

A12 Chelmsford to A120 widening scheme TR010060

6.3 ENVIRONMENTAL STATEMENT APPENDIX 14.6 SURFACE WATER DRAINAGE STRATEGY ANNEX A – PART 4

APFP Regulation 5(2)(a)

Planning Act 2008

Infrastructure Planning (Applications: Prescribed
Forms and Procedure) Regulations 2009

Volume 6

August 2022

Infrastructure Planning

Planning Act 2008

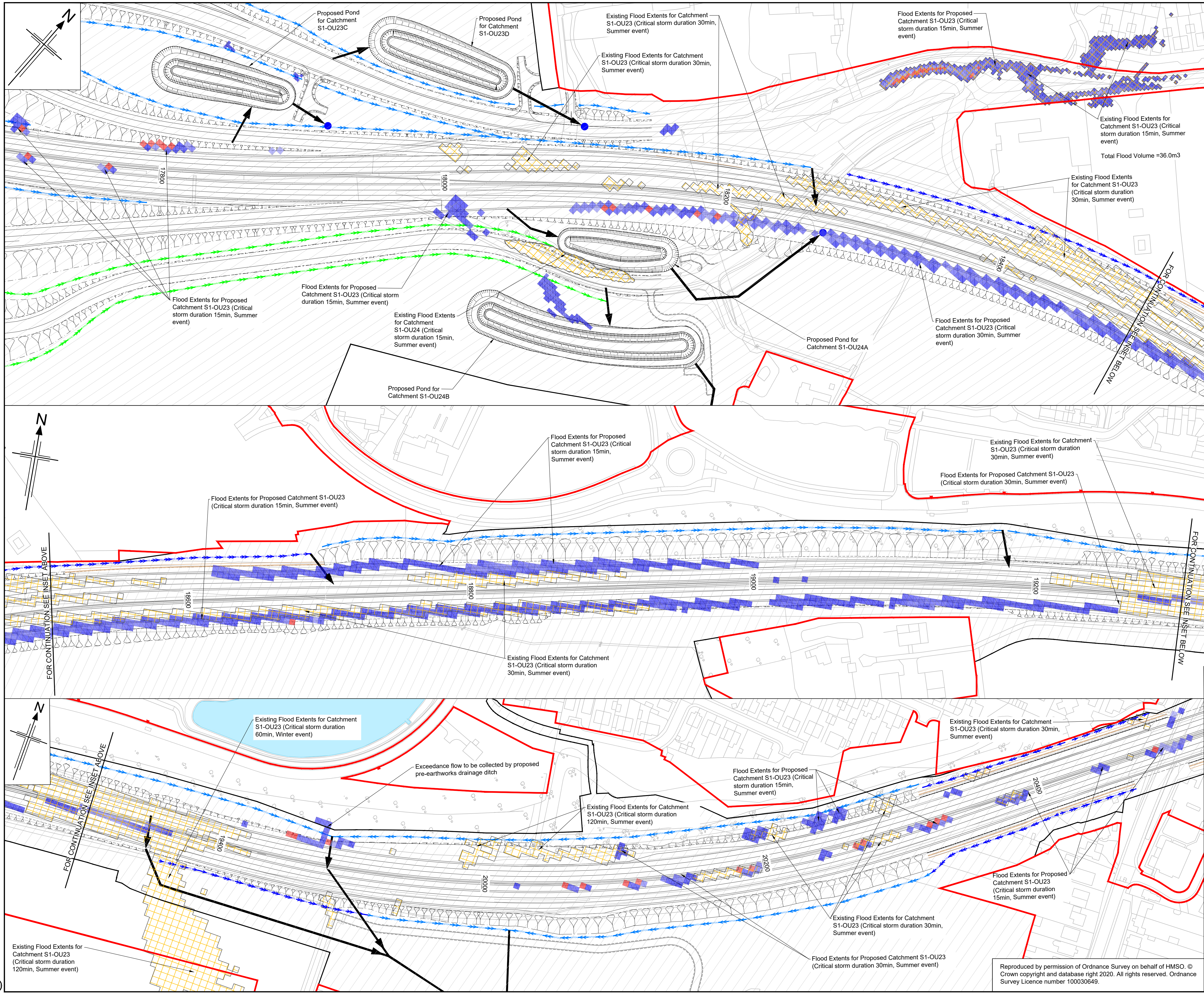
A12 Chelmsford to A120 widening scheme Development Consent Order 202[]

ENVIRONMENTAL STATEMENT APPENDIX 14.6 SURFACE WATER DRAINAGE STRATEGY ANNEX A – PART 4

Regulation Reference	Regulation 5(2)(a)
Planning Inspectorate Scheme Reference	TR010060
Application Document Reference	TR010060/APP/6.3
Author	A12 Project Team and National Highways

