

Lower Thames Crossing

6.3 Environmental Statement Appendices

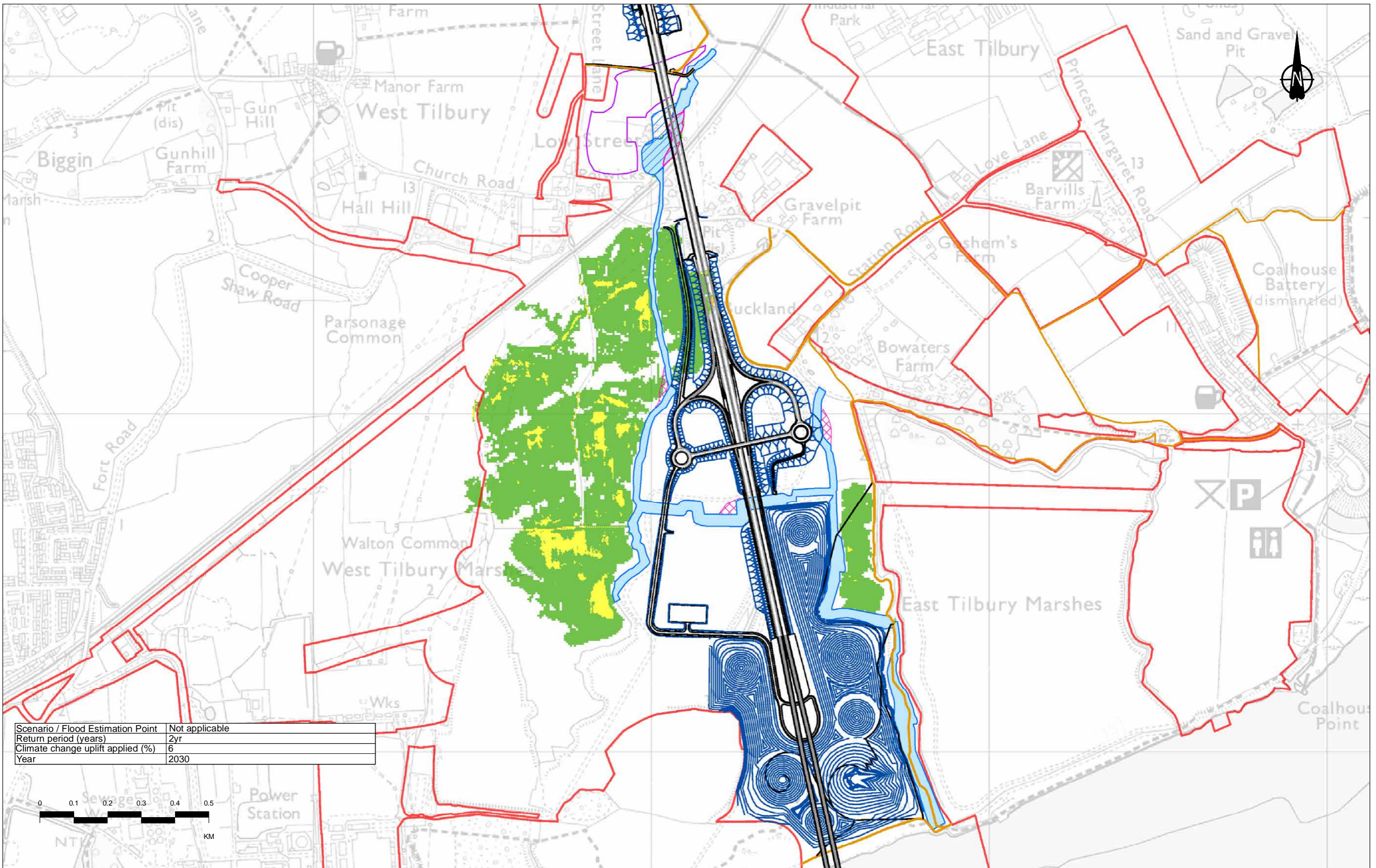
Appendix 14.6 - Flood Risk Assessment - Part 9 Annex G

APFP Regulation 5(2)(a)
Infrastructure Planning
(Applications: Prescribed Forms and Procedure)
Regulations 2009
Volume 6

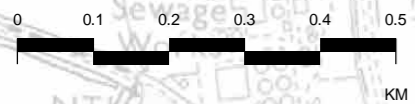
DATE: October 2022

Planning Inspectorate Scheme Ref: TR010032
Application Document Ref: TR010032/APP/6.3

VERSION: 1.0



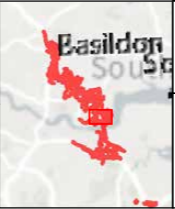
Scenario / Flood Estimation Point	Not applicable
Return period (years)	2yr
Climate change uplift applied (%)	6
Year	2030



P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

Legend

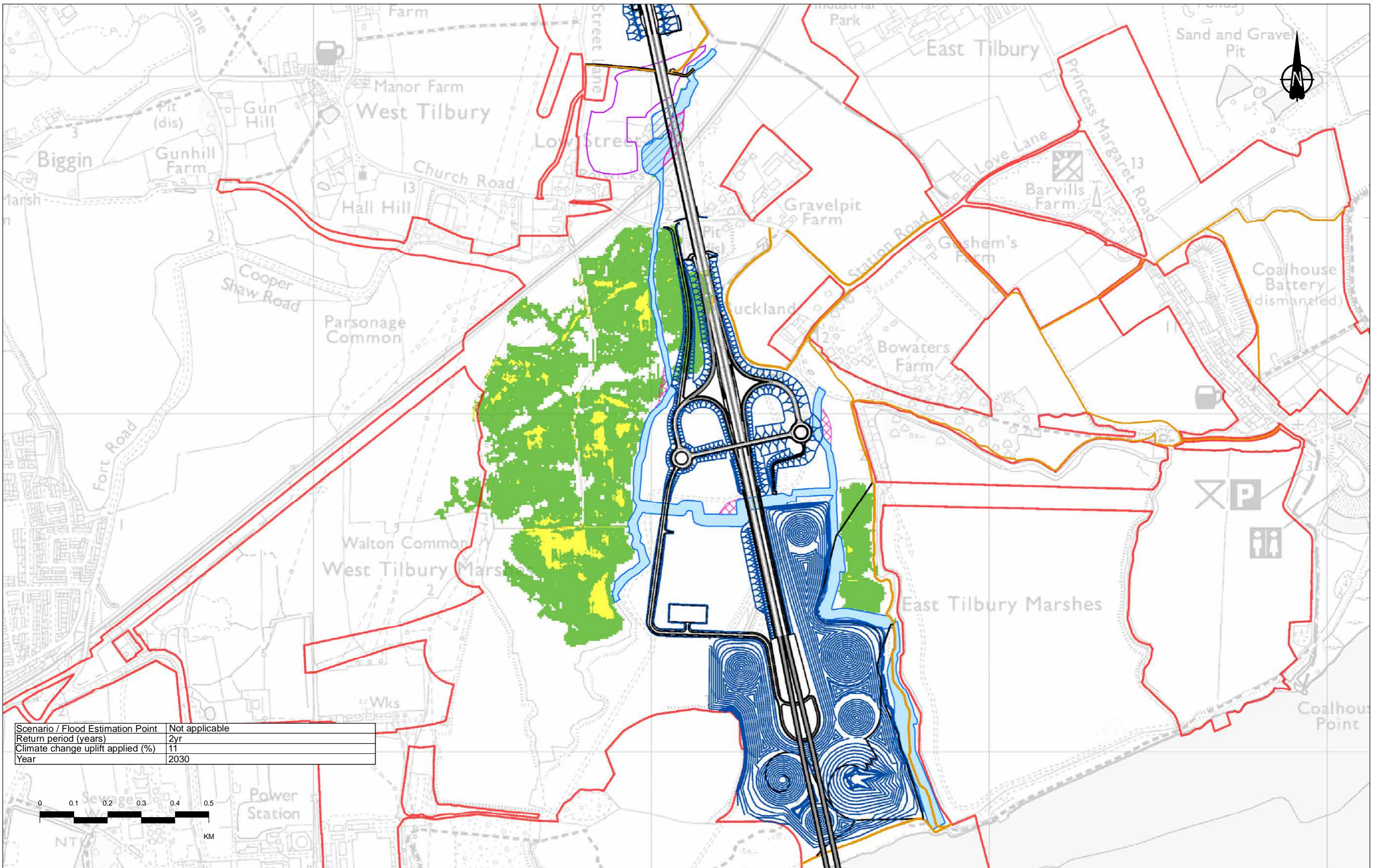
1D Channel	Alignment	Proposed LTC alignment	Maximum flood depth (m)
1D Channel diversions	Earthworks	0 - 0.25	0.25 - 0.5
Compensation storage area	NMU Routes	0.5 - 1.0	1.0 - 2.0
Existing reservoir infilled		> 2.0	
Revised reservoir footprint			
Order Limits			



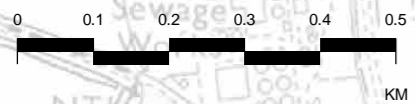
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Pre-development Sheet 1 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00900				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	2yr
Climate change uplift applied (%)	11
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

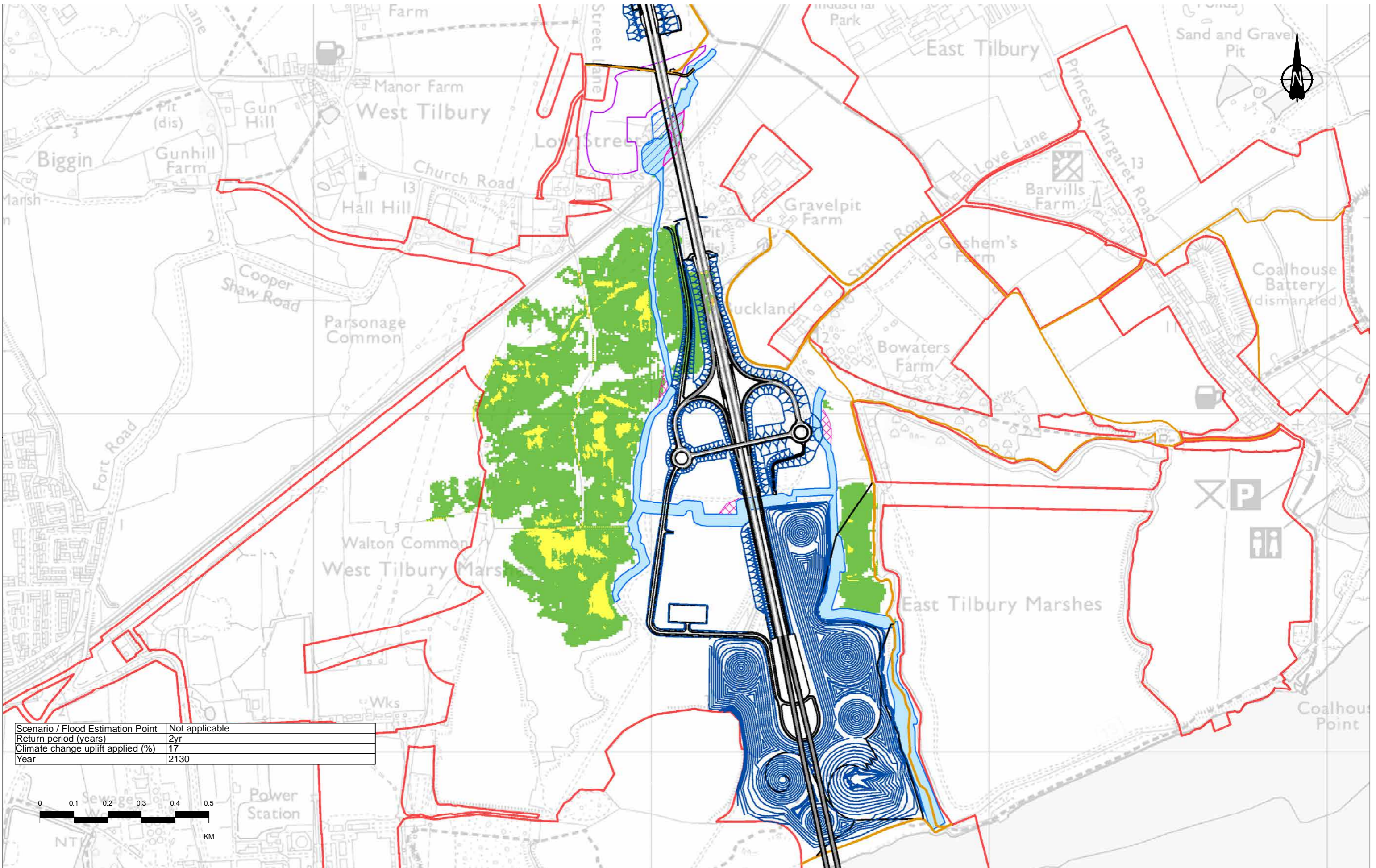
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	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



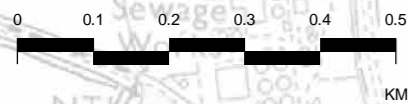
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Pre-development Sheet 2 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00901				



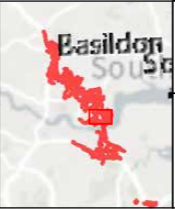
Scenario / Flood Estimation Point	Not applicable
Return period (years)	2yr
Climate change uplift applied (%)	17
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

Legend

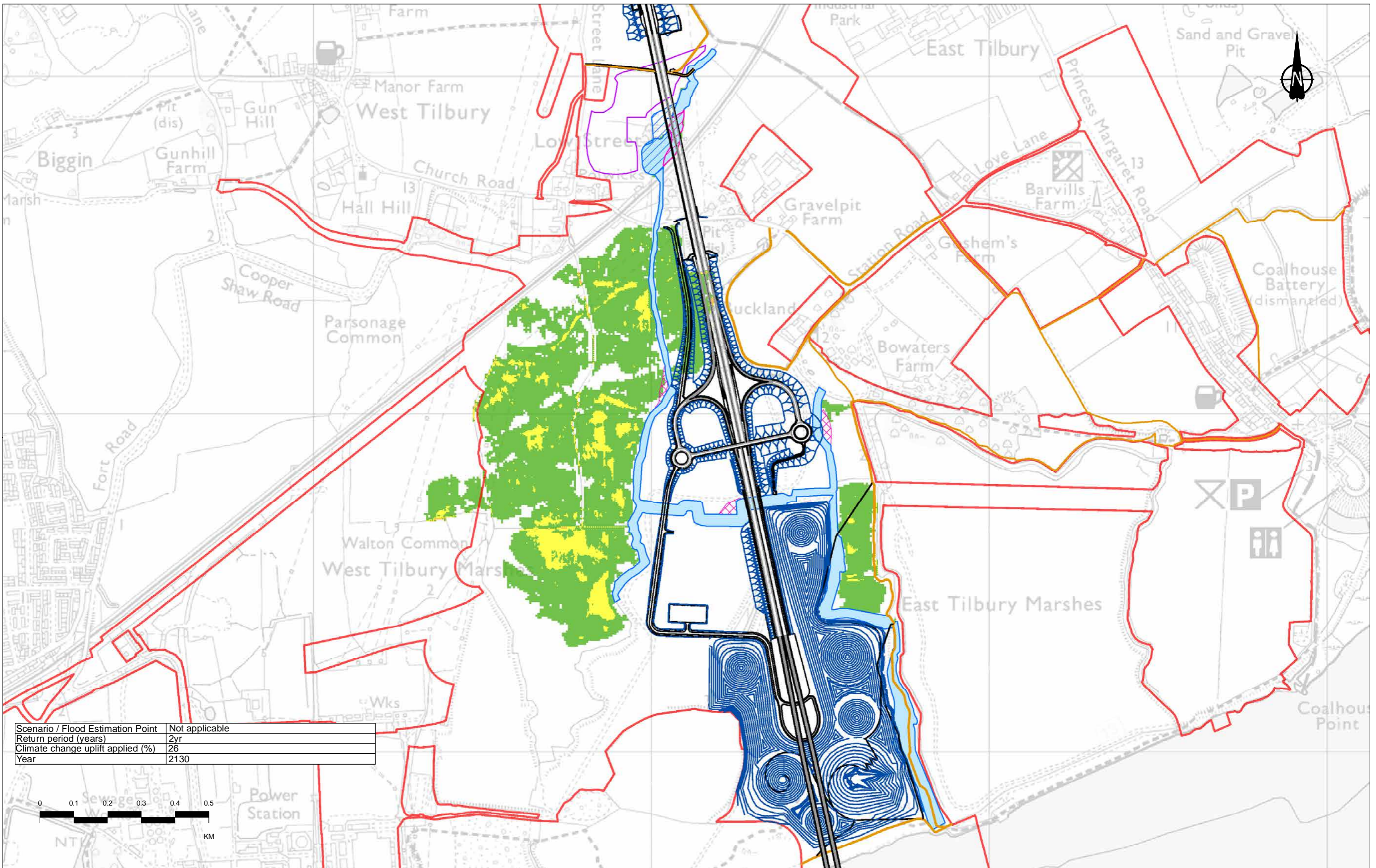
1D Channel	Alignment	Proposed LTC alignment	Maximum flood depth (m)
1D Channel diversions	Earthworks	0 - 0.25	0.25 - 0.5
Compensation storage area	NMU Routes	0.5 - 1.0	1.0 - 2.0
Existing reservoir infilled		> 2.0	
Revised reservoir footprint			
Order Limits			



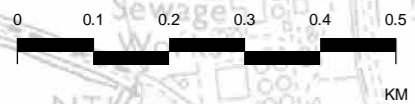
Client: national highways

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Pre-development Sheet 3 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00902				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	2yr
Climate change uplift applied (%)	26
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

Legend

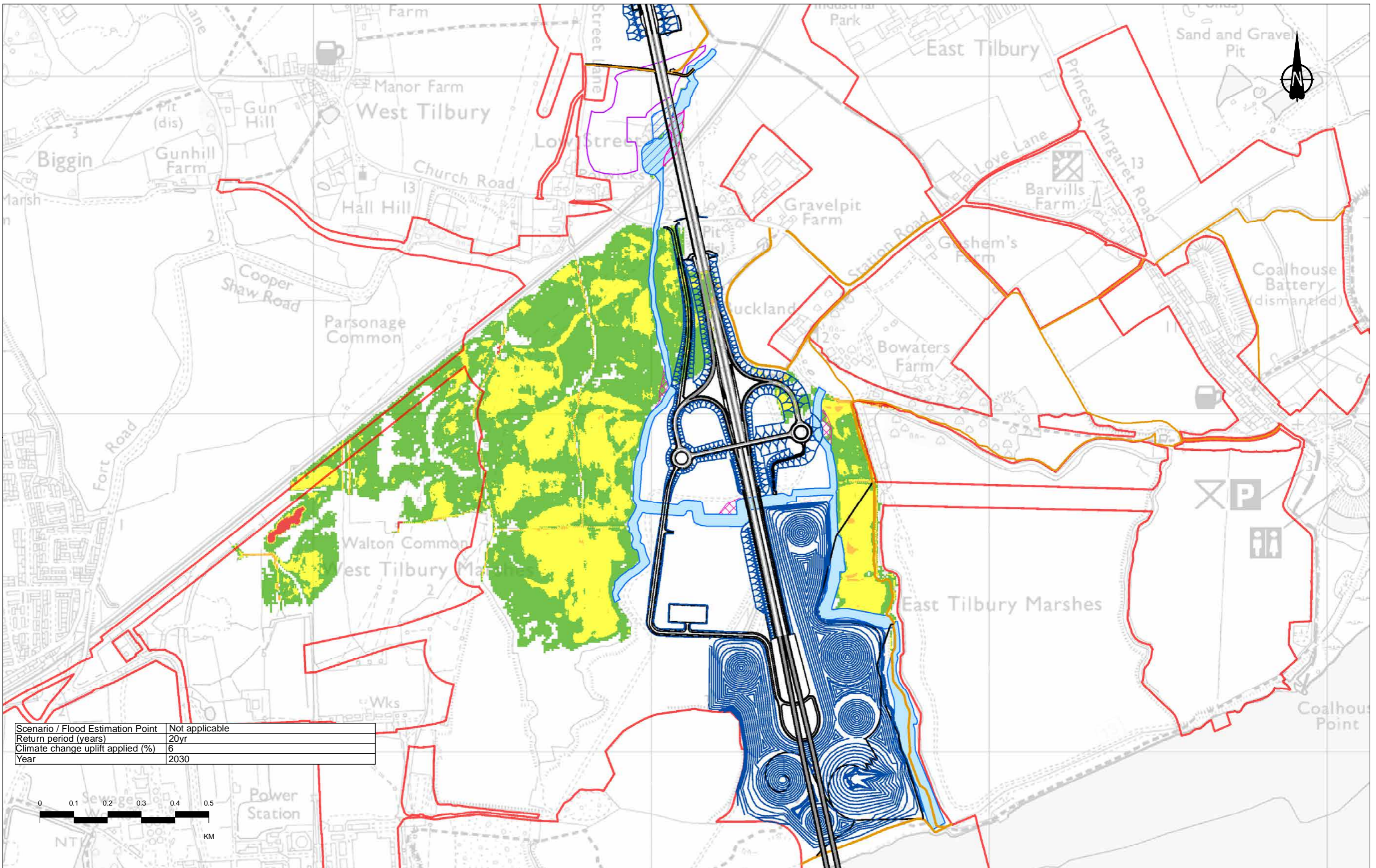
1D Channel	Alignment	Proposed LTC alignment	Maximum flood depth (m)
1D Channel diversions	Earthworks	0 - 0.25	0.25 - 0.5
Compensation storage area	NMU Routes	0.5 - 1.0	1.0 - 2.0
Existing reservoir infilled		> 2.0	
Revised reservoir footprint			
Order Limits			



Client: **national highways**

Project: **LOWER THAMES CROSSING**

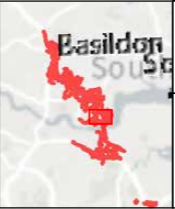
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Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Pre-development Sheet 4 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00903				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	20yr
Climate change uplift applied (%)	6
Year	2030

Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

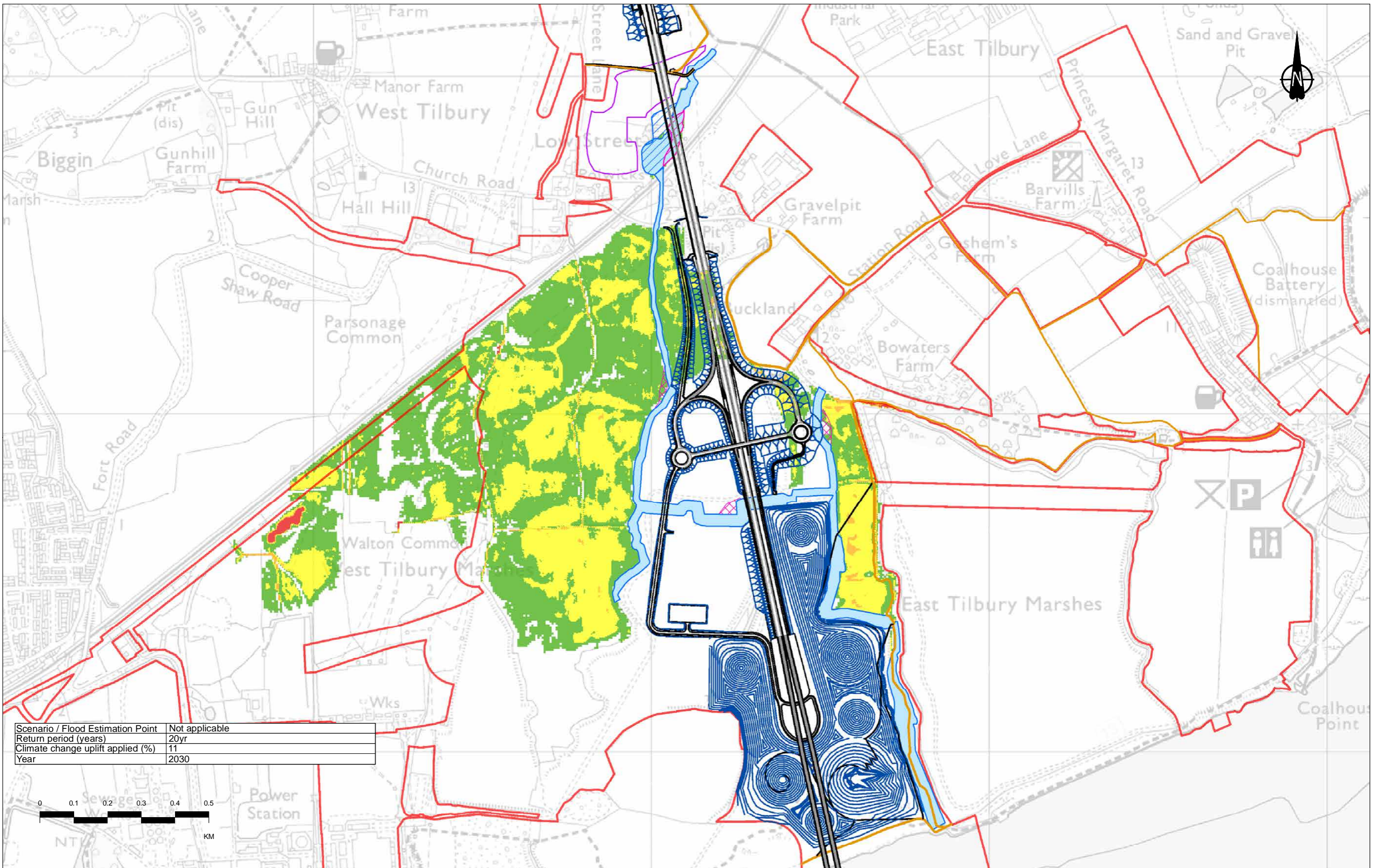
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	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



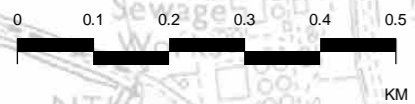
Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Pre-development Sheet 5 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00904				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	20yr
Climate change uplift applied (%)	11
Year	2030



P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

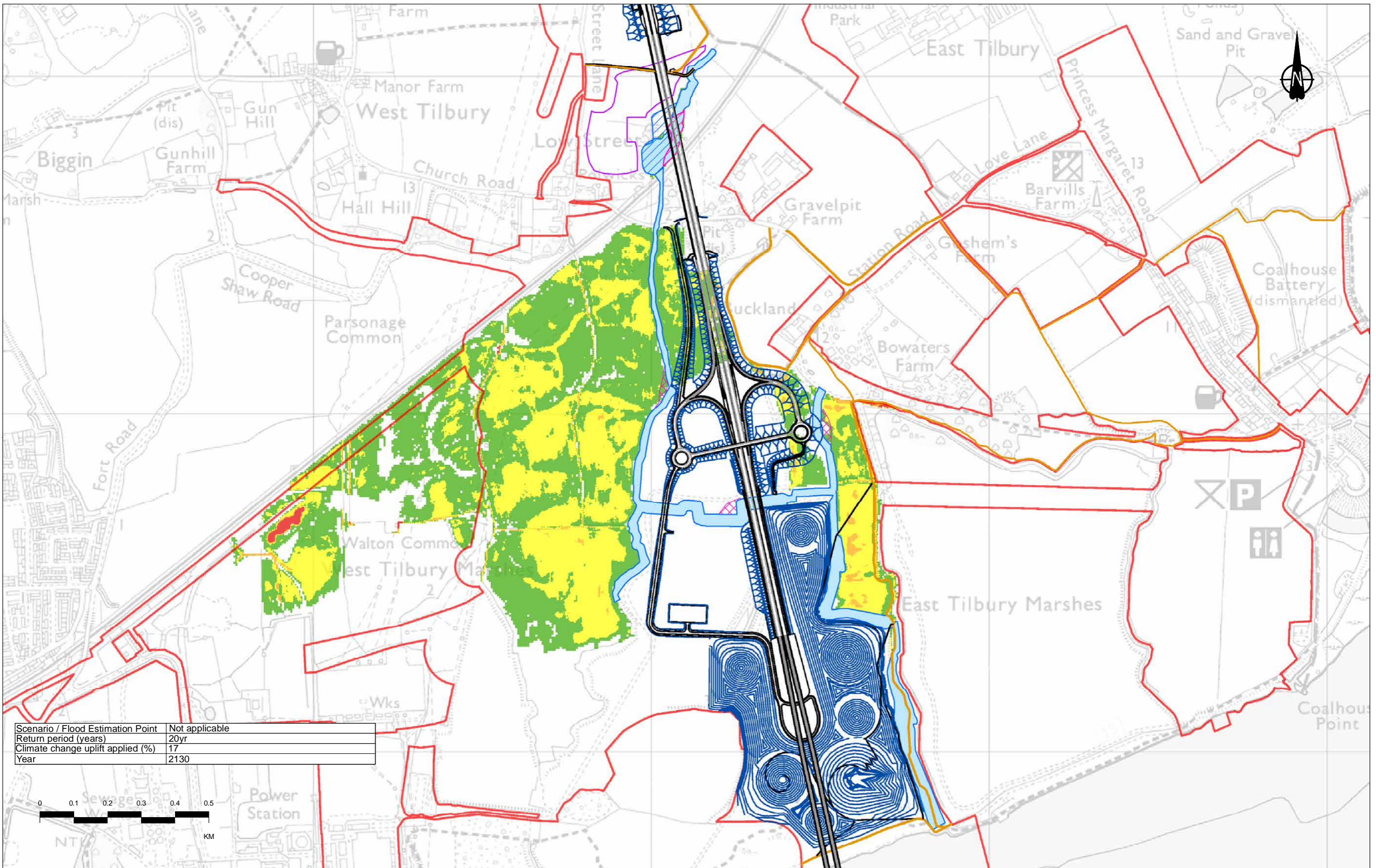
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



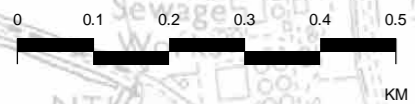
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Pre-development Sheet 6 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00905				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	20yr
Climate change uplift applied (%)	17
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

Legend

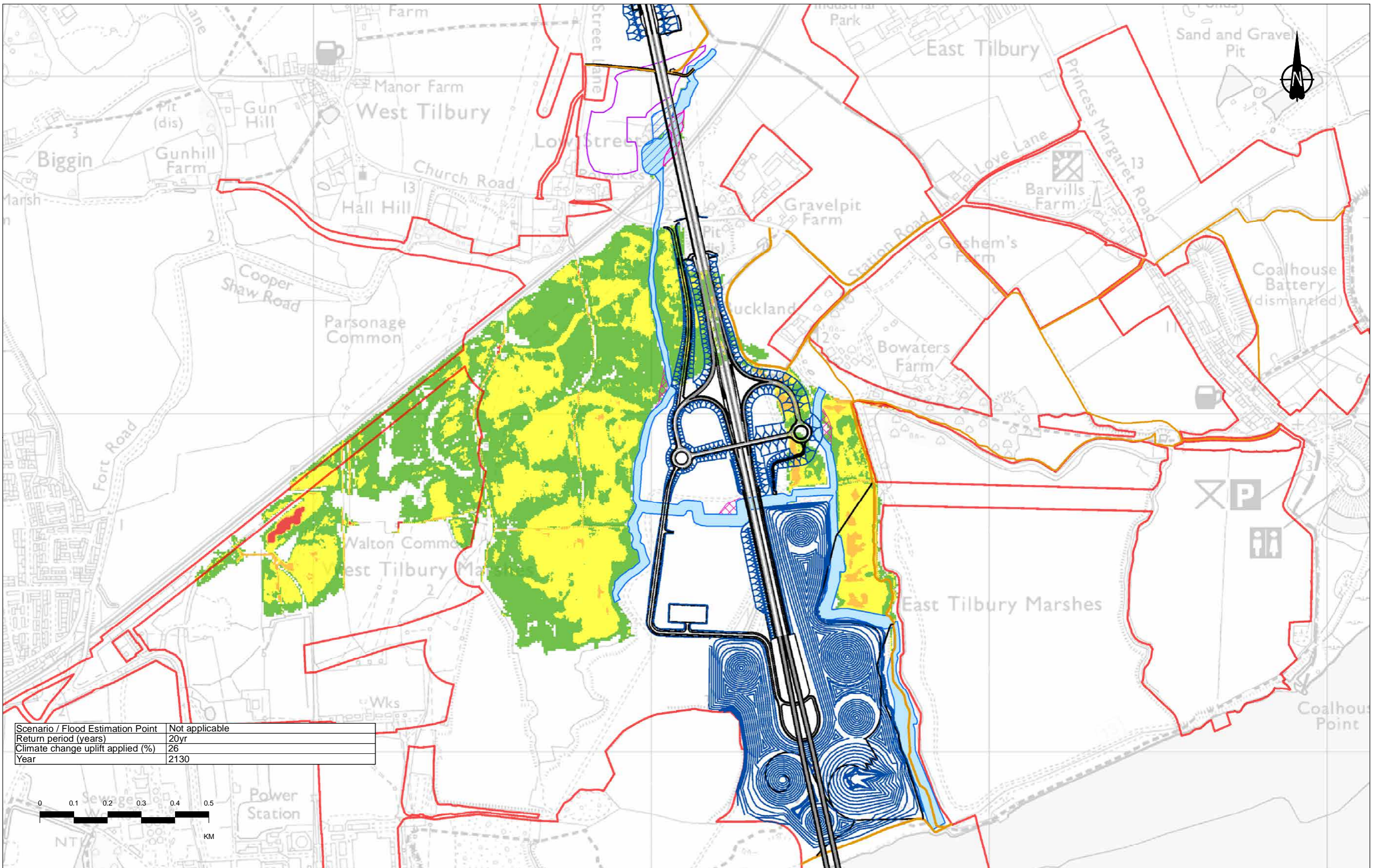
1D Channel	Proposed LTC alignment	Maximum flood depth (m)
1D Channel diversions	Earthworks	0 - 0.25
Compensation storage area	NMU Routes	0.25 - 0.5
Existing reservoir infilled		0.5 - 1.0
Revised reservoir footprint		1.0 - 2.0
Order Limits		> 2.0

Client: national highways

Project: Basildon South

LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
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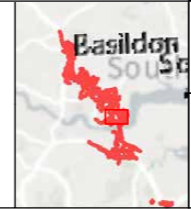


Scenario / Flood Estimation Point	Not applicable
Return period (years)	20yr
Climate change uplift applied (%)	26
Year	2130

Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

Legend

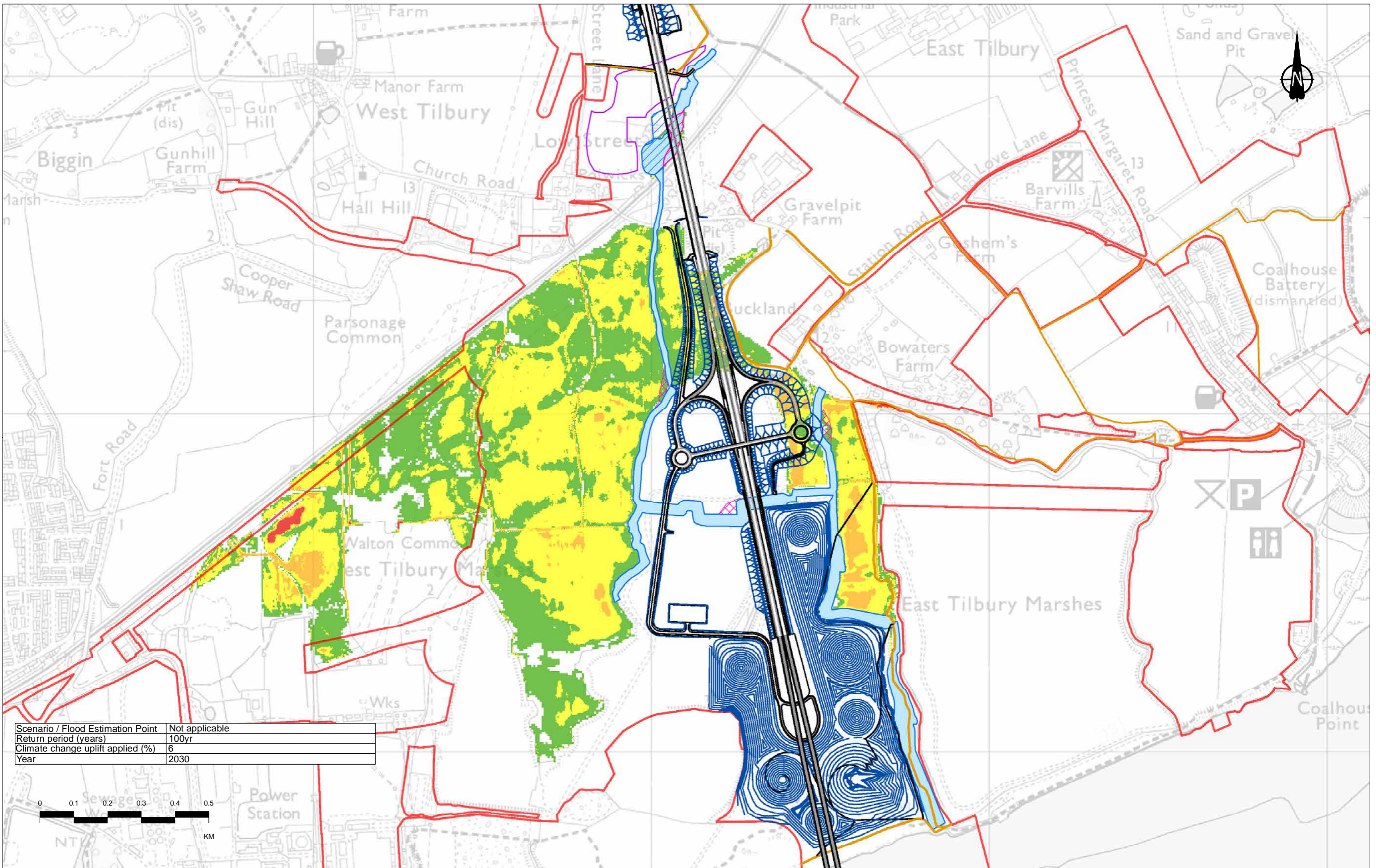
1D Channel	Alignment	Proposed LTC alignment Maximum flood depth (m)	0 - 0.25
1D Channel diversions	Earthworks		0.25 - 0.5
Compensation storage area	NMU Routes		0.5 - 1.0
Existing reservoir infilled			1.0 - 2.0
Revised reservoir footprint			> 2.0
Order Limits			



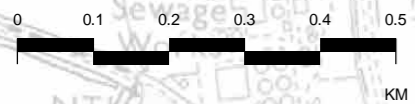
Client: **national highways**

Project: **LOWER THAMES CROSSING**

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Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Pre-development Sheet 8 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00907				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	100yr
Climate change uplift applied (%)	6
Year	2030



P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

Legend

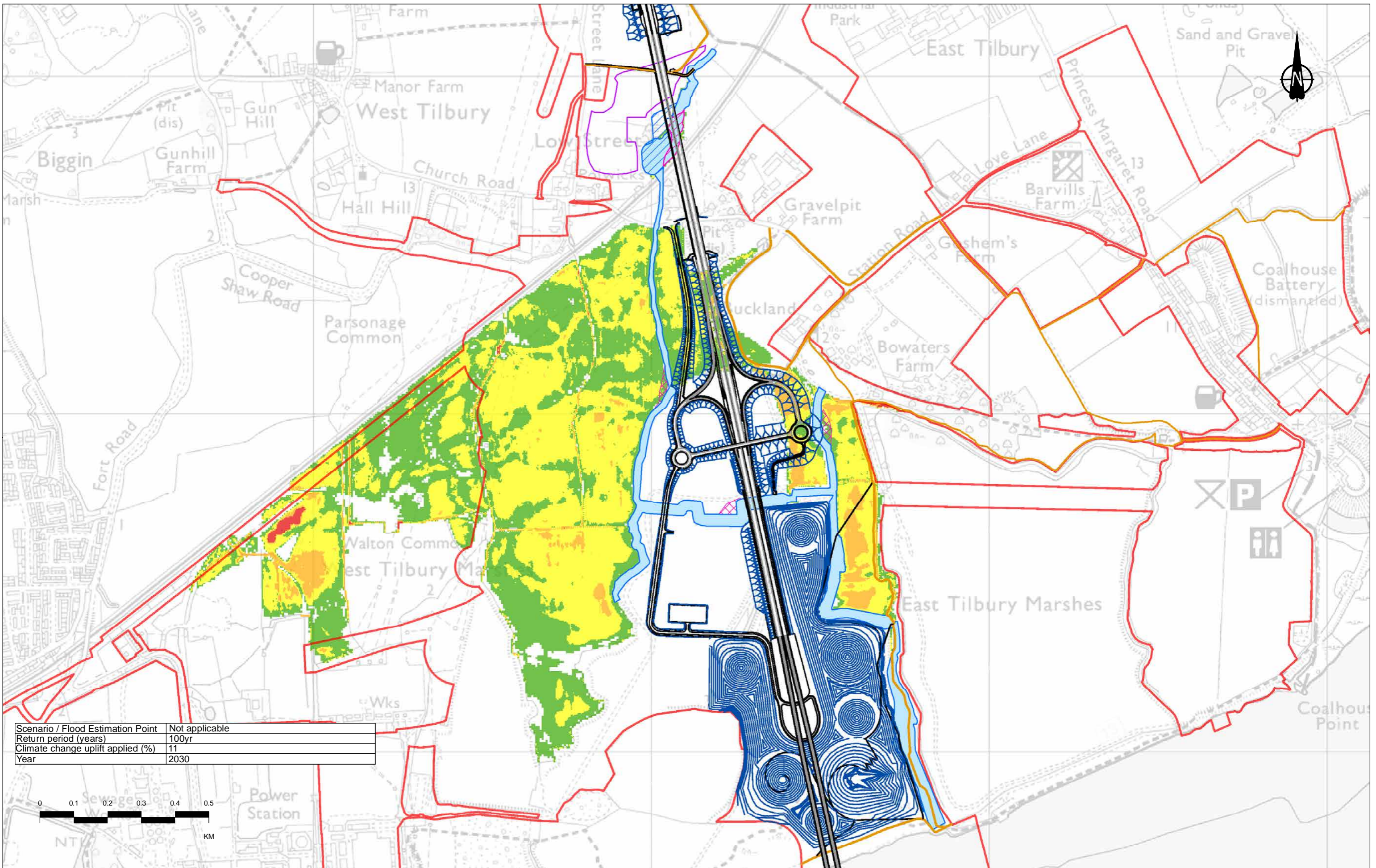
1D Channel	Proposed LTC alignment	Maximum flood depth (m)
1D Channel diversions	Earthworks	0 - 0.25
Compensation storage area	NMU Routes	0.25 - 0.5
Existing reservoir infilled		0.5 - 1.0
Revised reservoir footprint		1.0 - 2.0
Order Limits		> 2.0



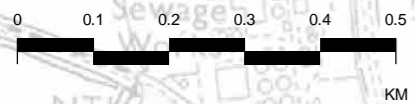
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Pre-development Sheet 9 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00908				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	100yr
Climate change uplift applied (%)	11
Year	2030



P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

Legend

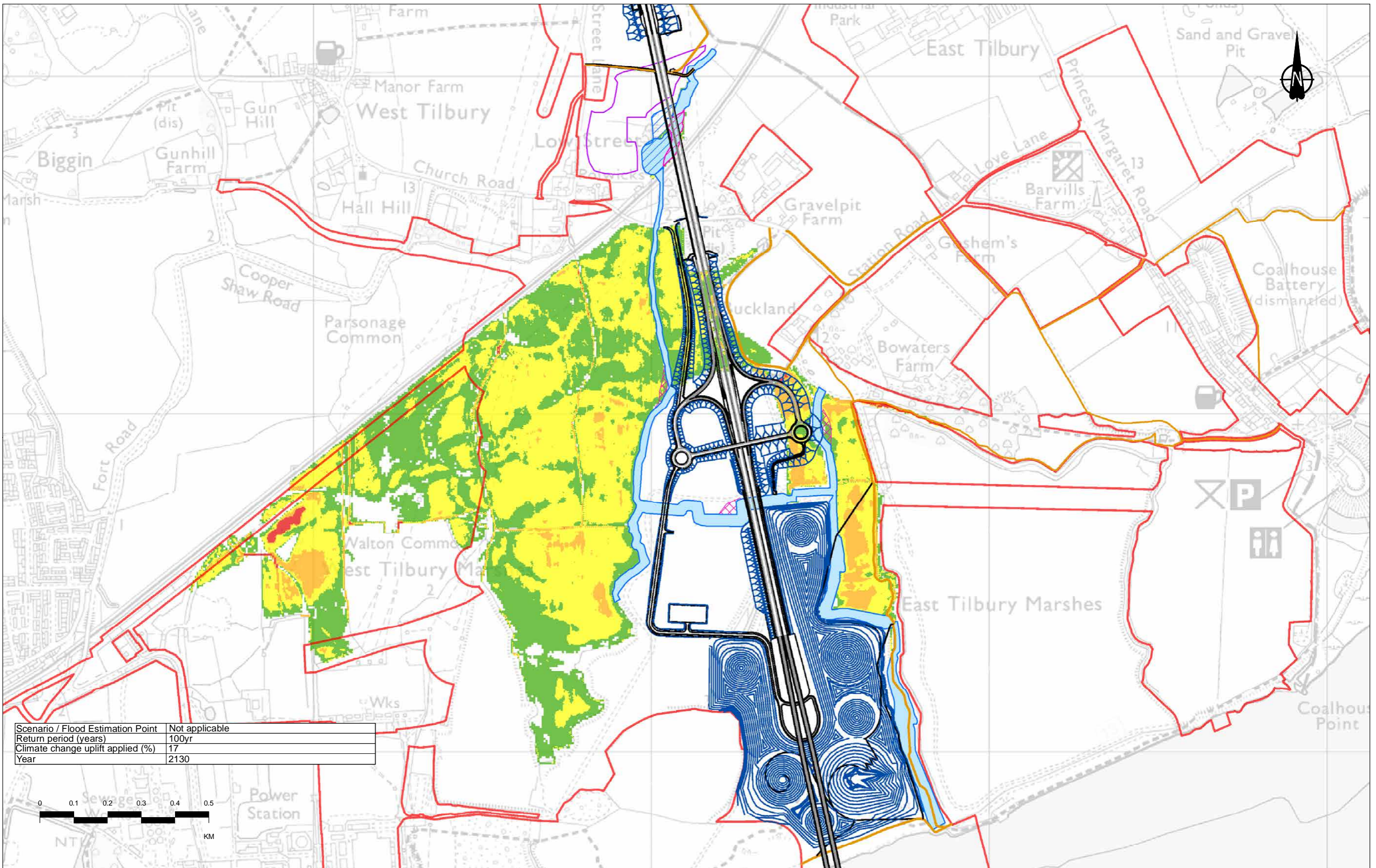
1D Channel	Proposed LTC alignment	Maximum flood depth (m)
1D Channel diversions	Earthworks	0 - 0.25
Compensation storage area	NMU Routes	0.25 - 0.5
Existing reservoir infilled		0.5 - 1.0
Revised reservoir footprint		1.0 - 2.0
Order Limits		> 2.0



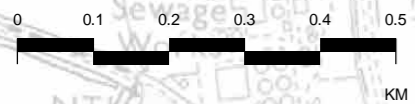
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Pre-development Sheet 10 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00909				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	100yr
Climate change uplift applied (%)	17
Year	2130



P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

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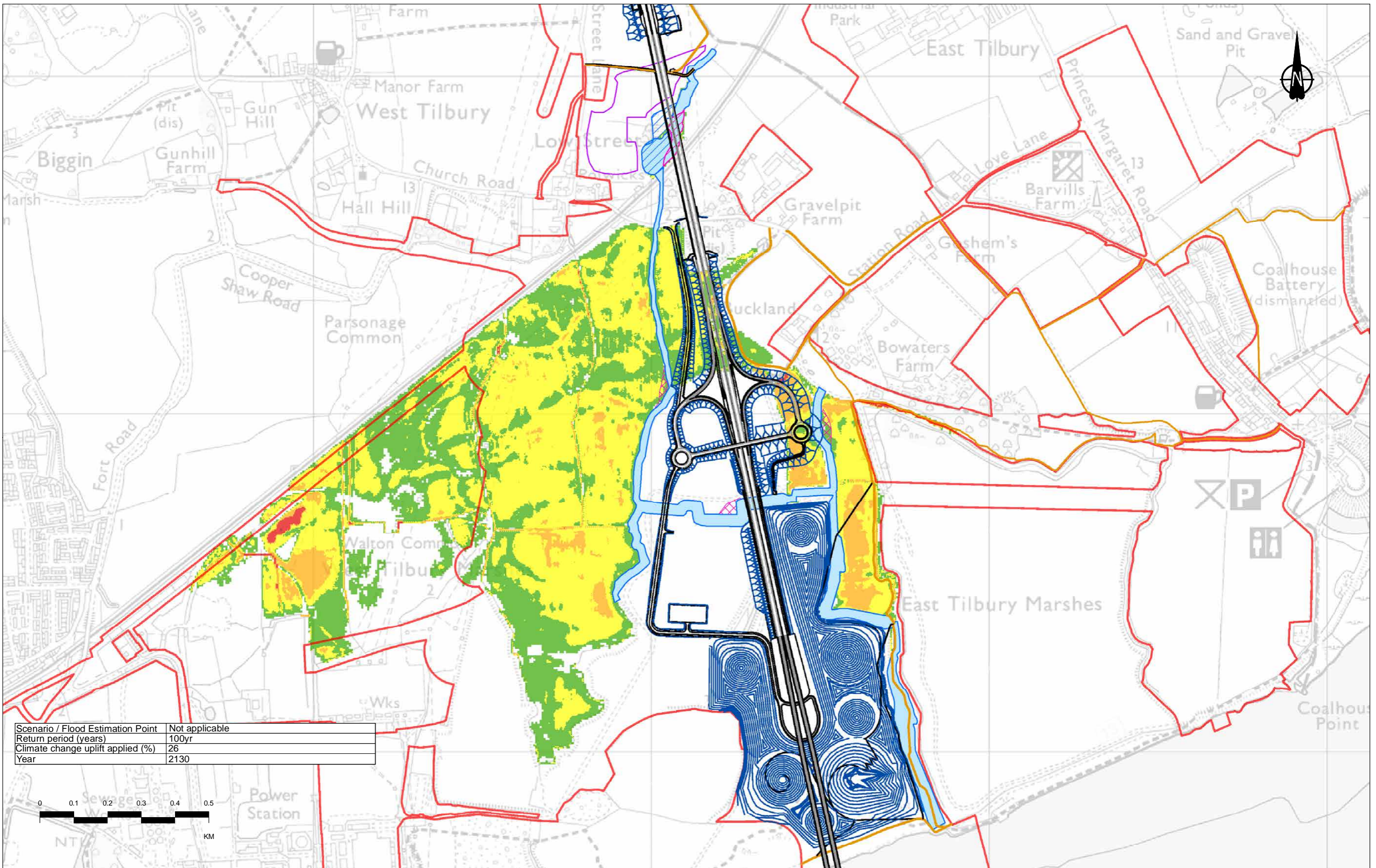
1D Channel	Proposed LTC alignment	Maximum flood depth (m)
1D Channel diversions	Earthworks	0 - 0.25
Compensation storage area	NMU Routes	0.25 - 0.5
Existing reservoir infilled		0.5 - 1.0
Revised reservoir footprint		1.0 - 2.0
Order Limits		> 2.0



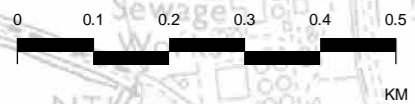
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Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
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Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00910				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	100yr
Climate change uplift applied (%)	26
Year	2130



P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

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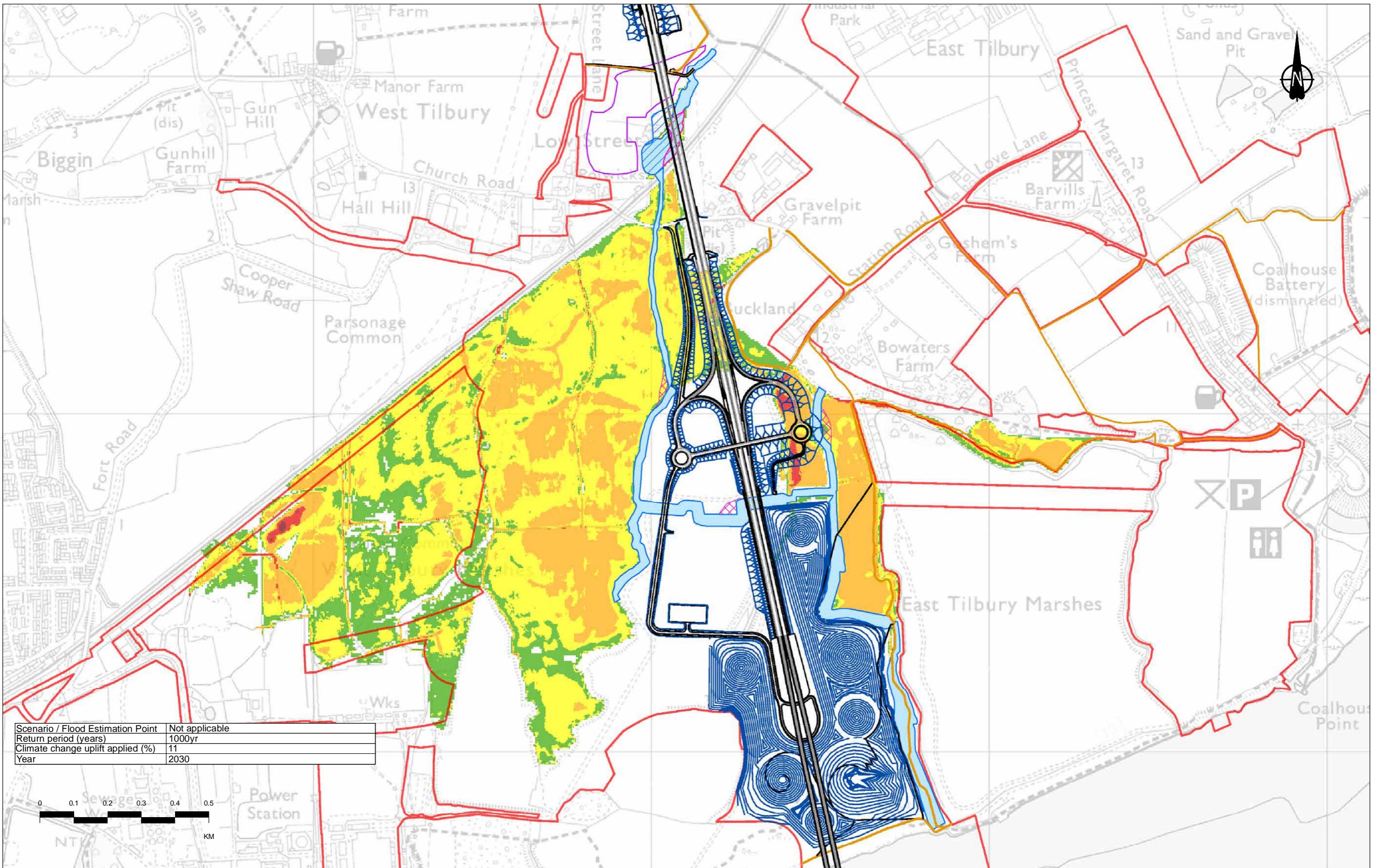
1D Channel	Proposed LTC alignment	Maximum flood depth (m)
1D Channel diversions	Earthworks	0 - 0.25
Compensation storage area	NMU Routes	0.25 - 0.5
Existing reservoir infilled		0.5 - 1.0
Revised reservoir footprint		1.0 - 2.0
Order Limits		> 2.0



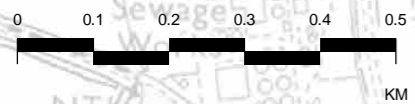
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Pre-development Sheet 12 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00911				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	1000yr
Climate change uplift applied (%)	11
Year	2030



P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

Legend

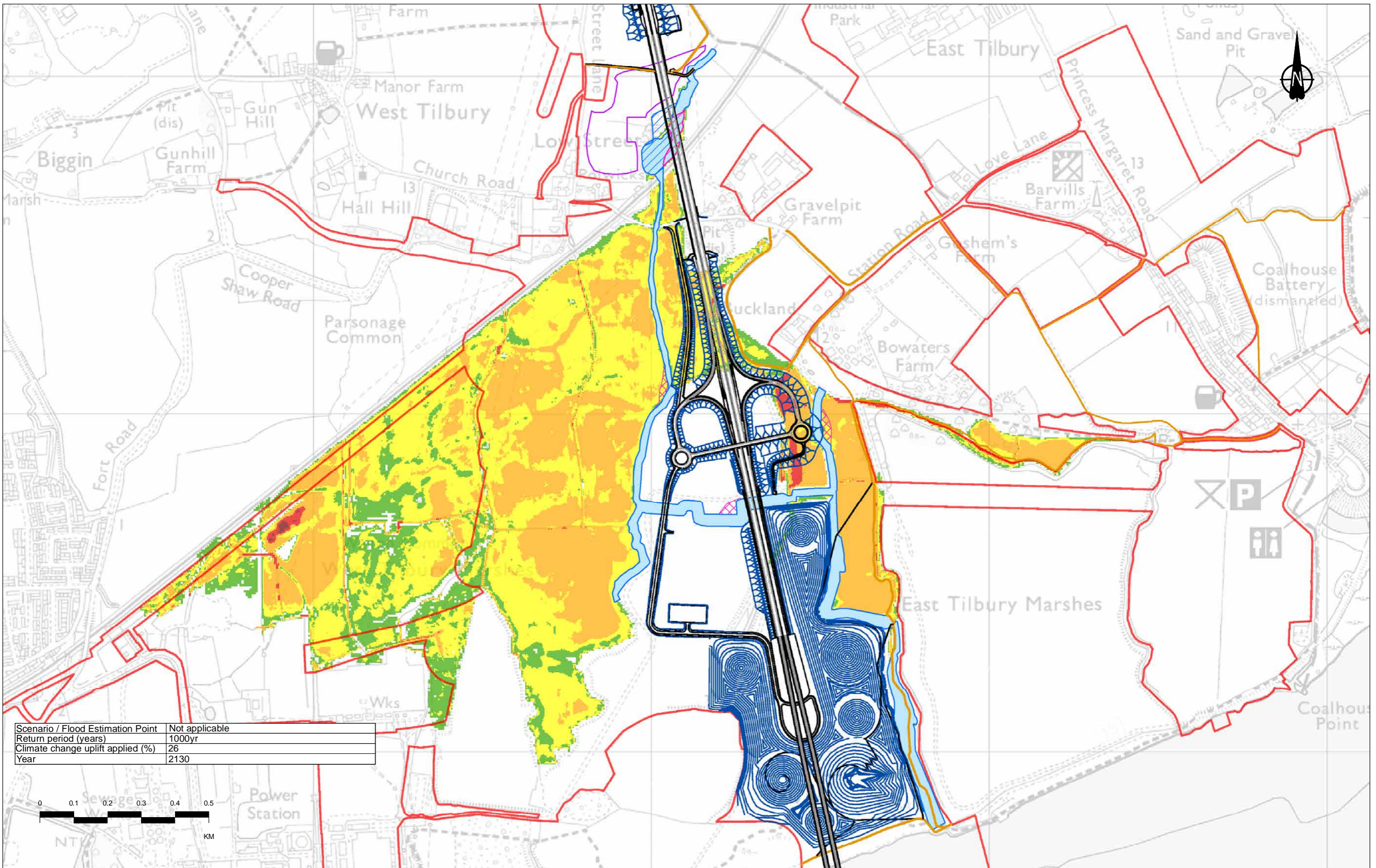
1D Channel	Proposed LTC alignment	Maximum flood depth (m)
1D Channel diversions	Earthworks	0 - 0.25
Compensation storage area	NMU Routes	0.25 - 0.5
Existing reservoir infilled		0.5 - 1.0
Revised reservoir footprint		1.0 - 2.0
Order Limits		> 2.0



Client: **national highways**

Project: **LOWER THAMES CROSSING**

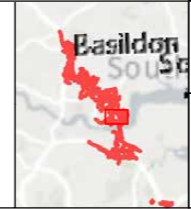
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Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Pre-development Sheet 13 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00912				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	1000yr
Climate change uplift applied (%)	26
Year	2130

P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

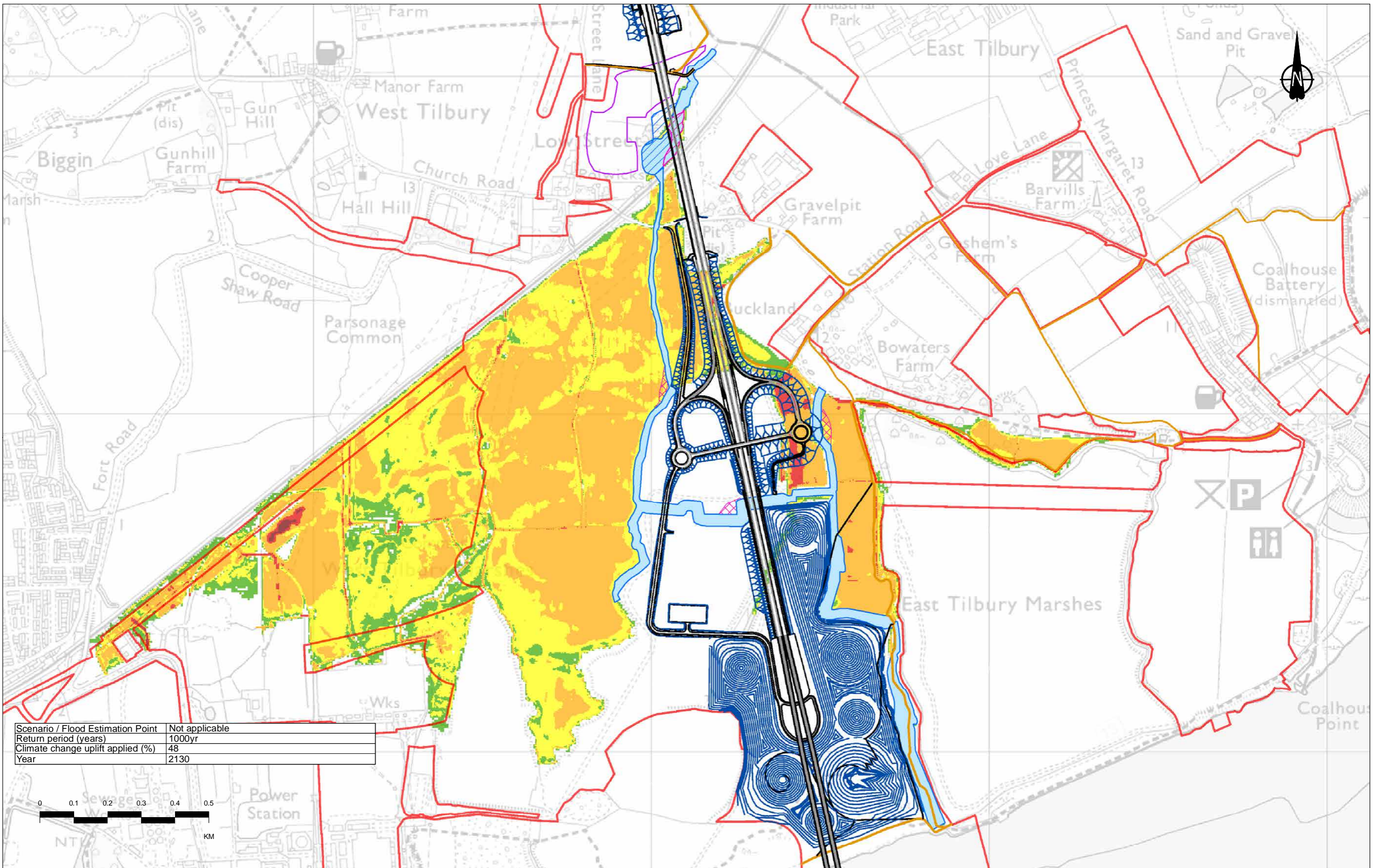
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



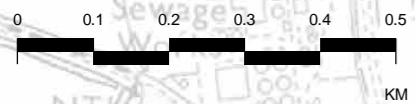
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Pre-development Sheet 14 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00913				

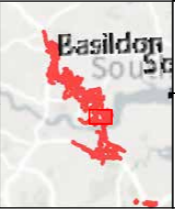


Scenario / Flood Estimation Point	Not applicable
Return period (years)	1000yr
Climate change uplift applied (%)	48
Year	2130



P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

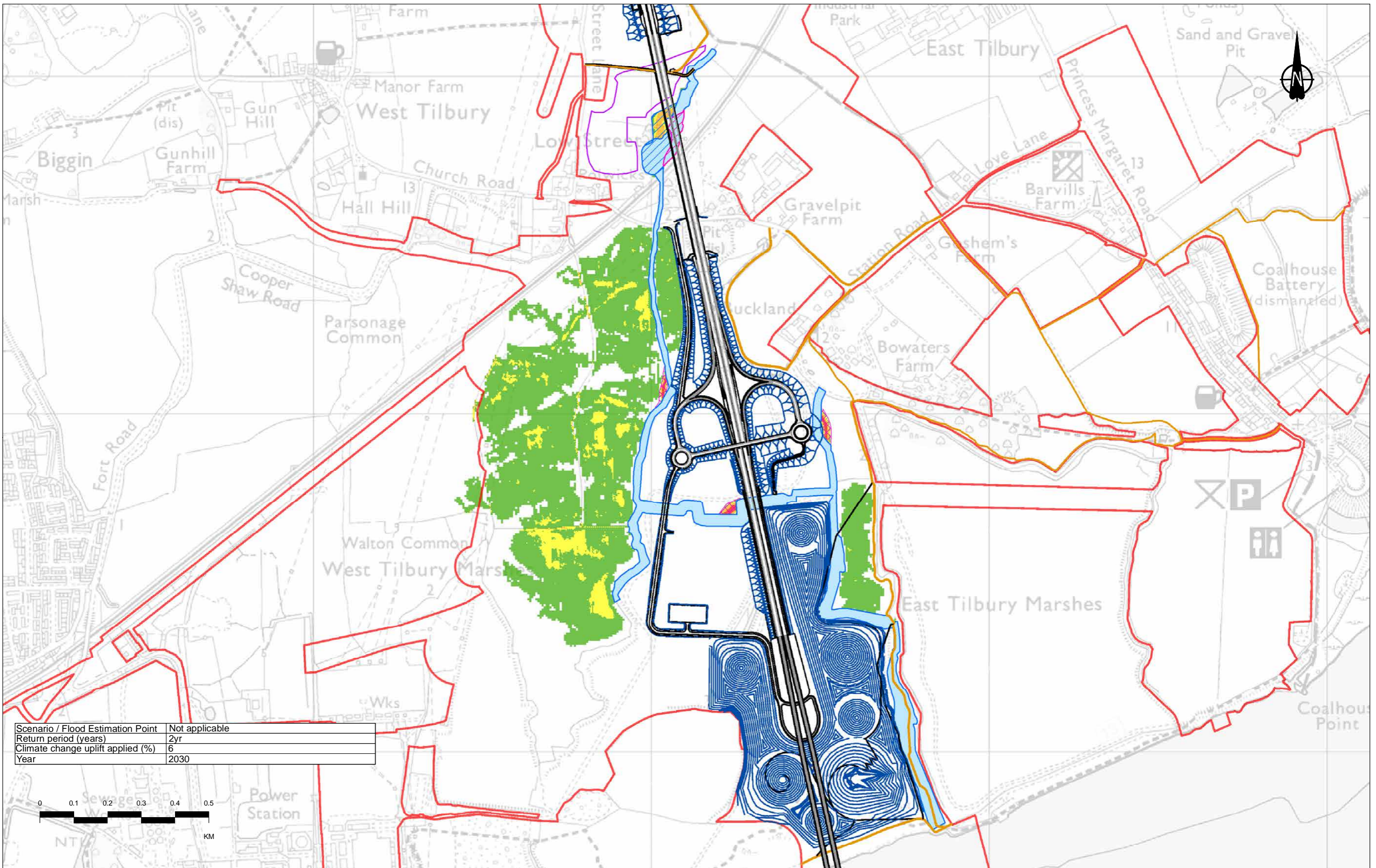
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



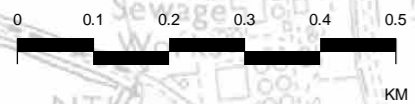
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Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Pre-development Sheet 15 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00914				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	2yr
Climate change uplift applied (%)	6
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

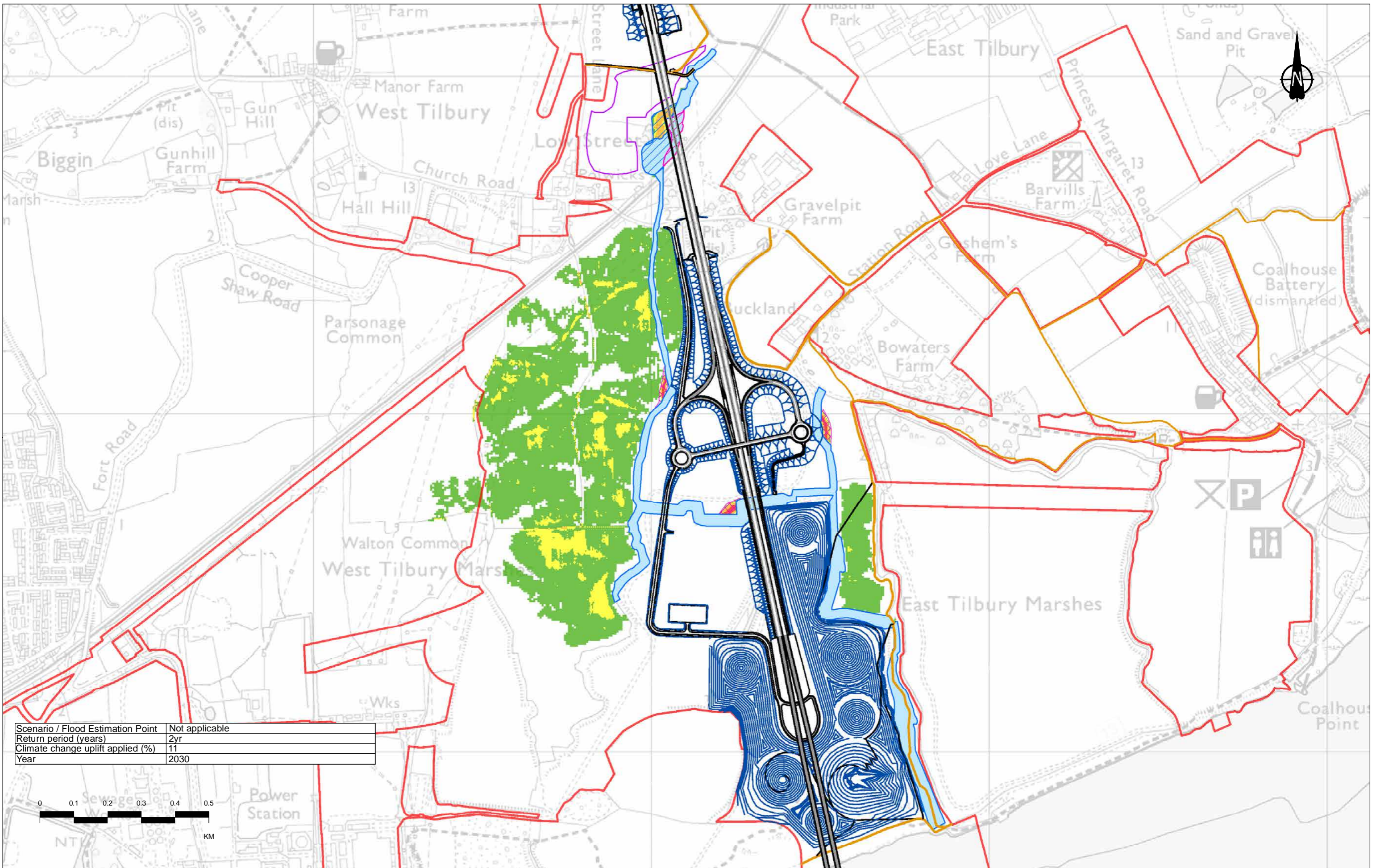
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



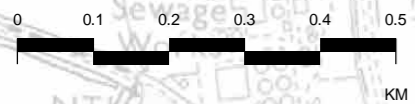
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (without mitigation) Sheet 1 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00915				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	2yr
Climate change uplift applied (%)	11
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

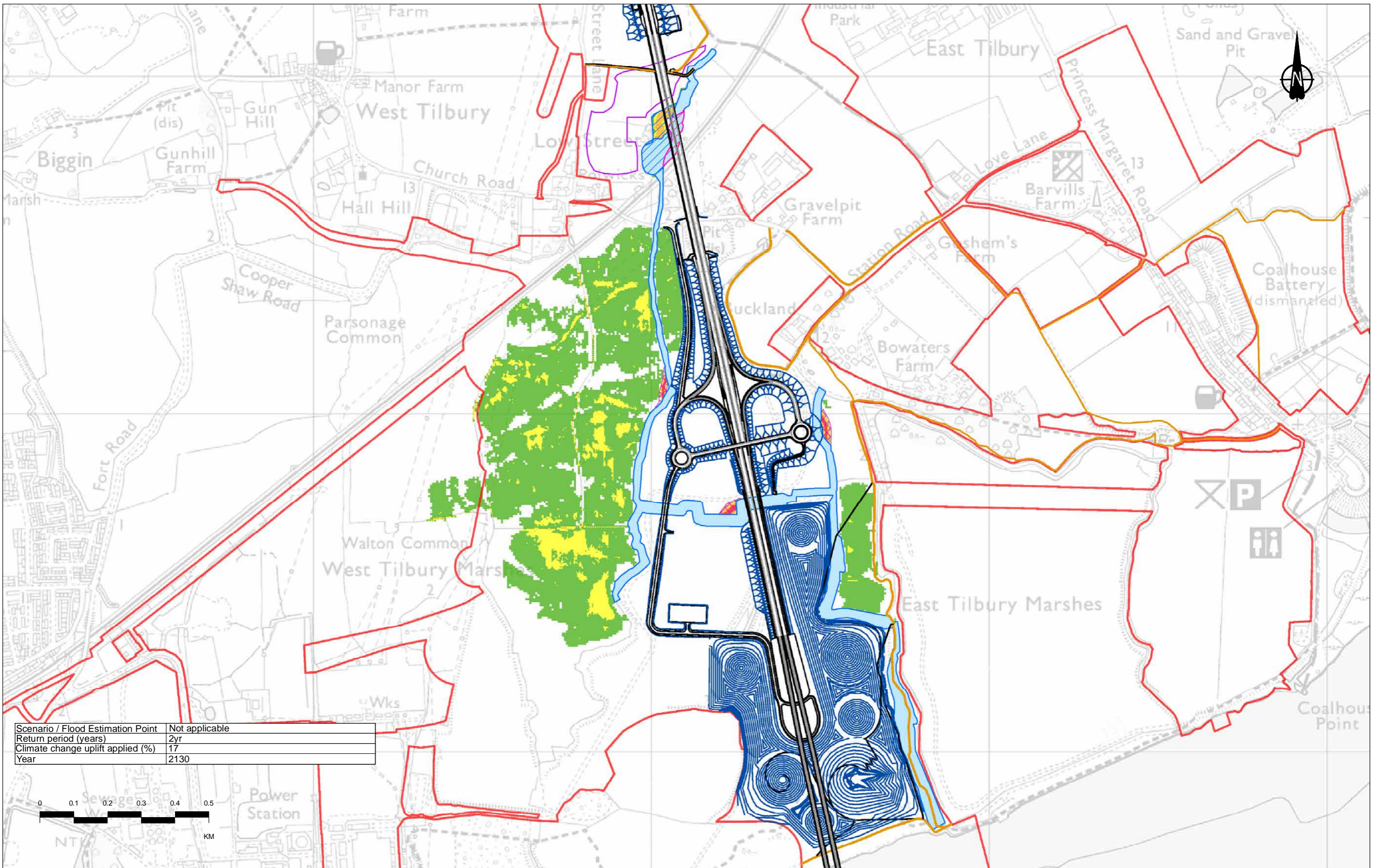
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



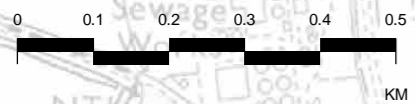
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (without mitigation) Sheet 2 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00916				



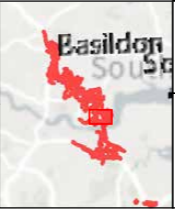
Scenario / Flood Estimation Point	Not applicable
Return period (years)	2yr
Climate change uplift applied (%)	17
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

Legend

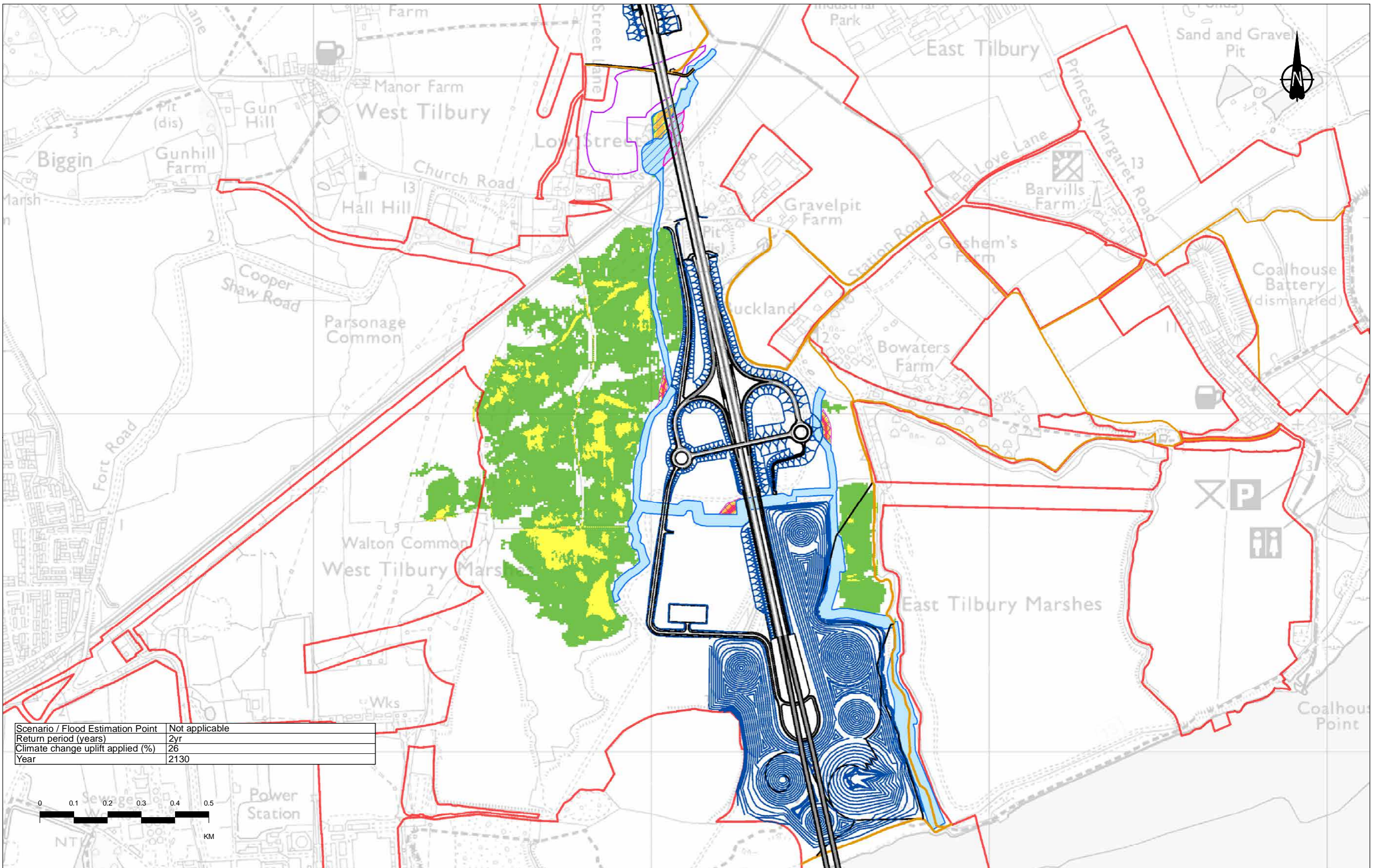
1D Channel	Alignment	Proposed LTC alignment	Maximum flood depth (m)
1D Channel diversions	Earthworks	0 - 0.25	0.25 - 0.5
Compensation storage area	NMU Routes	0.5 - 1.0	1.0 - 2.0
Existing reservoir infilled		> 2.0	
Revised reservoir footprint			
Order Limits			



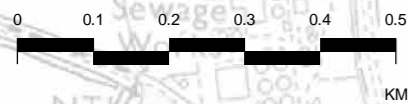
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (without mitigation) Sheet 3 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00917				

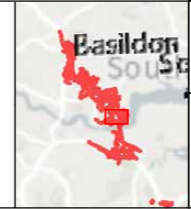


Scenario / Flood Estimation Point	Not applicable
Return period (years)	2yr
Climate change uplift applied (%)	26
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

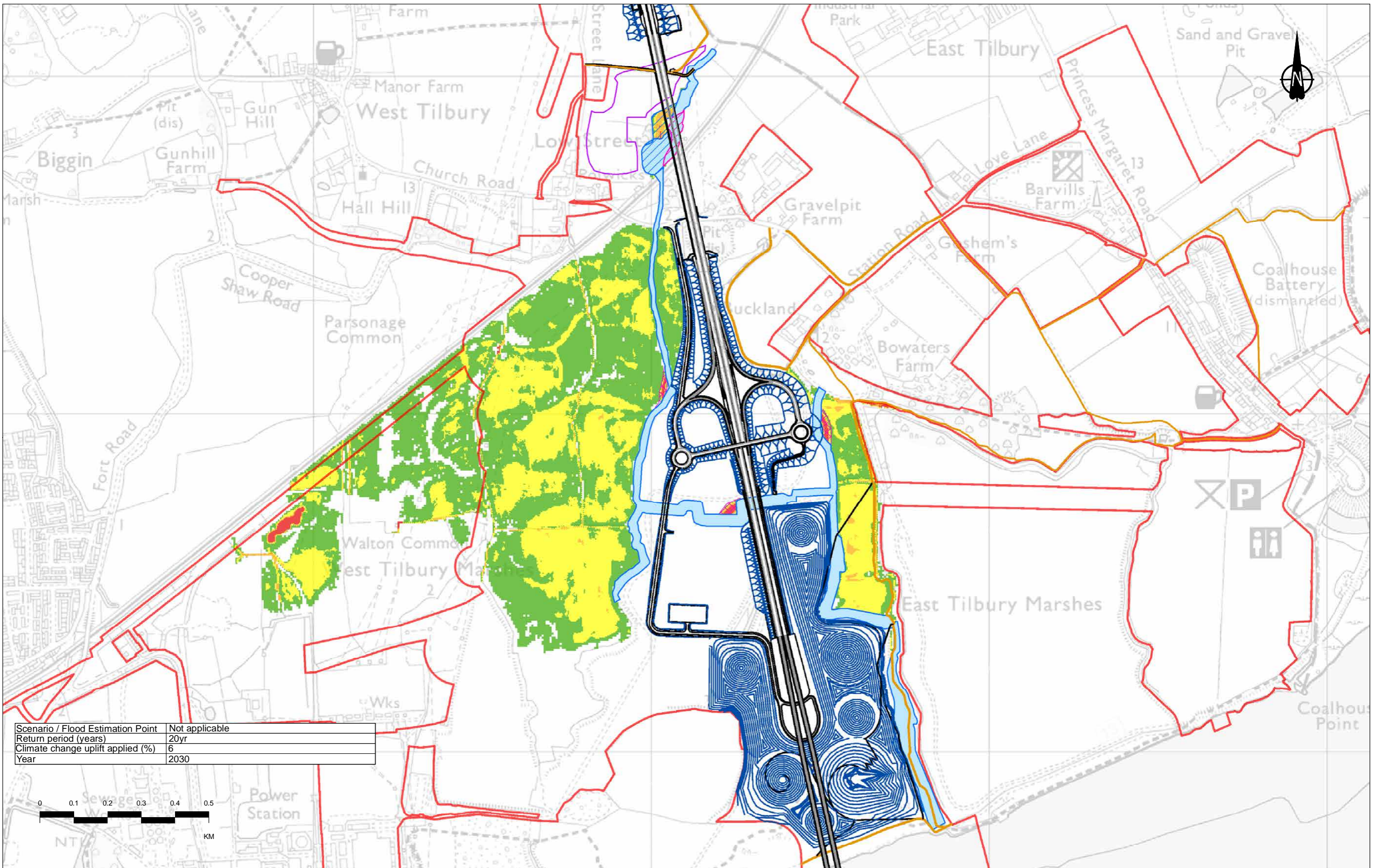
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



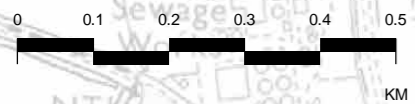
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (without mitigation) Sheet 4 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00918				

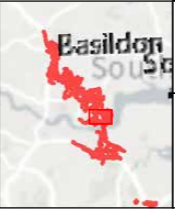


Scenario / Flood Estimation Point	Not applicable
Return period (years)	20yr
Climate change uplift applied (%)	6
Year	2030



P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

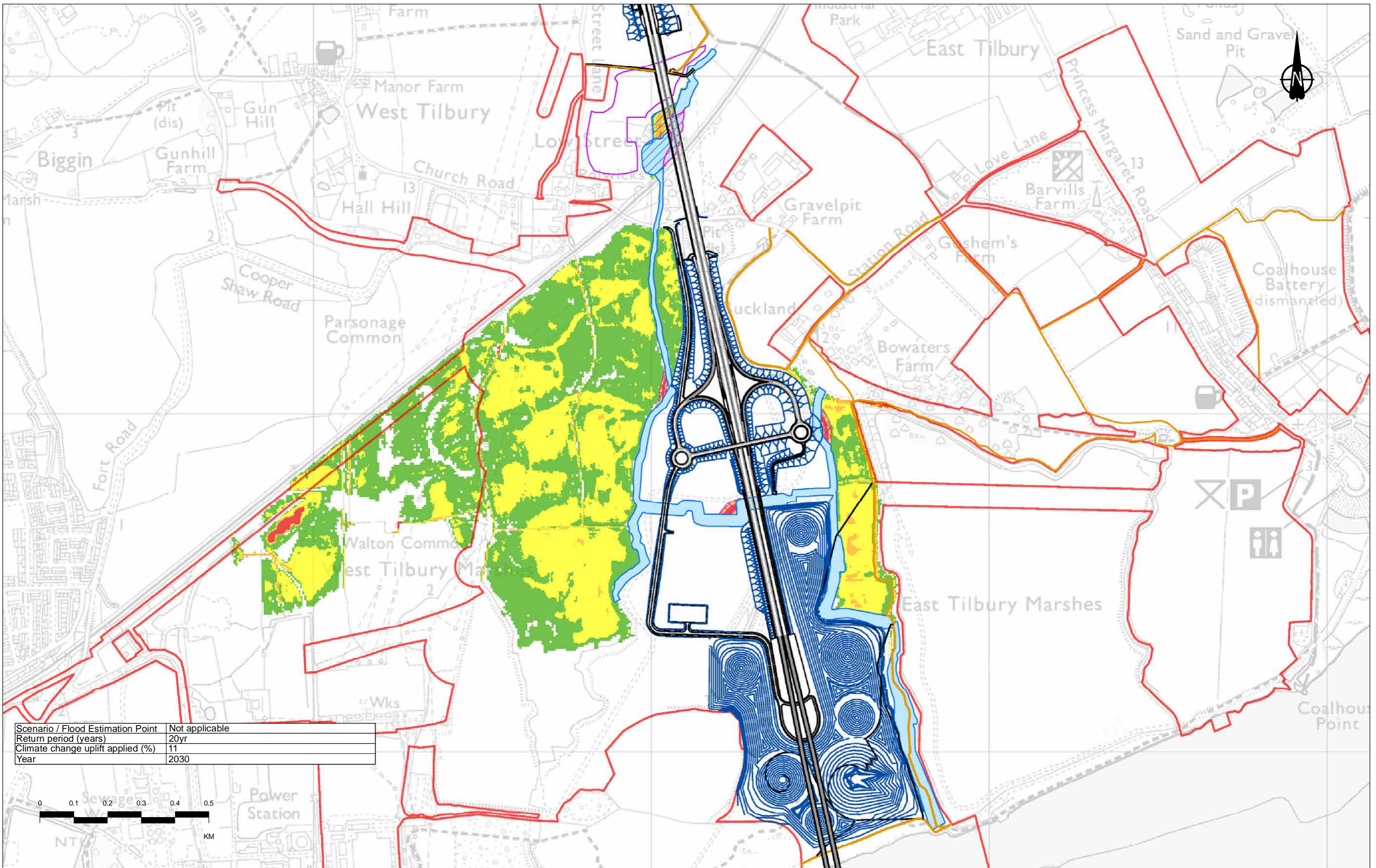
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (without mitigation) Sheet 5 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00919				

