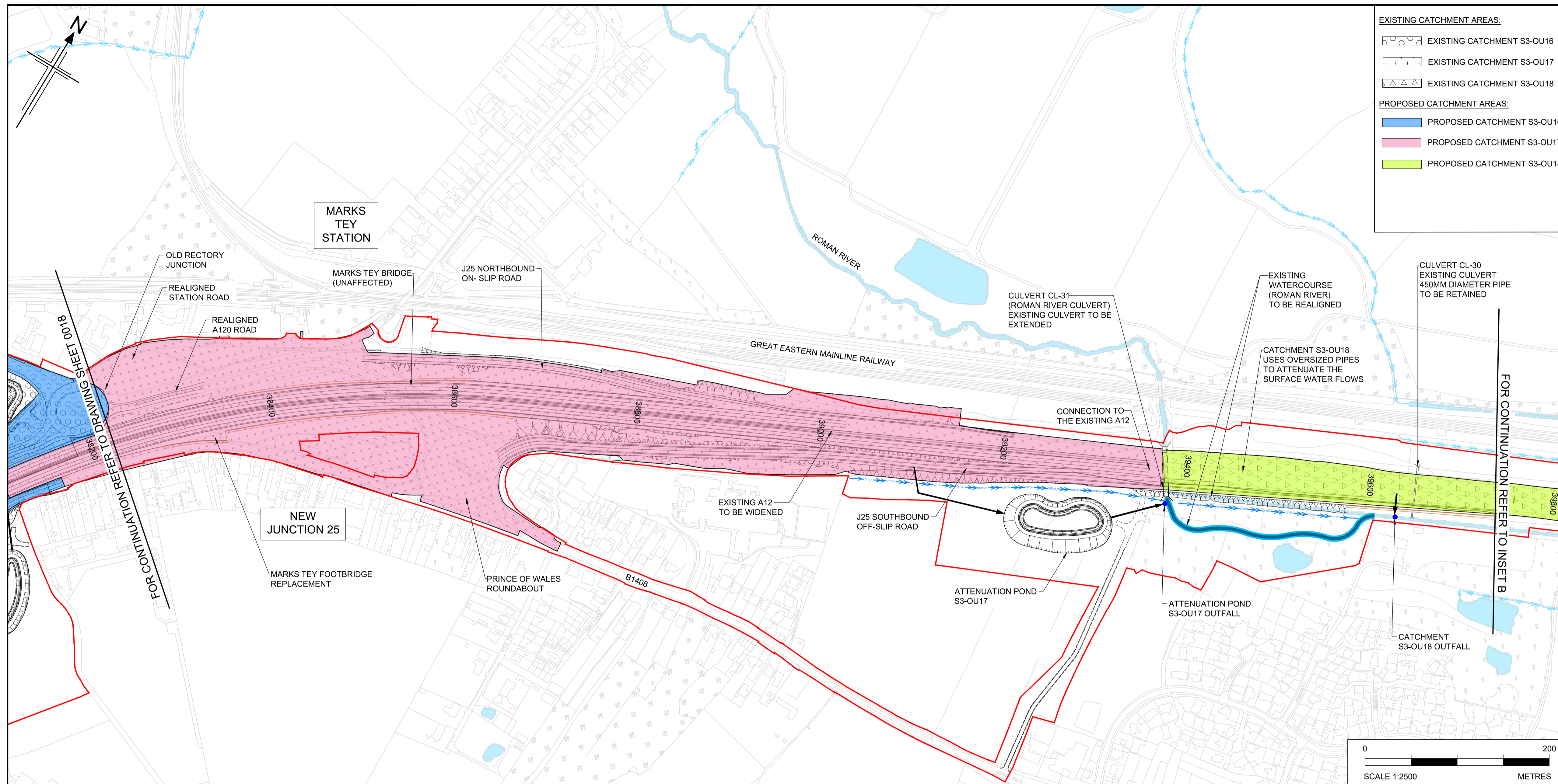
Drawing number: HE551497 - JAC - LDC - SCHW - DR - D - 0818  
PIN: | Originator: | Volume: | Location: | Type: | Role: | Number:

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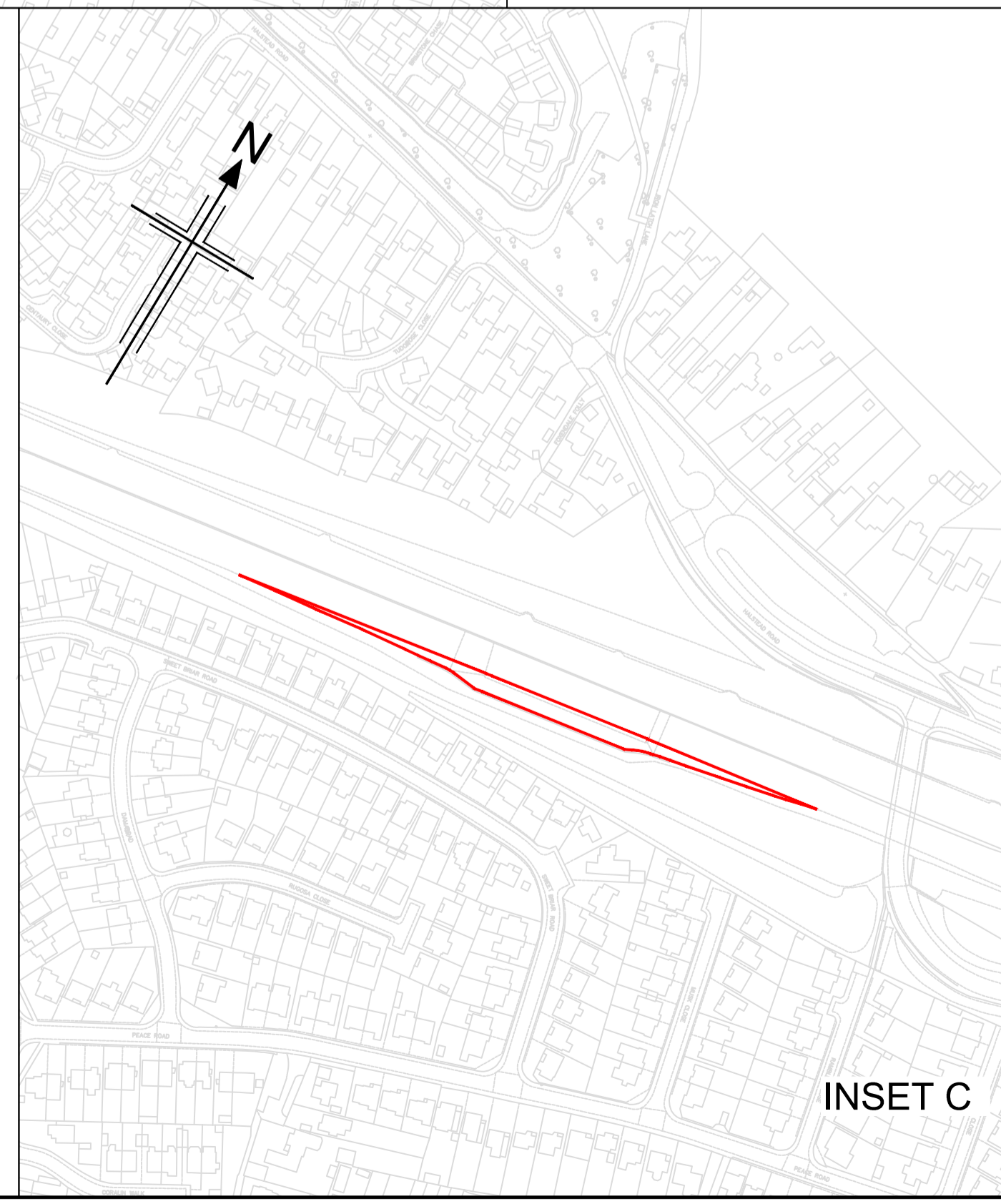
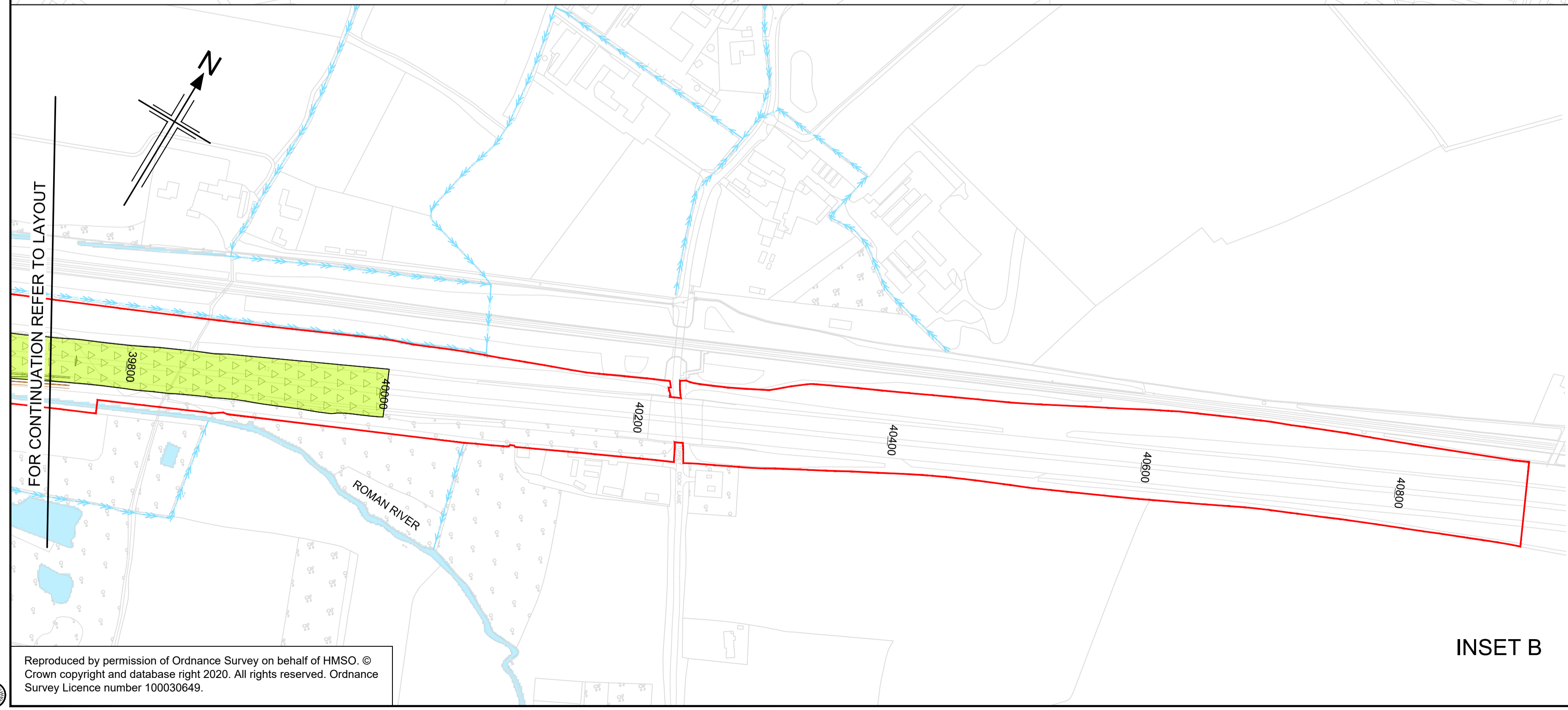
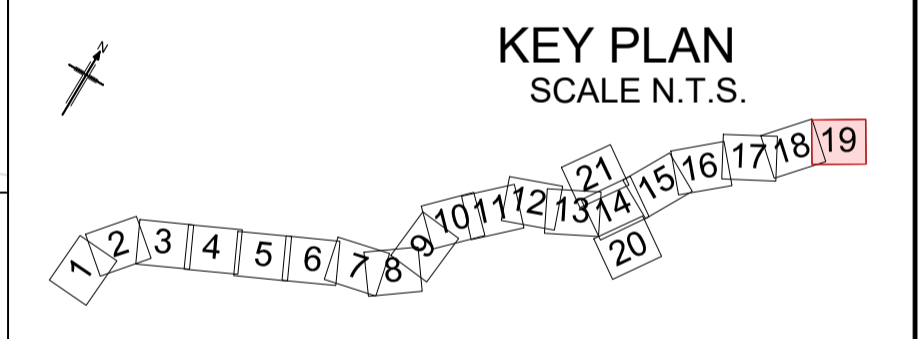