Version	Date	Status of Version
Rev 1	August 2022	DCO Application

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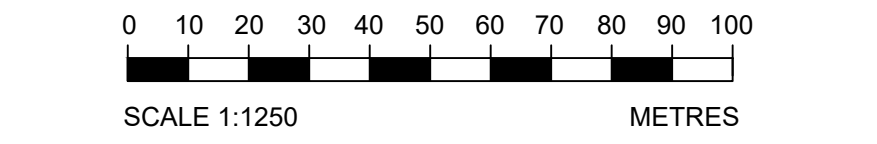


SURFACE WATER DRAINAGE STRATEGY
ANNEX A -PART 4

- NOTES
1. Drawing is to be printed in colour.
 2. Do not scale from this drawing, use only printed dimensions.
 3. This drawing is to be read in conjunction with Surface Water Drainage Strategy Report documented in Appendix 14.6 of the Environmental Statement [TR010060/APP/6.3] and Drainage and Surface Water Plans [TR010060/APP/2.13]. (Drawing numbers HE551497-JAC-LDC-SCHW-DR-D-0806, 0807 and 0808).
 4. The flood extents shown on these plans have been developed based on the proposed drainage design solutions and the flood exceedance assessment undertaken at the preliminary drainage design stage.
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- LEGEND
- Order Limits
 - Proposed Scheme Permanent Acquisition of Land Boundary
 - Proposed Highway Drainage Outfall
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 - Proposed Underground Storage Units
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- EXCEEDANCE FLOW ANALYSIS: 1 in 100 yr + 40%CC
- 10-100 mm Flood Depth
 - 100-300 mm Flood Depth
 - 300-600 mm Flood Depth
 - >600 mm Flood Depth
 - Existing Flooding



P01	25/07/22	FINAL FOR DCO APPLICATION	CT	AM	JT	SG
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd

Development Consent Order Number: TR010060
Development Consent Order Drawing Number: TR010060/APP/6.3



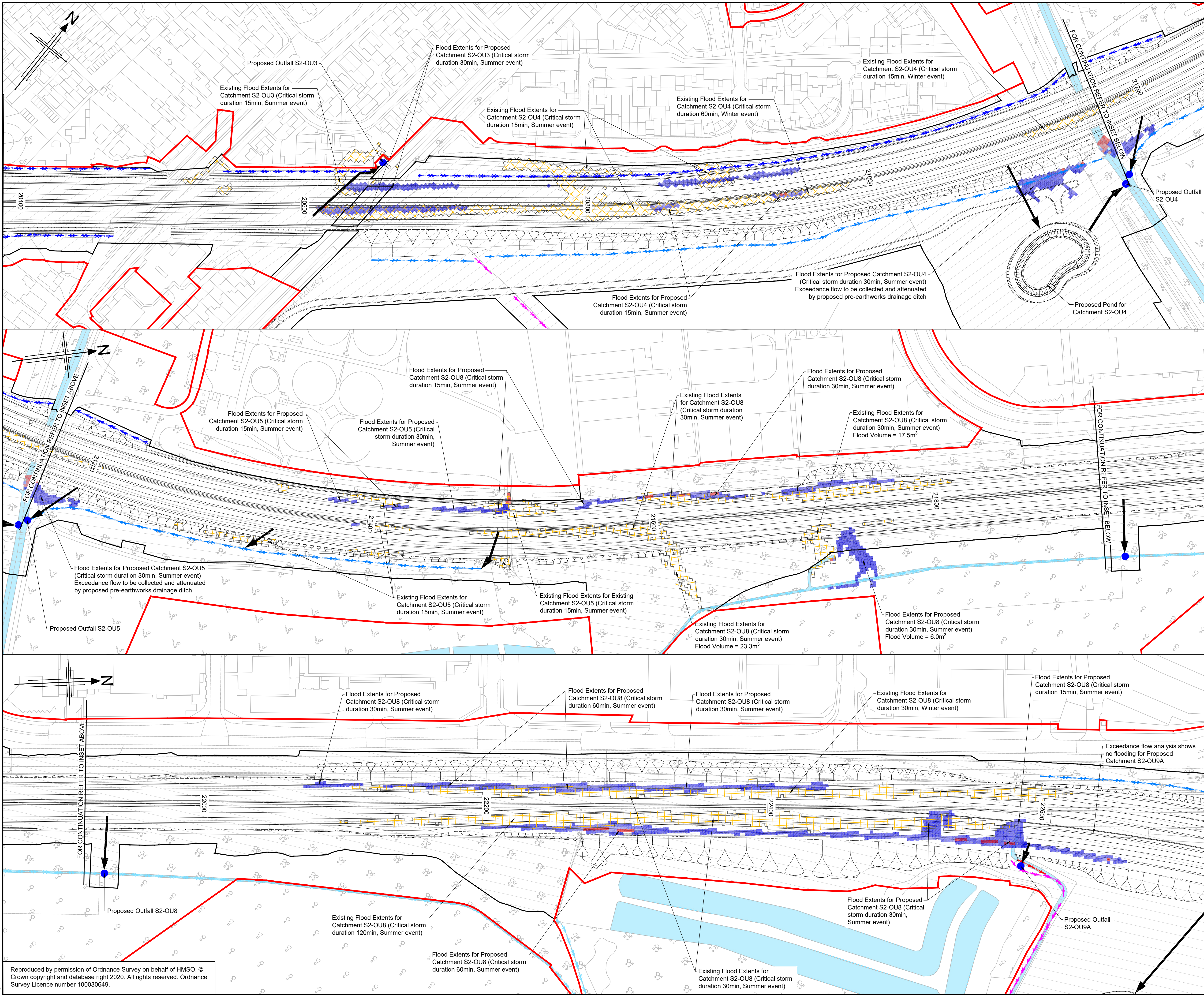
Project
A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title
**EXCEEDANCE FLOW ANALYSIS
100YR PLUS 40%CC EVENT
PROPOSED CATCHMENTS
S1-OU23, OU23D, OU24A & OU24B**