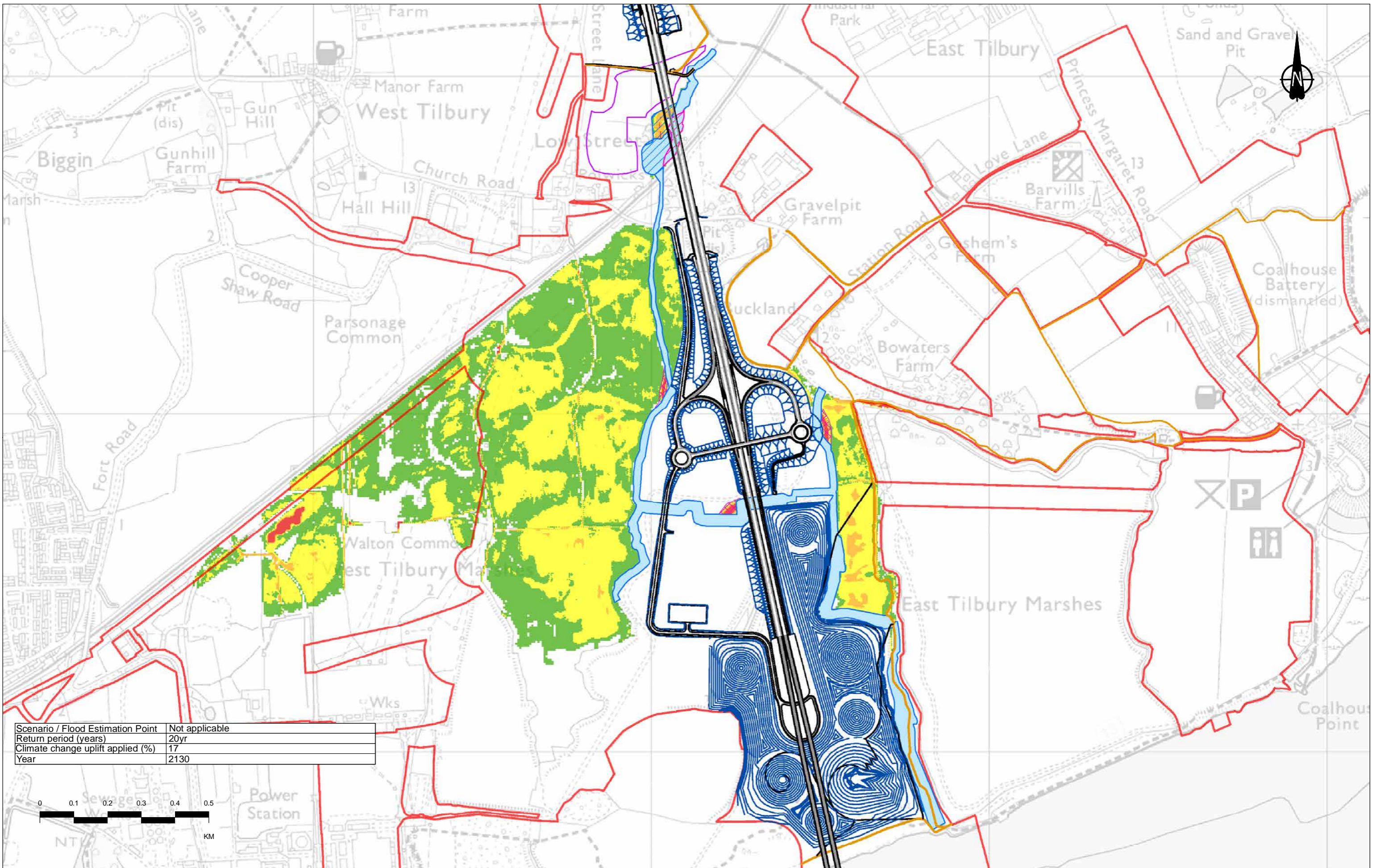


Scenario / Flood Estimation Point	Not applicable
Return period (years)	20yr
Climate change uplift applied (%)	11
Year	2030

Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				

		Client	DCO Application	Original Size	A3	Revision	P01
		Project	LOWER THAMES CROSSING	Application Document Number	TR010032/APP/6.3	Scale	1:10,000
		Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (without mitigation) Sheet 6 of 15				
		Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00920				

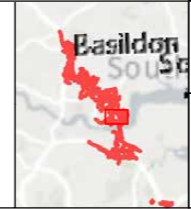


Scenario / Flood Estimation Point	Not applicable
Return period (years)	20yr
Climate change uplift applied (%)	17
Year	2130

Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

Legend

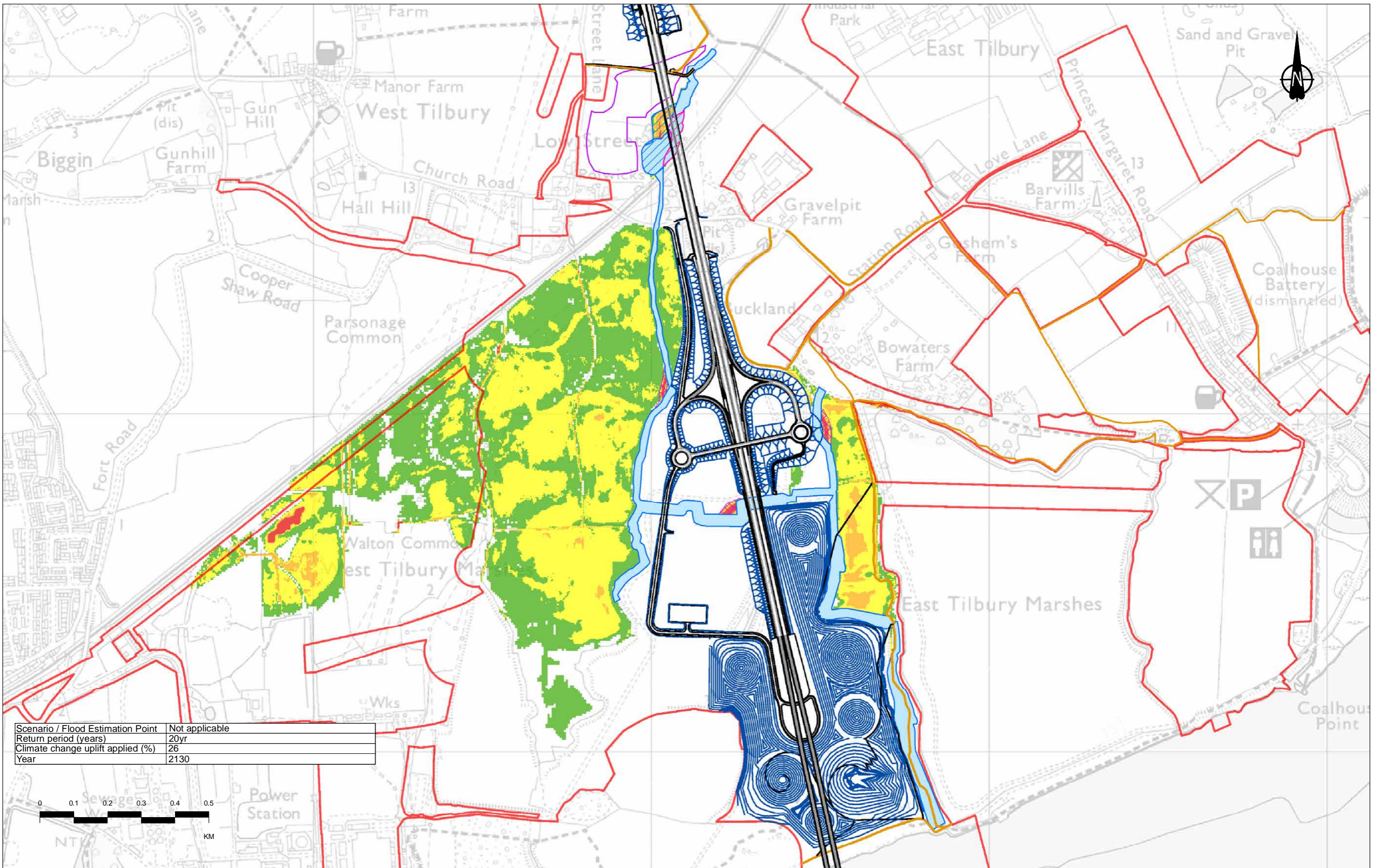
1D Channel	Alignment	Proposed LTC alignment	Maximum flood depth (m)
1D Channel diversions	Earthworks	NMU Routes	0 - 0.25
Compensation storage area	Existing reservoir infilled	Revised reservoir footprint	0.25 - 0.5
Order Limits			0.5 - 1.0
			1.0 - 2.0
			> 2.0



Client: national highways

Project: **LOWER THAMES CROSSING**

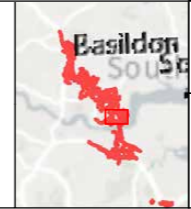
Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (without mitigation) Sheet 7 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00921				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	20yr
Climate change uplift applied (%)	26
Year	2130

P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

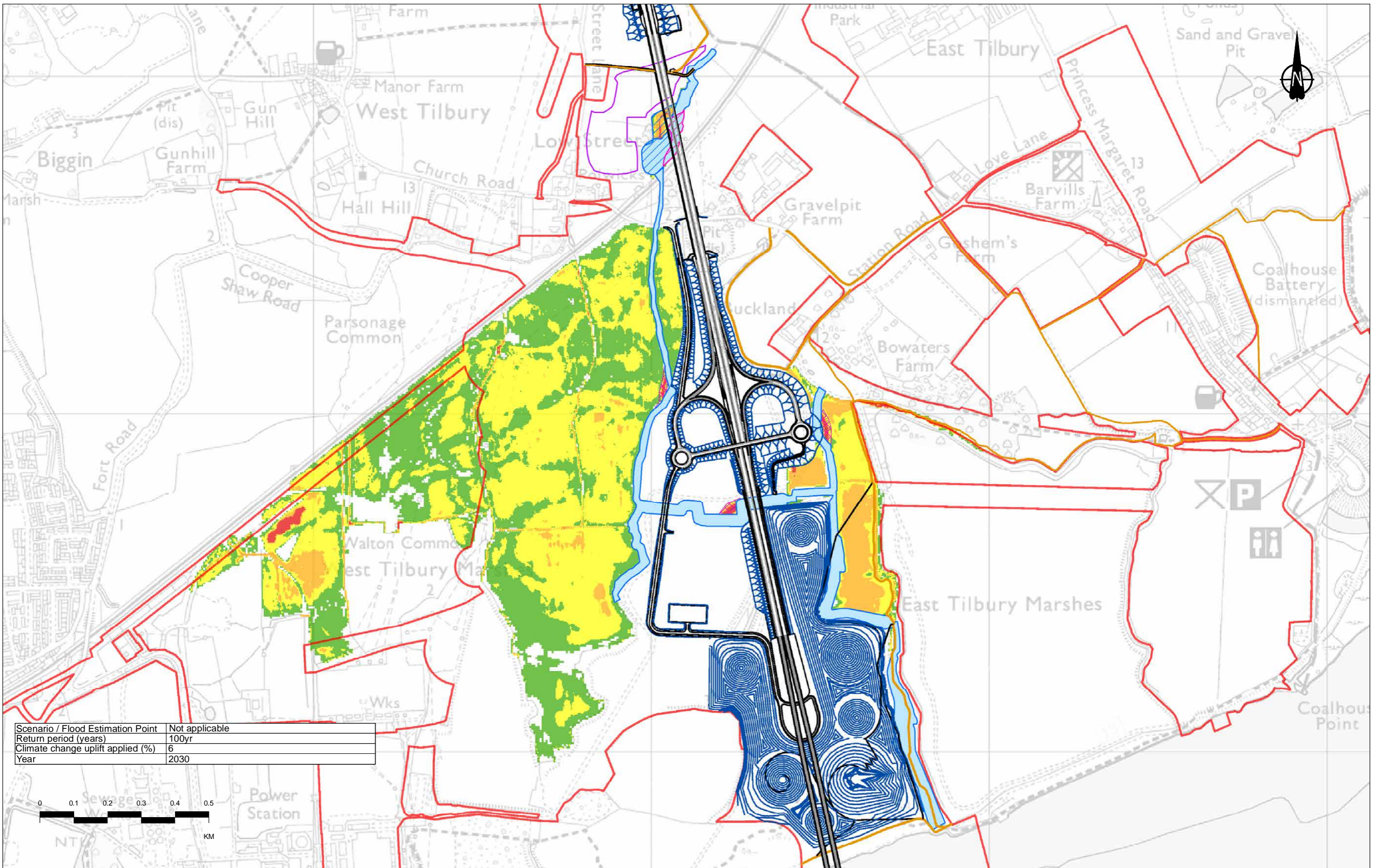
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



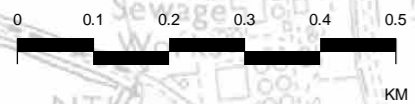
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (without mitigation) Sheet 8 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00922				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	100yr
Climate change uplift applied (%)	6
Year	2030



P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

Legend

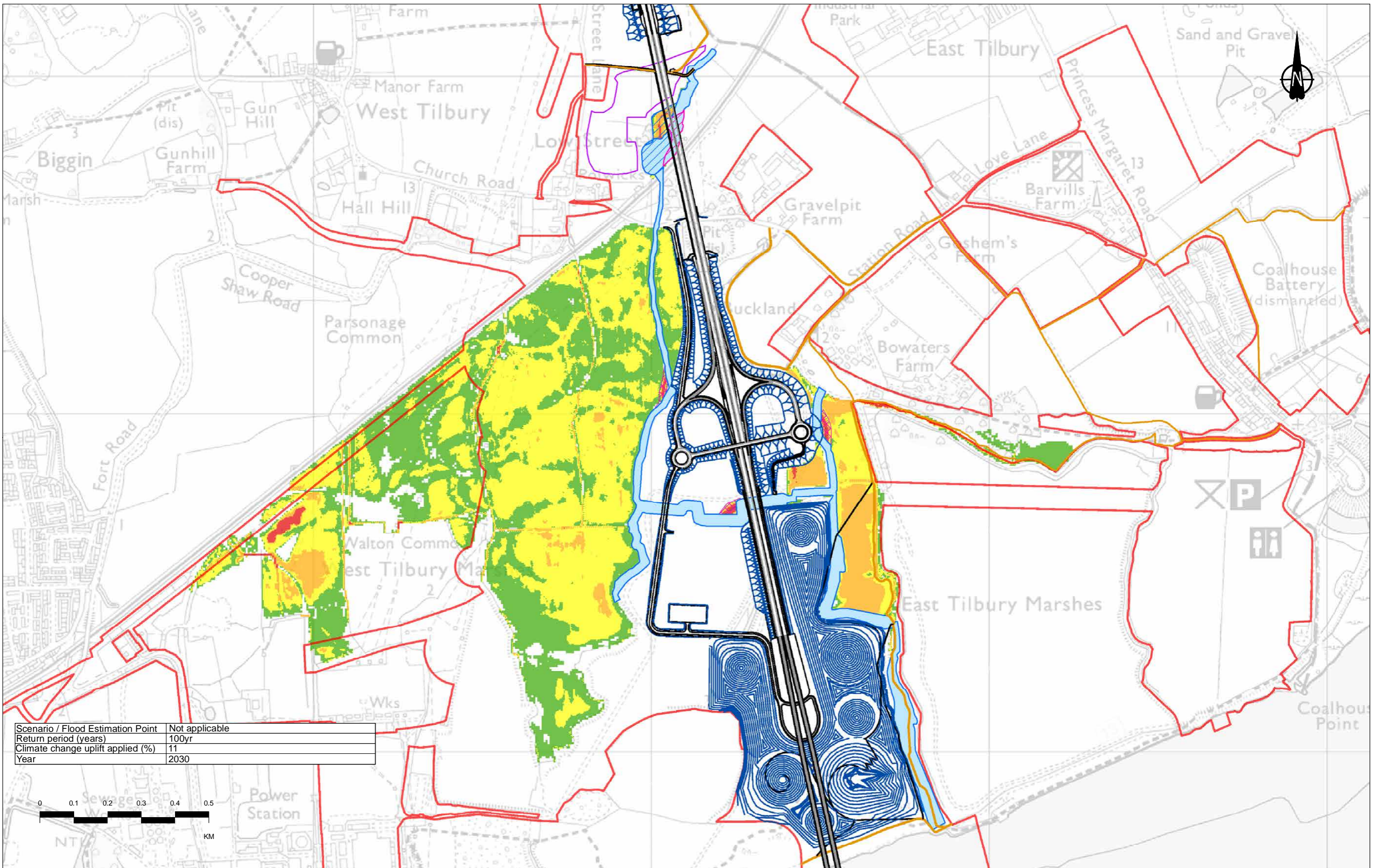
1D Channel	Proposed LTC alignment	Maximum flood depth (m)
1D Channel diversions	Earthworks	0 - 0.25
Compensation storage area	NMU Routes	0.25 - 0.5
Existing reservoir infilled		0.5 - 1.0
Revised reservoir footprint		1.0 - 2.0
Order Limits		> 2.0



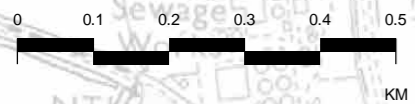
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (without mitigation) Sheet 9 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00923				

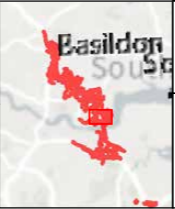


Scenario / Flood Estimation Point	Not applicable
Return period (years)	100yr
Climate change uplift applied (%)	11
Year	2030



P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

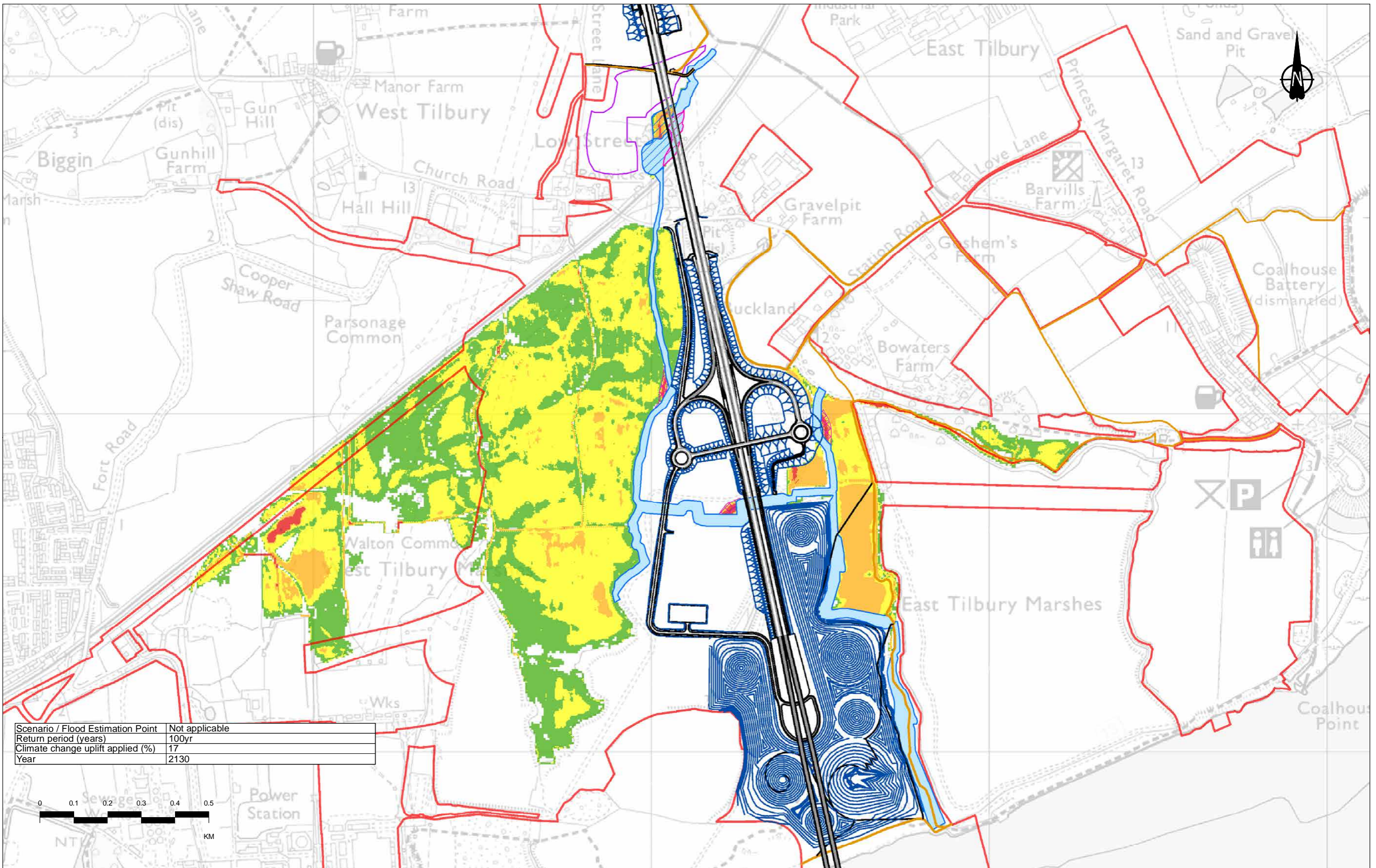
1D Channel	Alignment	0 - 0.25
1D Channel diversions	Earthworks	0.25 - 0.5
Compensation storage area	NMU Routes	0.5 - 1.0
Existing reservoir infilled		1.0 - 2.0
Revised reservoir footprint		> 2.0
Order Limits		



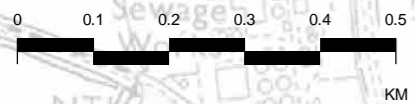
Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (without mitigation) Sheet 10 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00924				



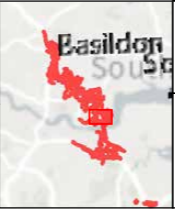
Scenario / Flood Estimation Point	Not applicable
Return period (years)	100yr
Climate change uplift applied (%)	17
Year	2130



P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

Legend

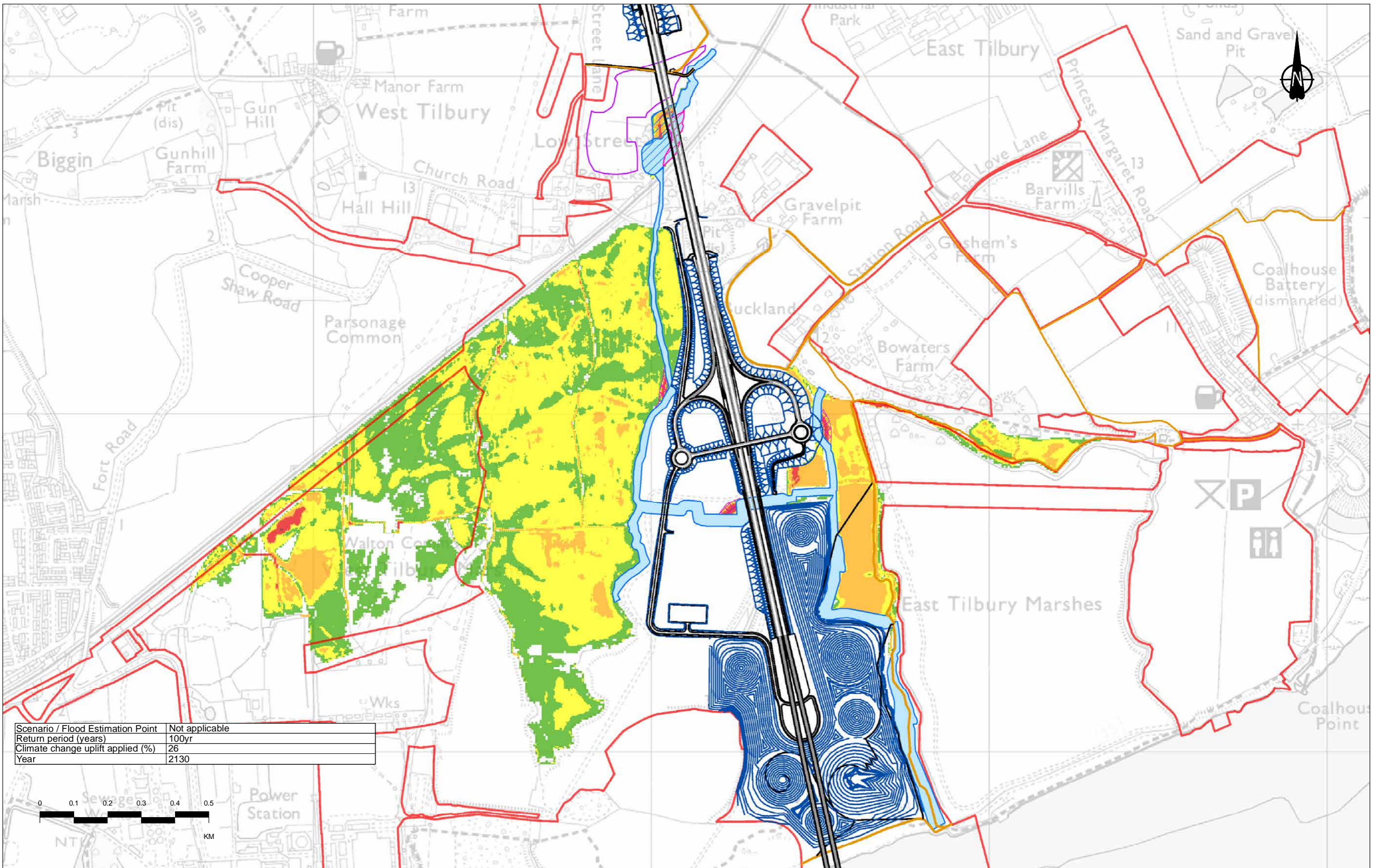
1D Channel	Alignment	Proposed LTC alignment	Maximum flood depth (m)
1D Channel diversions	Earthworks	NMU Routes	0 - 0.25
Compensation storage area	Existing reservoir infilled	Revised reservoir footprint	0.25 - 0.5
Order Limits			0.5 - 1.0
			1.0 - 2.0
			> 2.0



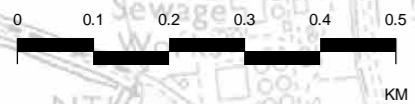
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (without mitigation) Sheet 11 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00925				



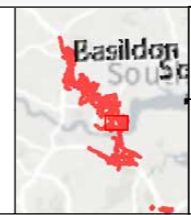
Scenario / Flood Estimation Point	Not applicable
Return period (years)	100yr
Climate change uplift applied (%)	26
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

Legend

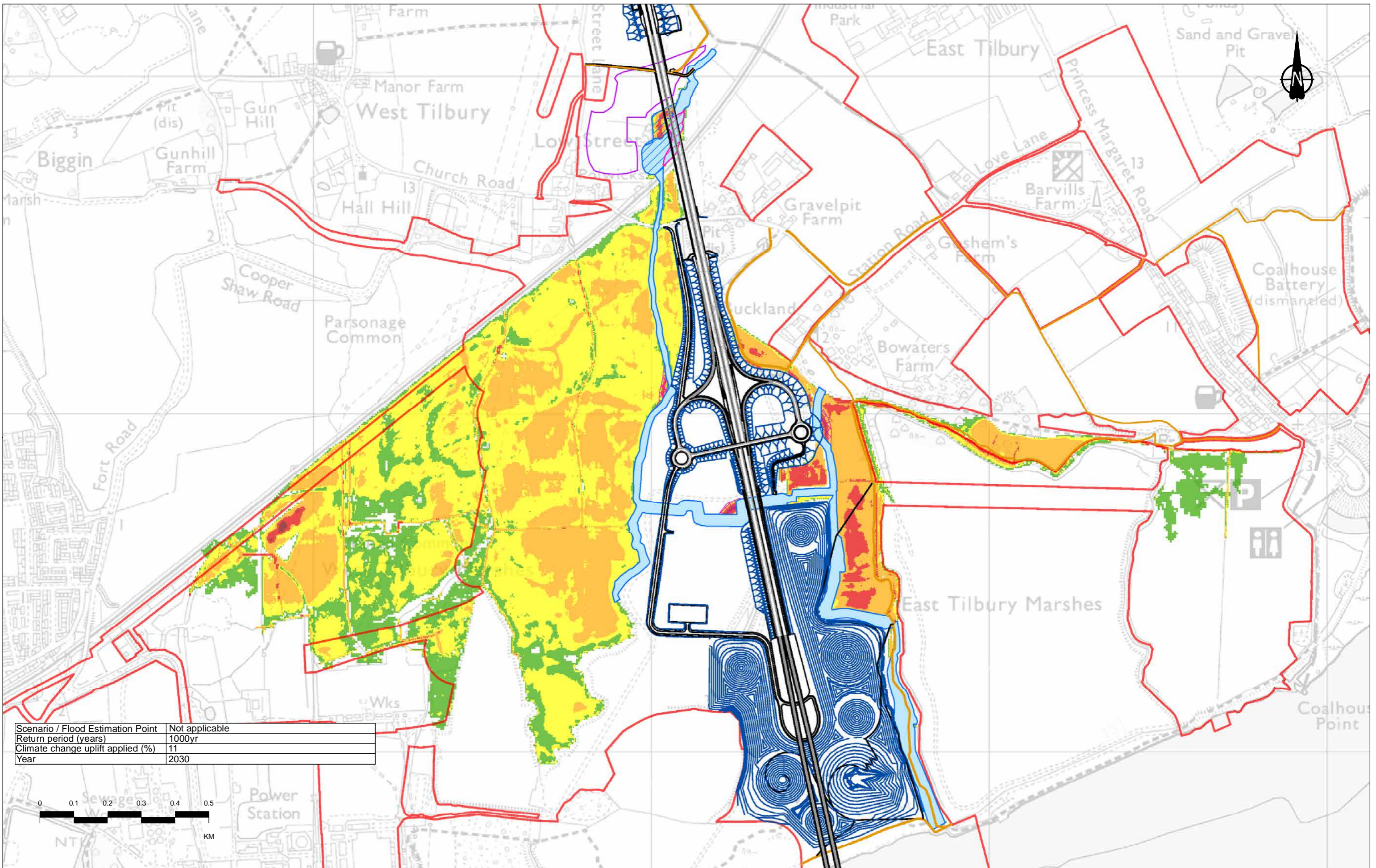
1D Channel	Proposed LTC alignment	Maximum flood depth (m)
1D Channel diversions	Earthworks	0 - 0.25
Compensation storage area	NMU Routes	0.25 - 0.5
Existing reservoir infilled		0.5 - 1.0
Revised reservoir footprint		1.0 - 2.0
Order Limits		> 2.0



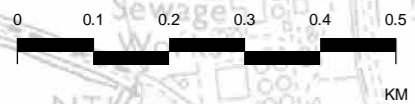
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (without mitigation) Sheet 12 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00926				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	1000yr
Climate change uplift applied (%)	11
Year	2030



P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

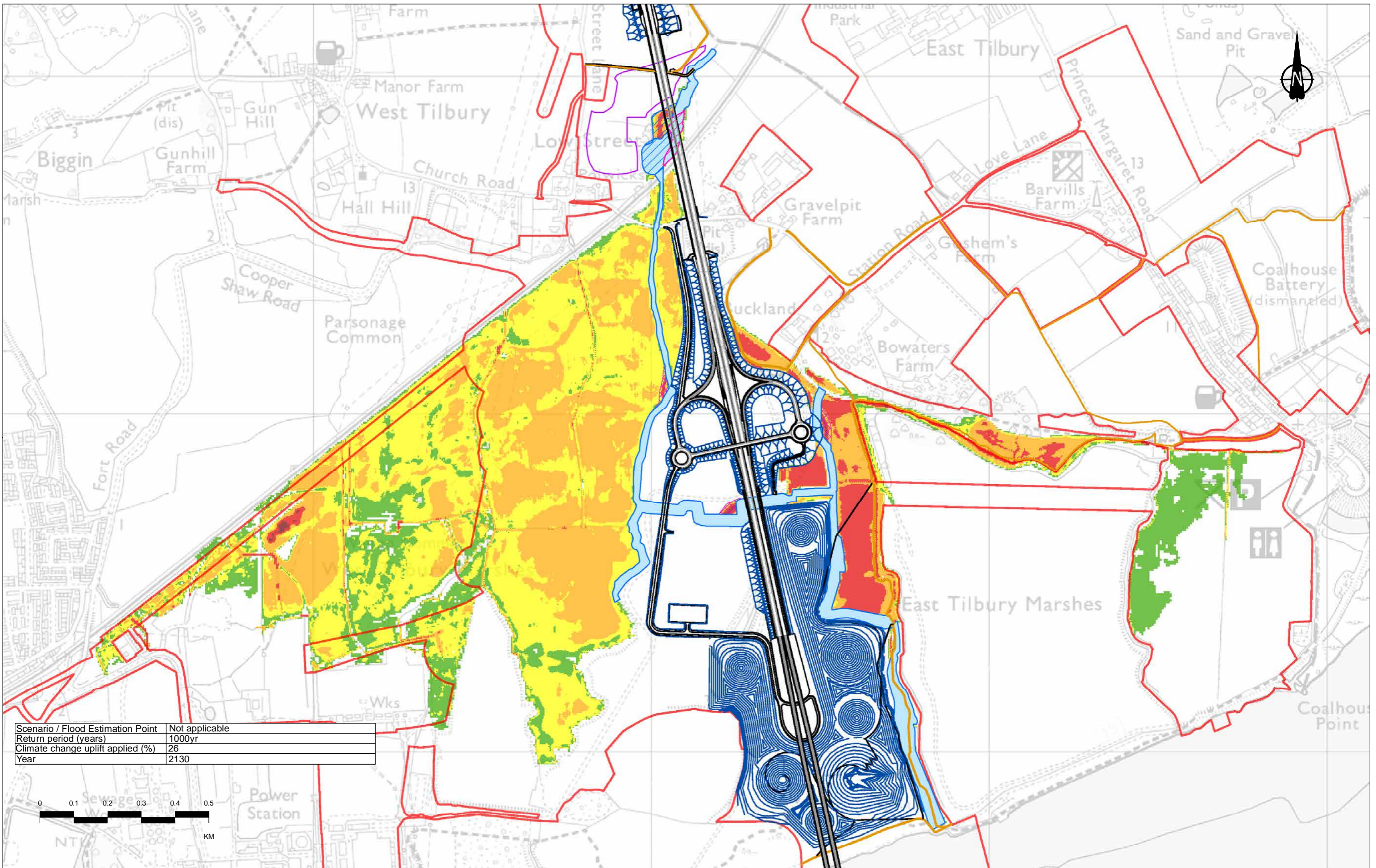
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



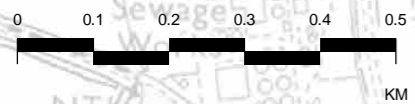
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (without mitigation) Sheet 13 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00927				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	1000yr
Climate change uplift applied (%)	26
Year	2130



P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

Legend

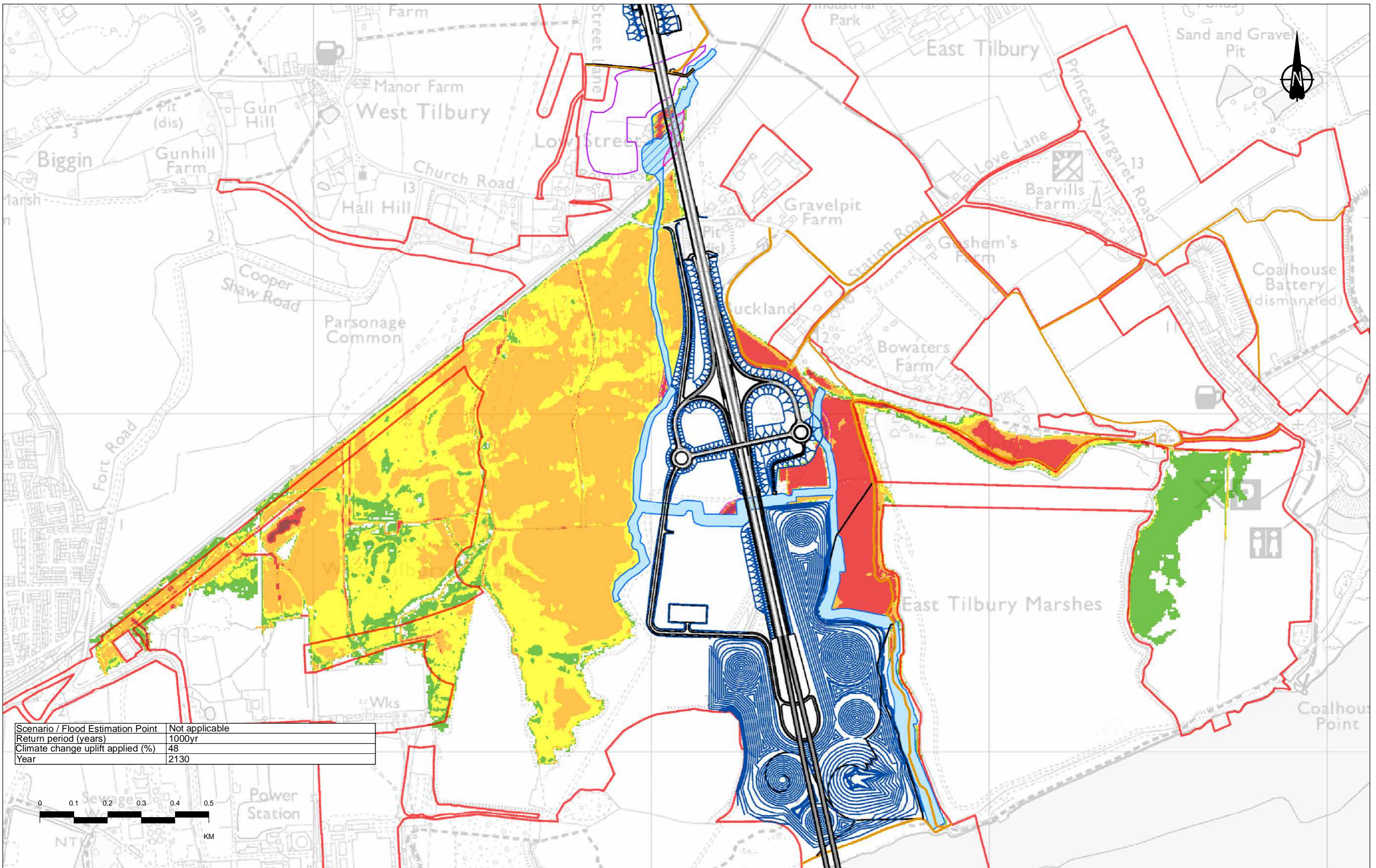
1D Channel	Proposed LTC alignment	Maximum flood depth (m)
1D Channel diversions	Earthworks	0.25 - 0.5
Compensation storage area	NMU Routes	0.5 - 1.0
Existing reservoir infilled		1.0 - 2.0
Revised reservoir footprint		> 2.0
Order Limits		



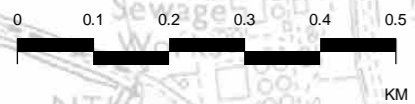
Client:

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (without mitigation) Sheet 14 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00928				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	1000yr
Climate change uplift applied (%)	48
Year	2130



P01 SB 02/08/2022 DCO Application Rev Status Rev. Date Purpose of revision Drawn Check'd Apprv'd	KK RB BF Drawn Check'd Apprv'd
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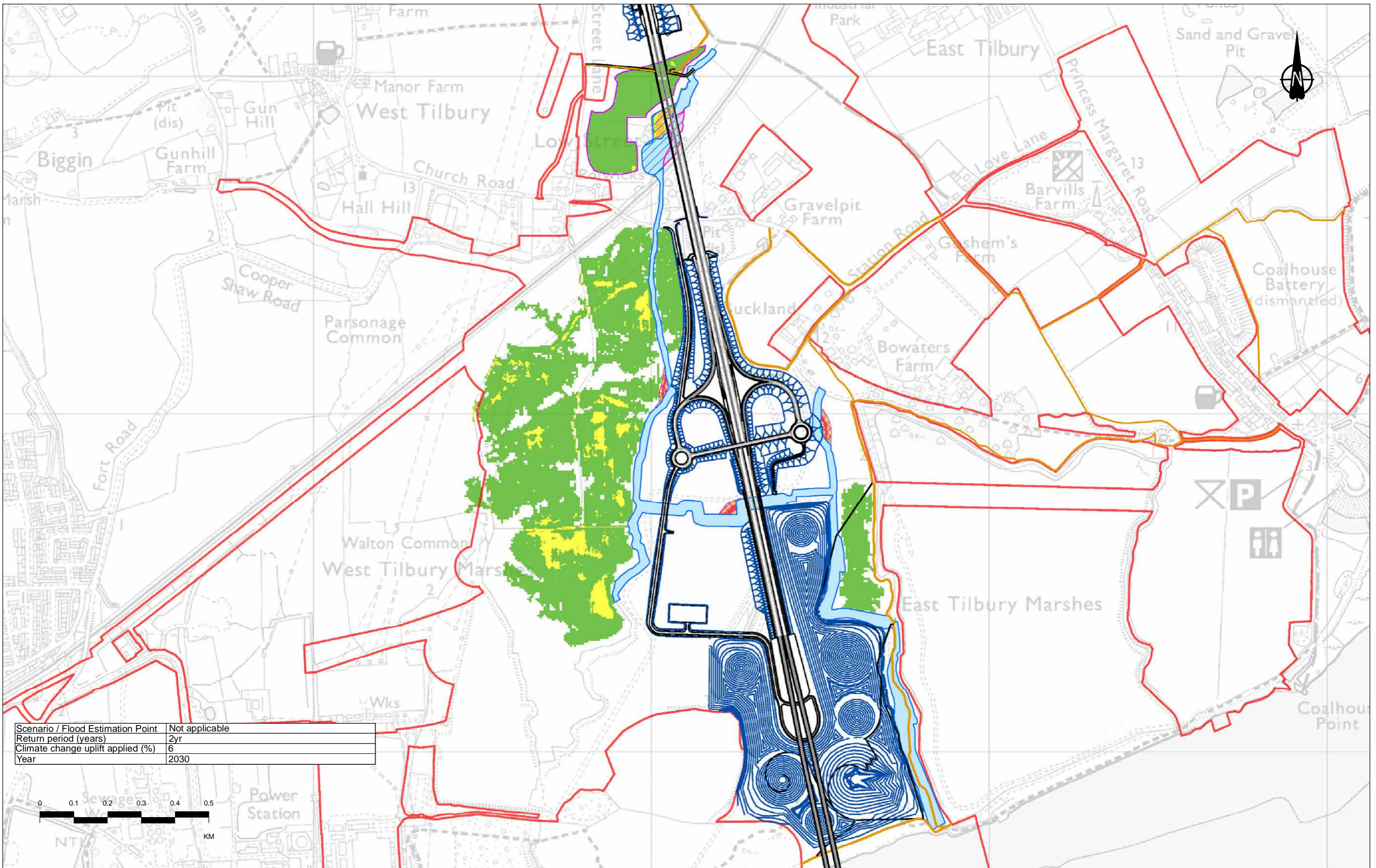
Legend 1D Channel 1D Channel diversions Compensation storage area Existing reservoir infilled Revised reservoir footprint Order Limits	Proposed LTC alignment Alignment Earthworks NMU Routes	Maximum flood depth (m) 0 - 0.25 0.25 - 0.5 0.5 - 1.0 1.0 - 2.0 > 2.0
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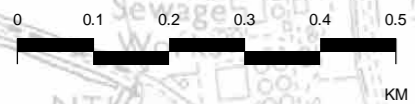
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (without mitigation) Sheet 15 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00929				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	2yr
Climate change uplift applied (%)	6
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

Legend

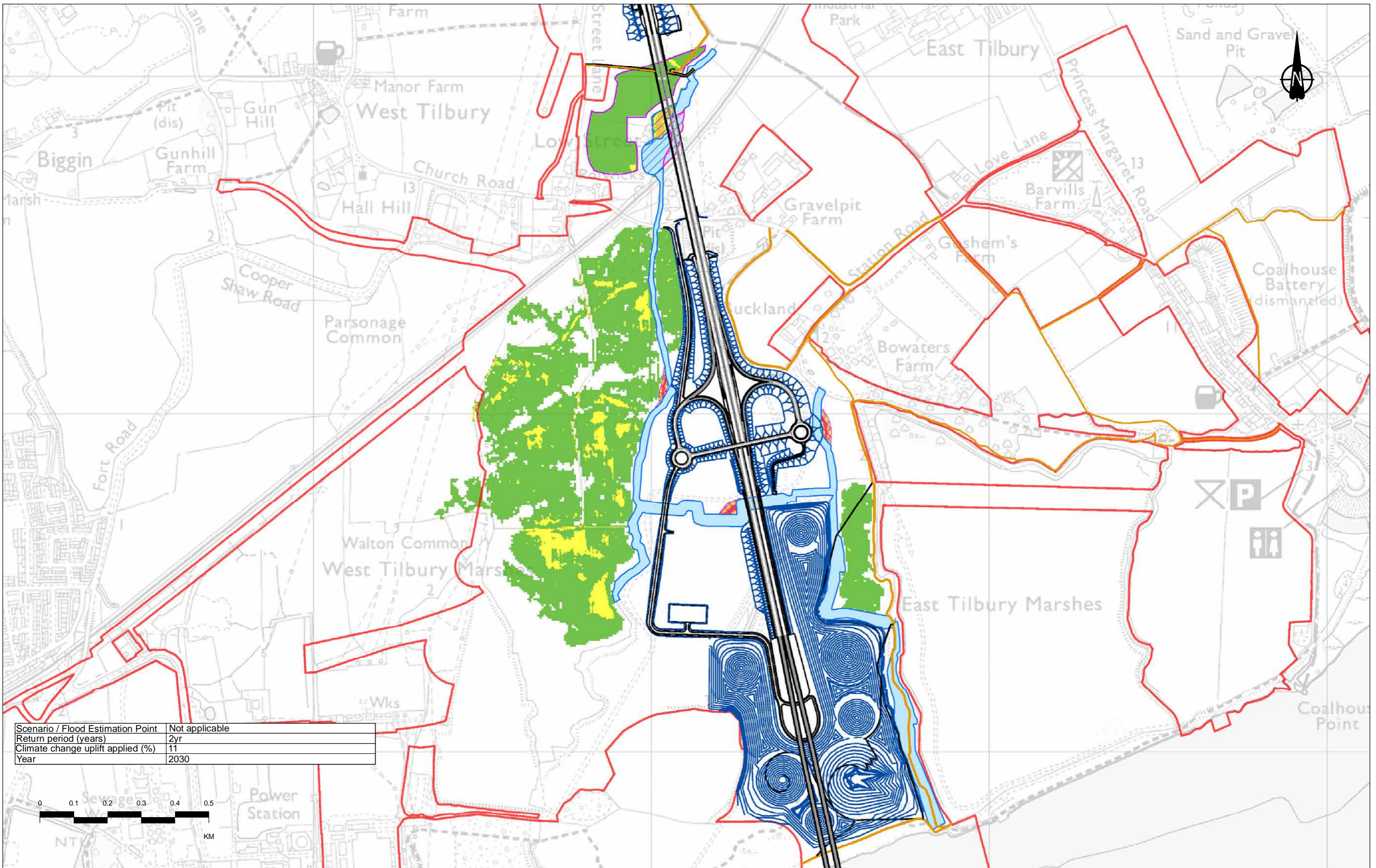
1D Channel	Alignment	Proposed LTC alignment	Maximum flood depth (m)
1D Channel diversions	Earthworks	0 - 0.25	0.25 - 0.5
Compensation storage area	NMU Routes	0.5 - 1.0	1.0 - 2.0
Existing reservoir infilled		> 2.0	
Revised reservoir footprint			
Order Limits			



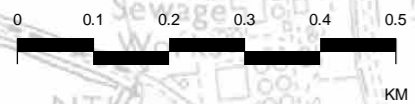
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (with mitigation) Sheet 1 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00930				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	2yr
Climate change uplift applied (%)	11
Year	2030



P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

Legend

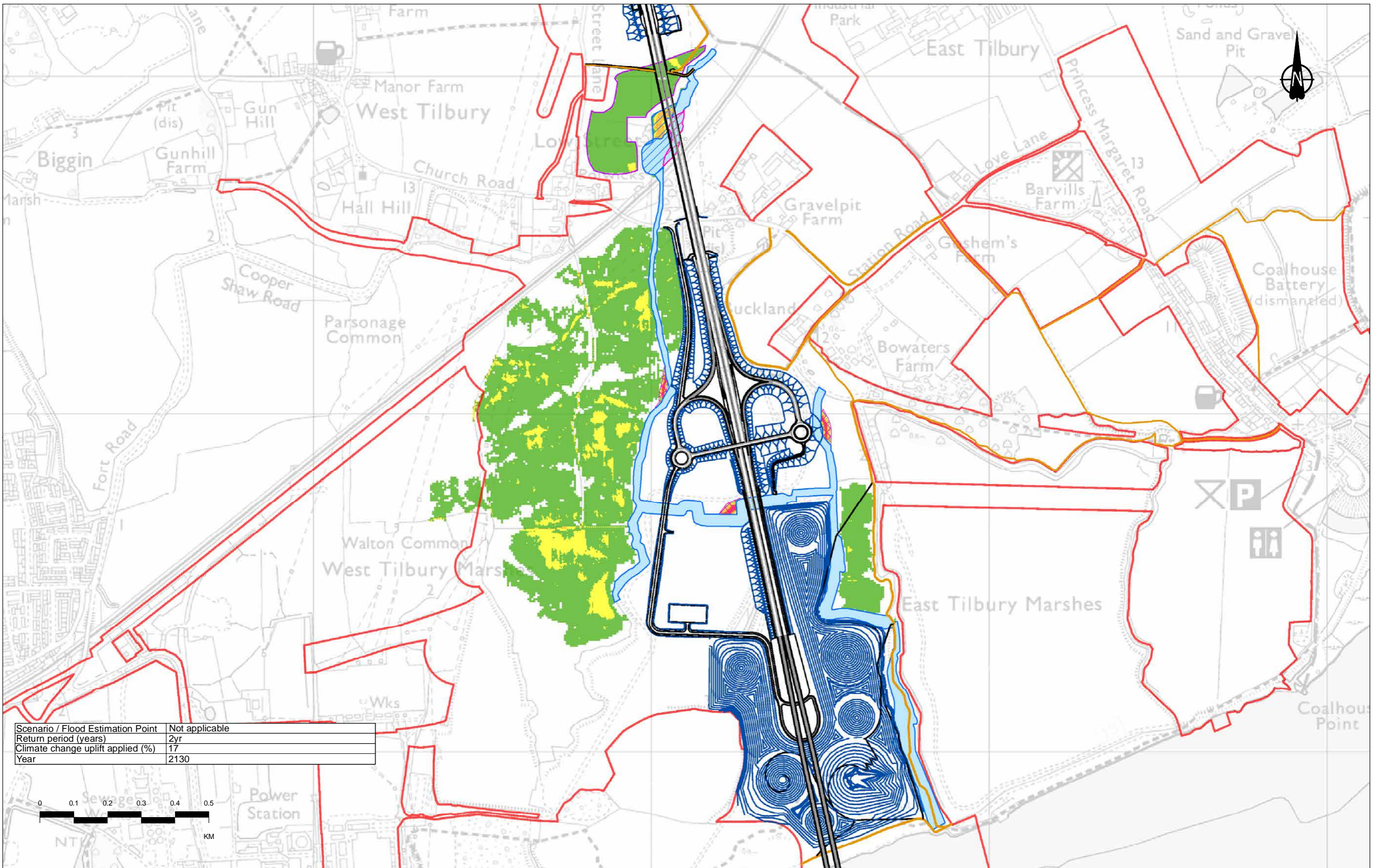
1D Channel	Alignment	Proposed LTC alignment	Maximum flood depth (m)
1D Channel diversions	Earthworks	0 - 0.25	0.25 - 0.5
Compensation storage area	NMU Routes	0.5 - 1.0	1.0 - 2.0
Existing reservoir infilled		> 2.0	
Revised reservoir footprint			
Order Limits			



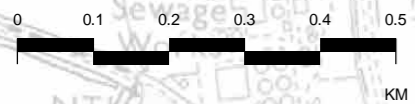
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (with mitigation) Sheet 2 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00931				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	2yr
Climate change uplift applied (%)	17
Year	2130



P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

Legend

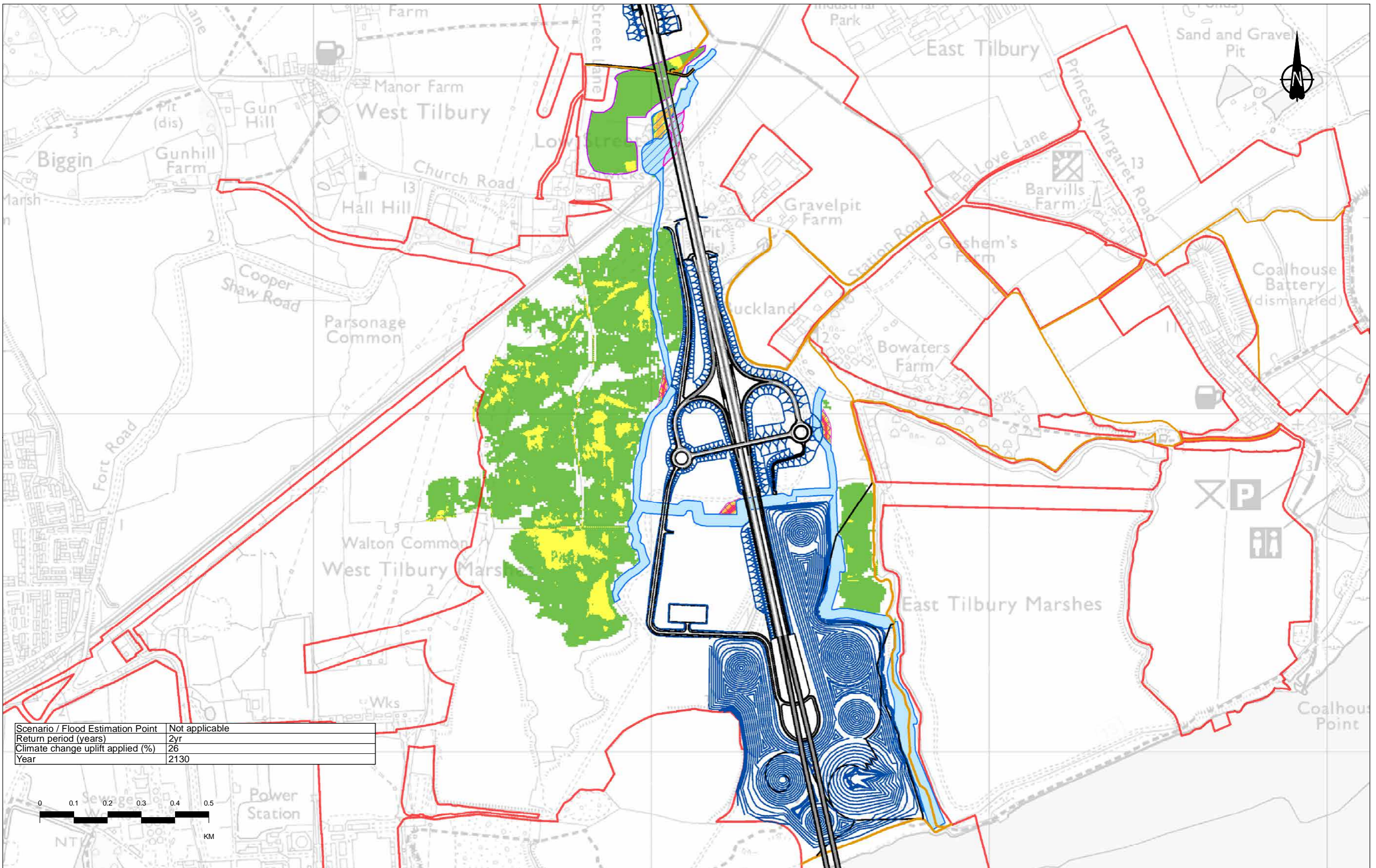
1D Channel	Alignment	Proposed LTC alignment	Maximum flood depth (m)
1D Channel diversions	Earthworks	0 - 0.25	0.25 - 0.5
Compensation storage area	NMU Routes	0.5 - 1.0	1.0 - 2.0
Existing reservoir infilled		> 2.0	
Revised reservoir footprint			
Order Limits			



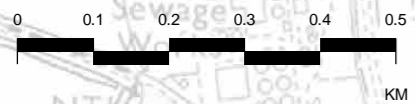
Client: national highways

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (with mitigation) Sheet 3 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00932				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	2yr
Climate change uplift applied (%)	26
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

Legend

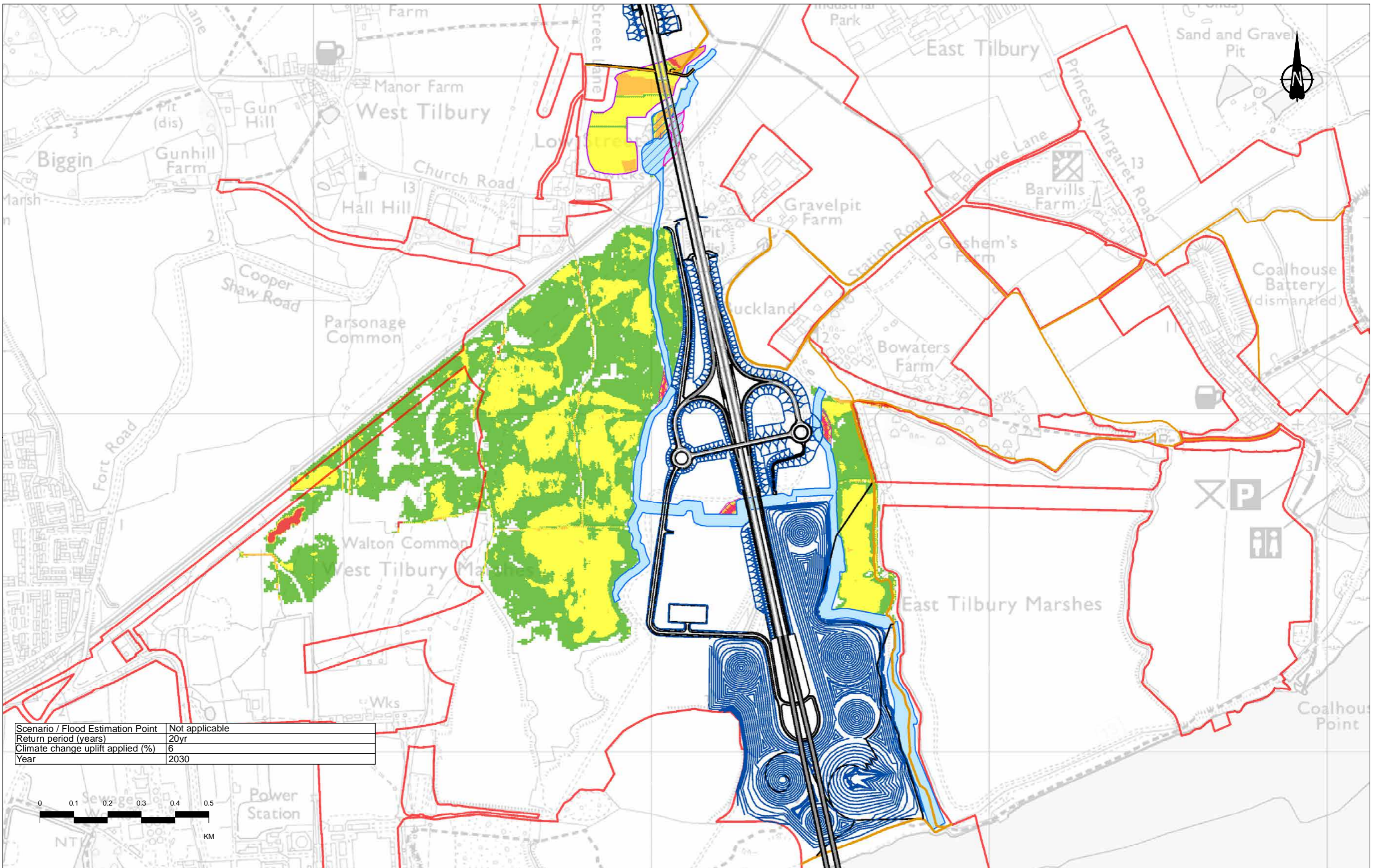
1D Channel	Alignment	Proposed LTC alignment	Maximum flood depth (m)
1D Channel diversions	Earthworks	0 - 0.25	0.25 - 0.5
Compensation storage area	NMU Routes	0.5 - 1.0	1.0 - 2.0
Existing reservoir infilled		> 2.0	
Revised reservoir footprint			
Order Limits			



Client: national highways

Project: LOWER THAMES CROSSING

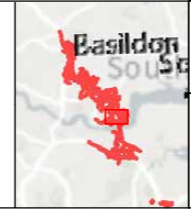
Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (with mitigation) Sheet 4 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00933				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	20yr
Climate change uplift applied (%)	6
Year	2030

P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

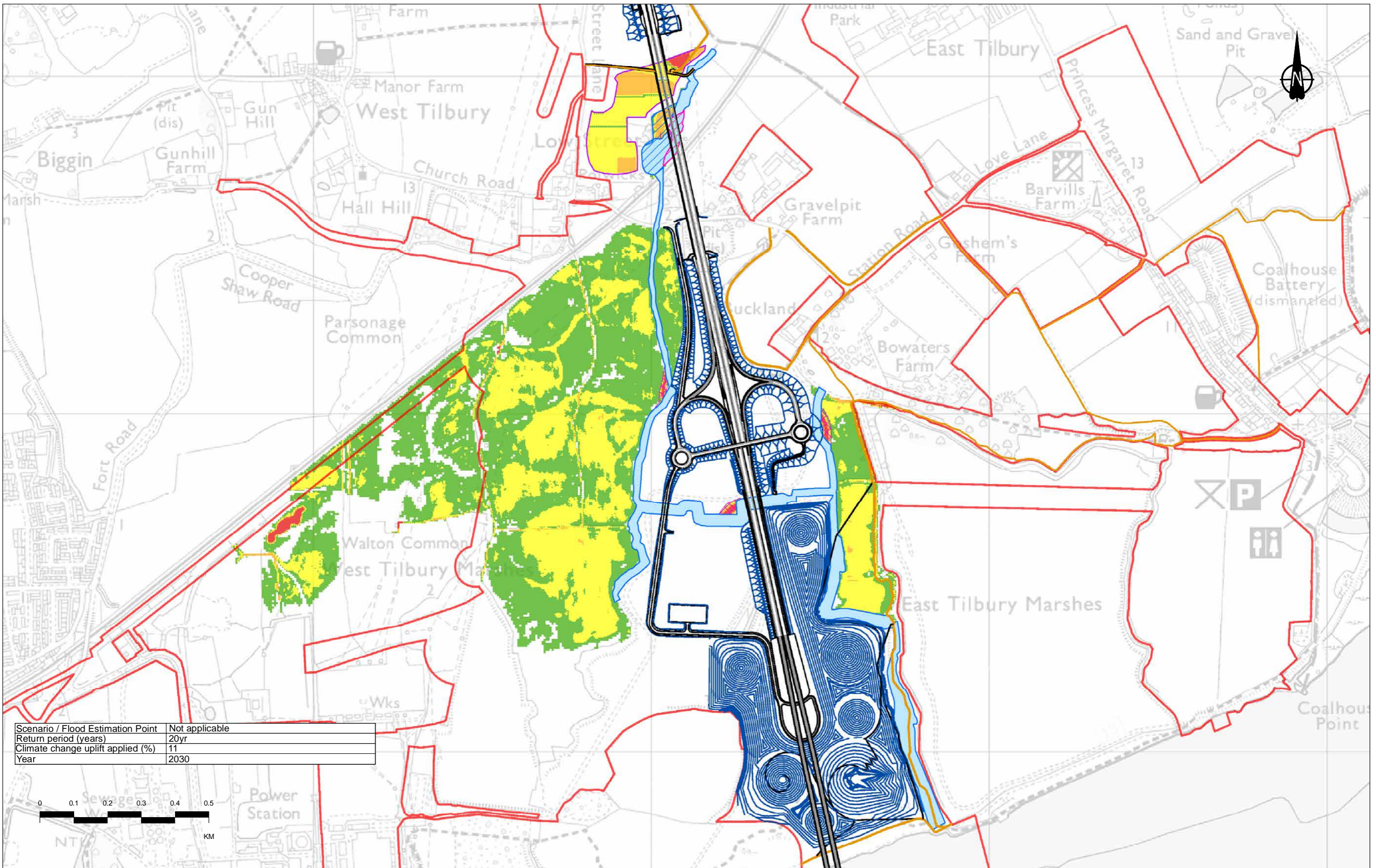
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



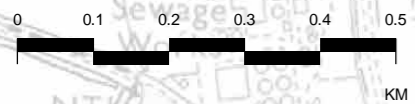
Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (with mitigation) Sheet 5 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00934				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	20yr
Climate change uplift applied (%)	11
Year	2030



P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

Legend

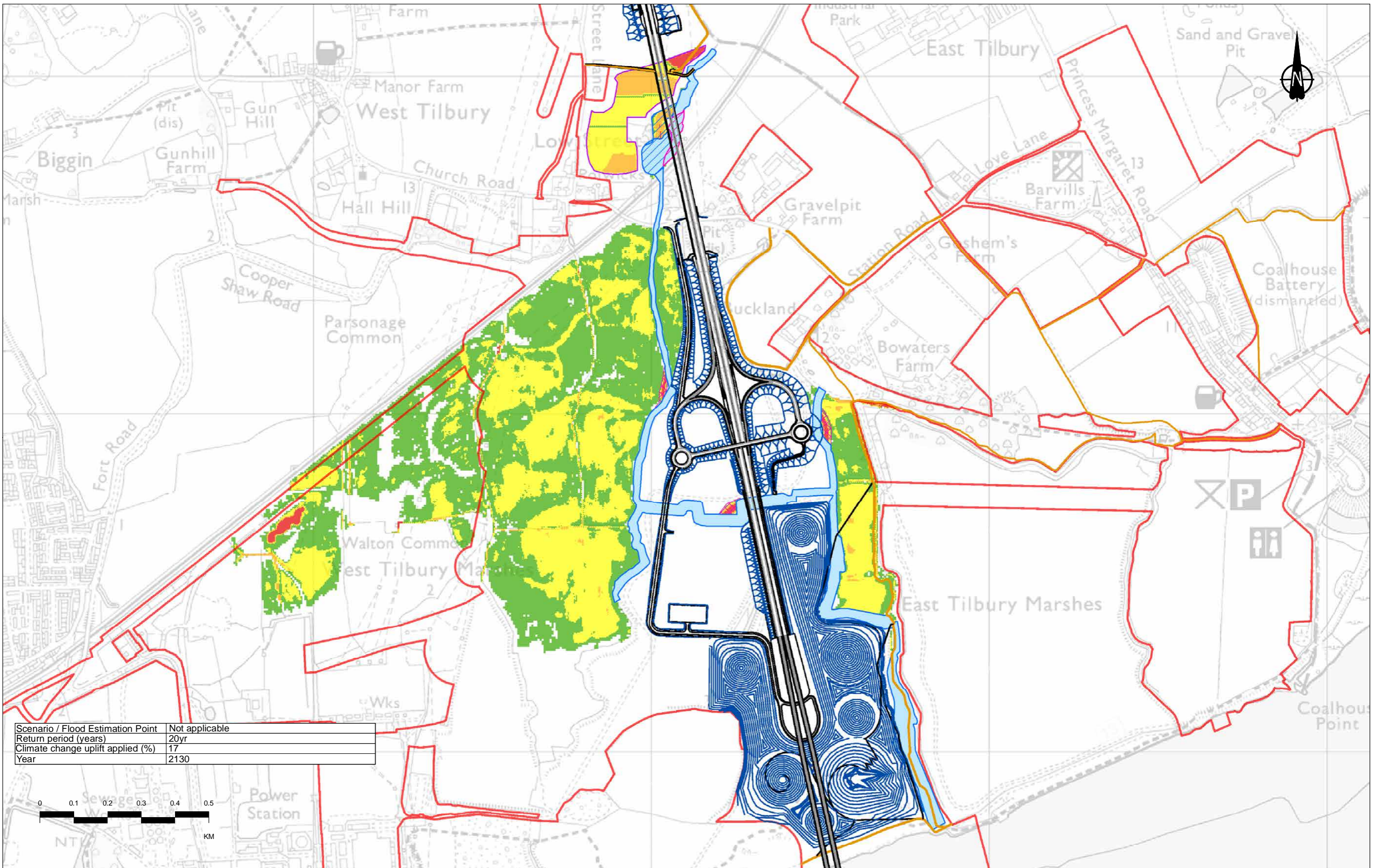
1D Channel	Alignment	Proposed LTC alignment Maximum flood depth (m)	0 - 0.25
1D Channel diversions	Earthworks		0.25 - 0.5
Compensation storage area	NMU Routes		0.5 - 1.0
Existing reservoir infilled			1.0 - 2.0
Revised reservoir footprint			> 2.0
Order Limits			



Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (with mitigation) Sheet 6 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00935				

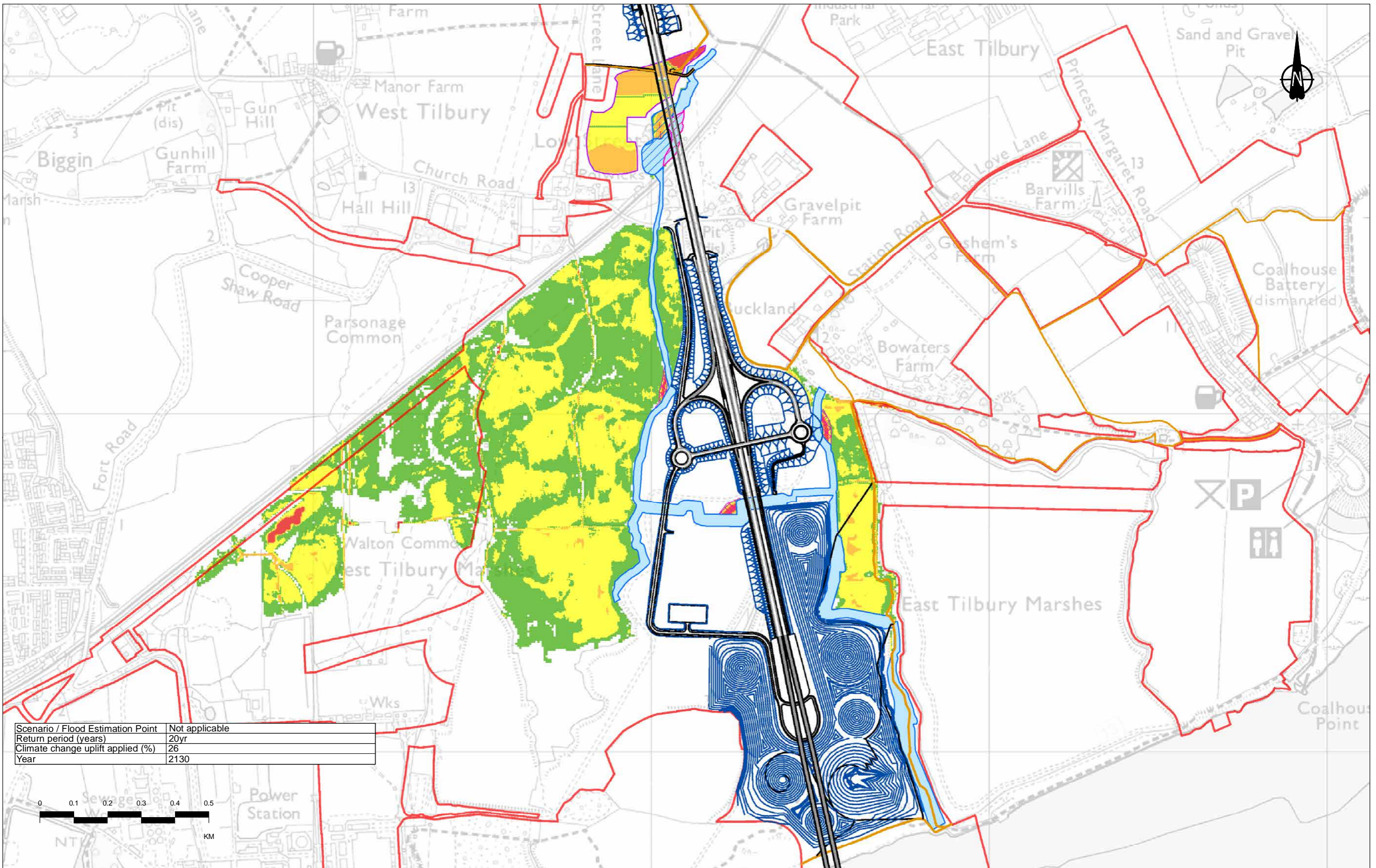


Scenario / Flood Estimation Point	Not applicable
Return period (years)	20yr
Climate change uplift applied (%)	17
Year	2130

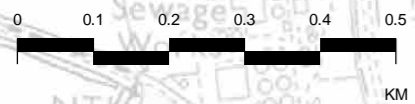
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				

	Client		Status	DCO Application	Original Size	A3	Revision	P01
	Project	LOWER THAMES CROSSING	Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
			Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (with mitigation) Sheet 7 of 15				
			Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00936				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	20yr
Climate change uplift applied (%)	26
Year	2130



P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

Legend

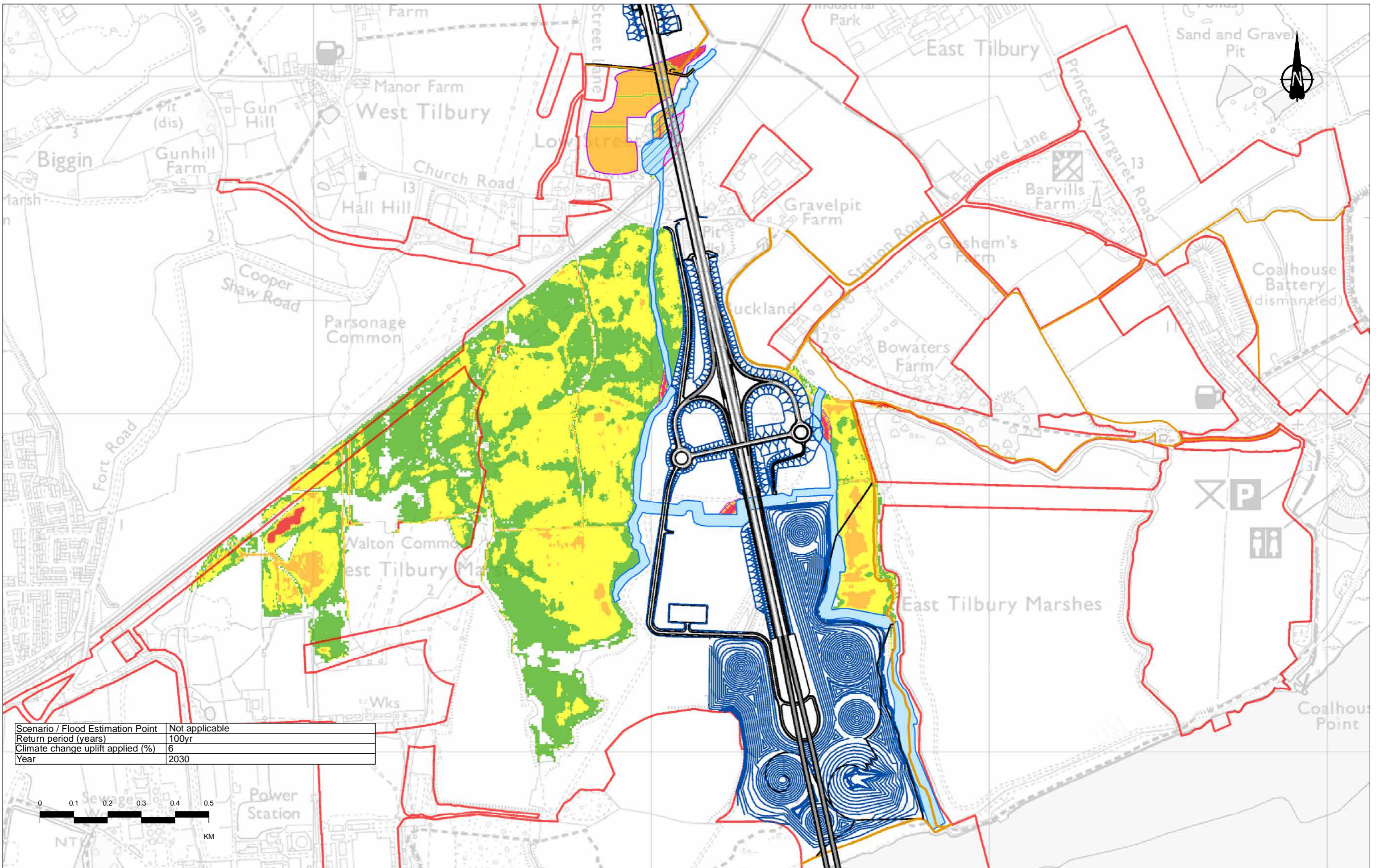
1D Channel	Proposed LTC alignment	Maximum flood depth (m)
1D Channel diversions	Earthworks	0 - 0.25
Compensation storage area	NMU Routes	0.25 - 0.5
Existing reservoir infilled		0.5 - 1.0
Revised reservoir footprint		1.0 - 2.0
Order Limits		> 2.0



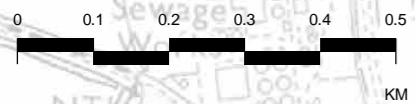
Client:

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (with mitigation) Sheet 8 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00937				

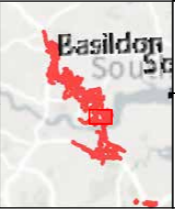


Scenario / Flood Estimation Point	Not applicable
Return period (years)	100yr
Climate change uplift applied (%)	6
Year	2030



P01 SB 02/08/2022 DCO Application			KK RB BF			
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

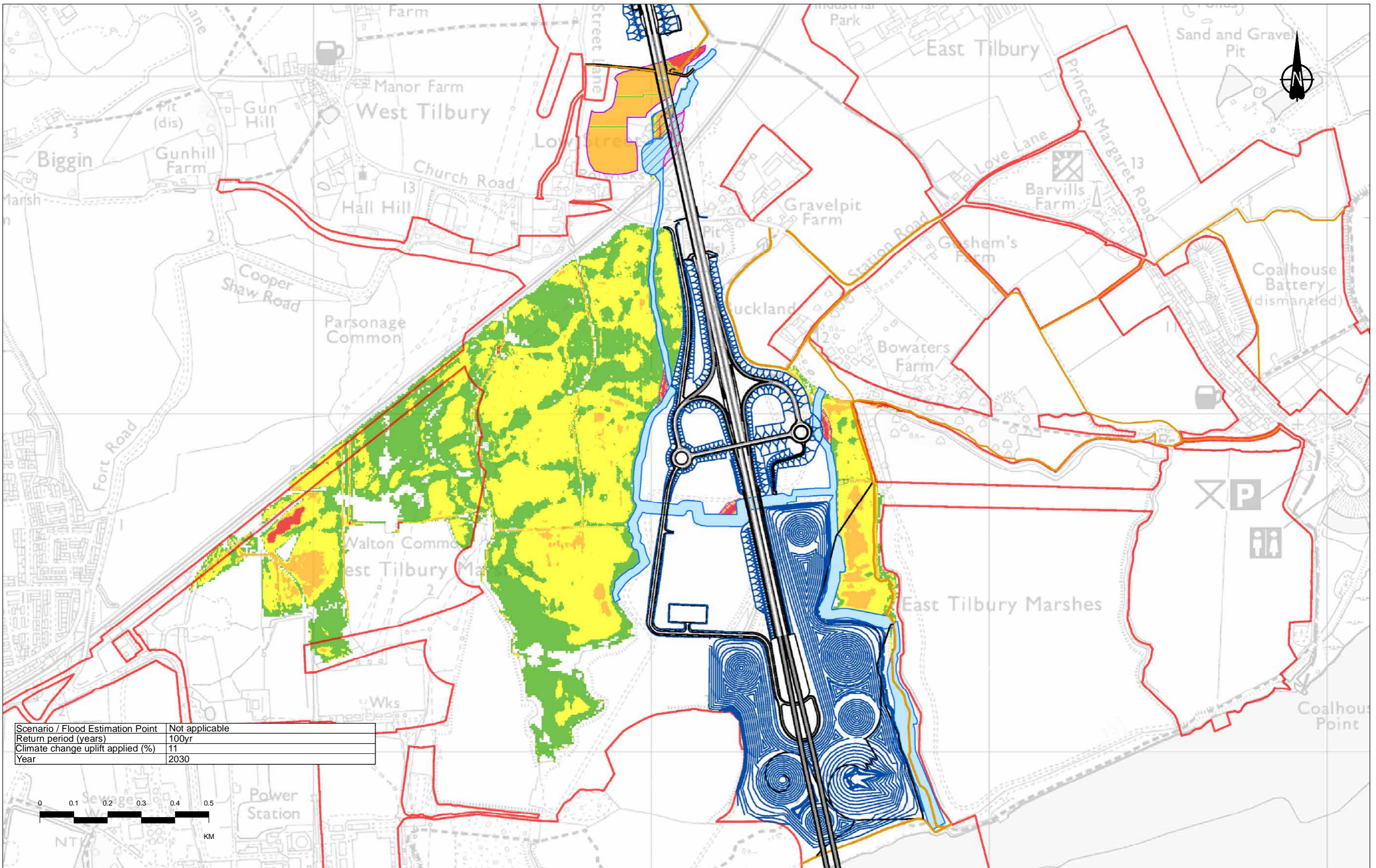
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



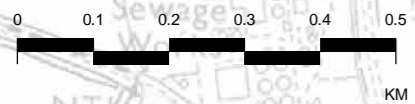
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (with mitigation) Sheet 9 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00938				

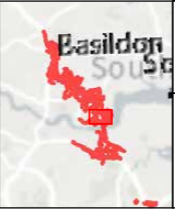


Scenario / Flood Estimation Point	Not applicable
Return period (years)	100yr
Climate change uplift applied (%)	11
Year	2030



P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

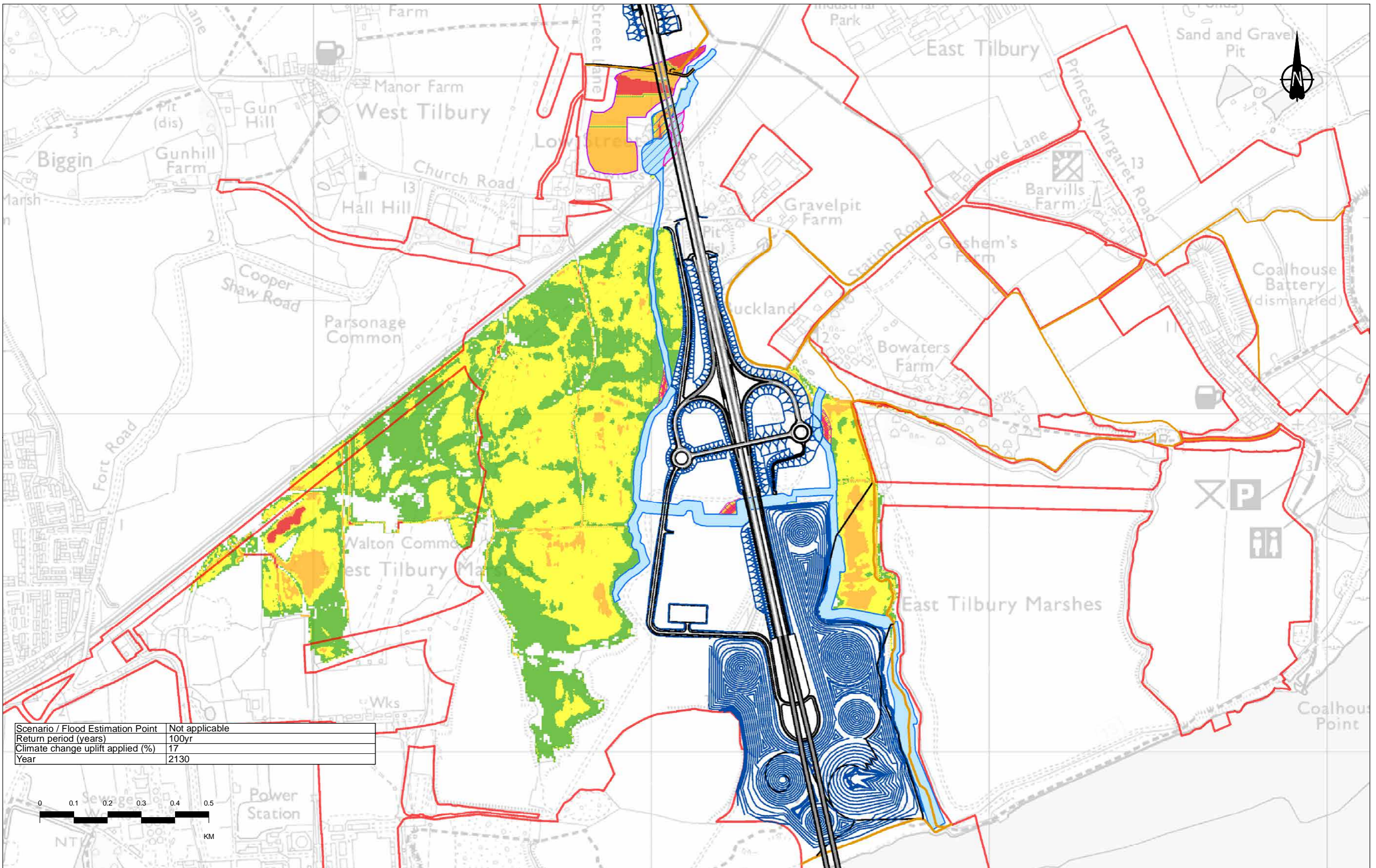
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



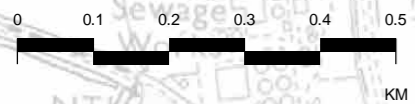
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (with mitigation) Sheet 10 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00939				



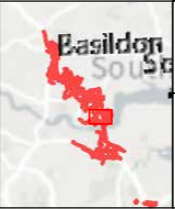
Scenario / Flood Estimation Point	Not applicable
Return period (years)	100yr
Climate change uplift applied (%)	17
Year	2130



P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

Legend

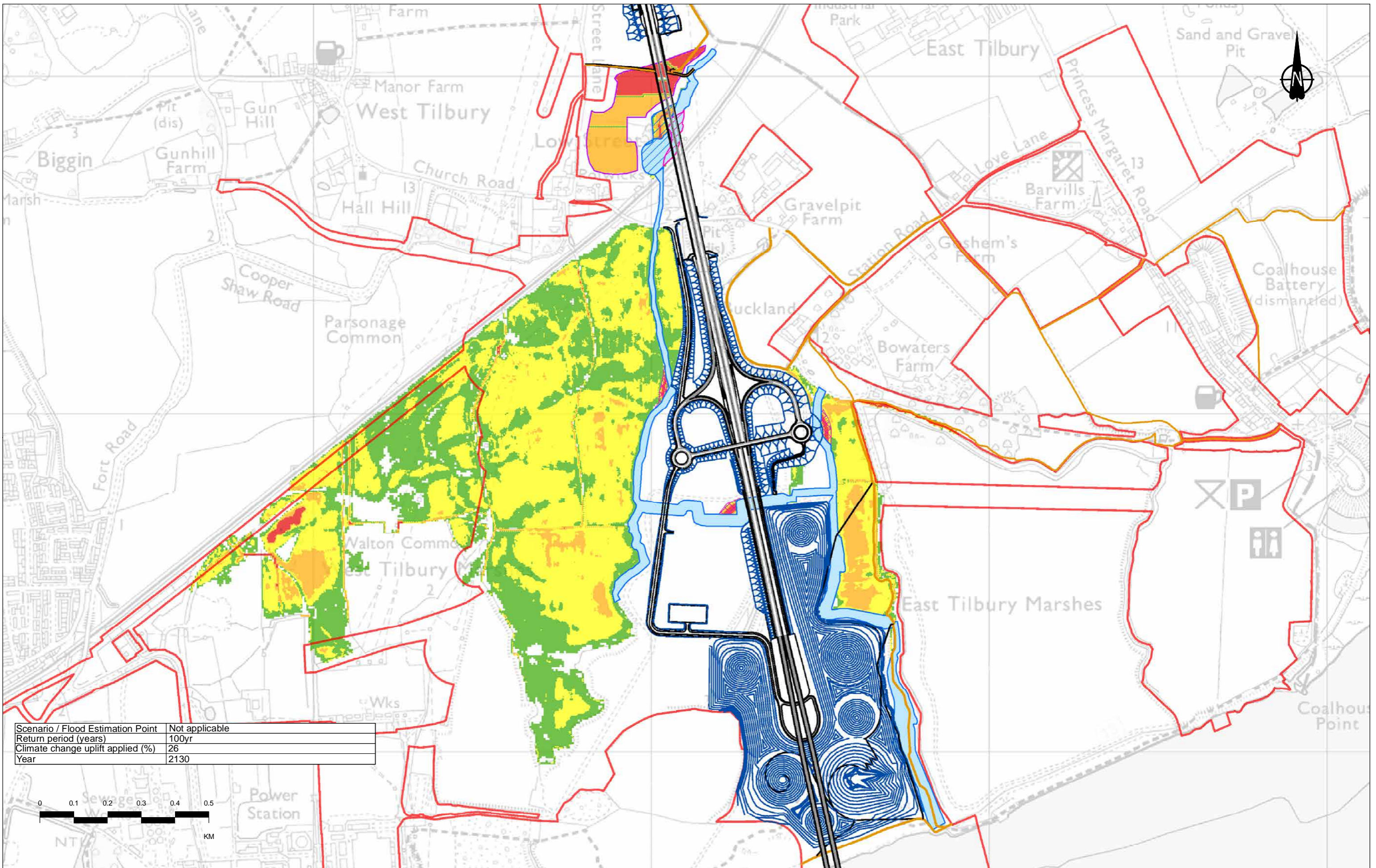
1D Channel	Alignment	0 - 0.25
1D Channel diversions	Earthworks	0.25 - 0.5
Compensation storage area	NMU Routes	0.5 - 1.0
Existing reservoir infilled		1.0 - 2.0
Revised reservoir footprint		> 2.0
Order Limits		