- EXISTING CATCHMENT AREAS:**
- EXISTING CATCHMENT S3-OU16
  - EXISTING CATCHMENT S3-OU17
  - EXISTING CATCHMENT S3-OU18
- PROPOSED CATCHMENT AREAS:**
- PROPOSED CATCHMENT S3-OU16
  - PROPOSED CATCHMENT S3-OU17
  - PROPOSED CATCHMENT S3-OU18

- 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)

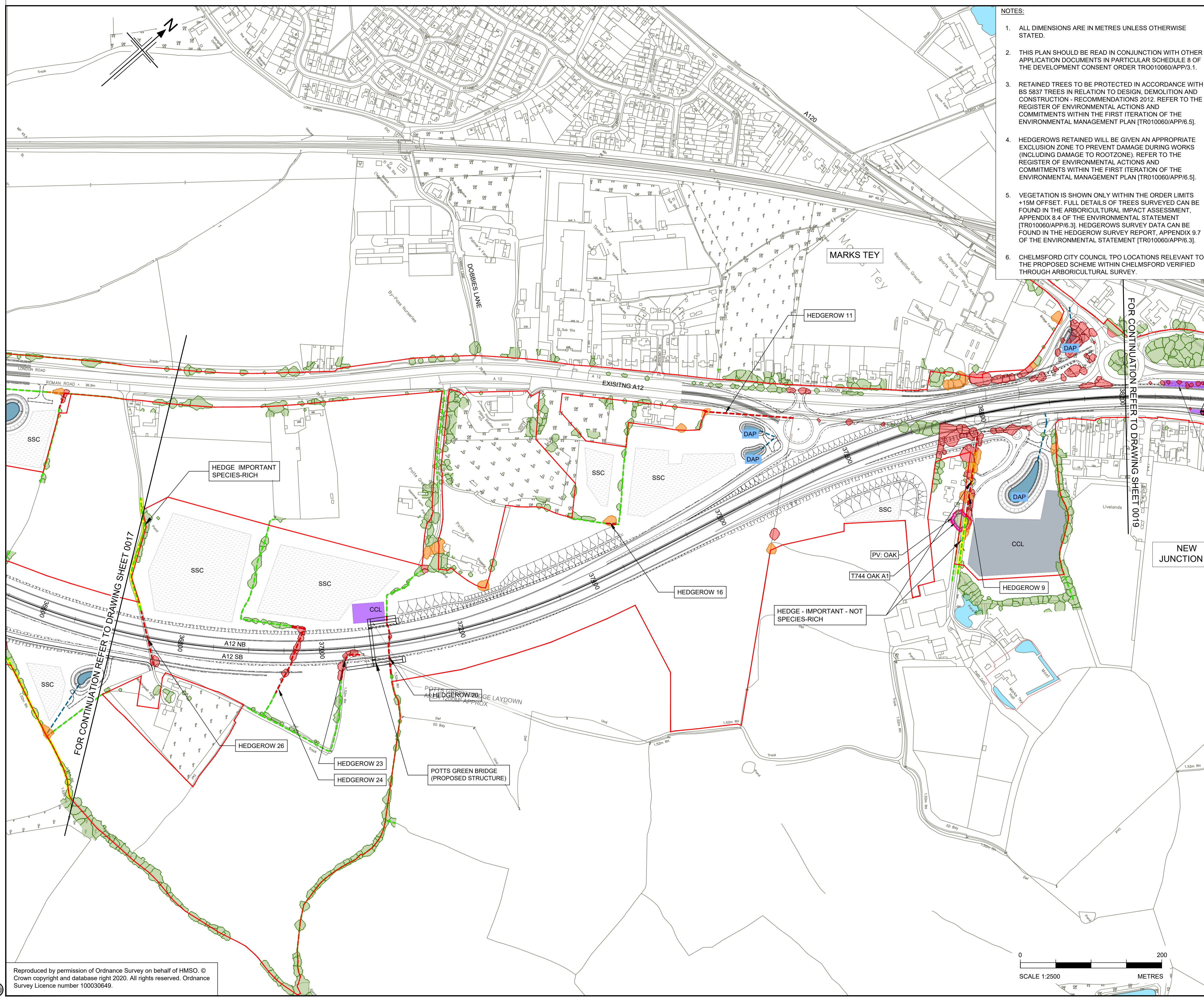


P01	22/07/22	FINAL FOR DCO APPLICATION	PJ	AM	JT	SG
P02	04/04/23	DCO CHANGE	VD	AM	AM	RC
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
Development Consent Order Number:			Development Consent Order Drawing Number:			
TR010060			TR010060/APP/2.13			
Client 						
Project A12 CHELMSFORD TO A120 WIDENING SCHEME						
Drawing title <b>DRAINAGE AND SURFACE WATER PLANS</b> SHEET 19 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	P02				
Drawing number	PIN	Originator	Volume			
HE551497	JAC	LDC	-			
SCHW	-DR-	D	-0819			