Regulation	REGULATION 5(2)(a)
Purpose of issue	DCO APPLICATION
State Code	Preliminary
Project Stage	PCF 3
Scale at A1 (841x594mm)	1:1250
Jacobs No.	B36601D1
Client no.	HE551497
Drawing number	PIN
Originator	JAC
Volume	LDC-
Location	S1
Type	-DR-
Role	D
Number	-0866

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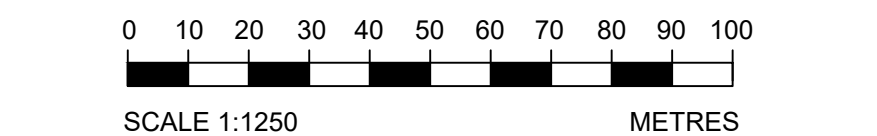


SURFACE WATER DRAINAGE STRATEGY
ANNEX A -PART 4

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P01	22/07/22	FINAL FOR DCO APPLICATION	AC	AM	JT	SG
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd

Development Consent Order Number:	Development Consent Order Drawing Number:
TR010060	TR010060/APP/6.3

Client

Project

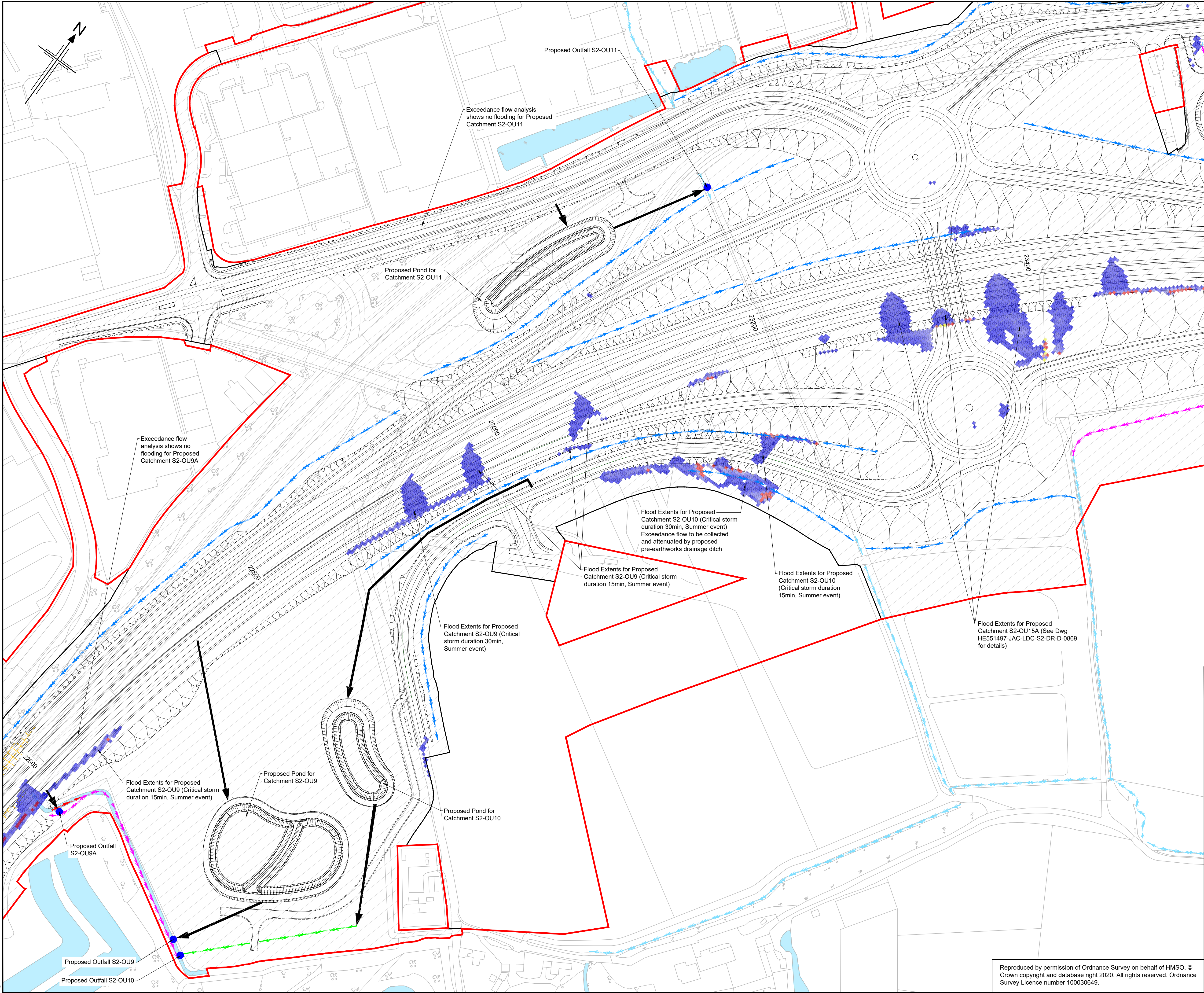
A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title

