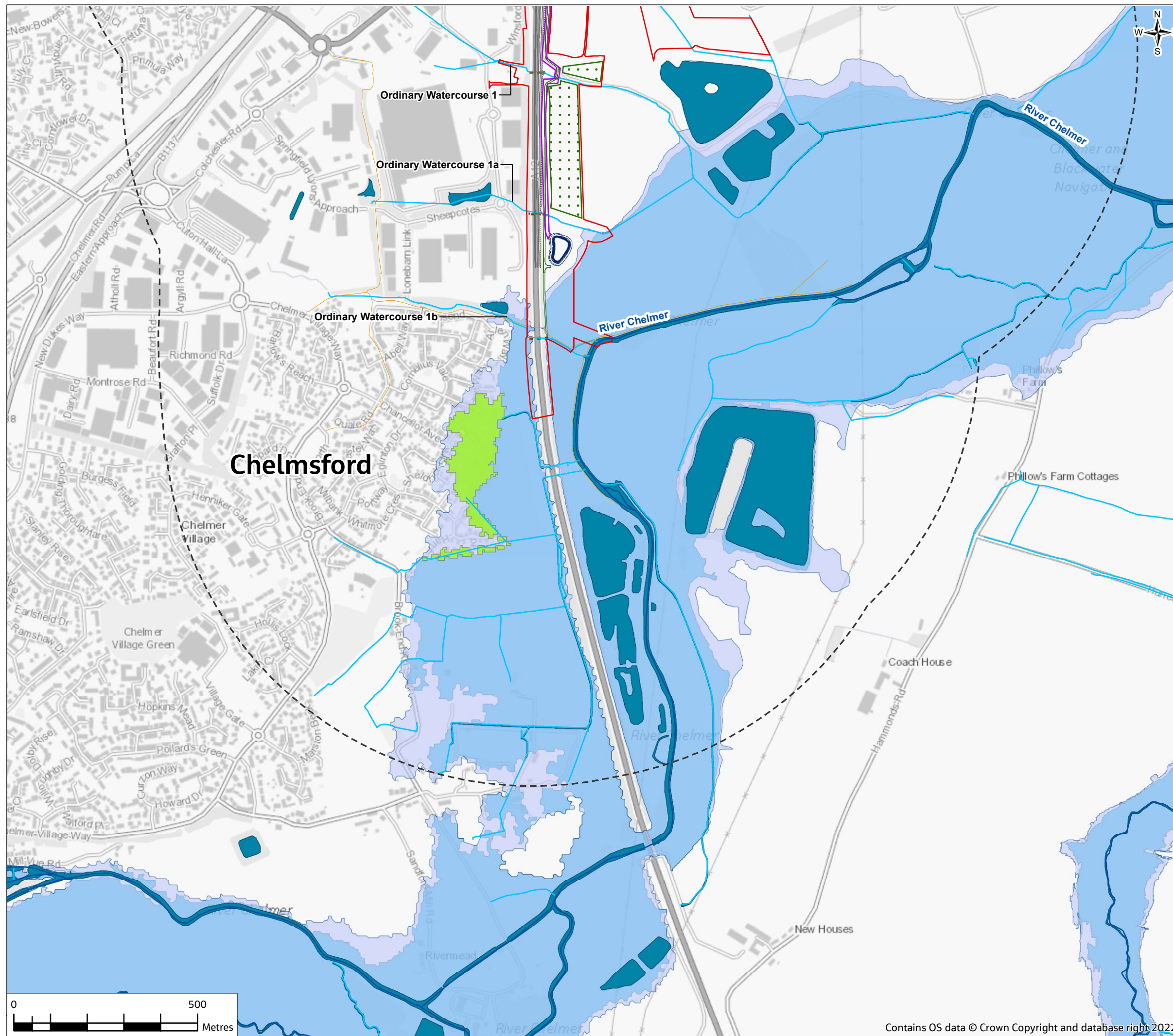


FIGURE 14.4



Legend

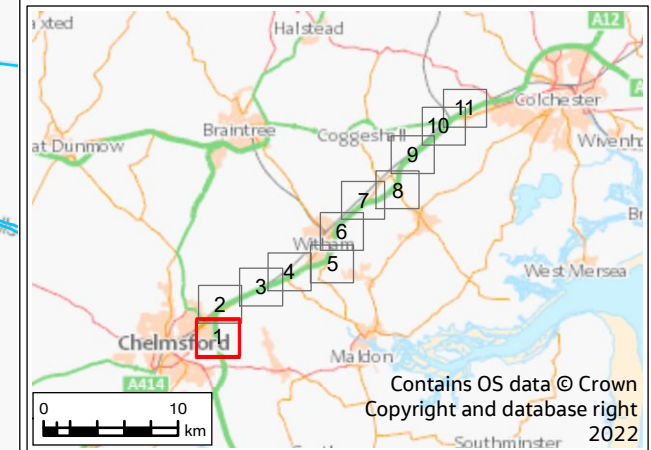
Proposed scheme

- Order Limits
- Study area
- Scheme
- Flood bund
- River diversion
- Cut-off ditch
- Culverts
- Walking, cycling and horse-riding route
- Haul roads
- Temporary roads
- Private means of access and pond access tracks
- Drainage pond
- Borrow pits
- Compounds and laydown areas
- Flood mitigation area

Water environment

- Temporary materials storage
- Temporary pond
- Main River
- Ordinary Watercourse*
- Existing water features (river, ponds, lakes and reservoirs)
- Areas benefitting from flood defences
- Flood Map for Planning Flood Zone 2
- Flood Map for Planning Flood Zone 3

Note:
 *Ordinary Watercourses in the vicinity of the proposed scheme have been numbered for ease of reference
 **see FRA for details of climate change allowance applied to modelled watercourses



P01	20/07/22	For DCO application	JC	CW	DS	SG
Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Development Consent Order Drawing Number: TR010060/APP/6.2			APFP Regulation: Regulation 5(2)(a)			

Client

Project

**REGIONAL DELIVERY PARTNERSHIP
 A12 CHELMSFORD TO A120 WIDENING SCHEME**

Drawing Title

**ENVIRONMENTAL STATEMENT
 EXISTING FLUVIAL FLOOD RISK
 SHEET 1 OF 11**

Drawing Status	S4 - SUITABLE FOR STAGE APPROVAL	
Scale @ A3	1:10000	DO NOT SCALE
Jacobs No.	B36601D1	Rev P01
Client No.	HE551497	
Drawing Number	HE551497-JAC-LDC-SCHW-SK-GI-0173	

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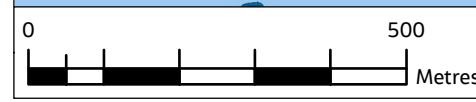
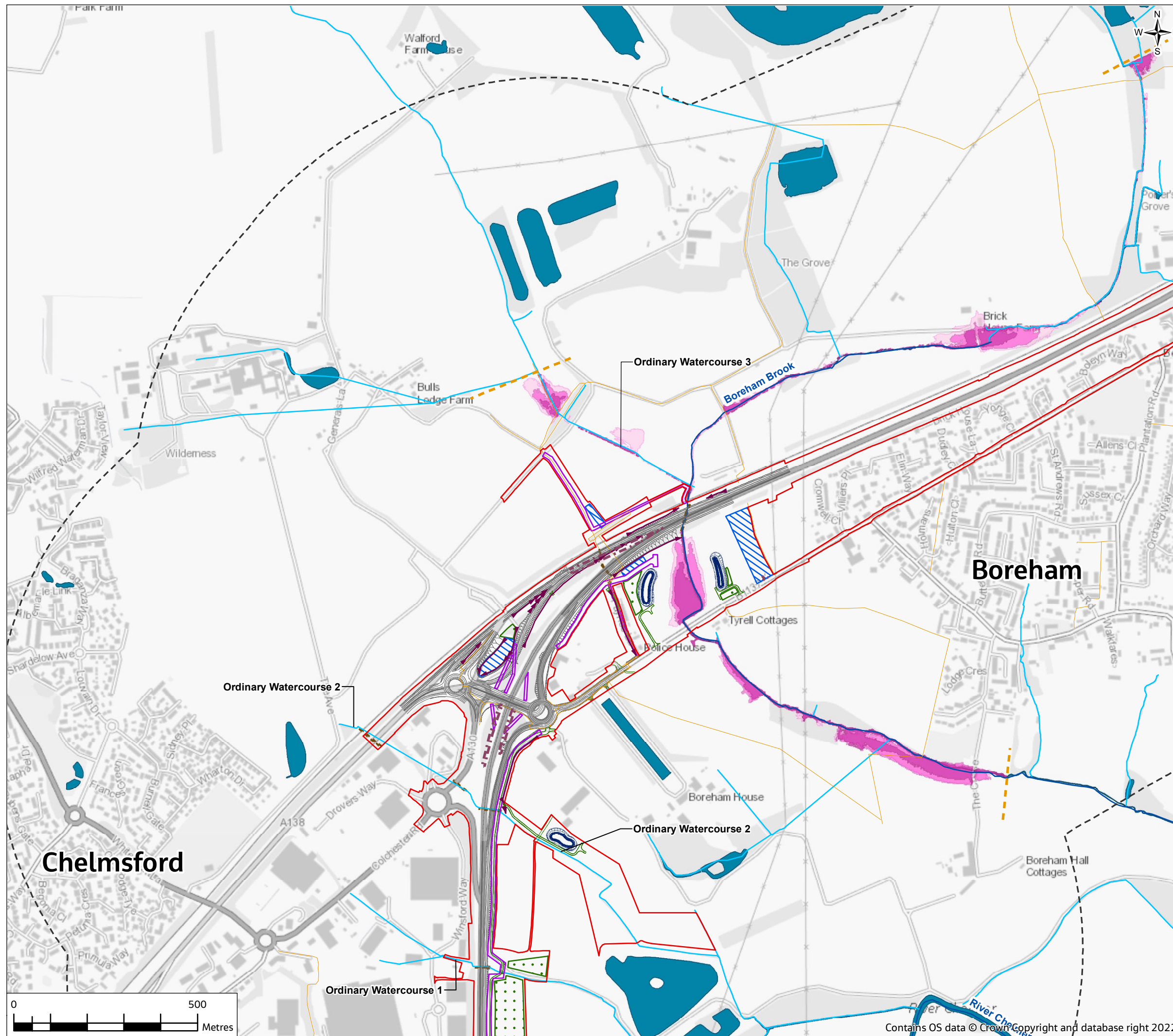