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- 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**

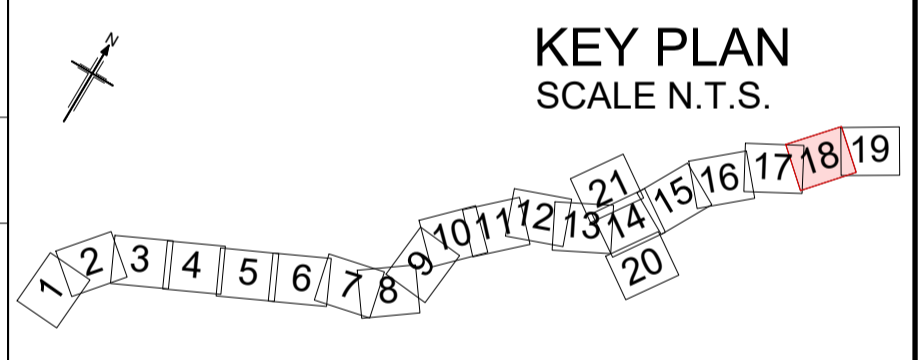
- OPEN WATER
- CONSERVATION AREAS
- ANCIENT WOODLAND
- TREE PRESERVATION ORDER (SHOWN FOR INDIVIDUAL / GROUPS OF TREES)  
NOTE: TREE PRESERVATION ORDER DATA IS ILLUSTRATED WITHIN THE EXTENT OF THE ORDER LIMITS PLUS 15M.
- ANCIENT TREE (VA) VERIFIED BY THE WOODLAND TRUST
- NOTABLE TREE (VN) VERIFIED BY 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
- PROPOSED TEMPORARY CONSTRUCTION COMPOUND AND/OR LAY DOWN AREAS (CCL)
- 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



Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
P01	02/08/22	FINAL FOR DCO SUBMISSION	DR	HA	HM	DT
P02	04/04/23	DCO CHANGE	DR	HA	HB	RM

Development Consent Order Number: TR010060  
 Development Consent Order Drawing Number: TR010060/APP/2.14

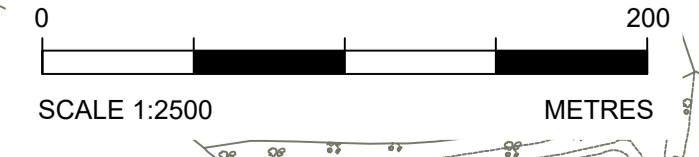


Client: national highways  
 Project: A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title:  
**RETAINED AND REMOVED VEGETATION PLANS**  
 CH. 36700 TO 38200  
 SHEET 18 OF 21

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	P02
Jacobs No.	B36601D1	Client no.	HE551497

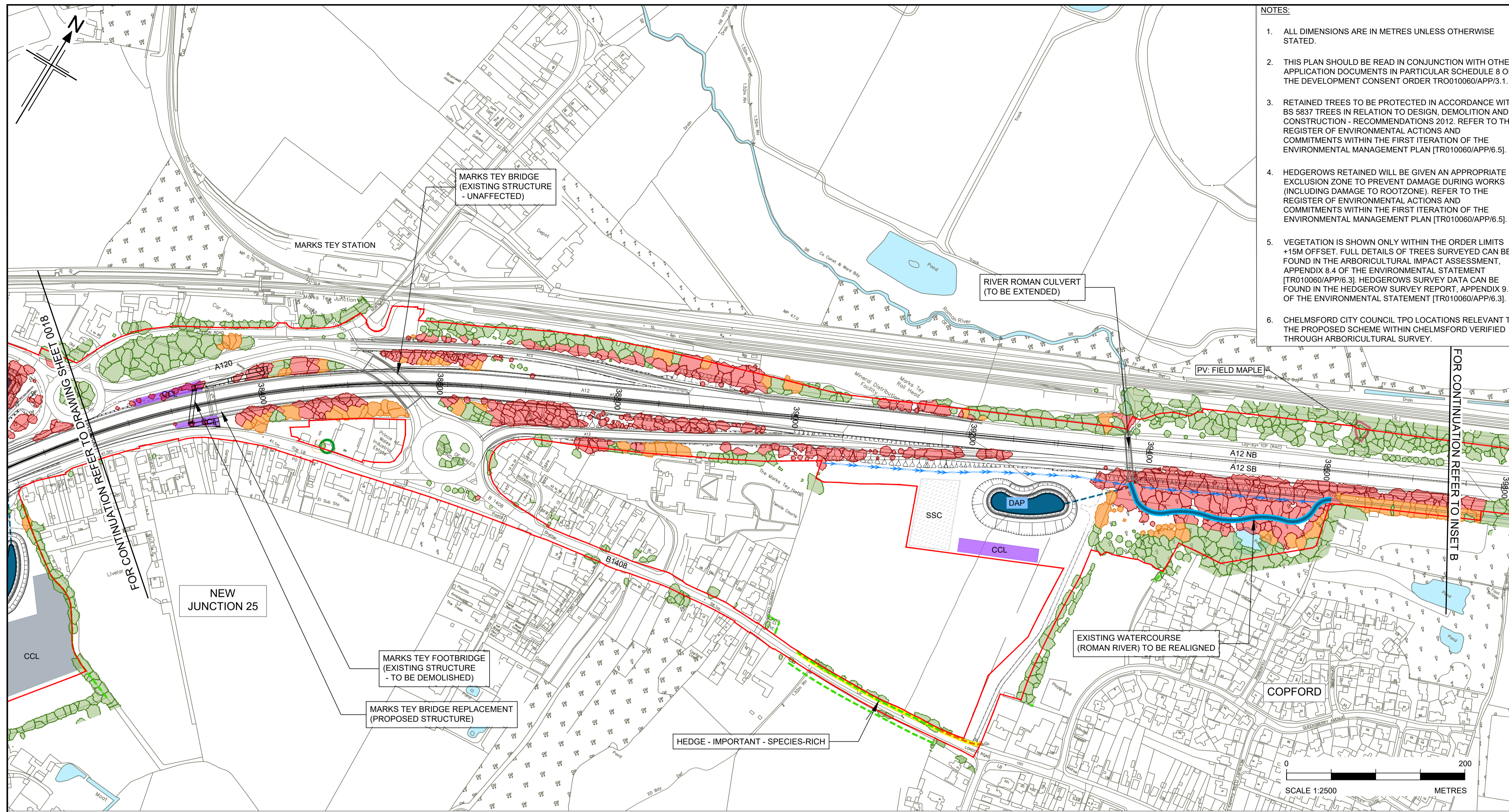
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 PIN: | Originator: | Volume: | Location: | Type: | Role: | Number:



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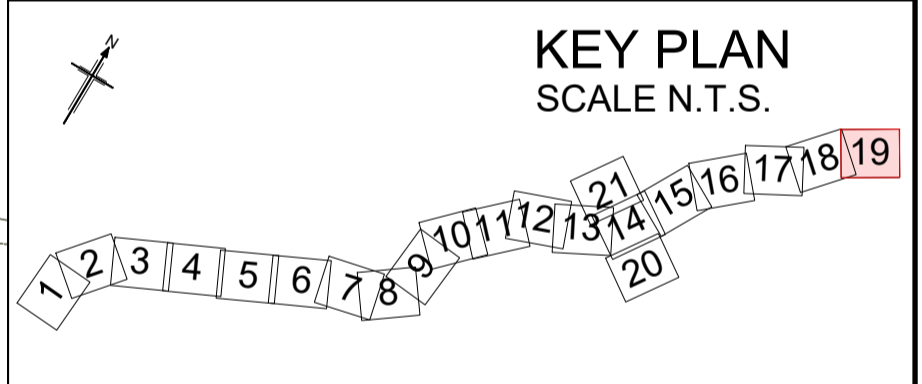
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- NOTES:**
- ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
  - THIS PLAN SHOULD BE READ IN CONJUNCTION WITH OTHER APPLICATION DOCUMENTS IN PARTICULAR SCHEDULE 8 OF THE DEVELOPMENT CONSENT ORDER TR010060/APP/3.1.
  - RETAINED TREES TO BE PROTECTED 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™ © 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
  - PROPOSED TEMPORARY CONSTRUCTION COMPOUND AND/OR LAY DOWN AREAS (CCL)
  - 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	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