EXCEEDANCE FLOW ANALYSIS
100YR PLUS 40%CC EVENT
PROPOSED CATCHMENTS
S2-OU3, OU4, OU5, OU8 & OU9A

Regulation	REGULATION 5(2)(a)				
Purpose of issue	DCO APPLICATION				
State Code	Preliminary				Drawing status
Project Stage	PCF 3				S4
Scale at A1 (841x594mm)	1:1250				Rev
Jacobs No.	B36601D1				P01
Client no.	HE551497				
Drawing number	PIN	Originator	Volume		
HE551497 - S2		JAC	LDC - DR- D -0867		

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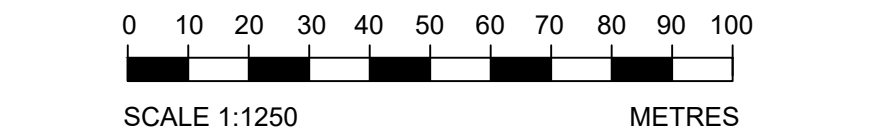


SURFACE WATER DRAINAGE STRATEGY
ANNEX A -PART 4

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 5. No exceedance flow analysis has been undertaken for existing catchments; S2-OU9, S2-OU10 and S2-OU11.

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P01	22/07/22	FINAL FOR DCO APPLICATION	AC	AM	JT	SG
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd

Development Consent Order Number:	Development Consent Order Drawing Number:
TR010060	TR010060/APP/6.3



Project

A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title

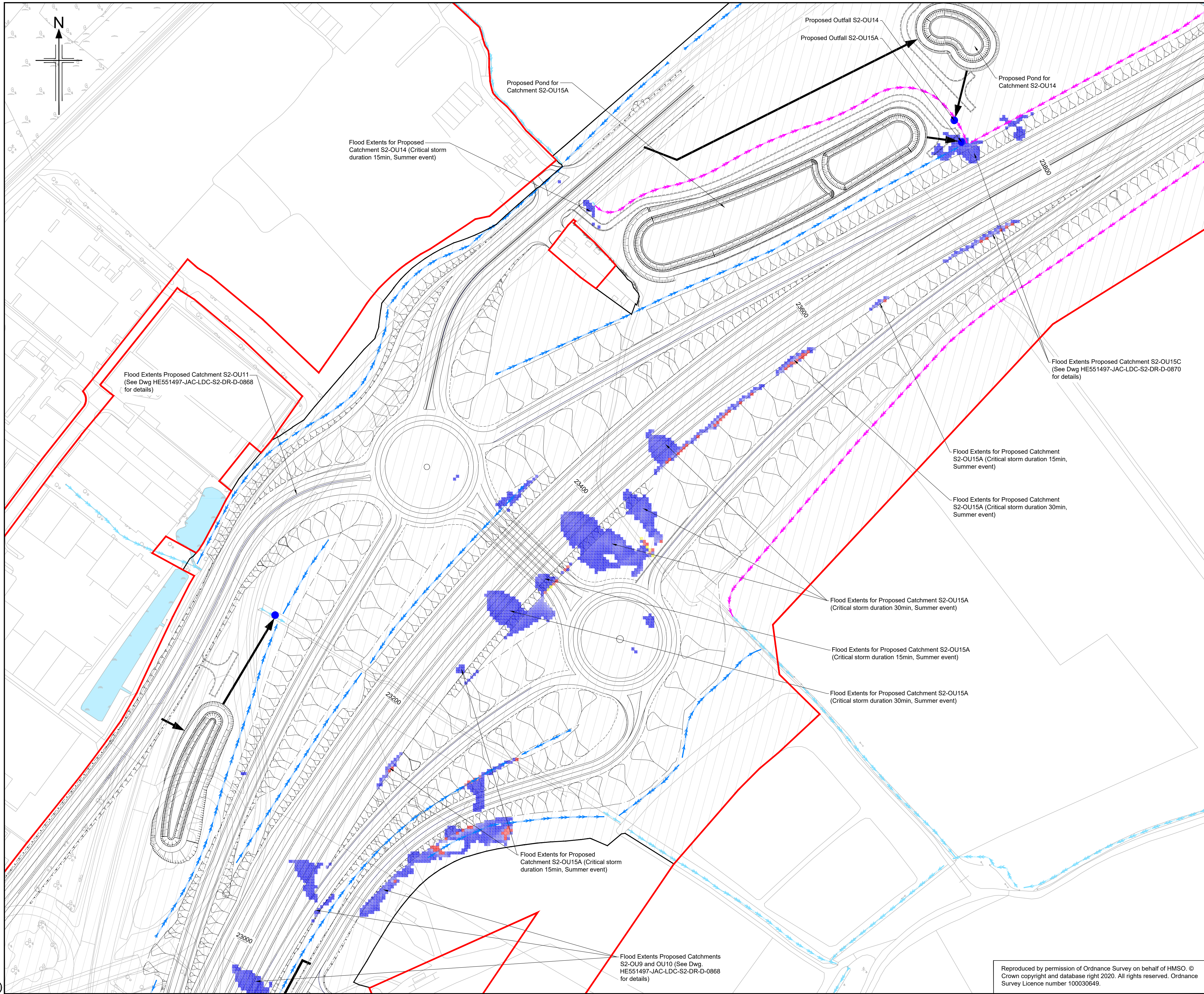
**EXCEEDANCE FLOW ANALYSIS
100YR PLUS 40%CC EVENT
PROPOSED CATCHMENTS
S2-OU9, OU10 & OU11**