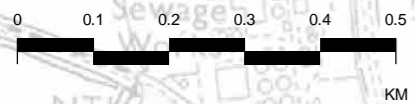
Client:

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (with mitigation) Sheet 11 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00940				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	100yr
Climate change uplift applied (%)	26
Year	2130



P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

Legend

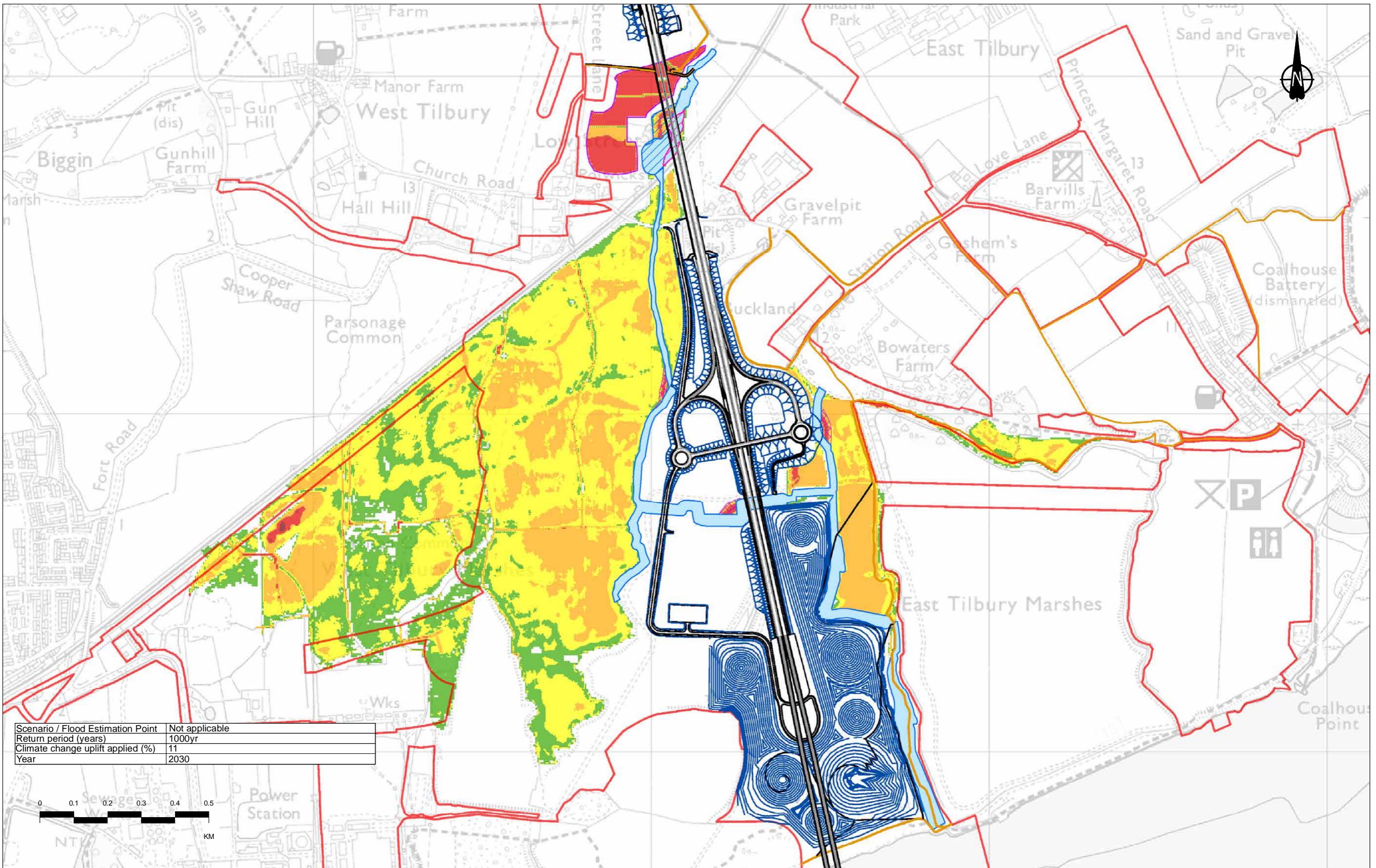
1D Channel	Proposed LTC alignment	Maximum flood depth (m)
1D Channel diversions	Earthworks	0 - 0.25
Compensation storage area	NMU Routes	0.25 - 0.5
Existing reservoir infilled		0.5 - 1.0
Revised reservoir footprint		1.0 - 2.0
Order Limits		> 2.0



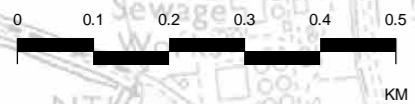
Client:

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (with mitigation) Sheet 12 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00941				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	1000yr
Climate change uplift applied (%)	11
Year	2030



P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

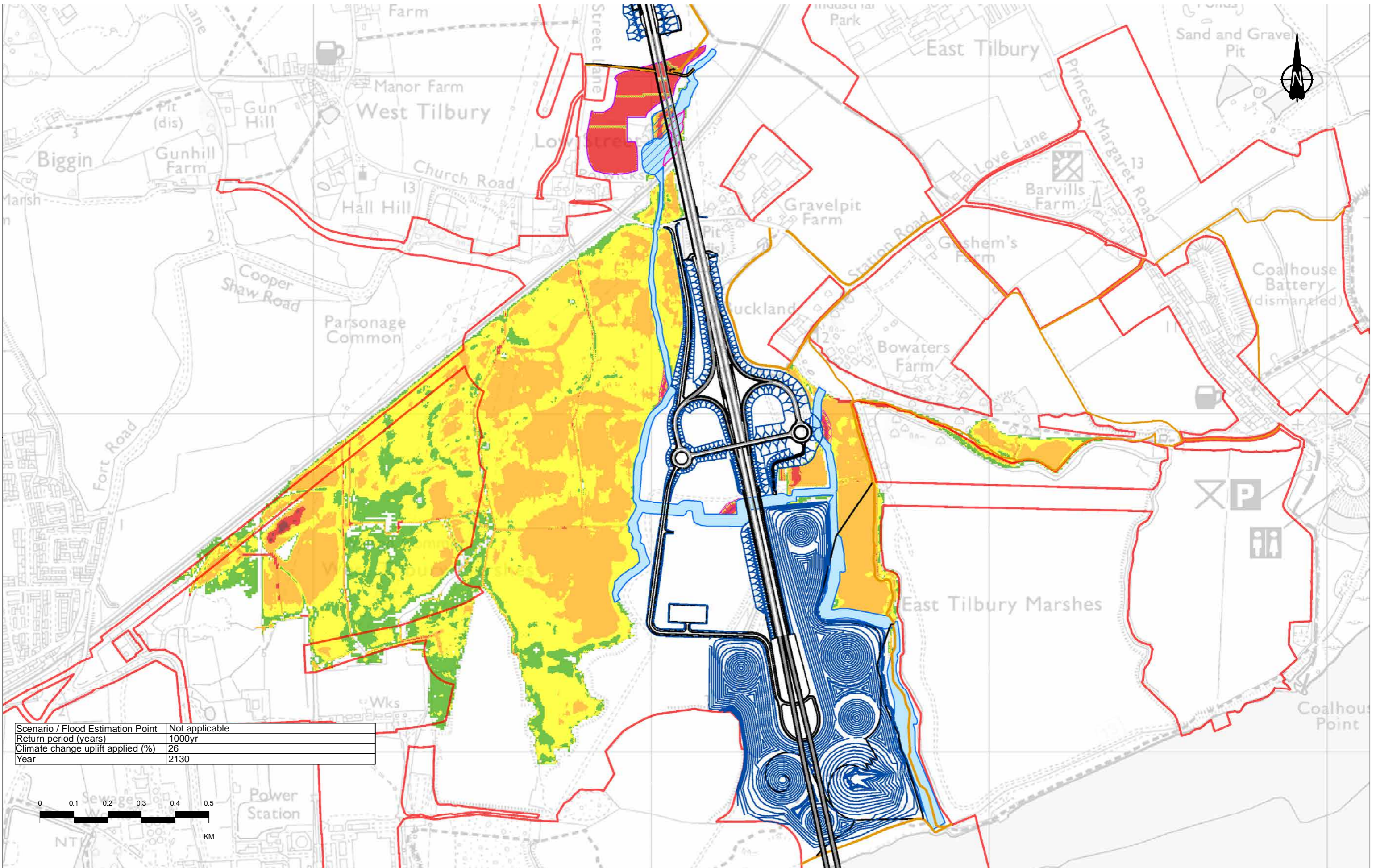
Legend

1D Channel	Proposed LTC alignment	Maximum flood depth (m)
1D Channel diversions	Earthworks	0 - 0.25
Compensation storage area	NMU Routes	0.25 - 0.5
Existing reservoir infilled		0.5 - 1.0
Revised reservoir footprint		1.0 - 2.0
Order Limits		> 2.0

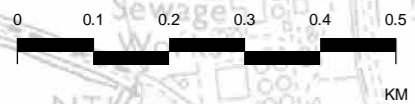


LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (with mitigation) Sheet 13 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00942				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	1000yr
Climate change uplift applied (%)	26
Year	2130



P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

Legend

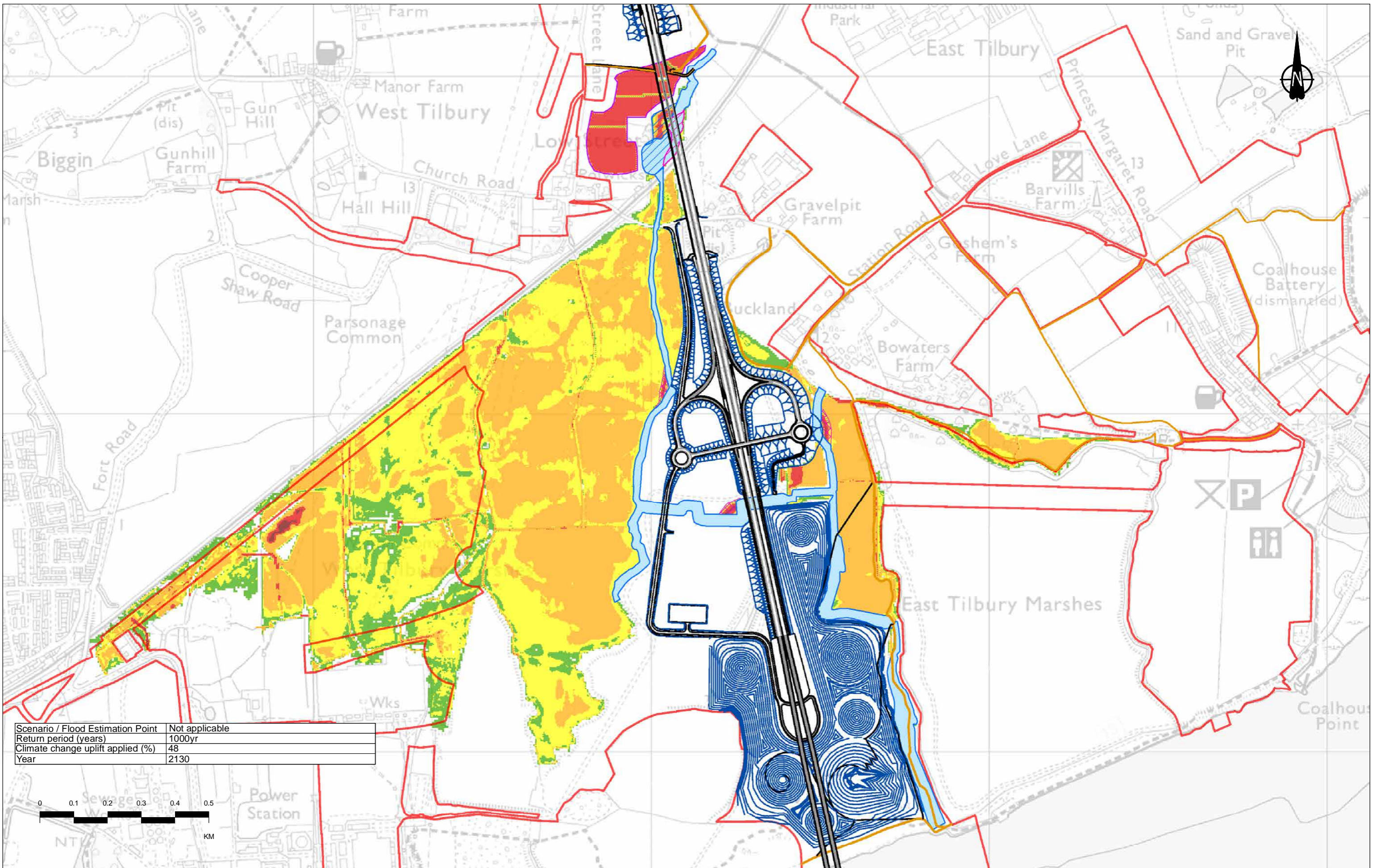
1D Channel	Proposed LTC alignment	Maximum flood depth (m)
1D Channel diversions	Earthworks	0 - 0.25
Compensation storage area	NMU Routes	0.25 - 0.5
Existing reservoir infilled		0.5 - 1.0
Revised reservoir footprint		1.0 - 2.0
Order Limits		> 2.0



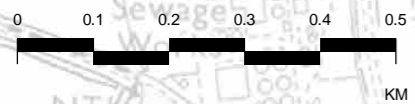
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (with mitigation) Sheet 14 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00943				



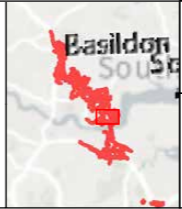
Scenario / Flood Estimation Point	Not applicable
Return period (years)	1000yr
Climate change uplift applied (%)	48
Year	2130



P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

Legend

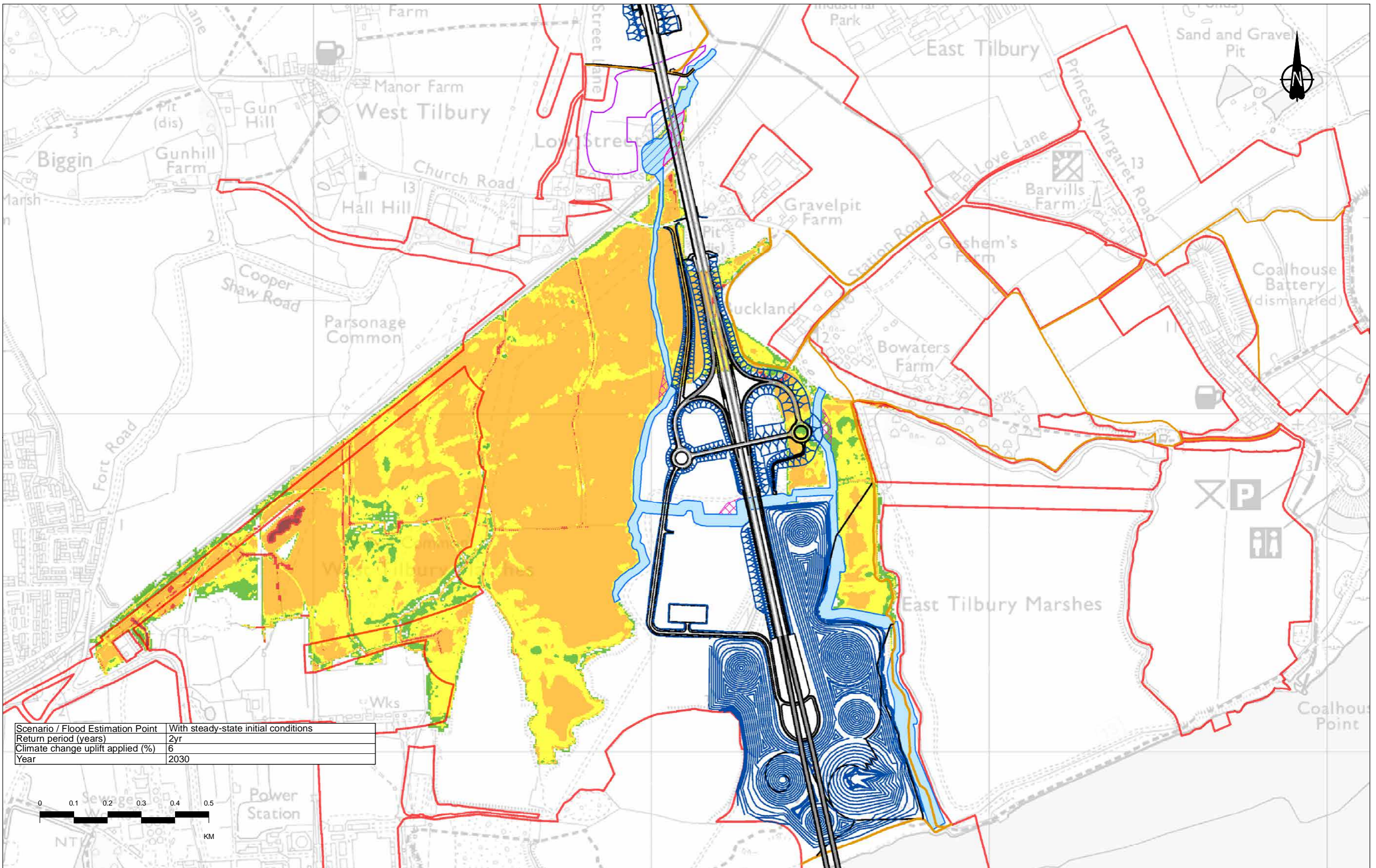
1D Channel	Proposed LTC alignment	Maximum flood depth (m)
1D Channel diversions	Earthworks	0 - 0.25
Compensation storage area	NMU Routes	0.25 - 0.5
Existing reservoir infilled		0.5 - 1.0
Revised reservoir footprint		1.0 - 2.0
Order Limits		> 2.0



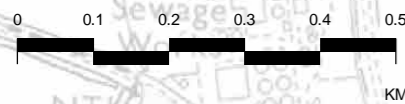
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (with mitigation) Sheet 15 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00944				



Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	2yr
Climate change uplift applied (%)	6
Year	2030



P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

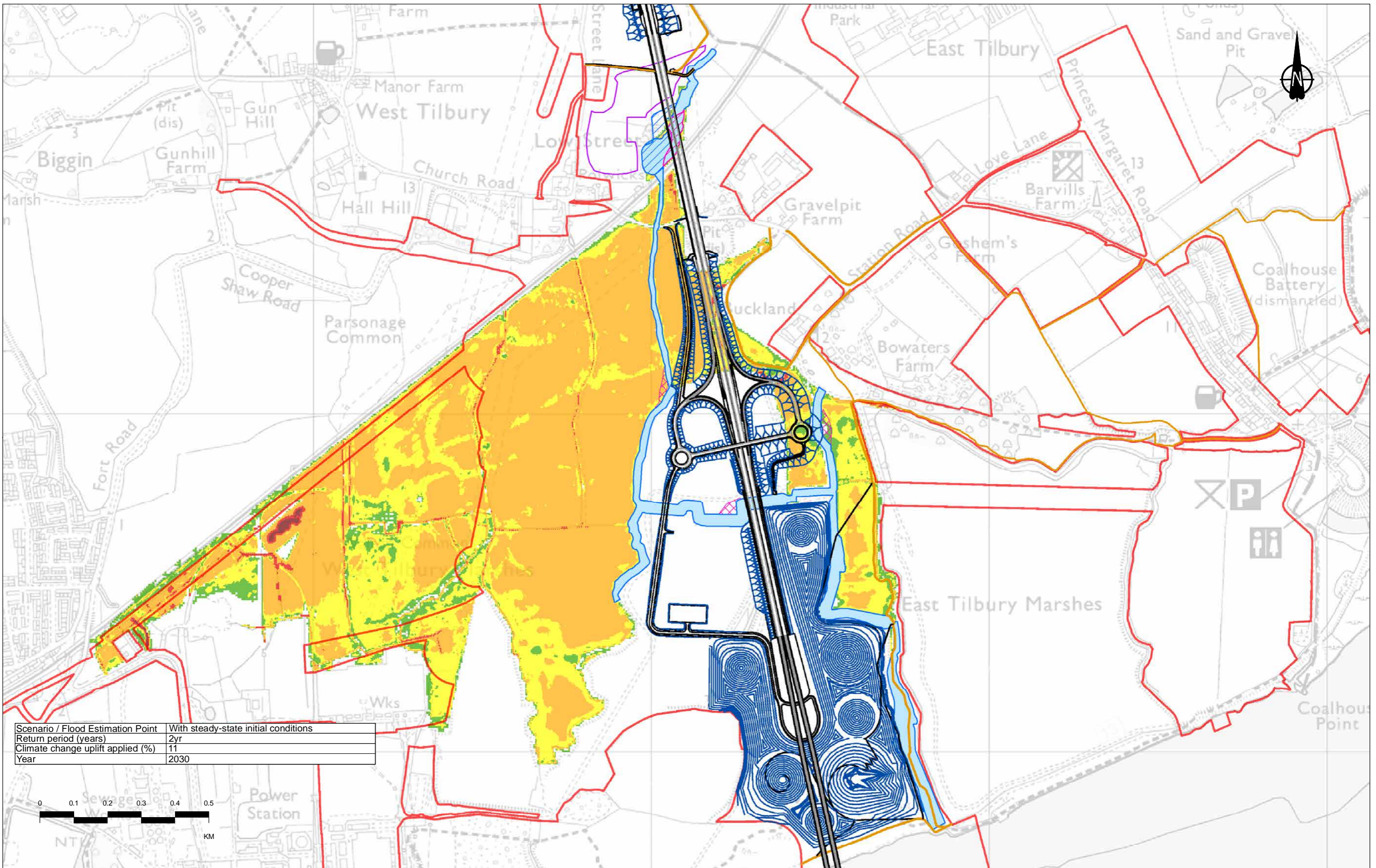
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



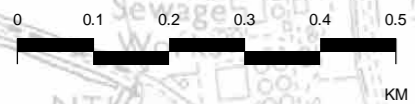
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Pre-development Sheet 1 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00945				

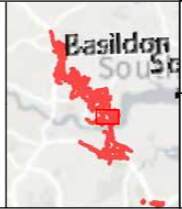


Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	2yr
Climate change uplift applied (%)	11
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

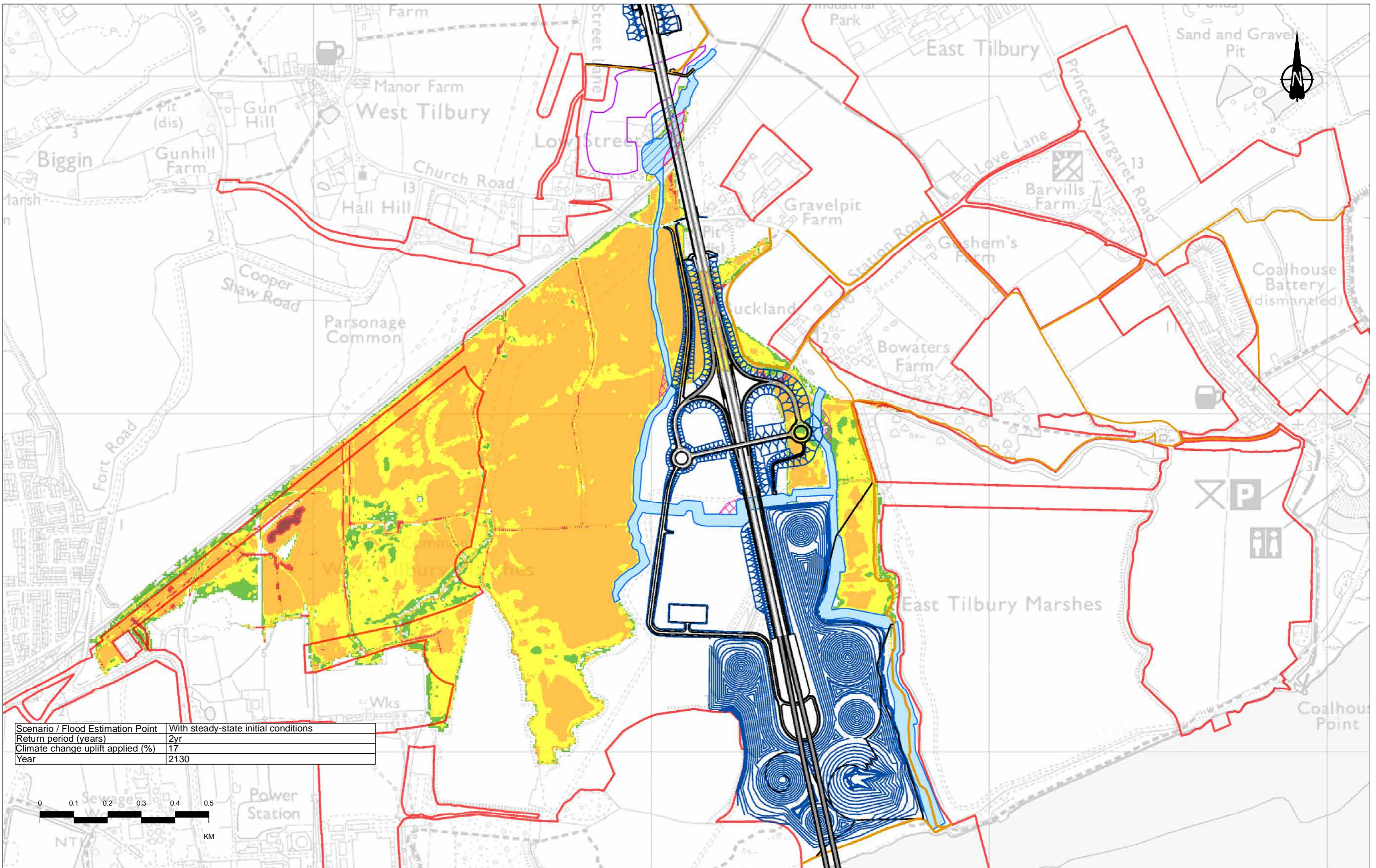
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



Client
national highways

Project
LOWER THAMES CROSSING

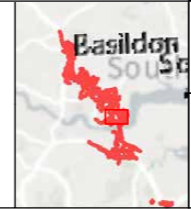
Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Pre-development Sheet 2 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00946				



Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	2yr
Climate change uplift applied (%)	17
Year	2130

Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

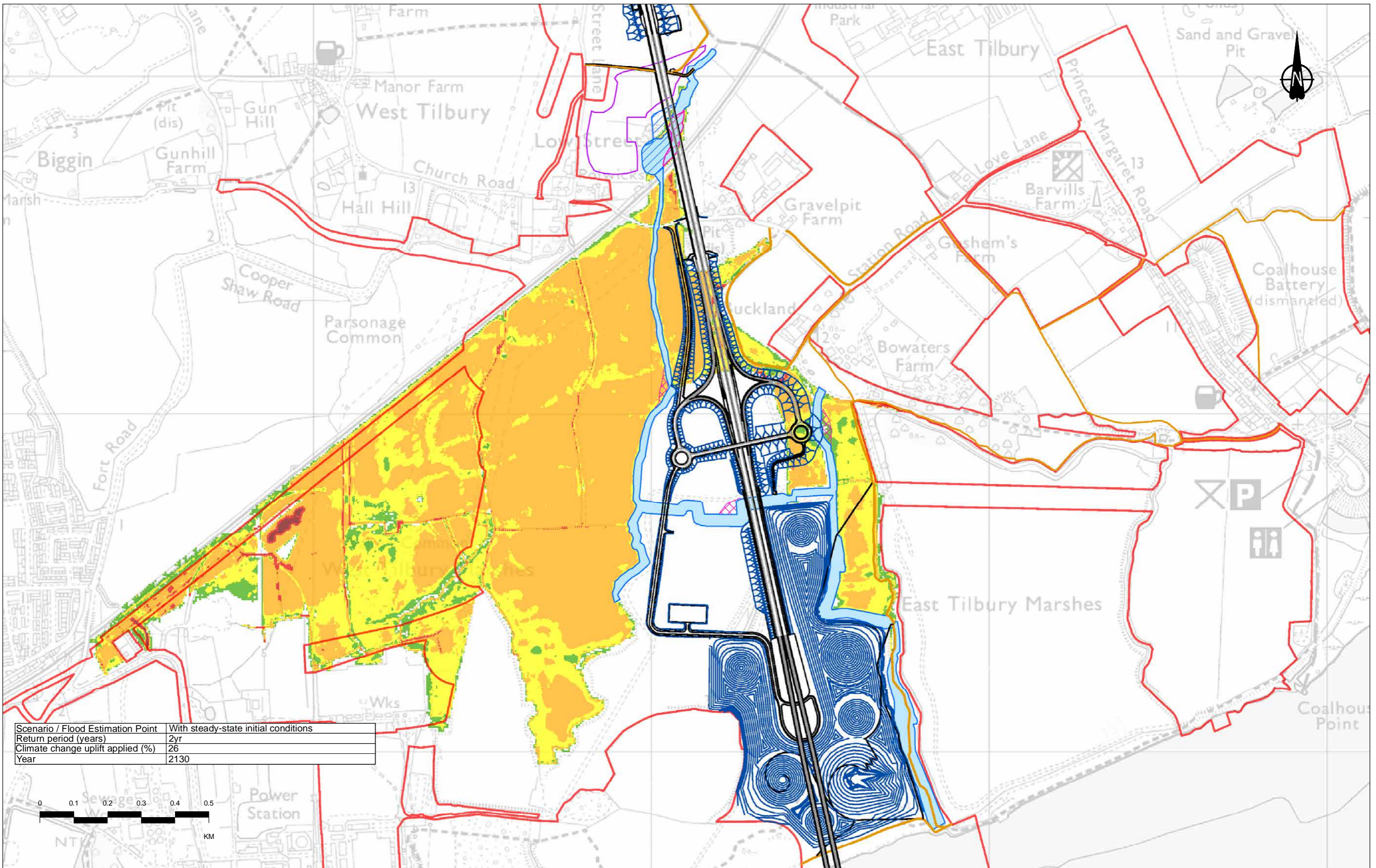
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Pre-development Sheet 3 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00947				

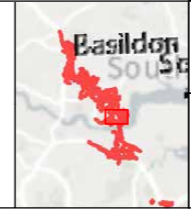


Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	2yr
Climate change uplift applied (%)	26
Year	2130

P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

Legend

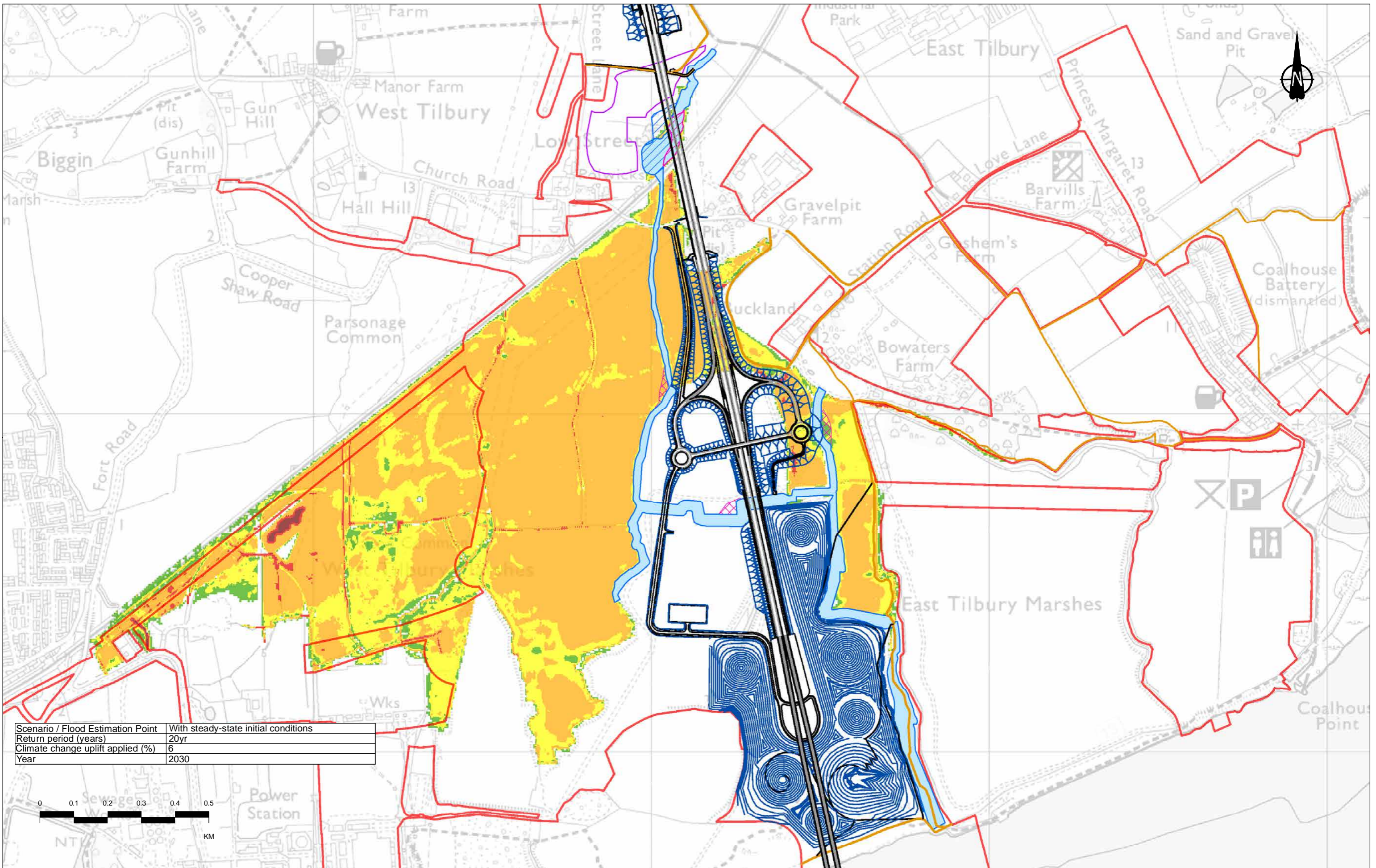
1D Channel	Alignment	Proposed LTC alignment	Maximum flood depth (m)
1D Channel diversions	Earthworks	0 - 0.25	0.25 - 0.5
Compensation storage area	NMU Routes	0.5 - 1.0	1.0 - 2.0
Existing reservoir infilled		> 2.0	
Revised reservoir footprint			
Order Limits			



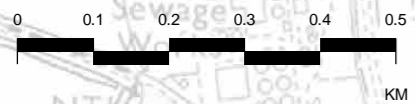
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Pre-development Sheet 4 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00948				



Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	20yr
Climate change uplift applied (%)	6
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

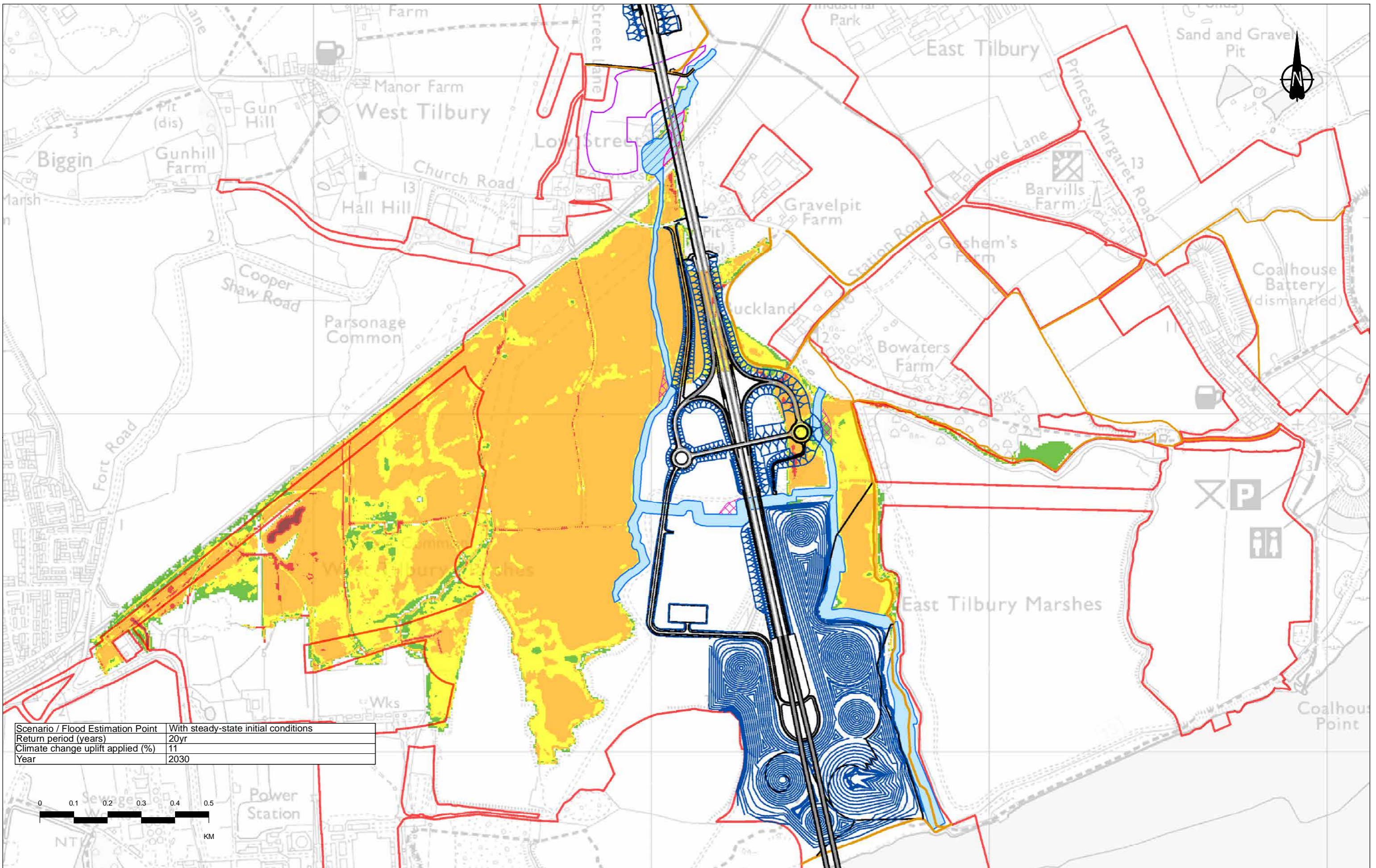
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



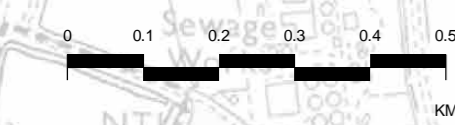
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Pre-development Sheet 5 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00949				

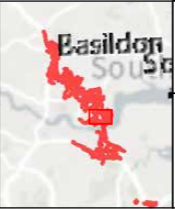


Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	20yr
Climate change uplift applied (%)	11
Year	2030



P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

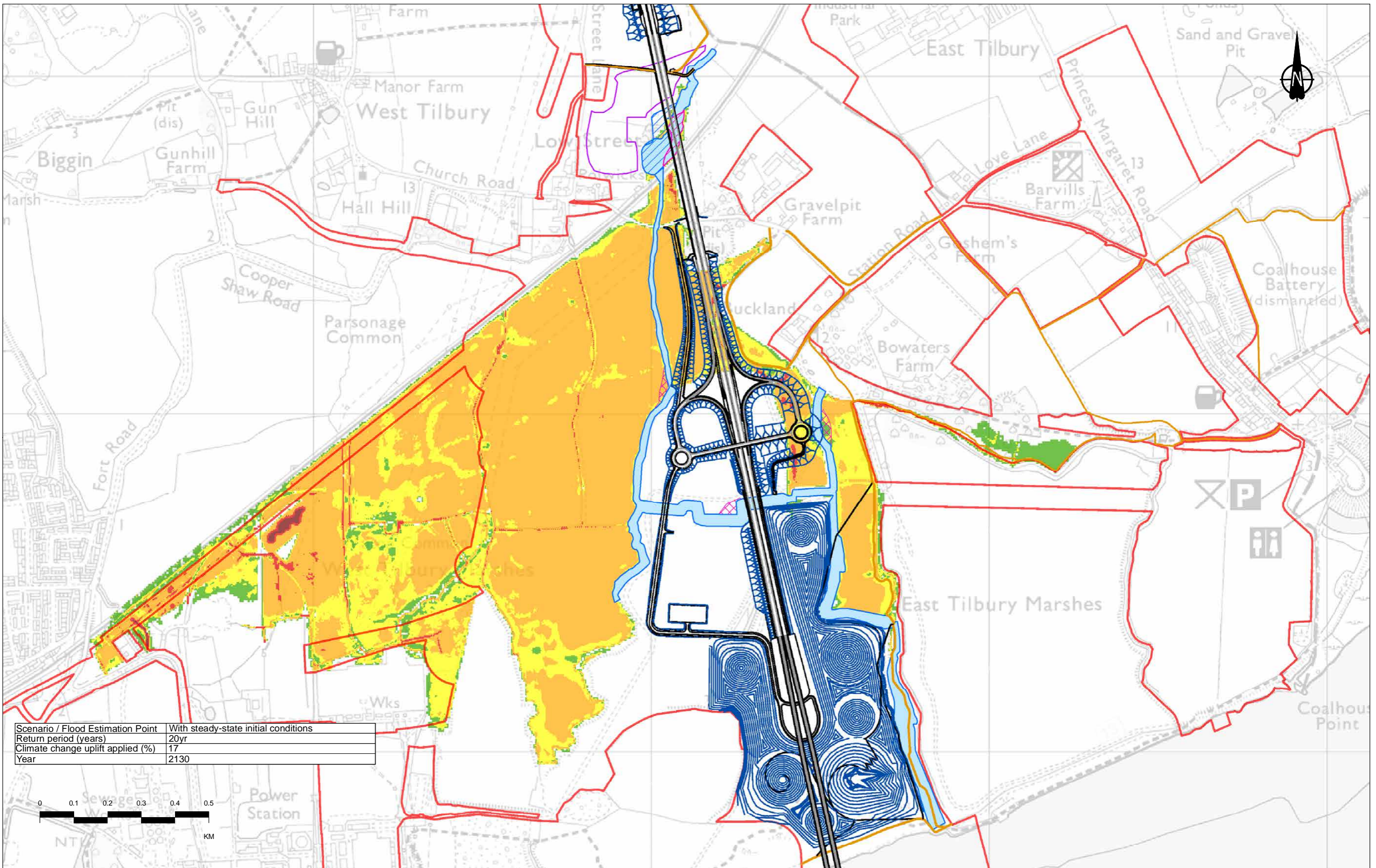
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



Client: national highways

Project: LOWER THAMES CROSSING

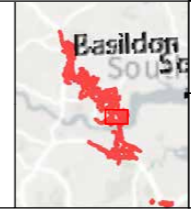
Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Pre-development Sheet 6 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00950				



Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	20yr
Climate change uplift applied (%)	17
Year	2130

Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

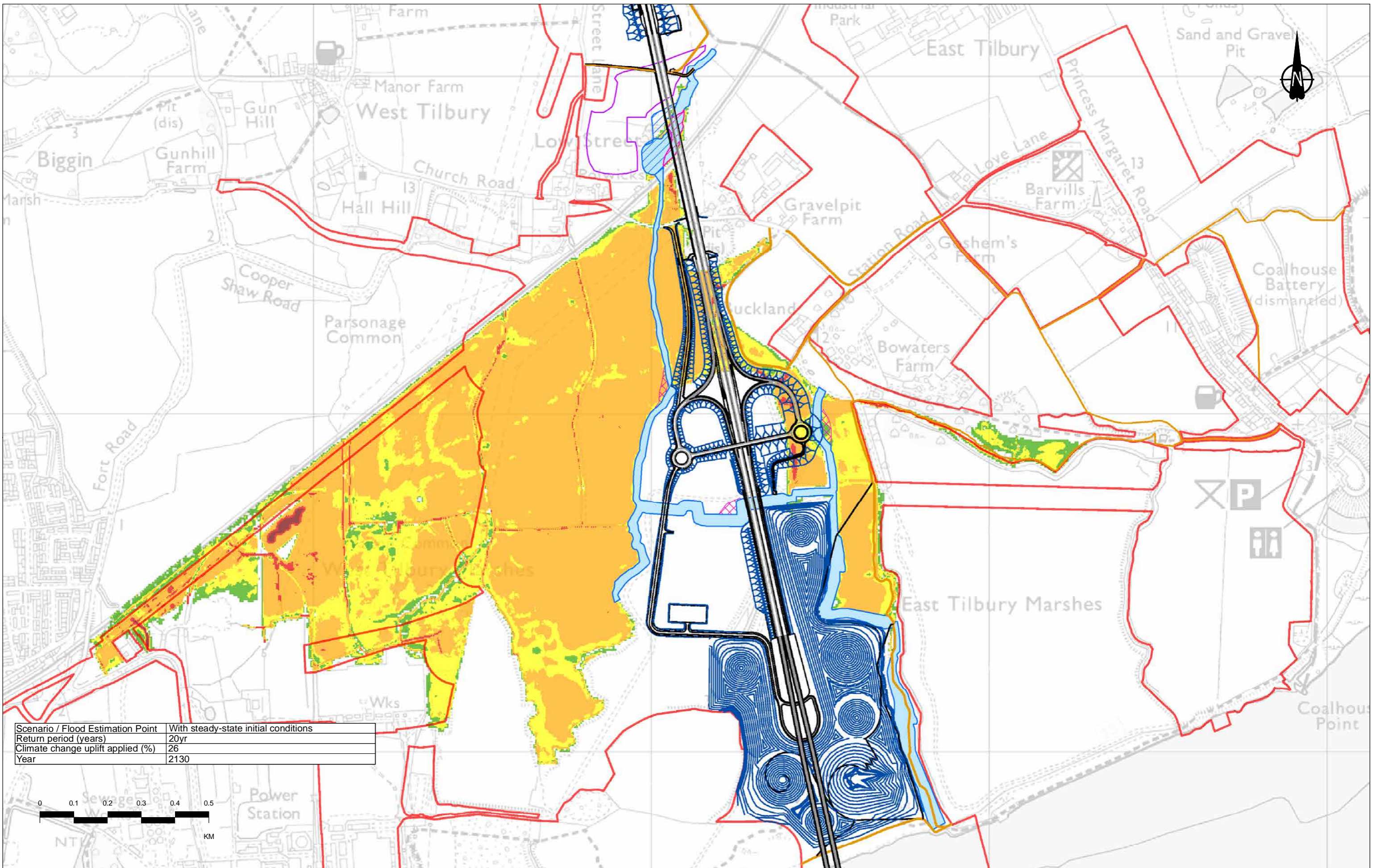
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



Client:

Project: LOWER THAMES CROSSING

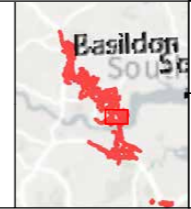
Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Pre-development Sheet 7 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00951				



Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	20yr
Climate change uplift applied (%)	26
Year	2130

P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

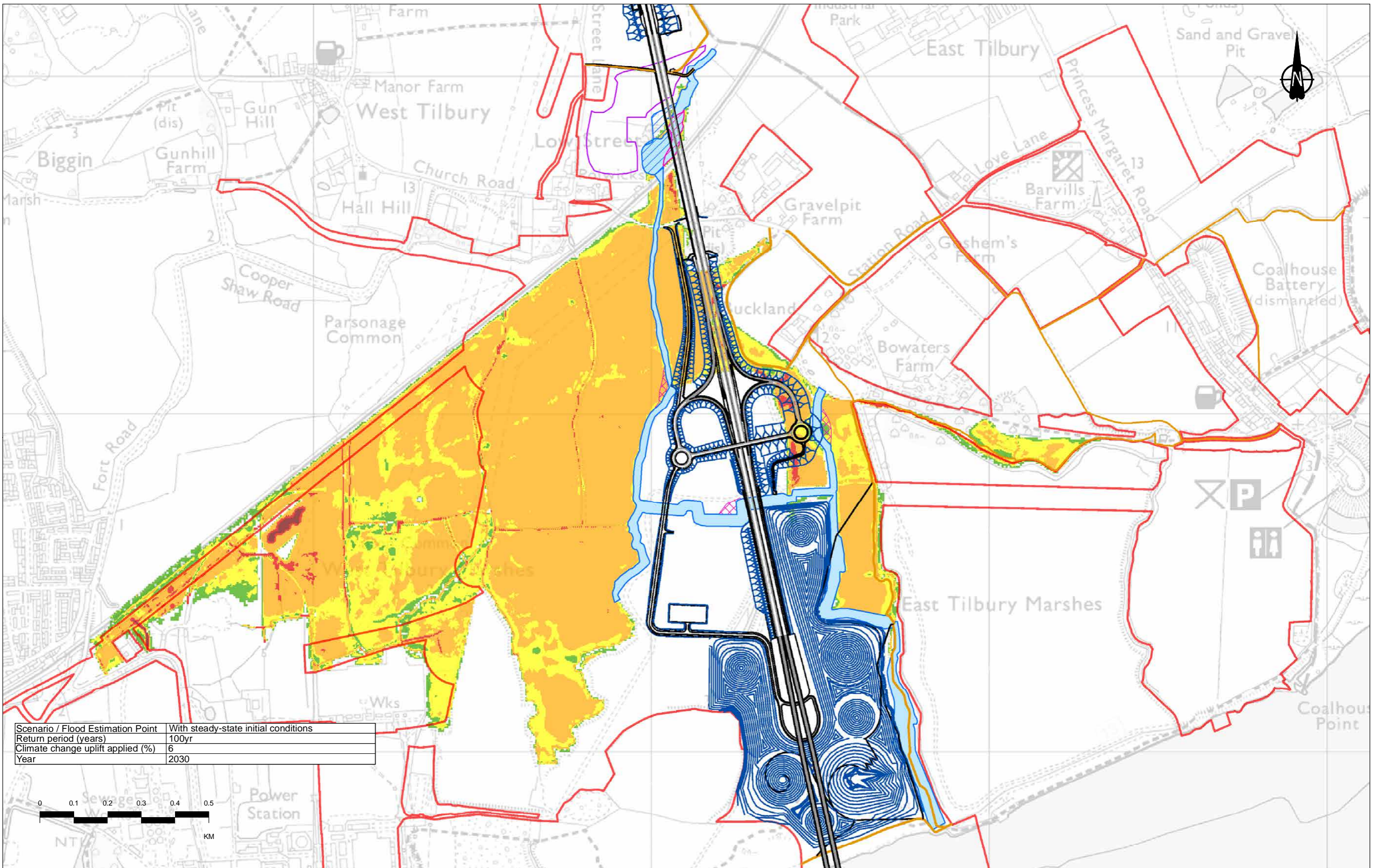
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



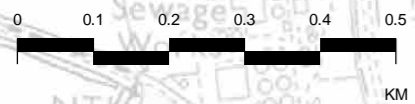
Client:

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Pre-development Sheet 8 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00952				



Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	100yr
Climate change uplift applied (%)	6
Year	2030



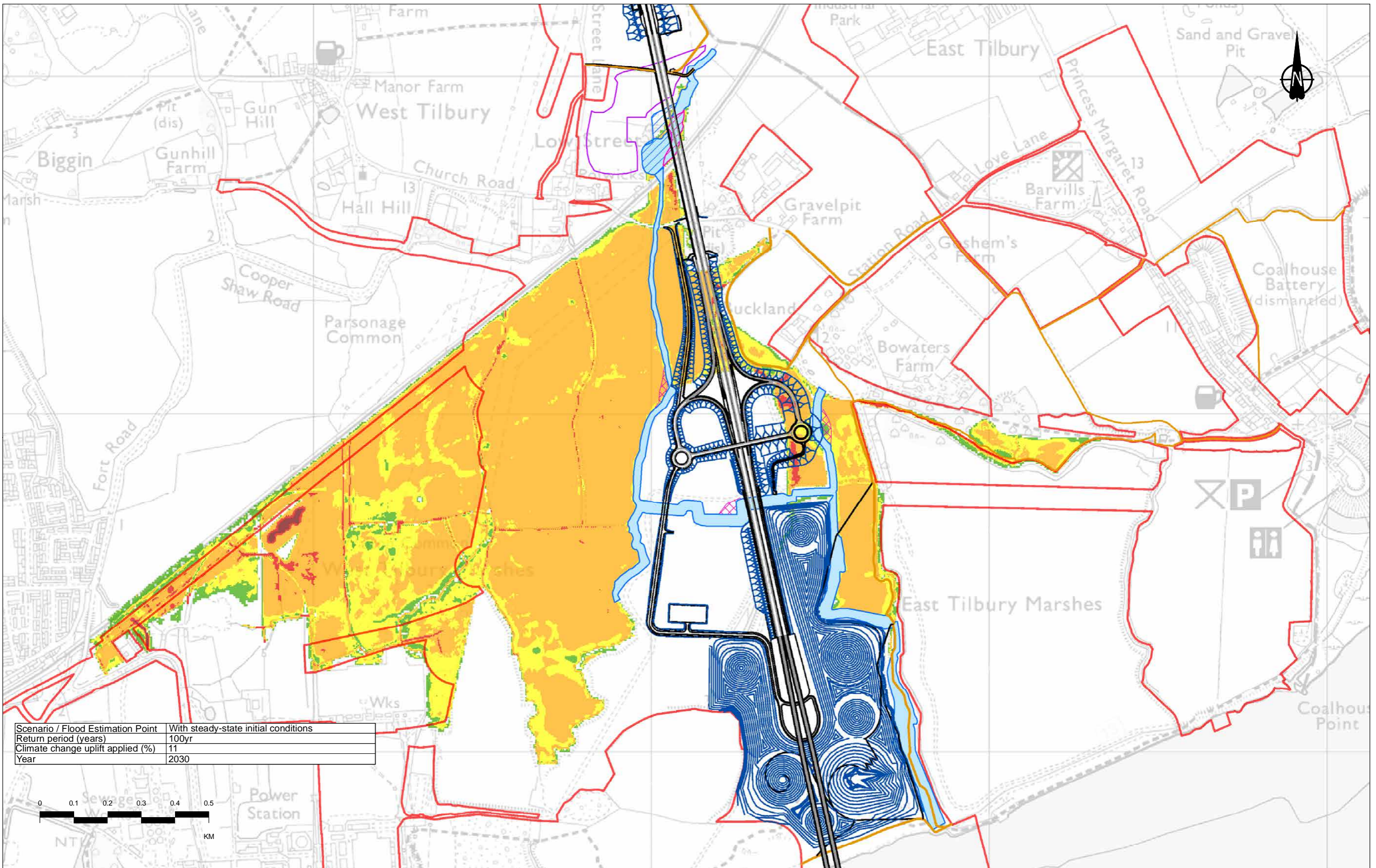
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				

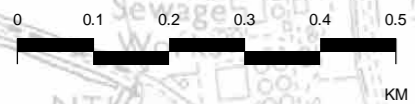


LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Pre-development Sheet 9 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00953				



Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	100yr
Climate change uplift applied (%)	11
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

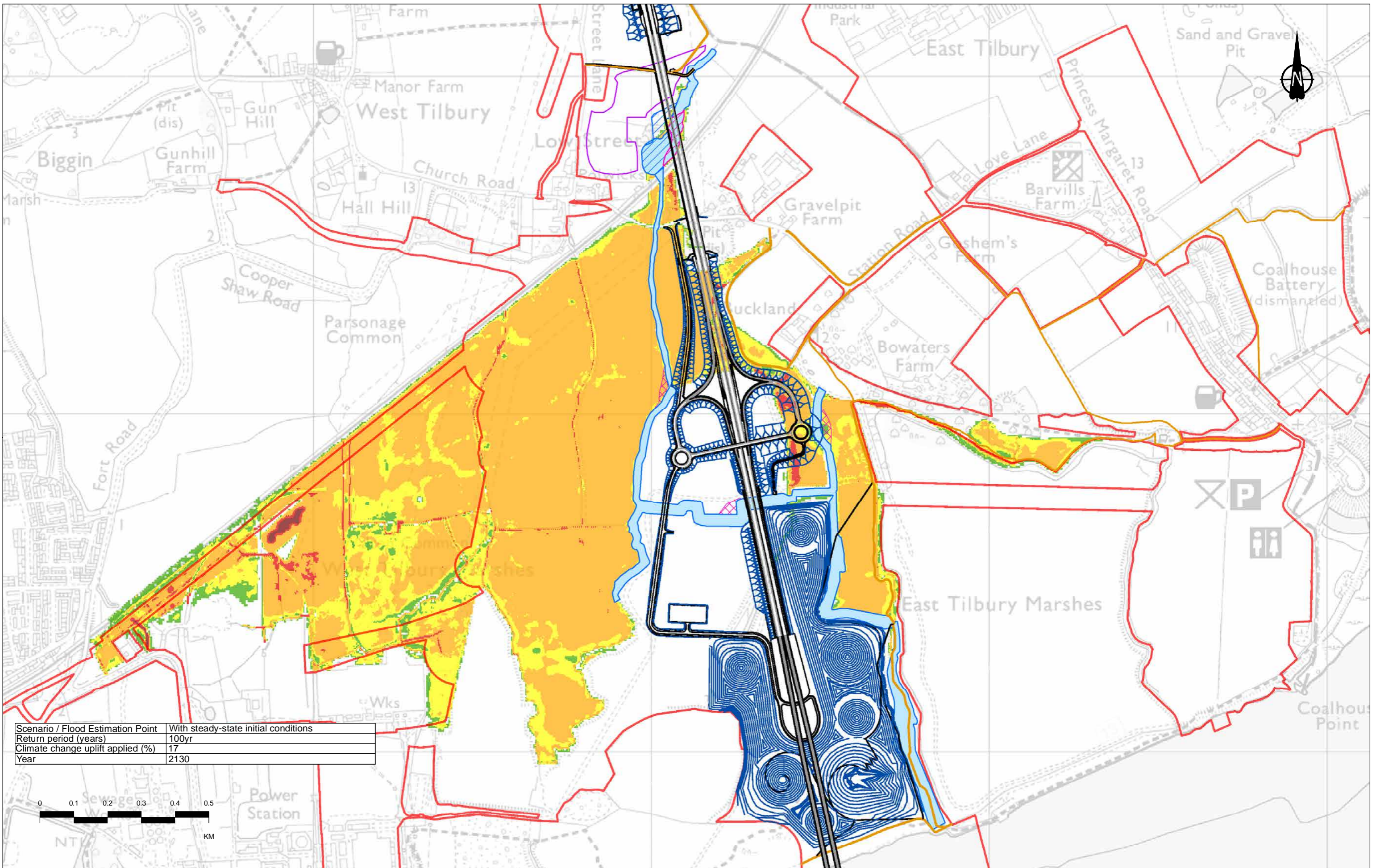
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



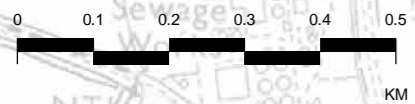
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Pre-development Sheet 10 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00954				

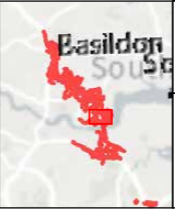


Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	100yr
Climate change uplift applied (%)	17
Year	2130



P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

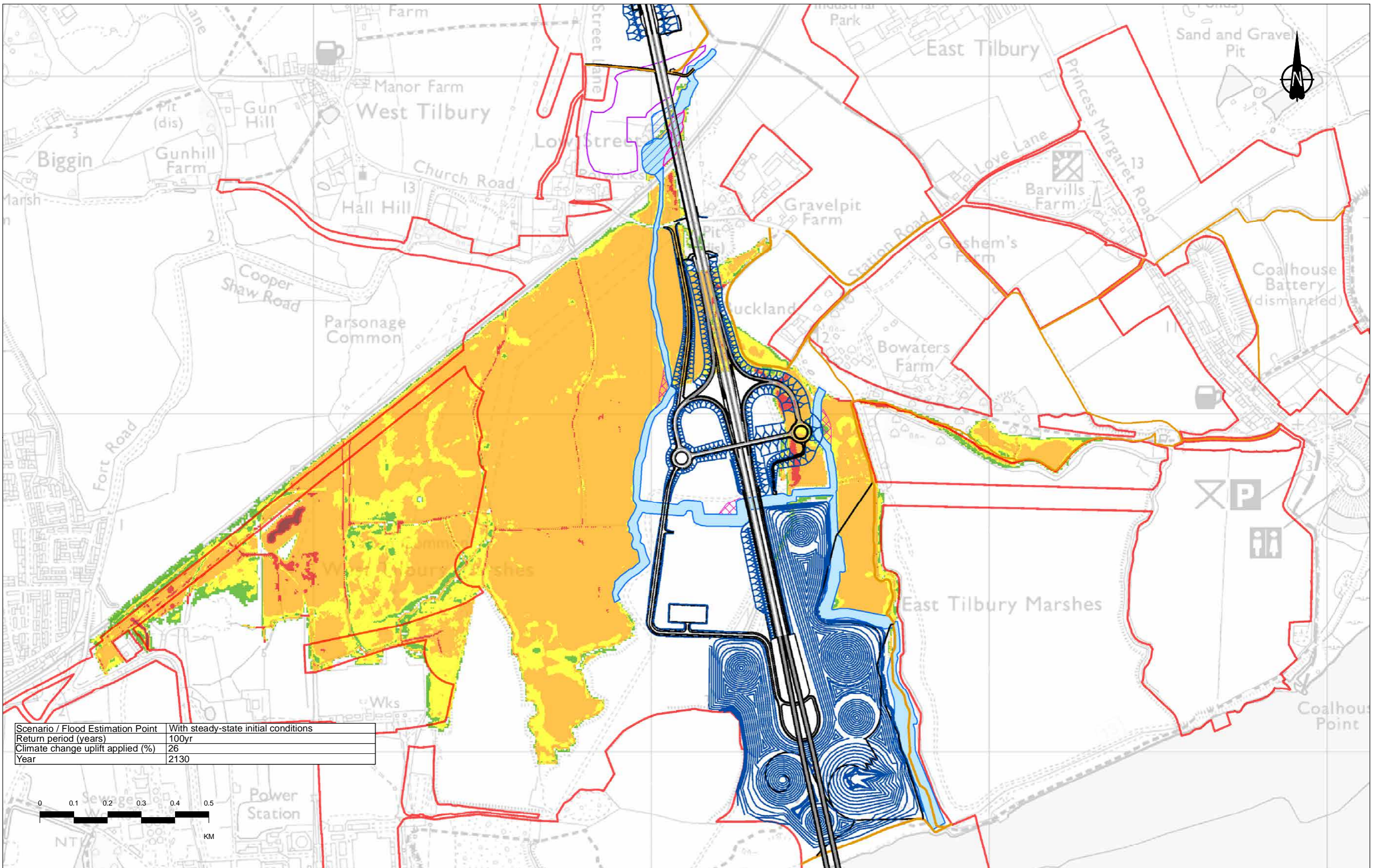
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



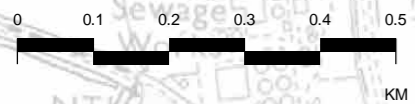
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Pre-development Sheet 11 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00955				



Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	100yr
Climate change uplift applied (%)	26
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

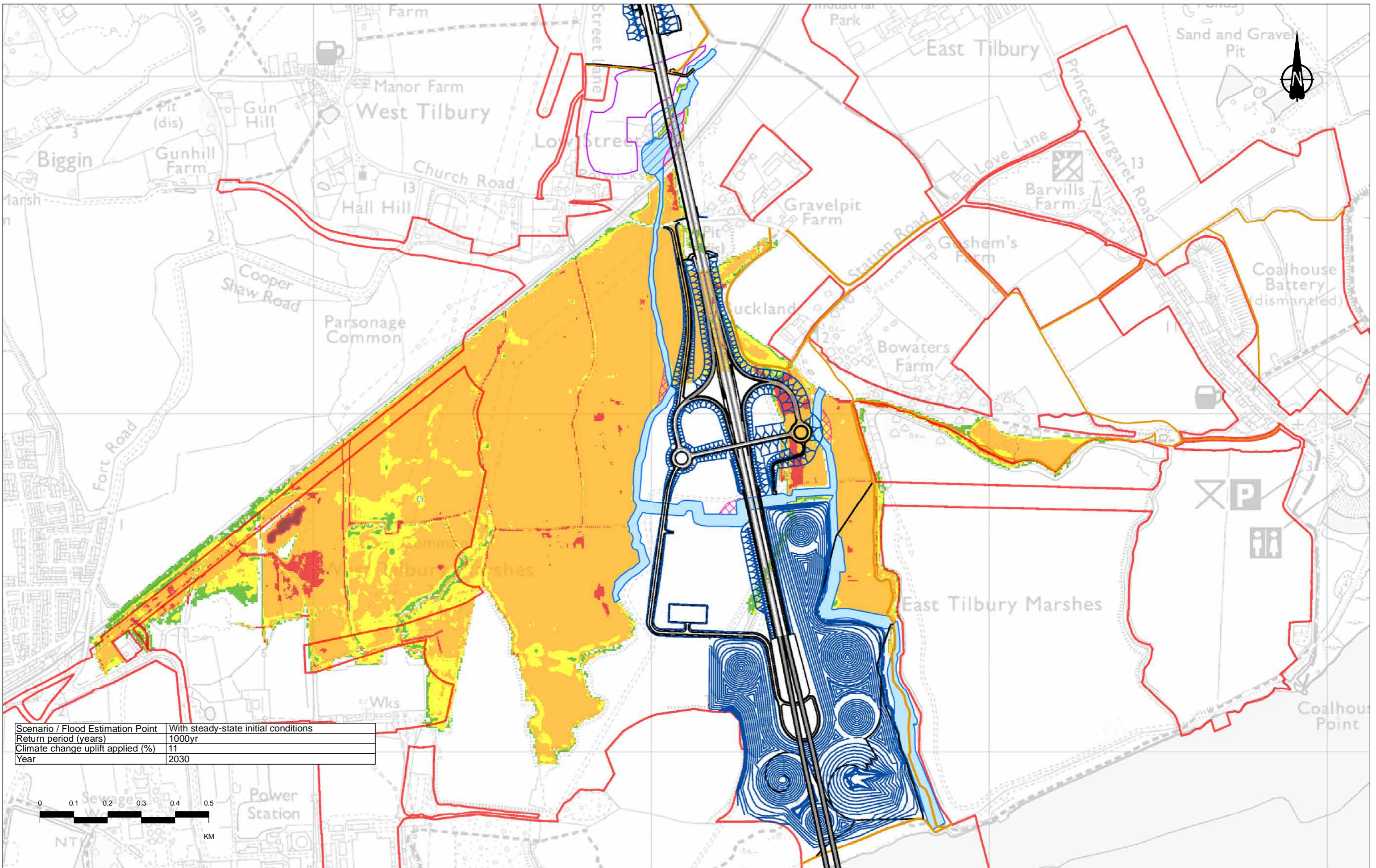
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Pre-development Sheet 12 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00956				



Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	1000yr
Climate change uplift applied (%)	11
Year	2030

P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

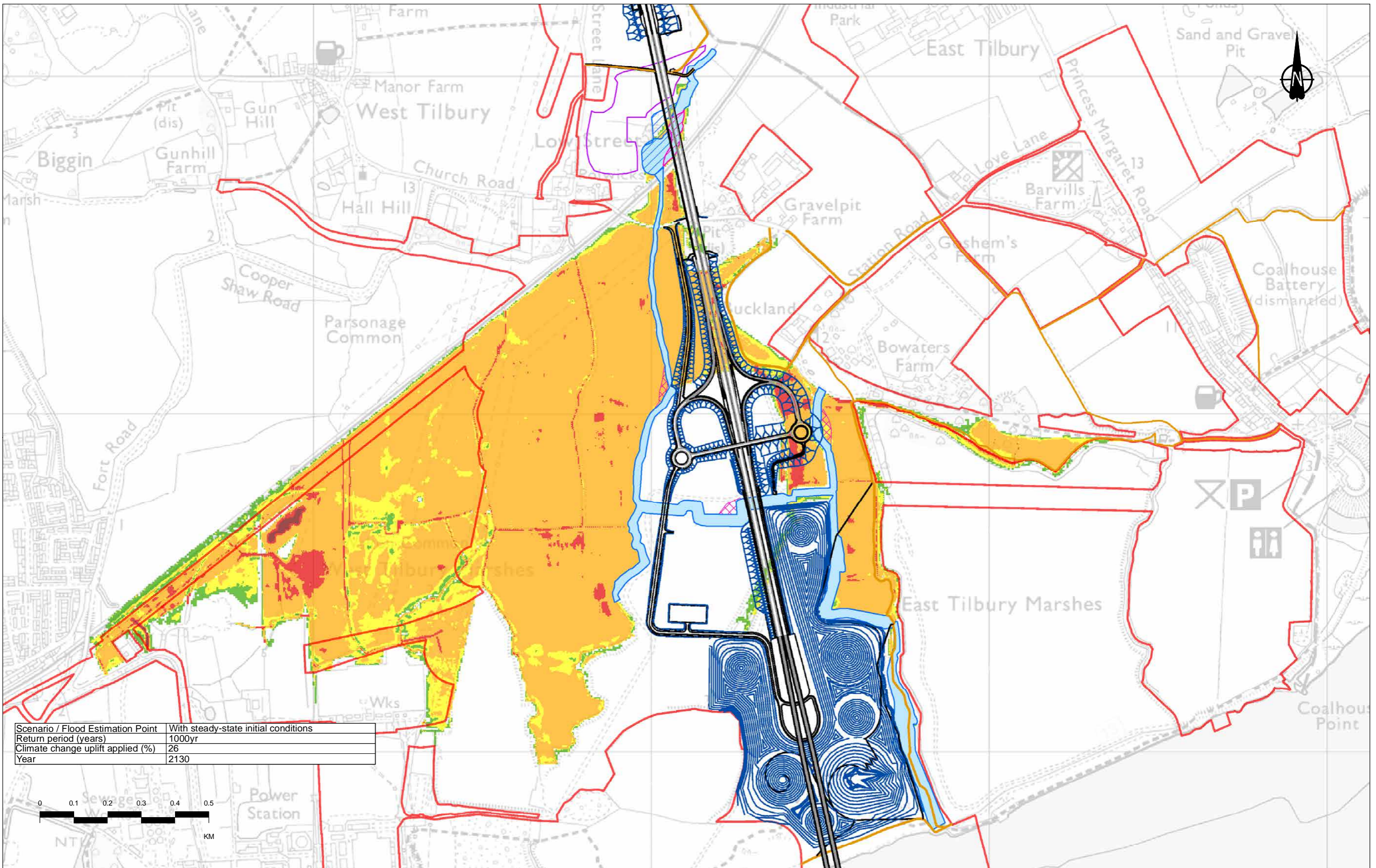
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Pre-development Sheet 13 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00957				

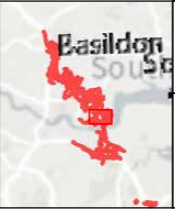


Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	1000yr
Climate change uplift applied (%)	26
Year	2130

Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

Legend

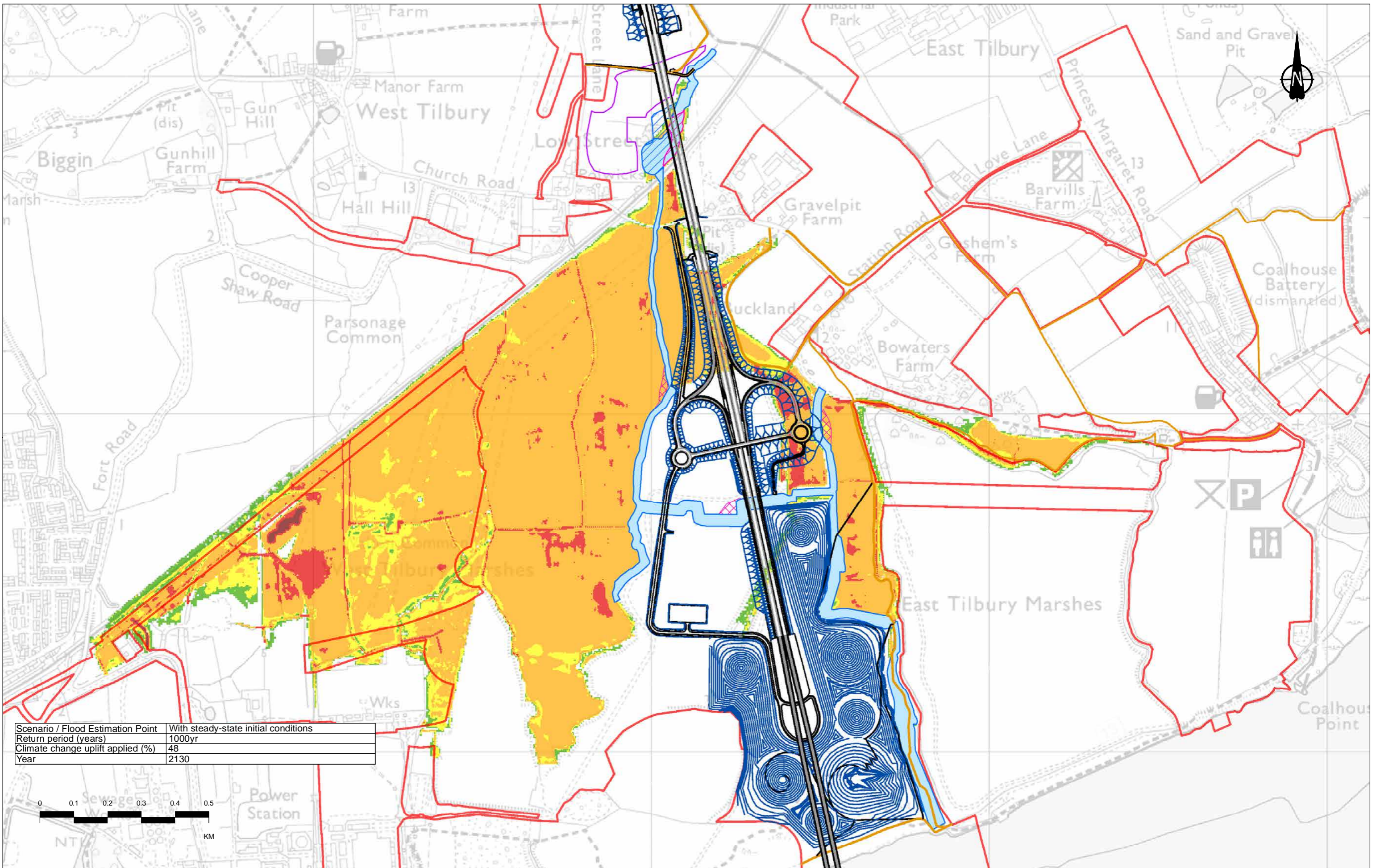
1D Channel	Alignment	Proposed LTC alignment Maximum flood depth (m)	0 - 0.25
1D Channel diversions	Earthworks		0.25 - 0.5
Compensation storage area	NMU Routes		0.5 - 1.0
Existing reservoir infilled			1.0 - 2.0
Revised reservoir footprint			> 2.0
Order Limits			



Client: **national highways**

Project: **LOWER THAMES CROSSING**

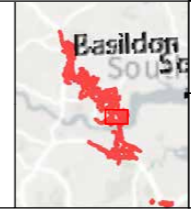
Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Pre-development Sheet 14 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00958				



Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	1000yr
Climate change uplift applied (%)	48
Year	2130

Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

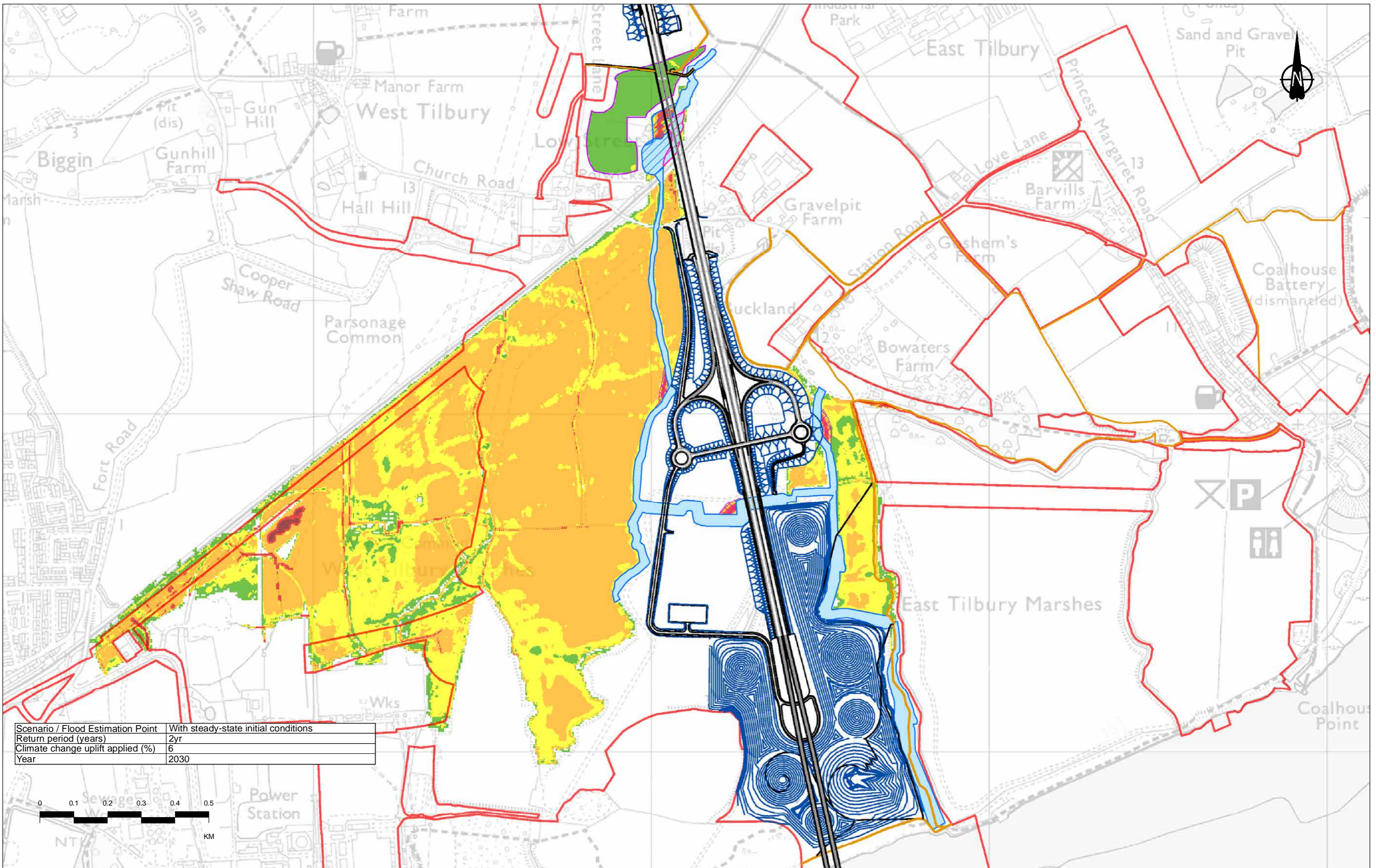
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Pre-development Sheet 15 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00959				



Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	2yr
Climate change uplift applied (%)	6
Year	2030

P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

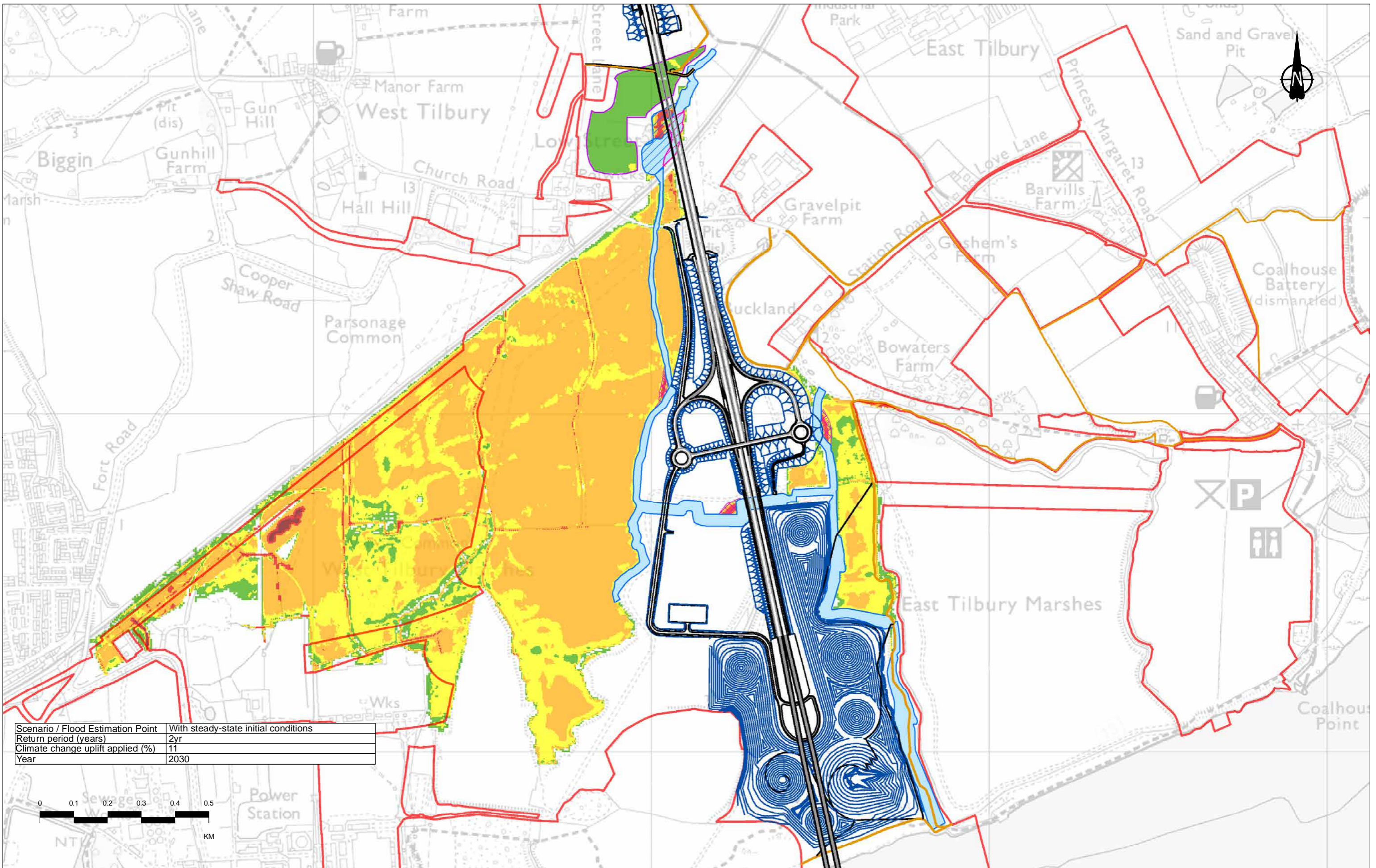
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



Client: **national highways**

Project: **LOWER THAMES CROSSING**

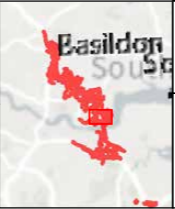
Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (with mitigation) Sheet 1 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00960				



Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	2yr
Climate change uplift applied (%)	11
Year	2030

P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

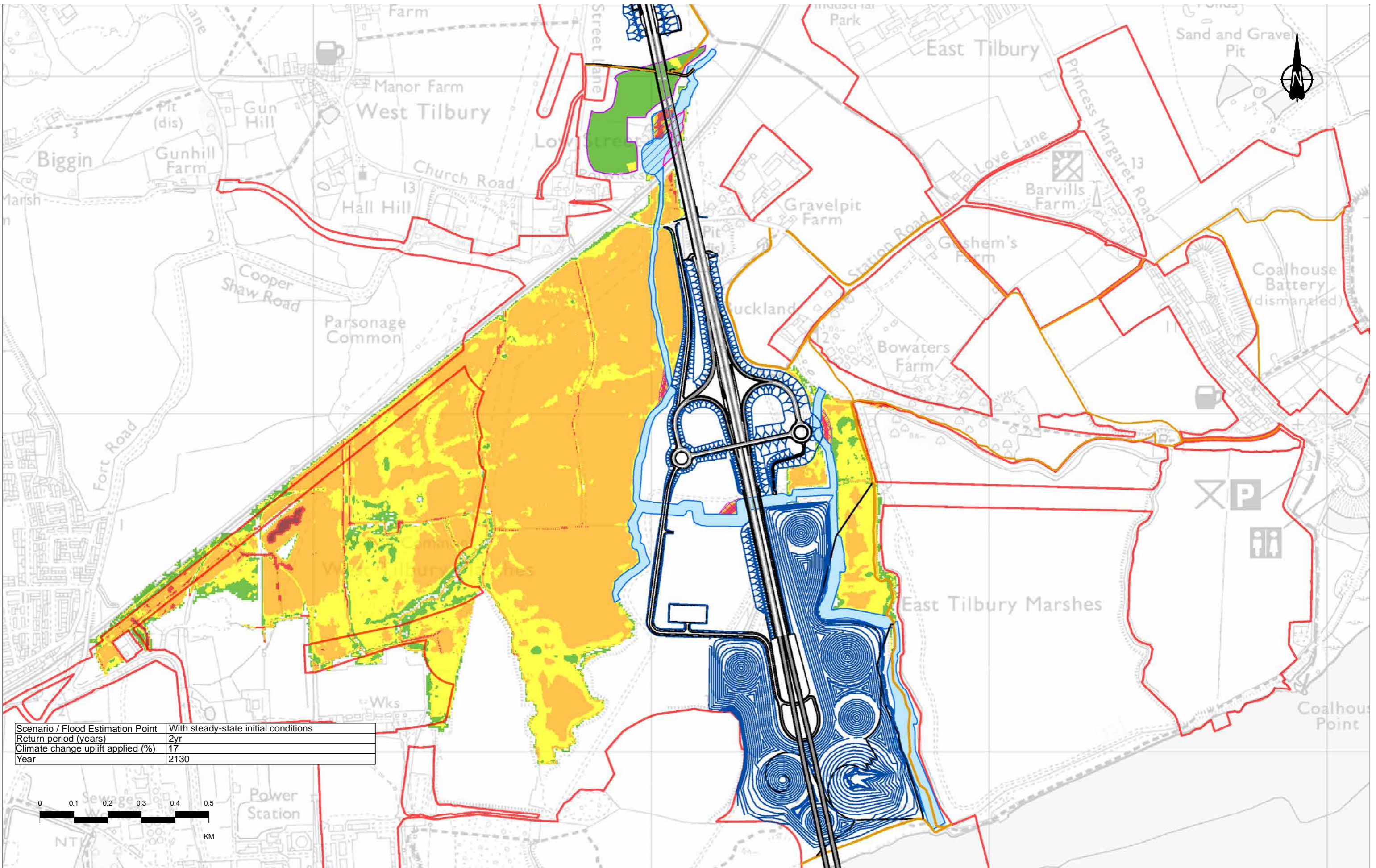
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (with mitigation) Sheet 2 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00961				



Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	2yr
Climate change uplift applied (%)	17
Year	2130