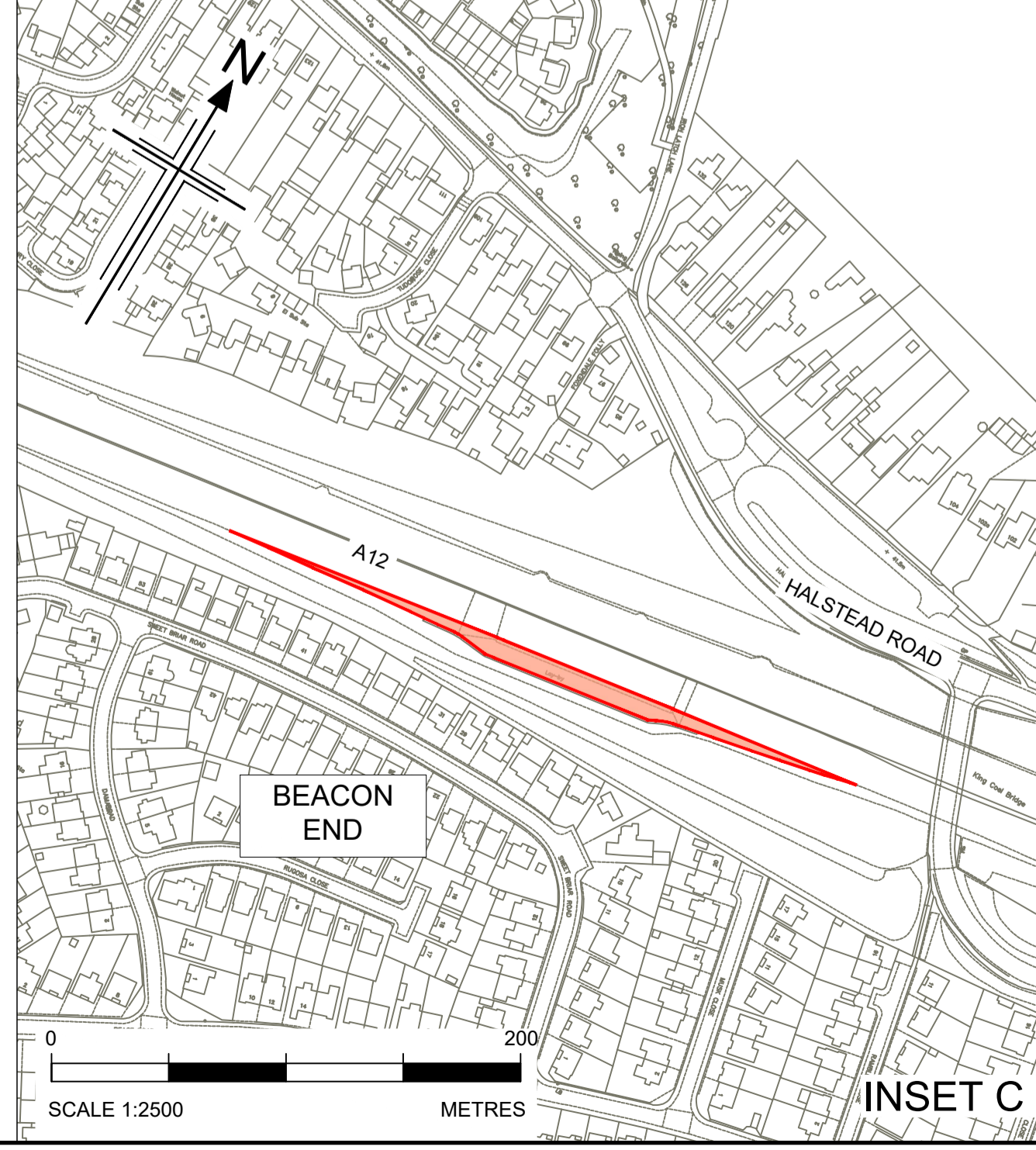
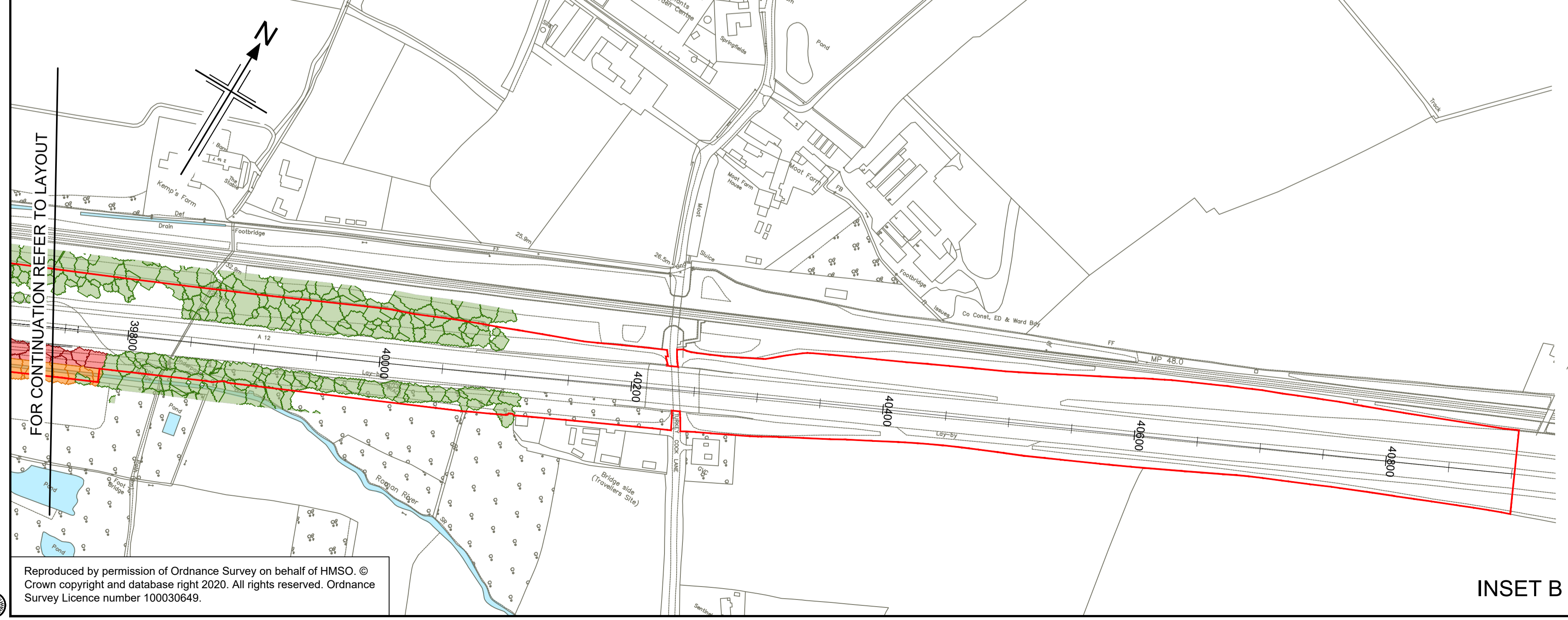


Client: national highways  
Project: A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title: **RETAINED AND REMOVED VEGETATION PLANS**  
CH. 38200 TO 39355  
SHEET 19 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	P02

Drawing number: HE551497 - JAC - LDC - SCHW - DR - L - 0119  
PIN: | Originator: | Volume: | Location: | Type: | Role: | Number: |