Regulation	REGULATION 5(2)(a)				
Purpose of issue	DCO APPLICATION				
State Code	Preliminary				Drawing status
Project Stage	PCF 3				S4
Scale at A1 (841x594mm)	1:1250				Rev
Jacobs No.	B36601D1				P01
Client no.	HE551497				

Drawing number	PIN	Originator	Volume
HE551497 - S2	JAC	LDC -	
		Type	Role
		-DR-	D -0868

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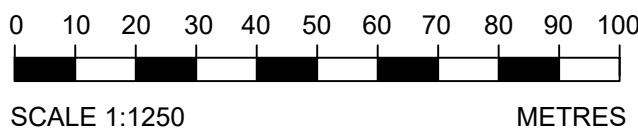
SURFACE WATER DRAINAGE STRATEGY
ANNEX A -PART 4

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 5. The flood extents shown on these plans may be subject to change as part of the design development in the detailed design stage. Any changes will require the flood exceedance assessment and flood extents to be reviewed and updated accordingly.
 6. No exceedance flow analysis has been undertaken for existing catchments; S2-OU9, S2-OU11 and S2-OU14.

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

Development Consent Order Number:	Development Consent Order Drawing Number:
TR010060	TR010060/APP/6.3

Client

Project

A12 CHELMSFORD TO A120 WIDENING SCHEME

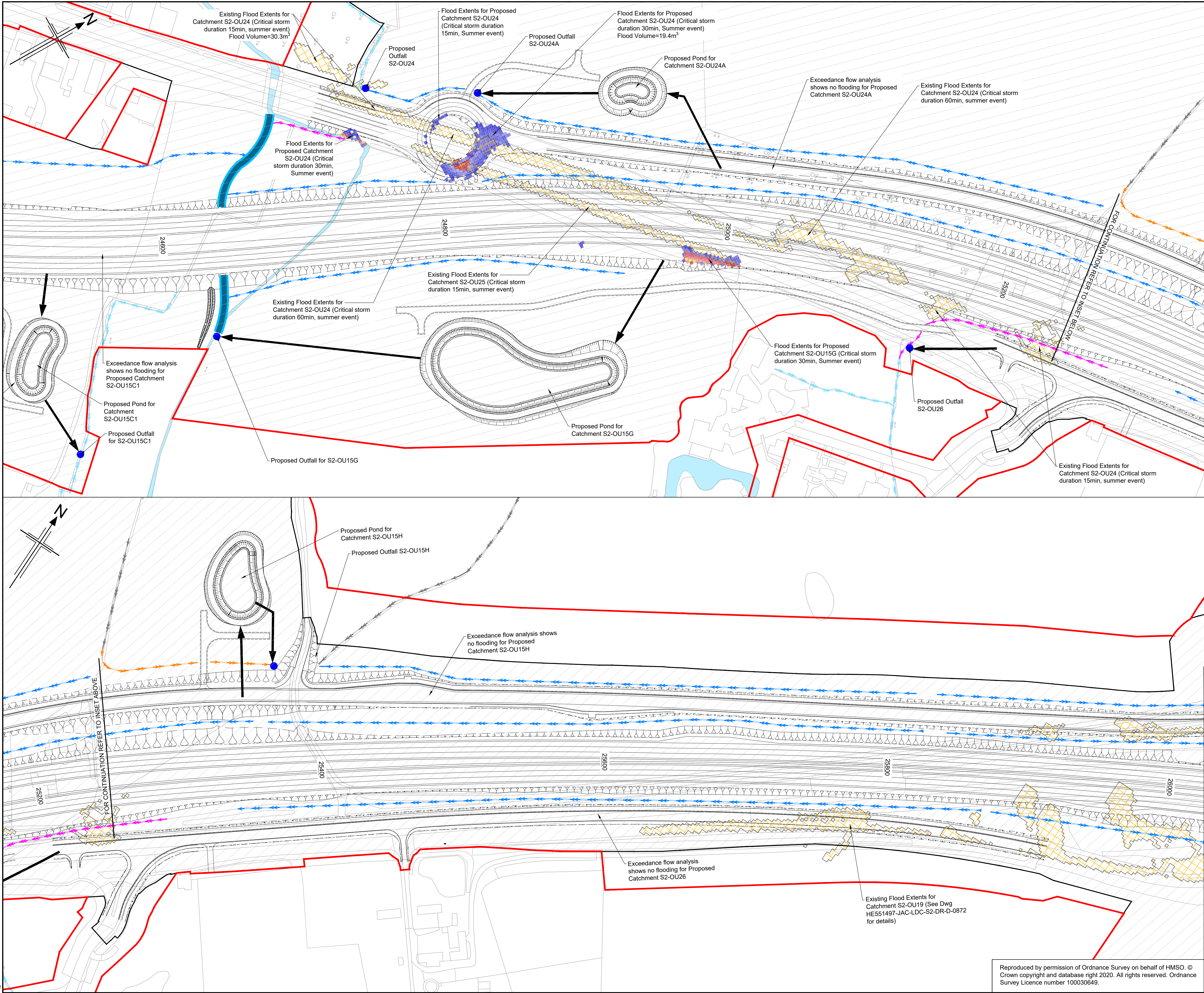
Drawing title

EXCEEDANCE FLOW ANALYSIS
100YR PLUS 40%CC EVENT
PROPOSED CATCHMENTS
S2-OU14 & OU15A

Regulation	REGULATION 5(2)(a)		
Purpose of issue	DCO APPLICATION		
State Code	Preliminary		
Project Stage	PCF 3	Drawing status	
Scale at A1 (841x594mm)	1:1250	S4	
Jacobs No.	B36601D1	Rev	P01
Client no.	HE551497		

Drawing number	PIN	Originator	Volume
HE551497 -	JAC	LDC -	
S2	-DR-	D -0869	

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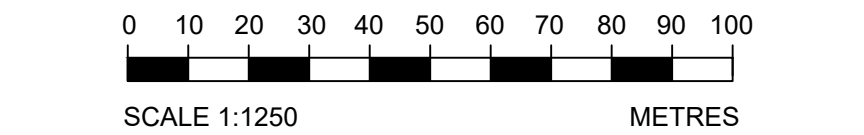


SURFACE WATER DRAINAGE STRATEGY
ANNEX A -PART 4

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 6. No exceedance flow analysis has been undertaken for existing catchment; S2-OU26.

- LEGEND
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P01	22/07/22	FINAL FOR DCO APPLICATION	AC	AM	JT	SG
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd

Development Consent Order Number:	Development Consent Order Drawing Number:
TR010060	TR010060/APP/6.3