FIGURE 14.4



Legend

Proposed scheme

- Order Limits
- Study area
- Scheme
- Flood bund
- River diversion
- Cut-off ditch
- Culverts
- Walking, cycling and horse-riding route
- Haul roads
- Temporary roads
- Private means of access and pond access tracks
- Drainage pond
- Borrow pits
- Compounds and laydown areas
- Flood mitigation area

Water environment

- Main River
- Ordinary Watercourse*
- Existing water features (river, ponds, lakes and reservoirs)

Modelled fluvial flood extents

- 5% (1 in 20) AEP
- 1% (1 in 100) AEP
- 1% (1 in 100) AEP plus allowance for climate change**

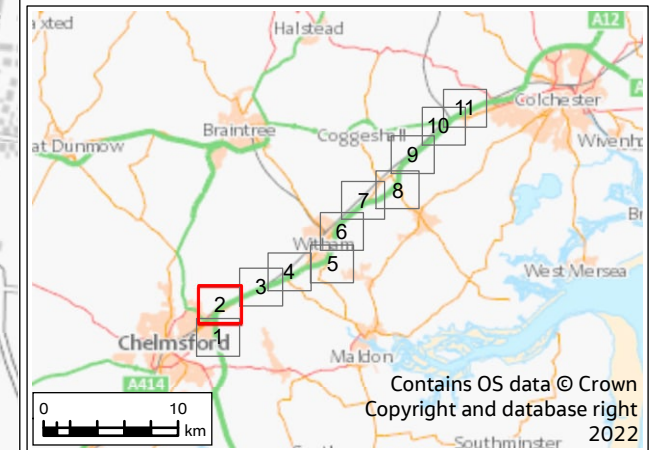
Hydraulic Model Extents

- Boreham Brook

Temporary materials storage

- Temporary pond

Note:
 *Ordinary Watercourses in the vicinity of the proposed scheme have been numbered for ease of reference
 **see FRA for details of climate change allowance applied to modelled watercourses



PO1	20/07/22	For DCO application	JC	CW	DS	SG
Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Development Consent Order Drawing Number: TR010060/APP/6.2			APFP Regulation: Regulation 5(2)(a)			

Client

Project

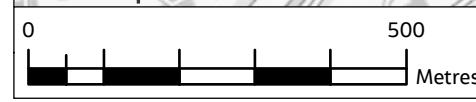
REGIONAL DELIVERY PARTNERSHIP
 A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing Title

ENVIRONMENTAL STATEMENT
 EXISTING FLUVIAL FLOOD RISK
 SHEET 2 OF 11

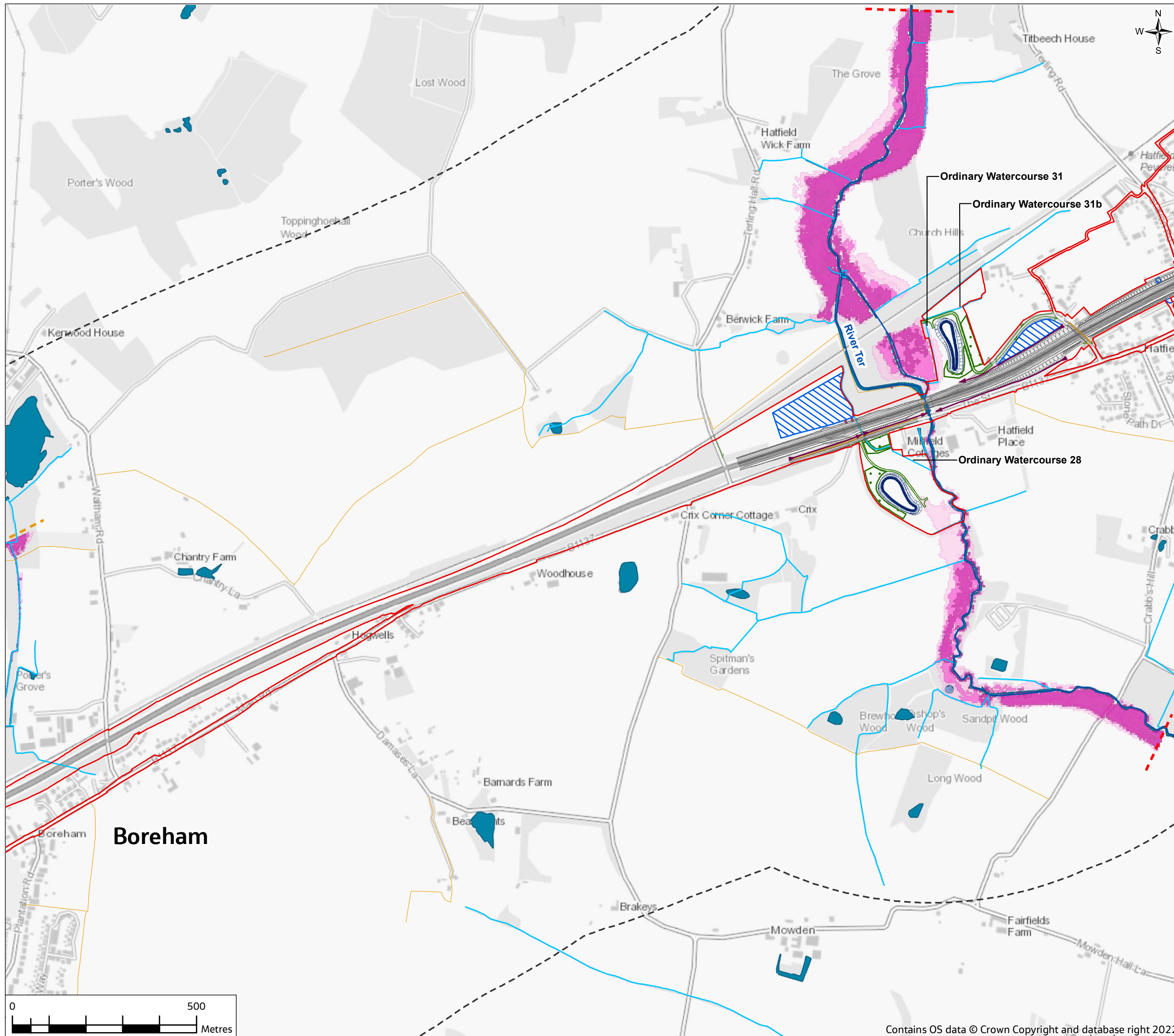
Drawing Status	S4 - SUITABLE FOR STAGE APPROVAL	
Scale @ A3	1:10000	DO NOT SCALE
Jacobs No.	B36601D1	Rev P01
Client No.	HE551497	
Drawing Number	HE551497-JAC-LDC-SCHW-SK-GI-0174	

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FIGURE 14.4



Legend

Proposed scheme

- Order Limits
- Study area
- Scheme
- Flood bund
- River diversion
- Cut-off ditch
- Culverts
- Walking, cycling and horse-riding route
- Haul roads
- Temporary roads
- Private means of access and pond access tracks
- Drainage pond
- Borrow pits
- Compounds and laydown areas
- Flood mitigation area

Water environment

- Main River
- Ordinary Watercourse*
- Existing water features (river, ponds, lakes and reservoirs)