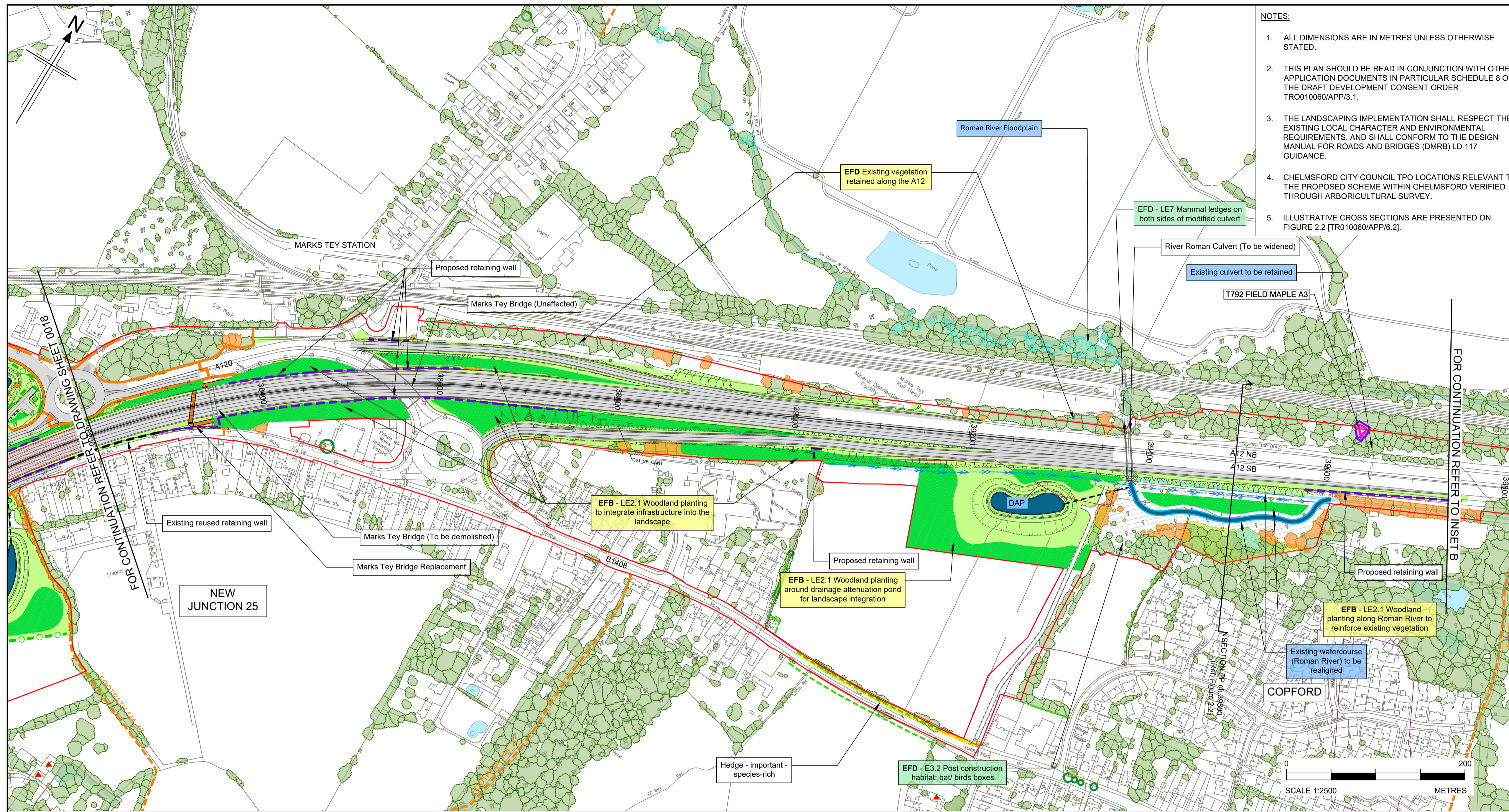
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- NOTES:**
1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
  2. THIS PLAN SHOULD BE READ IN CONJUNCTION WITH OTHER APPLICATION DOCUMENTS IN PARTICULAR SCHEDULE 8 OF THE DRAFT DEVELOPMENT CONSENT ORDER TR0010060/APP/3.1.
  3. THE LANDSCAPING 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 hedgerows: 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
- Underground storage units
- Floodplain with scheme fluvial flood extent 1% (1 in 100) annual exceedance probability
- Flood mitigation areas