A12 CHELMSFORD TO A120 WIDENING SCHEME

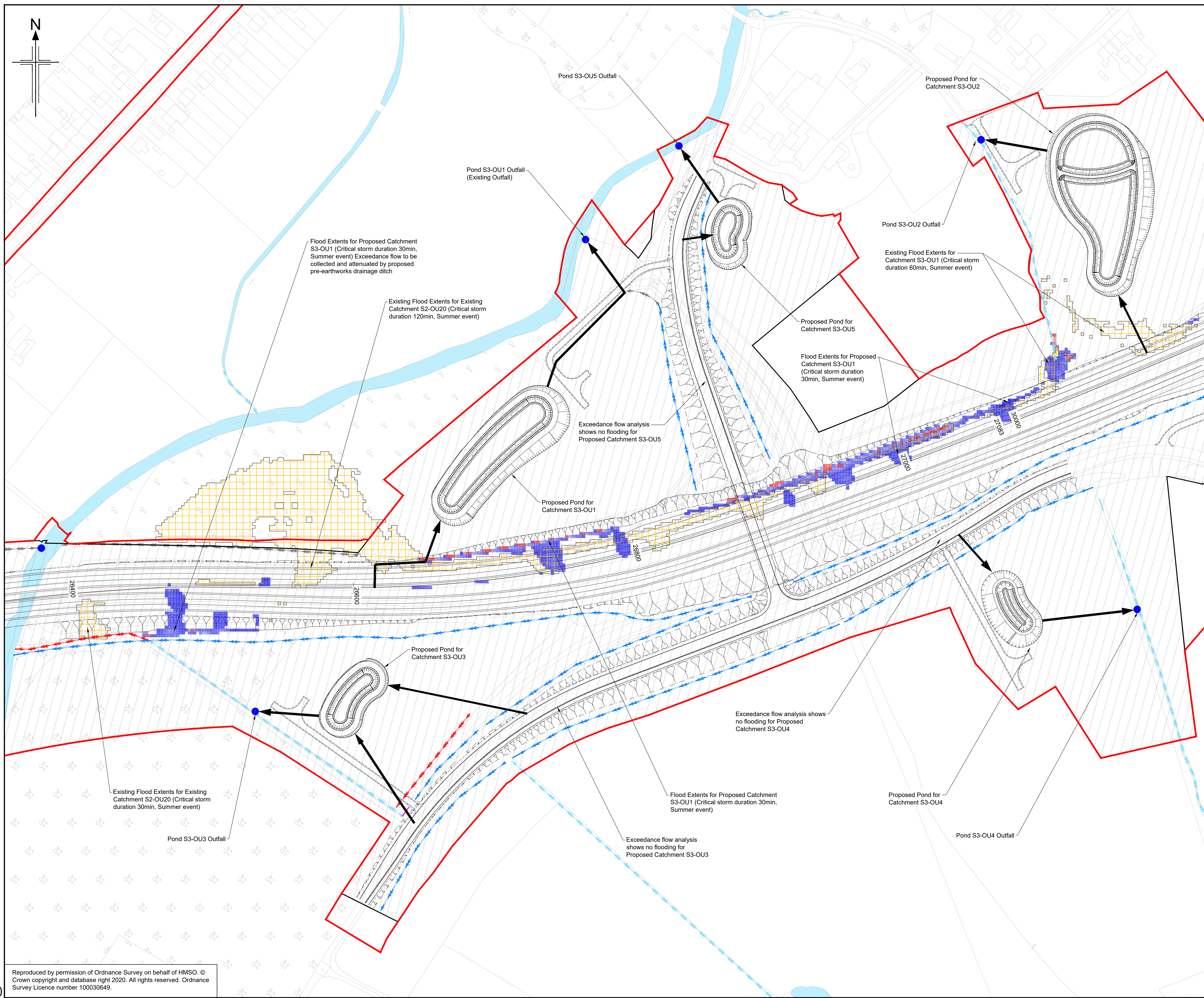
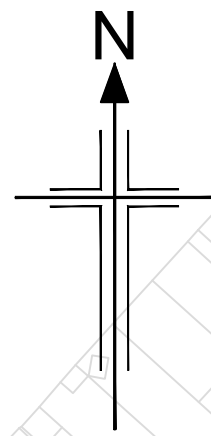
Drawing title
**EXCEEDANCE FLOW ANALYSIS
100YR PLUS 40%CC EVENT
PROPOSED CATCHMENTS-S2OU26
OU15C1,OU15G,OU15H,OU24&24A**

Regulation	REGULATION 5(2)(a)				
Purpose of issue	DCO APPLICATION				
State Code	Preliminary				Drawing status
Project Stage	PCF 3				S4
Scale at A1 (841x594mm)	1:1250				Rev
Jacobs No.	B36601D1				P01
Client no.	HE551497				

Drawing number	PIN	Originator	Volume
HE551497 -	JAC	LDC-	
S2		-DR-	D -0871

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SURFACE WATER DRAINAGE STRATEGY ANNEX A -PART 4

NOTES

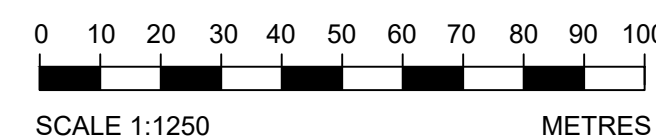
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LEGEND

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P01	22/07/22	FINAL FOR DCO APPLICATION	VD	AM	JT	SG
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd

Development Consent Order Number:	Development Consent Order Drawing Number:
TR010060	TR010060/APP/6.3