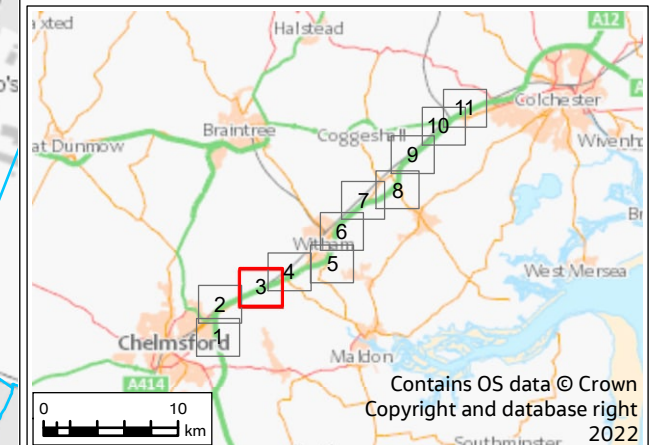
Modelled fluvial flood extents

- 5% (1 in 20) AEP
- 1% (1 in 100) AEP
- 1% (1 in 100) AEP plus allowance for climate change**

Hydraulic Model Extents

- Boreham Brook
- River Ter

Note:
 *Ordinary Watercourses in the vicinity of the proposed scheme have been numbered for ease of reference
 **see FRA for details of climate change allowance applied to modelled watercourses



PO1	20/07/22	For DCO application	JC	CW	DS	SG
Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Development Consent Order Drawing Number: TR010060/APP/6.2
 APFP Regulation: Regulation 5(2)(a)



Client: **national highways**

Project: **REGIONAL DELIVERY PARTNERSHIP
 A12 CHELMSFORD TO A120 WIDENING SCHEME**

Drawing Title: **ENVIRONMENTAL STATEMENT
 EXISTING FLUVIAL FLOOD RISK
 SHEET 3 OF 11**

Drawing Status: **S4 - SUITABLE FOR STAGE APPROVAL**

Scale @ A3: 1:10000
 Jacobs No.: B36601D1
 Client No.: HE551497

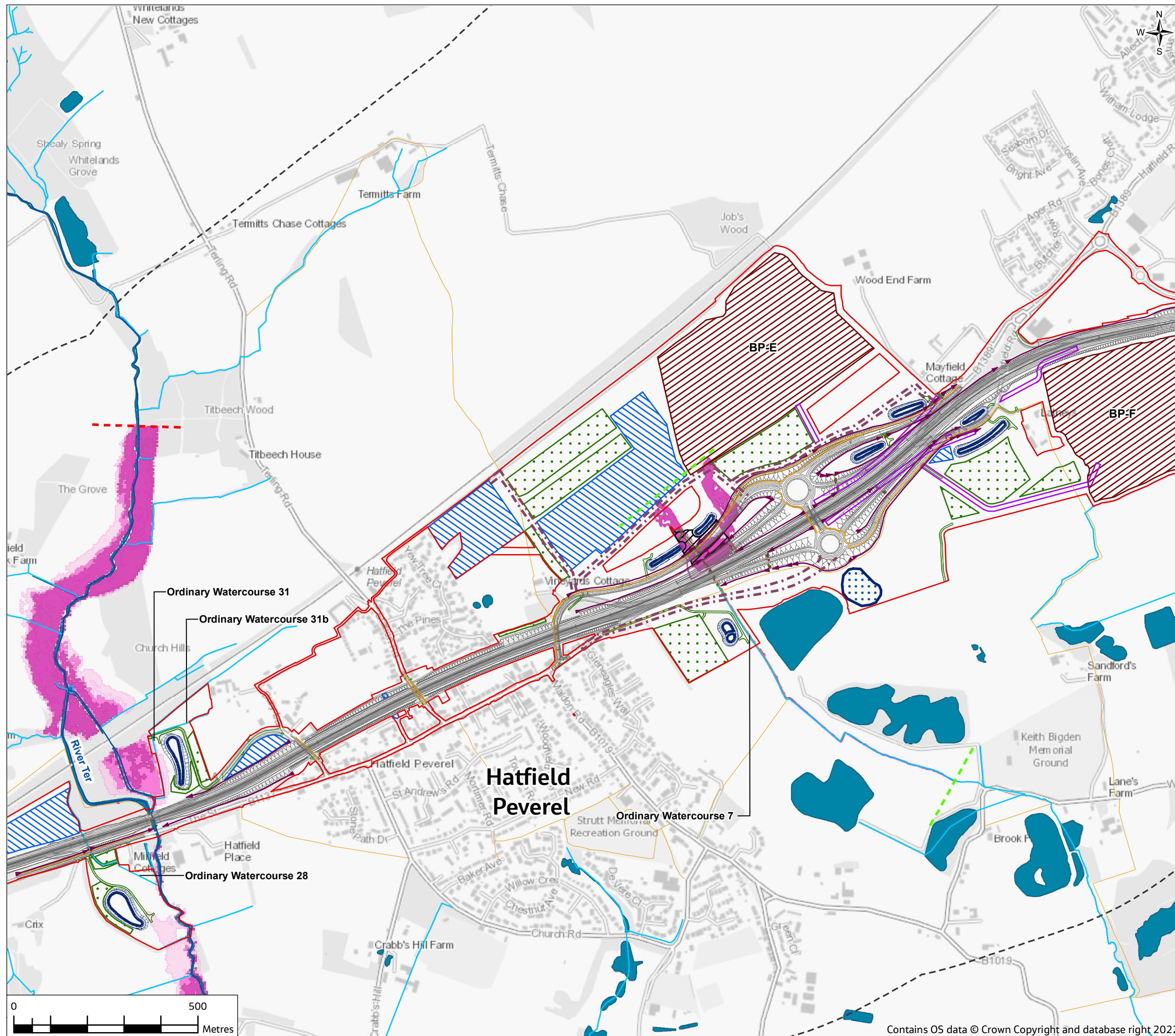
Drawing Number: **HE551497-JAC-LDC-SCHW-SK-GI-0175**

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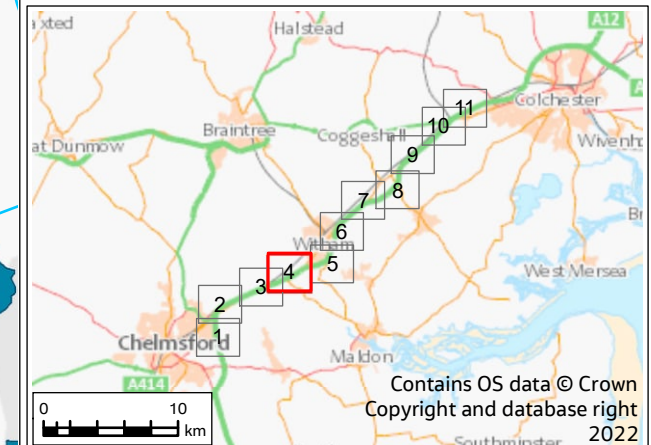
FIGURE 14.4



Legend

- Proposed scheme**
- Order Limits
- Study area
- Scheme
- Flood bund
- River diversion
- Cut-off ditch
- Culverts
- Walking, cycling and horse-riding route
- Haul roads
- Temporary roads
- Private means of access and pond access tracks
- Drainage pond
- Borrow pits
- Compounds and laydown areas
- Flood mitigation area
- Temporary materials storage
- Temporary pond
- Water environment**
- Main River
- Ordinary Watercourse*
- Existing water features (river, ponds, lakes and reservoirs)
- Modelled fluvial flood extents**
- 5% (1 in 20) AEP
- 1% (1 in 100) AEP
- 1% (1 in 100) AEP plus allowance for climate change**
- Hydraulic Model Extents**
- River Ter
- Minor watercourse 7

Note:
 *Ordinary Watercourses in the vicinity of the proposed scheme have been numbered for ease of reference
 **see FRA for details of climate change allowance applied to modelled watercourses



PO1	20/07/22	For DCO application	JC	CW	DS	SG
Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Development Consent Order Drawing Number: TR010060/APP/6.2
 APFF Regulation: Regulation 5(2)(a)