P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

Legend

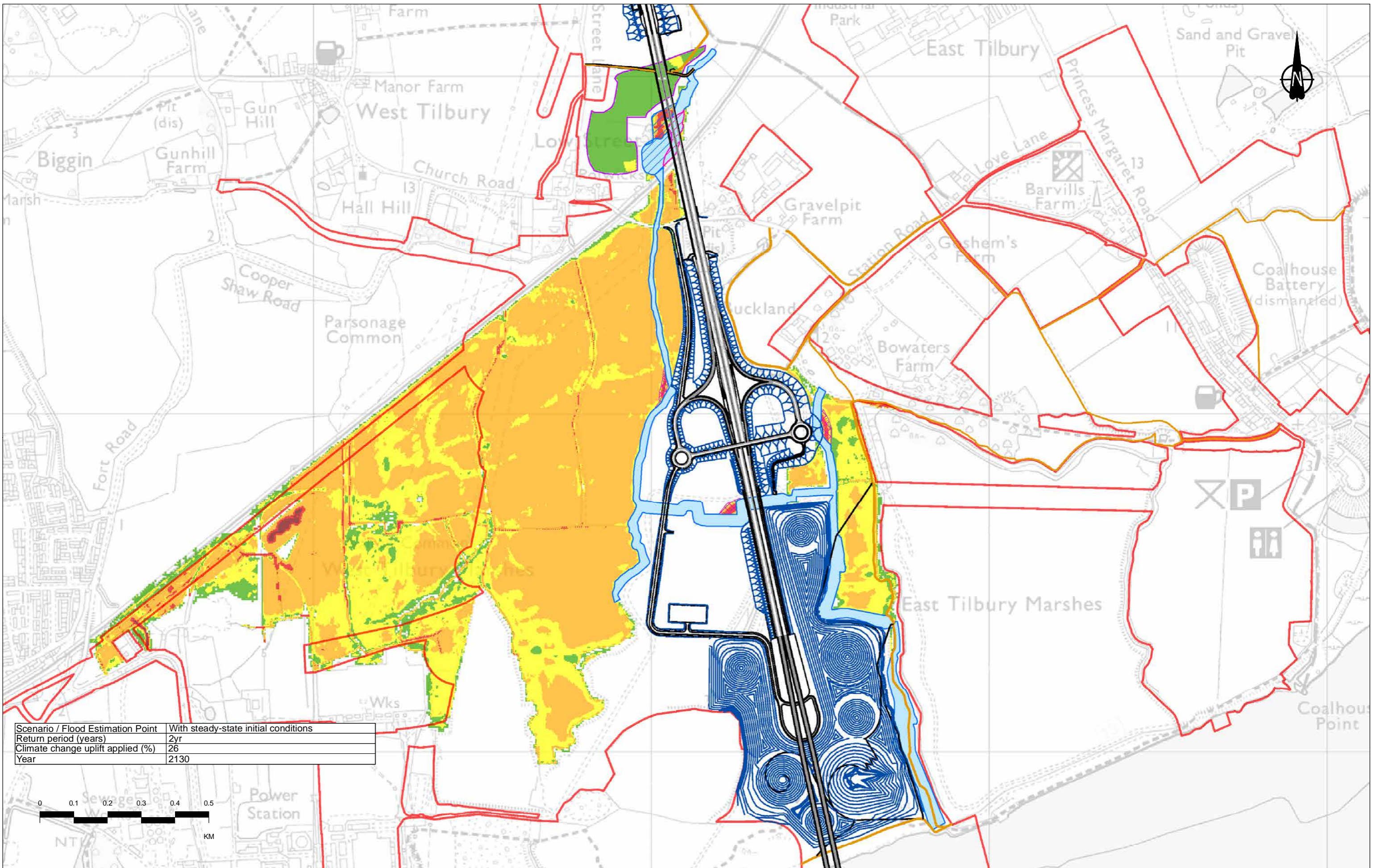
1D Channel	Alignment	Proposed LTC alignment Maximum flood depth (m)	0 - 0.25
1D Channel diversions	Earthworks		0.25 - 0.5
Compensation storage area	NMU Routes		0.5 - 1.0
Existing reservoir infilled			1.0 - 2.0
Revised reservoir footprint			> 2.0
Order Limits			



Client: **national highways**

Project: **LOWER THAMES CROSSING**

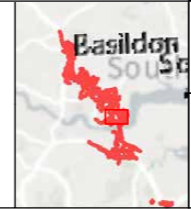
Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (with mitigation) Sheet 3 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00962				



Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	2yr
Climate change uplift applied (%)	26
Year	2130

P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

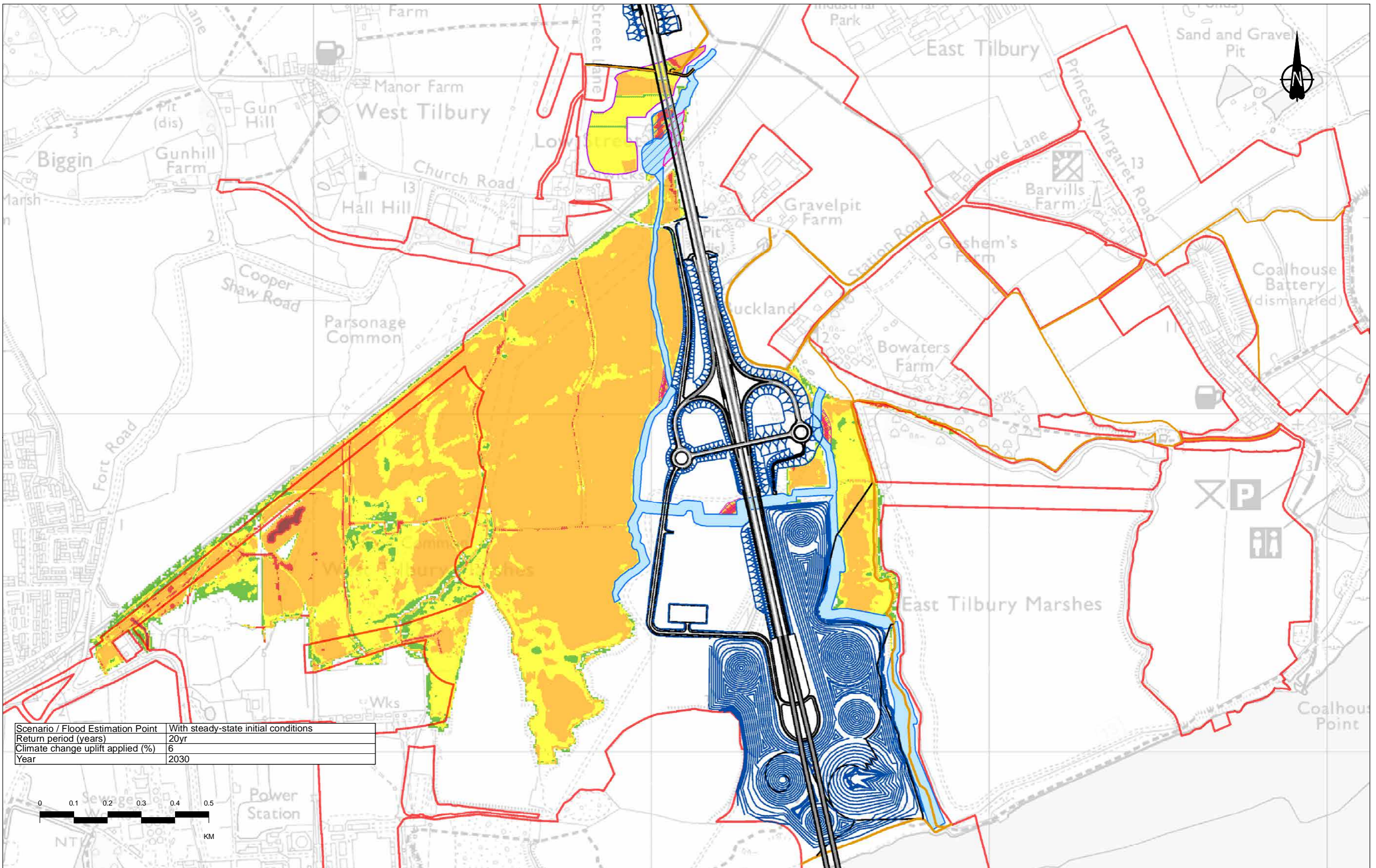
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



Client:

Project: LOWER THAMES CROSSING

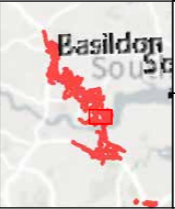
Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (with mitigation) Sheet 4 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00963				



Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	20yr
Climate change uplift applied (%)	6
Year	2030

P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

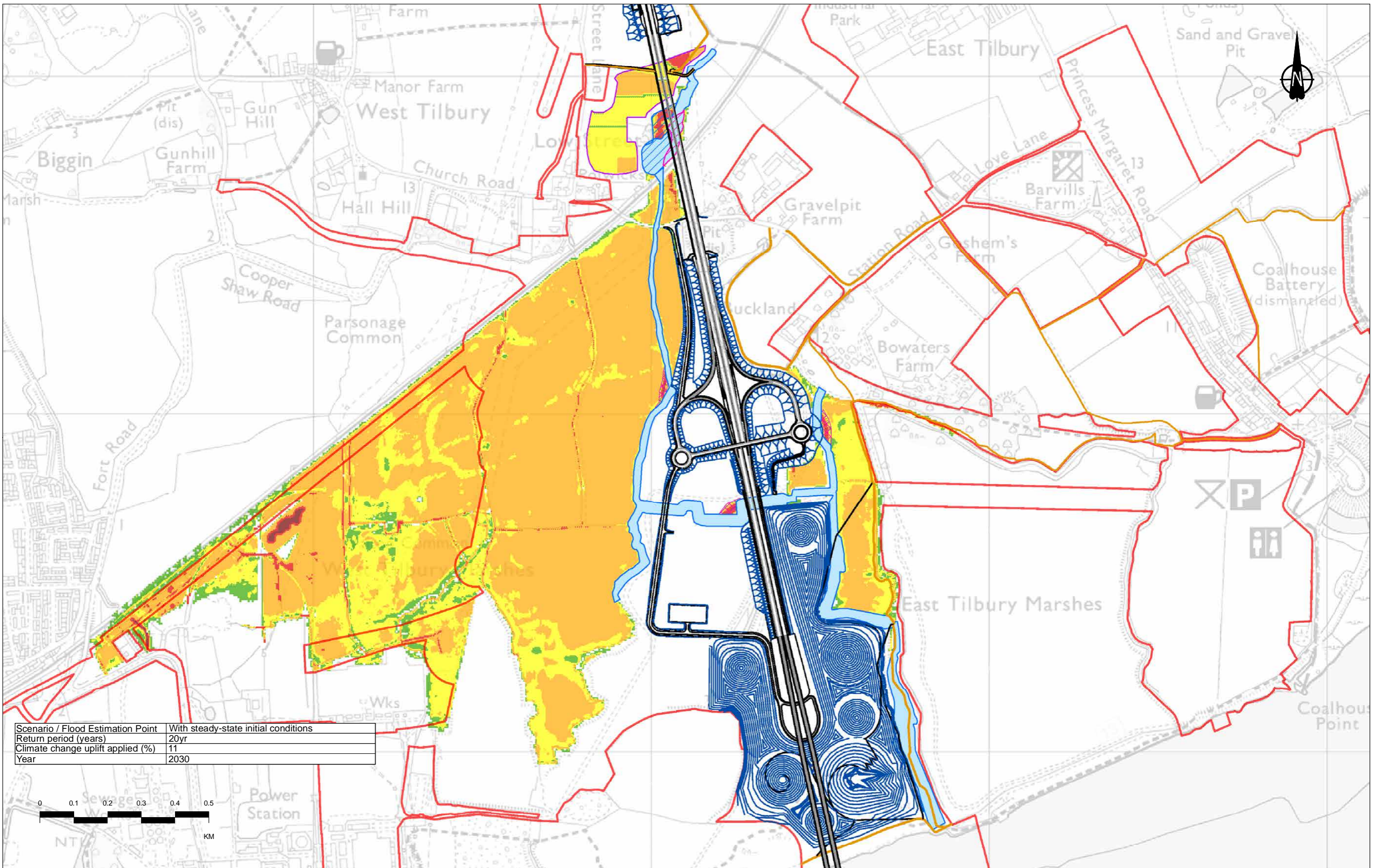
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



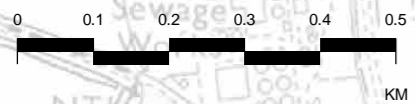
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (with mitigation) Sheet 5 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00964				



Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	20yr
Climate change uplift applied (%)	11
Year	2030



P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

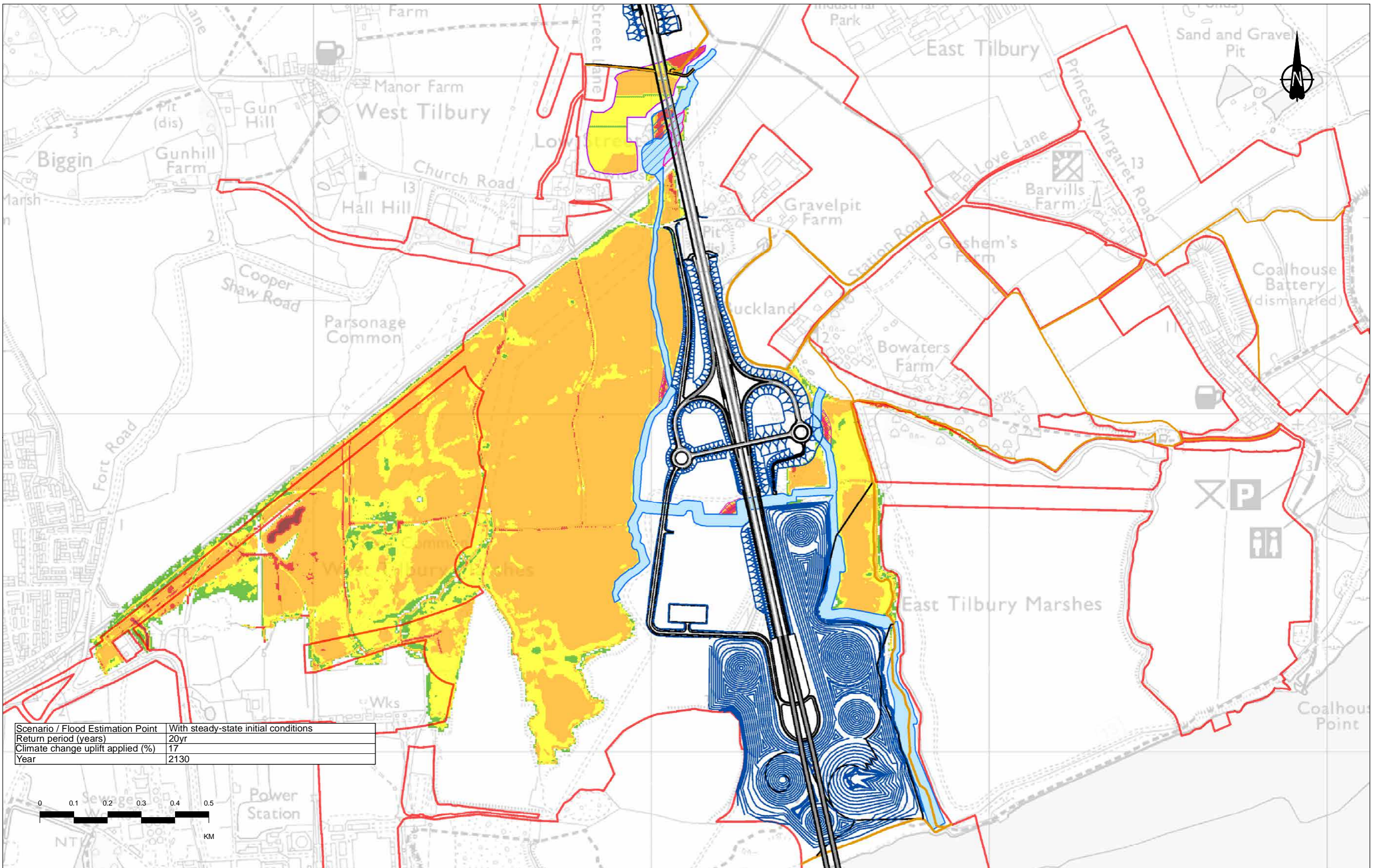
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



Client: national highways

Project: LOWER THAMES CROSSING

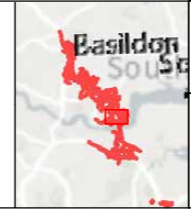
Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (with mitigation) Sheet 6 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00965				



Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	20yr
Climate change uplift applied (%)	17
Year	2130

P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

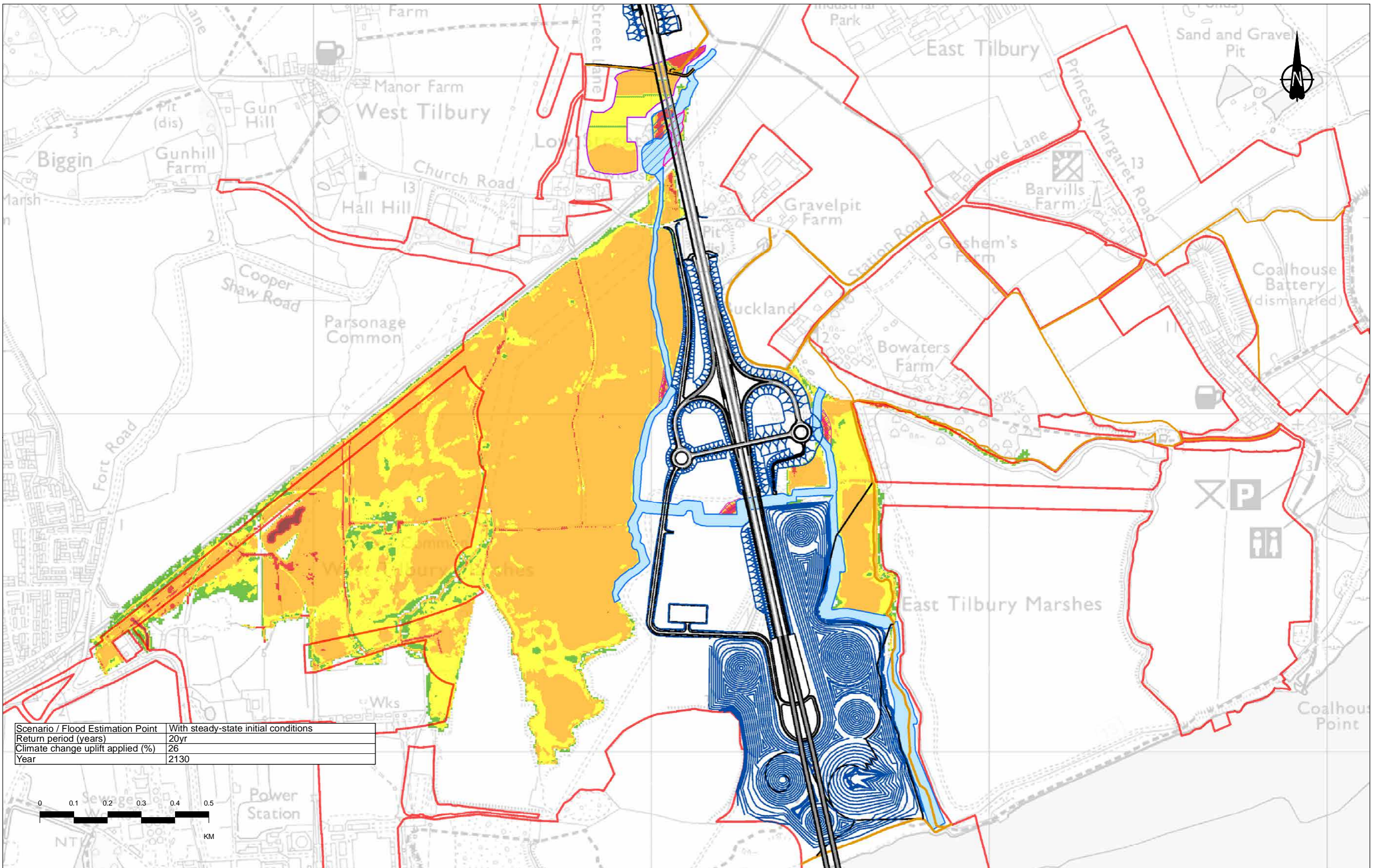
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



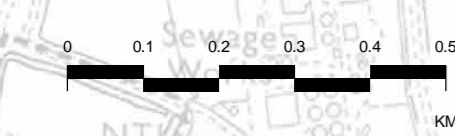
Client:

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (with mitigation) Sheet 7 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00966				



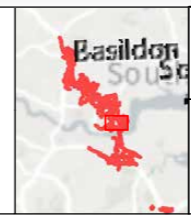
Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	20yr
Climate change uplift applied (%)	26
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

Legend

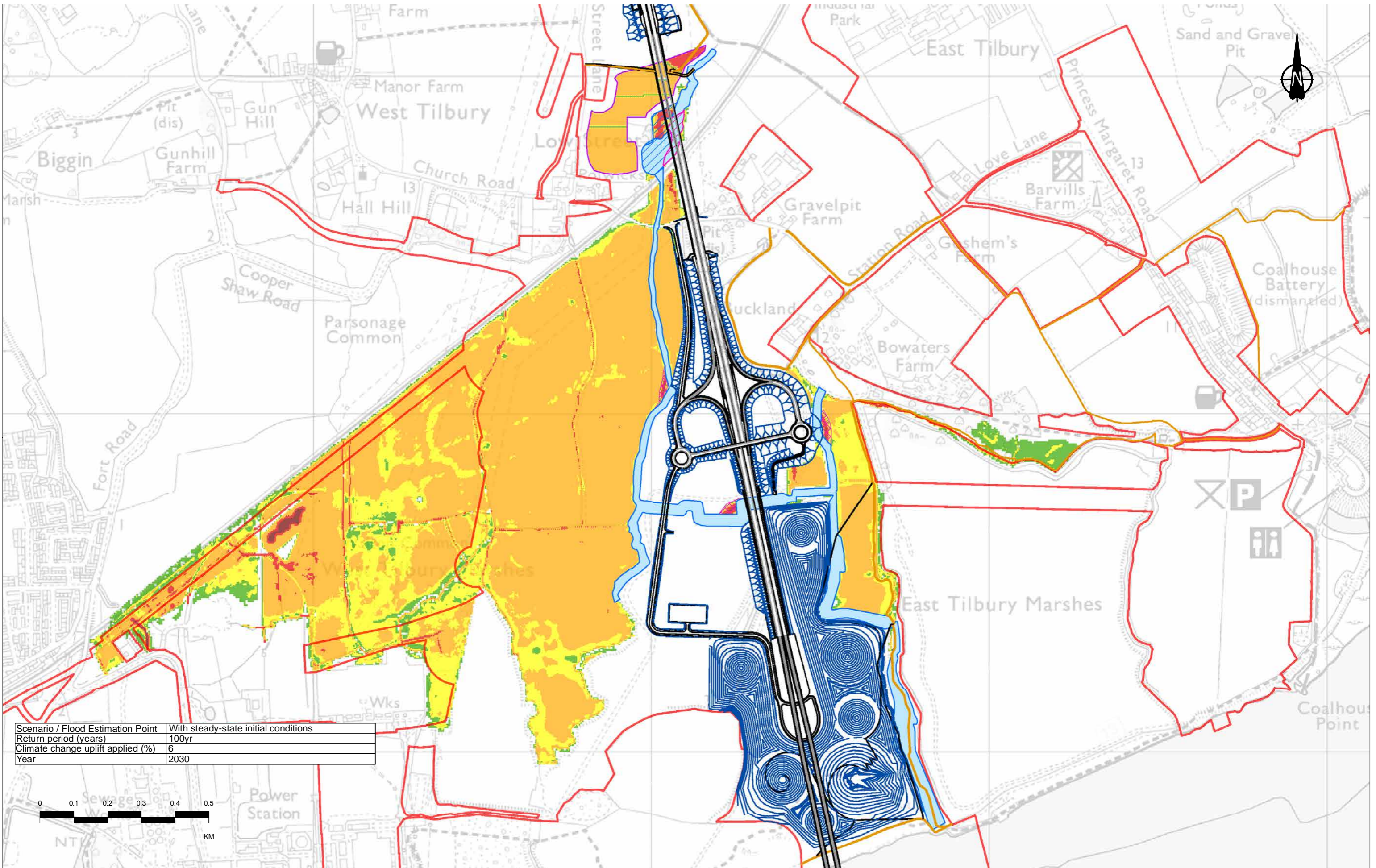
1D Channel	Alignment	Proposed LTC alignment	Maximum flood depth (m)
1D Channel diversions	Earthworks	NMU Routes	0 - 0.25
Compensation storage area	Existing reservoir infilled	Revised reservoir footprint	0.25 - 0.5
Order Limits			0.5 - 1.0
			1.0 - 2.0
			> 2.0



Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (with mitigation) Sheet 8 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00967				



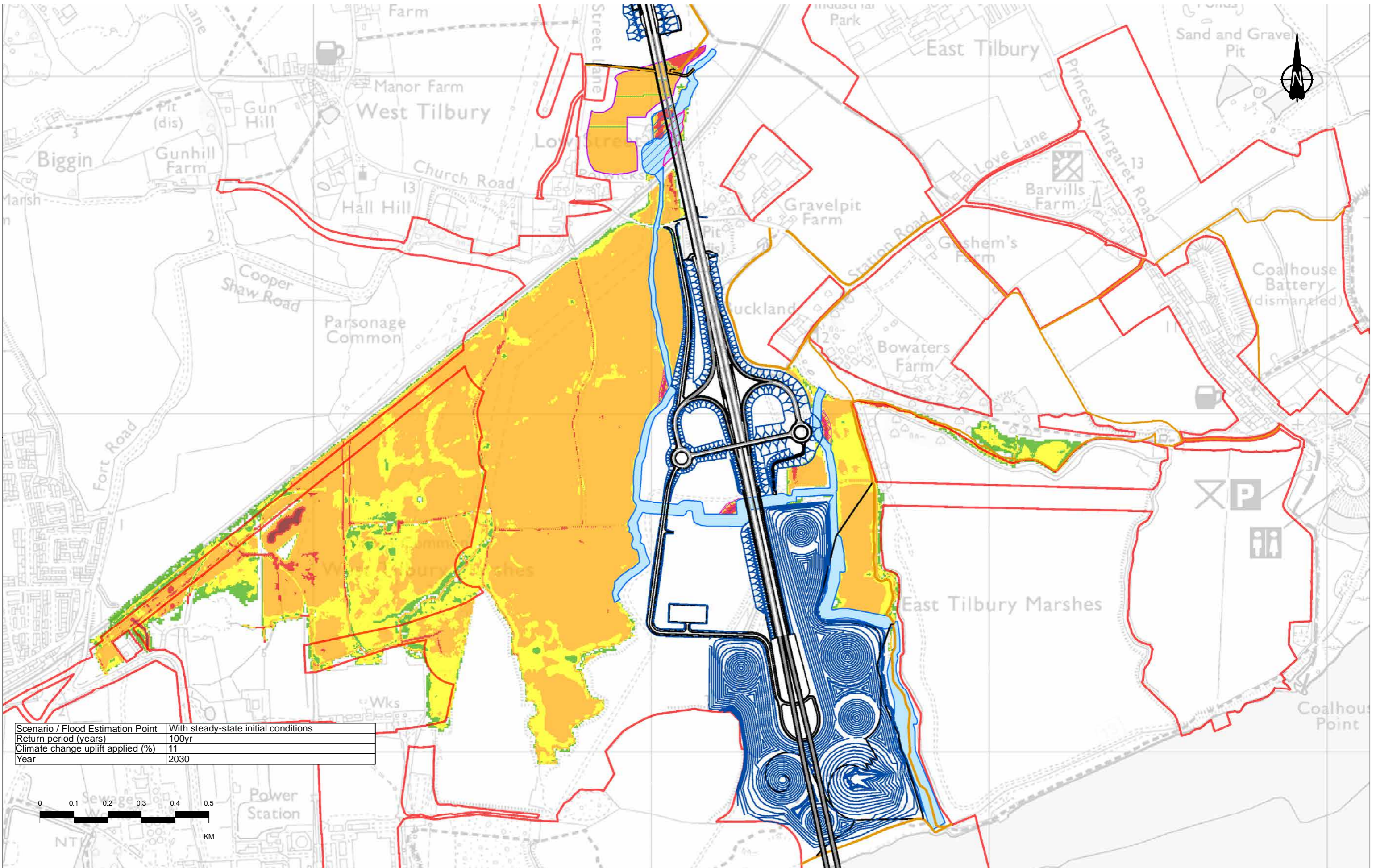
Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	100yr
Climate change uplift applied (%)	6
Year	2030

P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

Legend

1D Channel	Alignment	Proposed LTC alignment Maximum flood depth (m)	0 - 0.25
1D Channel diversions	Earthworks		0.25 - 0.5
Compensation storage area	NMU Routes		0.5 - 1.0
Existing reservoir infilled			1.0 - 2.0
Revised reservoir footprint			> 2.0
Order Limits			

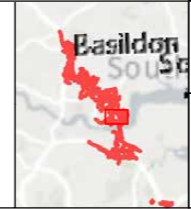
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	Project	LOWER THAMES CROSSING	Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
			Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (with mitigation) Sheet 9 of 15				
			Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00968				



Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	100yr
Climate change uplift applied (%)	11
Year	2030

P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

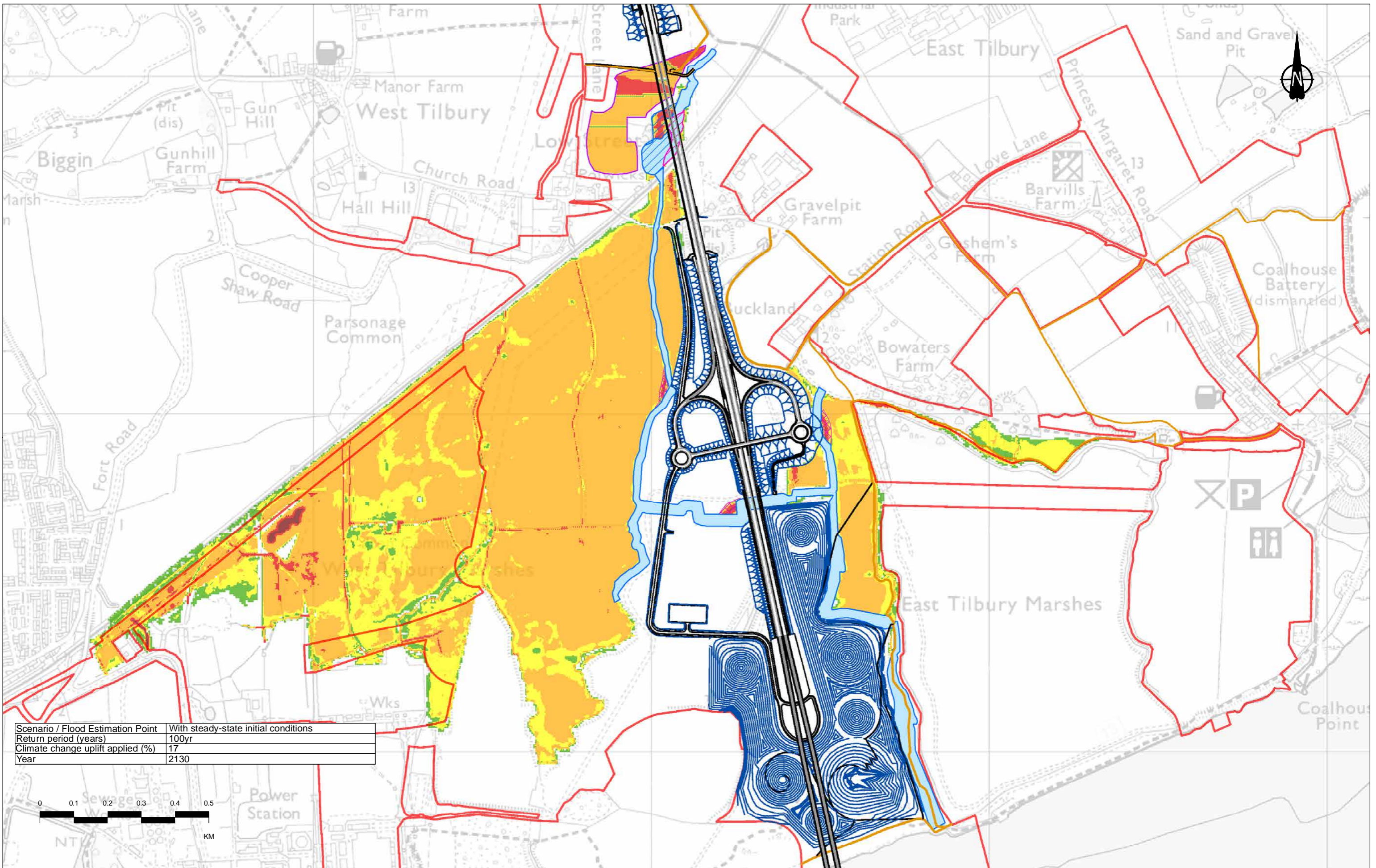
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



Client: **national highways**

Project: **LOWER THAMES CROSSING**

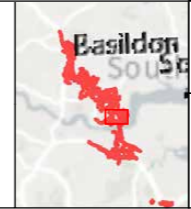
Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (with mitigation) Sheet 10 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00969				



Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	100yr
Climate change uplift applied (%)	17
Year	2130

P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

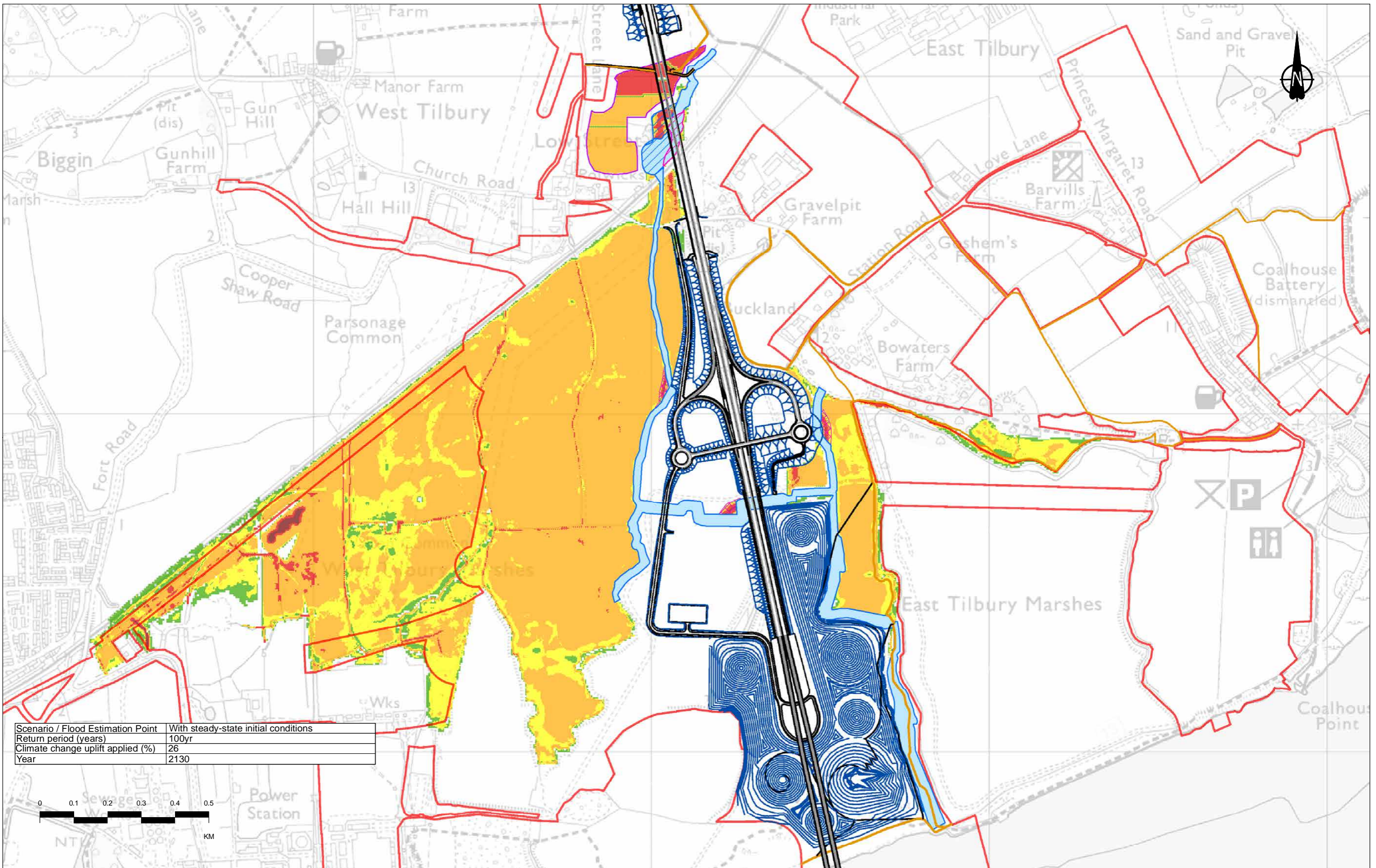
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



Client
national highways

Project
LOWER THAMES CROSSING

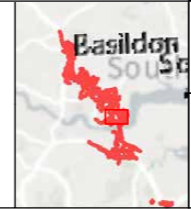
Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (with mitigation) Sheet 11 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00970				



Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	100yr
Climate change uplift applied (%)	26
Year	2130

P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

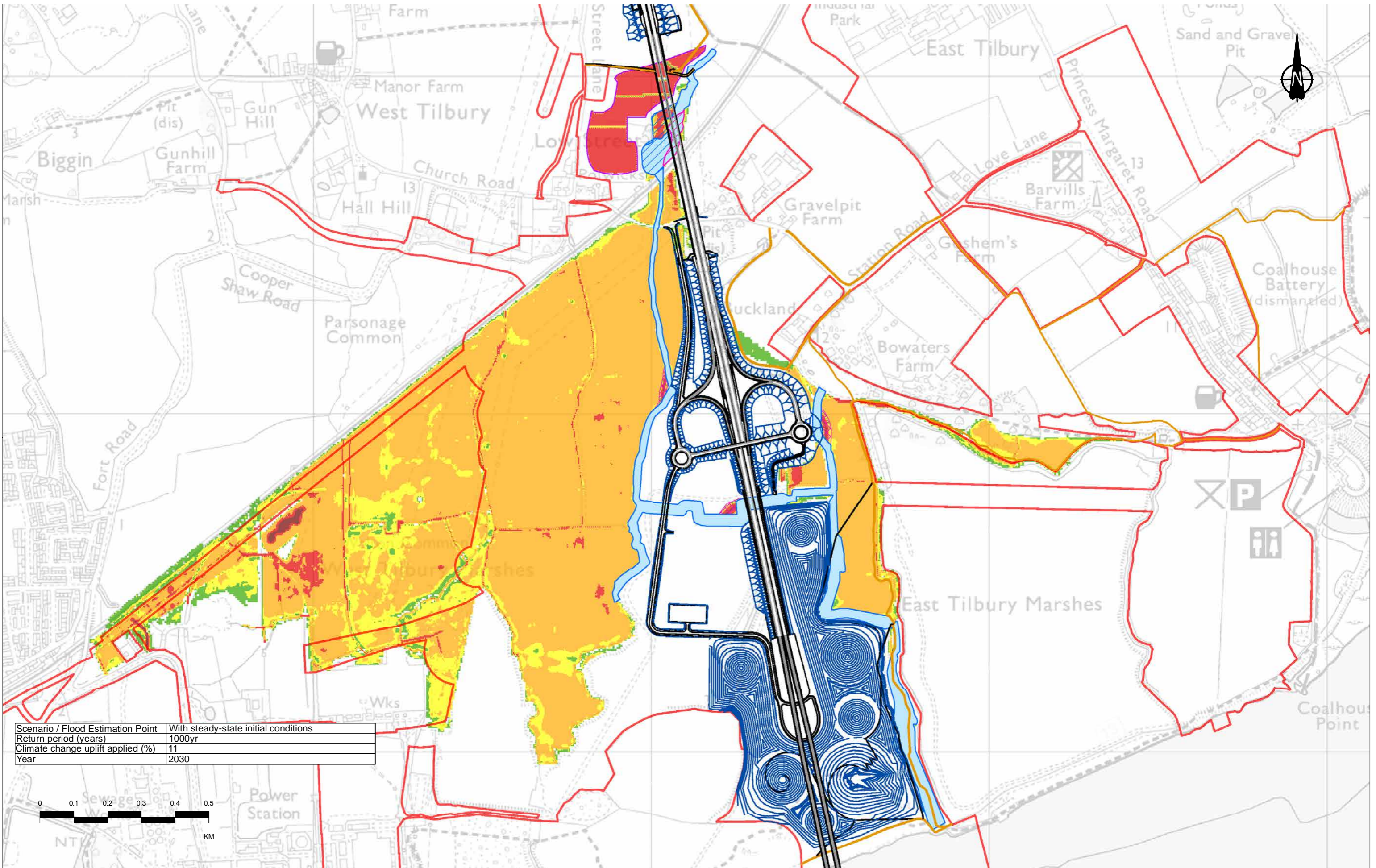
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



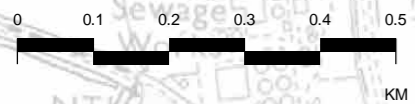
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (with mitigation) Sheet 12 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00971				



Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	1000yr
Climate change uplift applied (%)	11
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

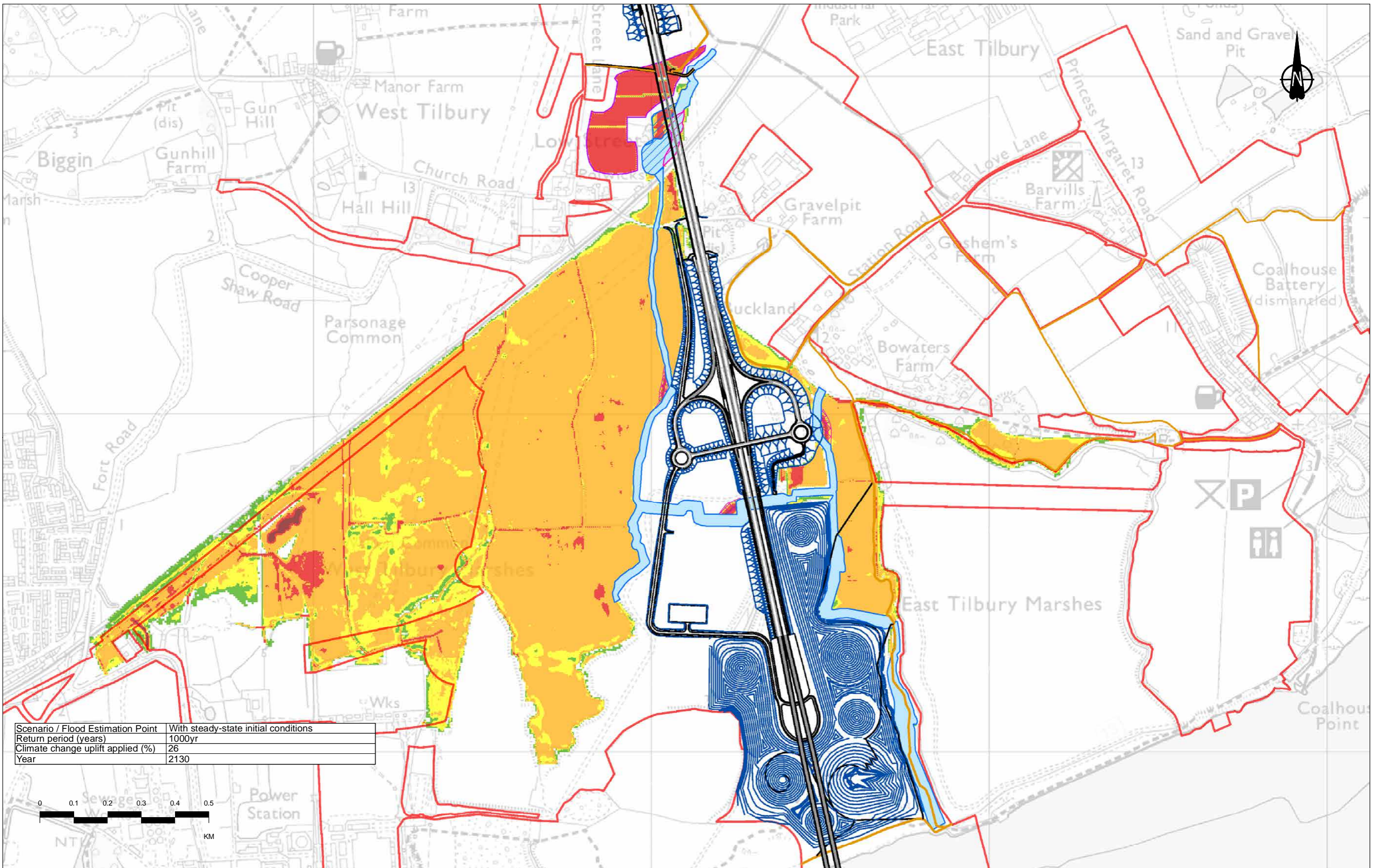
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



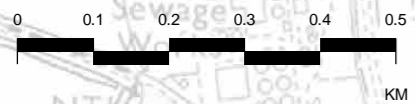
Client:

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (with mitigation) Sheet 13 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00972				



Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	1000yr
Climate change uplift applied (%)	26
Year	2130



P01	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

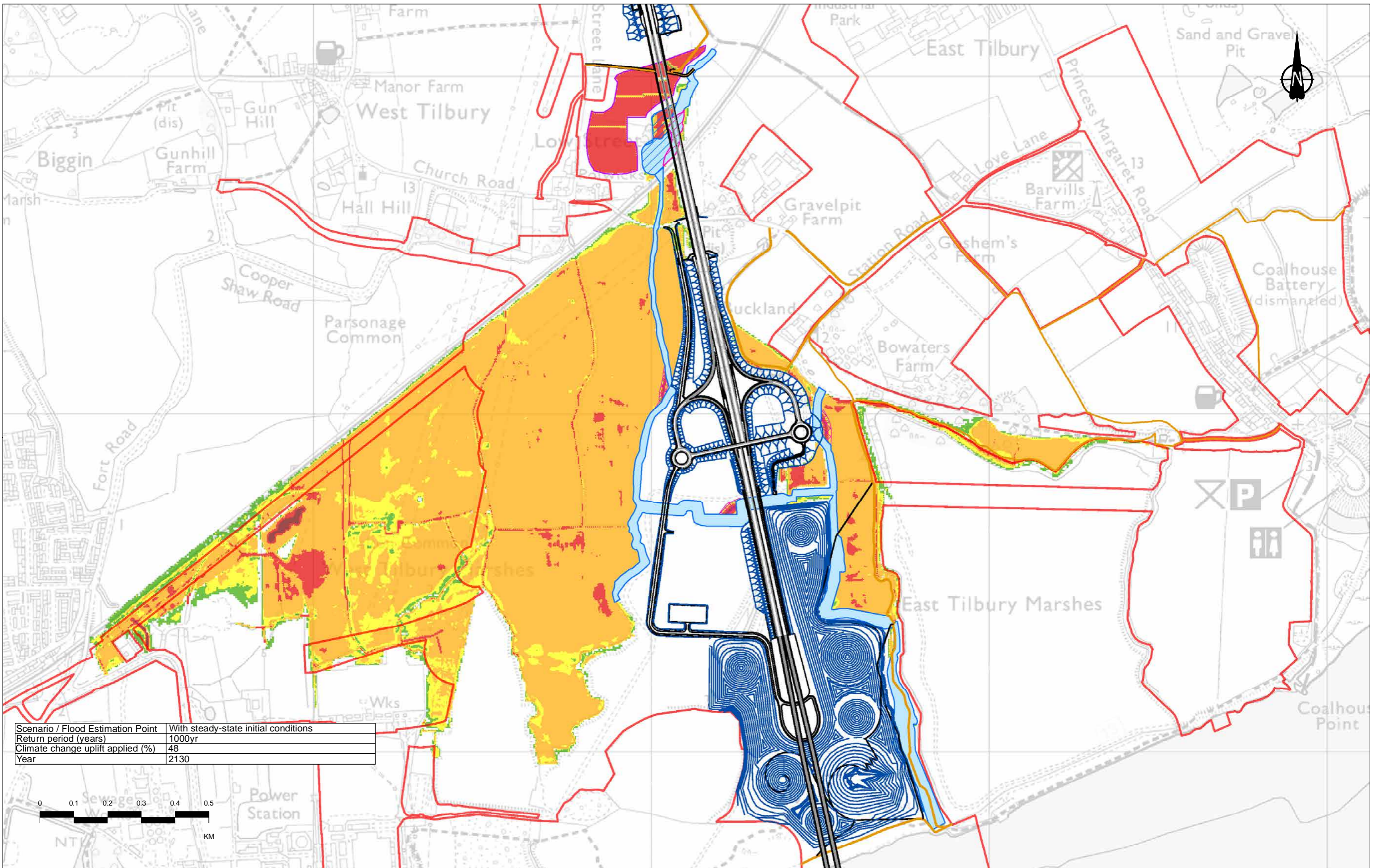
Legend		Proposed LTC alignment		Maximum flood depth (m)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2.0
	Revised reservoir footprint				> 2.0
	Order Limits				



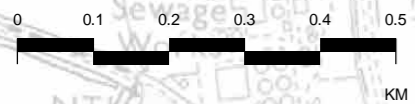
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (with mitigation) Sheet 14 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00973				



Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	1000yr
Climate change uplift applied (%)	48
Year	2130



<p>01 02/08/2022 DCO Application</p> <p>Rev Status Rev. Date Purpose of revision Drawn Check'd Apprv'd</p>	<p>KK RB BF</p>
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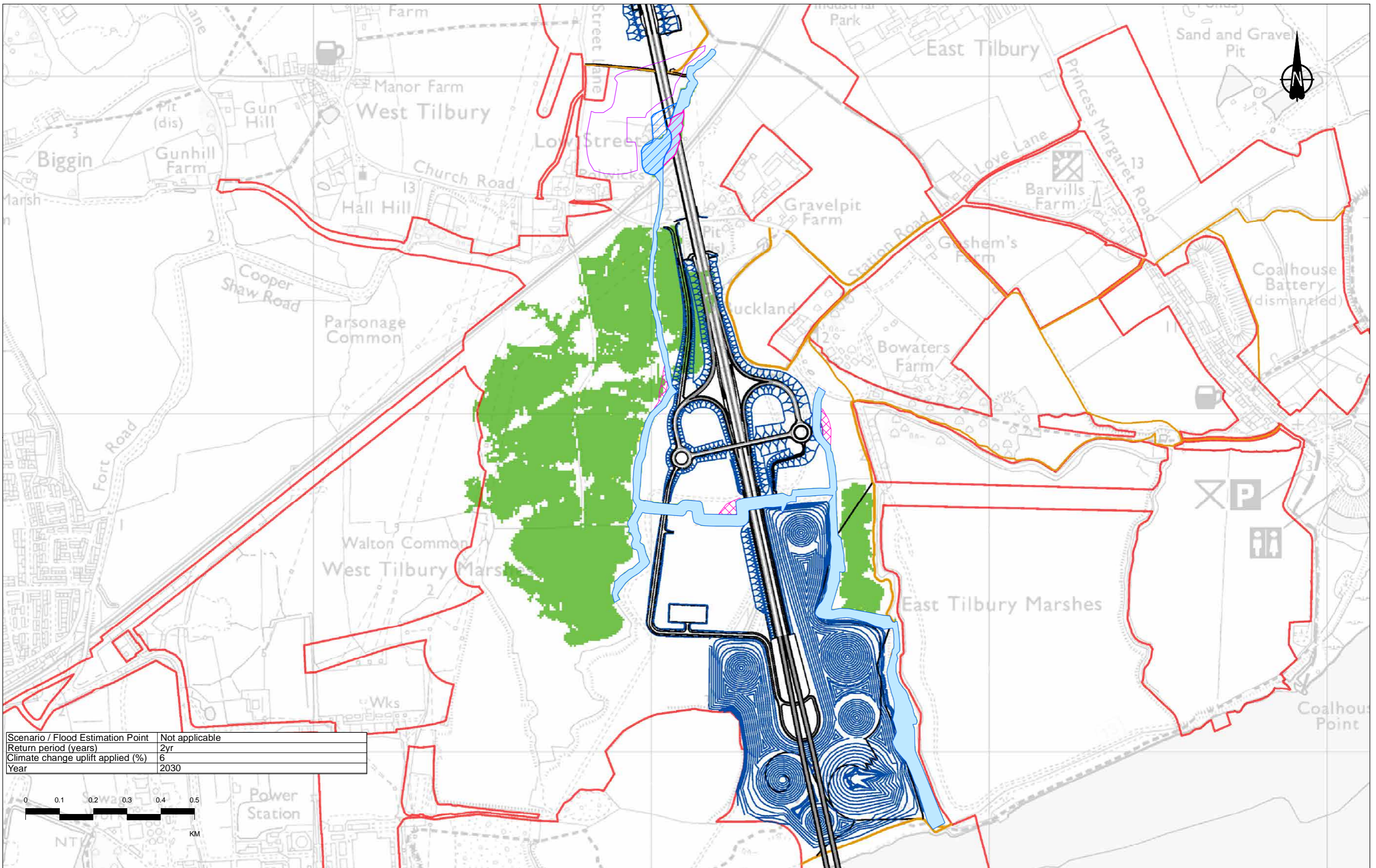
<p> 1D Channel</p> <p> 1D Channel diversions</p> <p> Compensation storage area</p> <p> Existing reservoir infilled</p> <p> Revised reservoir footprint</p> <p> Order Limits</p>	<p>Proposed LTC alignment</p> <p> Alignment</p> <p> Earthworks</p> <p> NMU Routes</p>	<p>Maximum flood depth (m)</p> <p> 0 - 0.25</p> <p> 0.25 - 0.5</p> <p> 0.5 - 1.0</p> <p> 1.0 - 2.0</p> <p> > 2.0</p>
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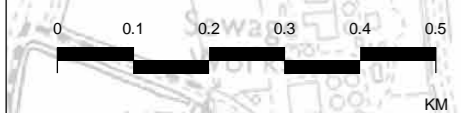
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Post-development (with mitigation) Sheet 15 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00974				



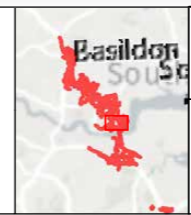
Scenario / Flood Estimation Point	Not applicable
Return period (years)	2yr
Climate change uplift applied (%)	6
Year	2030



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

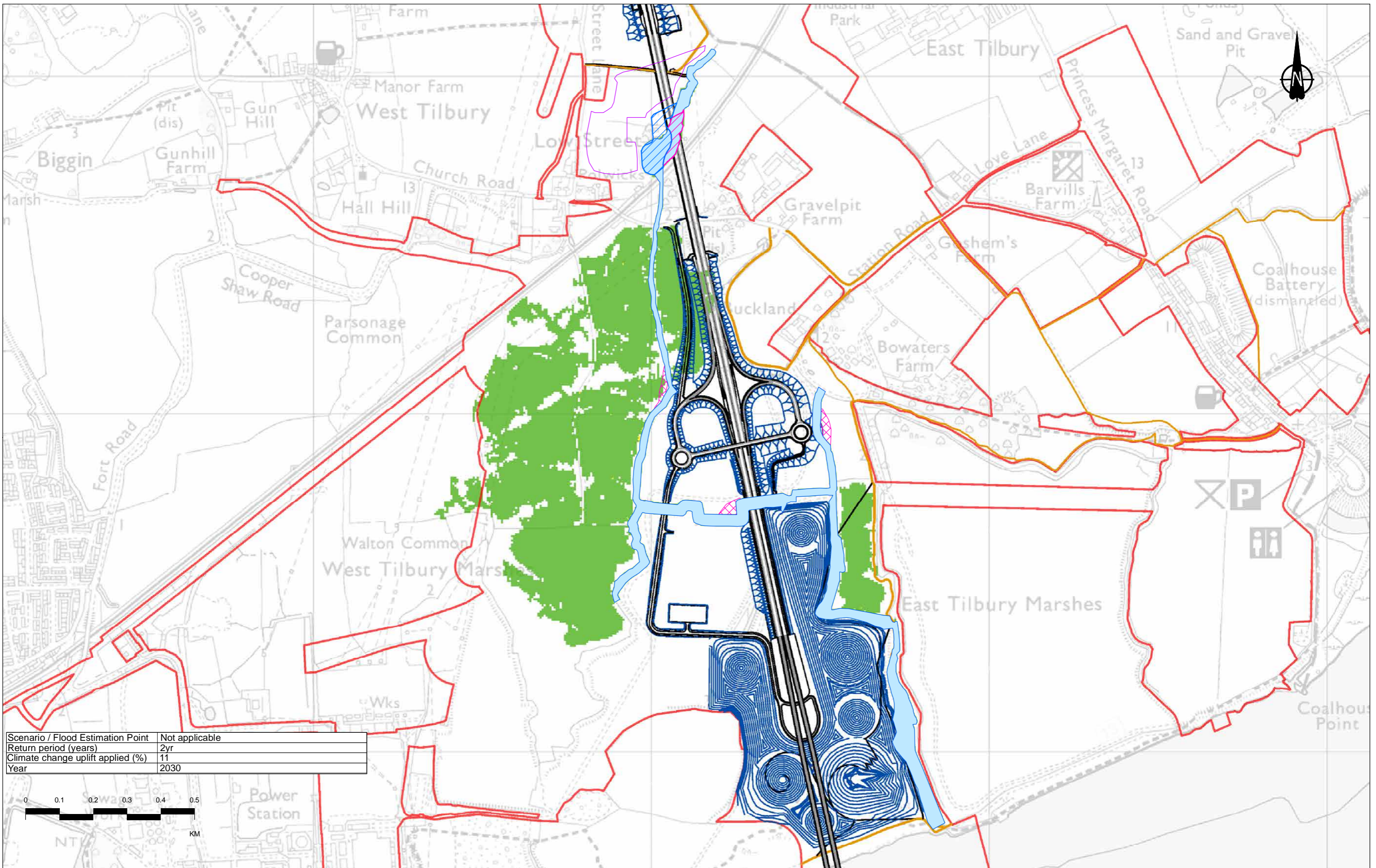
Legend		Proposed LTC alignment Maximum flood velocity (m/s)	
	1D Channel		Alignment
	1D Channel diversions		Earthworks
	Compensation storage area		NMU Routes
	Existing reservoir infilled		0 - 0.25
	Revised reservoir footprint		0.25 - 0.5
	Order Limits		0.5 - 1.0
			1.0 - 2
			> 2.0



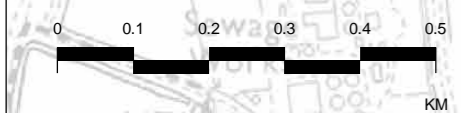
Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 1 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00975				



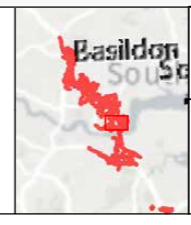
Scenario / Flood Estimation Point	Not applicable
Return period (years)	2yr
Climate change uplift applied (%)	11
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

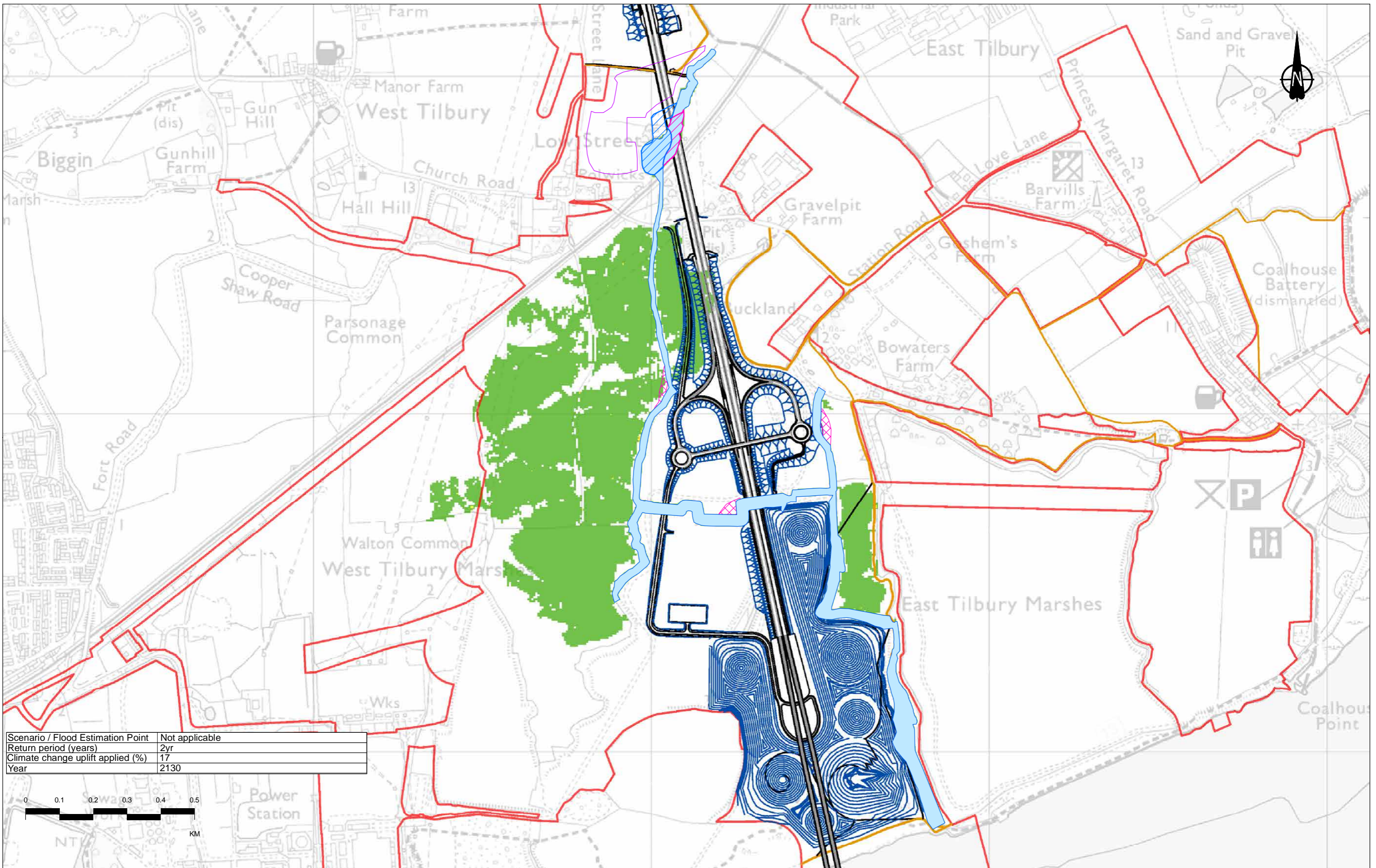
1D Channel	Alignment	Proposed LTC alignment Maximum flood velocity (m/s)	0 - 0.25
1D Channel diversions	Earthworks		0.25 - 0.5
Compensation storage area	NMU Routes		0.5 - 1.0
Existing reservoir infilled			1.0 - 2
Revised reservoir footprint			> 2.0
Order Limits			



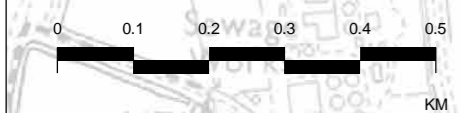
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 2 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00976				



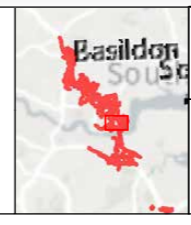
Scenario / Flood Estimation Point	Not applicable
Return period (years)	2yr
Climate change uplift applied (%)	17
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

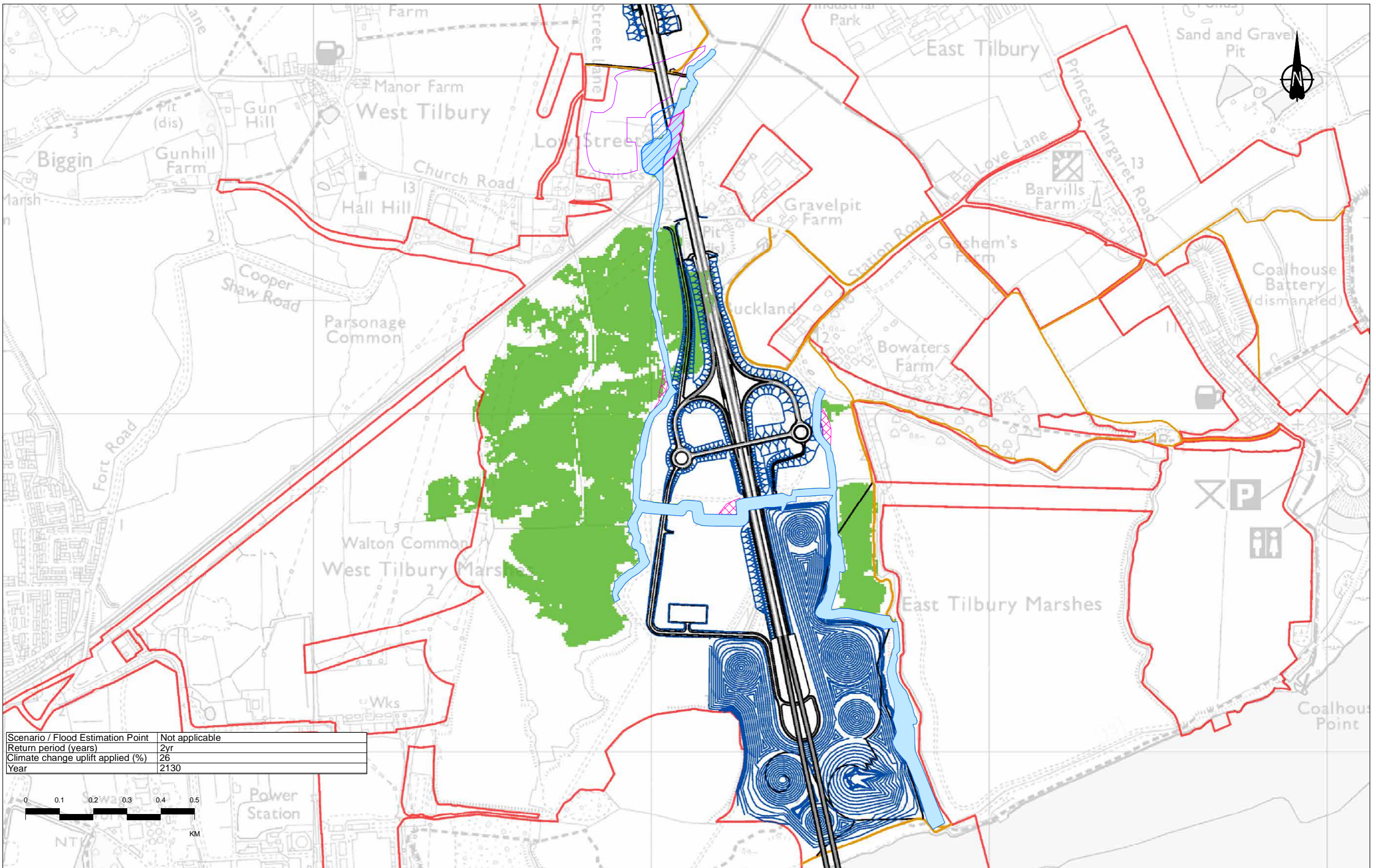
1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s)
1D Channel diversions	Alignment	0 - 0.25
Compensation storage area	Earthworks	0.25 - 0.5
Existing reservoir infilled	NMU Routes	0.5 - 1.0
Revised reservoir footprint		1.0 - 2
Order Limits		> 2.0



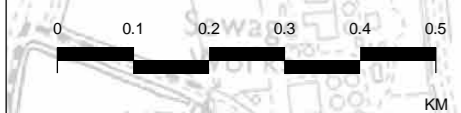
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 3 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00977				

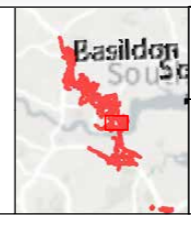


Scenario / Flood Estimation Point	Not applicable
Return period (years)	2yr
Climate change uplift applied (%)	26
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

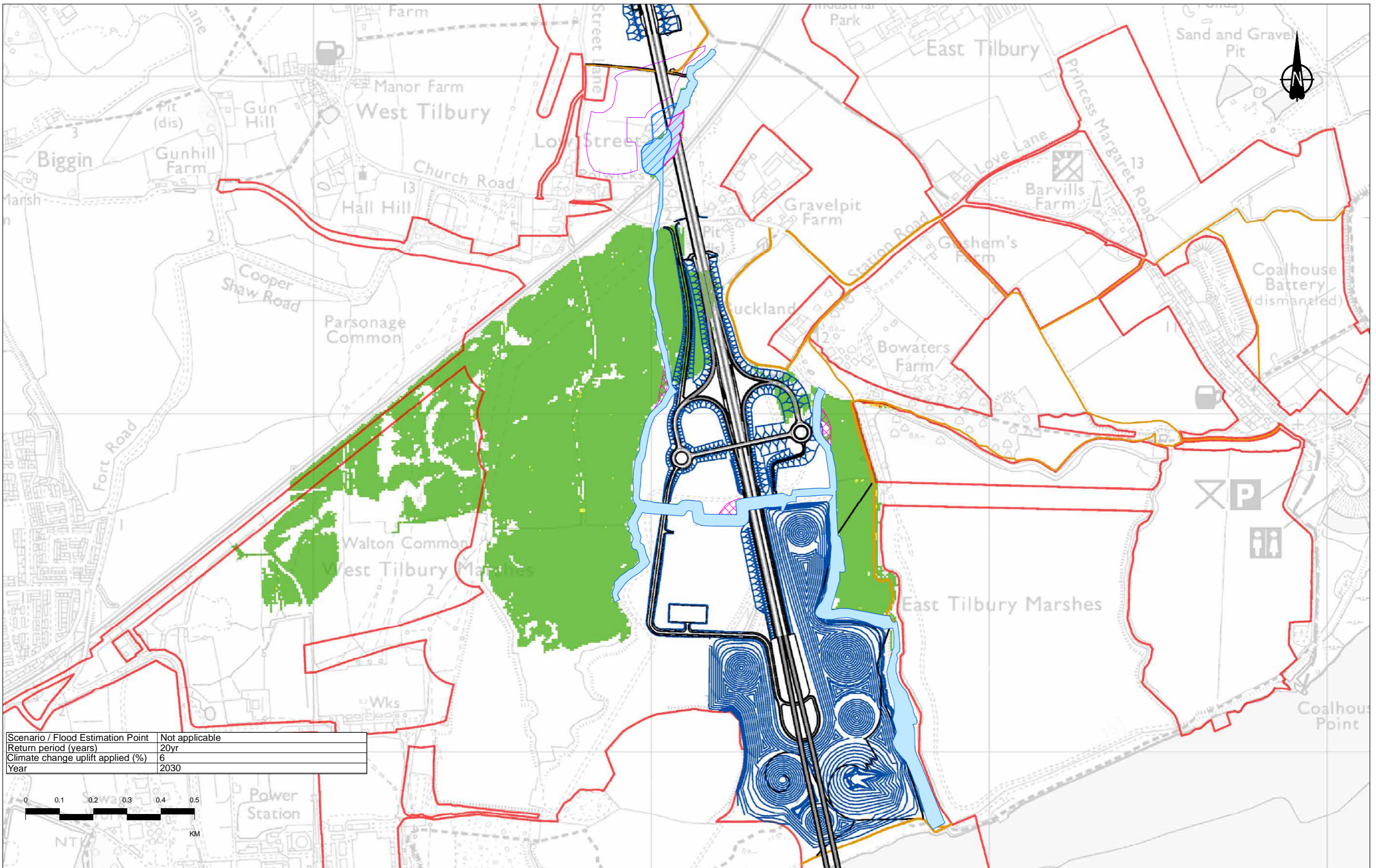
Legend		Proposed LTC alignment		Maximum flood velocity (m/s)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2
	Revised reservoir footprint				> 2.0
	Order Limits				



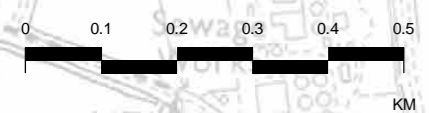
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 4 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00978				

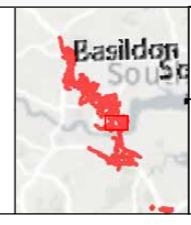


Scenario / Flood Estimation Point	Not applicable
Return period (years)	20yr
Climate change uplift applied (%)	6
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

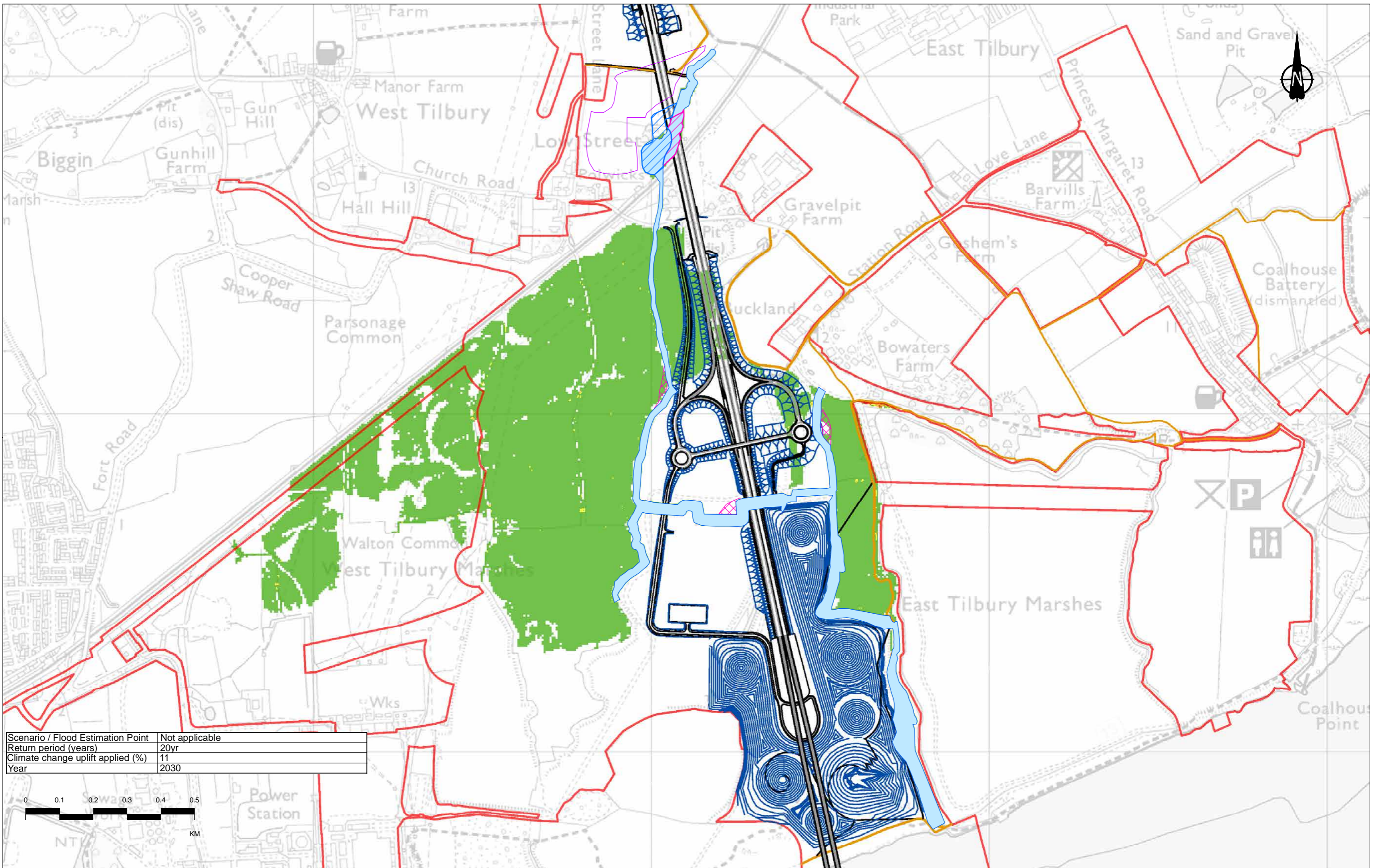
Legend		Proposed LTC alignment		Maximum flood velocity (m/s)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2
	Revised reservoir footprint				> 2.0
	Order Limits				



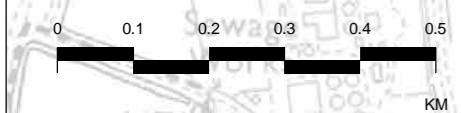
Client:

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 5 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00979				

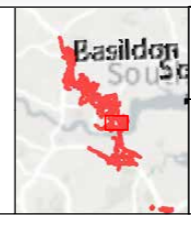


Scenario / Flood Estimation Point	Not applicable
Return period (years)	20yr
Climate change uplift applied (%)	11
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

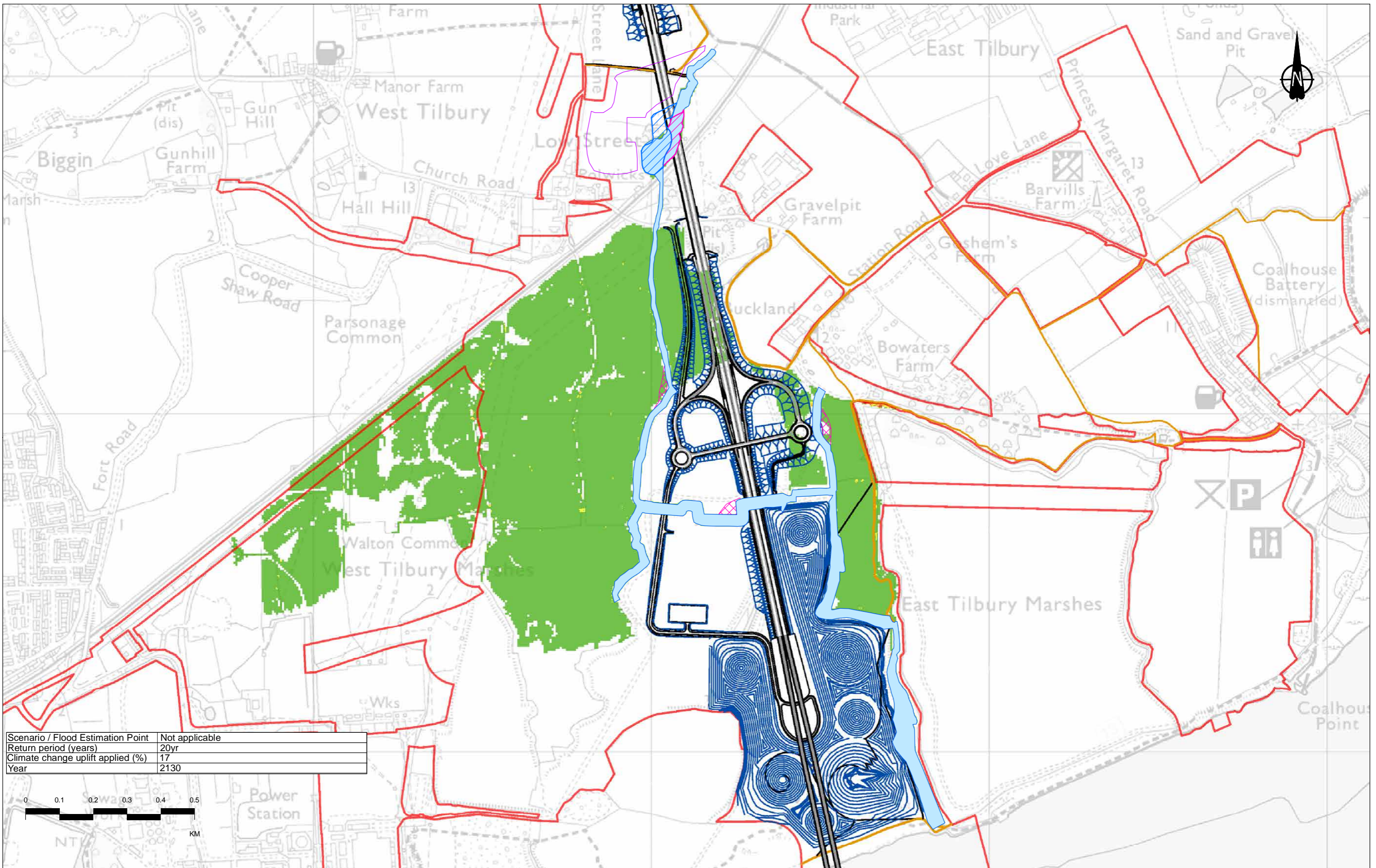
Legend		Proposed LTC alignment		Maximum flood velocity (m/s)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2
	Revised reservoir footprint				> 2.0
	Order Limits				



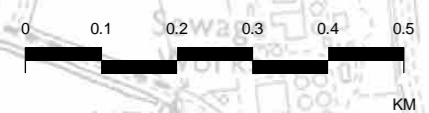
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 6 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00980				

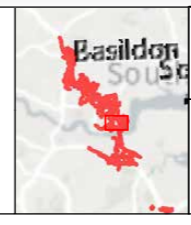


Scenario / Flood Estimation Point	Not applicable
Return period (years)	20yr
Climate change uplift applied (%)	17
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

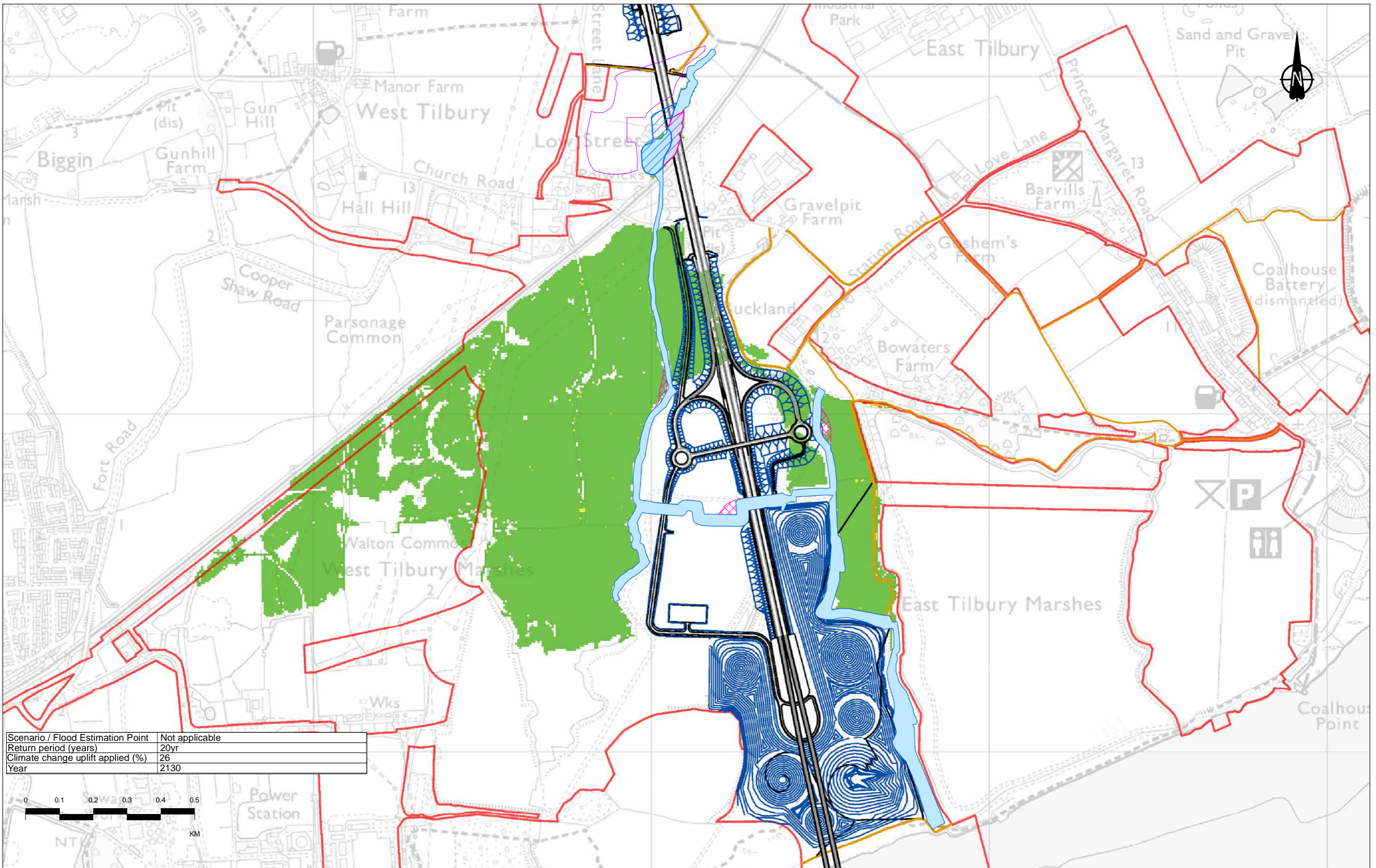
Legend		Proposed LTC alignment Maximum flood velocity (m/s)	
	1D Channel		0 - 0.25
	1D Channel diversions		0.25 - 0.5
	Compensation storage area		0.5 - 1.0
	Existing reservoir infilled		1.0 - 2
	Revised reservoir footprint		> 2.0
	Order Limits		Alignment
			Earthworks
			NMU Routes



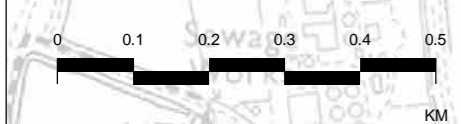
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 7 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00981				



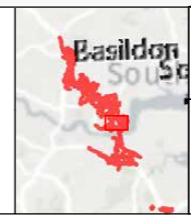
Scenario / Flood Estimation Point	Not applicable
Return period (years)	20yr
Climate change uplift applied (%)	26
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

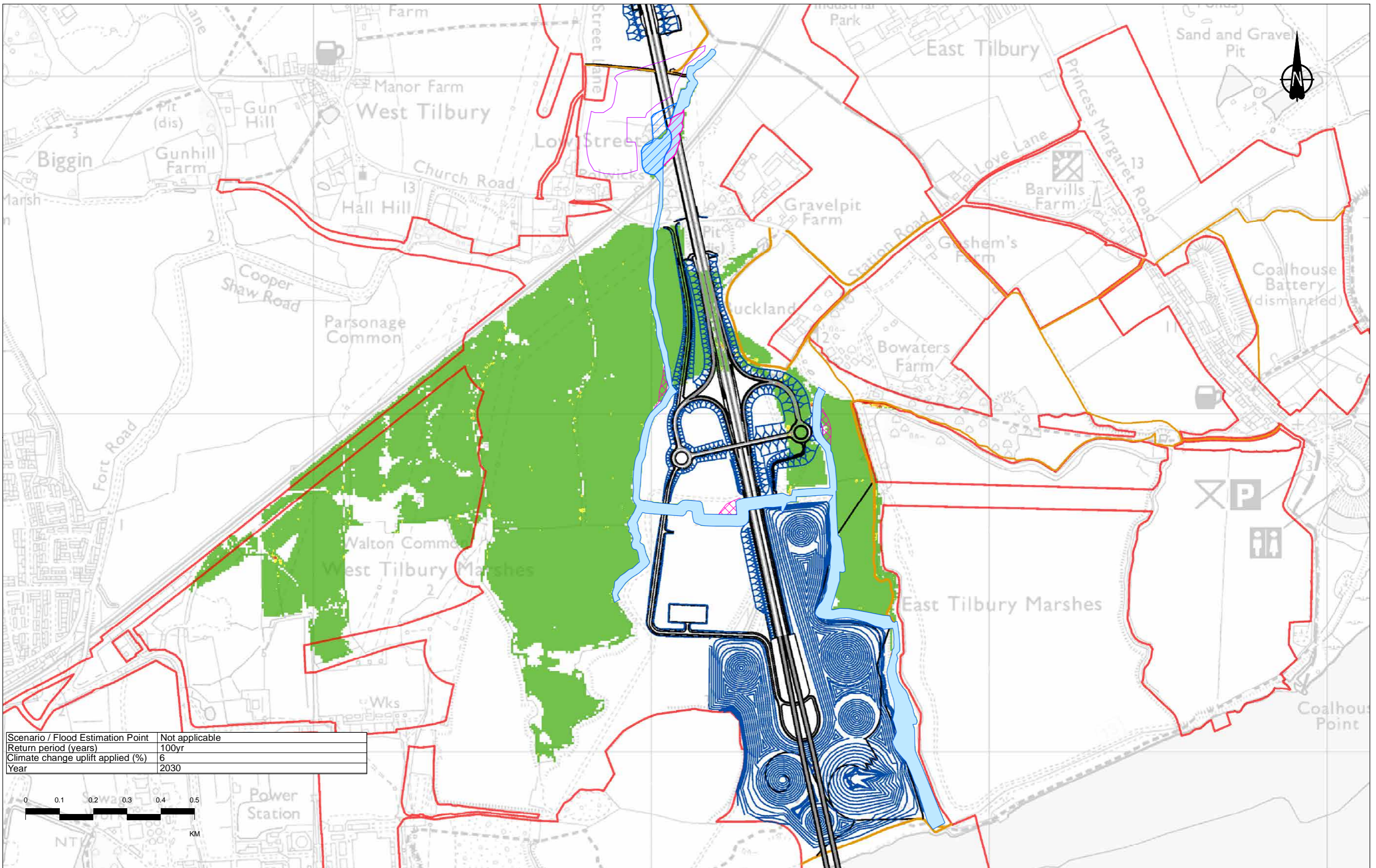
1D Channel	Alignment	Proposed LTC alignment Maximum flood velocity (m/s)	0 - 0.25
1D Channel diversions	Earthworks		0.25 - 0.5
Compensation storage area	NMU Routes		0.5 - 1.0
Existing reservoir infilled			1.0 - 2
Revised reservoir footprint			> 2.0
Order Limits			