Client



Project

A12 CHELMSFORD TO A120 WIDENING SCHEME

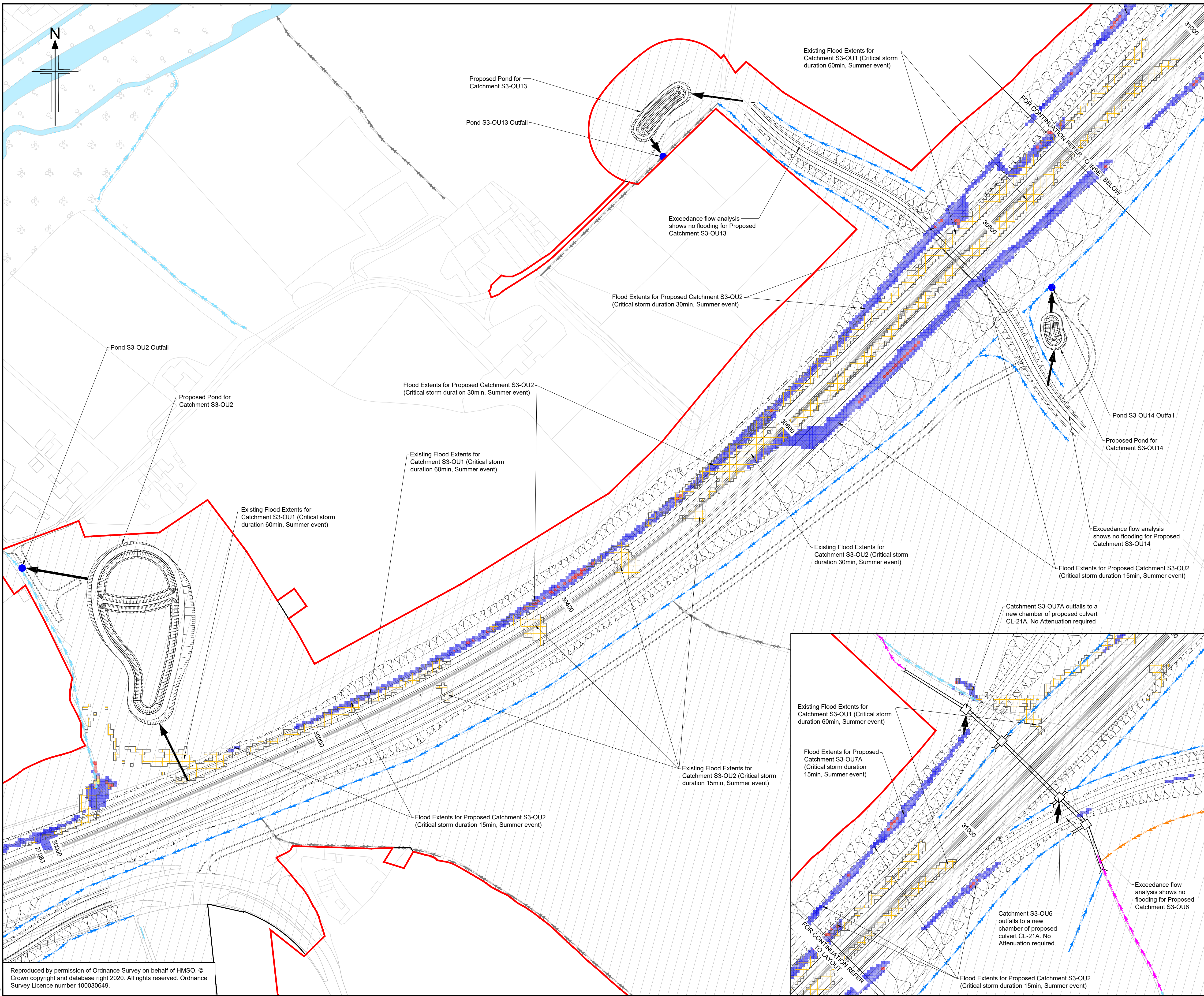
Drawing title

EXCEEDANCE FLOW ANALYSIS 100YR PLUS 40%CC EVENT PROPOSED CATCHMENTS S3-OU1, OU3, OU4 & OU5

Regulation	REGULATION 5(2)(a)	
Purpose of issue	DCO APPLICATION	
State Code	Preliminary	
Project Stage	PCF 3	Drawing status
Scale at A1 (841x594mm)	1:1250	S4
Jacobs No.	B36601D1	Rev
Client no.	HE551497	P01

Drawing number	PIIN	Originator	Volume
HE551497 -	JAC	LDC -	
S3		-DR- D -0873	

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SURFACE WATER DRAINAGE STRATEGY ANNEX A -PART 4

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0 10 20 30 40 50 60 70 80 90 100
SCALE 1:1250 METRES

P01	22/07/22	FINAL FOR DCO APPLICATION	VD	AM	JT	SG
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Development Consent Order Number:	Development Consent Order Drawing Number:
TR010060	TR010060/APP/6.3



Project

A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing title

**EXCEEDANCE FLOW ANALYSIS
100YR PLUS 40%CC EVENT
PROPOSED CATCHMENTS
S3-OU2, OU6, OU7A, OU13 & OU14**

Regulation	REGULATION 5(2)(a)
Purpose of issue	DCO APPLICATION
State Code	Preliminary
Project Stage	PCF 3
Scale at A1 (841x594mm)	1:1250
Jacobs No.	B36601D1
Client no.	HE551497
Drawing number	PIN
Originator	JAC
Volume	LDC-
Location	S3
Type	-DR-
Role	D
Number	-0874

HE551497 - JAC - LDC -
S3 -DR- D -0874