Project
 REGIONAL DELIVERY PARTNERSHIP
 A12 CHELMSFORD TO A120 WIDENING SCHEME

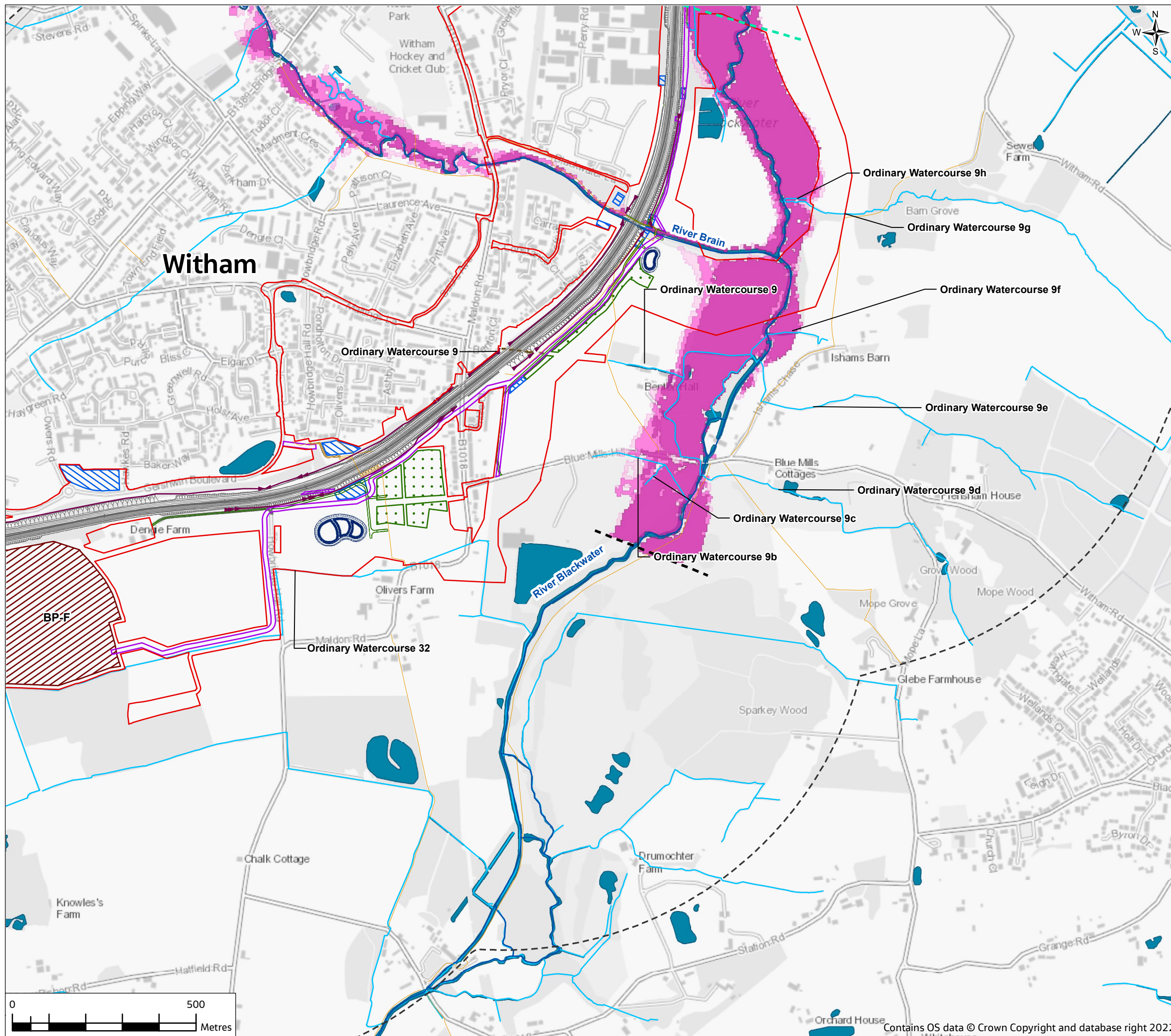
Drawing Title
 ENVIRONMENTAL STATEMENT
 EXISTING FLUVIAL FLOOD RISK
 SHEET 4 OF 11

Drawing Status	S4 - SUITABLE FOR STAGE APPROVAL	
Scale @ A3	1:10000	DO NOT SCALE
Jacobs No.	B36601D1	Rev P01
Client No.	HE551497	
Drawing Number	HE551497-JAC-LDC-SCHW-SK-GI-0176	

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FIGURE 14.4



Legend

Proposed scheme

- Order Limits
- Study area
- Scheme
- Flood bund
- River diversion
- Cut-off ditch
- Culverts
- Walking, cycling and horse-riding route
- Haul roads
- Temporary roads
- Private means of access and pond access tracks
- Drainage pond
- Borrow pits
- Compounds and laydown areas
- Flood mitigation area

Water environment

- Main River
- Ordinary Watercourse*
- Existing water features (river, ponds, lakes and reservoirs)

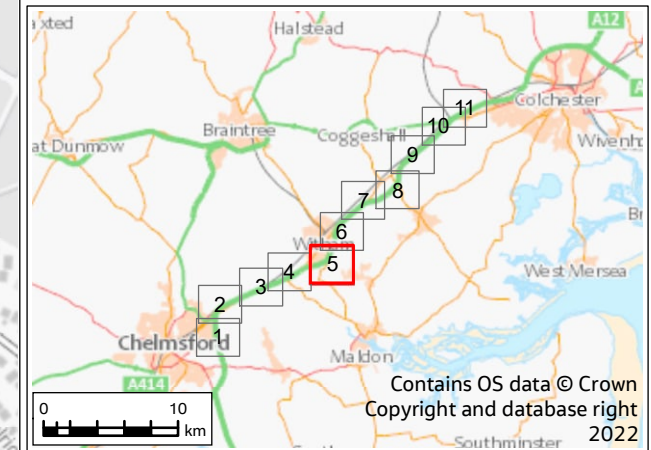
Modelled fluvial flood extents

- 5% (1 in 20) AEP
- 1% (1 in 100) AEP
- 1% (1 in 100) AEP plus allowance for climate change**

Hydraulic Model Extents

- River Blackwater
- River Brain

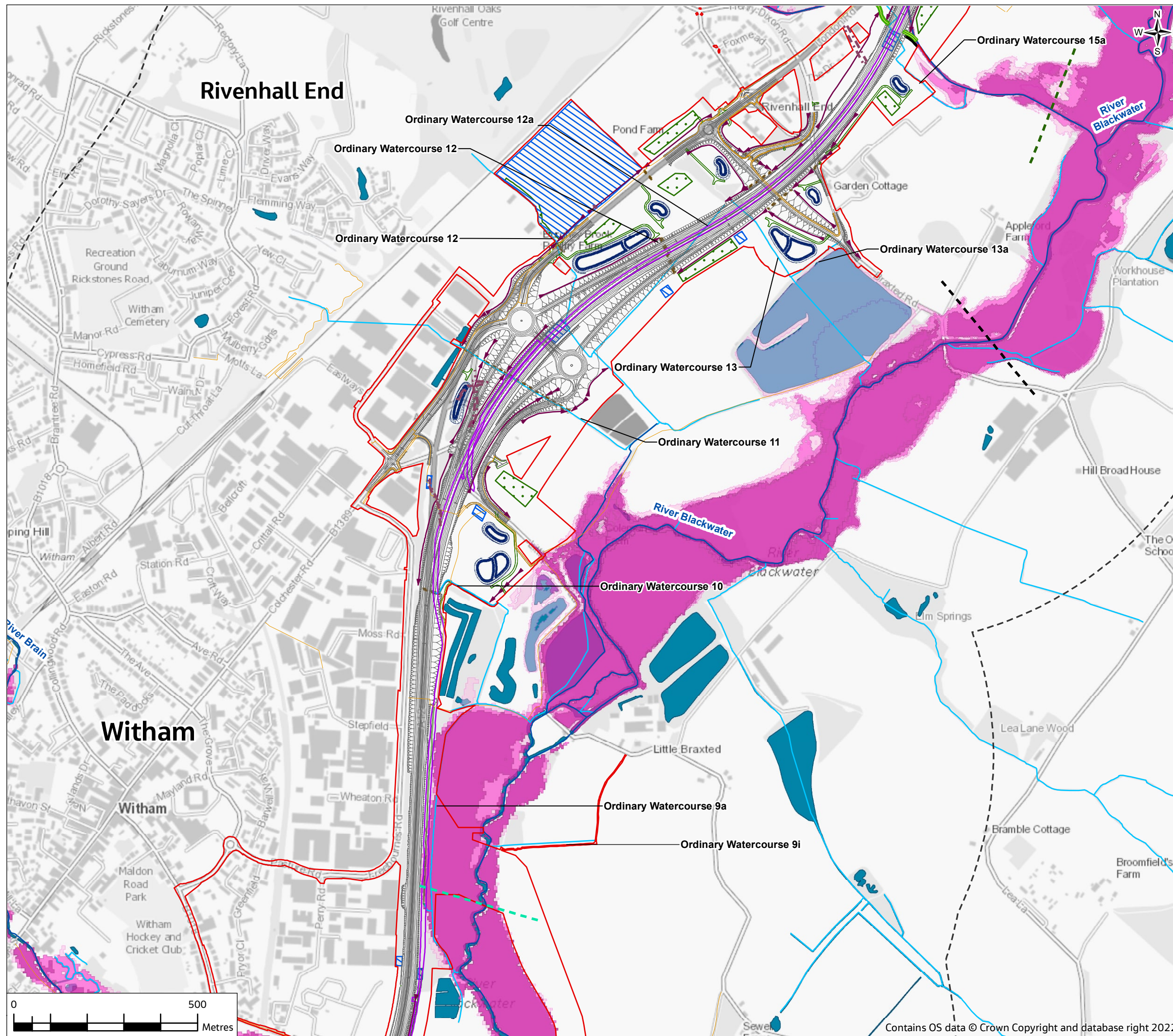
Note:
 *Ordinary Watercourses in the vicinity of the proposed scheme have been numbered for ease of reference
 **see FRA for details of climate change allowance applied to modelled watercourses