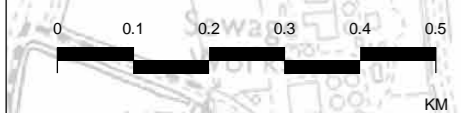
Client:

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 8 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00982				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	100yr
Climate change uplift applied (%)	6
Year	2030



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

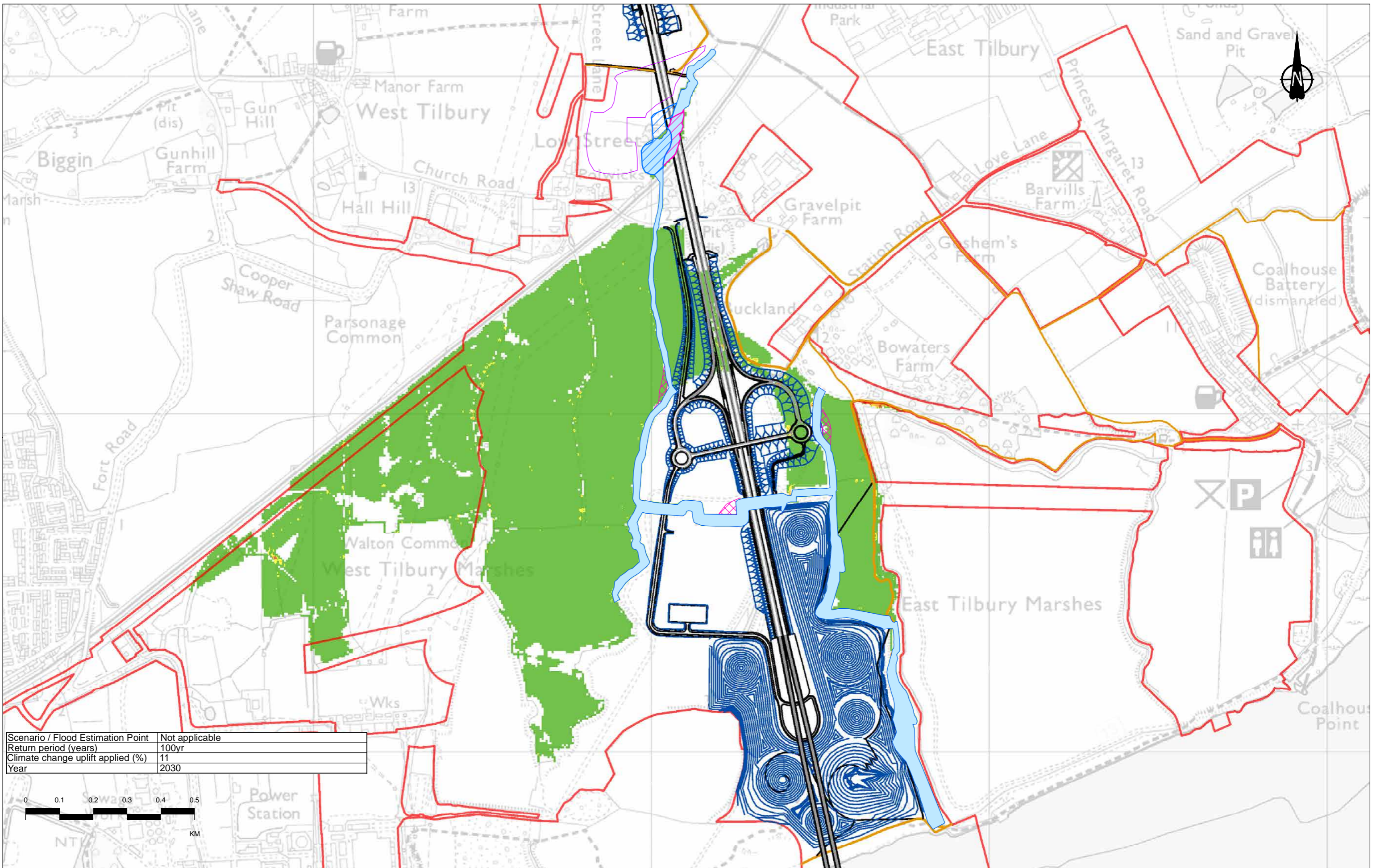
1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s) 0 - 0.25
1D Channel diversions	Earthworks	0.25 - 0.5
Compensation storage area	NMU Routes	0.5 - 1.0
Existing reservoir infilled		1.0 - 2
Revised reservoir footprint		> 2.0
Order Limits		

Client: Basildon South Essex Council

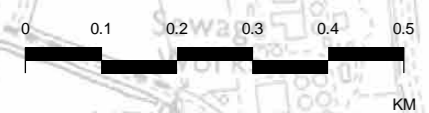
Project: national highways

LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 9 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00983				



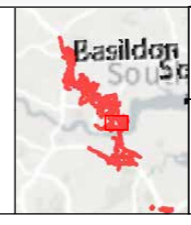
Scenario / Flood Estimation Point	Not applicable
Return period (years)	100yr
Climate change uplift applied (%)	11
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

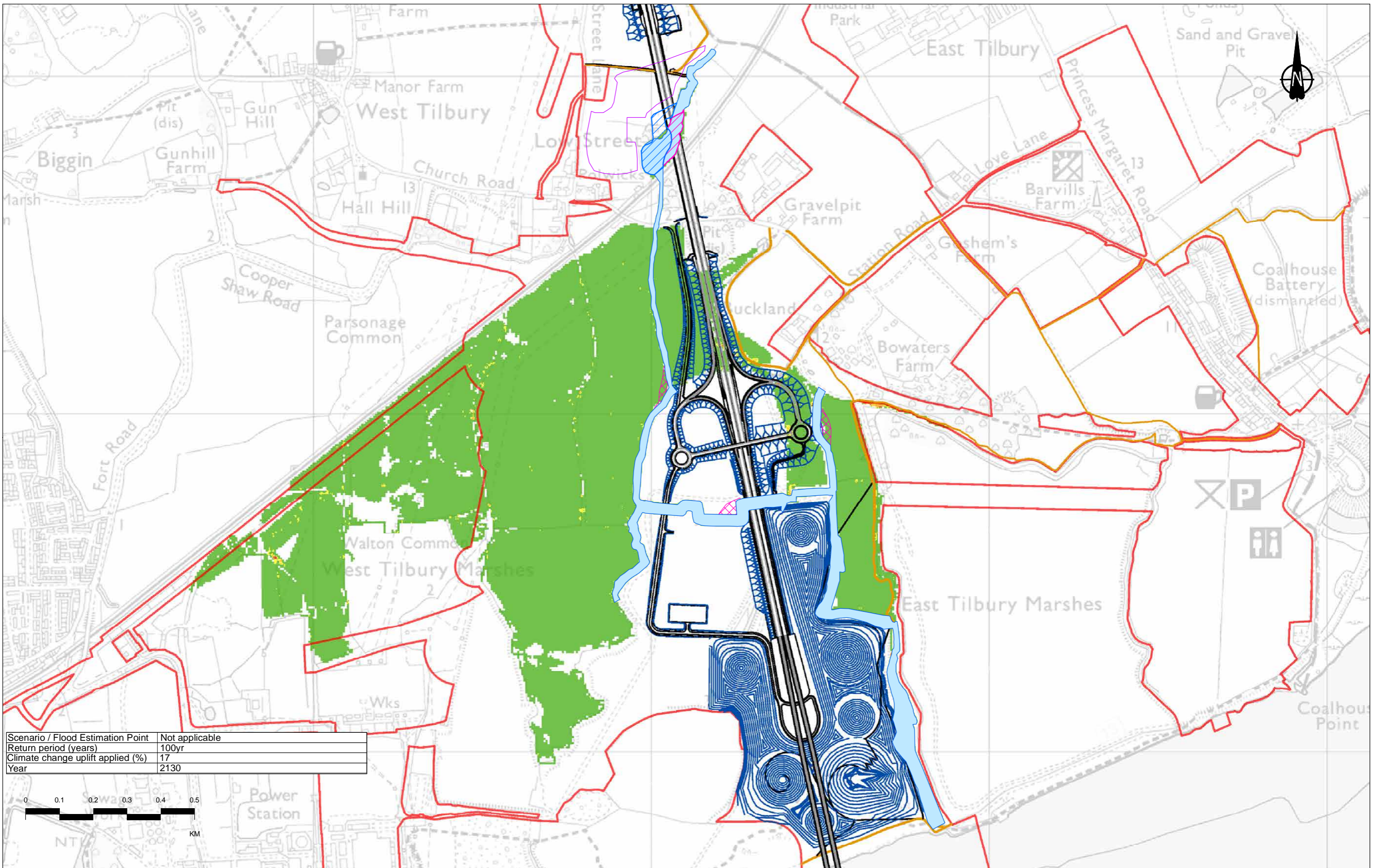
1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s)
1D Channel diversions	Earthworks	
Compensation storage area	NMU Routes	
Existing reservoir infilled	0 - 0.25	
Revised reservoir footprint	0.25 - 0.5	
Order Limits	0.5 - 1.0	
	1.0 - 2	> 2.0



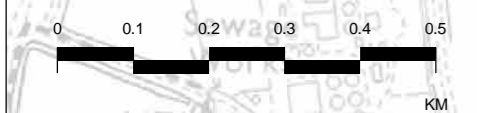
Client:

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 10 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00984				

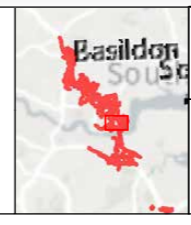


Scenario / Flood Estimation Point	Not applicable
Return period (years)	100yr
Climate change uplift applied (%)	17
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

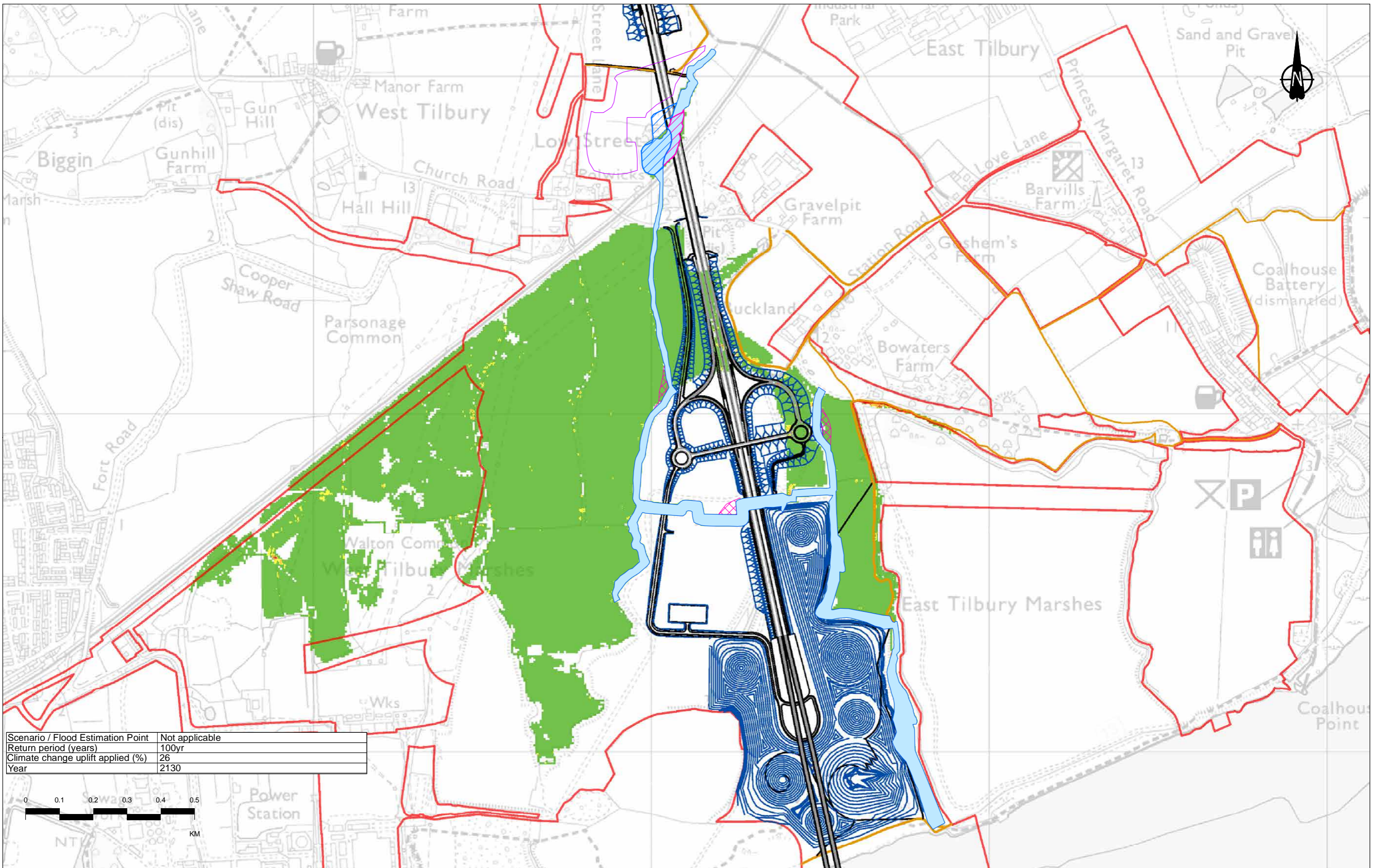
Legend		Proposed LTC alignment Maximum flood velocity (m/s)	
	1D Channel		0 - 0.25
	1D Channel diversions		0.25 - 0.5
	Compensation storage area		0.5 - 1.0
	Existing reservoir infilled		1.0 - 2
	Revised reservoir footprint		> 2.0
	Order Limits		Alignment
			Earthworks
			NMU Routes



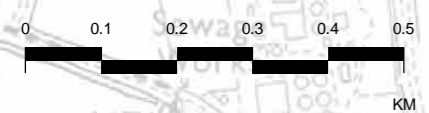
Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 11 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00985				

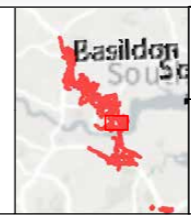


Scenario / Flood Estimation Point	Not applicable
Return period (years)	100yr
Climate change uplift applied (%)	26
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

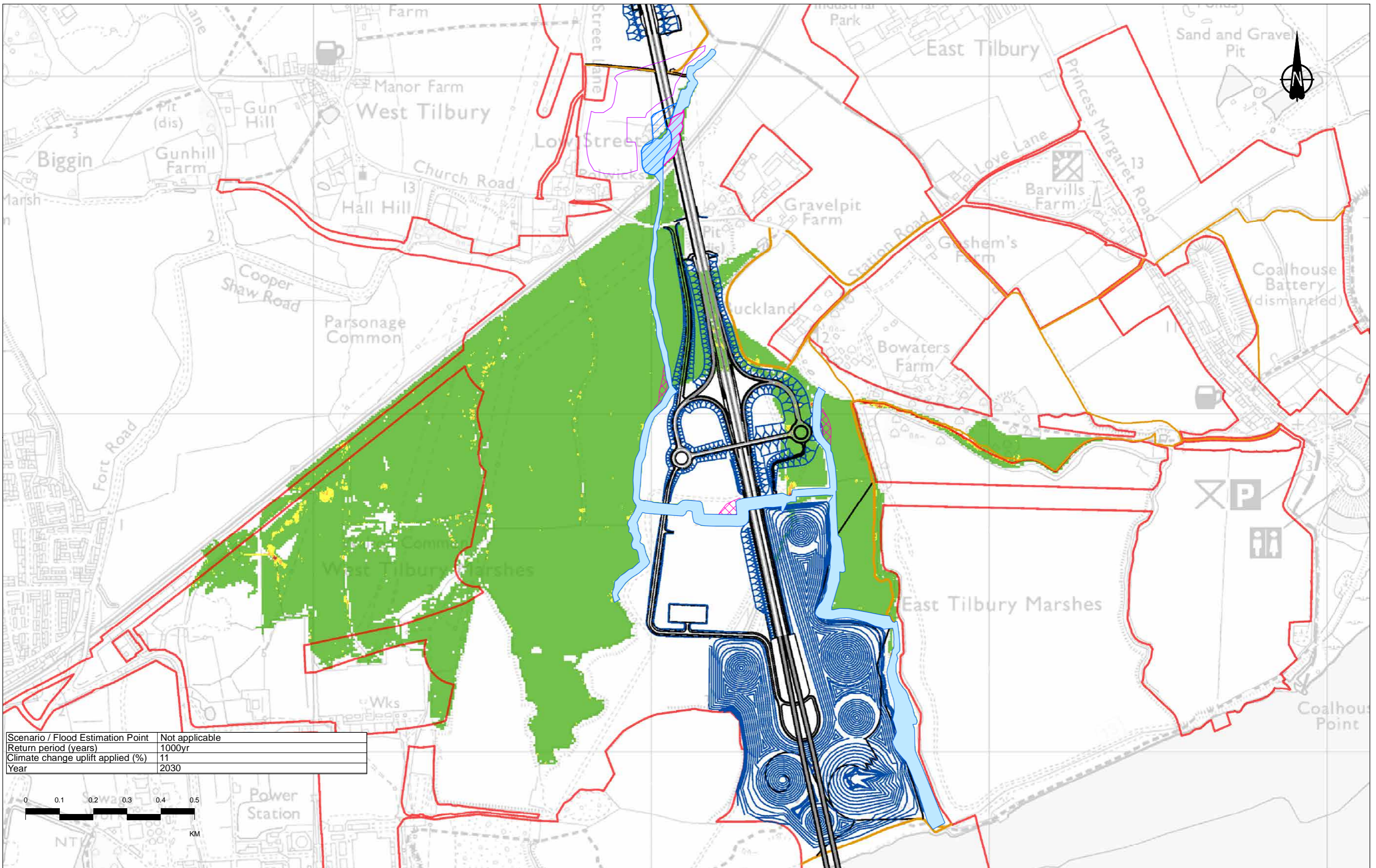
Legend		Proposed LTC alignment Maximum flood velocity (m/s)	
	1D Channel		Alignment
	1D Channel diversions		Earthworks
	Compensation storage area		NMU Routes
	Existing reservoir infilled		0 - 0.25
	Revised reservoir footprint		0.25 - 0.5
	Order Limits		0.5 - 1.0
			1.0 - 2
			> 2.0



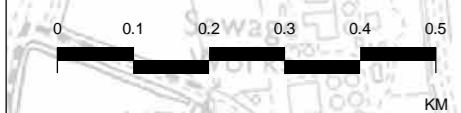
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 12 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00986				



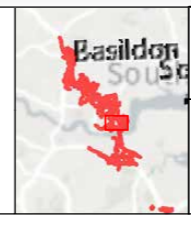
Scenario / Flood Estimation Point	Not applicable
Return period (years)	1000yr
Climate change uplift applied (%)	11
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

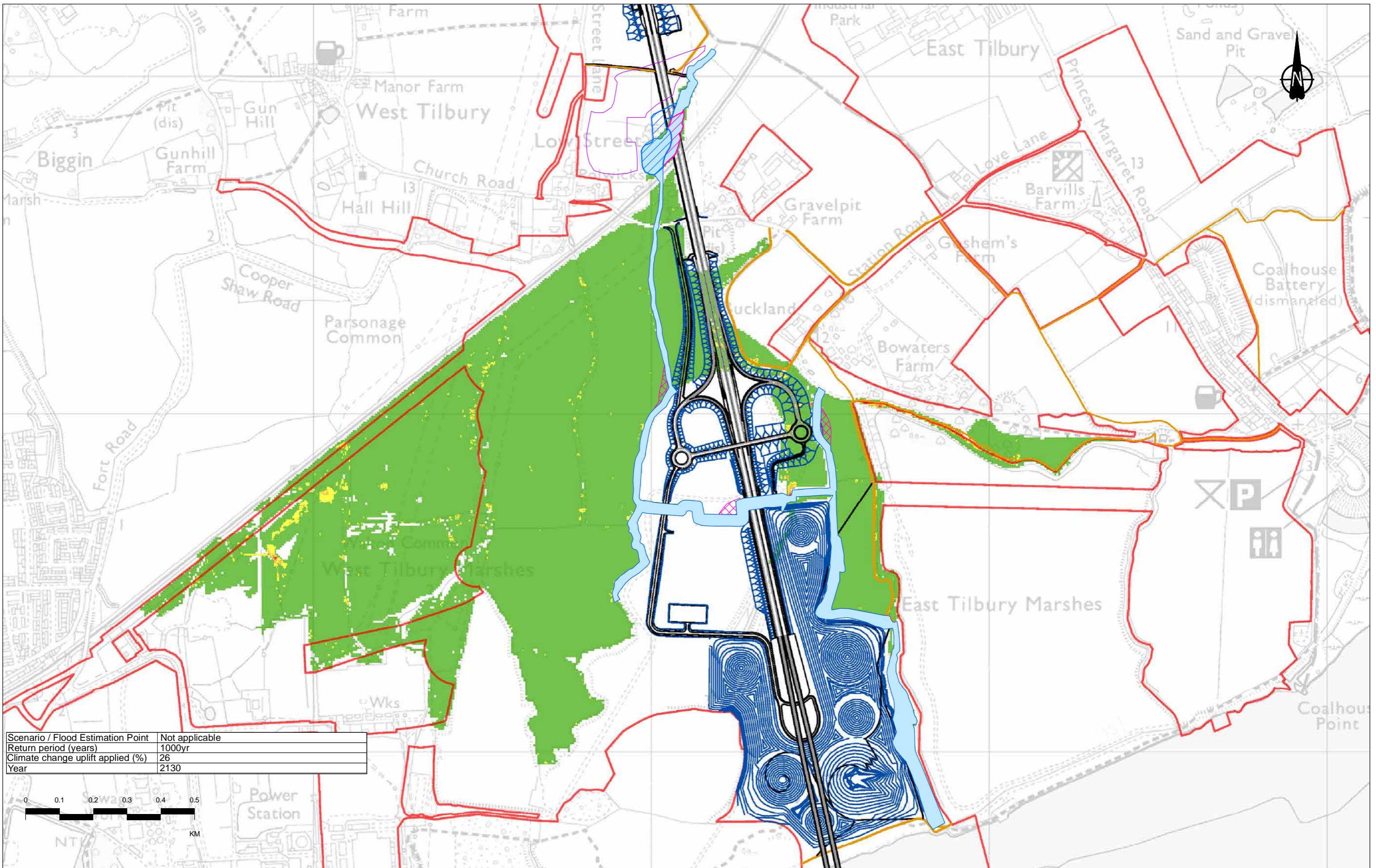
1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s)
1D Channel diversions	Alignment	0 - 0.25
Compensation storage area	Earthworks	0.25 - 0.5
Existing reservoir infilled	NMU Routes	0.5 - 1.0
Revised reservoir footprint		1.0 - 2
Order Limits		> 2.0



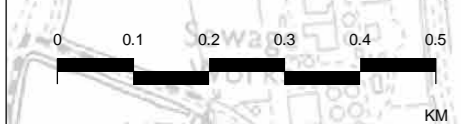
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 13 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00987				



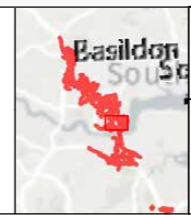
Scenario / Flood Estimation Point	Not applicable
Return period (years)	1000yr
Climate change uplift applied (%)	26
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

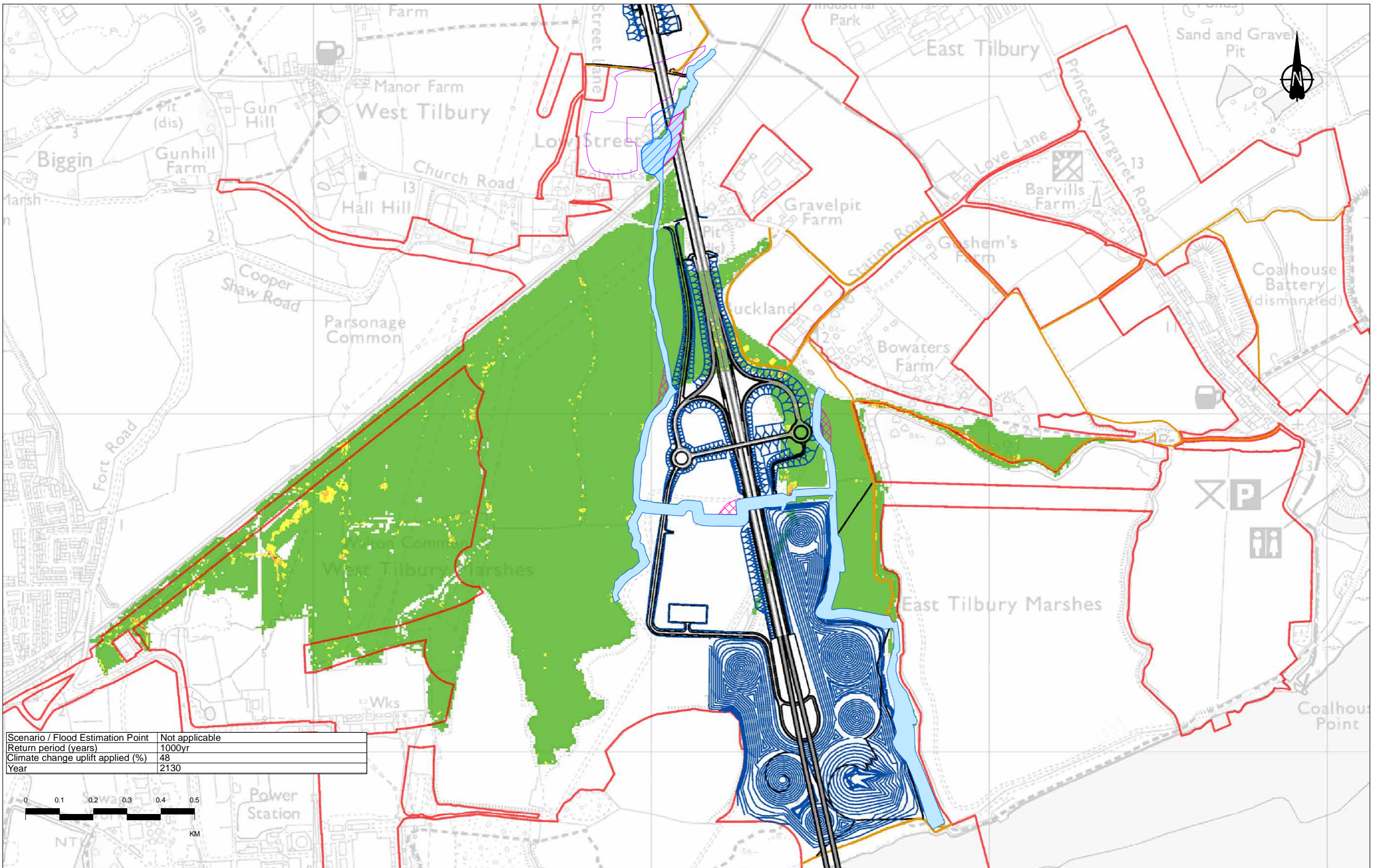
1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s)
1D Channel diversions	Earthworks	0 - 0.25
Compensation storage area	NMU Routes	0.25 - 0.5
Existing reservoir infilled		0.5 - 1.0
Revised reservoir footprint		1.0 - 2
Order Limits		> 2.0



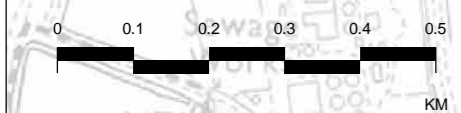
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 14 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00988				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	1000yr
Climate change uplift applied (%)	48
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

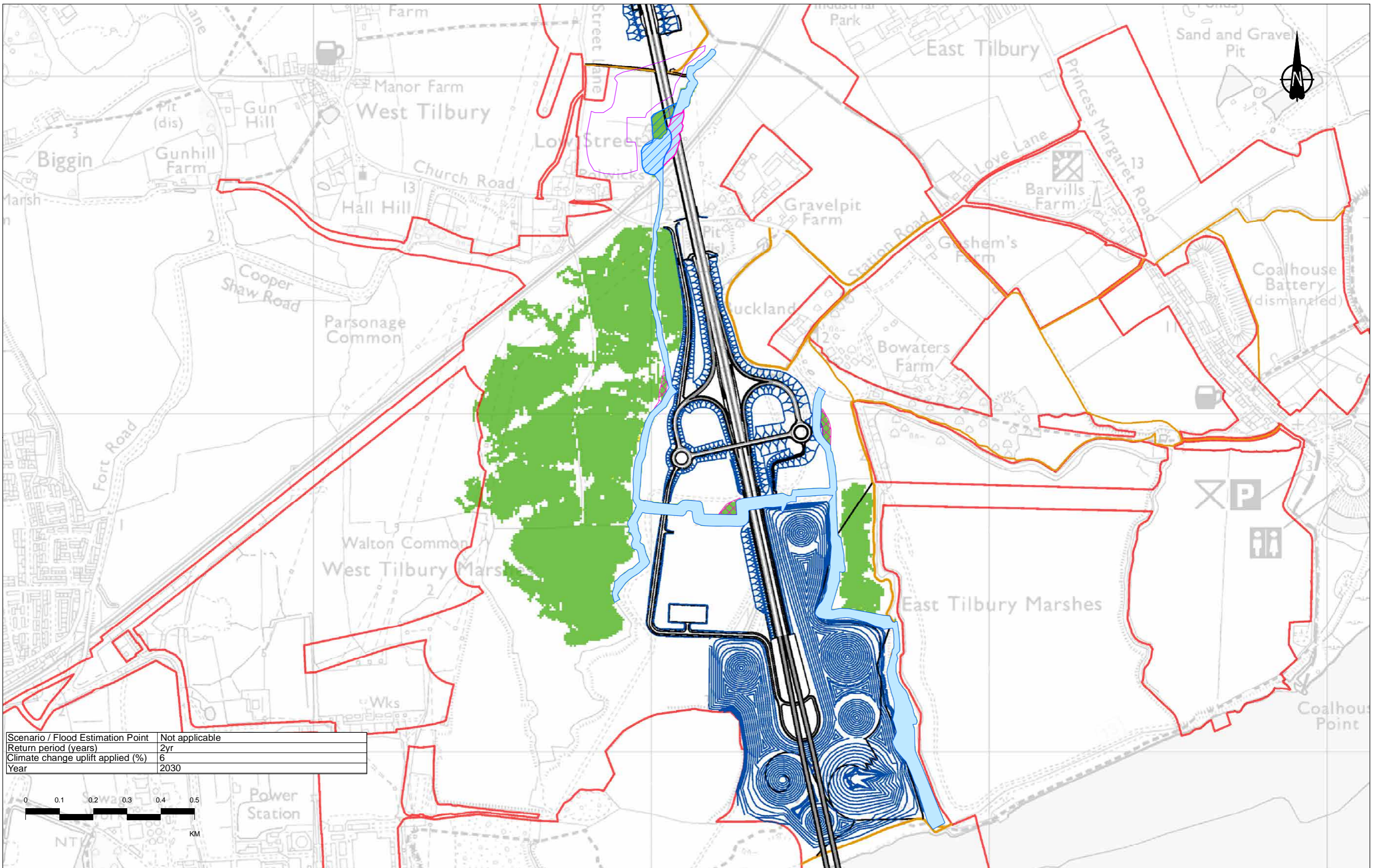
Legend

1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s)
1D Channel diversions	Earthworks	0 - 0.25
Compensation storage area	NMU Routes	0.25 - 0.5
Existing reservoir infilled		0.5 - 1.0
Revised reservoir footprint		1.0 - 2
Order Limits		> 2.0

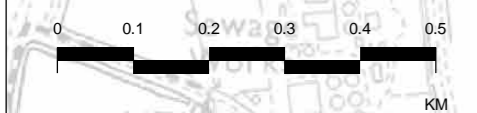
Client:

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 15 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00989				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	2yr
Climate change uplift applied (%)	6
Year	2030



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

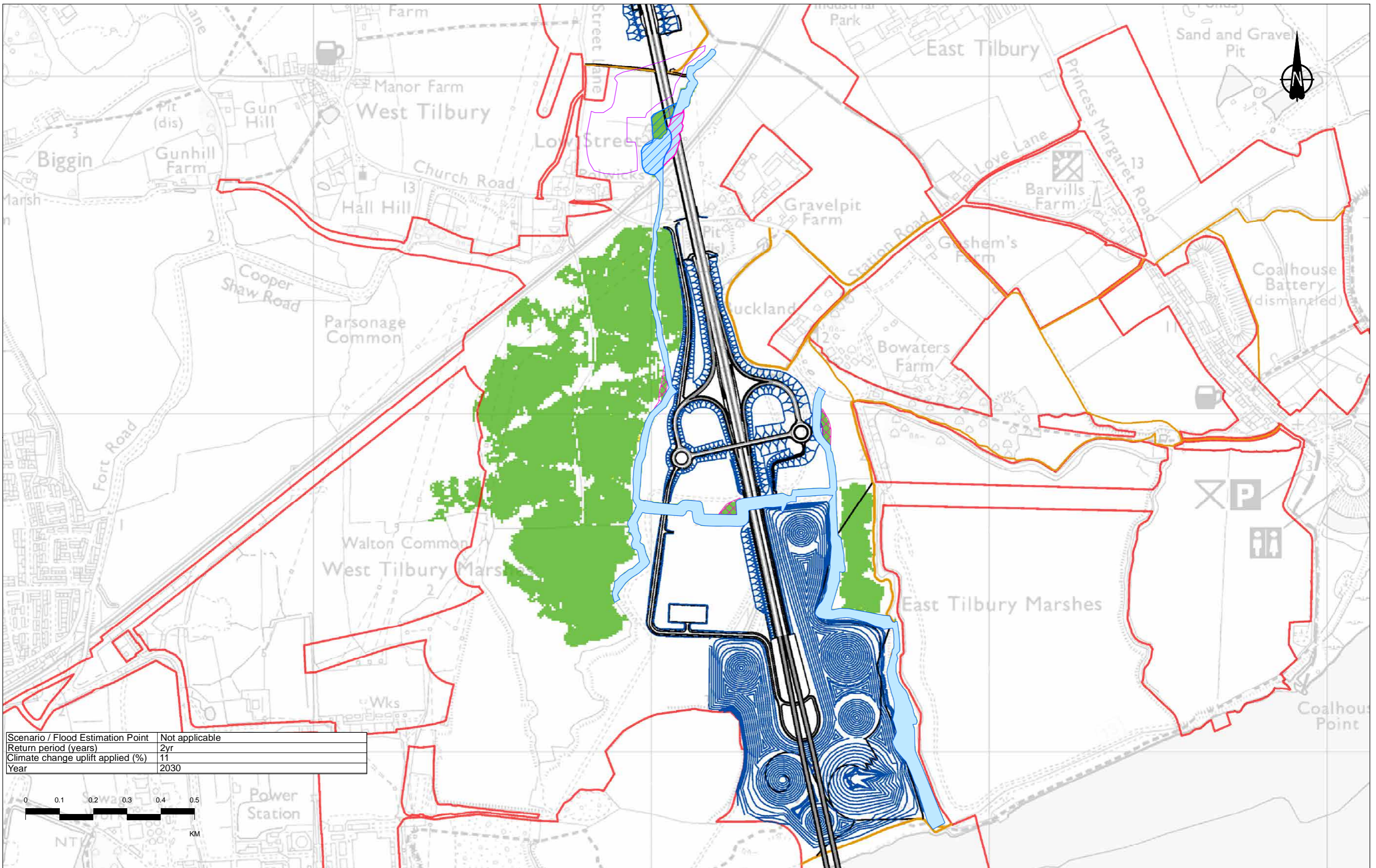
1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s)
1D Channel diversions	Alignment	0 - 0.25
Compensation storage area	Earthworks	0.25 - 0.5
Existing reservoir infilled	NMU Routes	0.5 - 1.0
Revised reservoir footprint		1.0 - 2
Order Limits		> 2.0

Client: Basildon South Essex Council

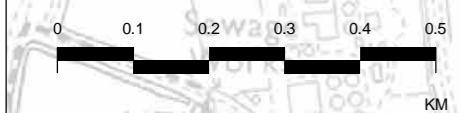
Project: national highways

LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (without mitigation) Sheet 1 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00990				

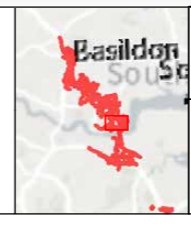


Scenario / Flood Estimation Point	Not applicable
Return period (years)	2yr
Climate change uplift applied (%)	11
Year	2030



CO1	SB	02/08/2022	DCO Application	AK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

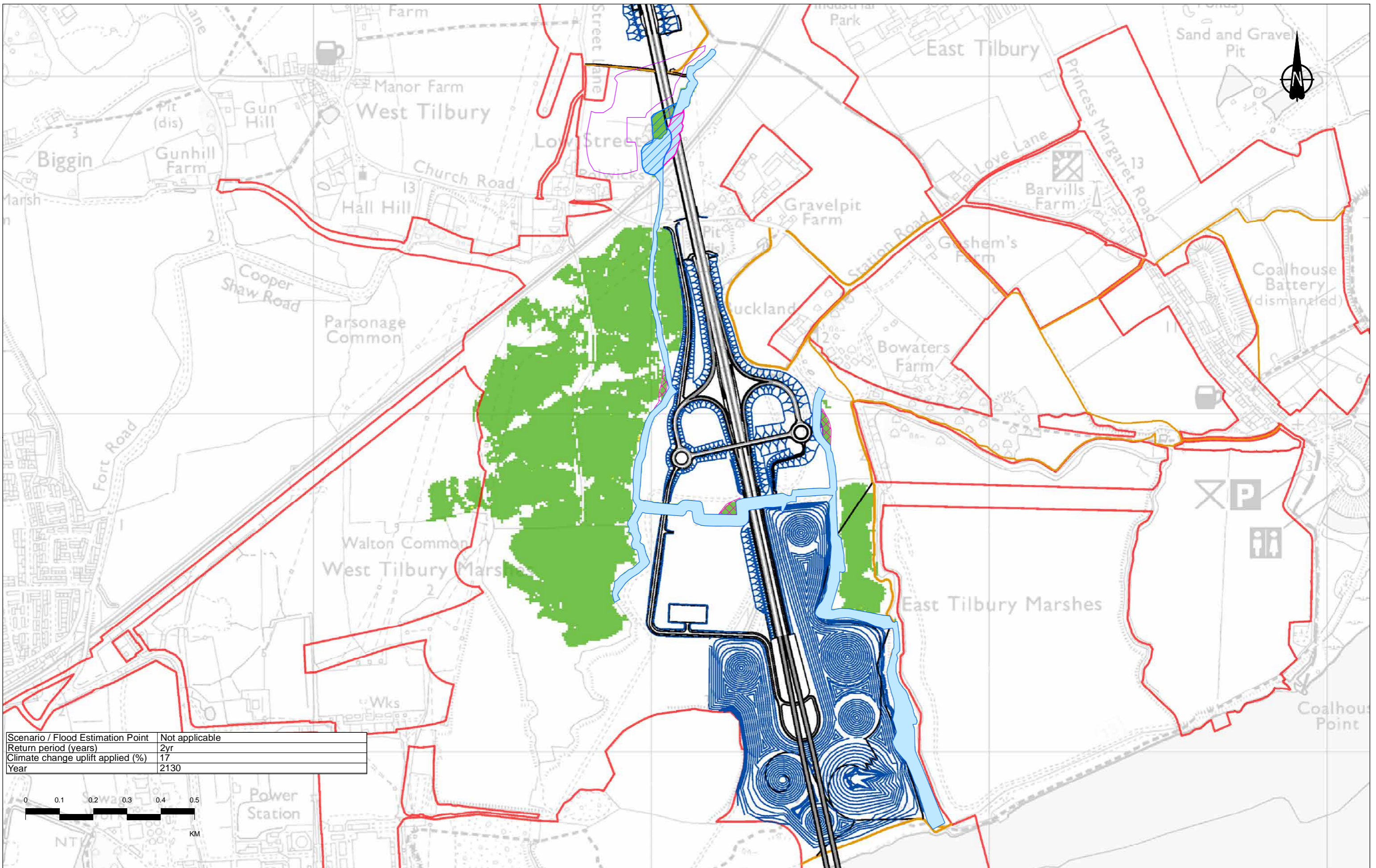
Legend		Proposed LTC alignment Maximum flood velocity (m/s)	
	1D Channel		Alignment
	1D Channel diversions		Earthworks
	Compensation storage area		NMU Routes
	Existing reservoir infilled		0 - 0.25
	Revised reservoir footprint		0.25 - 0.5
	Order Limits		0.5 - 1.0
			1.0 - 2
			> 2.0



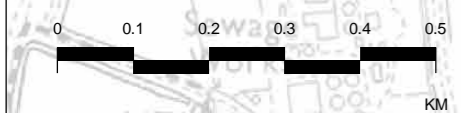
Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (without mitigation) Sheet 2 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00991				

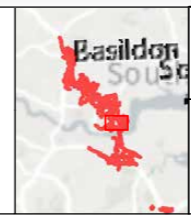


Scenario / Flood Estimation Point	Not applicable
Return period (years)	2yr
Climate change uplift applied (%)	17
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

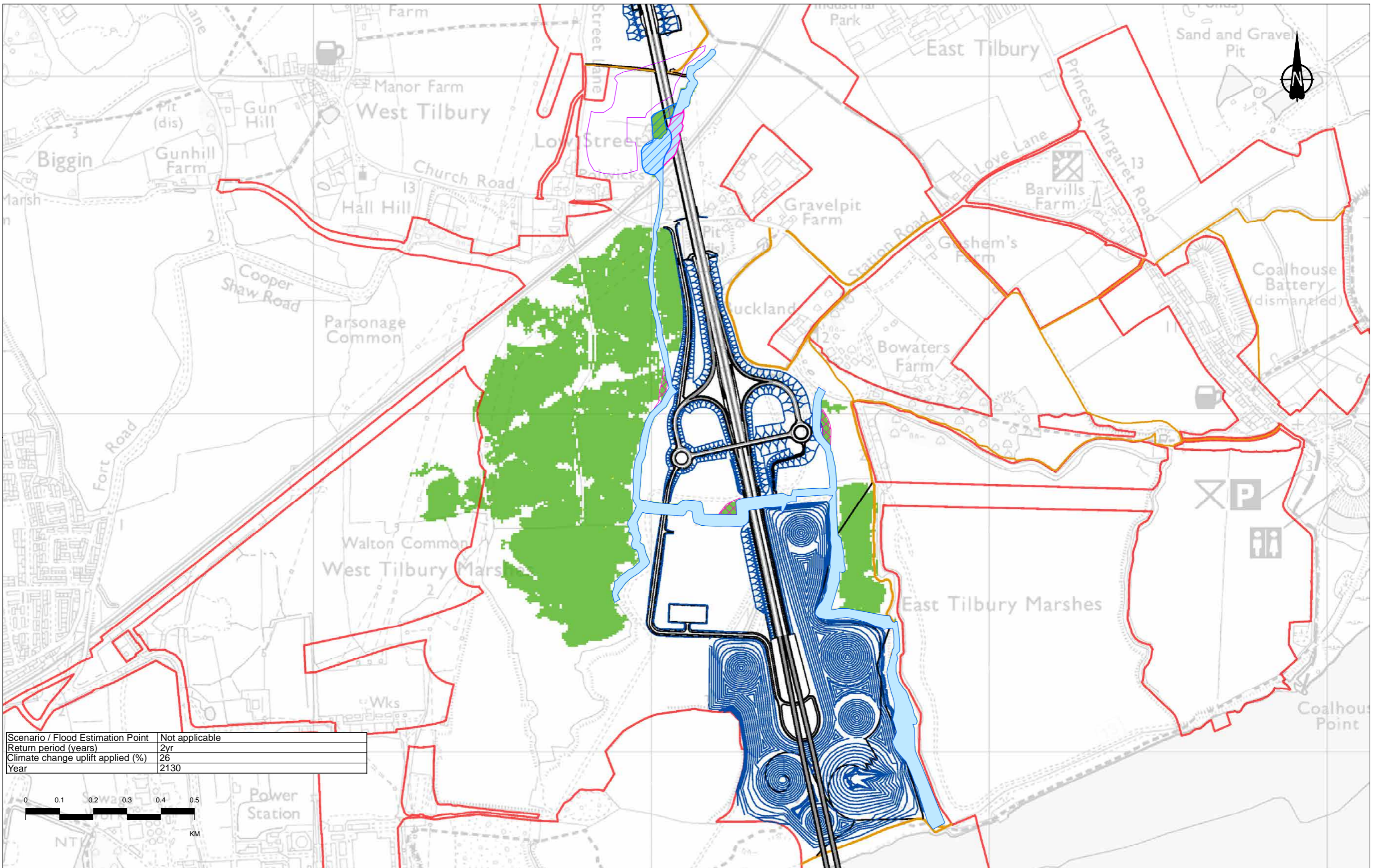
Legend		Proposed LTC alignment Maximum flood velocity (m/s)	
	1D Channel		0 - 0.25
	1D Channel diversions		0.25 - 0.5
	Compensation storage area		0.5 - 1.0
	Existing reservoir infilled		1.0 - 2
	Revised reservoir footprint		> 2.0
	Order Limits		Alignment
			Earthworks
			NMU Routes



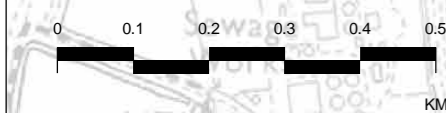
Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (without mitigation) Sheet 3 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00992				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	2yr
Climate change uplift applied (%)	26
Year	2130

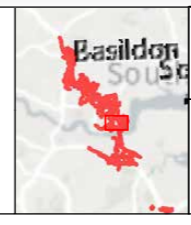


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Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

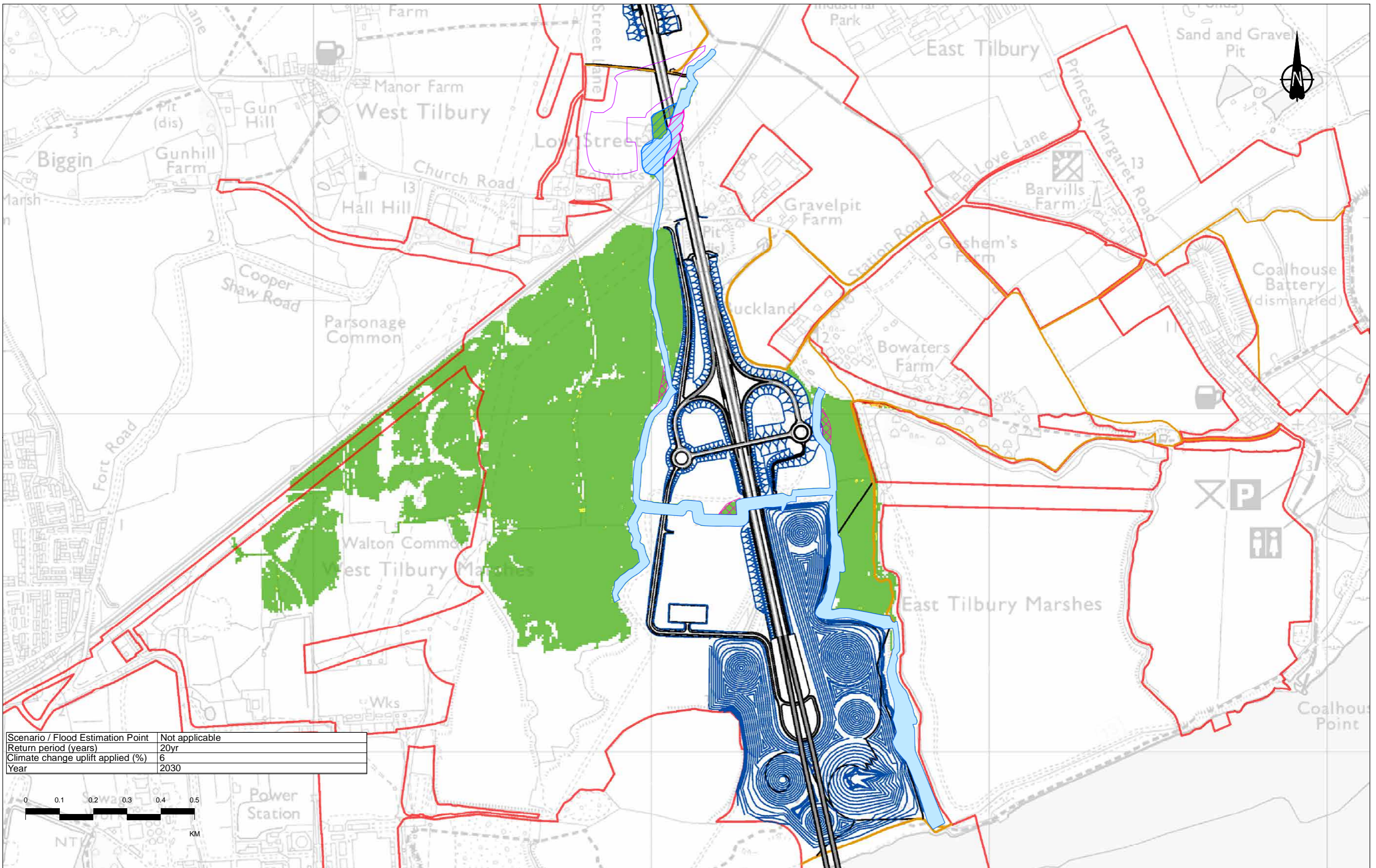
1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s)
1D Channel diversions	Alignment	0 - 0.25
Compensation storage area	Earthworks	0.25 - 0.5
Existing reservoir infilled	NMU Routes	0.5 - 1.0
Revised reservoir footprint		1.0 - 2
Order Limits		> 2.0



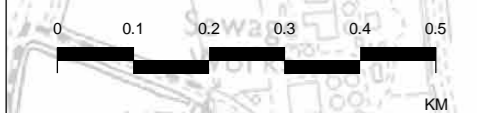
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (without mitigation) Sheet 4 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00993				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	20yr
Climate change uplift applied (%)	6
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

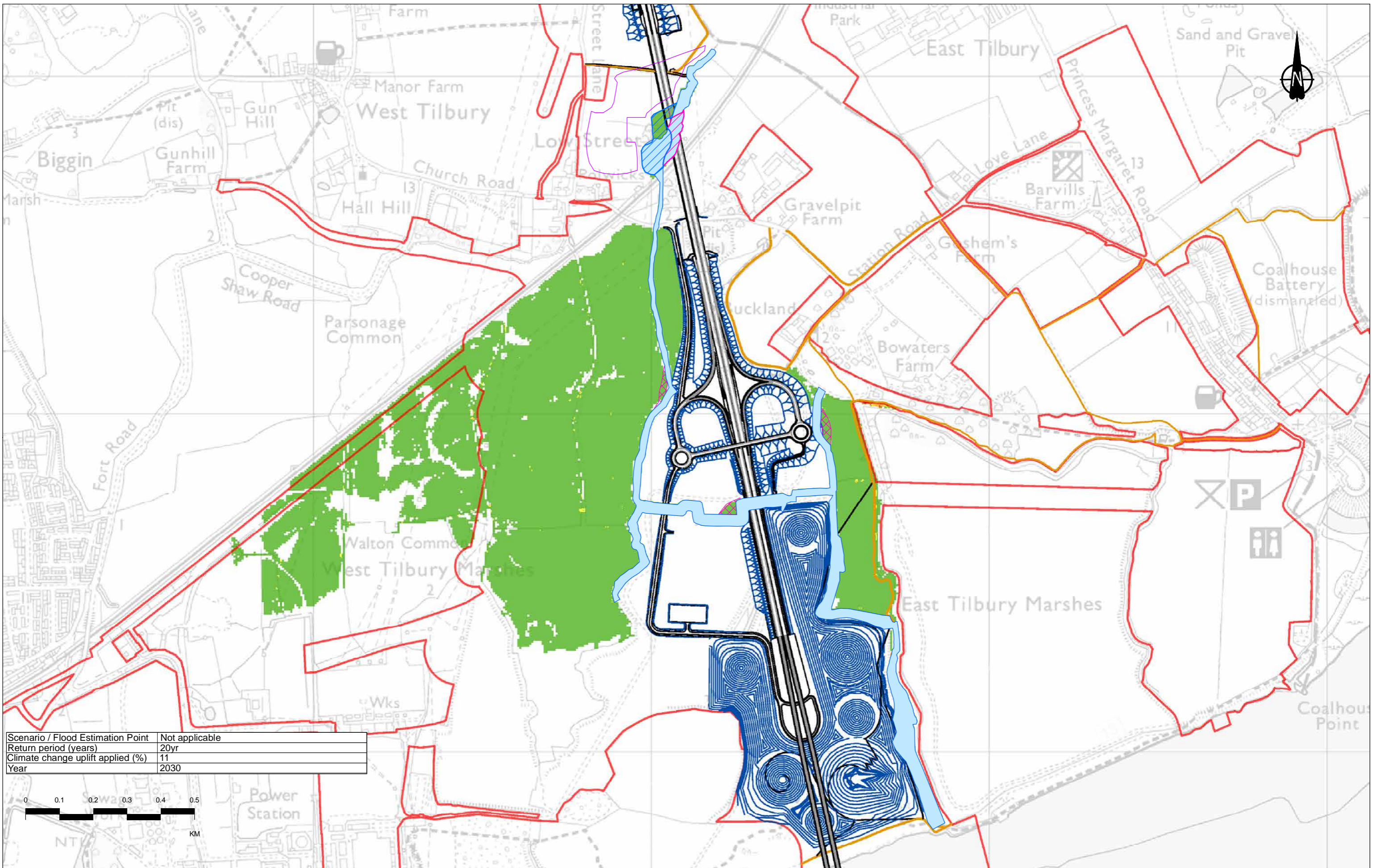
1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s) 0 - 0.25
1D Channel diversions	Earthworks	0.25 - 0.5
Compensation storage area	NMU Routes	0.5 - 1.0
Existing reservoir infilled		1.0 - 2
Revised reservoir footprint		> 2.0
Order Limits		

Client: national highways

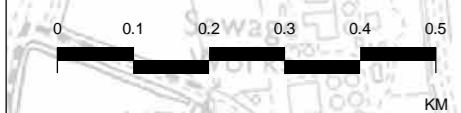
Project: Basildon South

LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (without mitigation) Sheet 5 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00994				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	20yr
Climate change uplift applied (%)	11
Year	2030

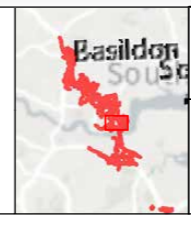


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Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

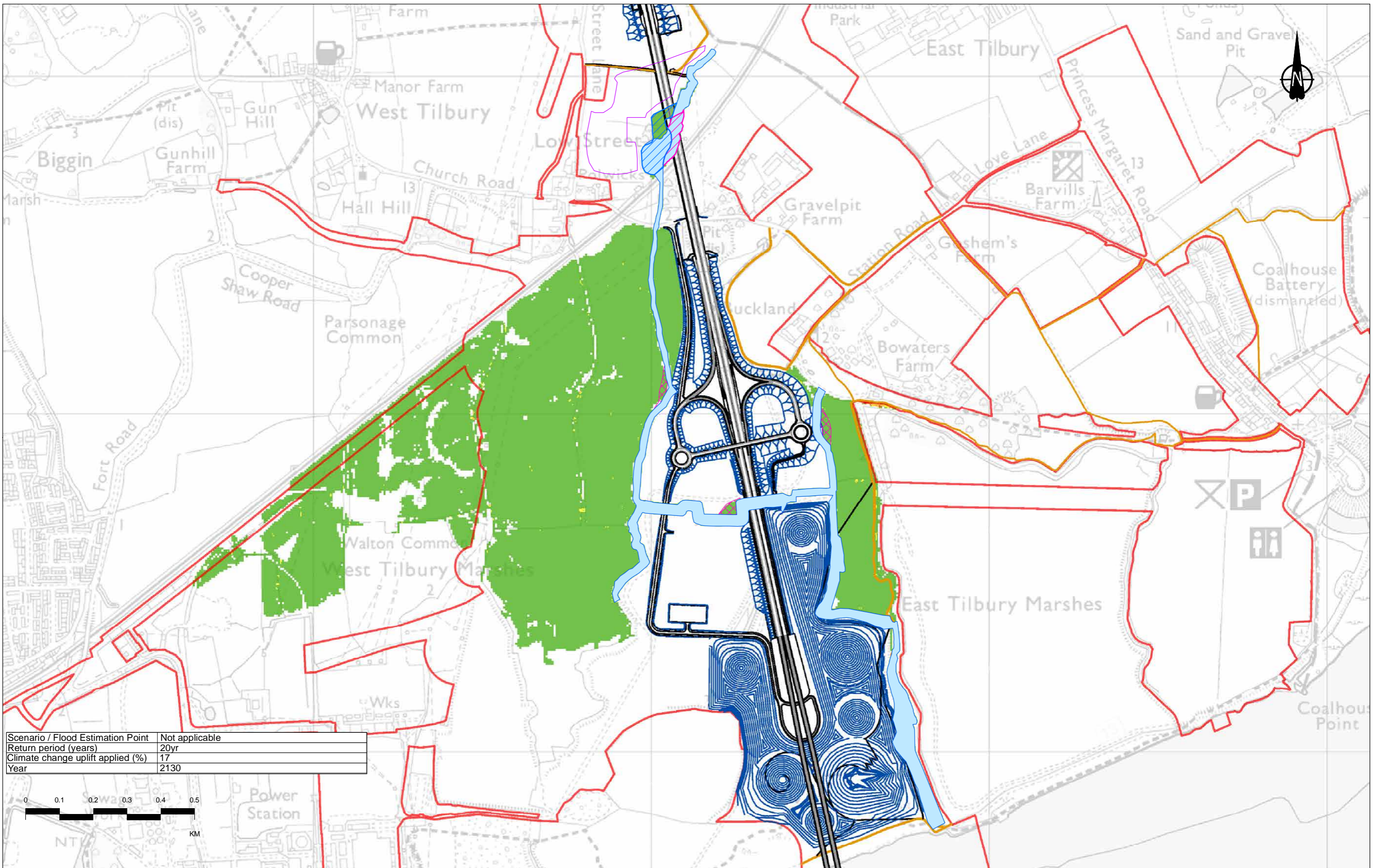
1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s) 0 - 0.25
1D Channel diversions	Alignment	0.25 - 0.5
Compensation storage area	Earthworks	0.5 - 1.0
Existing reservoir infilled	NMU Routes	1.0 - 2
Revised reservoir footprint		> 2.0
Order Limits		



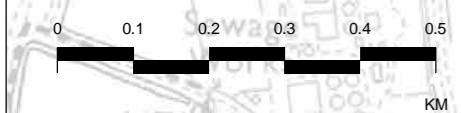
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (without mitigation) Sheet 6 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00995				



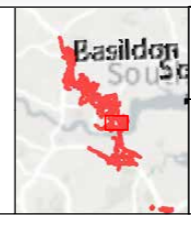
Scenario / Flood Estimation Point	Not applicable
Return period (years)	20yr
Climate change uplift applied (%)	17
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

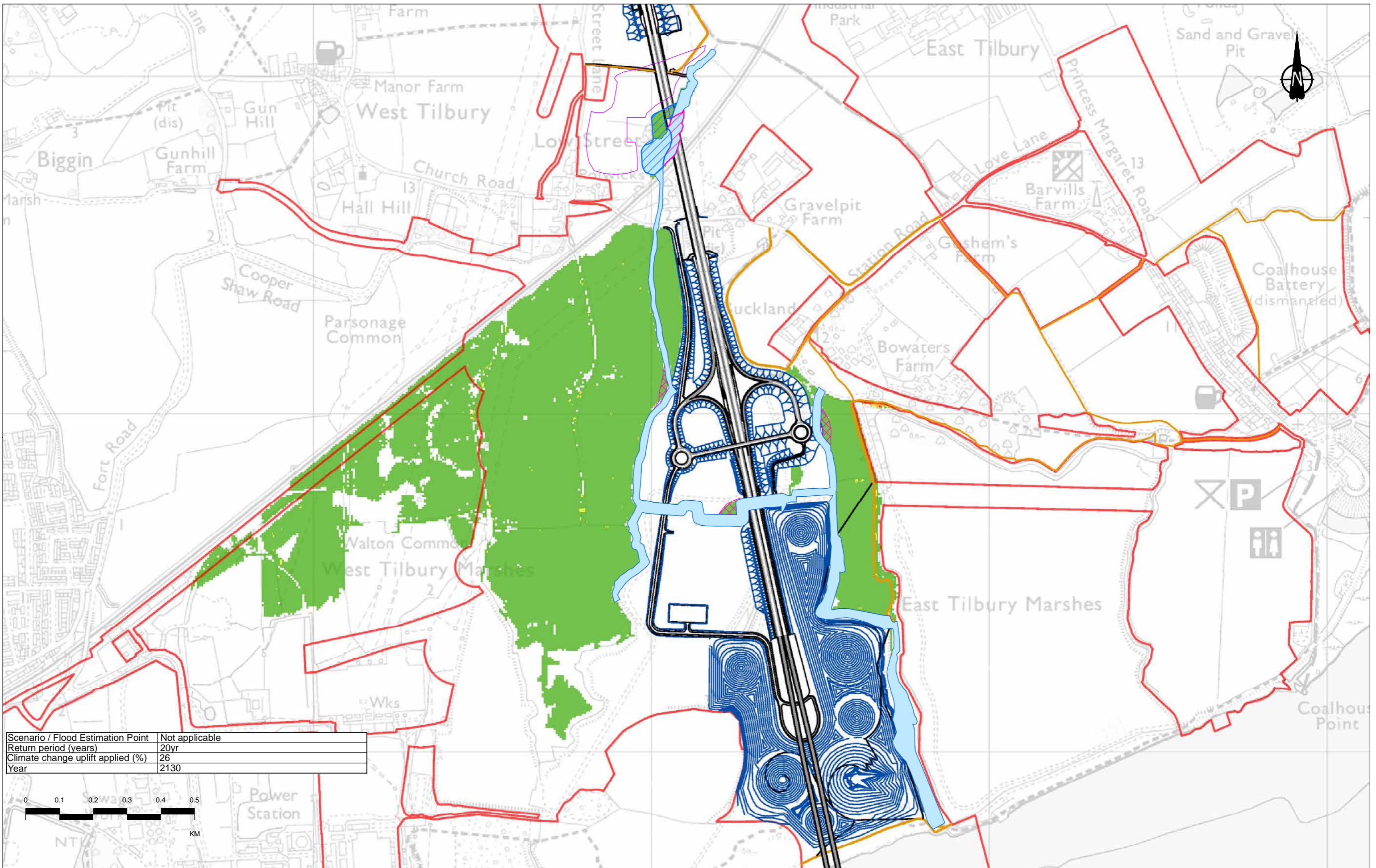
1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s)
1D Channel diversions	Alignment	0 - 0.25
Compensation storage area	Earthworks	0.25 - 0.5
Existing reservoir infilled	NMU Routes	0.5 - 1.0
Revised reservoir footprint		1.0 - 2
Order Limits		> 2.0



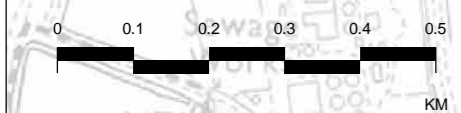
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
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Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00996				



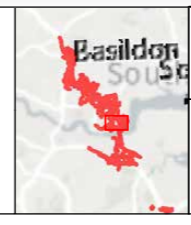
Scenario / Flood Estimation Point	Not applicable
Return period (years)	20yr
Climate change uplift applied (%)	26
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

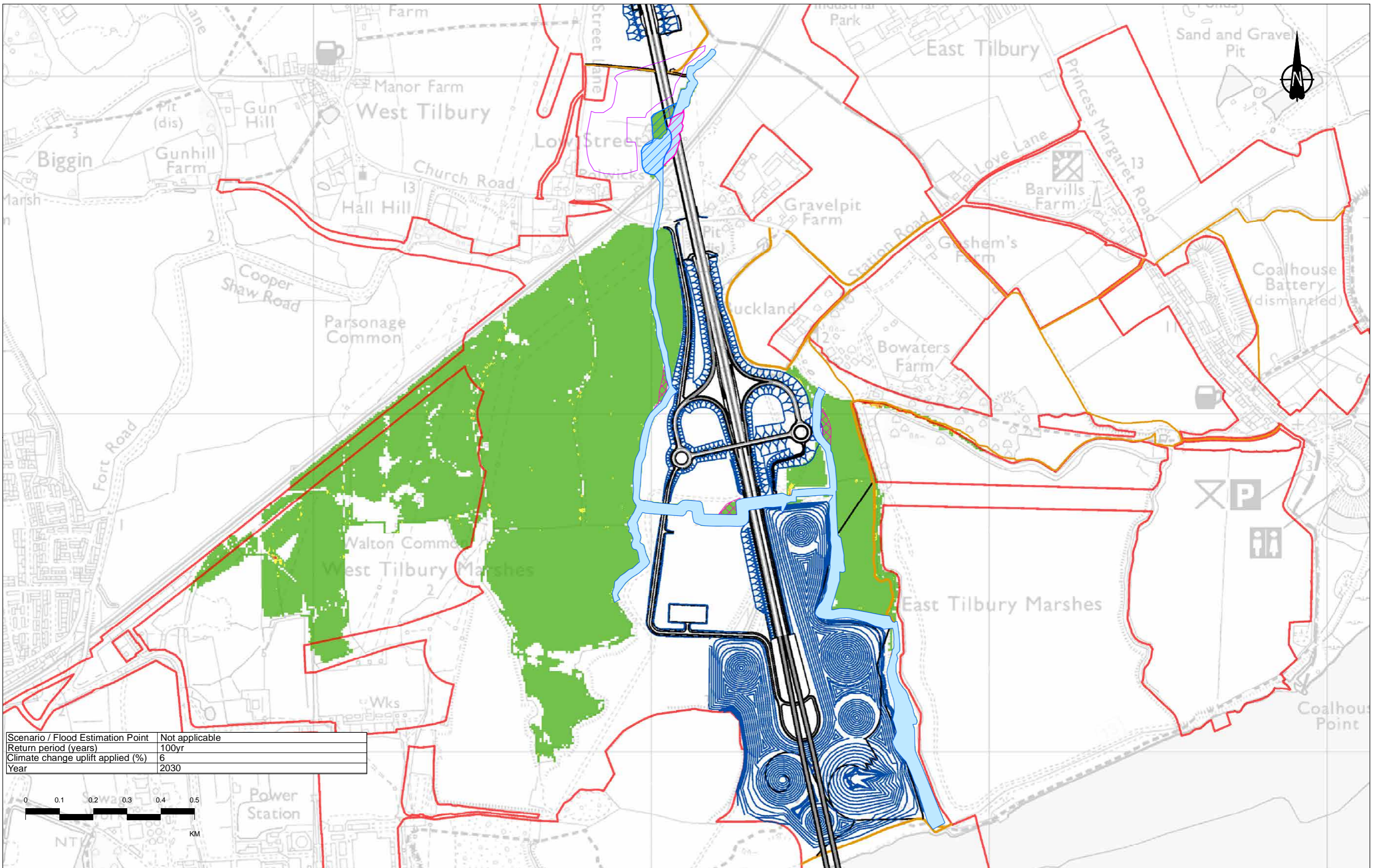
1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s)
1D Channel diversions	Earthworks	0 - 0.25
Compensation storage area	NMU Routes	0.25 - 0.5
Existing reservoir infilled		0.5 - 1.0
Revised reservoir footprint		1.0 - 2
Order Limits		> 2.0



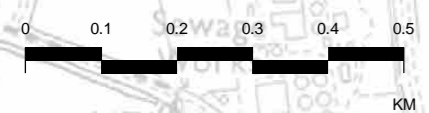
Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
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Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00997				



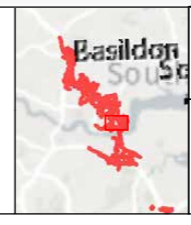
Scenario / Flood Estimation Point	Not applicable
Return period (years)	100yr
Climate change uplift applied (%)	6
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

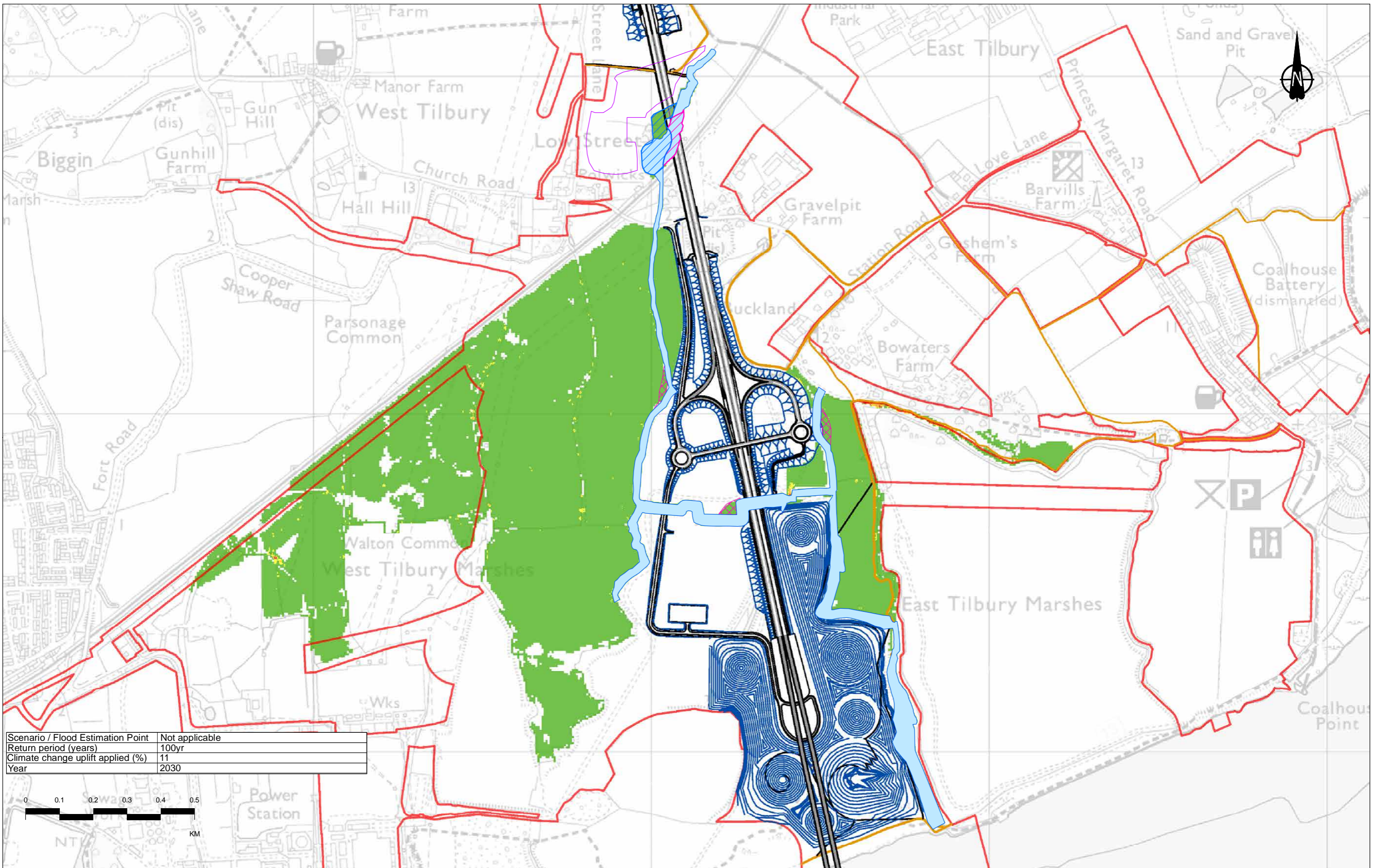
1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s)
1D Channel diversions	Alignment	0 - 0.25
Compensation storage area	Earthworks	0.25 - 0.5
Existing reservoir infilled	NMU Routes	0.5 - 1.0
Revised reservoir footprint		1.0 - 2
Order Limits		> 2.0



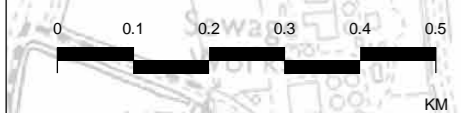
Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
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Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00998				



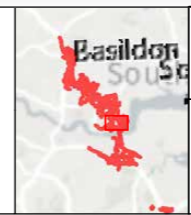
Scenario / Flood Estimation Point	Not applicable
Return period (years)	100yr
Climate change uplift applied (%)	11
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

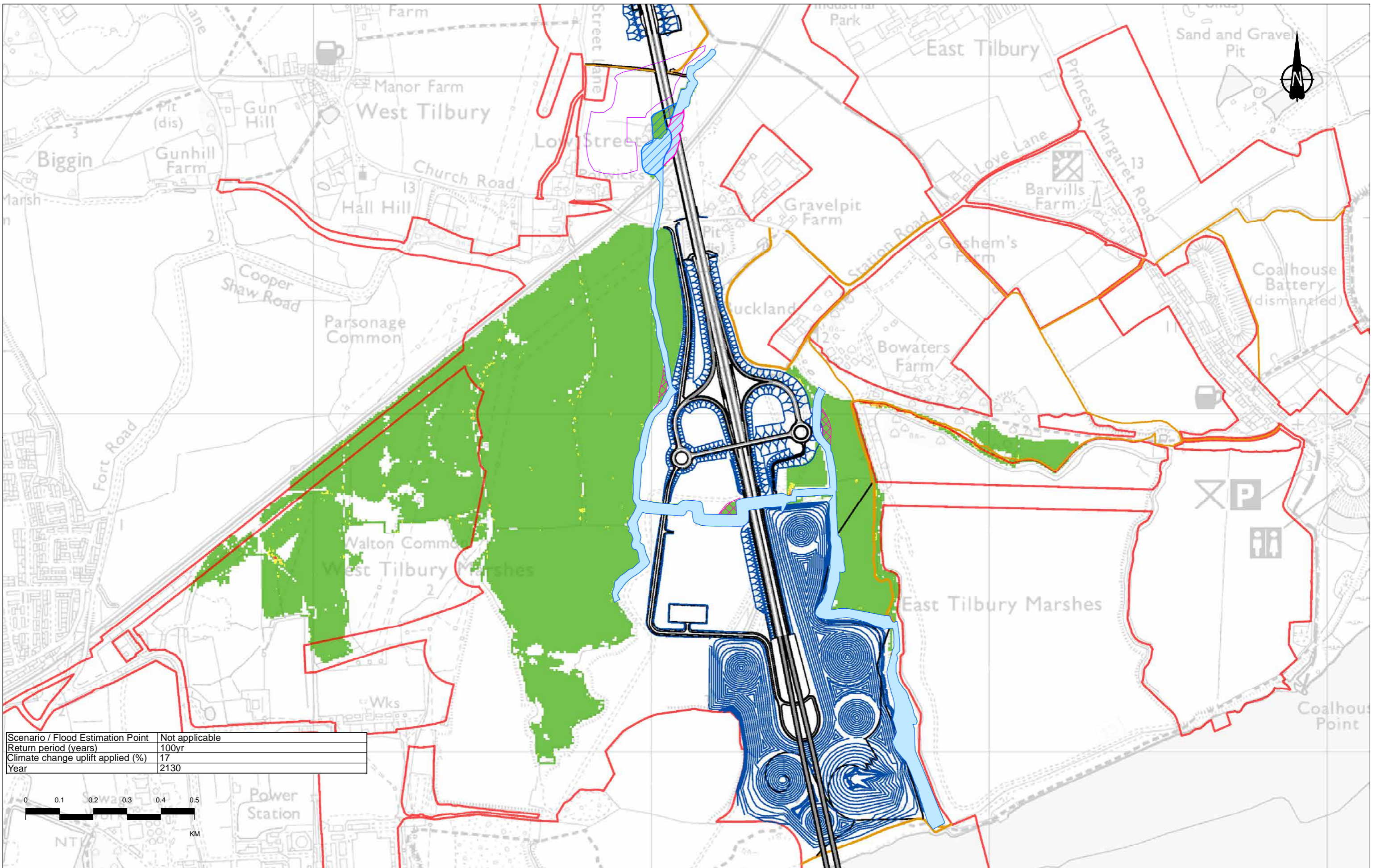
1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s)
1D Channel diversions	Earthworks	0 - 0.25
Compensation storage area	NMU Routes	0.25 - 0.5
Existing reservoir infilled		0.5 - 1.0
Revised reservoir footprint		1.0 - 2
Order Limits		> 2.0



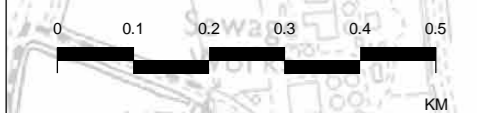
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (without mitigation) Sheet 10 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00999				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	100yr
Climate change uplift applied (%)	17
Year	2130

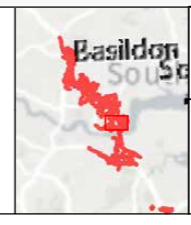


Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s)
1D Channel diversions	Earthworks	
Compensation storage area	NMU Routes	
Existing reservoir infilled		
Revised reservoir footprint		
Order Limits		

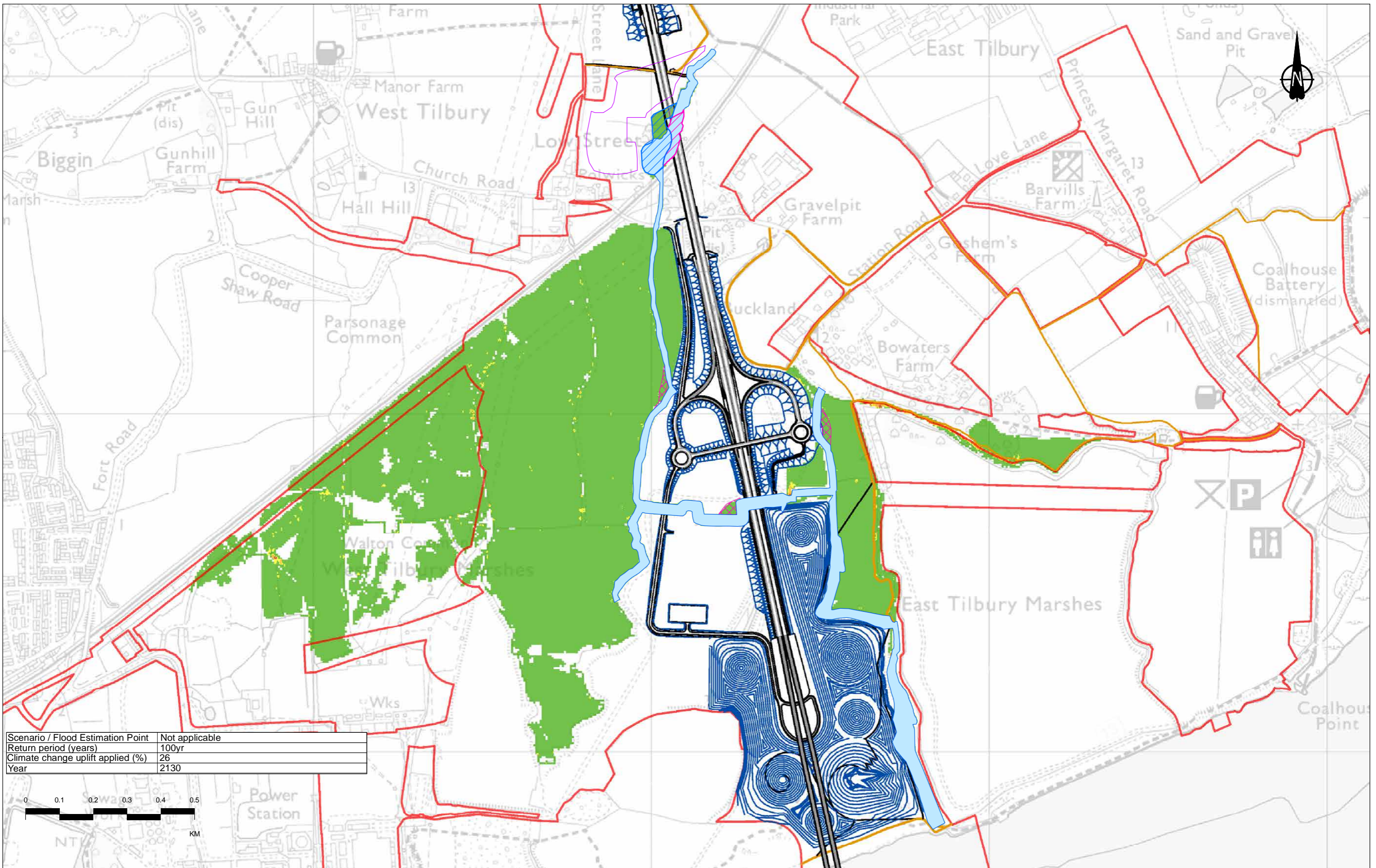
	0 - 0.25
	0.25 - 0.5
	0.5 - 1.0
	1.0 - 2
	> 2.0



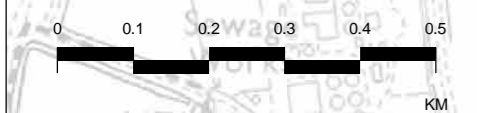
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Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
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Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01000				



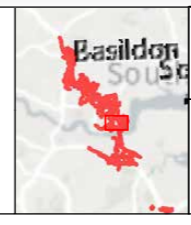
Scenario / Flood Estimation Point	Not applicable
Return period (years)	100yr
Climate change uplift applied (%)	26
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

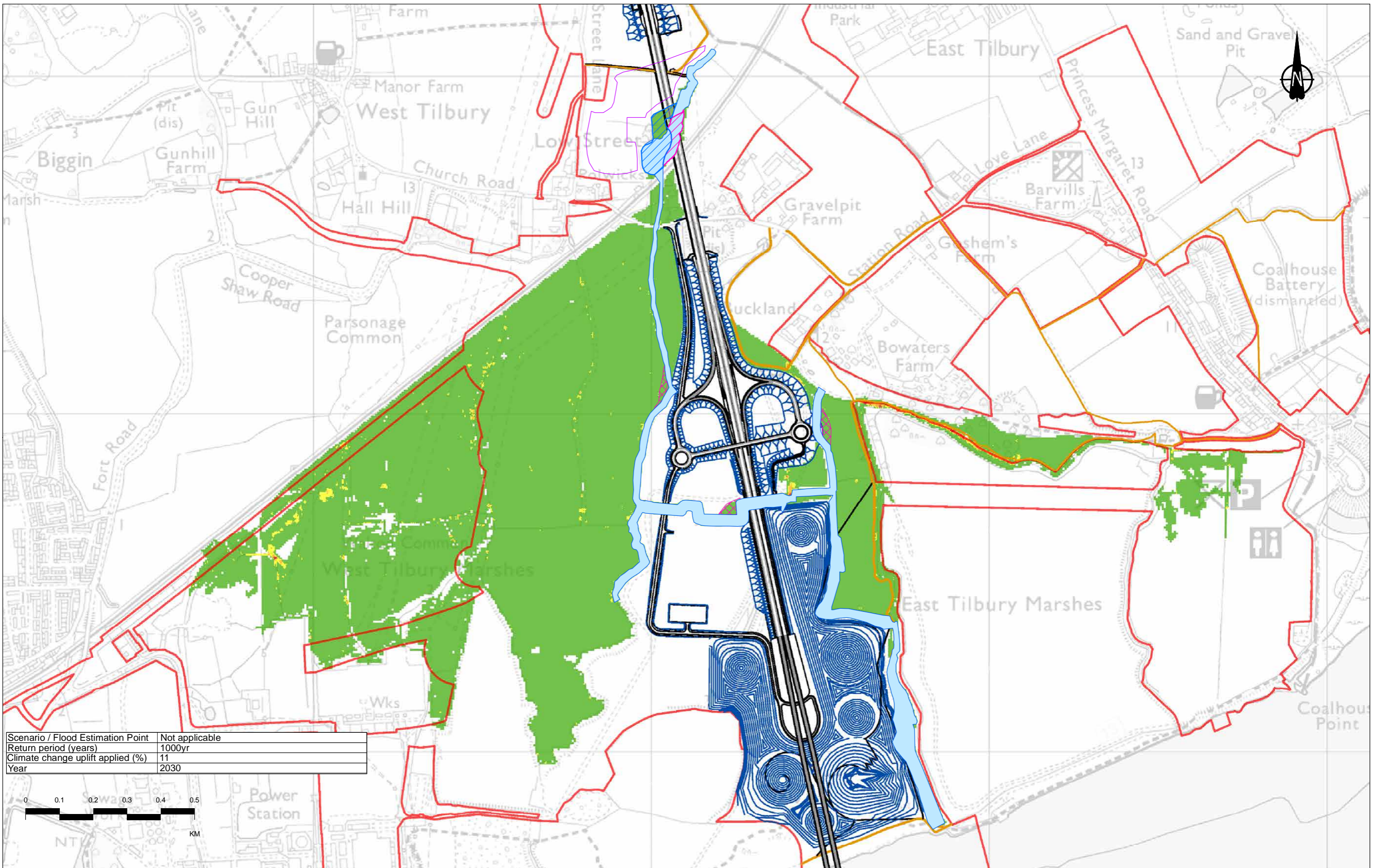
1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s) 0 - 0.25
1D Channel diversions	Earthworks	0.25 - 0.5
Compensation storage area	NMU Routes	0.5 - 1.0
Existing reservoir infilled		1.0 - 2
Revised reservoir footprint		> 2.0
Order Limits		



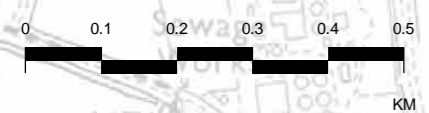
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (without mitigation) Sheet 12 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01001				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	1000yr
Climate change uplift applied (%)	11
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

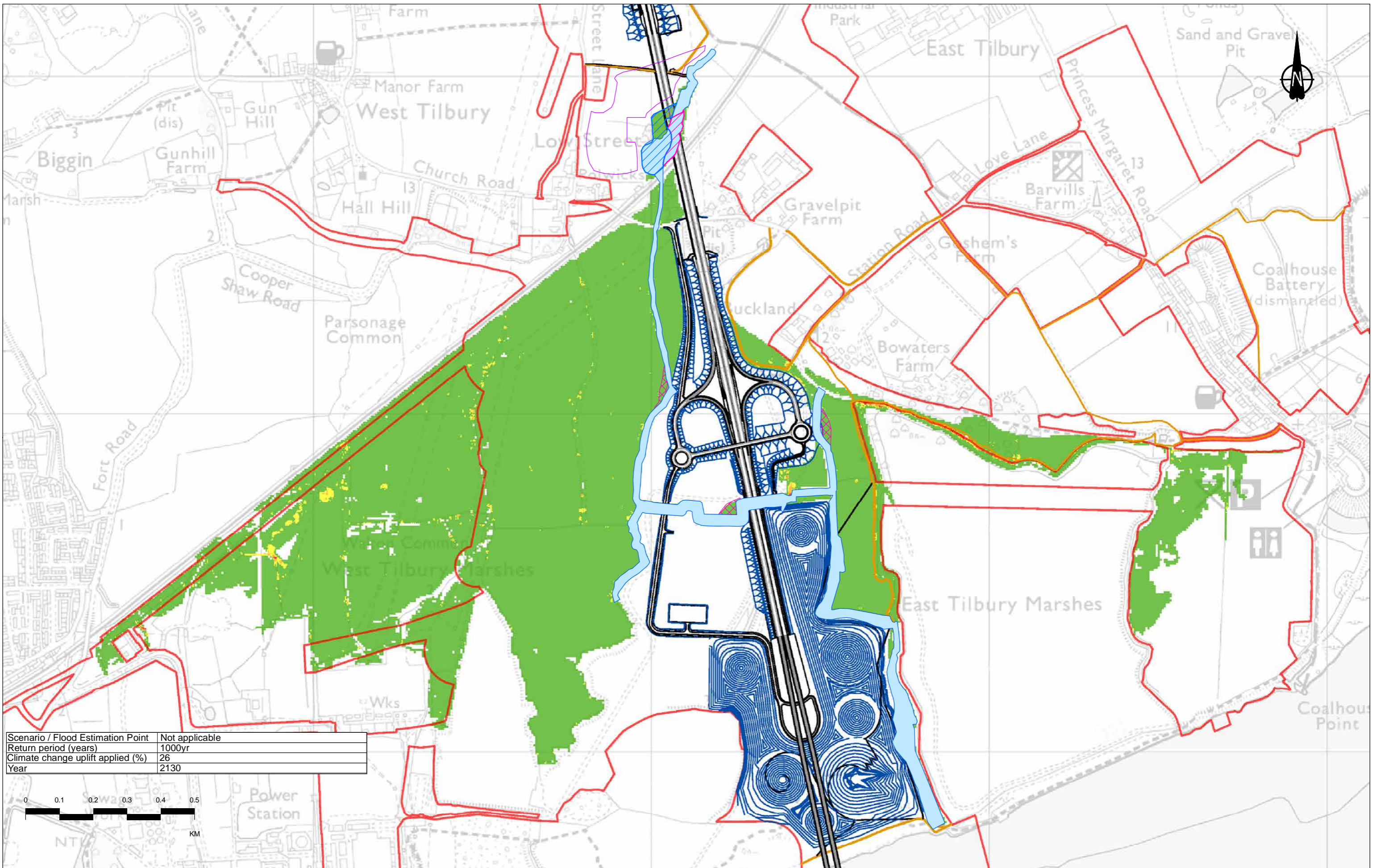
1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s) 0 - 0.25
1D Channel diversions	Earthworks	0.25 - 0.5
Compensation storage area	NMU Routes	0.5 - 1.0
Existing reservoir infilled		1.0 - 2
Revised reservoir footprint		> 2.0
Order Limits		