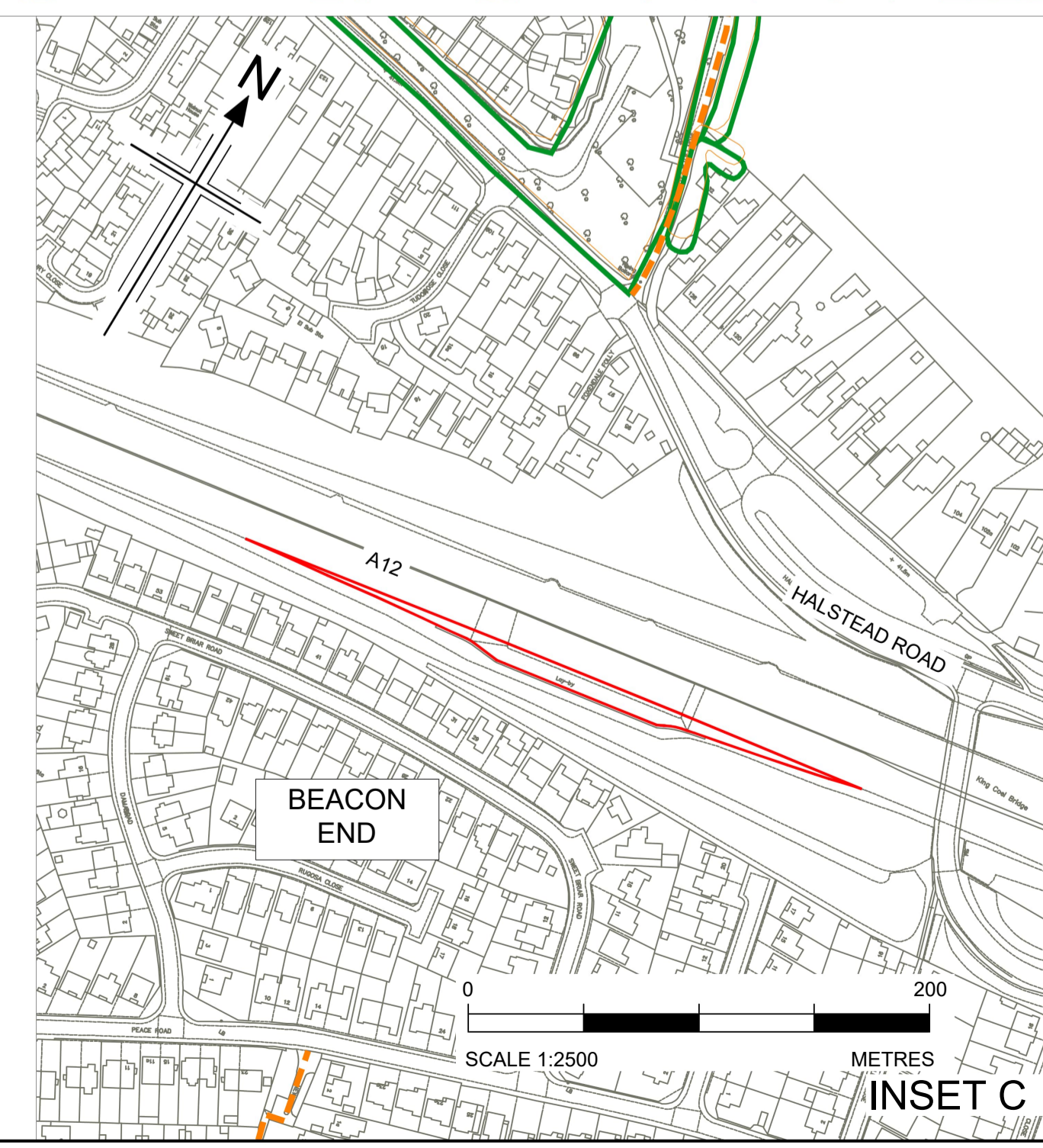
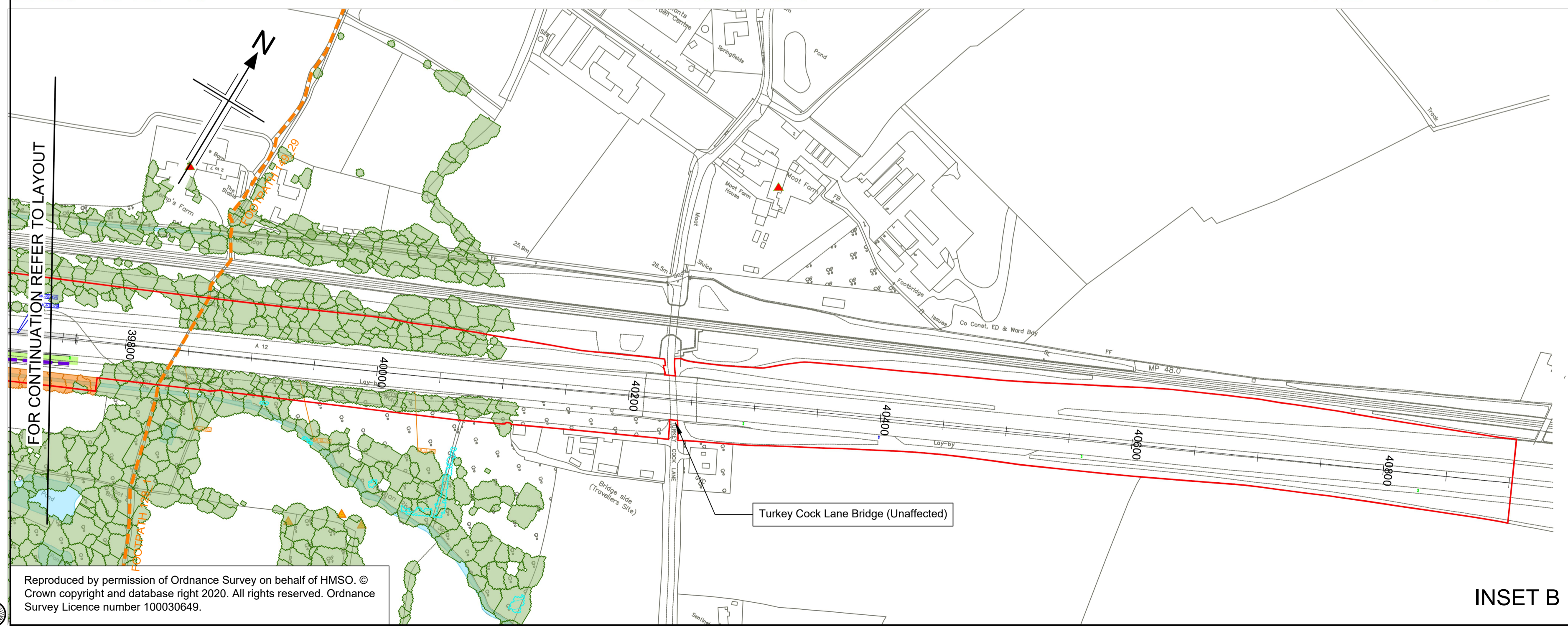
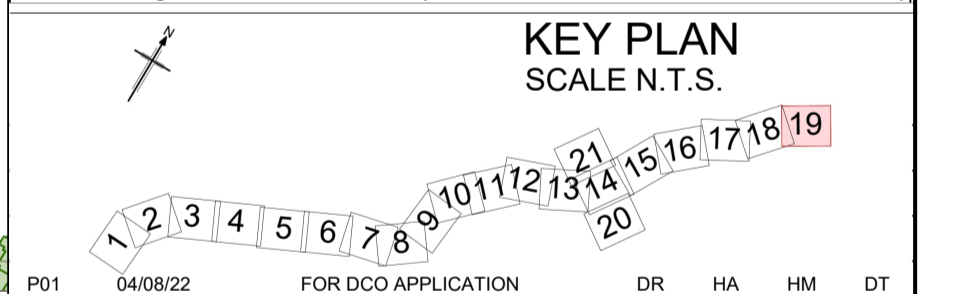
**PROPOSED ENVIRONMENTAL MITIGATION**

- 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)



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	Apprv'd
Development Consent Order Number: TR010060			Development Consent Order Drawing Number: TR010060/APP/6.2			
Client:						
Project: A12 CHELMSFORD TO A120 WIDENING SCHEME						
Drawing title: ENVIRONMENTAL STATEMENT ENVIRONMENTAL MASTERPLAN CH. 38200 TO 39355 SHEET 19 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	P02				
Drawing number	PIN	Originator	Volume			
HE551497 -	JAC	LDC -				
SCHW	-DR-	L-0219				

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