PO1	20/07/22	For DCO application	JC	CW	DS	SG
Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Development Consent Order Drawing Number: TR010060/APP/6.2			APFP Regulation: Regulation 5(2)(a)			
Project REGIONAL DELIVERY PARTNERSHIP A12 CHELMSFORD TO A120 WIDENING SCHEME						
Drawing Title ENVIRONMENTAL STATEMENT EXISTING FLUVIAL FLOOD RISK SHEET 5 OF 11						
Drawing Status S4 - SUITABLE FOR STAGE APPROVAL						
Scale @ A3		1:10000	DO NOT SCALE			
Jacobs No.		B36601D1	Rev P01			
Client No.		HE551497				
Drawing Number HE551497-JAC-LDC-SCHW-SK-GI-0177						

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FIGURE 14.4



Legend

Proposed scheme

- Order Limits
- Study area
- Scheme
- Flood bund
- River diversion
- Cut-off ditch
- Culverts
- Walking, cycling and horse-riding route
- Haul roads
- Temporary roads
- Private means of access and pond access tracks
- Drainage pond
- Borrow pits
- Compounds and laydown areas
- Flood mitigation area

Water environment

- Main River
- Ordinary Watercourse*
- Existing water features (river, ponds, lakes and reservoirs)

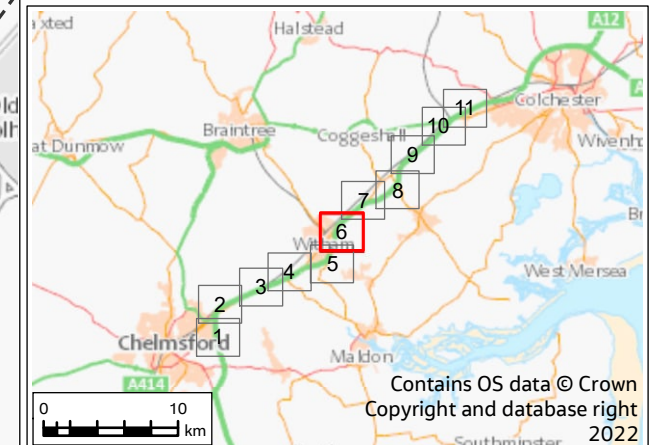
Modelled fluvial flood extents

- 5% (1 in 20) AEP
- 1% (1 in 100) AEP
- 1% (1 in 100) AEP plus allowance for climate change**

Hydraulic Model Extents

- Rivenhall Brook
- River Blackwater
- River Brain

Note:
 *Ordinary Watercourses in the vicinity of the proposed scheme have been numbered for ease of reference
 **see FRA for details of climate change allowance applied to modelled watercourses



P01	20/07/22	For DCO application	JC	CW	DS	SG
Rev.	Rev. Date	Purpose of revision	Draw	Check'd	Rev'd	Appr'd
Development Consent Order Drawing Number: TR010060/APP/6.2			APFP Regulation: Regulation 5(2)(a)			



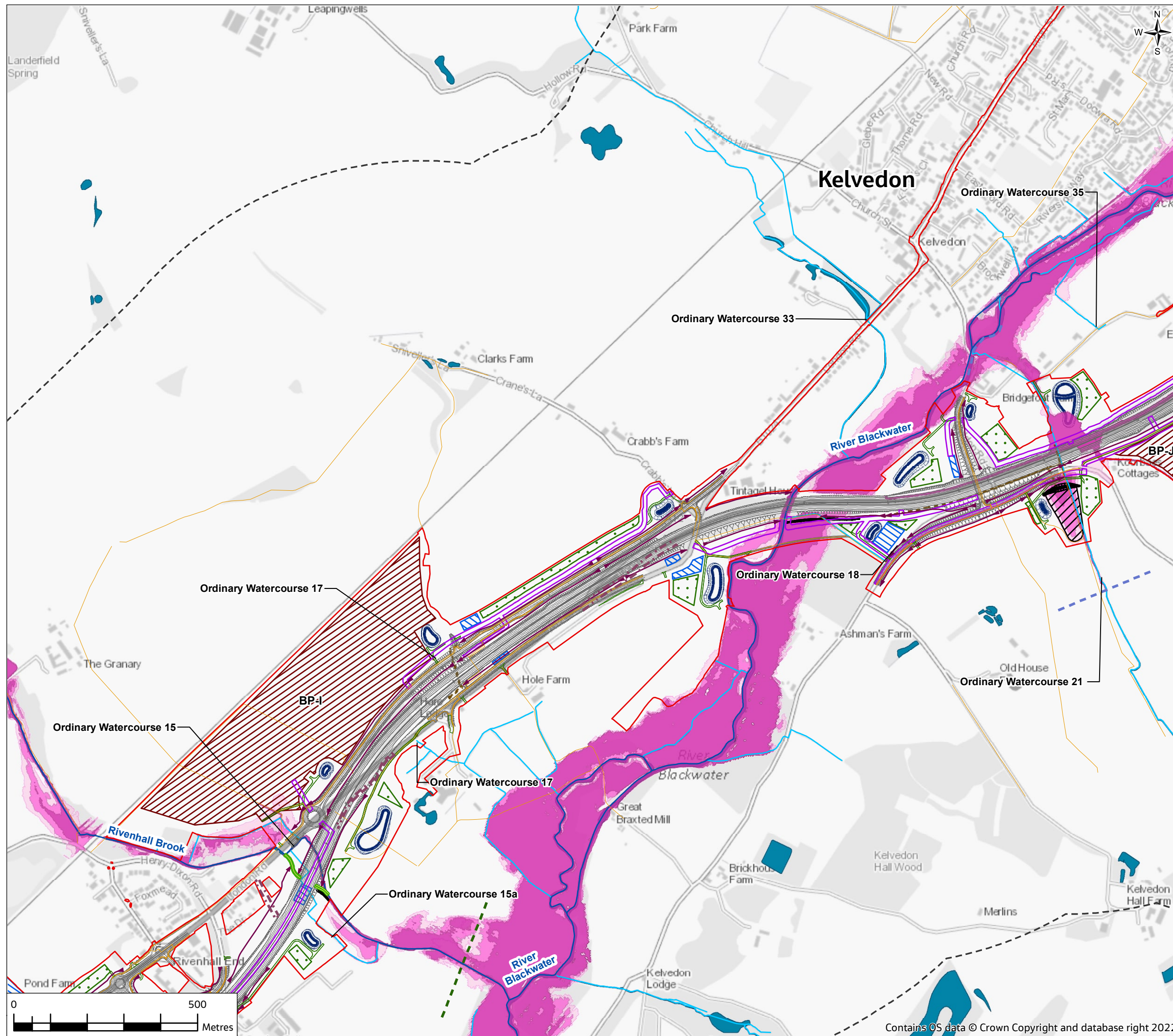
Client
 Project
**REGIONAL DELIVERY PARTNERSHIP
 A12 CHELMSFORD TO A120 WIDENING SCHEME**

Drawing Title
**ENVIRONMENTAL STATEMENT
 EXISTING FLUVIAL FLOOD RISK
 SHEET 6 OF 11**

Drawing Status	S4 - SUITABLE FOR STAGE APPROVAL	
Scale @ A3	1:10000	DO NOT SCALE
Jacobs No.	B36601D1	Rev P01
Client No.	HE551497	
Drawing Number	HE551497-JAC-LDC-SCHW-SK-GI-0178	

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FIGURE 14.4



Legend

Proposed scheme

- Order Limits
- Study area
- Scheme
- Flood bund
- River diversion
- Cut-off ditch
- Culverts
- Walking, cycling and horse-riding route
- Haul roads
- Temporary roads
- Private means of access and pond access tracks
- Drainage pond
- Borrow pits
- Compounds and laydown areas
- Flood mitigation area

Water environment

- Main River
- Ordinary Watercourse*
- Existing water features (river, ponds, lakes and reservoirs)

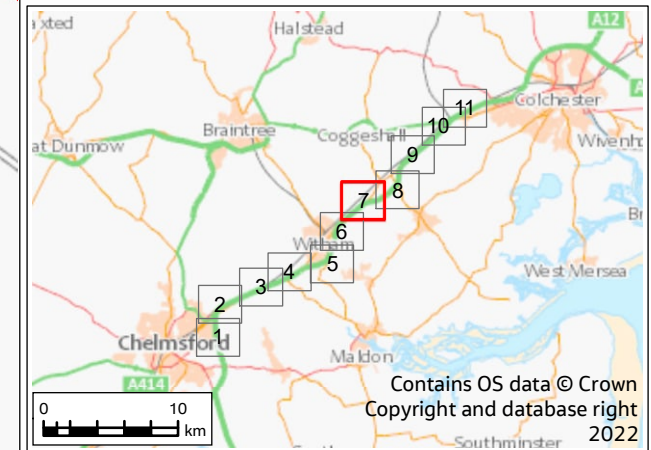
Modelled fluvial flood extents

- 5% (1 in 20) AEP
- 1% (1 in 100) AEP
- 1% (1 in 100) AEP plus allowance for climate change**

Hydraulic Model Extents

- Rivenhall Brook
- Minor watercourse 21

Note:
 *Ordinary Watercourses in the vicinity of the proposed scheme have been numbered for ease of reference
 **see FRA for details of climate change allowance applied to modelled watercourses