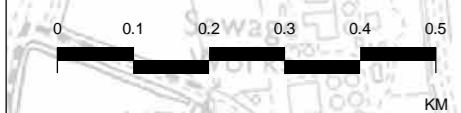
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
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Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01002				

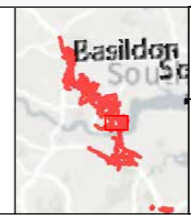


Scenario / Flood Estimation Point	Not applicable
Return period (years)	1000yr
Climate change uplift applied (%)	26
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

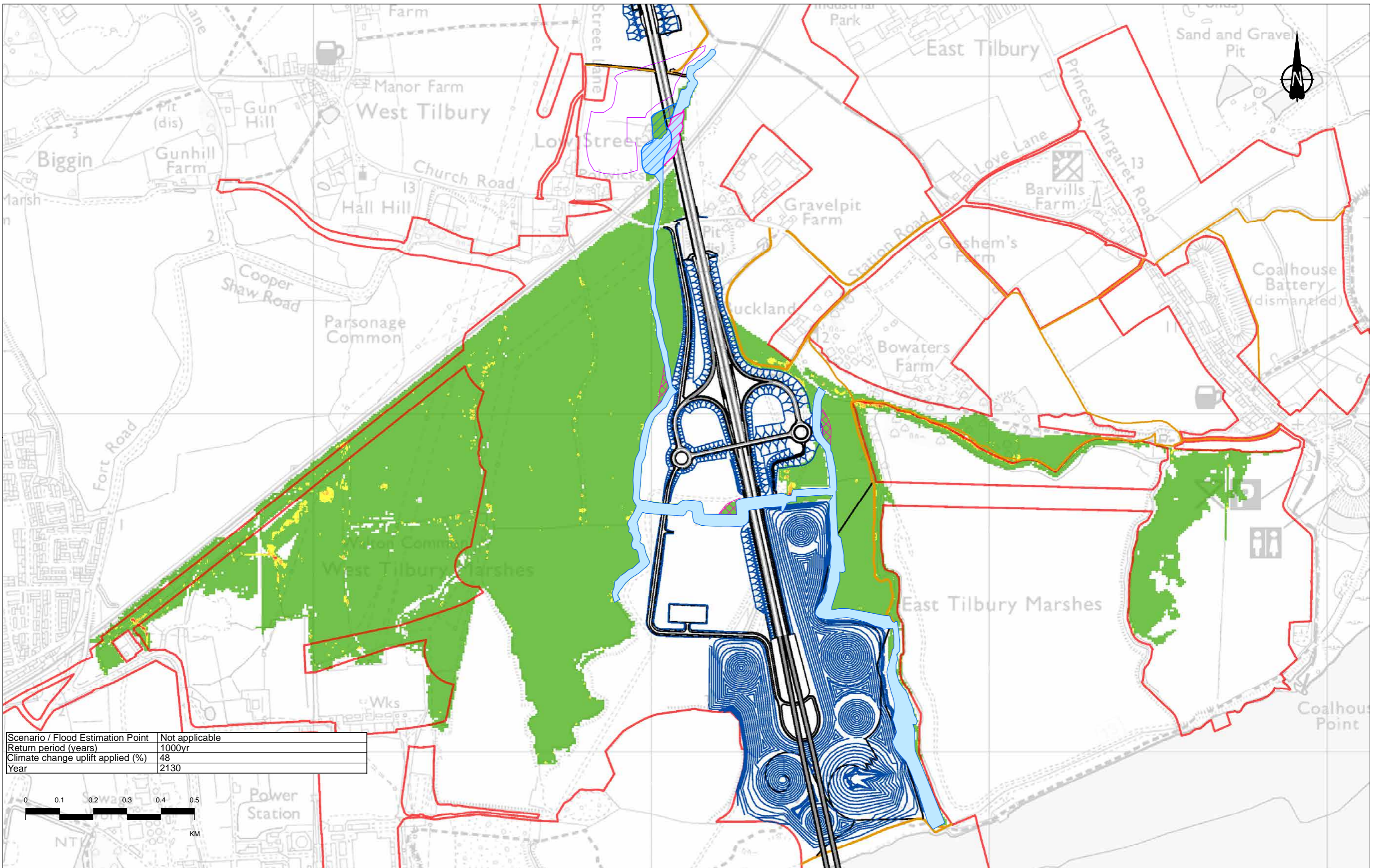
Legend		Proposed LTC alignment		Maximum flood velocity (m/s)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2
	Revised reservoir footprint				> 2.0
	Order Limits				



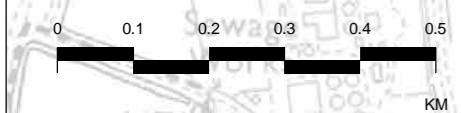
Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (without mitigation) Sheet 14 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01003				



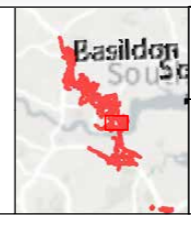
Scenario / Flood Estimation Point	Not applicable
Return period (years)	1000yr
Climate change uplift applied (%)	48
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

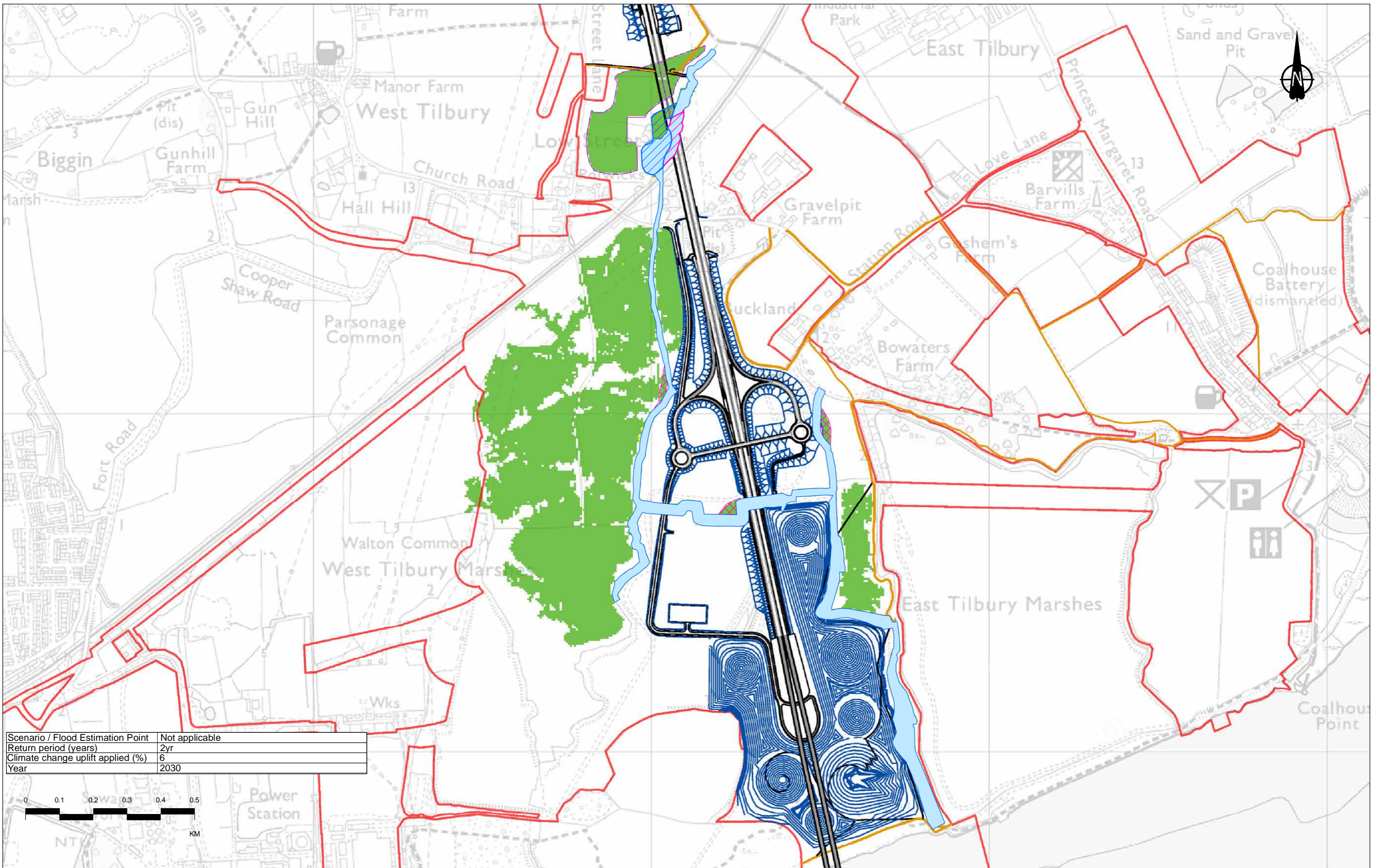
1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s)
1D Channel diversions	Earthworks	0 - 0.25
Compensation storage area	NMU Routes	0.25 - 0.5
Existing reservoir infilled		0.5 - 1.0
Revised reservoir footprint		1.0 - 2
Order Limits		> 2.0



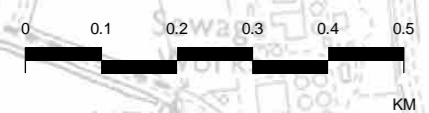
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Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (without mitigation) Sheet 15 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01004				

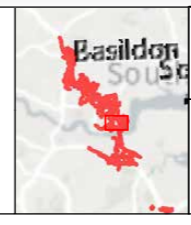


Scenario / Flood Estimation Point	Not applicable
Return period (years)	2yr
Climate change uplift applied (%)	6
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

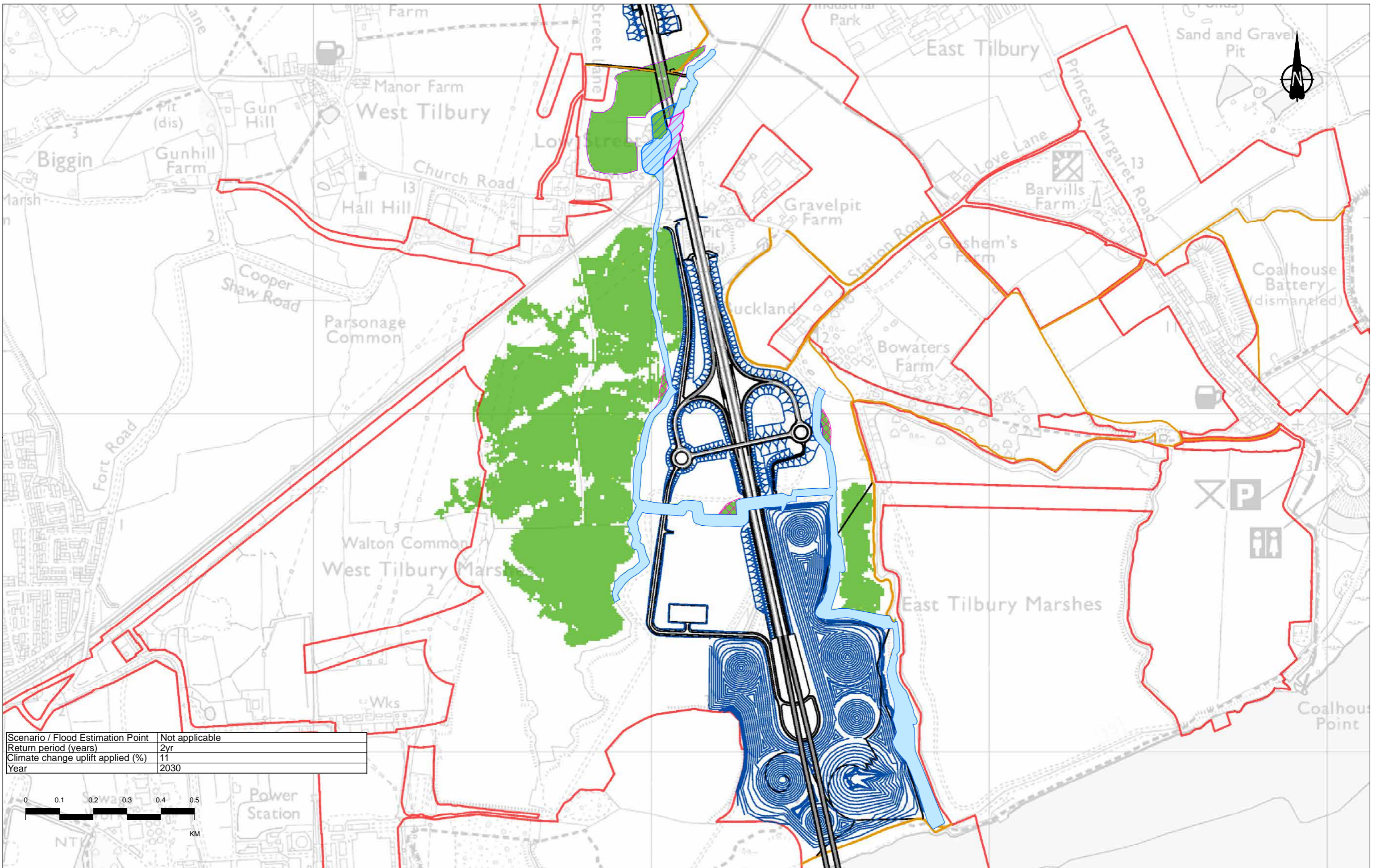
Legend		Proposed LTC alignment		Maximum flood velocity (m/s)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2
	Revised reservoir footprint				> 2.0
	Order Limits				



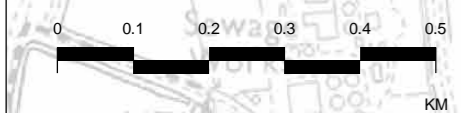
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (with mitigation) Sheet 1 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01005				



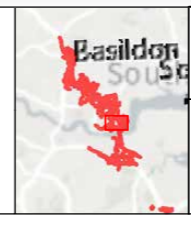
Scenario / Flood Estimation Point	Not applicable
Return period (years)	2yr
Climate change uplift applied (%)	11
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

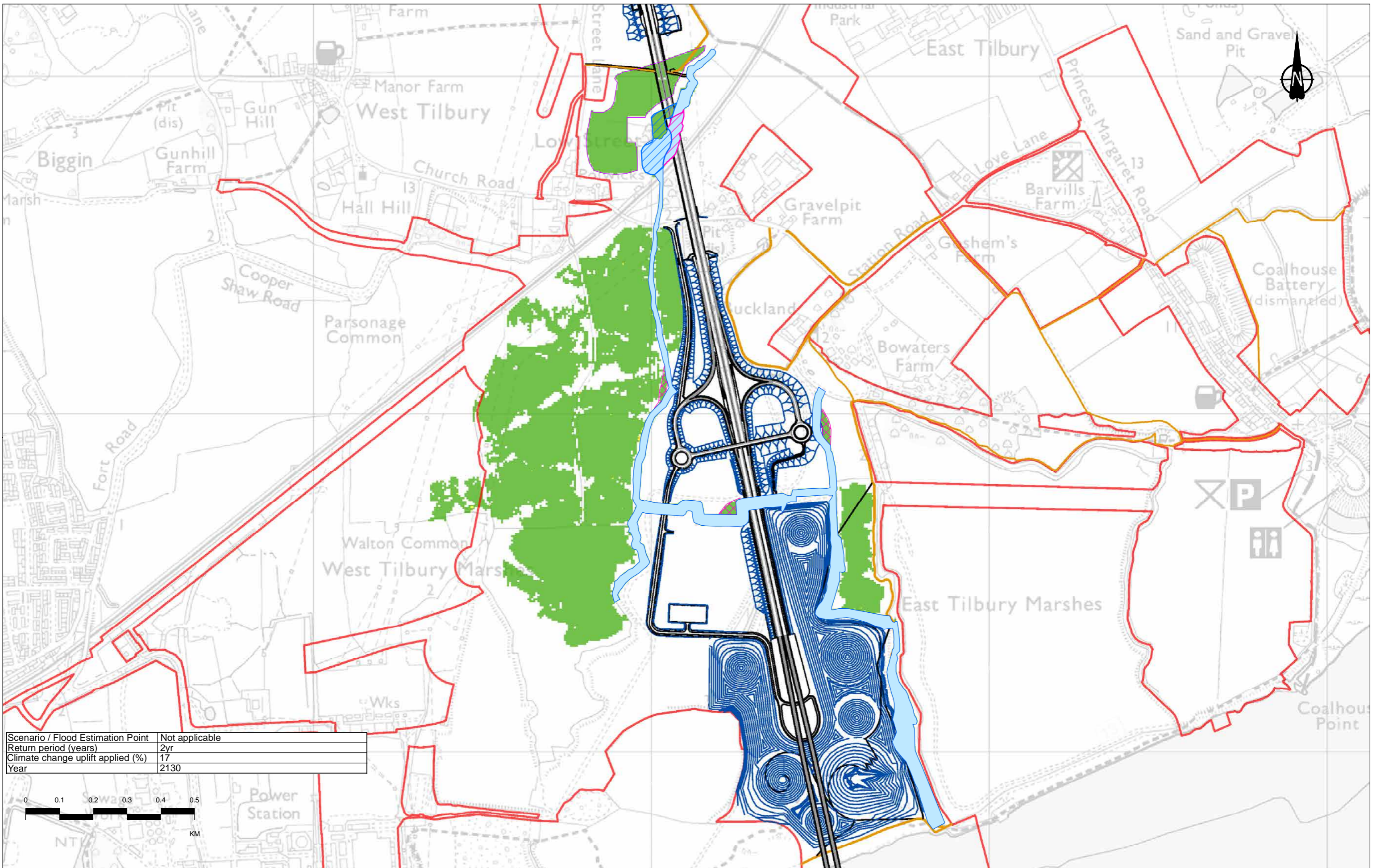
1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s) 0 - 0.25
1D Channel diversions	Earthworks	0.25 - 0.5
Compensation storage area	NMU Routes	0.5 - 1.0
Existing reservoir infilled		1.0 - 2
Revised reservoir footprint		> 2.0
Order Limits		



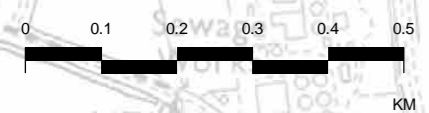
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (with mitigation) Sheet 2 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01006				

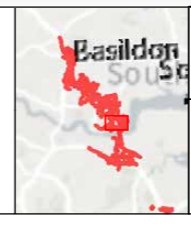


Scenario / Flood Estimation Point	Not applicable
Return period (years)	2yr
Climate change uplift applied (%)	17
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

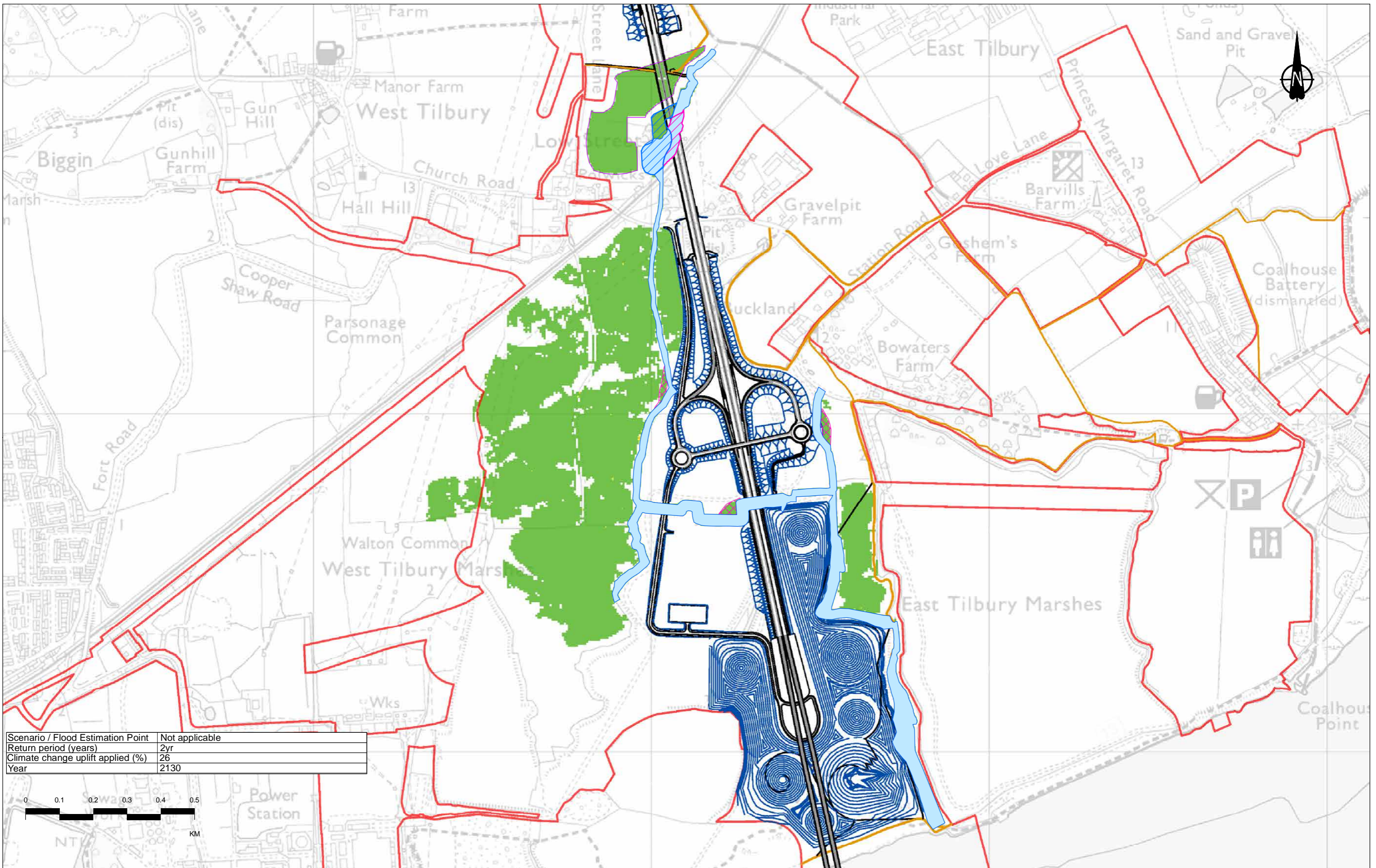
Legend		Proposed LTC alignment Maximum flood velocity (m/s)	
	1D Channel		Alignment
	1D Channel diversions		Earthworks
	Compensation storage area		NMU Routes
	Existing reservoir infilled		0 - 0.25
	Revised reservoir footprint		0.25 - 0.5
	Order Limits		0.5 - 1.0
			1.0 - 2
			> 2.0



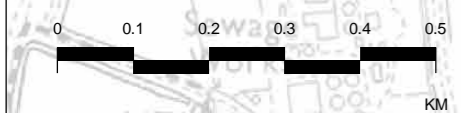
Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (with mitigation) Sheet 3 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01007				



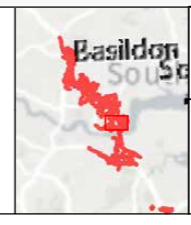
Scenario / Flood Estimation Point	Not applicable
Return period (years)	2yr
Climate change uplift applied (%)	26
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

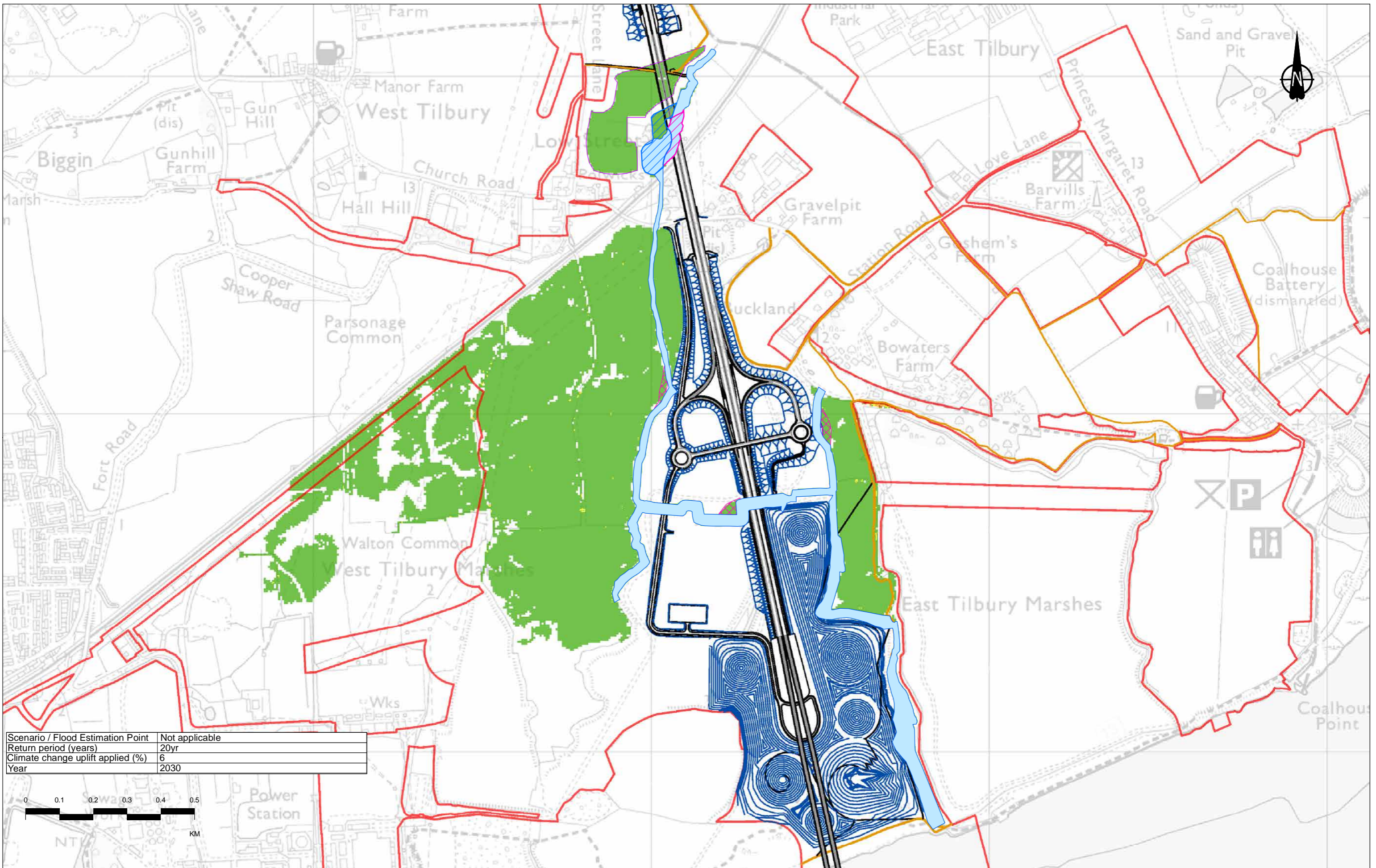
1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s) 0 - 0.25
1D Channel diversions	Earthworks	0.25 - 0.5
Compensation storage area	NMU Routes	0.5 - 1.0
Existing reservoir infilled		1.0 - 2
Revised reservoir footprint		> 2.0
Order Limits		



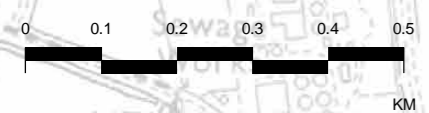
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (with mitigation) Sheet 4 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01008				

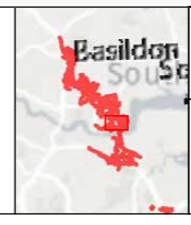


Scenario / Flood Estimation Point	Not applicable
Return period (years)	20yr
Climate change uplift applied (%)	6
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

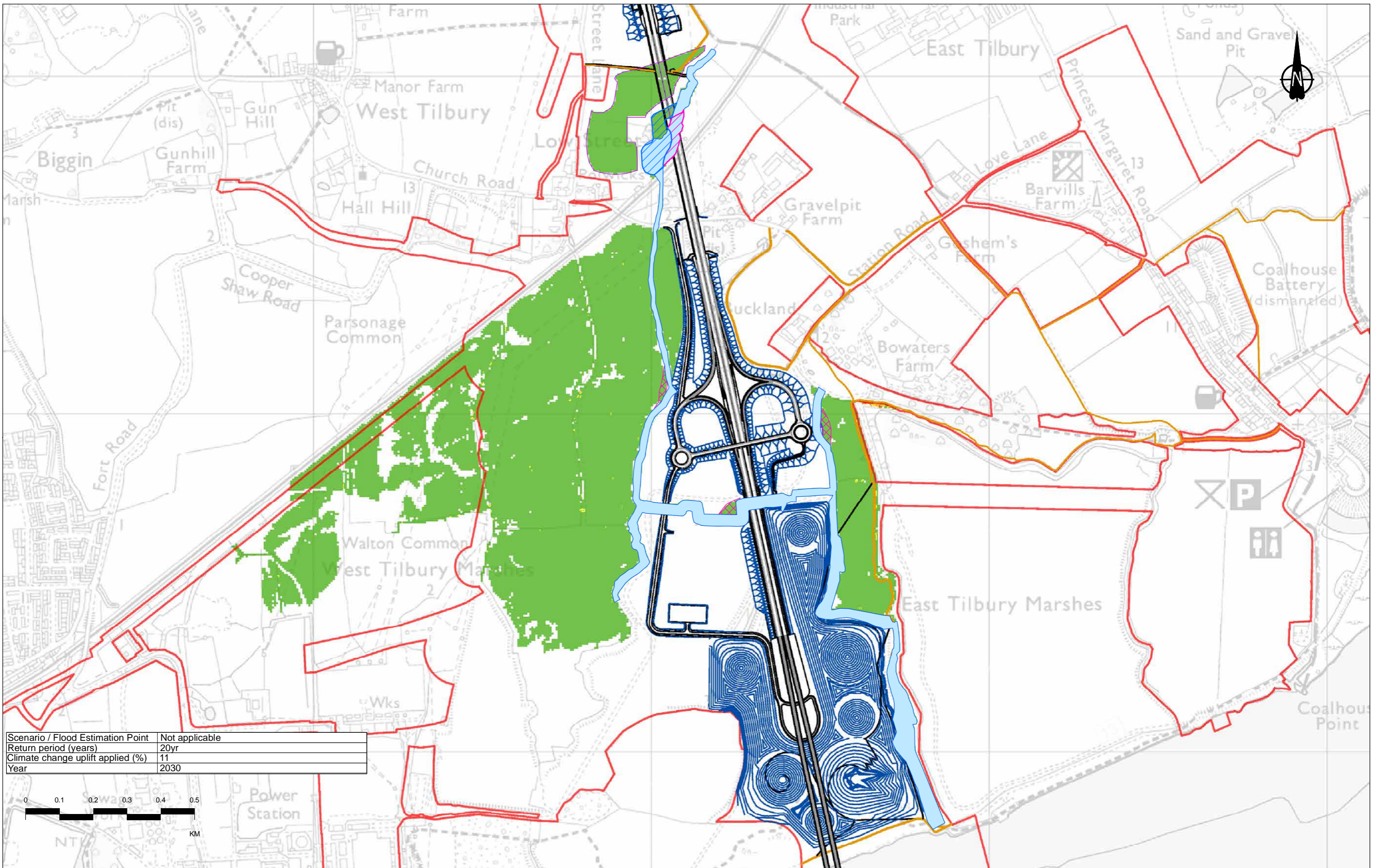
Legend		Proposed LTC alignment		Maximum flood velocity (m/s)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2
	Revised reservoir footprint				> 2.0
	Order Limits				



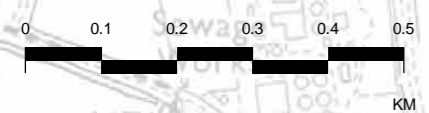
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (with mitigation) Sheet 5 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01009				

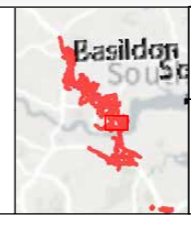


Scenario / Flood Estimation Point	Not applicable
Return period (years)	20yr
Climate change uplift applied (%)	11
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

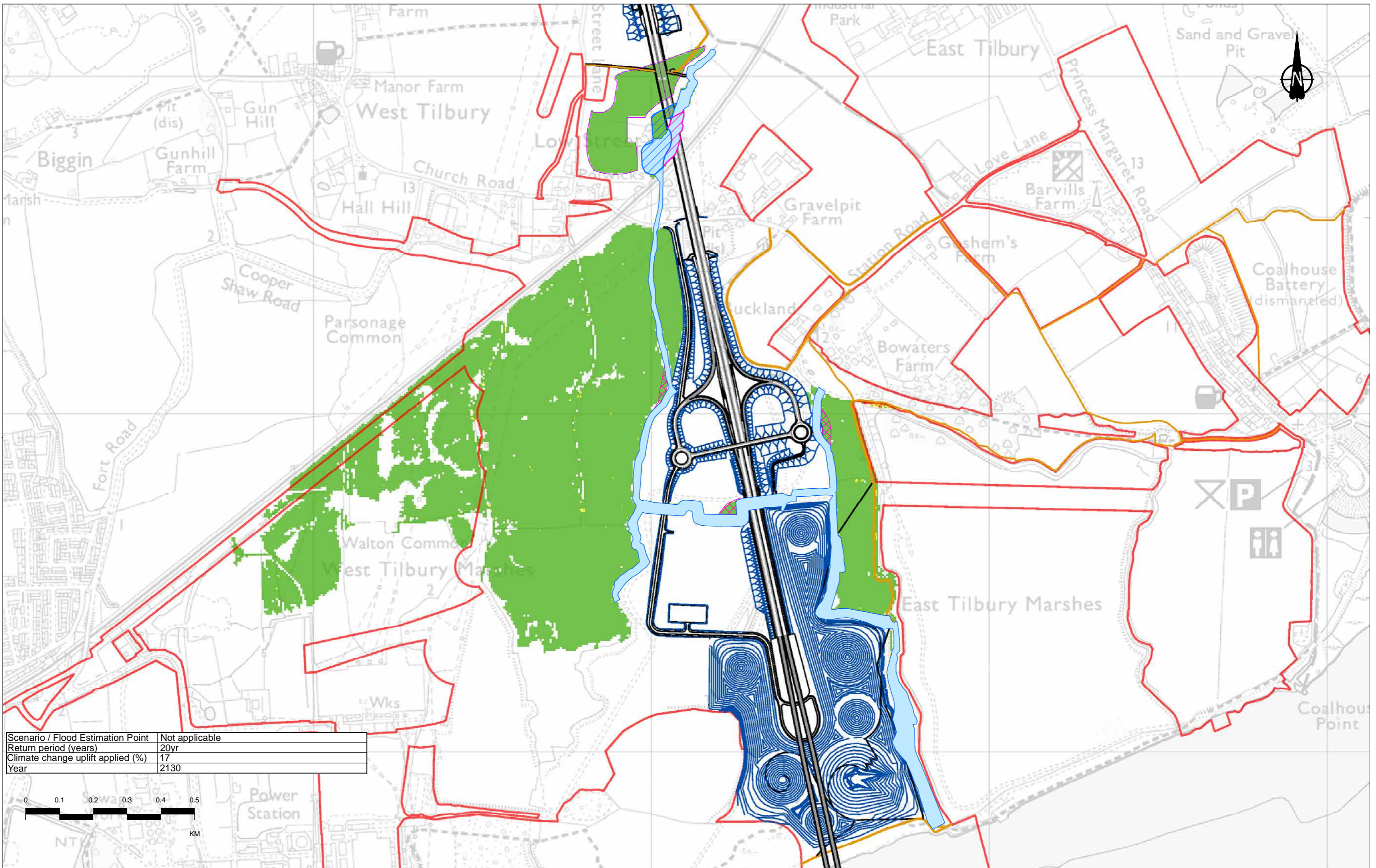
Legend		Proposed LTC alignment Maximum flood velocity (m/s)	
	1D Channel		0 - 0.25
	1D Channel diversions		0.25 - 0.5
	Compensation storage area		0.5 - 1.0
	Existing reservoir infilled		1.0 - 2
	Revised reservoir footprint		> 2.0
	Order Limits		Alignment
			Earthworks
			NMU Routes



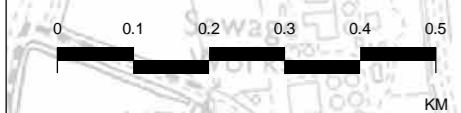
Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (with mitigation) Sheet 6 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01010				



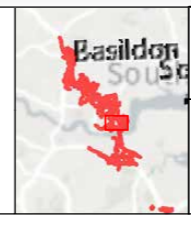
Scenario / Flood Estimation Point	Not applicable
Return period (years)	20yr
Climate change uplift applied (%)	17
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

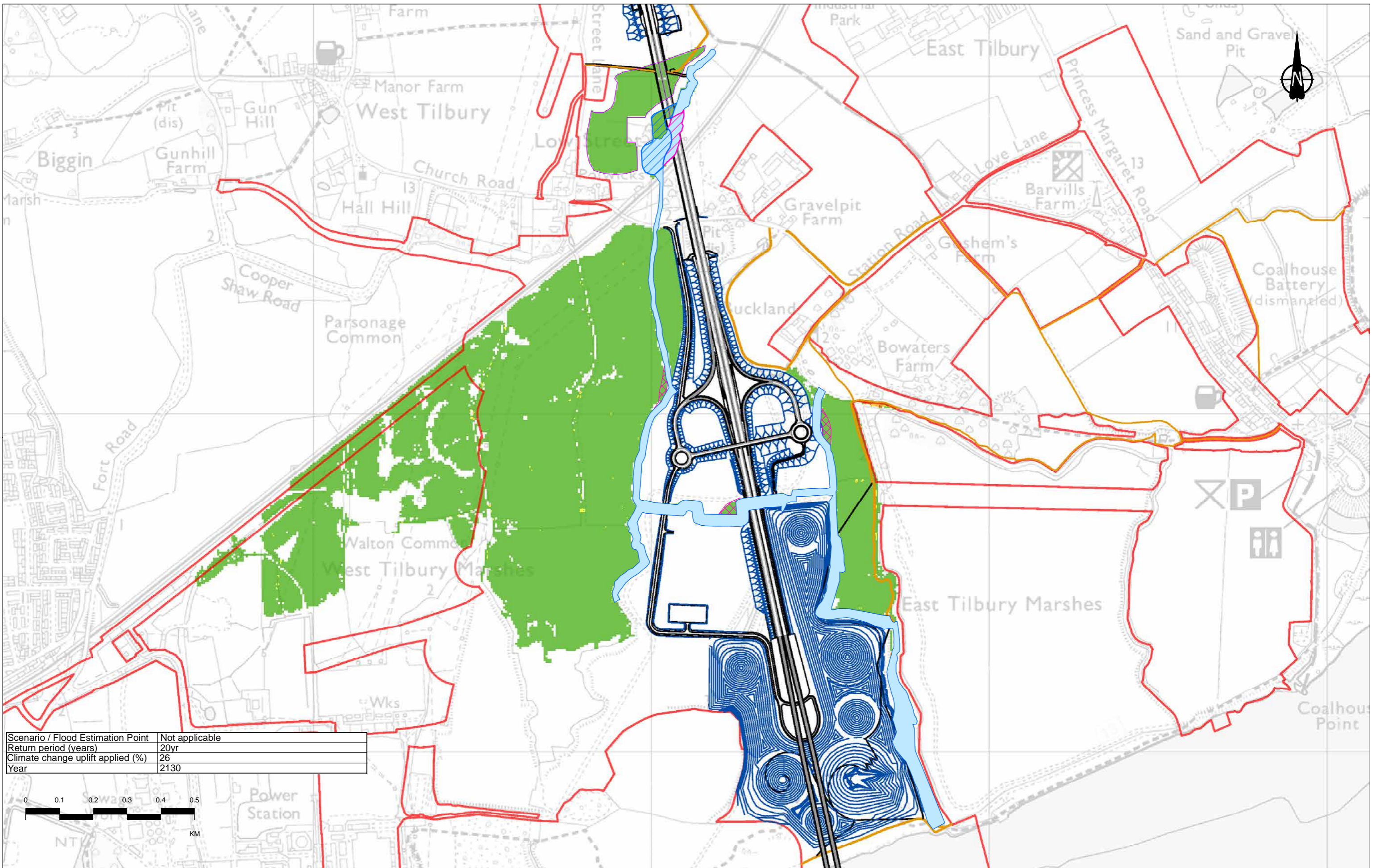
1D Channel	Alignment	Proposed LTC alignment Maximum flood velocity (m/s)	0 - 0.25
1D Channel diversions	Earthworks		0.25 - 0.5
Compensation storage area	NMU Routes		0.5 - 1.0
Existing reservoir infilled			1.0 - 2
Revised reservoir footprint			> 2.0
Order Limits			



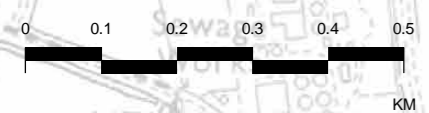
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (with mitigation) Sheet 7 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01011				



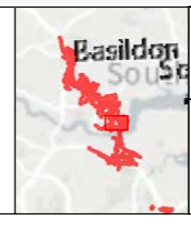
Scenario / Flood Estimation Point	Not applicable
Return period (years)	20yr
Climate change uplift applied (%)	26
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

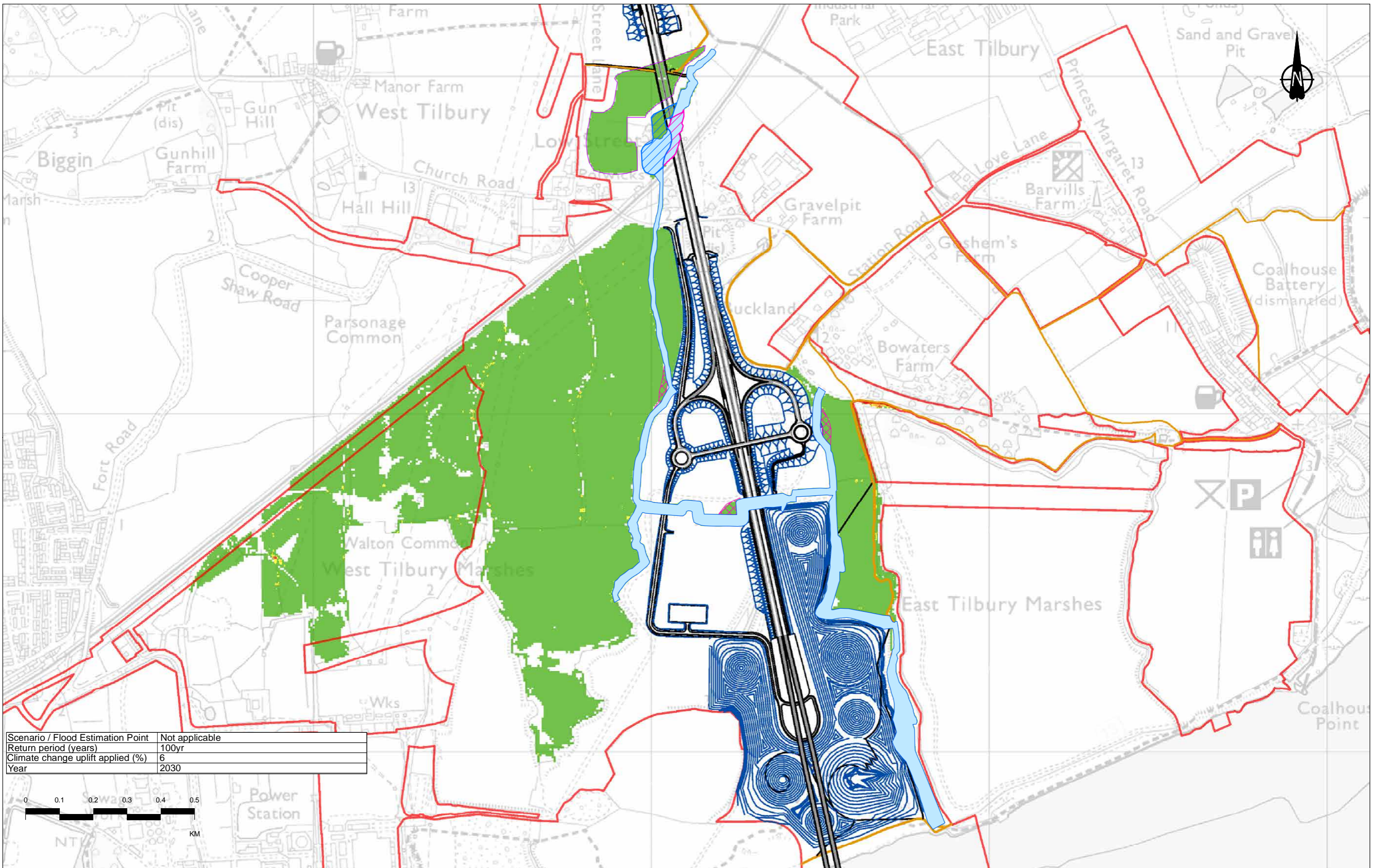
1D Channel	Alignment	Proposed LTC alignment Maximum flood velocity (m/s)	0 - 0.25
1D Channel diversions	Earthworks		0.25 - 0.5
Compensation storage area	NMU Routes		0.5 - 1.0
Existing reservoir infilled			1.0 - 2
Revised reservoir footprint			> 2.0
Order Limits			



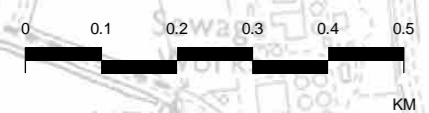
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (with mitigation) Sheet 8 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01012				

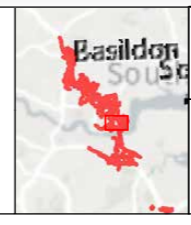


Scenario / Flood Estimation Point	Not applicable
Return period (years)	100yr
Climate change uplift applied (%)	6
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

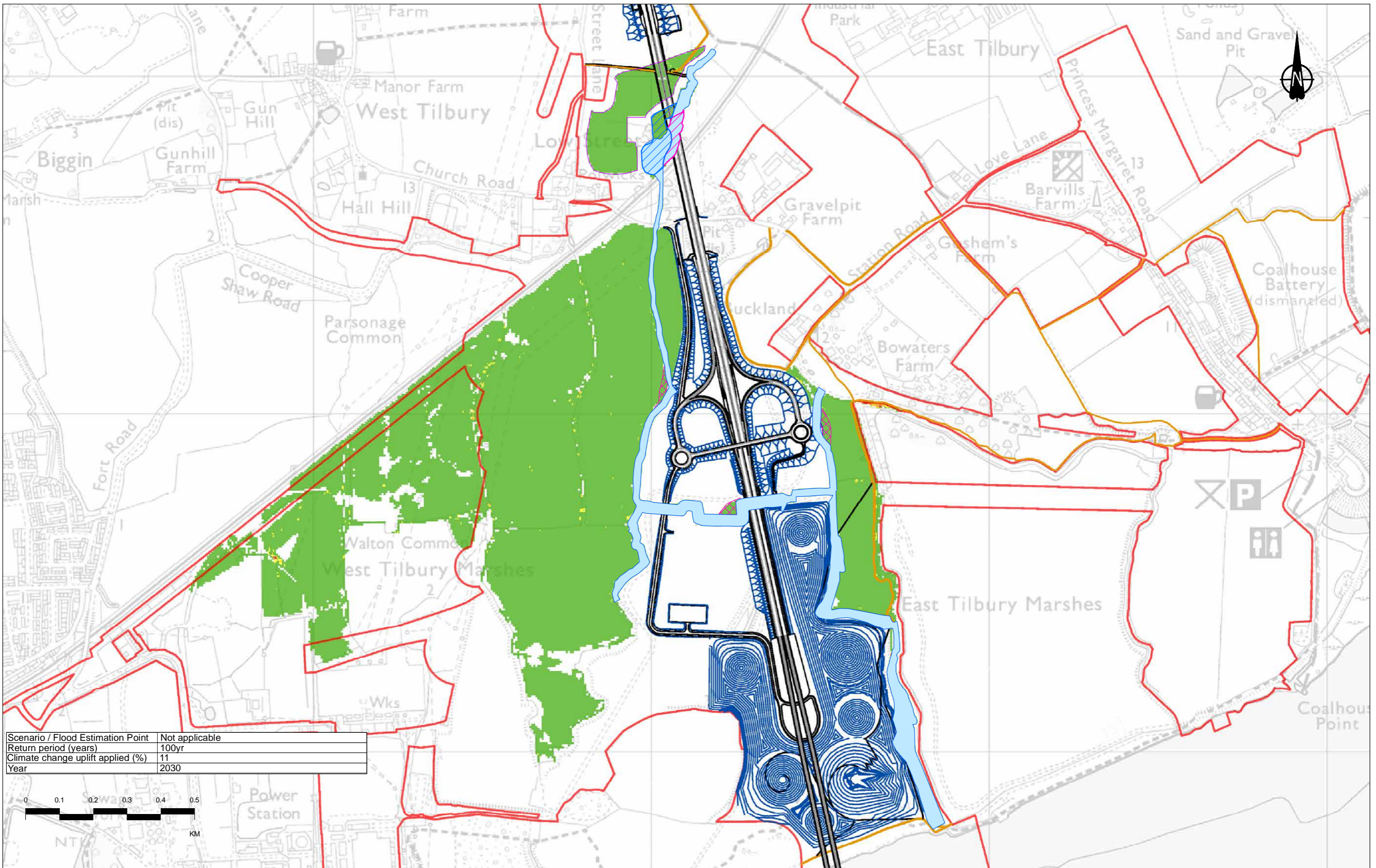
Legend		Proposed LTC alignment Maximum flood velocity (m/s)	
	1D Channel		0 - 0.25
	1D Channel diversions		0.25 - 0.5
	Compensation storage area		0.5 - 1.0
	Existing reservoir infilled		1.0 - 2
	Revised reservoir footprint		> 2.0
	Order Limits		Alignment
			Earthworks
			NMU Routes



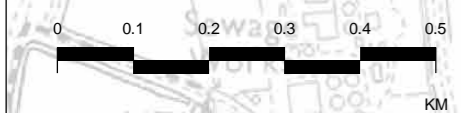
Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (with mitigation) Sheet 9 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01013				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	100yr
Climate change uplift applied (%)	11
Year	2030



OSN10030649

Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

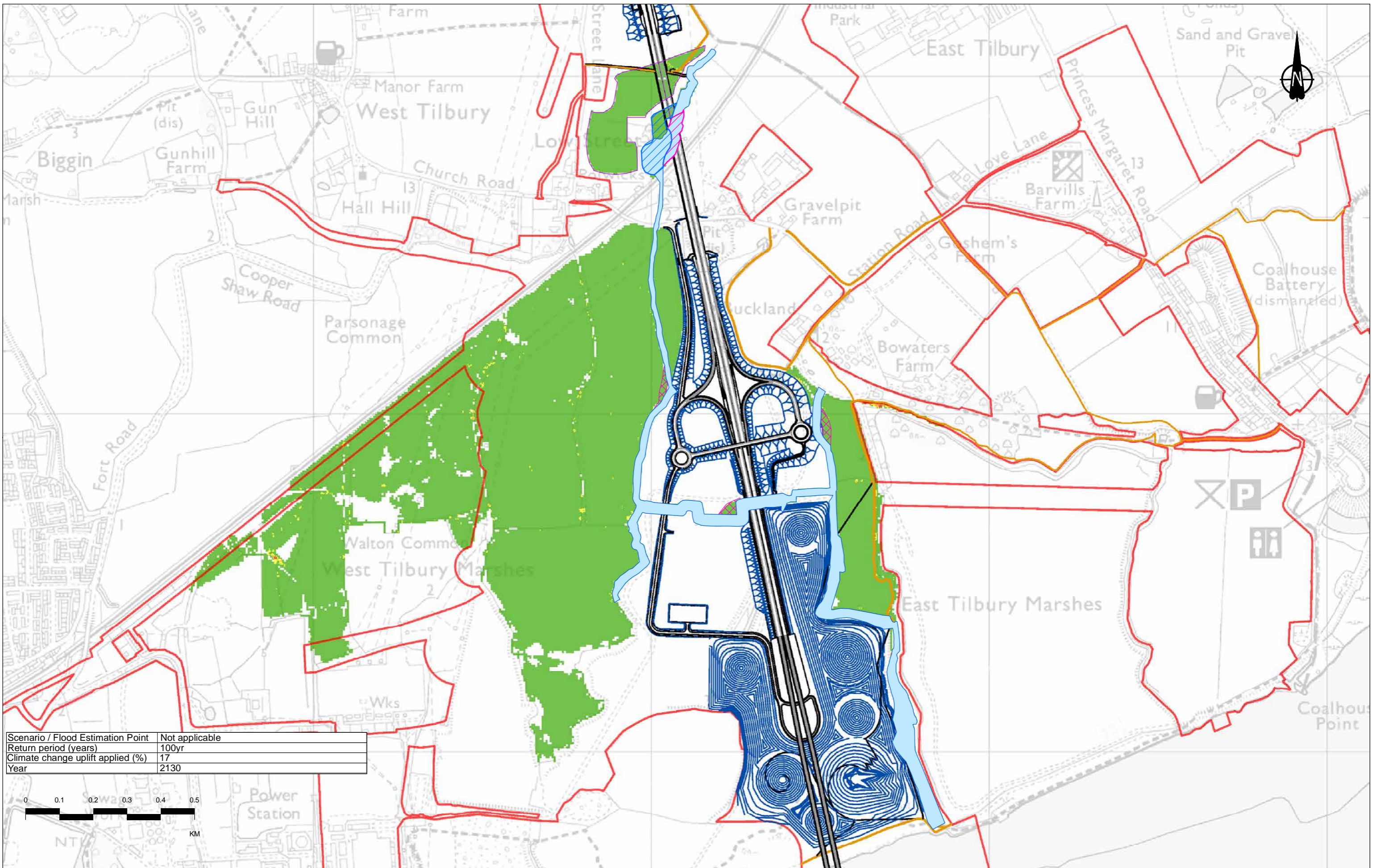
Legend

1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s) 0 - 0.25
1D Channel diversions	Earthworks	0.25 - 0.5
Compensation storage area	NMU Routes	0.5 - 1.0
Existing reservoir infilled		1.0 - 2
Revised reservoir footprint		> 2.0
Order Limits		

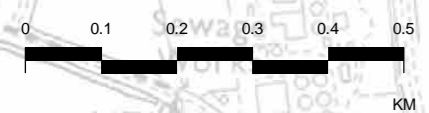
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (with mitigation) Sheet 10 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01014				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	100yr
Climate change uplift applied (%)	17
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

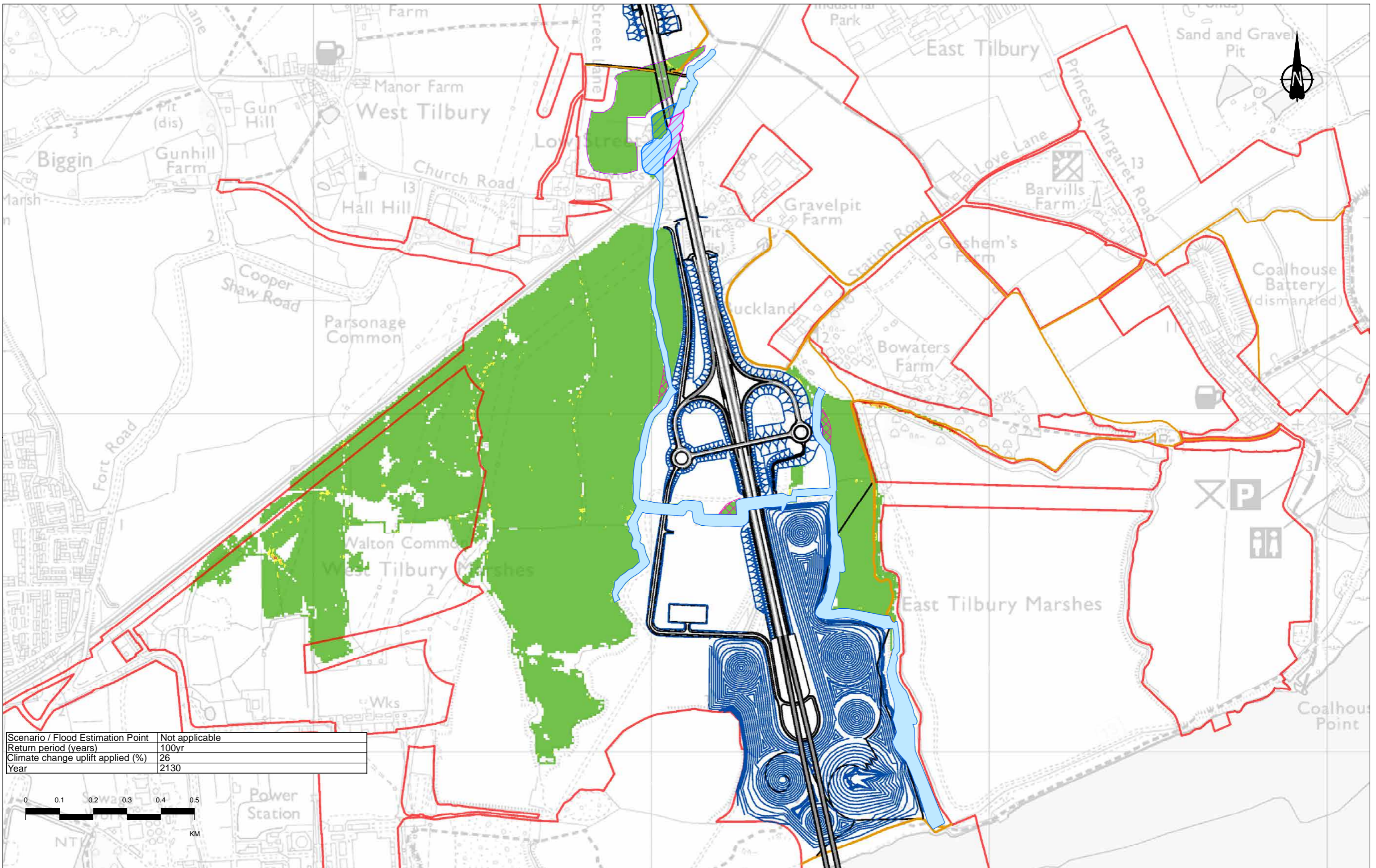
1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s) 0 - 0.25
1D Channel diversions	Earthworks	0.25 - 0.5
Compensation storage area	NMU Routes	0.5 - 1.0
Existing reservoir infilled		1.0 - 2
Revised reservoir footprint		> 2.0
Order Limits		



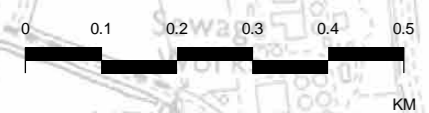
Client:

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (with mitigation) Sheet 11 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01015				



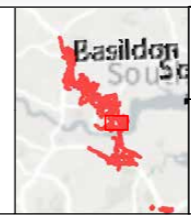
Scenario / Flood Estimation Point	Not applicable
Return period (years)	100yr
Climate change uplift applied (%)	26
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

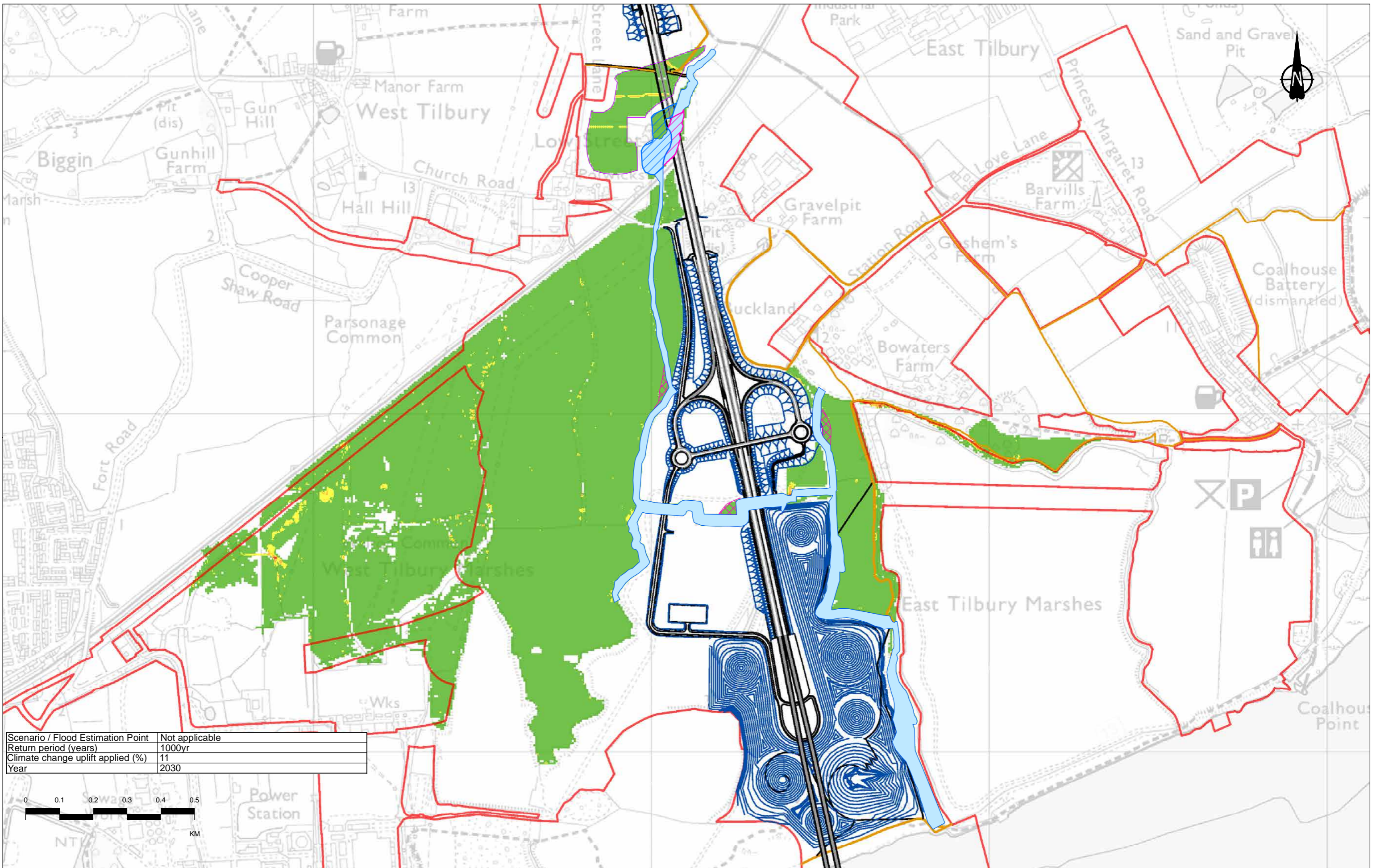
1D Channel	Alignment	Proposed LTC alignment Maximum flood velocity (m/s)	0 - 0.25
1D Channel diversions	Earthworks		0.25 - 0.5
Compensation storage area	NMU Routes		0.5 - 1.0
Existing reservoir infilled			1.0 - 2
Revised reservoir footprint			> 2.0
Order Limits			



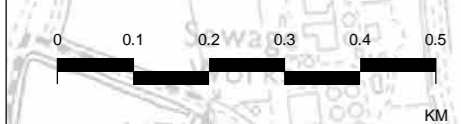
Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (with mitigation) Sheet 12 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01016				



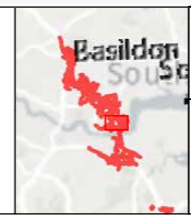
Scenario / Flood Estimation Point	Not applicable
Return period (years)	1000yr
Climate change uplift applied (%)	11
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

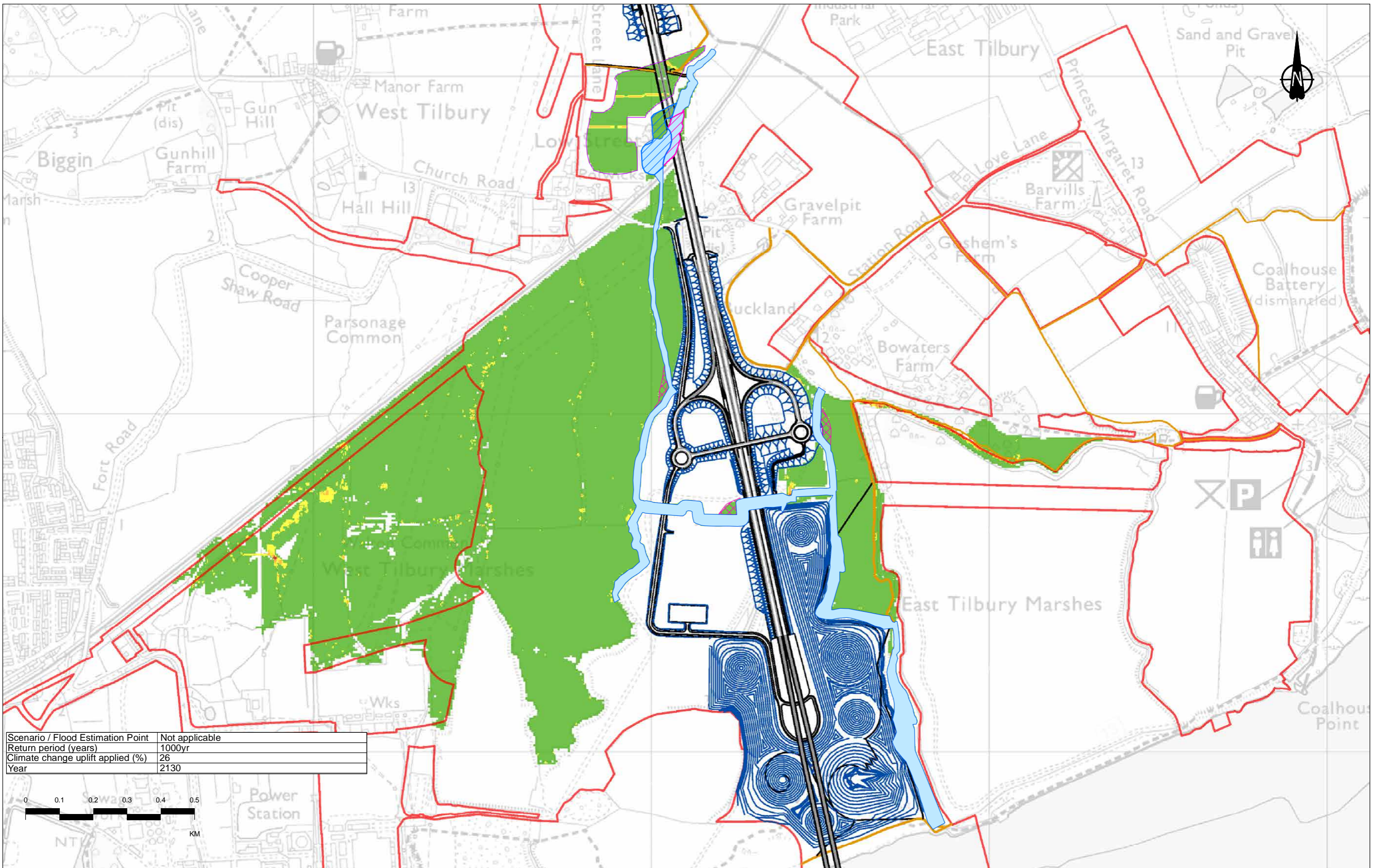
1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s)
1D Channel diversions	Alignment	0 - 0.25
Compensation storage area	Earthworks	0.25 - 0.5
Existing reservoir infilled	NMU Routes	0.5 - 1.0
Revised reservoir footprint		1.0 - 2
Order Limits		> 2.0



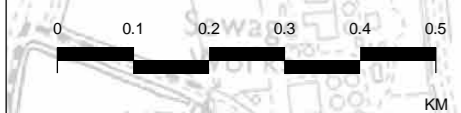
Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (with mitigation) Sheet 13 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01017				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	1000yr
Climate change uplift applied (%)	26
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

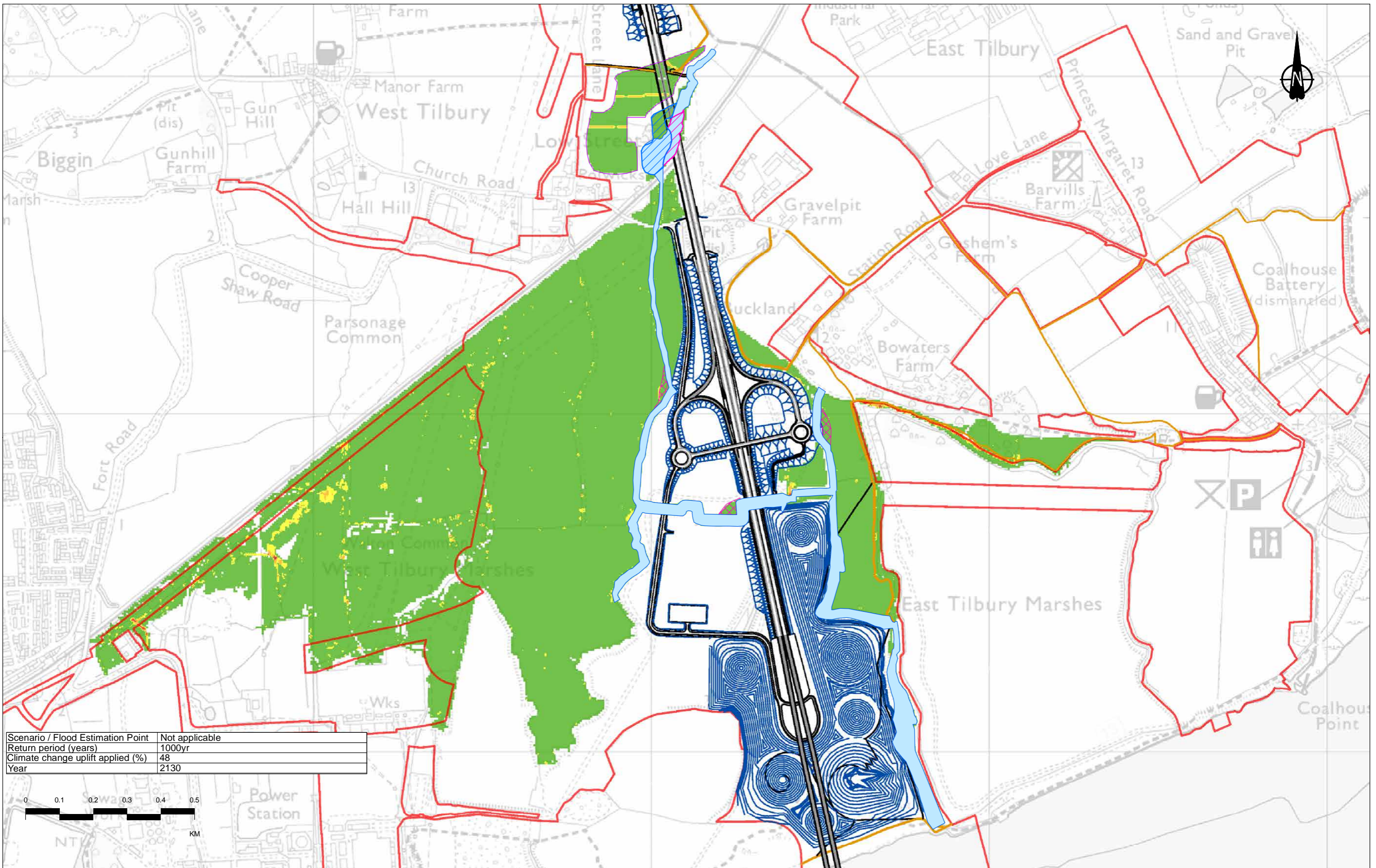
1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s)
1D Channel diversions	Earthworks	0 - 0.25
Compensation storage area	NMU Routes	0.25 - 0.5
Existing reservoir infilled		0.5 - 1.0
Revised reservoir footprint		1.0 - 2
Order Limits		> 2.0



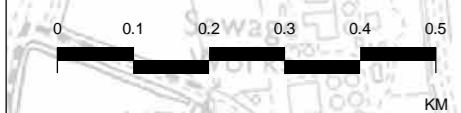
Client:

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (with mitigation) Sheet 14 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01018				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	1000yr
Climate change uplift applied (%)	48
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

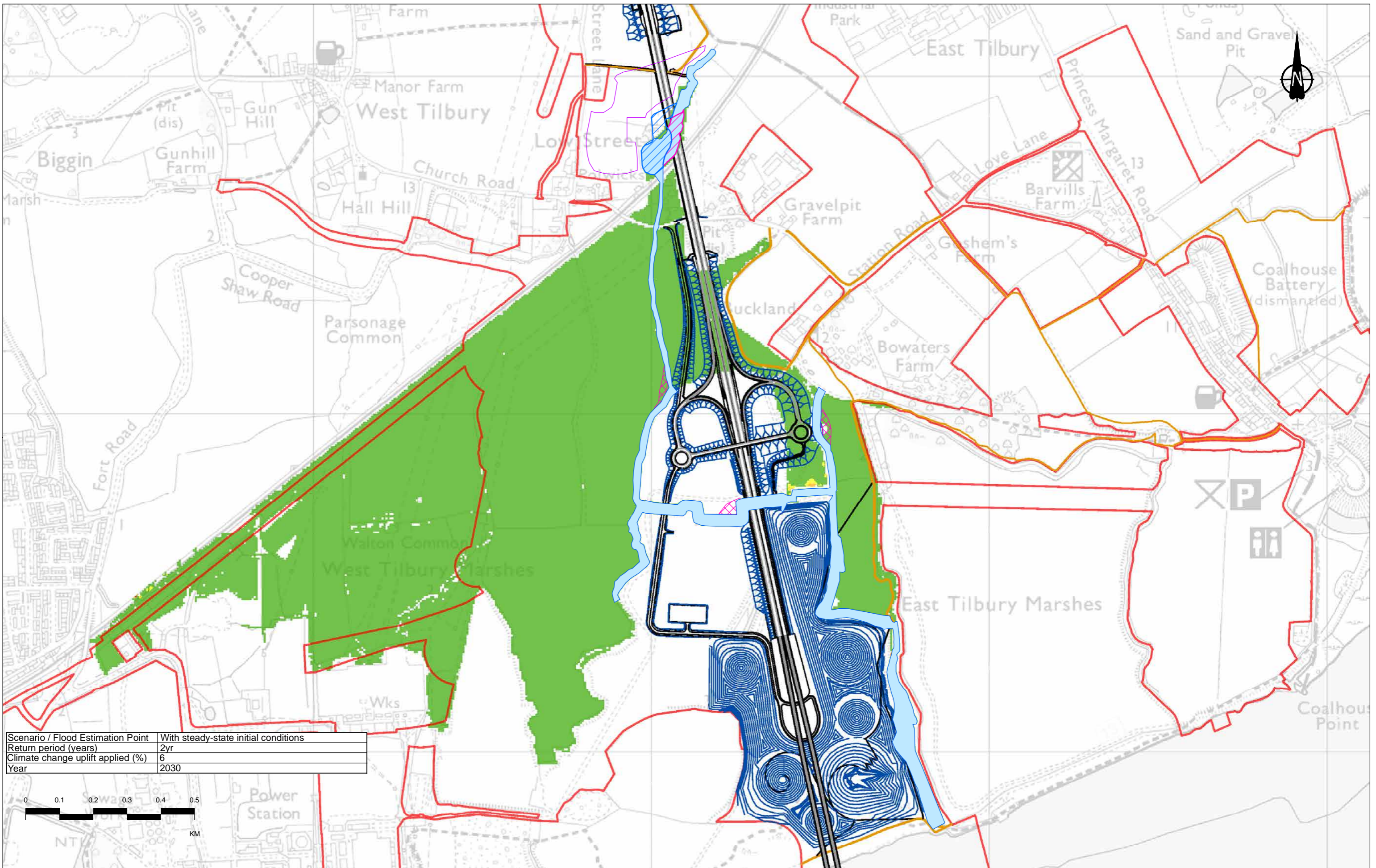
Legend

1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s)
1D Channel diversions	Earthworks	0 - 0.25
Compensation storage area	NMU Routes	0.25 - 0.5
Existing reservoir infilled		0.5 - 1.0
Revised reservoir footprint		1.0 - 2
Order Limits		> 2.0

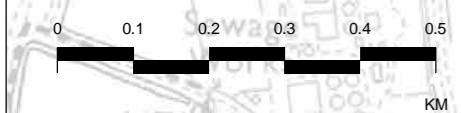
Client:

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (with mitigation) Sheet 15 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01019				



Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	2yr
Climate change uplift applied (%)	6
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

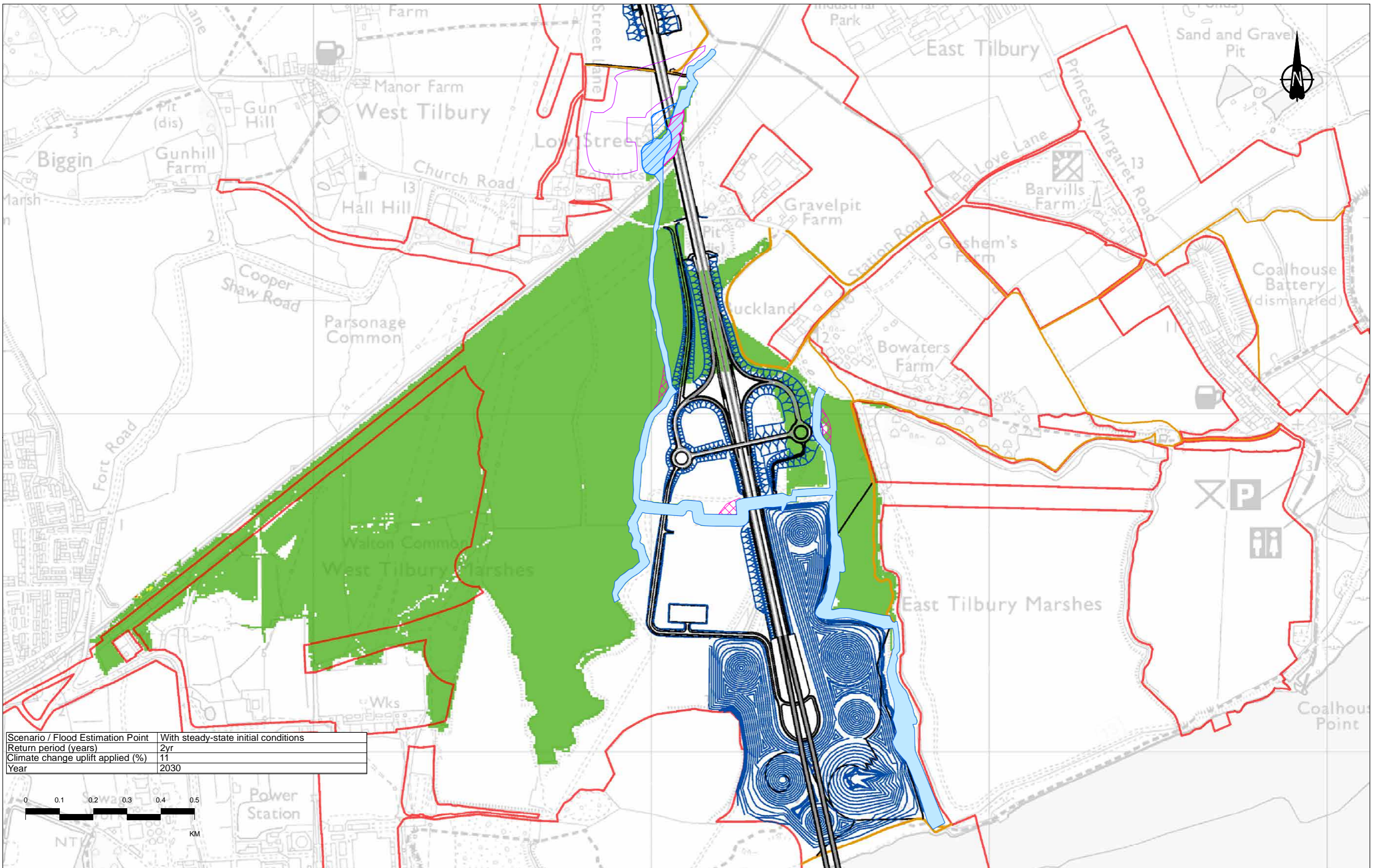
Legend

1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s)
1D Channel diversions	Earthworks	0 - 0.25
Compensation storage area	NMU Routes	0.25 - 0.5
Existing reservoir infilled		0.5 - 1.0
Revised reservoir footprint		1.0 - 2
Order Limits		> 2.0

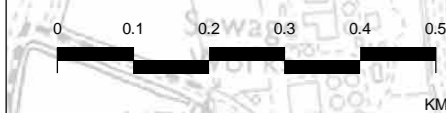
Client:

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 1 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01020				



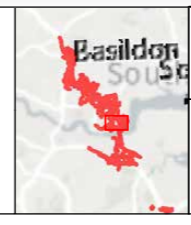
Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	2yr
Climate change uplift applied (%)	11
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

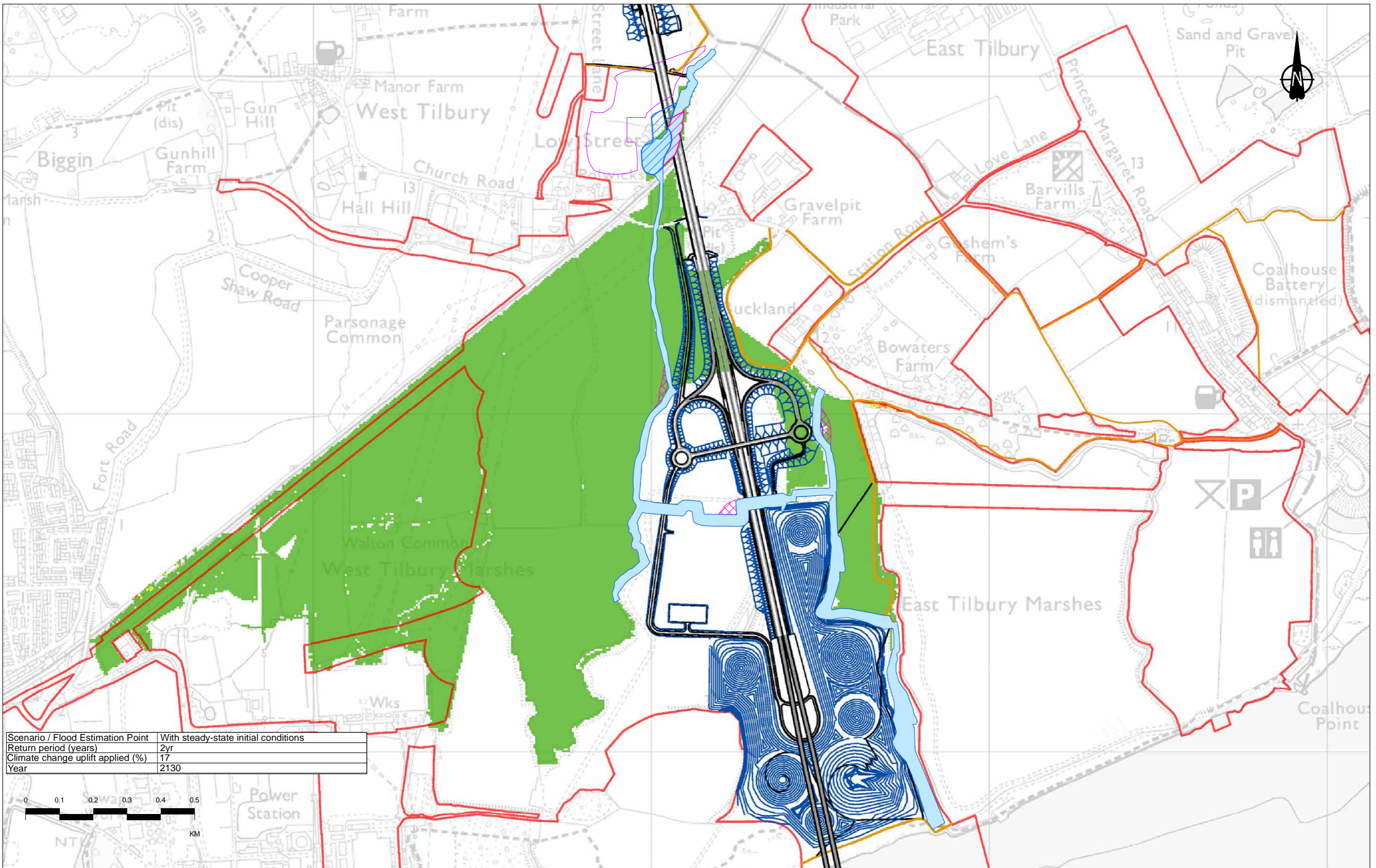
1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s)
1D Channel diversions	Alignment	0 - 0.25
Compensation storage area	Earthworks	0.25 - 0.5
Existing reservoir infilled	NMU Routes	0.5 - 1.0
Revised reservoir footprint		1.0 - 2
Order Limits		> 2.0



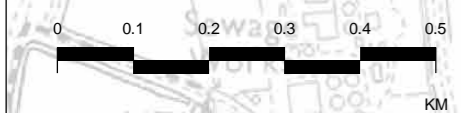
Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 2 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01021				



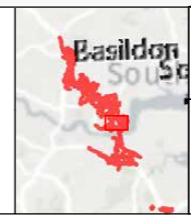
Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	2yr
Climate change uplift applied (%)	17
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

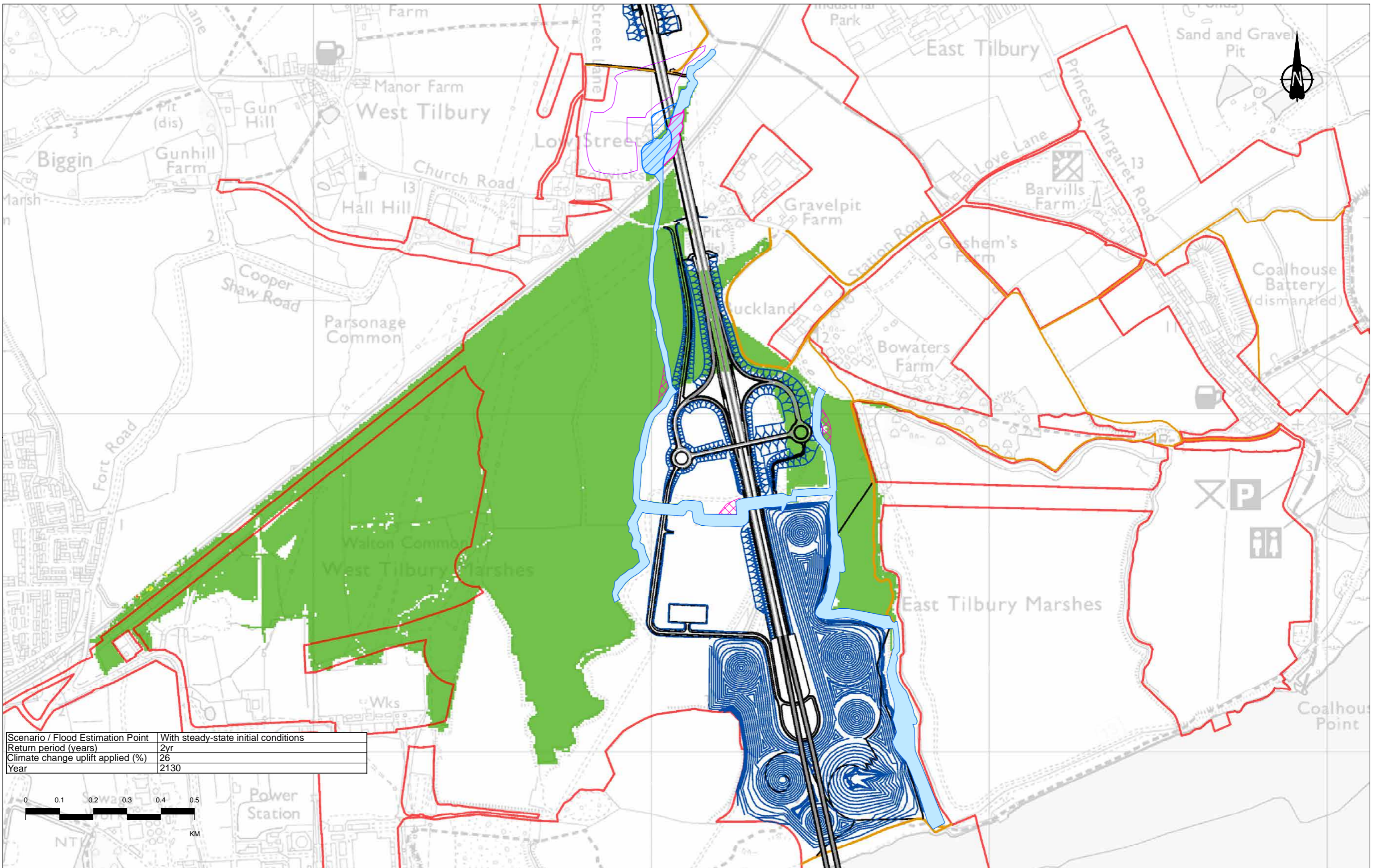
1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s)
1D Channel diversions	Earthworks	0 - 0.25
Compensation storage area	NMU Routes	0.25 - 0.5
Existing reservoir infilled		0.5 - 1.0
Revised reservoir footprint		1.0 - 2
Order Limits		> 2.0



Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 3 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01022				

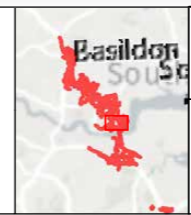


Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	2yr
Climate change uplift applied (%)	26
Year	2130

0	0.1	0.2	0.3	0.4	0.5
KM					

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Legend		Proposed LTC alignment		Maximum flood velocity (m/s)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2
	Revised reservoir footprint				> 2.0
	Order Limits				

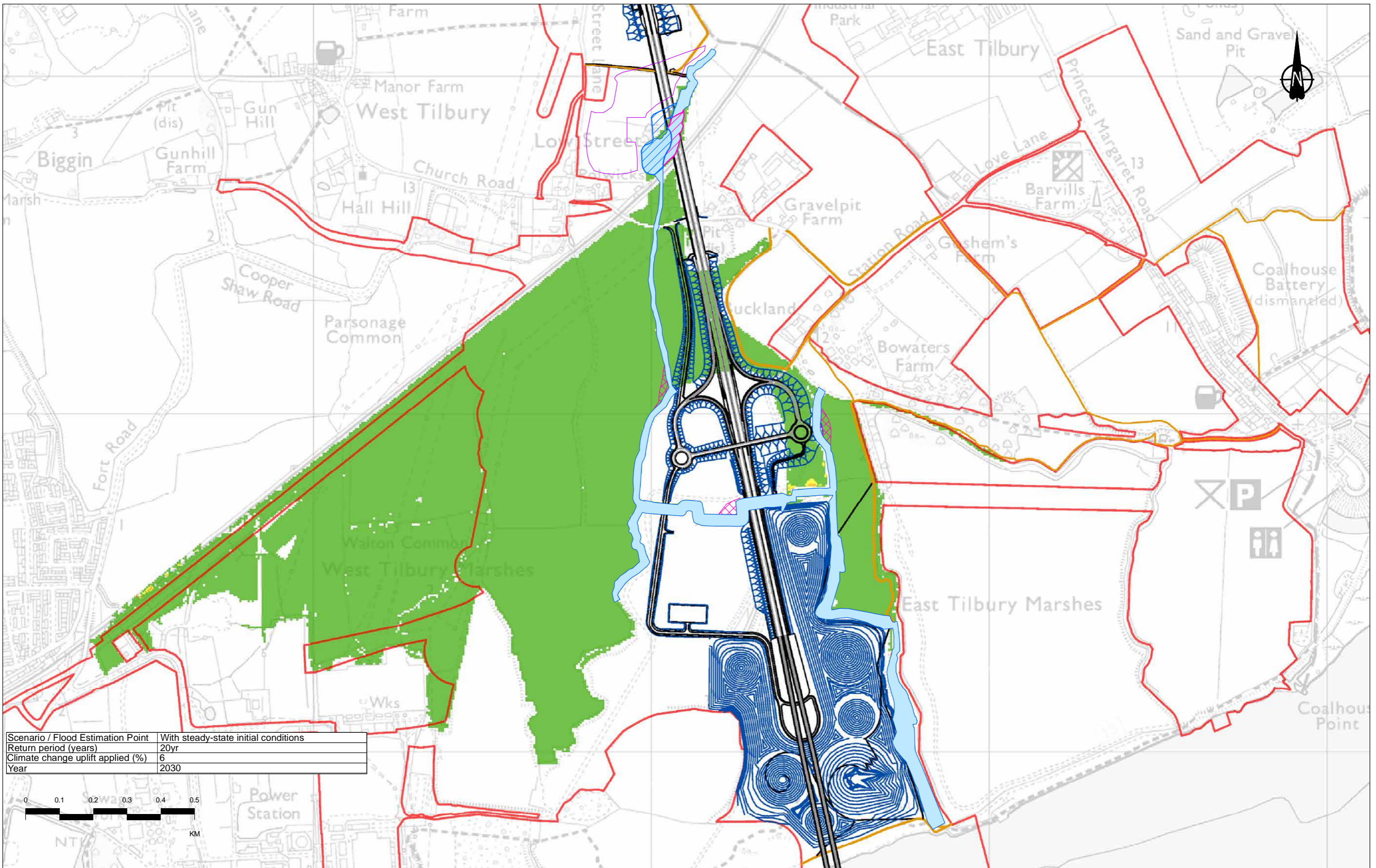


Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 4 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01023				

Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

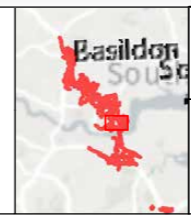


Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	20yr
Climate change uplift applied (%)	6
Year	2030

0	0.1	0.2	0.3	0.4	0.5
KM					

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Legend		Proposed LTC alignment		Maximum flood velocity (m/s)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2
	Revised reservoir footprint				> 2.0
	Order Limits				

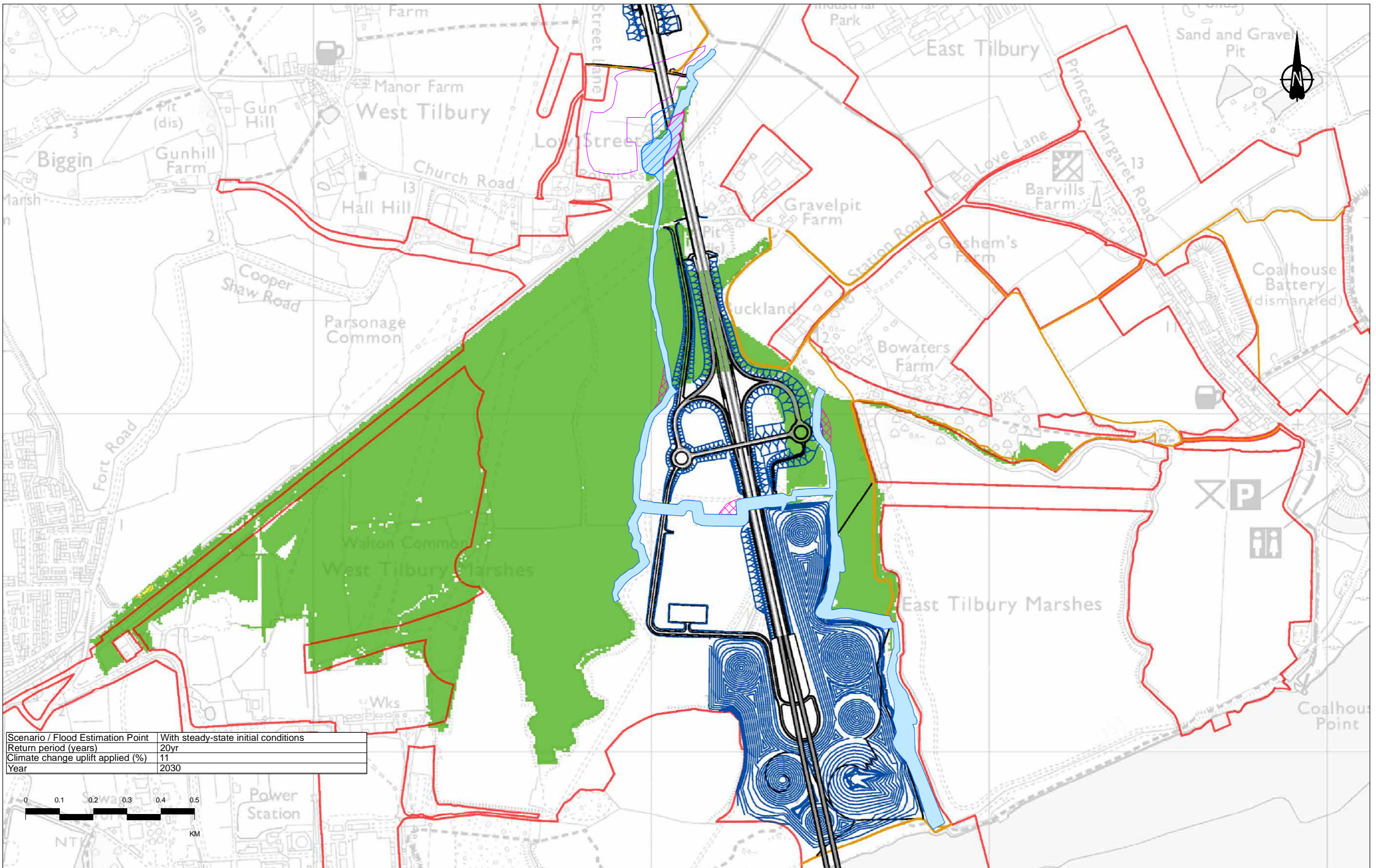


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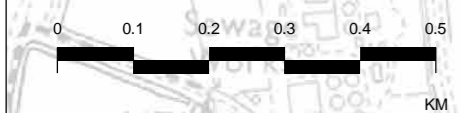
Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 5 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01024				

P01	SB	02/08/2022	DCO Application	AK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd



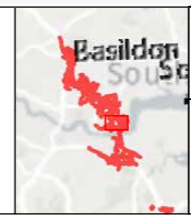
Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	20yr
Climate change uplift applied (%)	11
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

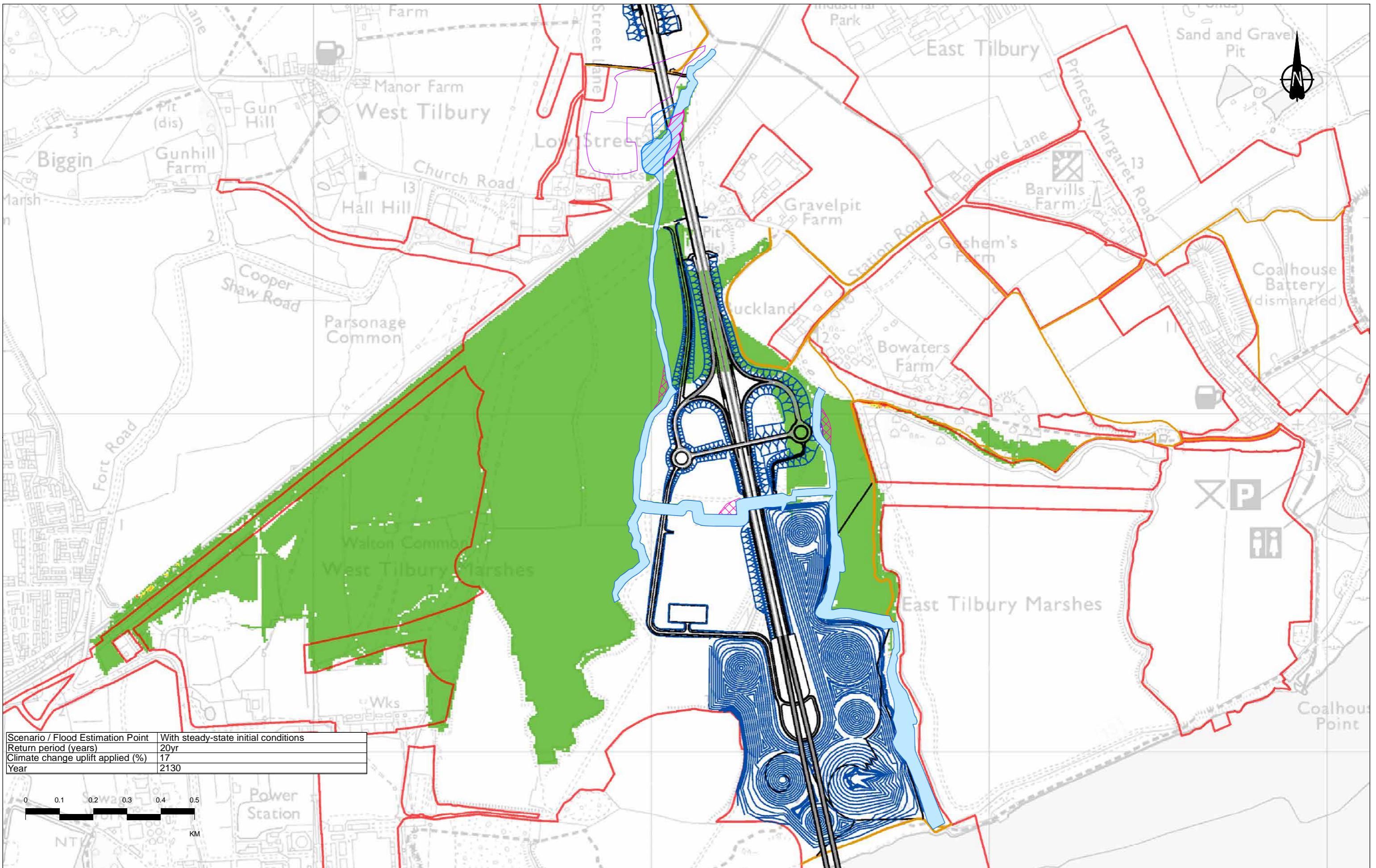
1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s)
1D Channel diversions	Alignment	0 - 0.25
Compensation storage area	Earthworks	0.25 - 0.5
Existing reservoir infilled	NMU Routes	0.5 - 1.0
Revised reservoir footprint		1.0 - 2
Order Limits		> 2.0



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Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 6 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01025				

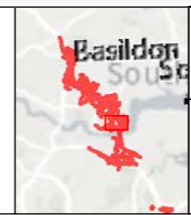


Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	20yr
Climate change uplift applied (%)	17
Year	2130

0	0.1	0.2	0.3	0.4	0.5
KM					

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Legend		Proposed LTC alignment		Maximum flood velocity (m/s)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2
	Revised reservoir footprint				> 2.0
	Order Limits				

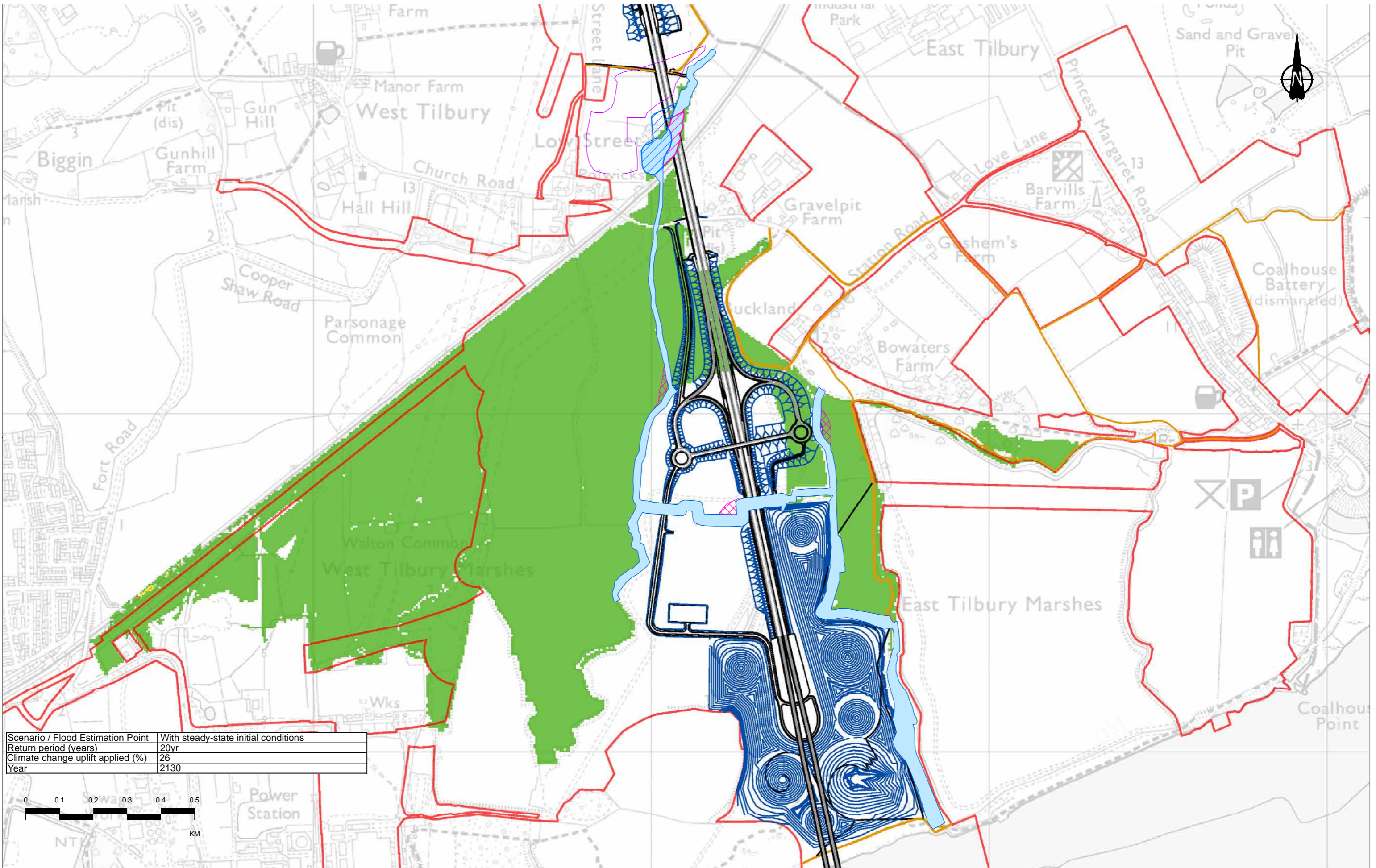


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Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 7 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01026				

P01	SB	02/08/2022	DCO Application	AK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

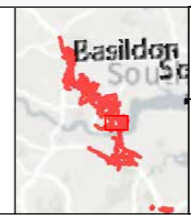


Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	20yr
Climate change uplift applied (%)	26
Year	2130

0	0.1	0.2	0.3	0.4	0.5
KM					

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Legend		Proposed LTC alignment		Maximum flood velocity (m/s)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2
	Revised reservoir footprint				> 2.0
	Order Limits				

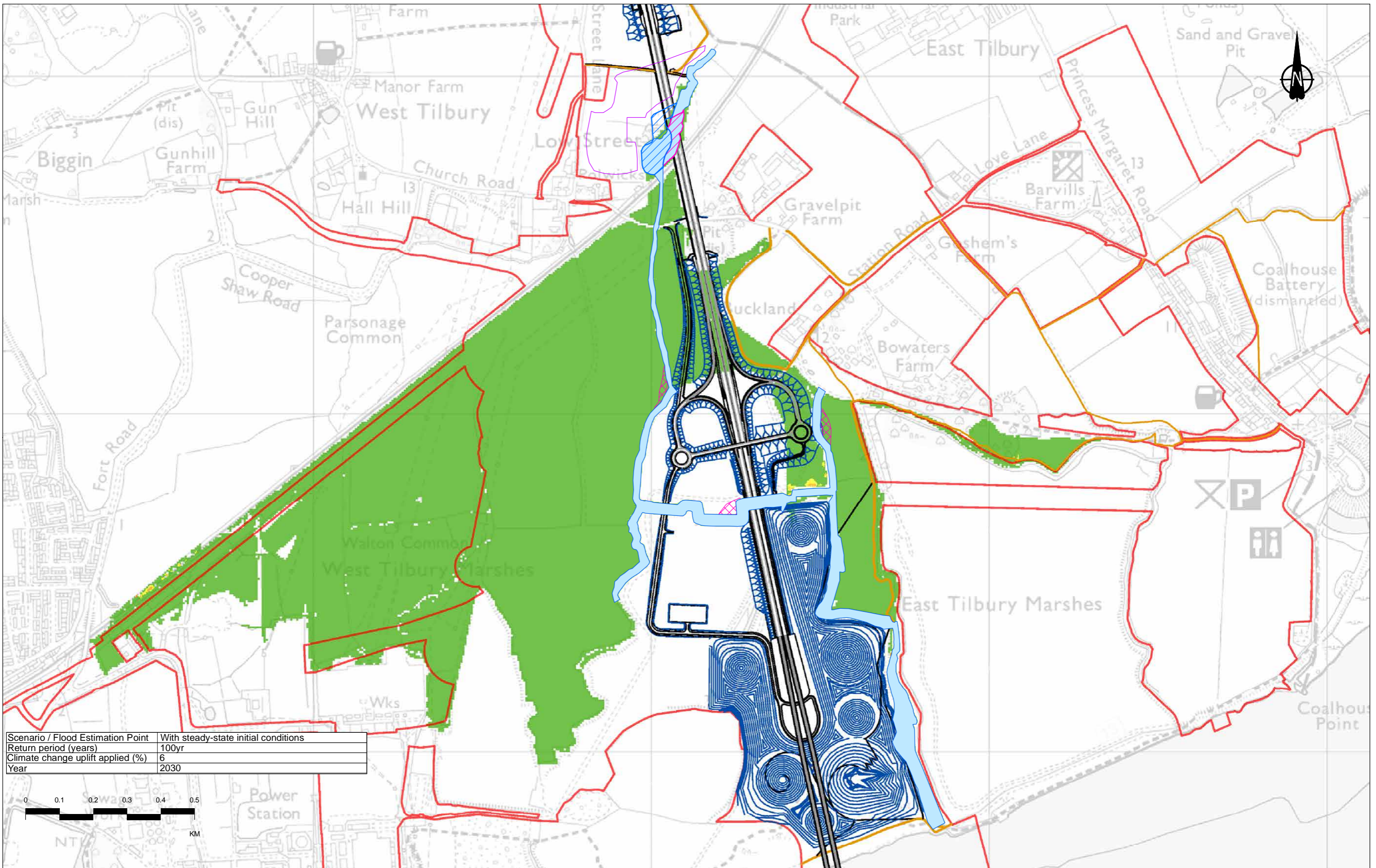


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national highways

Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 8 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01027				

P01	SB	02/08/2022	DCO Application	AK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

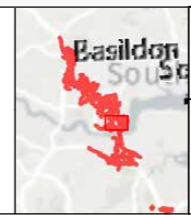


Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	100yr
Climate change uplift applied (%)	6
Year	2030

0	0.1	0.2	0.3	0.4	0.5
KM					

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Legend		Proposed LTC alignment		Maximum flood velocity (m/s)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2
	Revised reservoir footprint				> 2.0
	Order Limits				

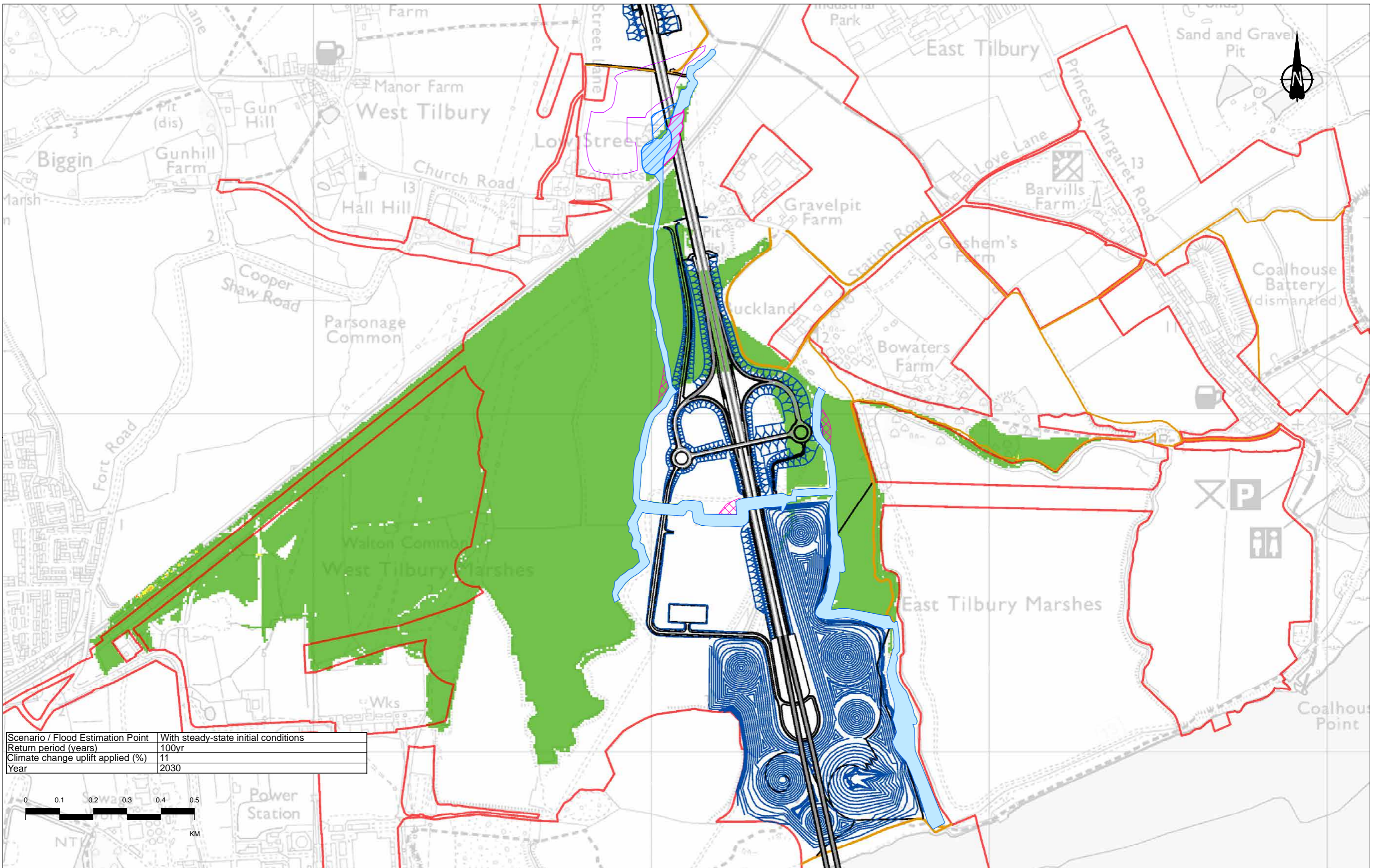


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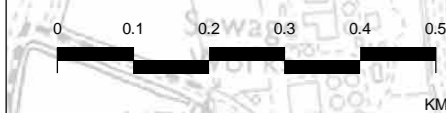
Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 9 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01028				

P01	SB	02/08/2022	DCO Application	AK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

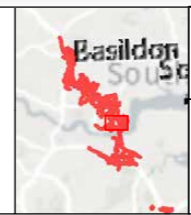


Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	100yr
Climate change uplift applied (%)	11
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

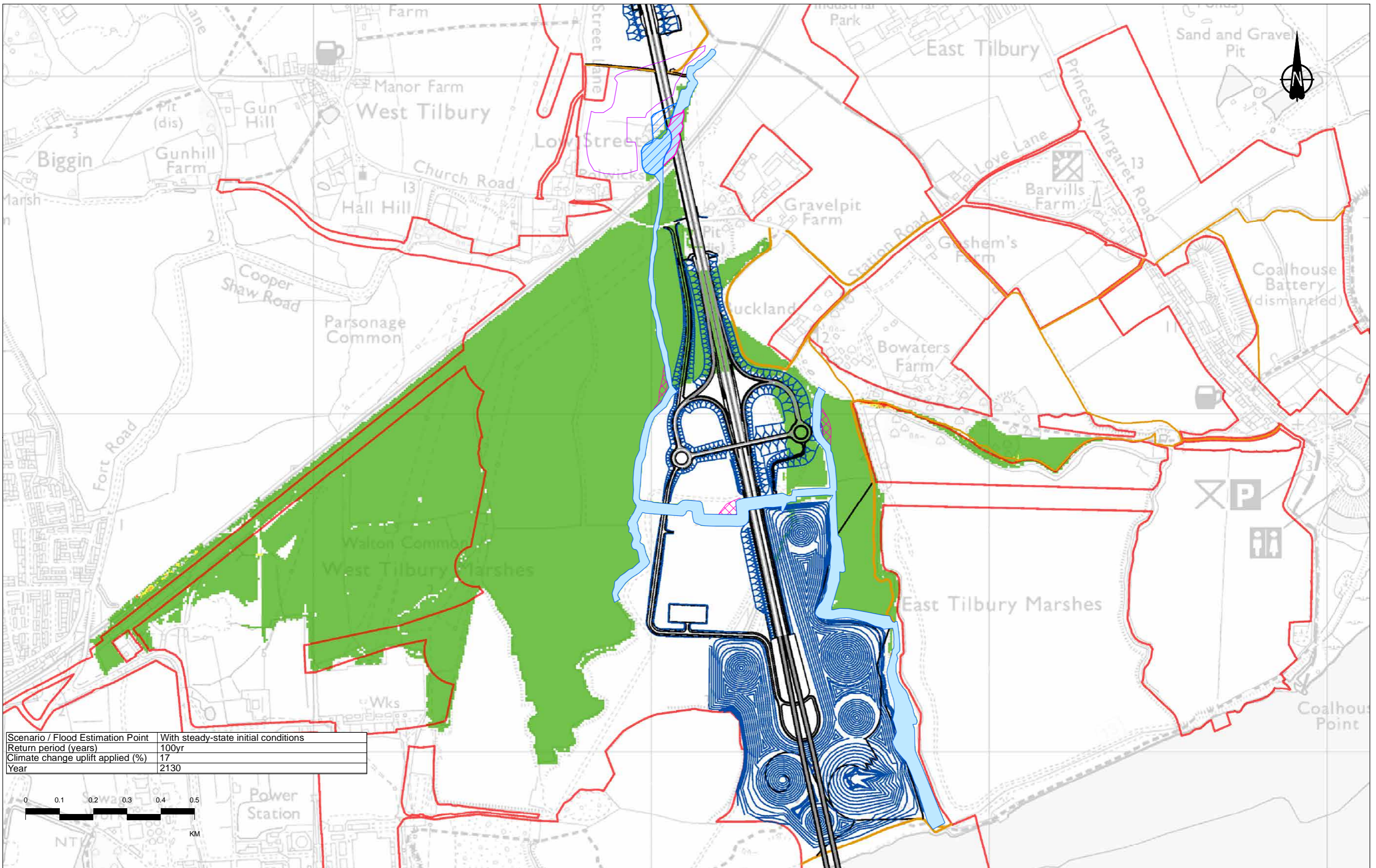
Legend		Proposed LTC alignment		Maximum flood velocity (m/s)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2
	Revised reservoir footprint				> 2.0
	Order Limits				



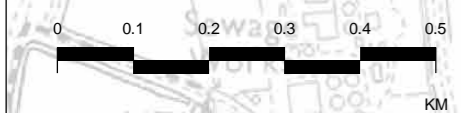
Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 10 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01029				



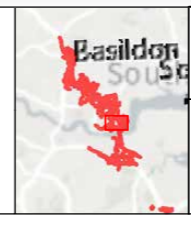
Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	100yr
Climate change uplift applied (%)	17
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

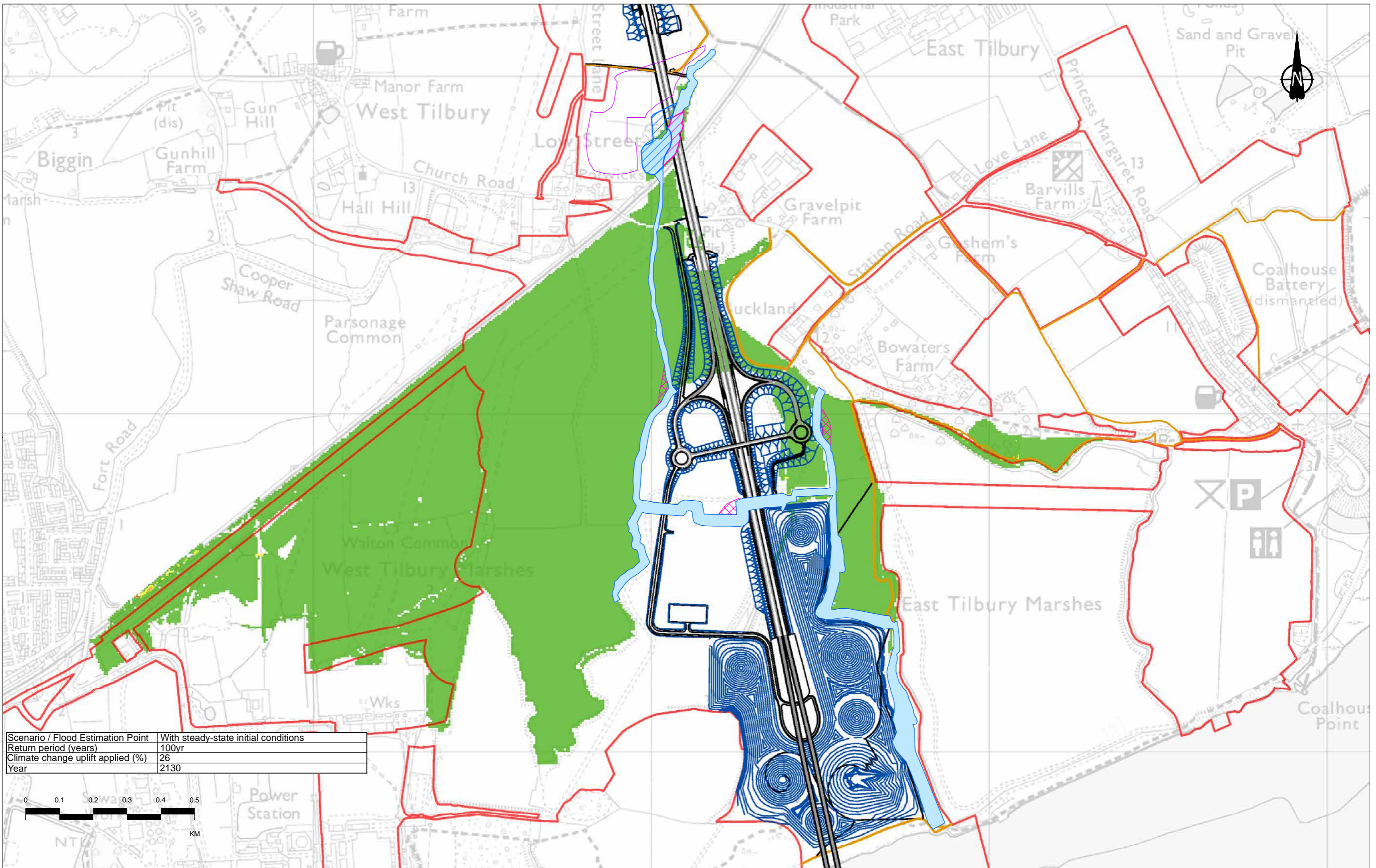
1D Channel	Alignment	Proposed LTC alignment Maximum flood velocity (m/s)	0 - 0.25
1D Channel diversions	Earthworks		0.25 - 0.5
Compensation storage area	NMU Routes		0.5 - 1.0
Existing reservoir infilled			1.0 - 2
Revised reservoir footprint			> 2.0
Order Limits			



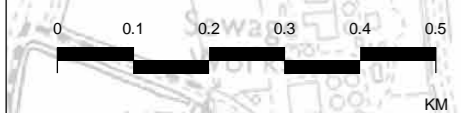
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 11 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01030				

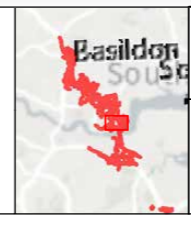


Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	100yr
Climate change uplift applied (%)	26
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

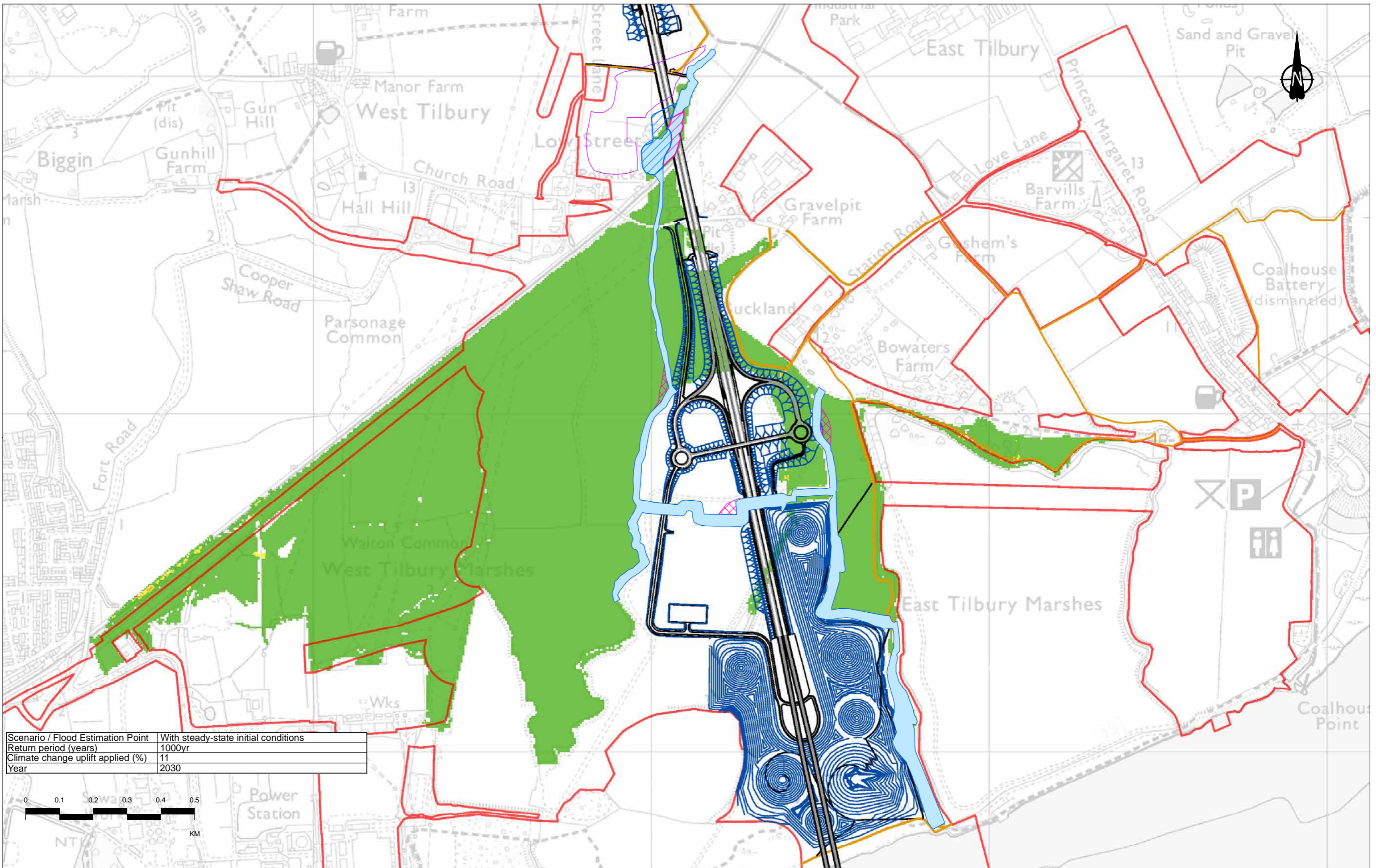
Legend		Proposed LTC alignment Maximum flood velocity (m/s)	
	1D Channel		Alignment
	1D Channel diversions		Earthworks
	Compensation storage area		NMU Routes
	Existing reservoir infilled		0 - 0.25
	Revised reservoir footprint		0.25 - 0.5
	Order Limits		0.5 - 1.0
			1.0 - 2
			> 2.0



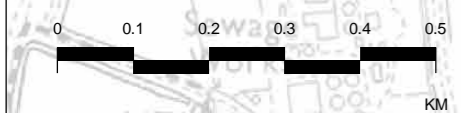
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 12 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01031				

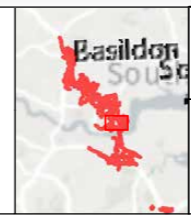


Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	1000yr
Climate change uplift applied (%)	11
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

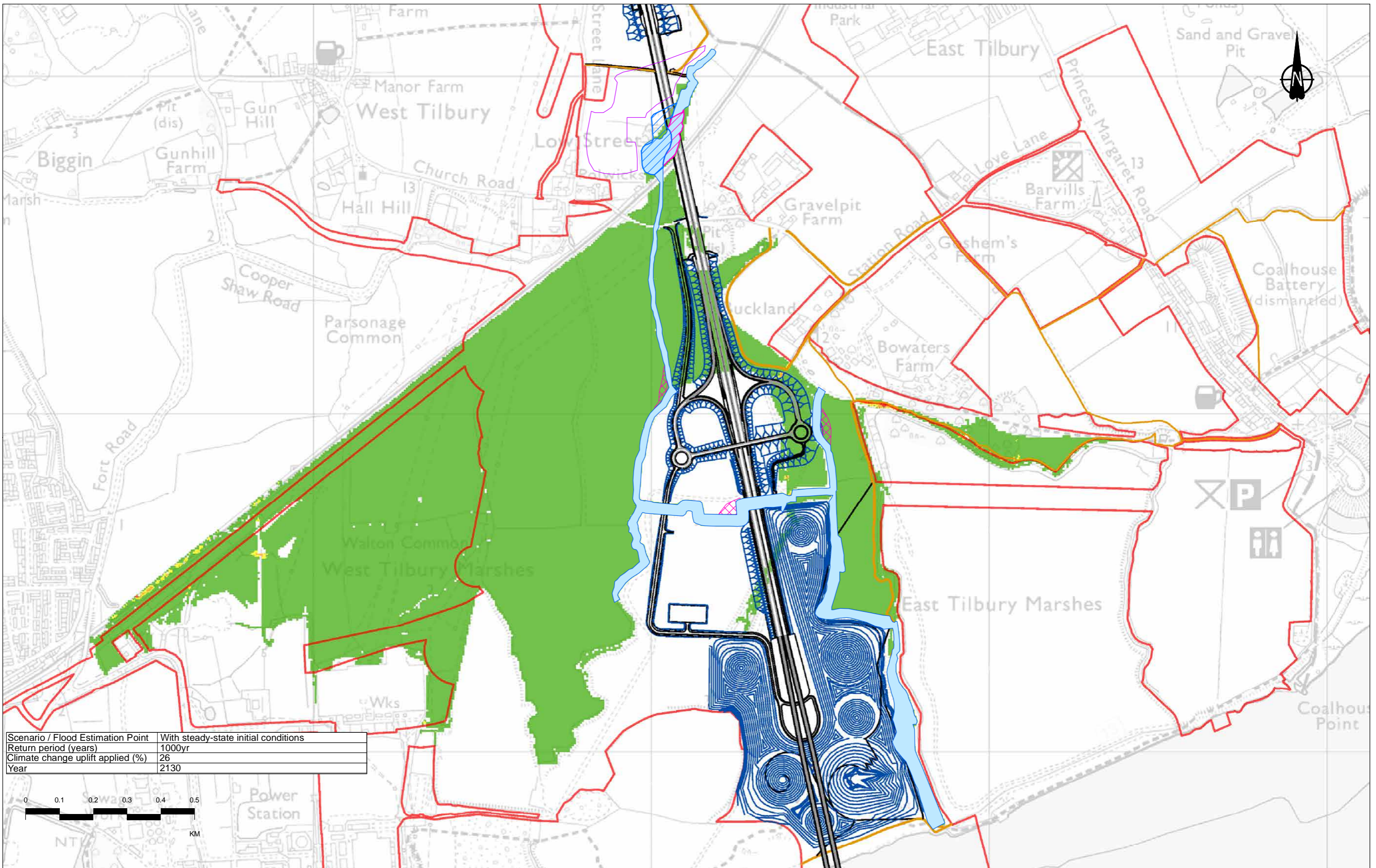
Legend		Proposed LTC alignment Maximum flood velocity (m/s)	
	1D Channel		Alignment
	1D Channel diversions		Earthworks
	Compensation storage area		NMU Routes
	Existing reservoir infilled		0 - 0.25
	Revised reservoir footprint		0.25 - 0.5
	Order Limits		0.5 - 1.0
			1.0 - 2
			> 2.0



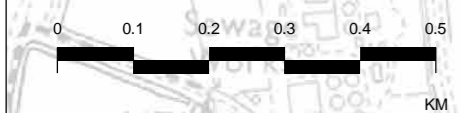
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 13 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01032				



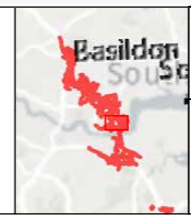
Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	1000yr
Climate change uplift applied (%)	26
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

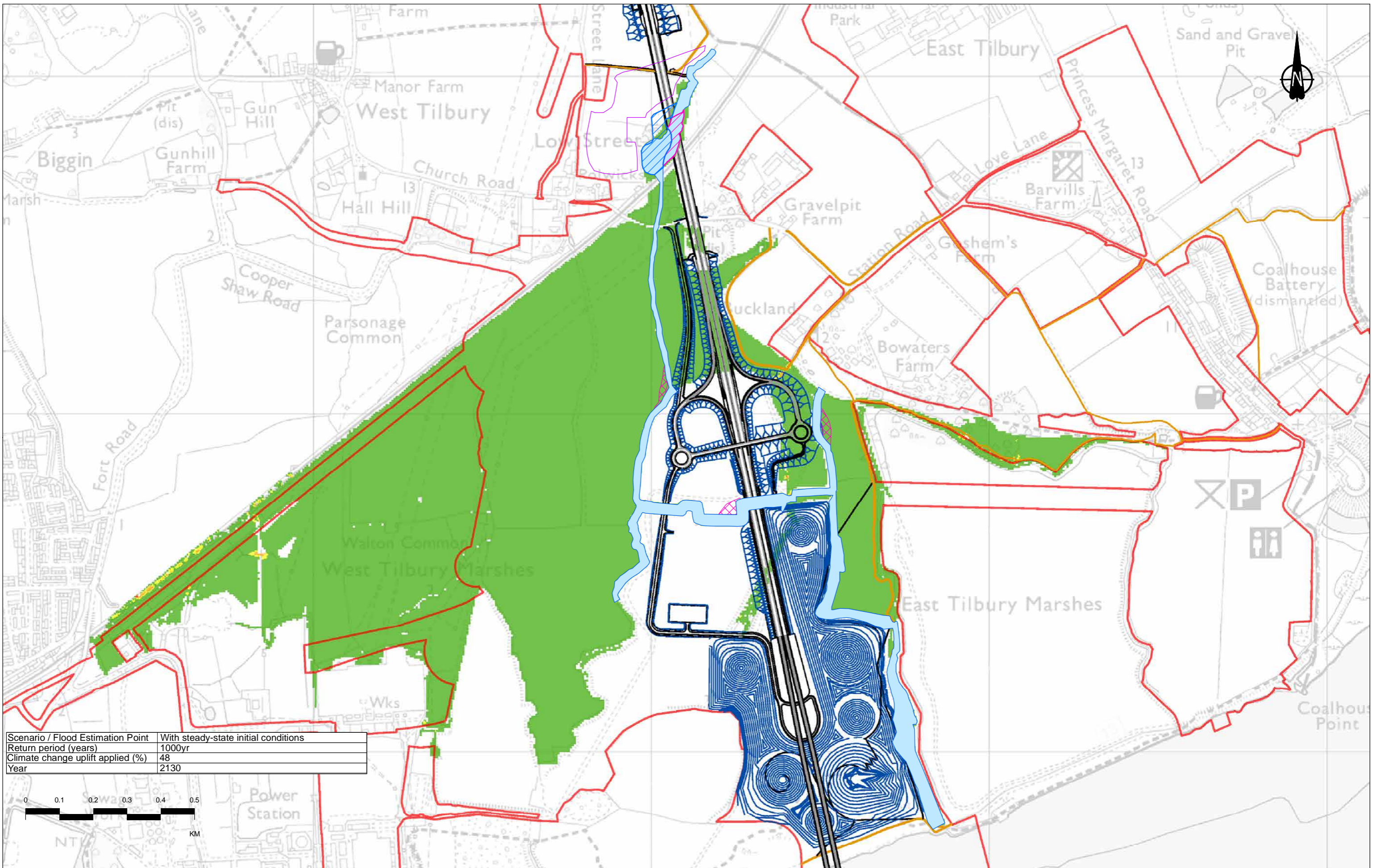
1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s)
1D Channel diversions	Earthworks	0 - 0.25
Compensation storage area	NMU Routes	0.25 - 0.5
Existing reservoir infilled		0.5 - 1.0
Revised reservoir footprint		1.0 - 2
Order Limits		> 2.0



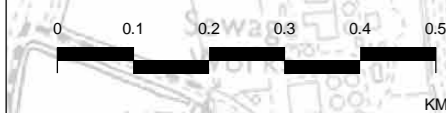
Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 14 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01033				

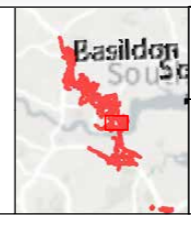


Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	1000yr
Climate change uplift applied (%)	48
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

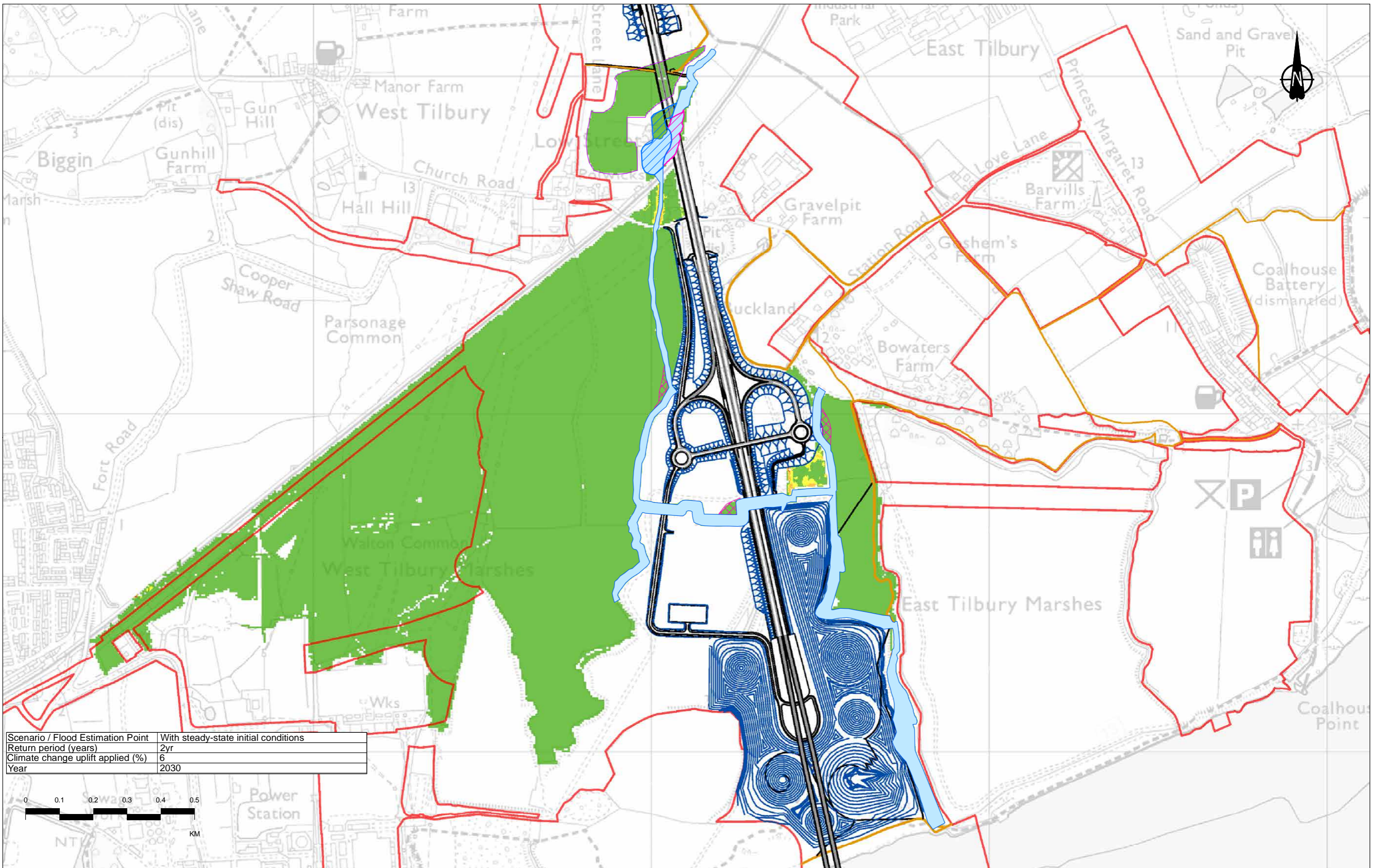
Legend		Proposed LTC alignment		Maximum flood velocity (m/s)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2
	Revised reservoir footprint				> 2.0
	Order Limits				



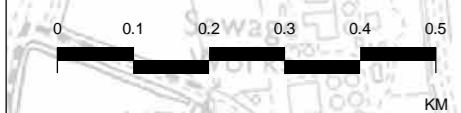
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 15 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01034				



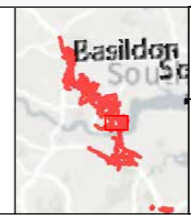
Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	2yr
Climate change uplift applied (%)	6
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

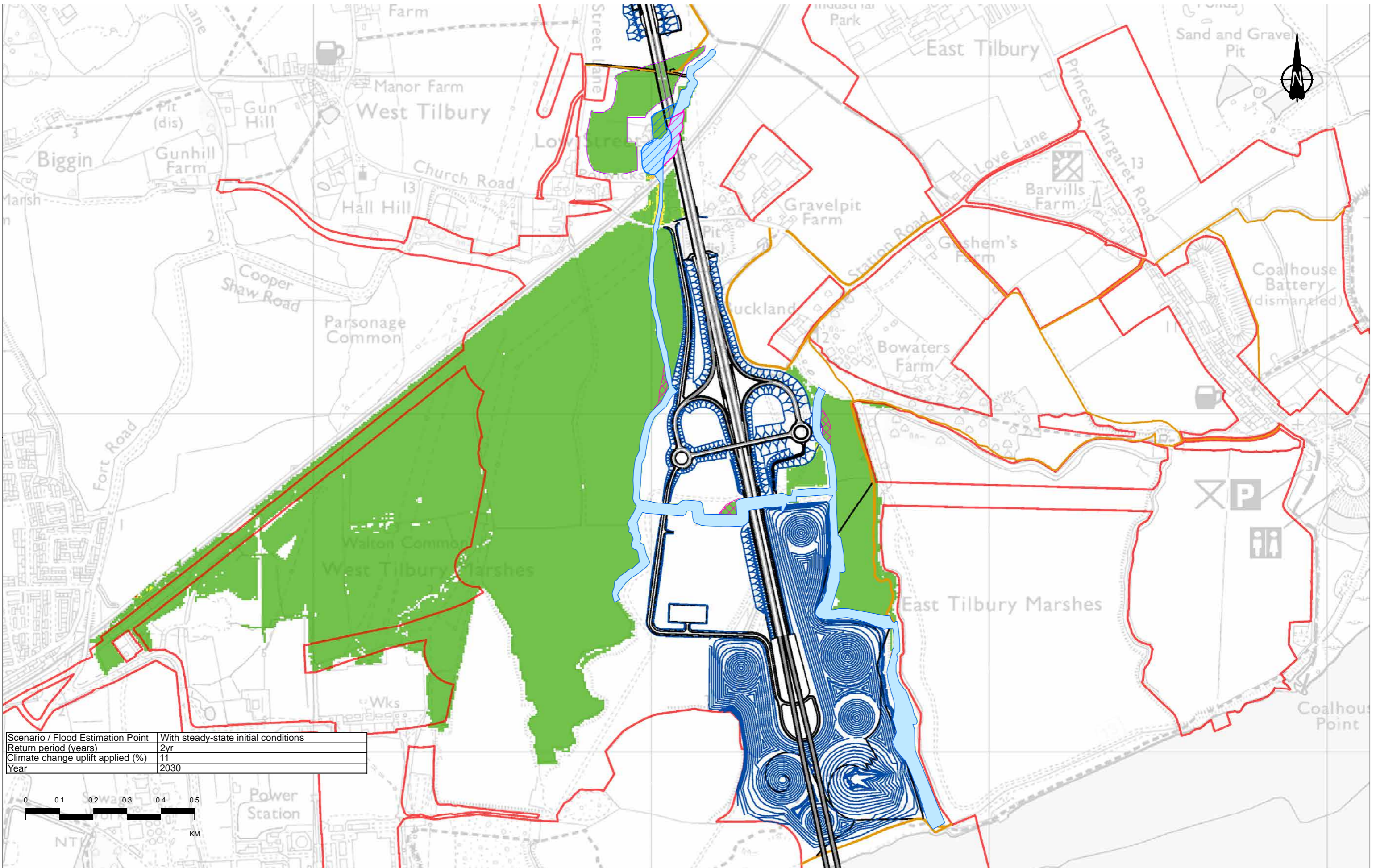
1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s)
1D Channel diversions	Alignment	0 - 0.25
Compensation storage area	Earthworks	0.25 - 0.5
Existing reservoir infilled	NMU Routes	0.5 - 1.0
Revised reservoir footprint		1.0 - 2
Order Limits		> 2.0



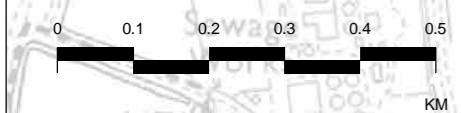
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (with mitigation) Sheet 1 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01035				



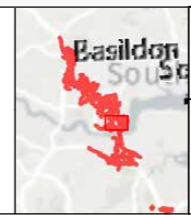
Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	2yr
Climate change uplift applied (%)	11
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

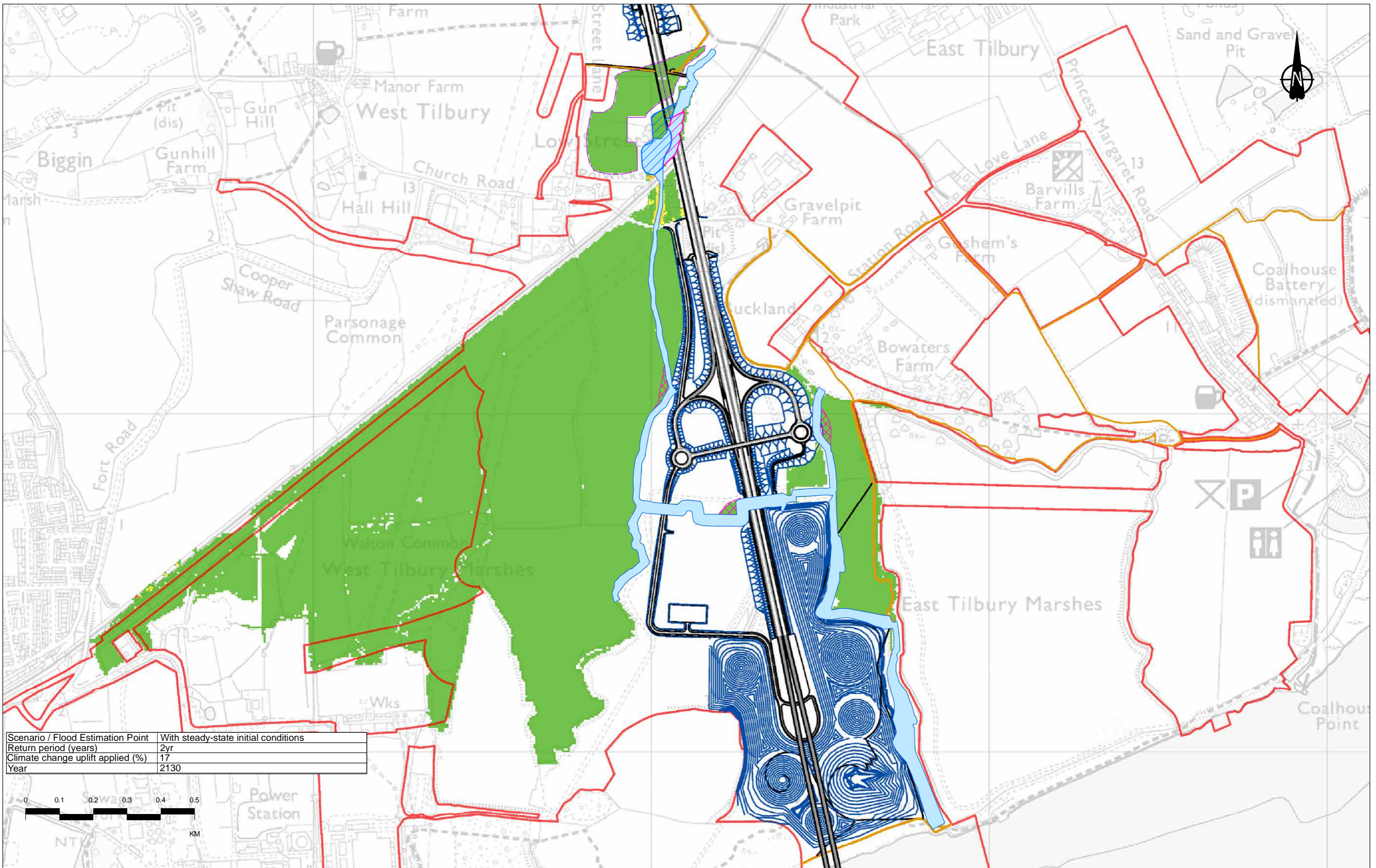
1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s)
1D Channel diversions	Earthworks	0 - 0.25
Compensation storage area	NMU Routes	0.25 - 0.5
Existing reservoir infilled		0.5 - 1.0
Revised reservoir footprint		1.0 - 2
Order Limits		> 2.0



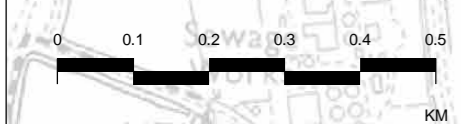
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (with mitigation) Sheet 2 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01036				



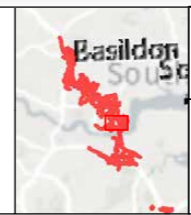
Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	2yr
Climate change uplift applied (%)	17
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

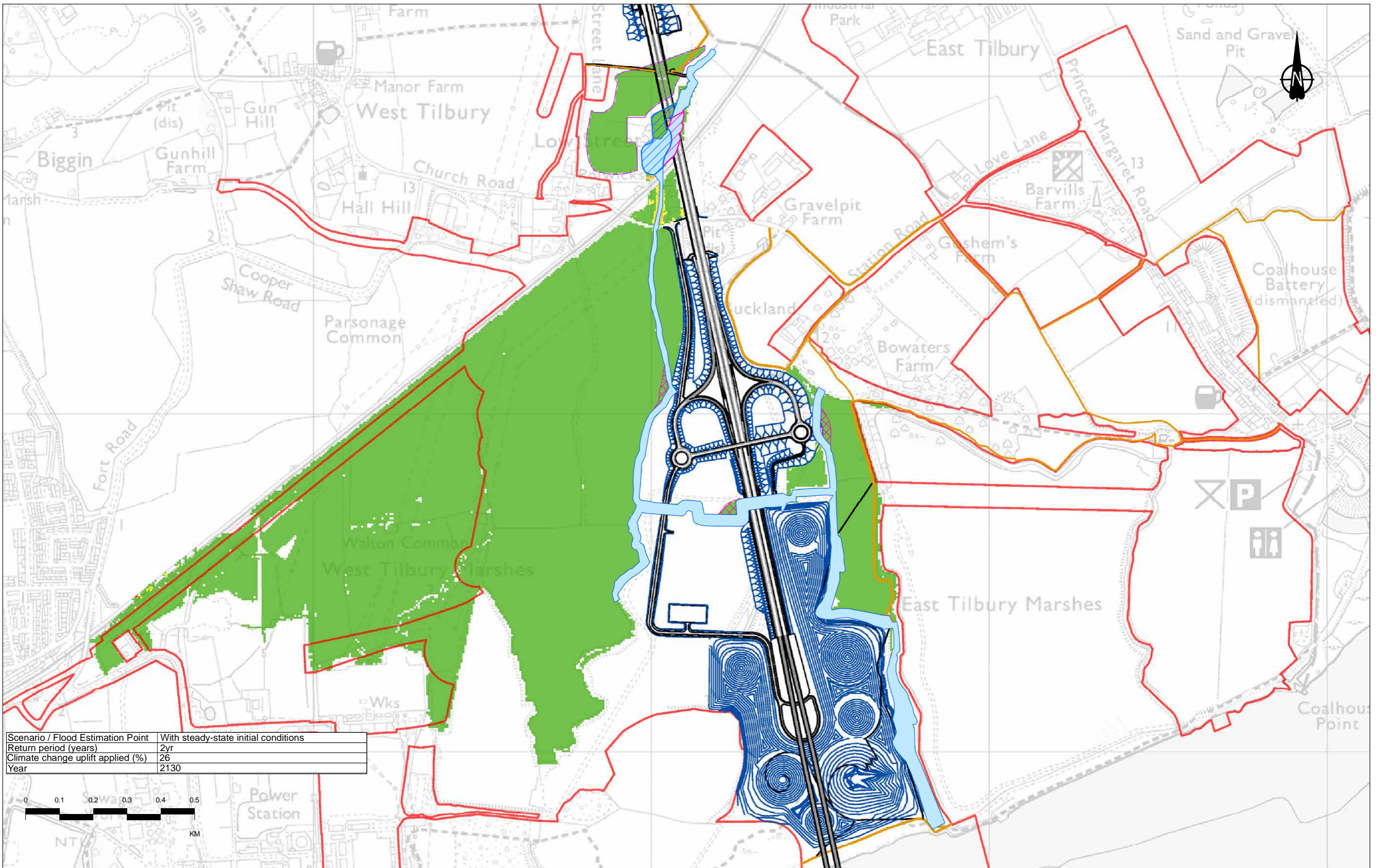
1D Channel	Alignment	Proposed LTC alignment Maximum flood velocity (m/s)	0 - 0.25
1D Channel diversions	Earthworks		0.25 - 0.5
Compensation storage area	NMU Routes		0.5 - 1.0
Existing reservoir infilled			1.0 - 2
Revised reservoir footprint			> 2.0
Order Limits			



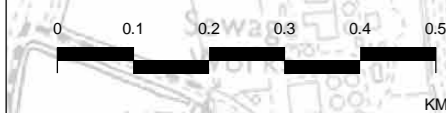
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (with mitigation) Sheet 3 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01037				

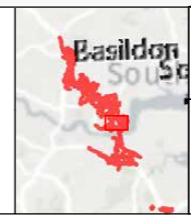


Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	2yr
Climate change uplift applied (%)	26
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

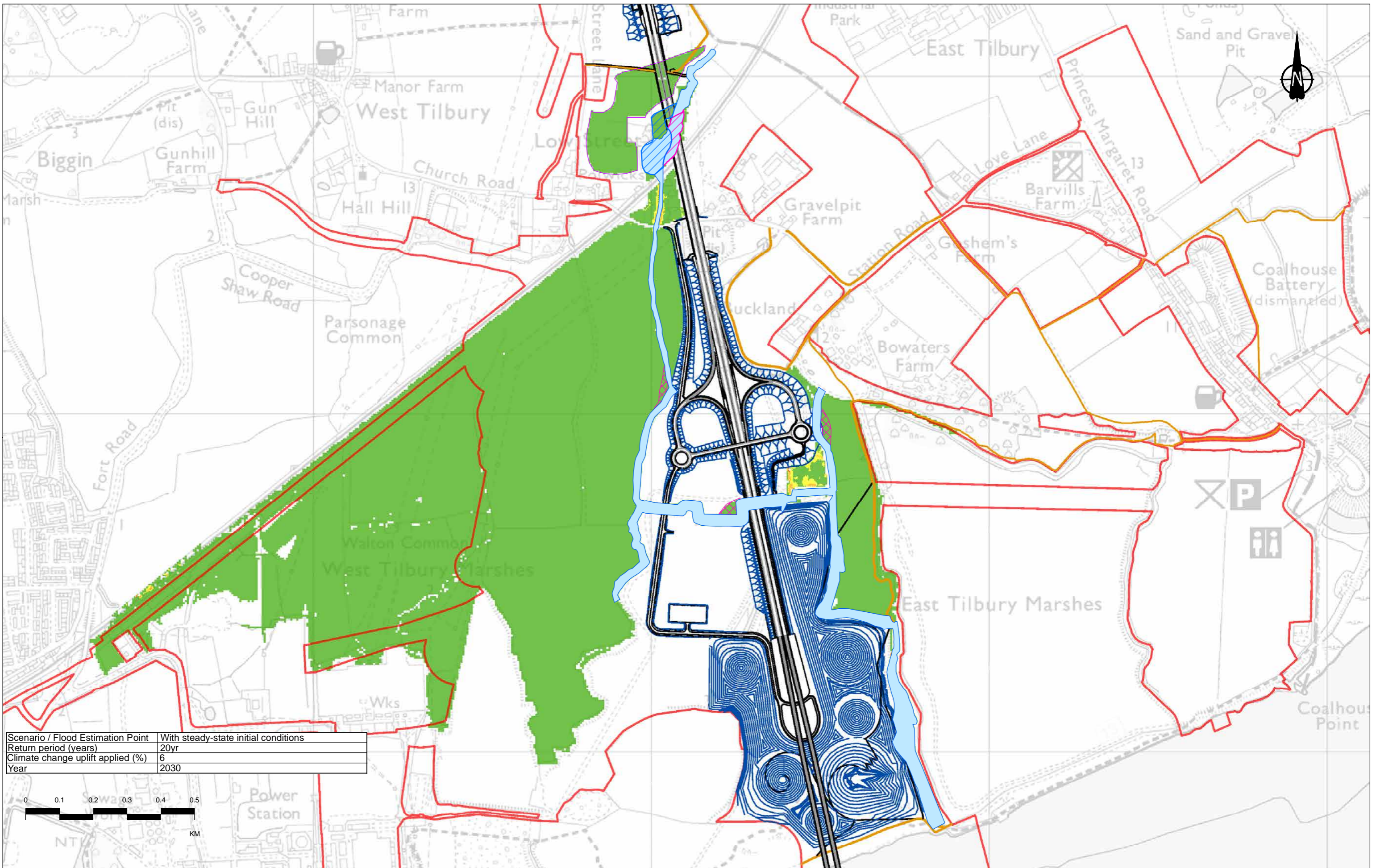
Legend		Proposed LTC alignment		Maximum flood velocity (m/s)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2
	Revised reservoir footprint				> 2.0
	Order Limits				



Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (with mitigation) Sheet 4 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01038				



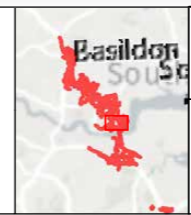
Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	20yr
Climate change uplift applied (%)	6
Year	2030

0	0.1	0.2	0.3	0.4	0.5
KM					

01	SB	02/08/2022	DCO Application	AK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

Legend

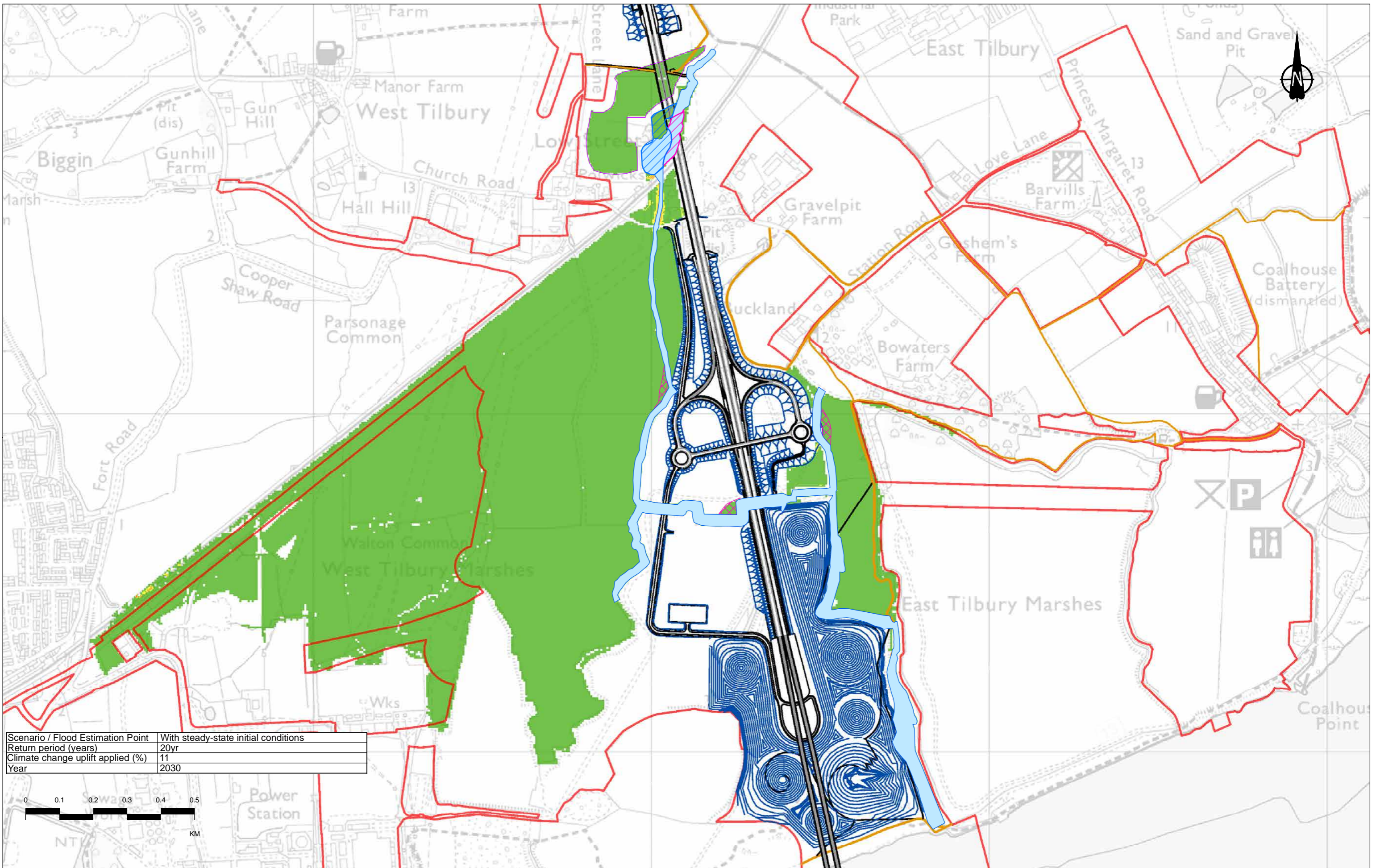
1D Channel	Alignment	0 - 0.25
1D Channel diversions	Earthworks	0.25 - 0.5
Compensation storage area	NMU Routes	0.5 - 1.0
Existing reservoir infilled		1.0 - 2
Revised reservoir footprint		2.0
Order Limits		



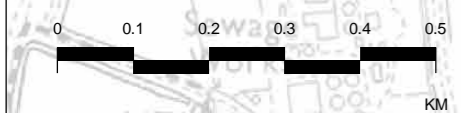
Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (with mitigation) Sheet 5 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01039				



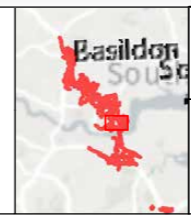
Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	20yr
Climate change uplift applied (%)	11
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

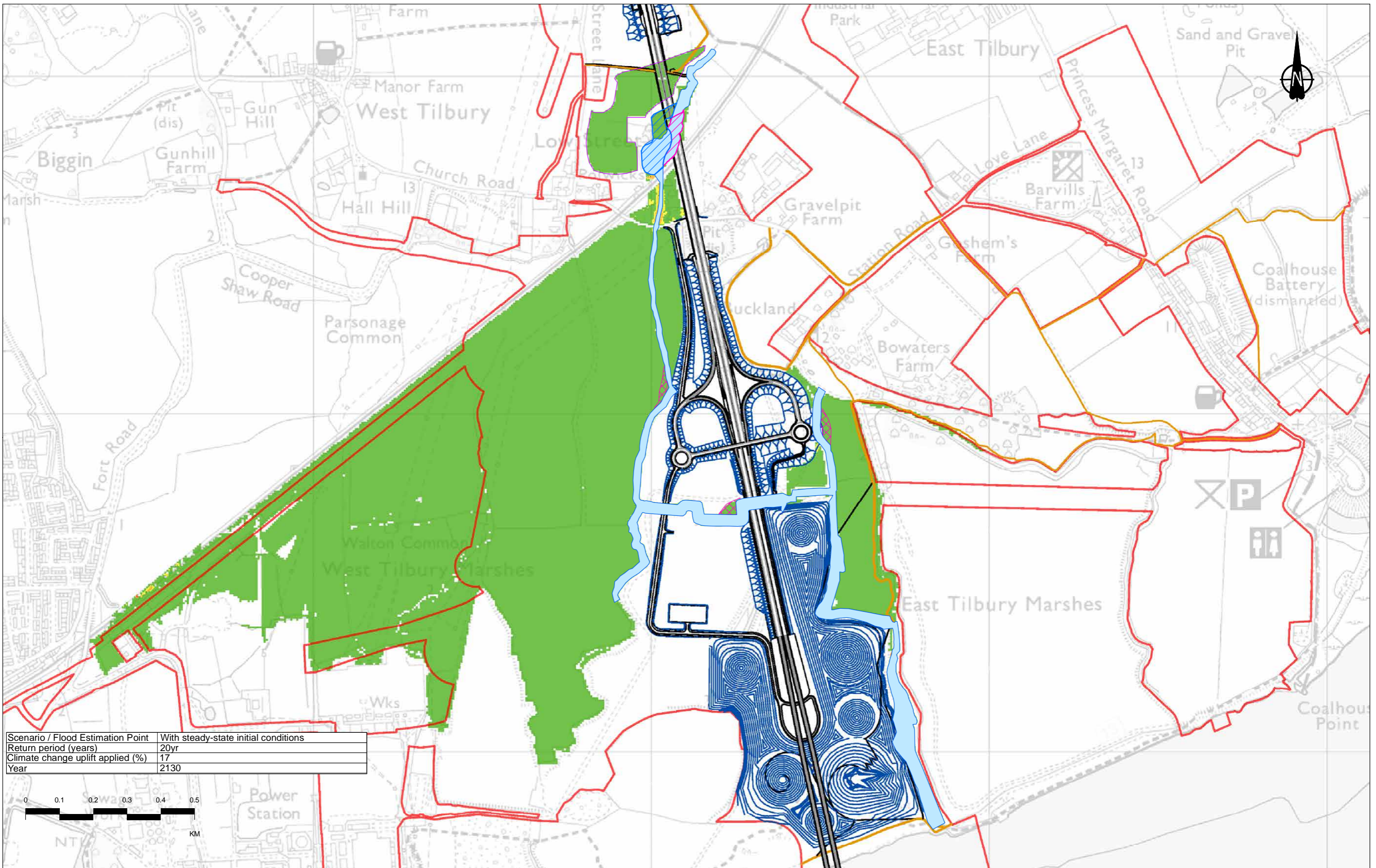
1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s)
1D Channel diversions	Earthworks	
Compensation storage area	NMU Routes	
Existing reservoir infilled		
Revised reservoir footprint		
Order Limits		0 - 0.25
		0.25 - 0.5
		0.5 - 1.0
		1.0 - 2
		> 2.0



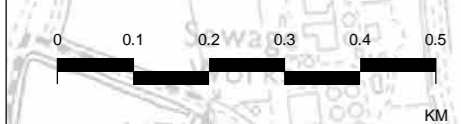
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (with mitigation) Sheet 6 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01040				



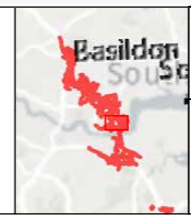
Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	20yr
Climate change uplift applied (%)	17
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

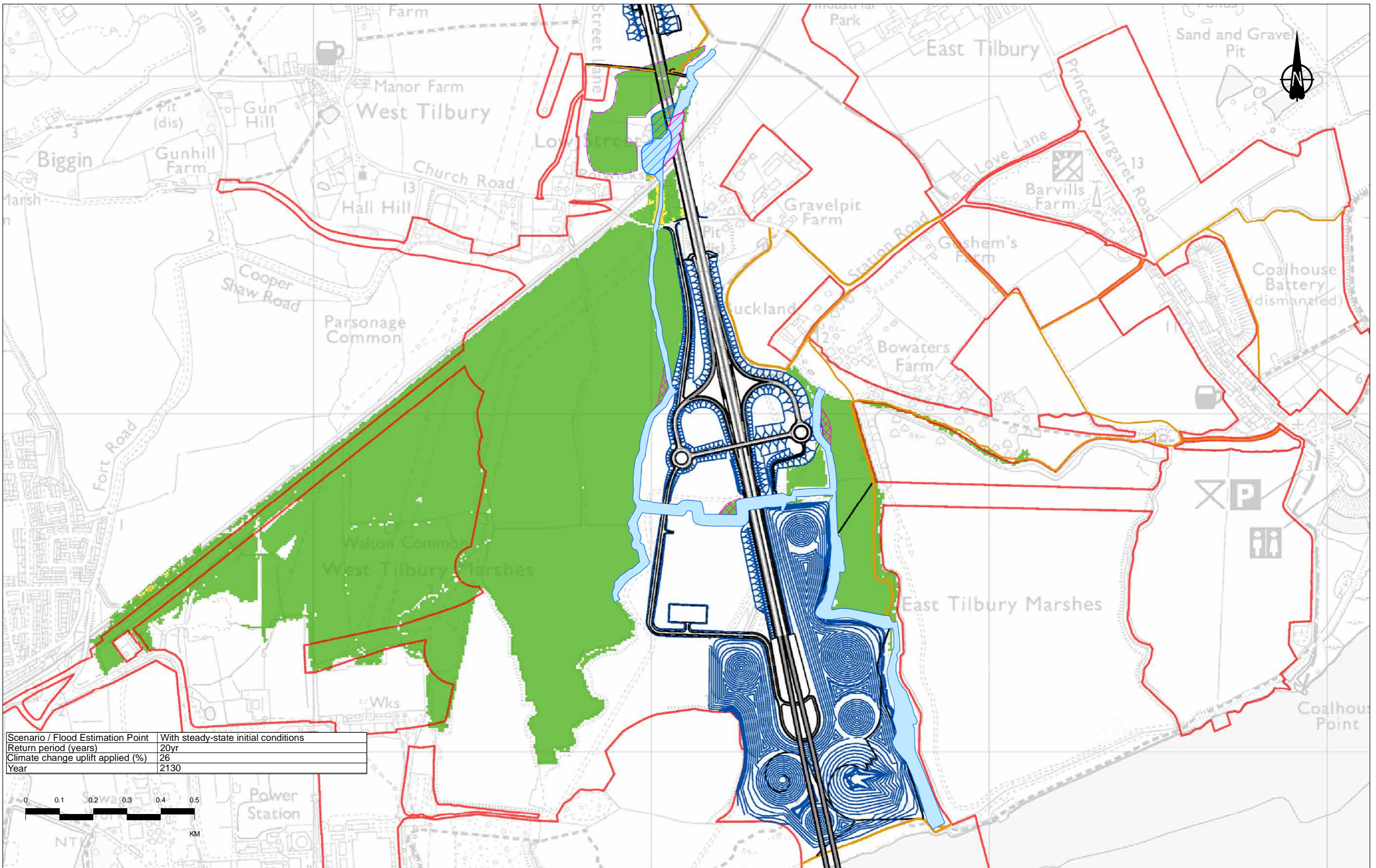
1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s)
1D Channel diversions	Earthworks	
Compensation storage area	NMU Routes	
Existing reservoir infilled	0 - 0.25	
Revised reservoir footprint	0.25 - 0.5	
Order Limits	0.5 - 1.0	
	1.0 - 2	> 2.0



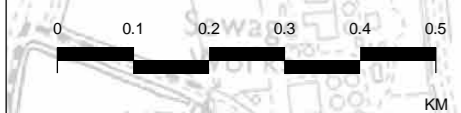
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (with mitigation) Sheet 7 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01041				

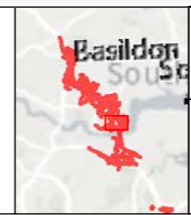


Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	20yr
Climate change uplift applied (%)	26
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

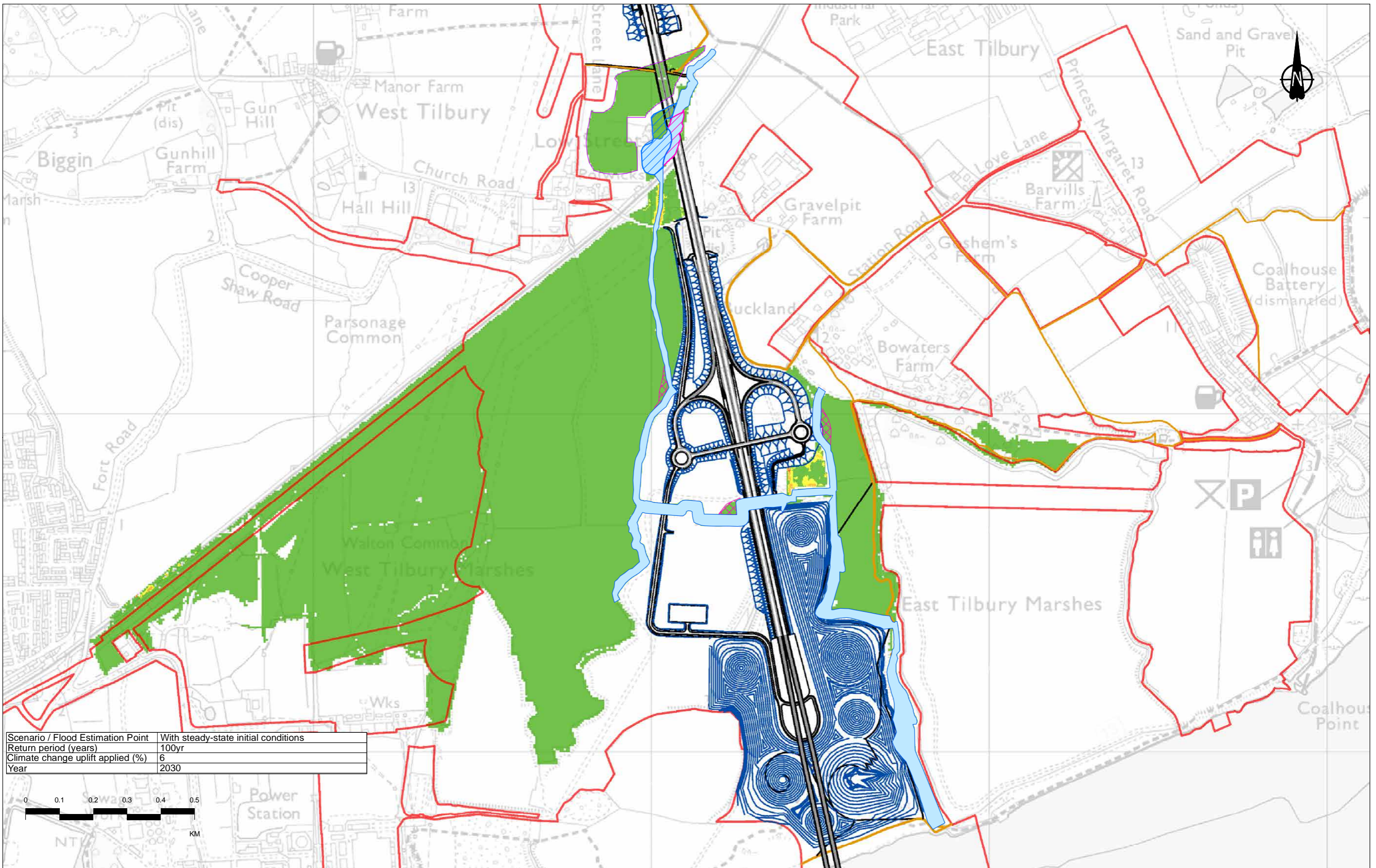
Legend		Proposed LTC alignment		Maximum flood velocity (m/s)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2
	Revised reservoir footprint				> 2.0
	Order Limits				



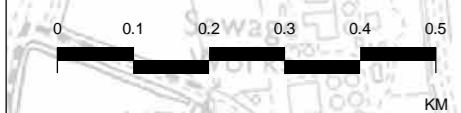
Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (with mitigation) Sheet 8 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01042				

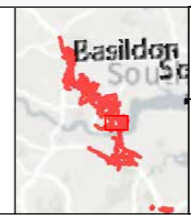


Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	100yr
Climate change uplift applied (%)	6
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