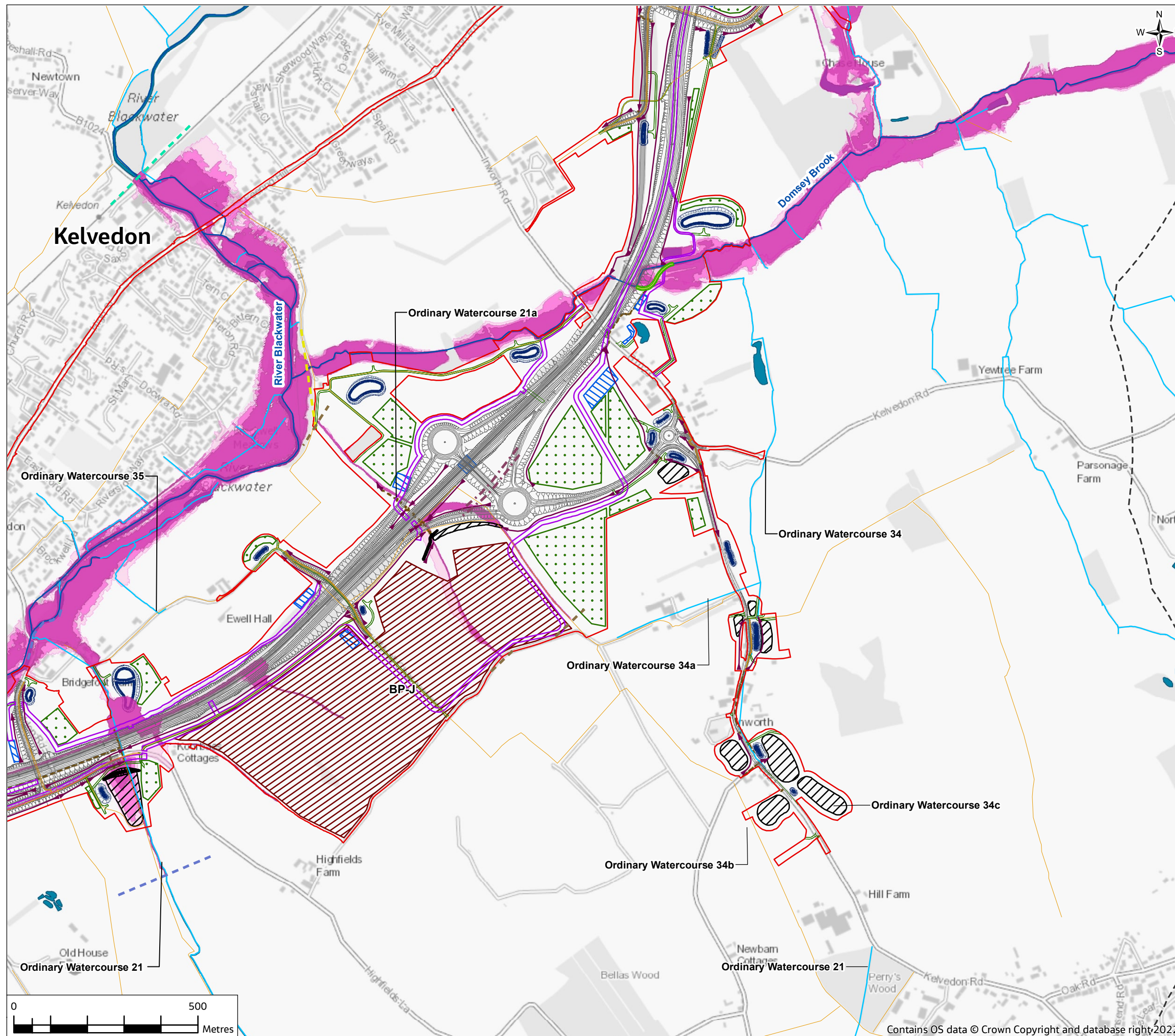


P01	20/07/22	For DCO application	JC	CW	DS	SG
Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Development Consent Order Drawing Number: TR010060/APP/6.2			APPP Regulation: Regulation 5(2)(a)			
Project REGIONAL DELIVERY PARTNERSHIP A12 CHELMSFORD TO A120 WIDENING SCHEME						
Drawing Title ENVIRONMENTAL STATEMENT EXISTING FLUVIAL FLOOD RISK SHEET 7 OF 11						
Drawing Status S4 - SUITABLE FOR STAGE APPROVAL						
Scale @ A3		1:10000	DO NOT SCALE			
Jacobs No.		B36601D1	Rev P01			
Client No.		HE551497				
Drawing Number HE551497-JAC-LDC-SCHW-SK-GI-0179						



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FIGURE 14.4



Legend

Proposed scheme

- Order Limits
- Study area
- Scheme
- Flood bund
- River diversion
- Cut-off ditch
- Culverts
- Walking, cycling and horse-riding route
- Haul roads
- Temporary roads
- Private means of access and pond access tracks
- Drainage pond
- Borrow pits
- Compounds and laydown areas
- Flood mitigation area

Water environment

- Main River
- Ordinary Watercourse*
- Existing water features (river, ponds, lakes and reservoirs)

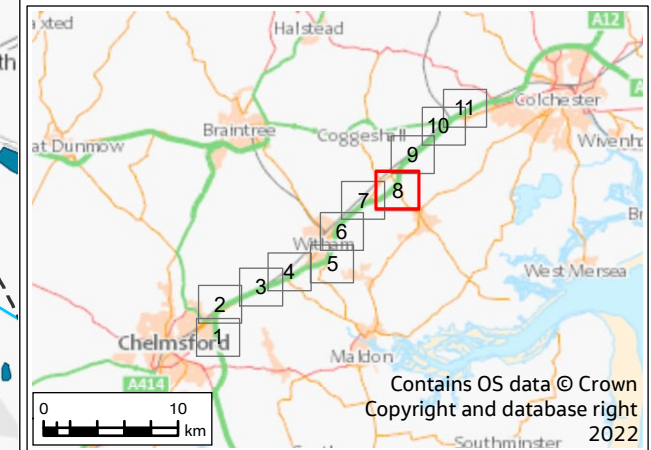
Modelled fluvial flood extents

- 5% (1 in 20) AEP
- 1% (1 in 100) AEP
- 1% (1 in 100) AEP plus allowance for climate change**

Hydraulic Model Extents

- Domsey Brook
- River Blackwater
- Minor watercourse 21
- Minor watercourse 21A

Note:
 *Ordinary Watercourses in the vicinity of the proposed scheme have been numbered for ease of reference
 **see FRA for details of climate change allowance applied to modelled watercourses



P01	20/07/22	For DCO application	JC	CW	DS	SG
Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Development Consent Order Drawing Number: TR010060/APP/6.2			APFP Regulation: Regulation 5(2)(a)			



Project
**REGIONAL DELIVERY PARTNERSHIP
 A12 CHELMSFORD TO A120 WIDENING SCHEME**

Drawing Title
**ENVIRONMENTAL STATEMENT
 EXISTING FLUVIAL FLOOD RISK
 SHEET 8 OF 11**

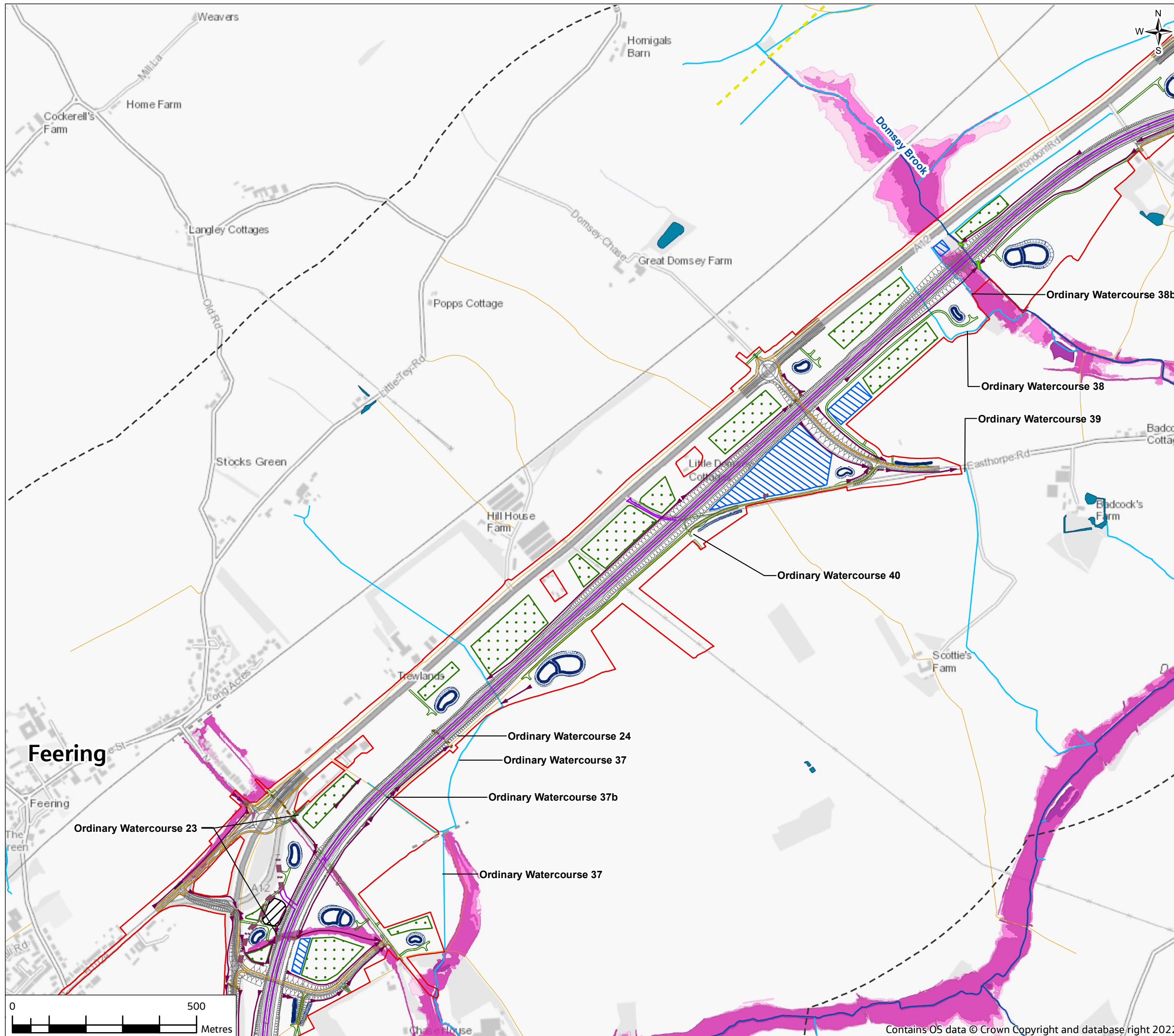
Drawing Status	S4 - SUITABLE FOR STAGE APPROVAL		
Scale @ A3	1:10000	DO NOT SCALE	
Jacobs No.	B36601D1	Rev	P01
Client No.	HE551497		
Drawing Number	HE551497-JAC-LDC-SCHW-SK-GI-0180		

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FIGURE 14.4



Legend

Proposed scheme

- Order Limits
- Study area
- Scheme
- Flood bund
- River diversion
- Cut-off ditch
- Culverts
- Walking, cycling and horse-riding route
- Haul roads
- Temporary roads
- Private means of access and pond access tracks
- Drainage pond
- Borrow pits
- Compounds and laydown areas
- Flood mitigation area

Water environment

- Main River
- Ordinary Watercourse*
- Existing water features (river, ponds, lakes and reservoirs)

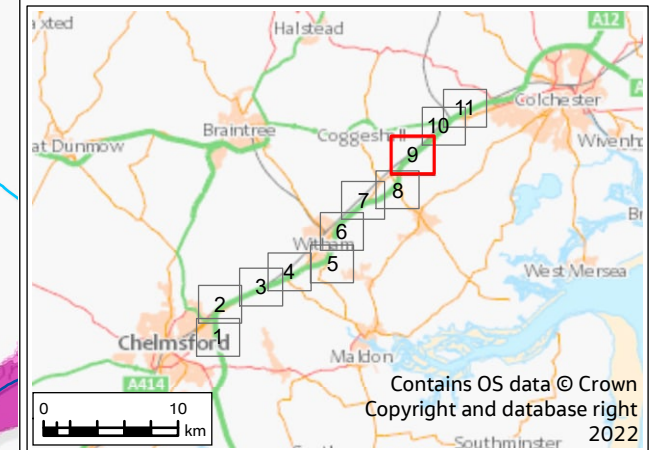
Modelled fluvial flood extents

- 5% (1 in 20) AEP
- 1% (1 in 100) AEP
- 1% (1 in 100) AEP plus allowance for climate change**

Hydraulic Model Extents

- Domsey Brook
- Minor watercourse 23

Note:
 *Ordinary Watercourses in the vicinity of the proposed scheme have been numbered for ease of reference
 **see FRA for details of climate change allowance applied to modelled watercourses



P01	20/07/22	For DCO application	JC	CW	DS	SG
Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Development Consent Order Drawing Number: TR010060/APP/6.2			APFP Regulation: Regulation 5(2)(a)			



Project
 REGIONAL DELIVERY PARTNERSHIP
 A12 CHELMSFORD TO A120 WIDENING SCHEME

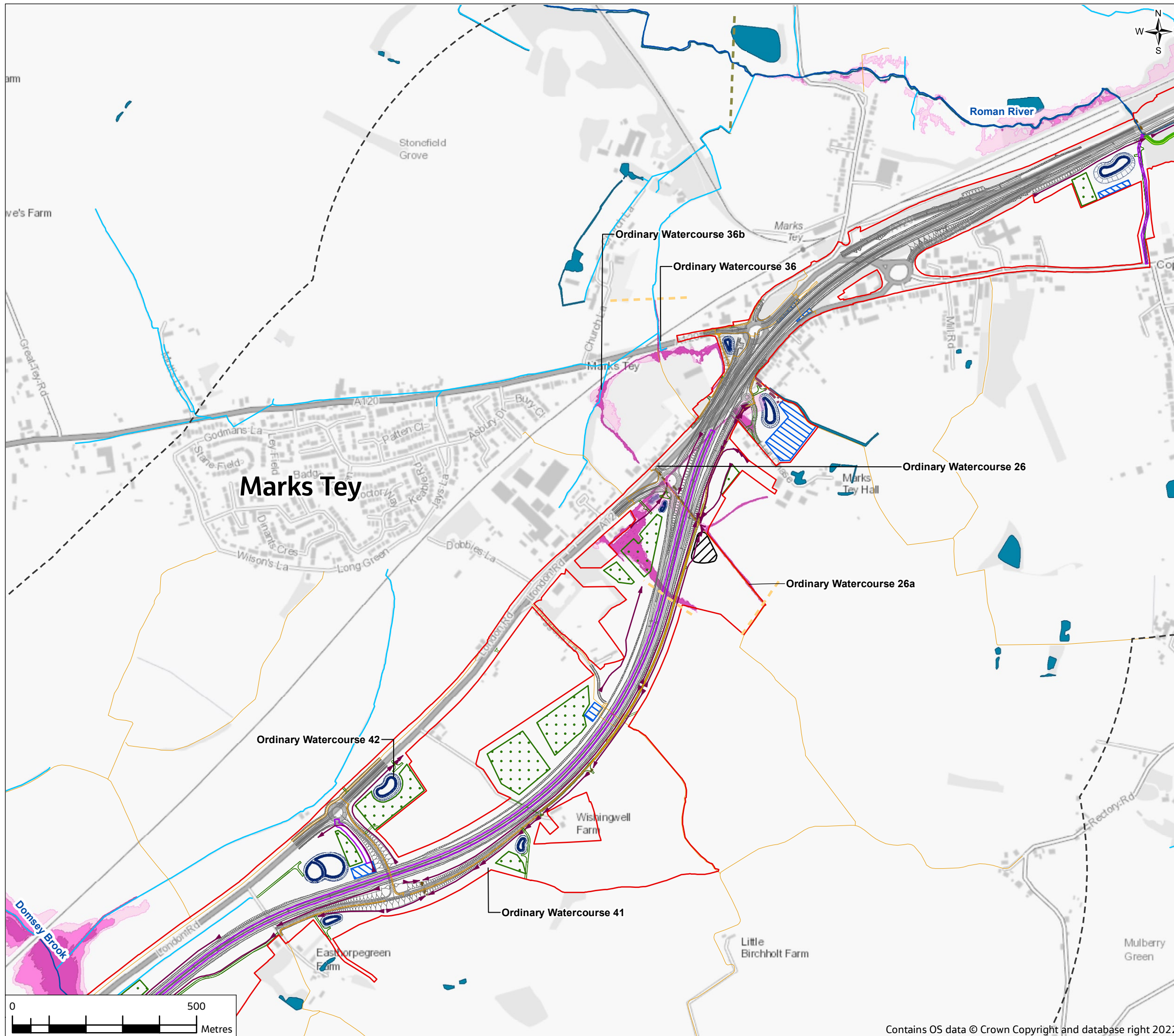
Drawing Title
 ENVIRONMENTAL STATEMENT
 EXISTING FLUVIAL FLOOD RISK
 SHEET 9 OF 11

Drawing Status	S4 - SUITABLE FOR STAGE APPROVAL	
Scale @ A3	1:10000	DO NOT SCALE
Jacobs No.	B36601D1	Rev P01
Client No.	HE551497	
Drawing Number	HE551497-JAC-LDC-SCHW-SK-GI-0181	