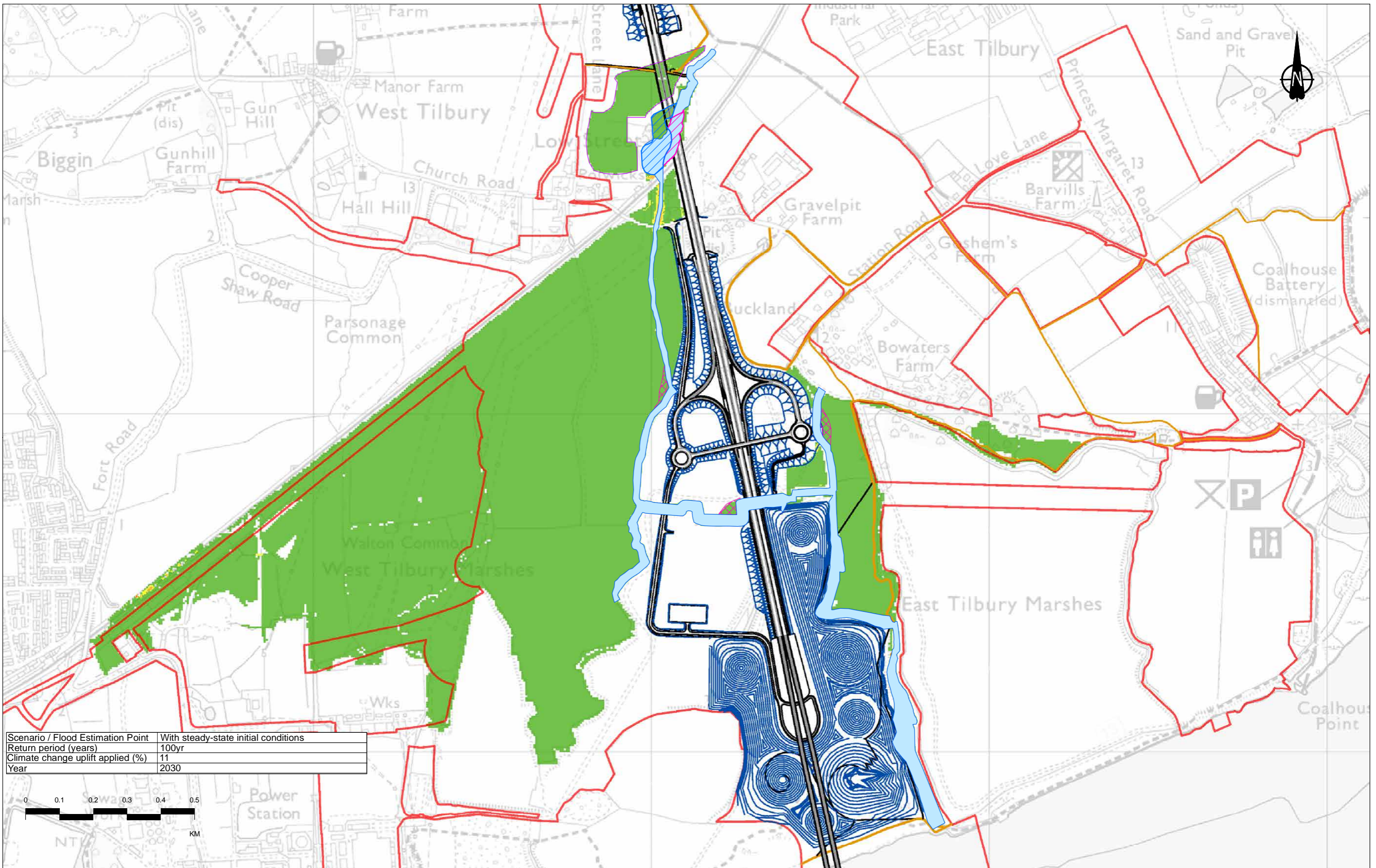
Legend		Proposed LTC alignment		Maximum flood velocity (m/s)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2
	Revised reservoir footprint				> 2.0
	Order Limits				



Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (with mitigation) Sheet 9 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01043				



Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	100yr
Climate change uplift applied (%)	11
Year	2030

Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

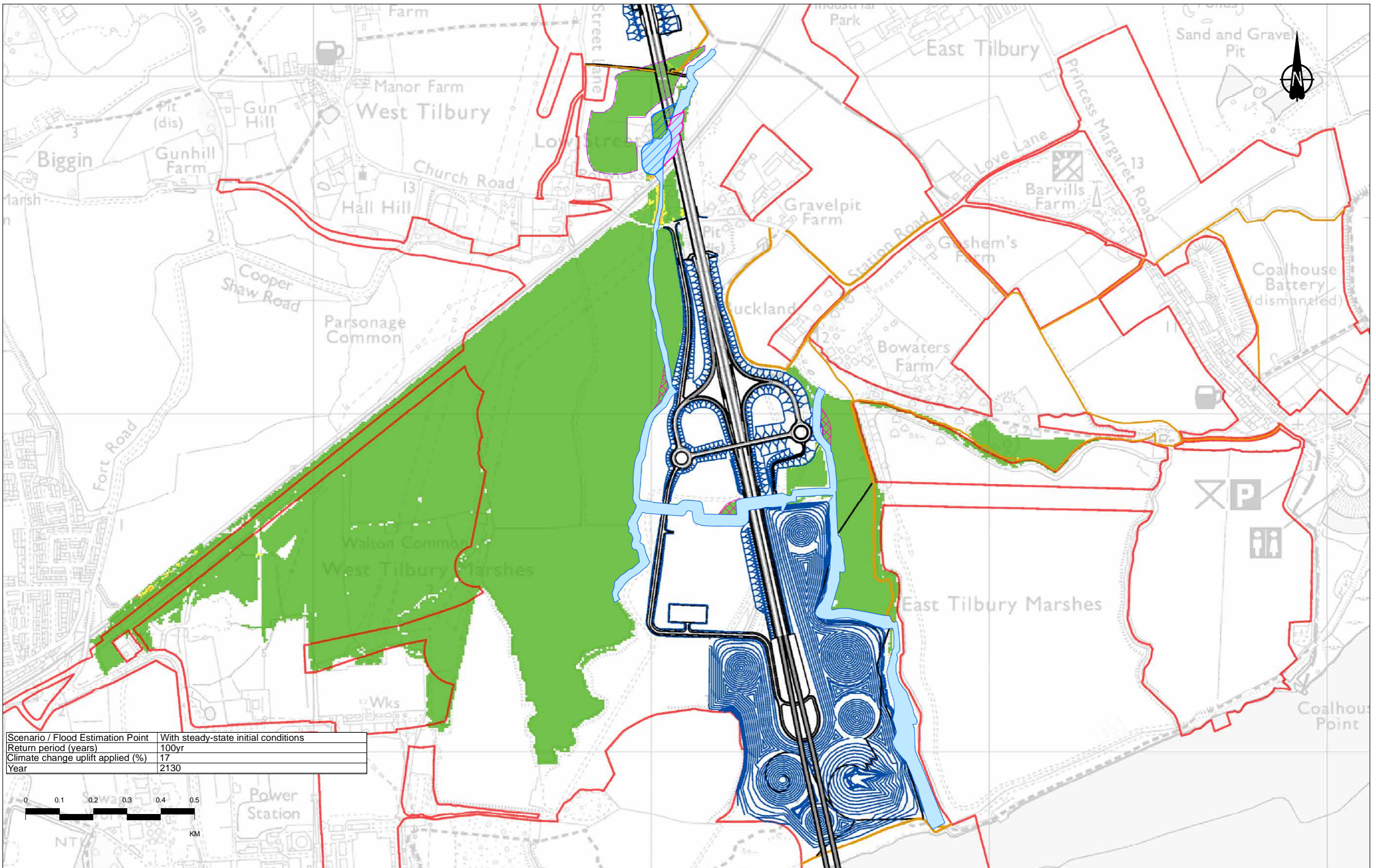
Legend

1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s) 0 - 0.25
1D Channel diversions	Alignment	0.25 - 0.5
Compensation storage area	Earthworks	0.5 - 1.0
Existing reservoir infilled	NMU Routes	1.0 - 2
Revised reservoir footprint		> 2.0
Order Limits		

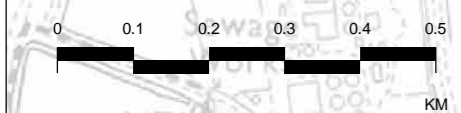
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (with mitigation) Sheet 10 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01044				



Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	100yr
Climate change uplift applied (%)	17
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

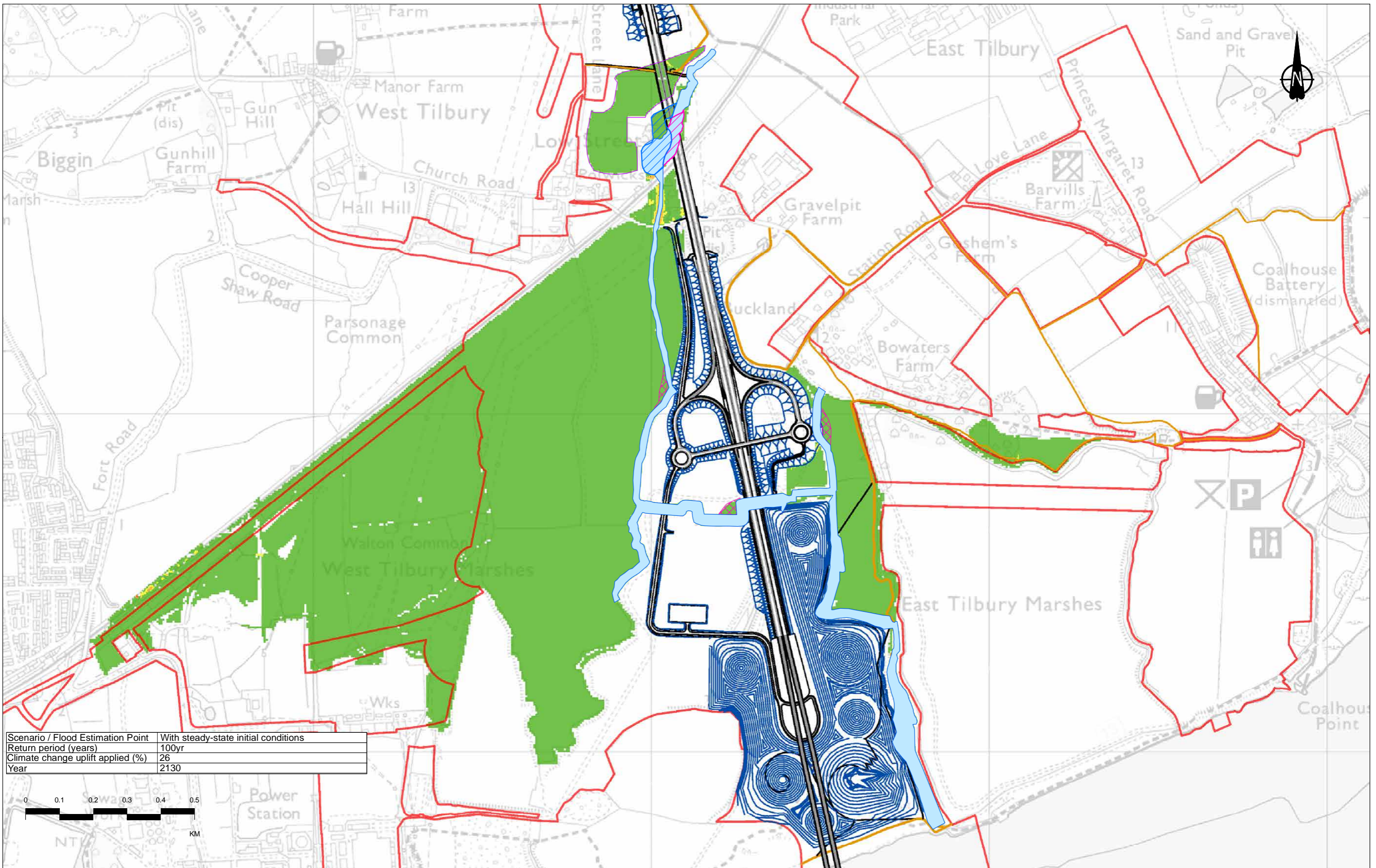
Legend

1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s)
1D Channel diversions	Alignment	0 - 0.25
Compensation storage area	Earthworks	0.25 - 0.5
Existing reservoir infilled	NMU Routes	0.5 - 1.0
Revised reservoir footprint		1.0 - 2
Order Limits		> 2.0

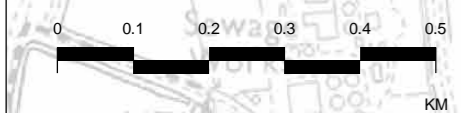
Client:

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (with mitigation) Sheet 11 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01045				



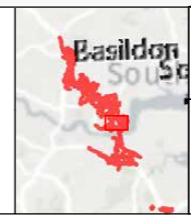
Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	100yr
Climate change uplift applied (%)	26
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

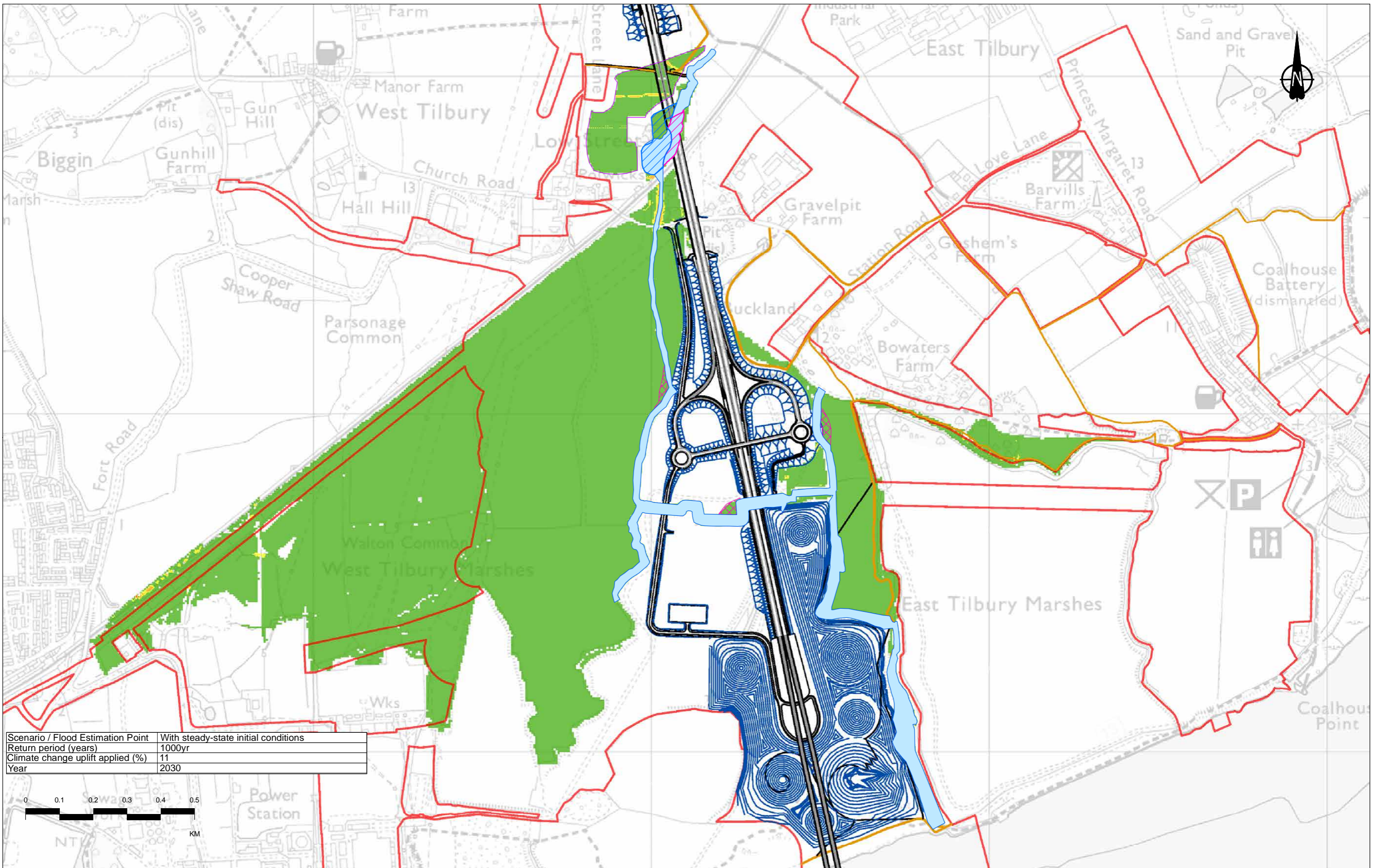
1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s) 0 - 0.25
1D Channel diversions	Earthworks	0.25 - 0.5
Compensation storage area	NMU Routes	0.5 - 1.0
Existing reservoir infilled		1.0 - 2
Revised reservoir footprint		> 2.0
Order Limits		



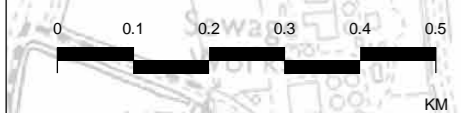
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (with mitigation) Sheet 12 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01046				



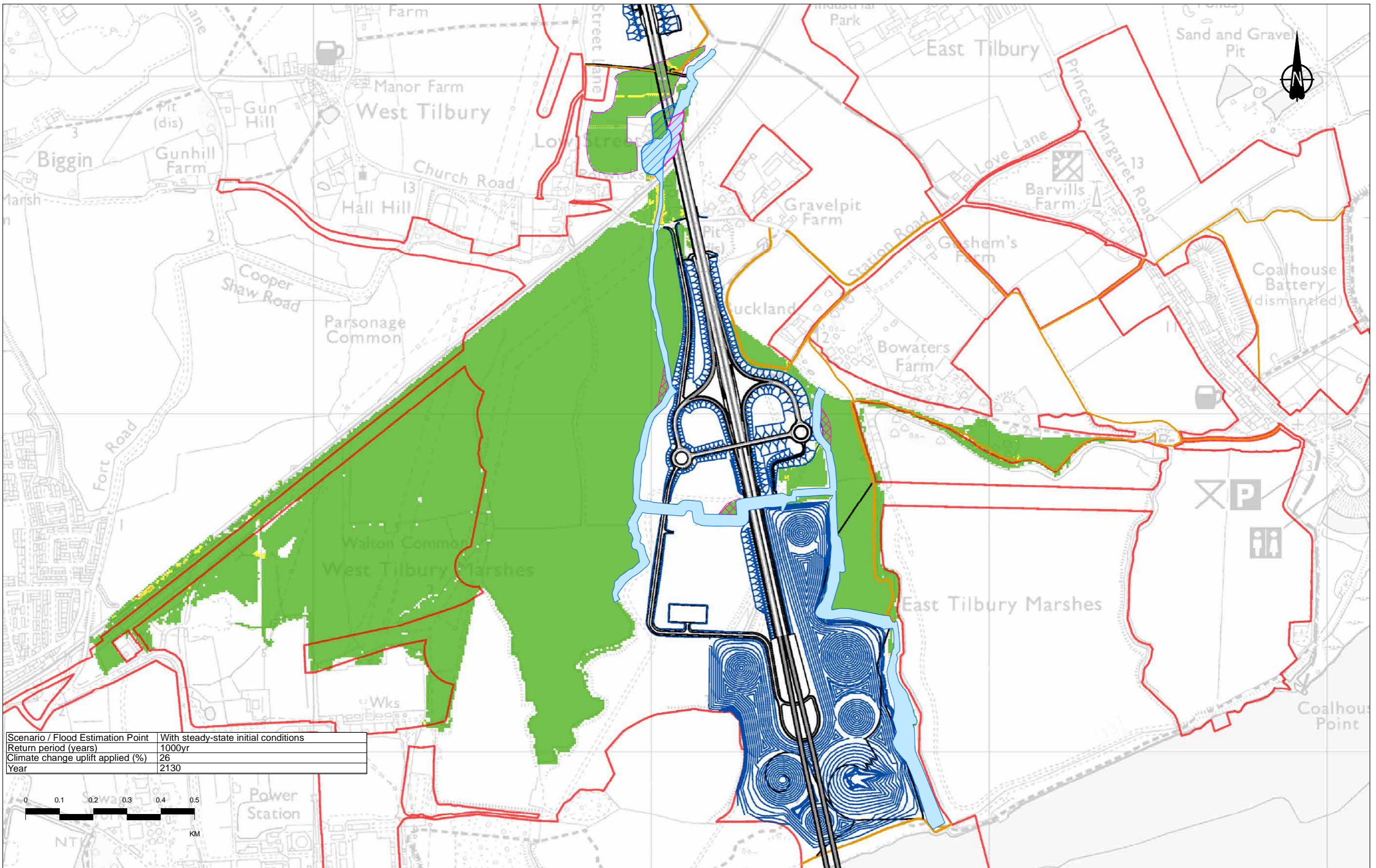
Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	1000yr
Climate change uplift applied (%)	11
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend		Proposed LTC alignment		Maximum flood velocity (m/s)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2
	Revised reservoir footprint				> 2.0
	Order Limits				

	Client		Status	DCO Application	Original Size	A3	Revision	P01
	Project	LOWER THAMES CROSSING	Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
			Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (with mitigation) Sheet 13 of 15				
			Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01047				

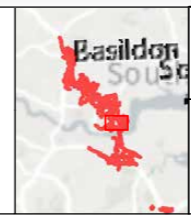


Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	1000yr
Climate change uplift applied (%)	26
Year	2130

0	0.1	0.2	0.3	0.4	0.5
KM					

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Legend		Proposed LTC alignment		Maximum flood velocity (m/s)	
	1D Channel		Alignment		0 - 0.25
	1D Channel diversions		Earthworks		0.25 - 0.5
	Compensation storage area		NMU Routes		0.5 - 1.0
	Existing reservoir infilled				1.0 - 2
	Revised reservoir footprint				> 2.0
	Order Limits				

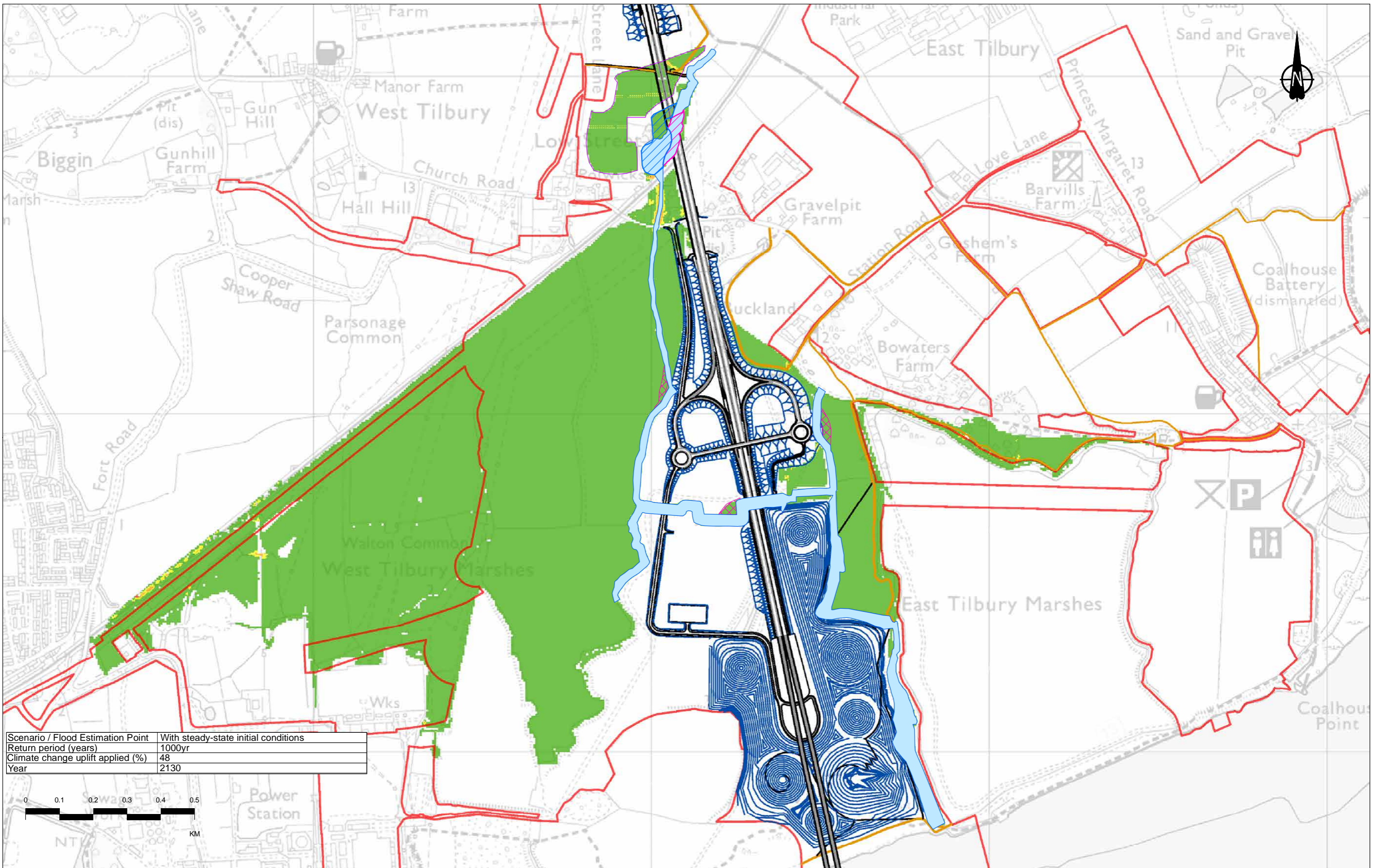


Client
national highways

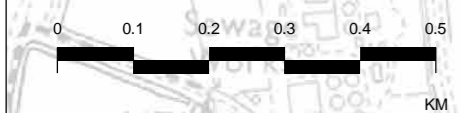
Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (with mitigation) Sheet 14 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01048				

P01	SB	02/08/2022	DCO Application	AK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd



Scenario / Flood Estimation Point	With steady-state initial conditions
Return period (years)	1000yr
Climate change uplift applied (%)	48
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	AK	RB	BF

Legend

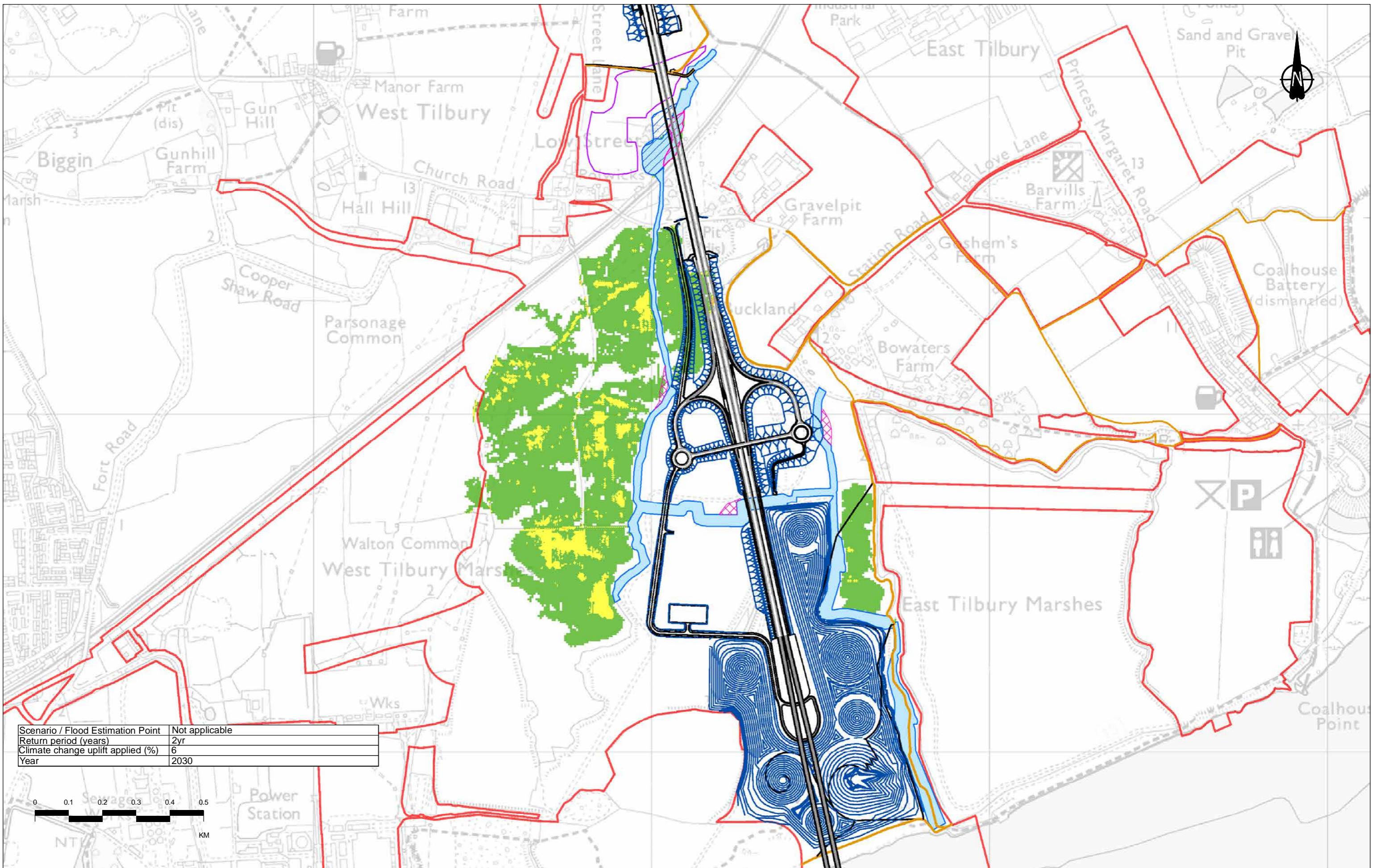
1D Channel	Proposed LTC alignment	Maximum flood velocity (m/s)
1D Channel diversions	Alignment	0 - 0.25
Compensation storage area	Earthworks	0.25 - 0.5
Existing reservoir infilled	NMU Routes	0.5 - 1.0
Revised reservoir footprint		1.0 - 2
Order Limits		> 2.0

Client: national highways

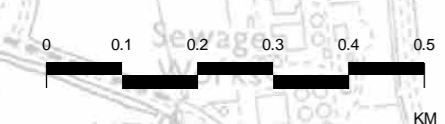
Project: Basildon South

LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (with mitigation) Sheet 15 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01049				



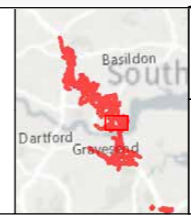
Scenario / Flood Estimation Point	Not applicable
Return period (years)	2yr
Climate change uplift applied (%)	6
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

Legend

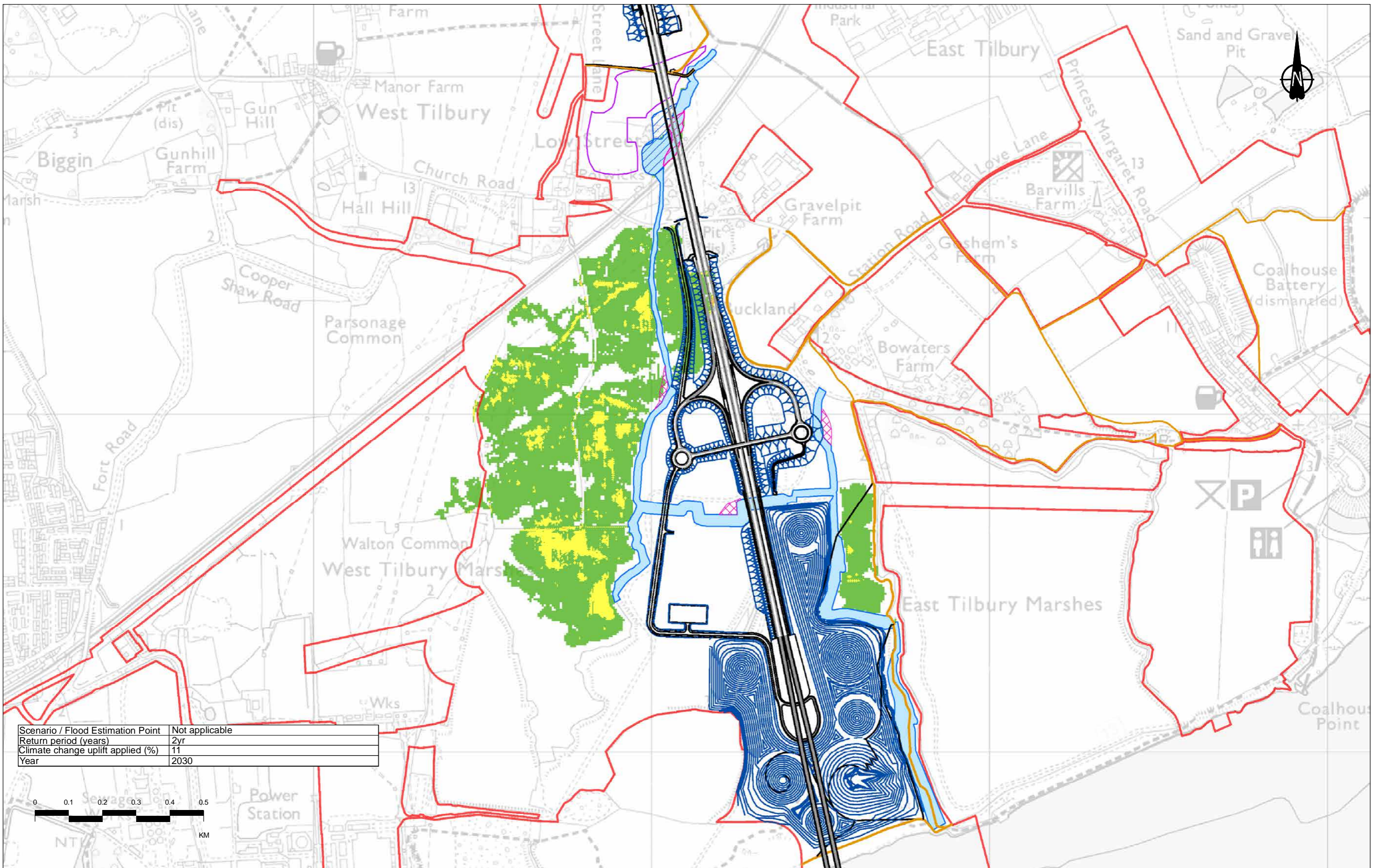
1D Channel	Proposed LTC alignment	Maximum flood hazard category
1D Channel diversions	Earthworks	Very low hazard
Compensation area	NMU Routes	Danger for some
Existing reservoir infilled		Danger for most
Revised reservoir footprint		Danger for all
Order Limits		



Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood hazard category Pre-development Sheet 1 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01050				



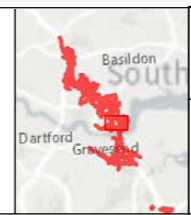
Scenario / Flood Estimation Point	Not applicable
Return period (years)	2yr
Climate change uplift applied (%)	11
Year	2030



PO1	SB	02/08/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

Legend

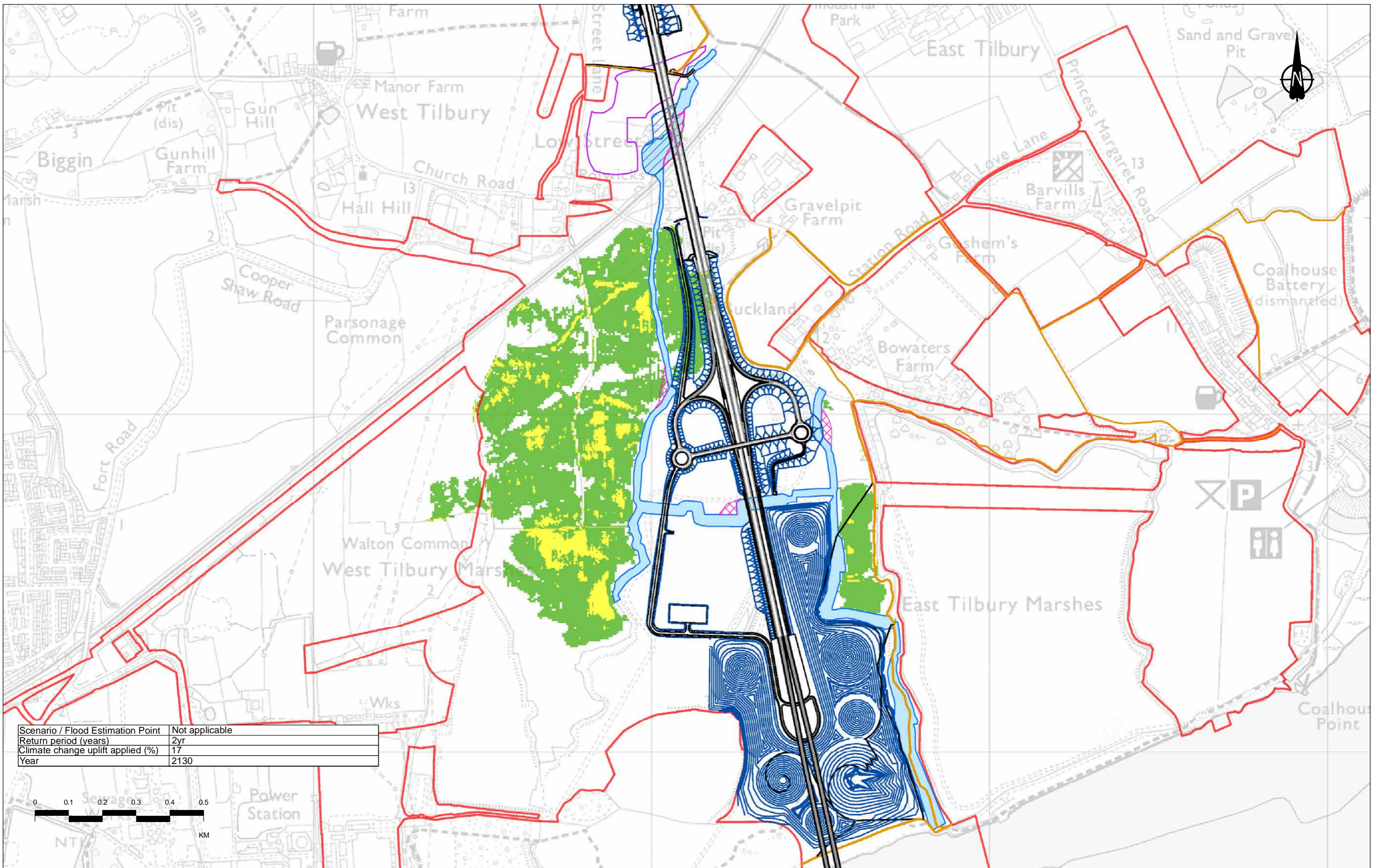
1D Channel	Alignment	Maximum flood hazard category
1D Channel diversions	Earthworks	
Compensation area	NMU Routes	
Existing reservoir infilled		
Revised reservoir footprint		
Order Limits		Very low hazard
		Danger for some
		Danger for most
		Danger for all



Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood hazard category Pre-development Sheet 2 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01051				

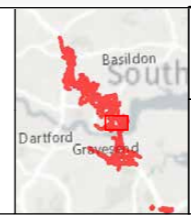


Scenario / Flood Estimation Point	Not applicable
Return period (years)	2yr
Climate change uplift applied (%)	17
Year	2130

Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

Legend

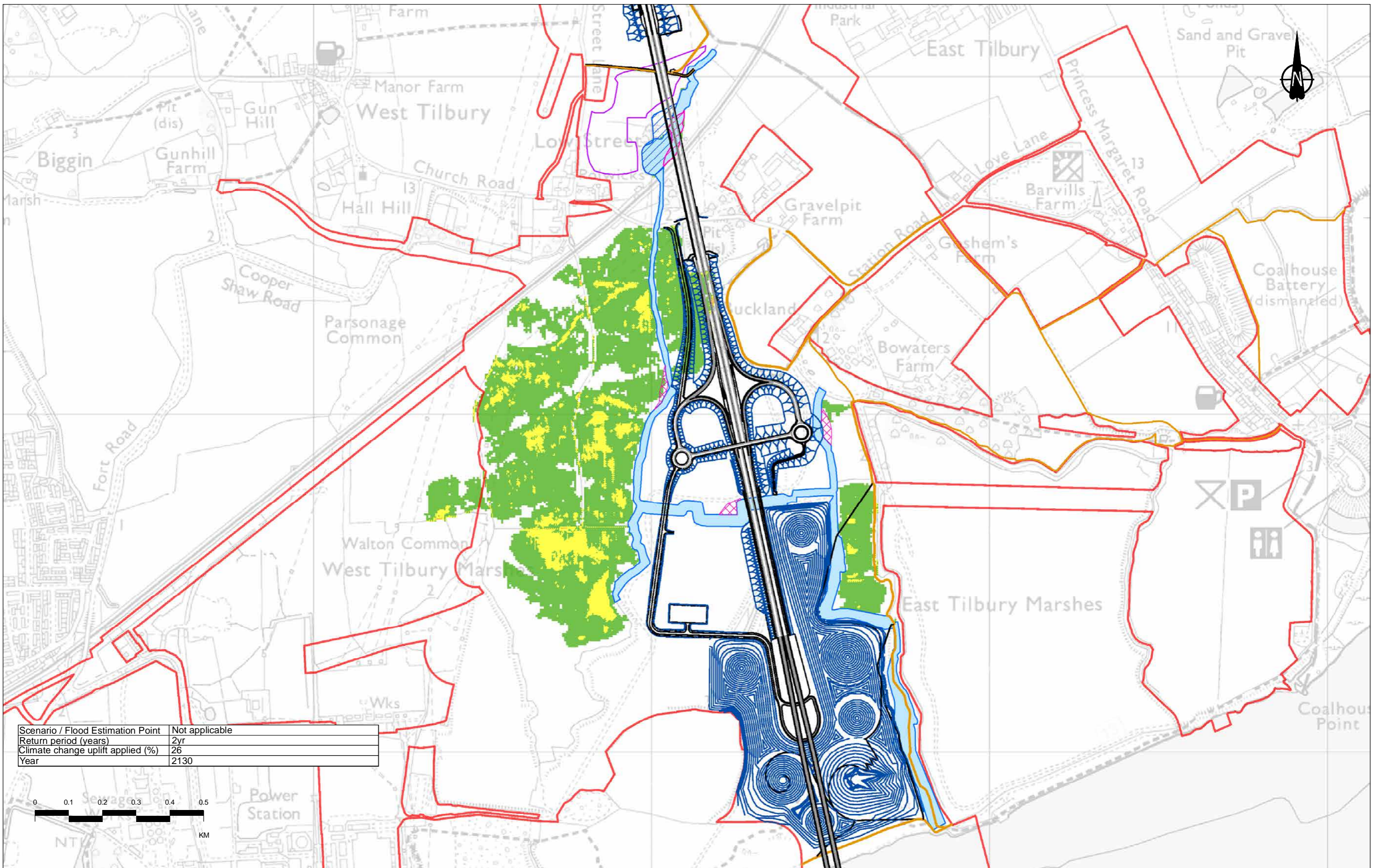
1D Channel	Alignment	Maximum flood hazard category
1D Channel diversions	Earthworks	
Compensation area	NMU Routes	
Existing reservoir infilled		
Revised reservoir footprint		
Order Limits		Very low hazard
		Danger for some
		Danger for most
		Danger for all



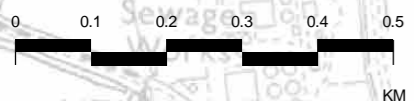
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood hazard category Pre-development Sheet 3 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01052				



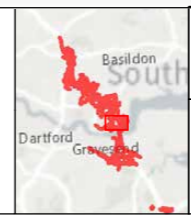
Scenario / Flood Estimation Point	Not applicable
Return period (years)	2yr
Climate change uplift applied (%)	26
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

Legend

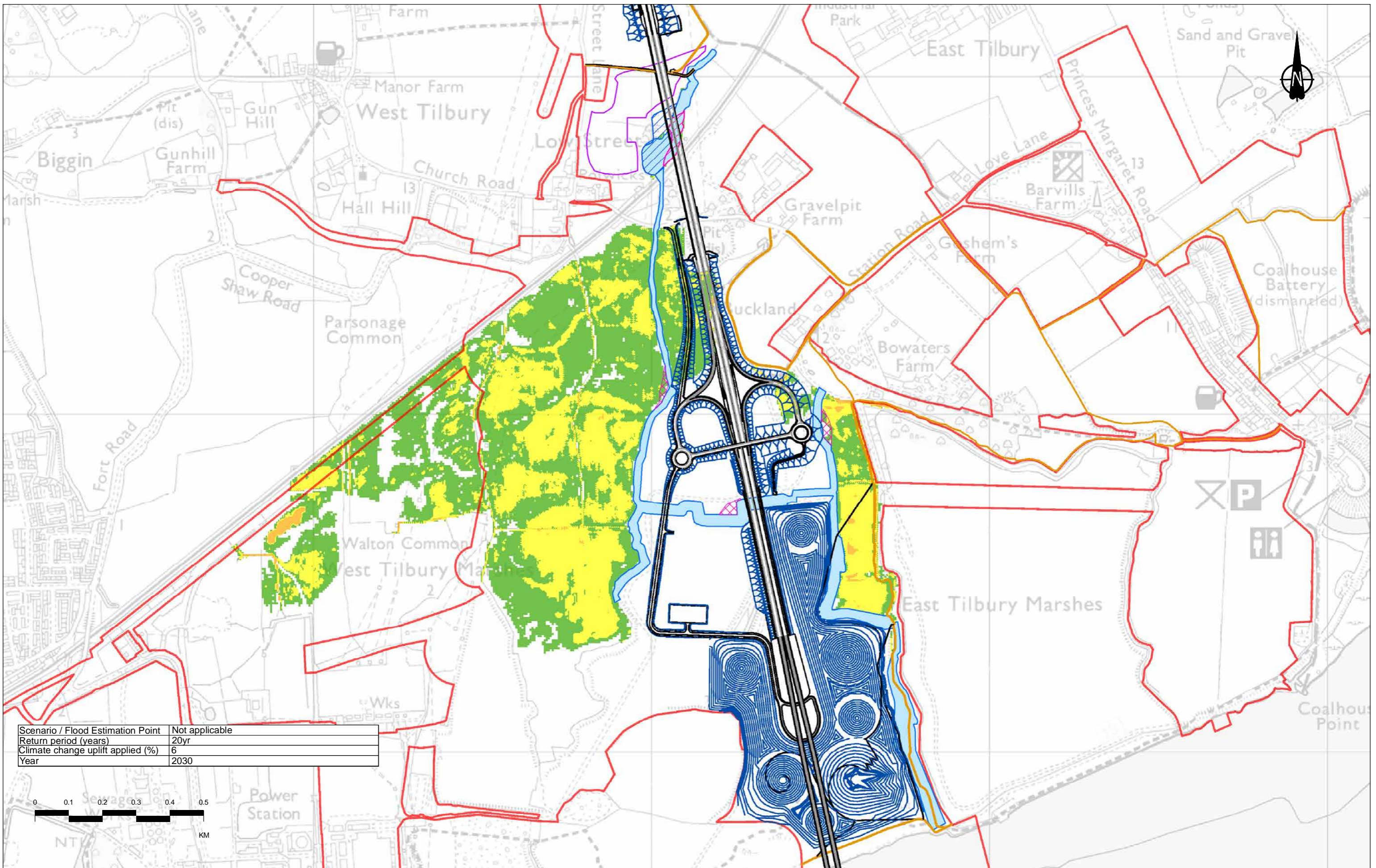
1D Channel	Proposed LTC alignment	Maximum flood hazard category: Very low hazard
1D Channel diversions	Earthworks	Danger for some
Compensation area	NMU Routes	Danger for most
Existing reservoir infilled		Danger for all
Revised reservoir footprint		
Order Limits		



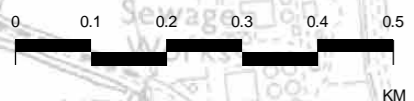
national highways

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood hazard category Pre-development Sheet 4 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01053				



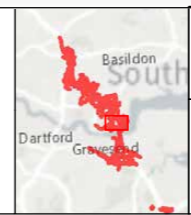
Scenario / Flood Estimation Point	Not applicable
Return period (years)	20yr
Climate change uplift applied (%)	6
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

Legend

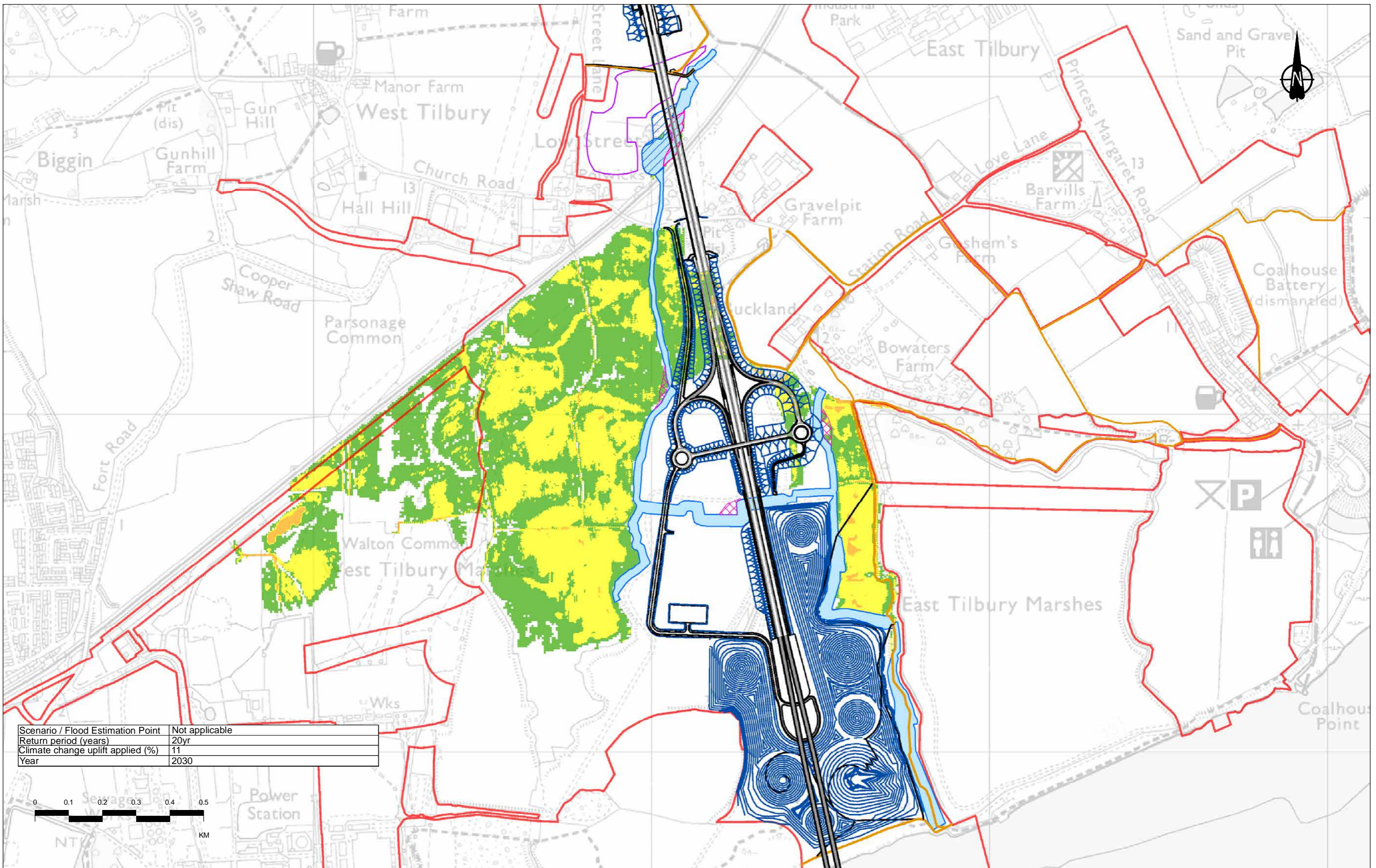
1D Channel	Alignment	Proposed LTC alignment	Very low hazard	Maximum flood hazard category
1D Channel diversions	Earthworks		Danger for some	
Compensation area	NMU Routes		Danger for most	
Existing reservoir infilled			Danger for all	
Revised reservoir footprint				
Order Limits				



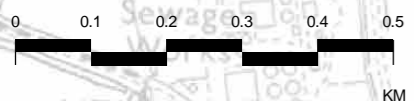
national highways

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood hazard category Pre-development Sheet 5 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01054				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	20yr
Climate change uplift applied (%)	11
Year	2030

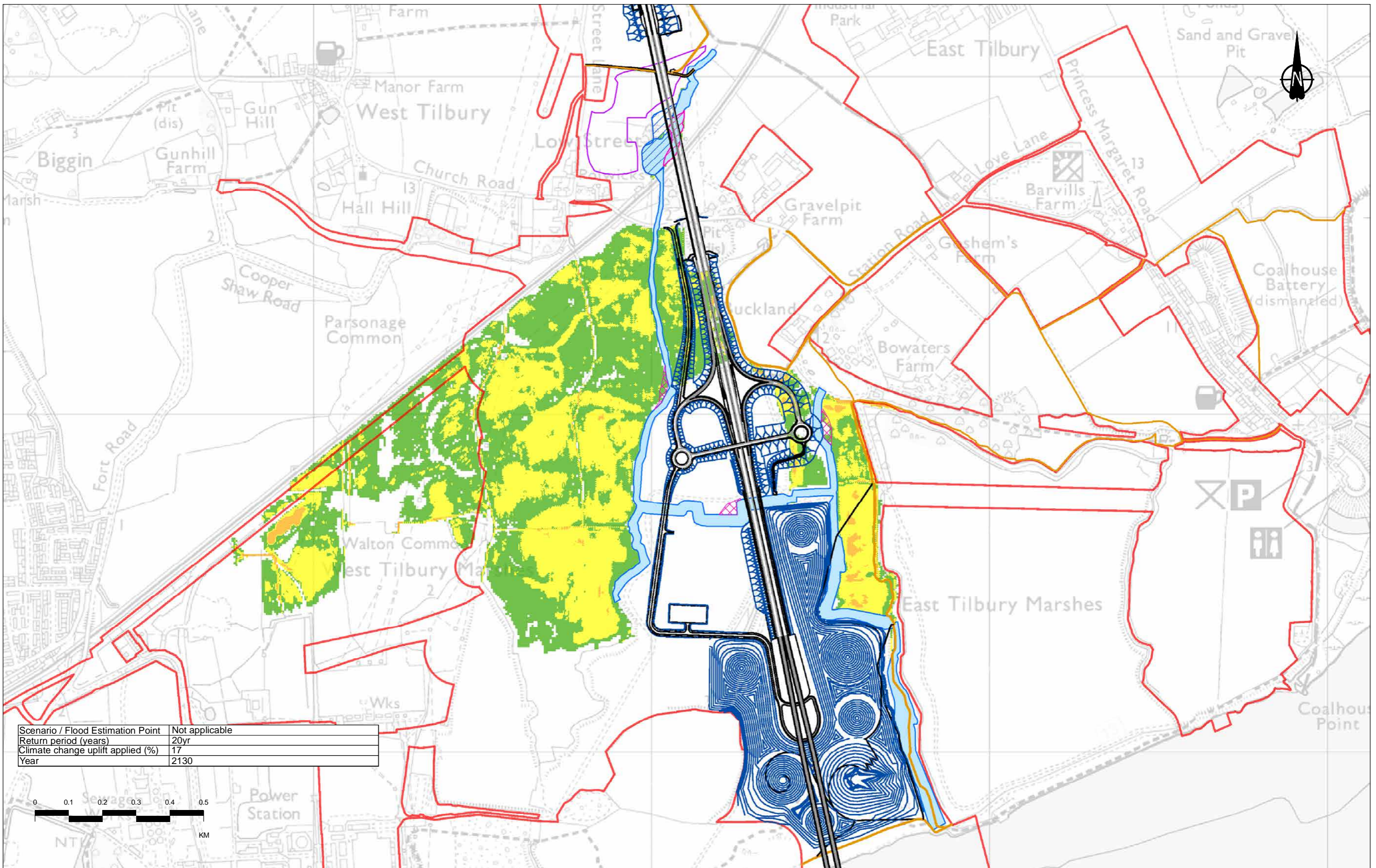


Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

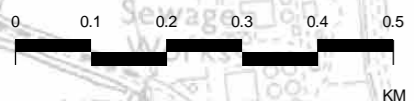
Legend

1D Channel	Alignment	Proposed LTC alignment	Maximum flood hazard category
1D Channel diversions	Earthworks		
Compensation area	NMU Routes		
Existing reservoir infilled			
Revised reservoir footprint		Very low hazard	Danger for some
Order Limits		Danger for most	Danger for all

		Client	DCO Application	Original Size	A3	Revision	P01
		Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Project	LOWER THAMES CROSSING	Drawing title	FRA - Tilbury Modelling Results Maximum flood hazard category Pre-development Sheet 6 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01055						



Scenario / Flood Estimation Point	Not applicable
Return period (years)	20yr
Climate change uplift applied (%)	17
Year	2130

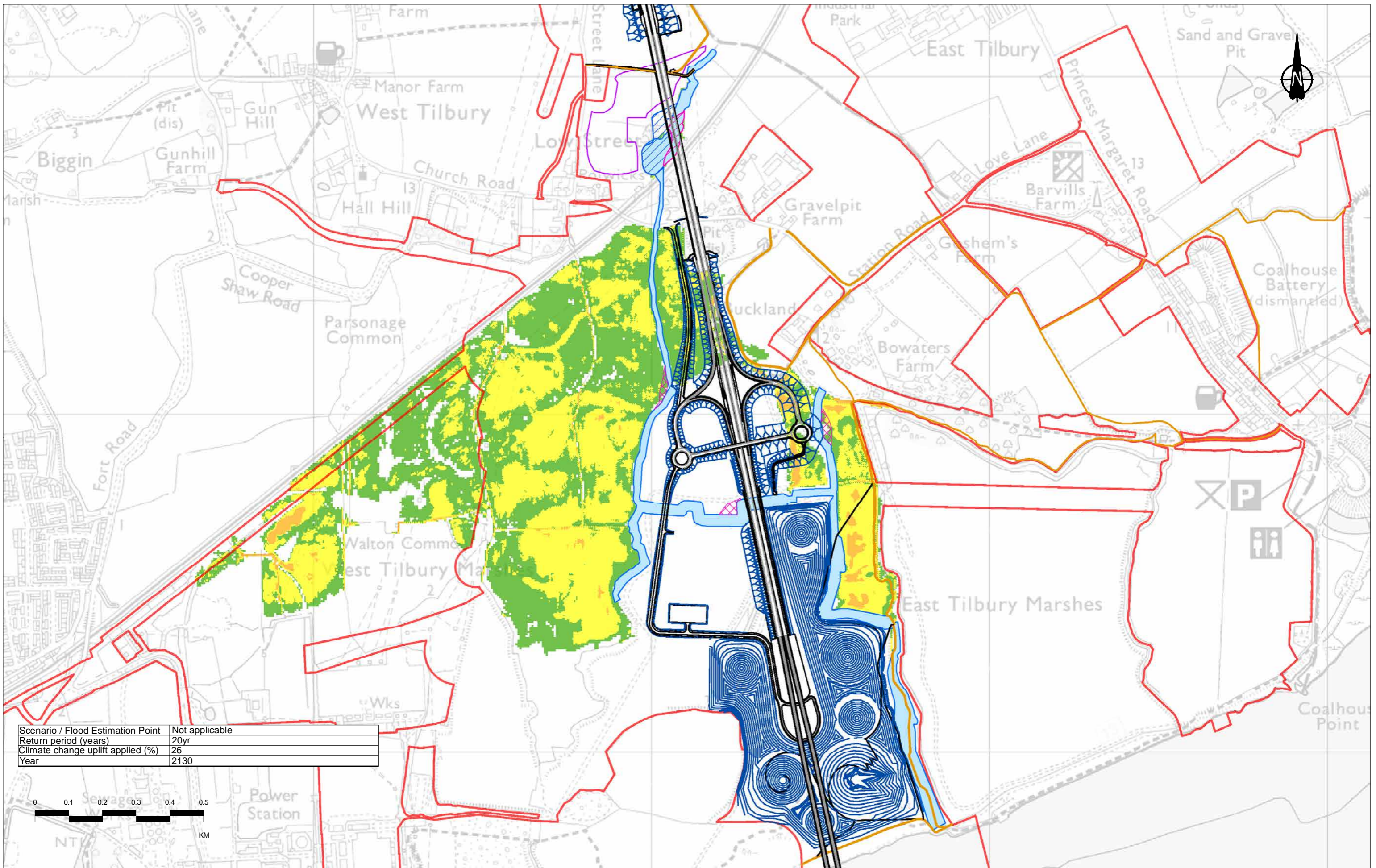


Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

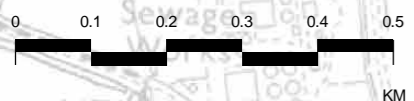
Legend

1D Channel	Proposed LTC alignment	Maximum flood hazard category
1D Channel diversions	Earthworks	
Compensation area	NMU Routes	
Existing reservoir infilled		
Revised reservoir footprint		
Order Limits		Very low hazard
		Danger for some
		Danger for most
		Danger for all

		Client	DCO Application	Original Size	A3	Revision	P01
		Project	LOWER THAMES CROSSING	Application Document Number	TR010032/APP/6.3	Scale	1:10,000
		Drawing title	FRA - Tilbury Modelling Results Maximum flood hazard category Pre-development Sheet 7 of 15				
		Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01056				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	20yr
Climate change uplift applied (%)	26
Year	2130

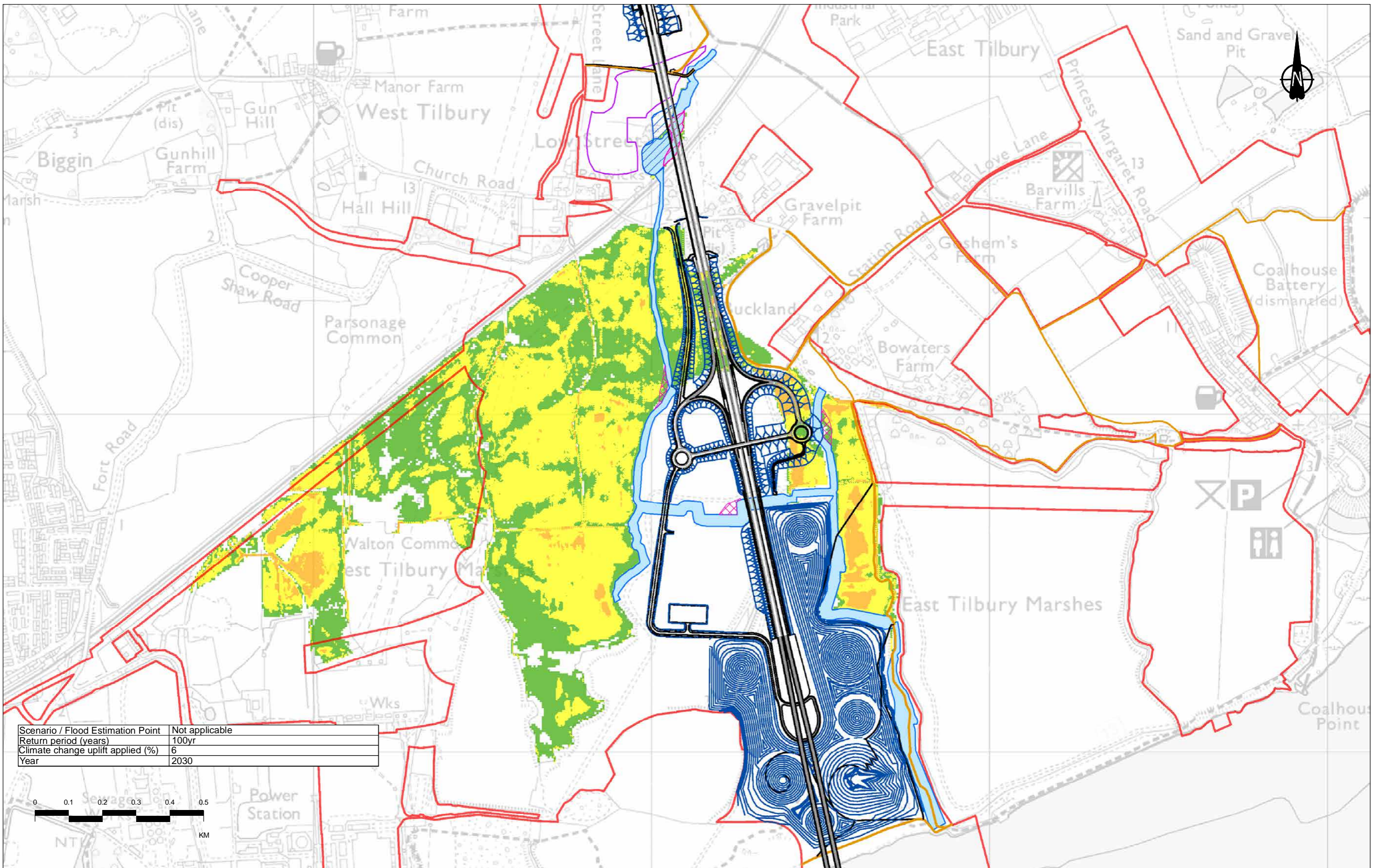


Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

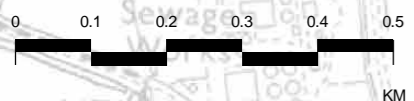
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1D Channel	Alignment	Proposed LTC alignment	Maximum flood hazard category
1D Channel diversions	Earthworks		
Compensation area	NMU Routes		
Existing reservoir infilled			
Revised reservoir footprint		Very low hazard	Danger for some
Order Limits		Danger for most	Danger for all

		Client	DCO Application	Original Size	A3	Revision	P01
		Project	LOWER THAMES CROSSING	Application Document Number	TR010032/APP/6.3	Scale	1:10,000
		Drawing title	FRA - Tilbury Modelling Results Maximum flood hazard category Pre-development Sheet 8 of 15				
		Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01057				



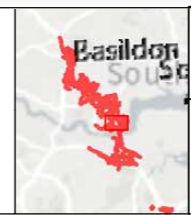
Scenario / Flood Estimation Point	Not applicable
Return period (years)	100yr
Climate change uplift applied (%)	6
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

Legend

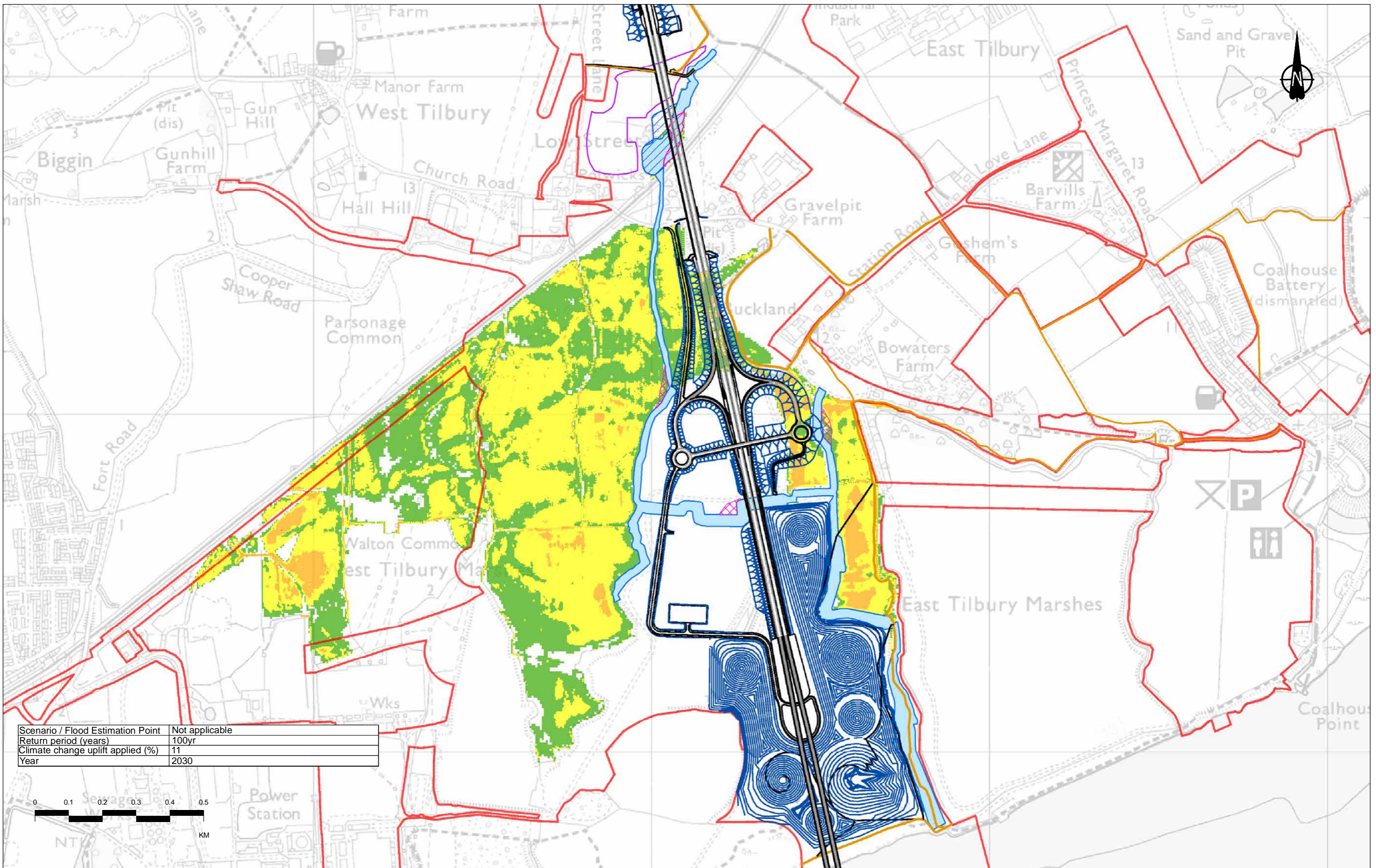
1D Channel	Alignment	Maximum flood hazard category
1D Channel diversions	Earthworks	
Compensation area	NMU Routes	
Existing reservoir infilled		
Revised reservoir footprint		Very low hazard
Order Limits		Danger for some
		Danger for most
		Danger for all



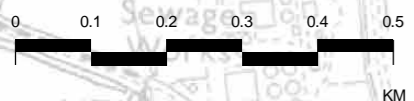
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood hazard category Pre-development Sheet 9 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01058				



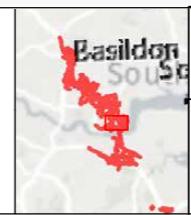
Scenario / Flood Estimation Point	Not applicable
Return period (years)	100yr
Climate change uplift applied (%)	11
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

Legend

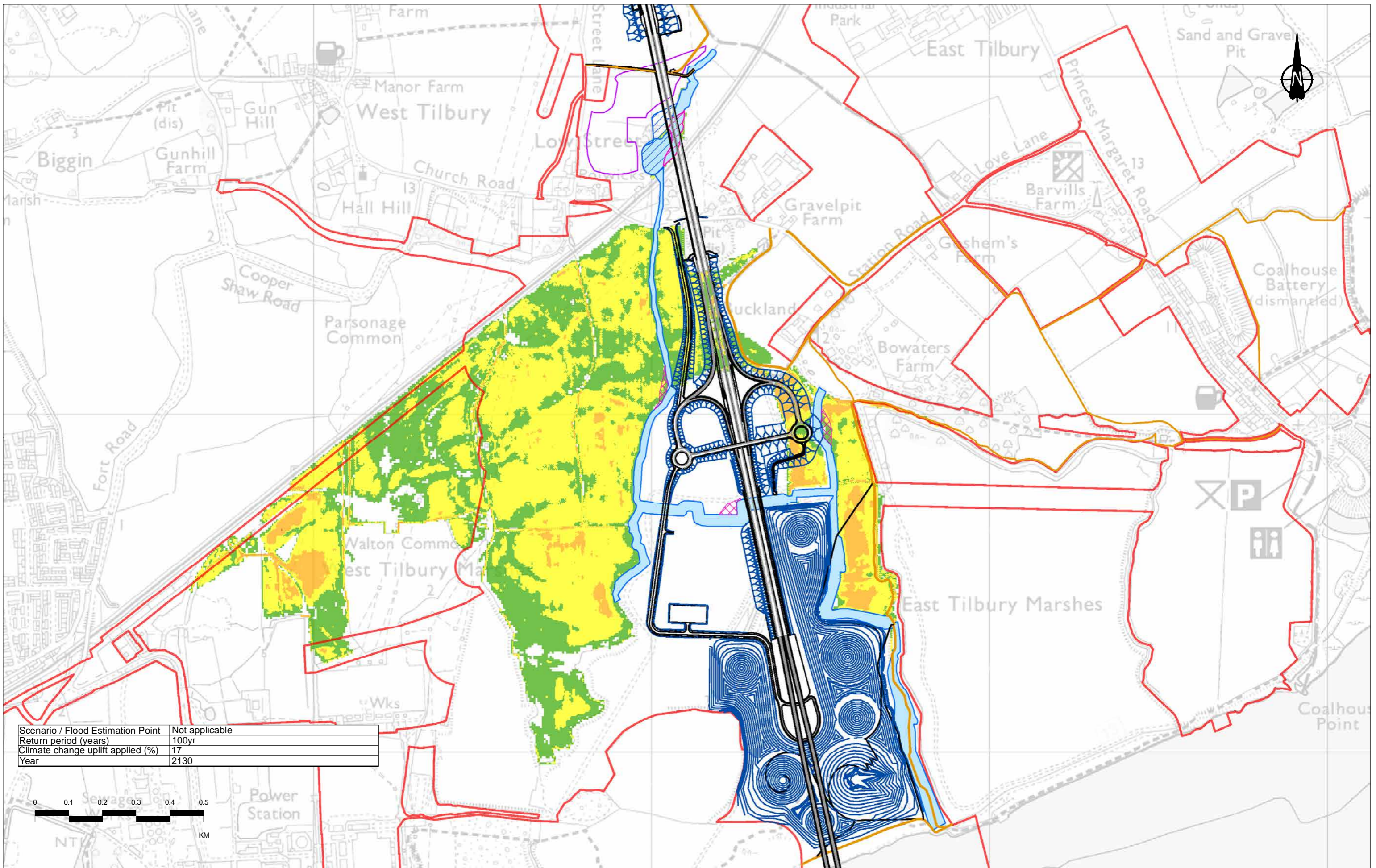
1D Channel	Alignment	Maximum flood hazard category
1D Channel diversions	Earthworks	
Compensation area	NMU Routes	
Existing reservoir infilled		
Revised reservoir footprint		Very low hazard
Order Limits		Danger for some
		Danger for most
		Danger for all



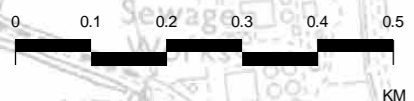
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood hazard category Pre-development Sheet 10 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01059				



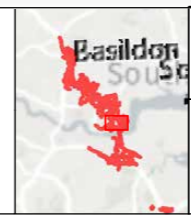
Scenario / Flood Estimation Point	Not applicable
Return period (years)	100yr
Climate change uplift applied (%)	17
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

Legend

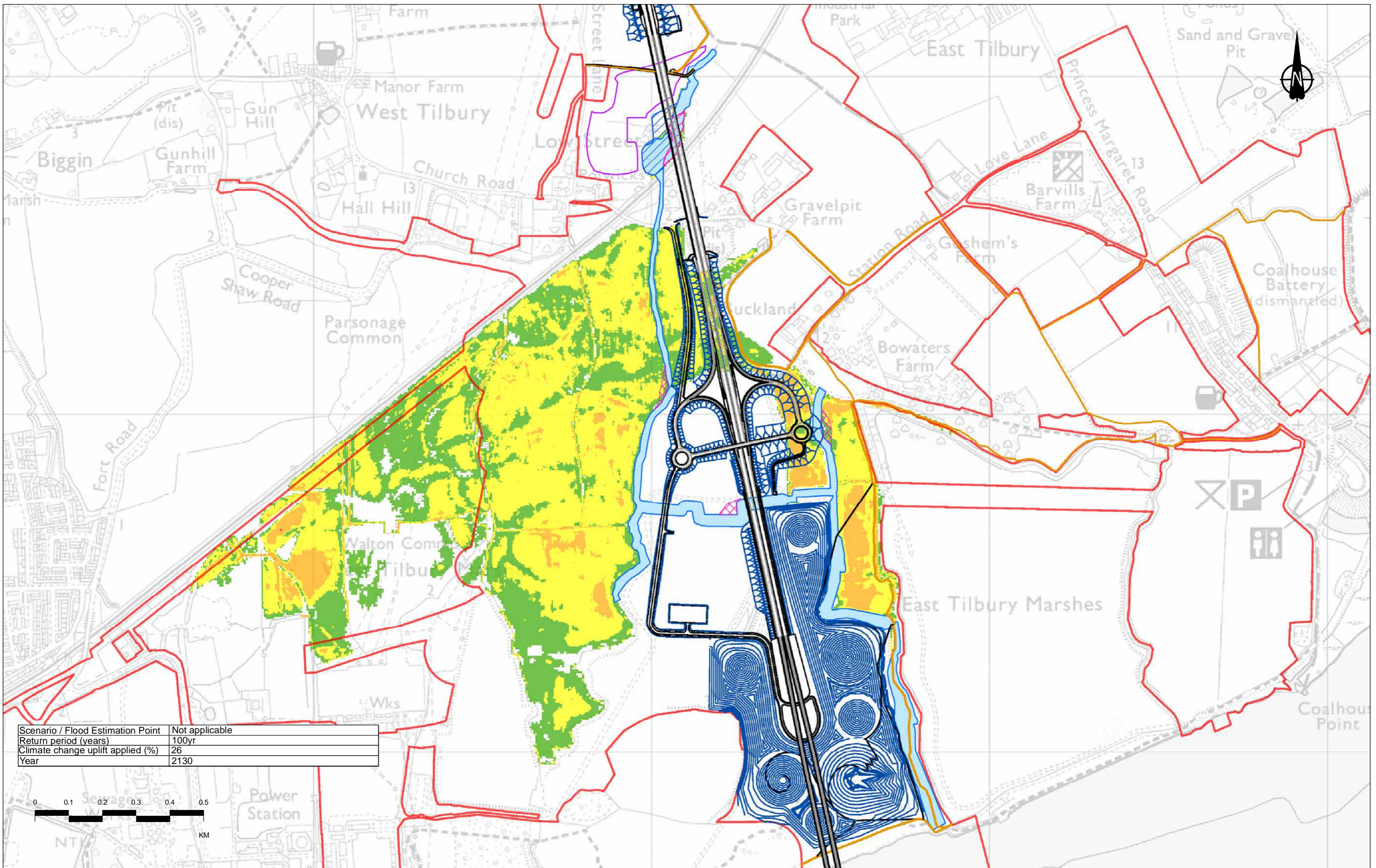
1D Channel	Alignment	Maximum flood hazard category
1D Channel diversions	Earthworks	
Compensation area	NMU Routes	
Existing reservoir infilled		
Revised reservoir footprint		Very low hazard
Order Limits		Danger for some
		Danger for most
		Danger for all



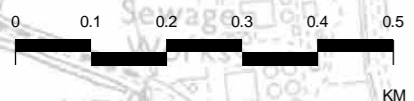
Client:

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:10,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood hazard category Pre-development Sheet 11 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01060				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	100yr
Climate change uplift applied (%)	26
Year	2130

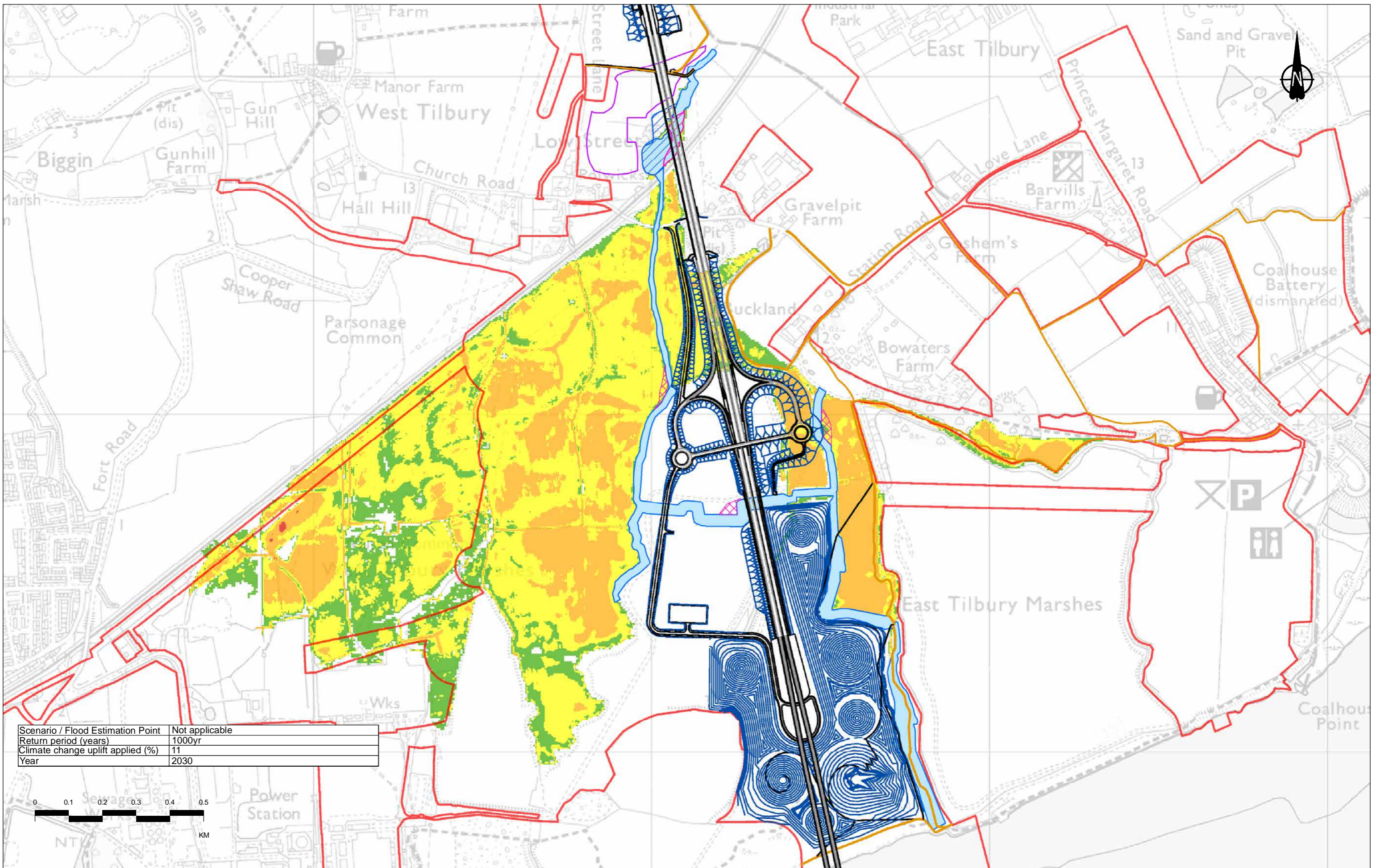


Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

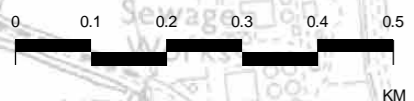
Legend

1D Channel	Alignment	Maximum flood hazard category
1D Channel diversions	Earthworks	
Compensation area	NMU Routes	
Existing reservoir infilled	Very low hazard	
Revised reservoir footprint	Danger for some	
Order Limits	Danger for most	Danger for all

		Client	DCO Application	Original Size	A3	Revision	P01
		Project	LOWER THAMES CROSSING	Application Document Number	TR010032/APP/6.3	Scale	1:10,000
		Drawing title	FRA - Tilbury Modelling Results Maximum flood hazard category Pre-development Sheet 12 of 15				
		Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01061				



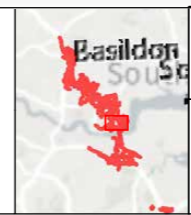
Scenario / Flood Estimation Point	Not applicable
Return period (years)	1000yr
Climate change uplift applied (%)	11
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

Legend

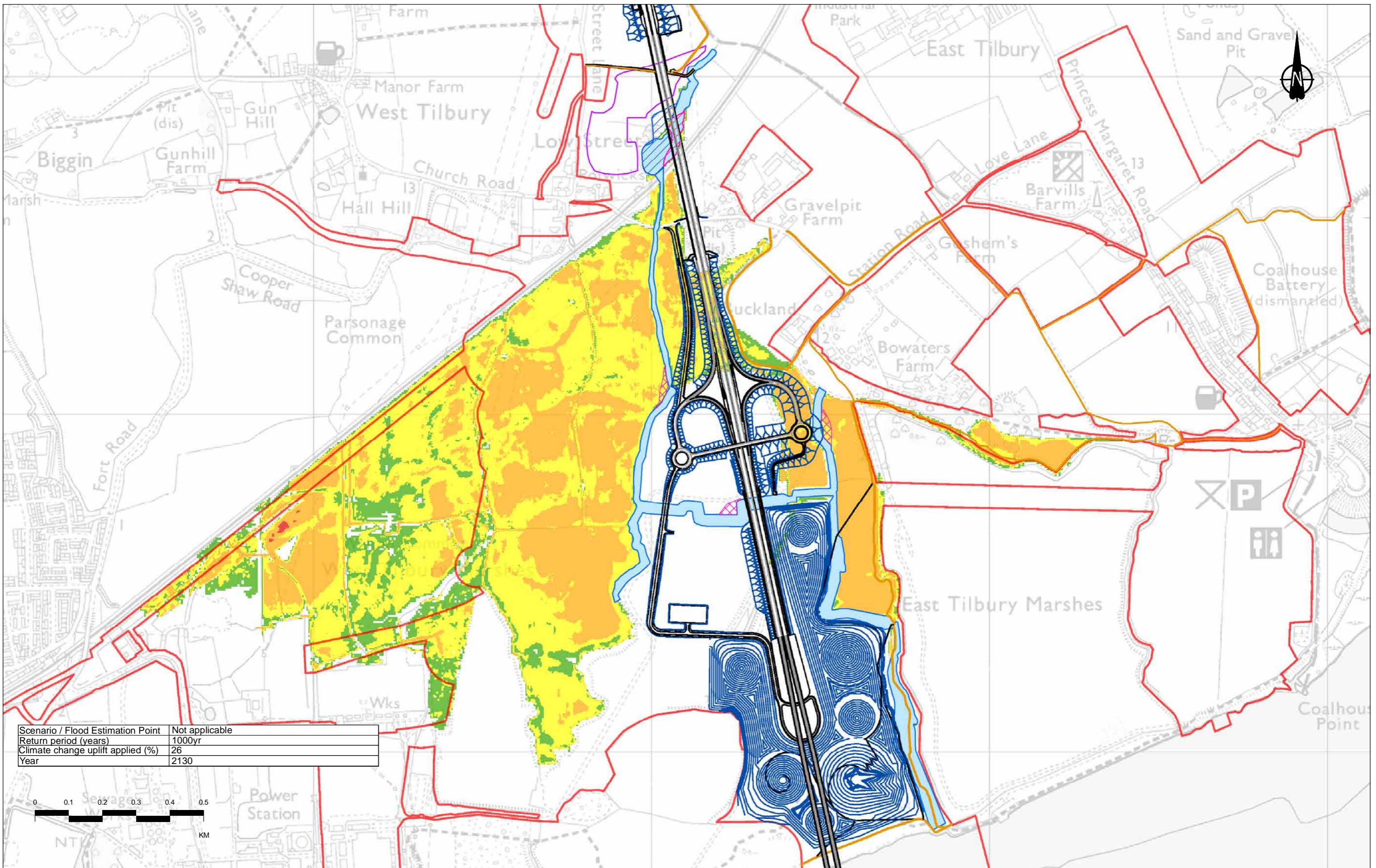
1D Channel	Alignment	Maximum flood hazard category
1D Channel diversions	Earthworks	
Compensation area	NMU Routes	
Existing reservoir infilled		
Revised reservoir footprint		
Order Limits		Very low hazard
		Danger for some
		Danger for most
		Danger for all



Client:

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Drawing title	FRA - Tilbury Modelling Results Maximum flood hazard category Pre-development Sheet 13 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01062				



Scenario / Flood Estimation Point	Not applicable
Return period (years)	1000yr
Climate change uplift applied (%)	26
Year	2130

Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P01	SB	02/08/2022	DCO Application	KK	RB	BF

Legend

1D Channel	Alignment	Maximum flood hazard category
1D Channel diversions	Earthworks	
Compensation area	NMU Routes	
Existing reservoir infilled		
Revised reservoir footprint		Very low hazard
Order Limits		Danger for some
		Danger for most
		Danger for all

		Client	DCO Application	Original Size	A3	Revision	P01
		Application Document Number	TR010032/APP/6.3	Scale	1:110,000		
Project	LOWER THAMES CROSSING	Drawing title	FRA - Tilbury Modelling Results Maximum flood hazard category Pre-development Sheet 14 of 15				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-01063						

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Registered office Bridge House, 1 Walnut Tree Close, Guildford GU1 4LZ

National Highways Company Limited registered in England and Wales number 09346363