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FIGURE 14.4



Legend

Proposed scheme

- Order Limits
- Study area
- Scheme
- Flood bund
- River diversion
- Cut-off ditch
- Culverts
- Walking, cycling and horse-riding route
- Haul roads
- Temporary roads
- Private means of access and pond access tracks
- Drainage pond
- Borrow pits
- Compounds and laydown areas
- Flood mitigation area

Water environment

- Temporary materials storage
- Temporary pond
- Main River
- Ordinary Watercourse*
- Existing water features (river, ponds, lakes and reservoirs)

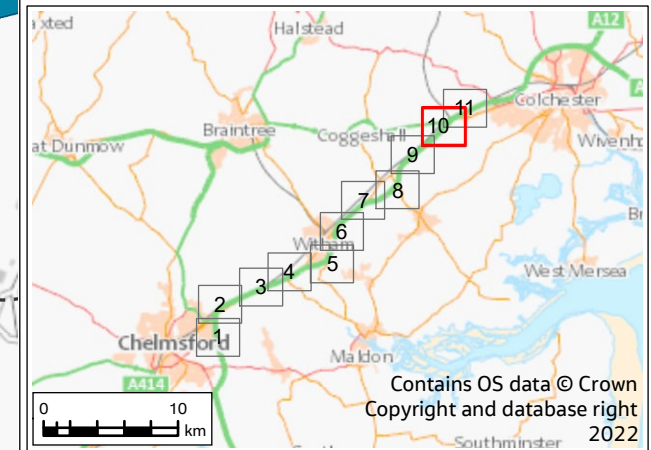
Modelled fluvial flood extents

- 5% (1 in 20) AEP
- 1% (1 in 100) AEP
- 1% (1 in 100) AEP plus allowance for climate change**

Hydraulic Model Extents

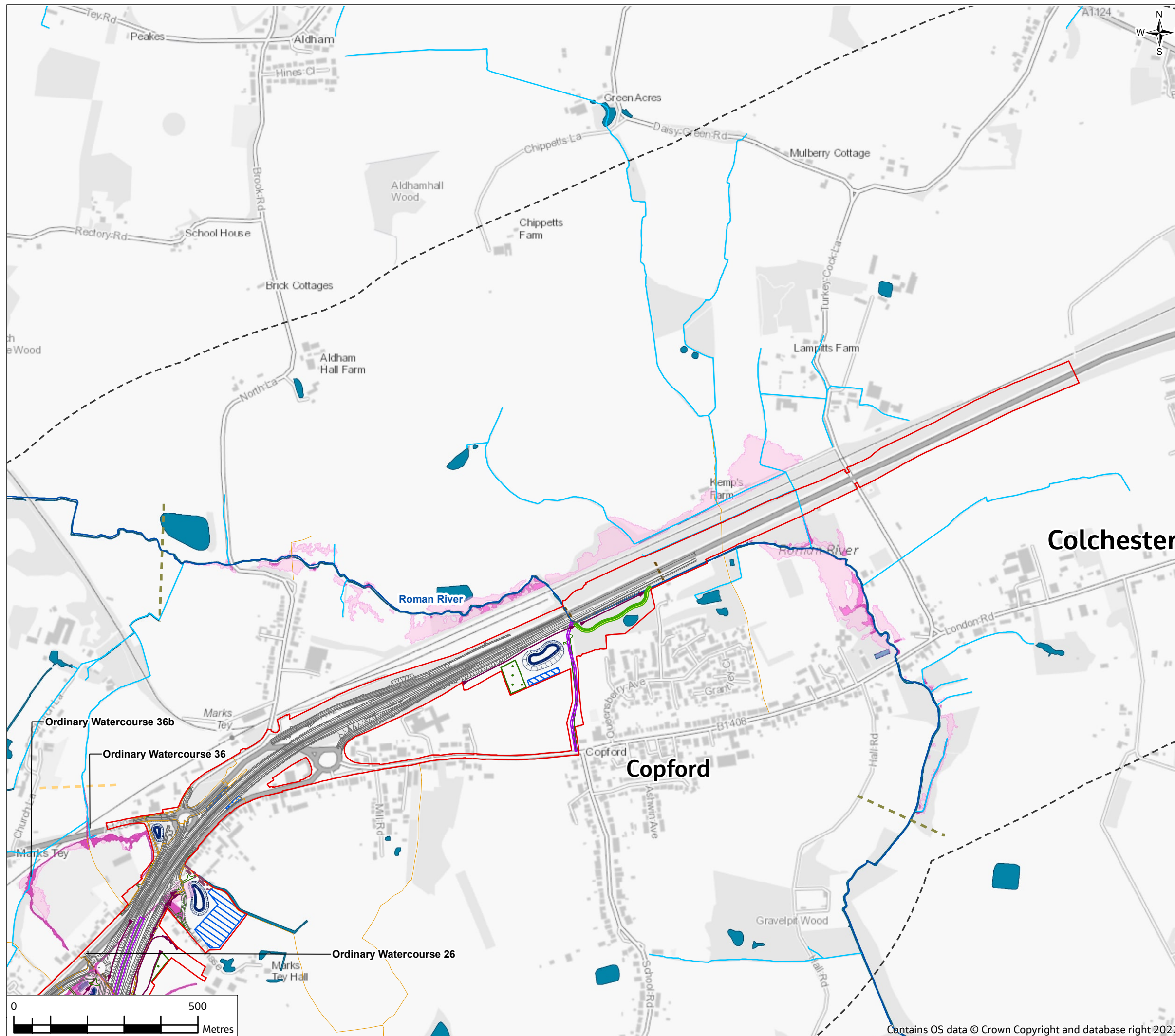
- Roman River
- Minor watercourse 26

Note:
 *Ordinary Watercourses in the vicinity of the proposed scheme have been numbered for ease of reference
 **see FRA for details of climate change allowance applied to modelled watercourses



P01	20/07/22	For DCO application	JC	CW	DS	SG
Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Development Consent Order Drawing Number: TR010060/APP/6.2			APFP Regulation: Regulation 5(2)(a)			
Project REGIONAL DELIVERY PARTNERSHIP A12 CHELMSFORD TO A120 WIDENING SCHEME						
Drawing Title ENVIRONMENTAL STATEMENT EXISTING FLUVIAL FLOOD RISK SHEET 10 OF 11						
Drawing Status S4 - SUITABLE FOR STAGE APPROVAL						
Scale @ A3		1:10000	DO NOT SCALE			
Jacobs No.		B36601D1	Rev P01			
Client No.		HE551497				
Drawing Number HE551497-JAC-LDC-SCHW-SK-GI-0182						

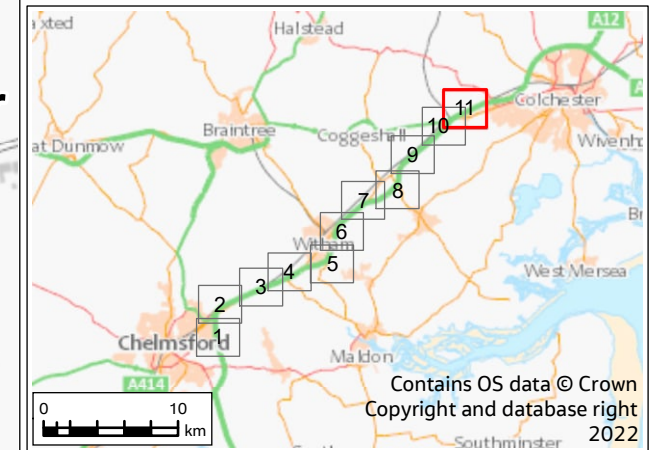
FIGURE 14.4



Legend

Proposed scheme	Temporary materials storage
Order Limits	Temporary pond
Study area	Water environment
Scheme	Main River
Flood bund	Ordinary Watercourse*
River diversion	Existing water features (river, ponds, lakes and reservoirs)
Cut-off ditch	Modelled fluvial flood extents
Culverts	5% (1 in 20) AEP
Walking, cycling and horse-riding route	1% (1 in 100) AEP
Haul roads	1% (1 in 100) AEP plus allowance for climate change**
Temporary roads	Hydraulic Model Extents
Private means of access and pond access tracks	Roman River
Drainage pond	Minor watercourse 26
Borrow pits	
Compounds and laydown areas	
Flood mitigation area	

Note:
 *Ordinary Watercourses in the vicinity of the proposed scheme have been numbered for ease of reference
 **see FRA for details of climate change allowance applied to modelled watercourses



PO1	20/07/22	For DCO application	JC	CW	DS	SG
Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Development Consent Order Drawing Number: TR010060/APP/6.2			APFP Regulation: Regulation 5(2)(a)			
Project REGIONAL DELIVERY PARTNERSHIP A12 CHELMSFORD TO A120 WIDENING SCHEME						
Drawing Title ENVIRONMENTAL STATEMENT EXISTING FLUVIAL FLOOD RISK SHEET 11 OF 11						
Drawing Status S4 - SUITABLE FOR STAGE APPROVAL						
Scale @ A3		1:10000	DO NOT SCALE			
Jacobs No.		B36601D1	Rev P01			
Client No.		HE551497				
Drawing Number HE551497-JAC-LDC-SCHW-SK-GI-0183						

