Lower Thames Crossing

6.3 Environmental Statement Appendices

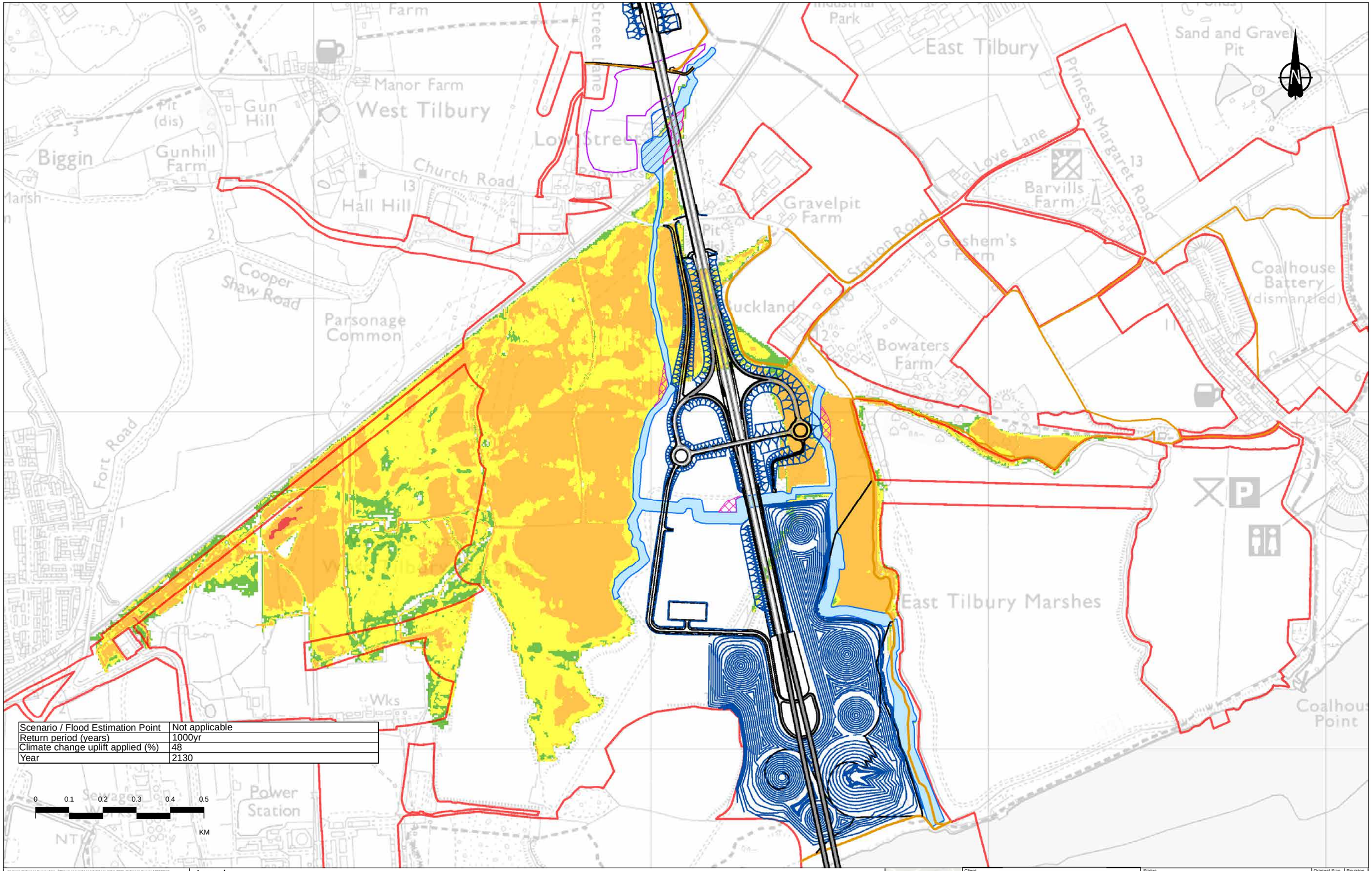
Appendix 14.6 - Flood Risk Assessment - Part 9 Annex H

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)	1000yr
Climate change uplift applied (%)	48
Year	2130

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

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 15 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01064

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

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

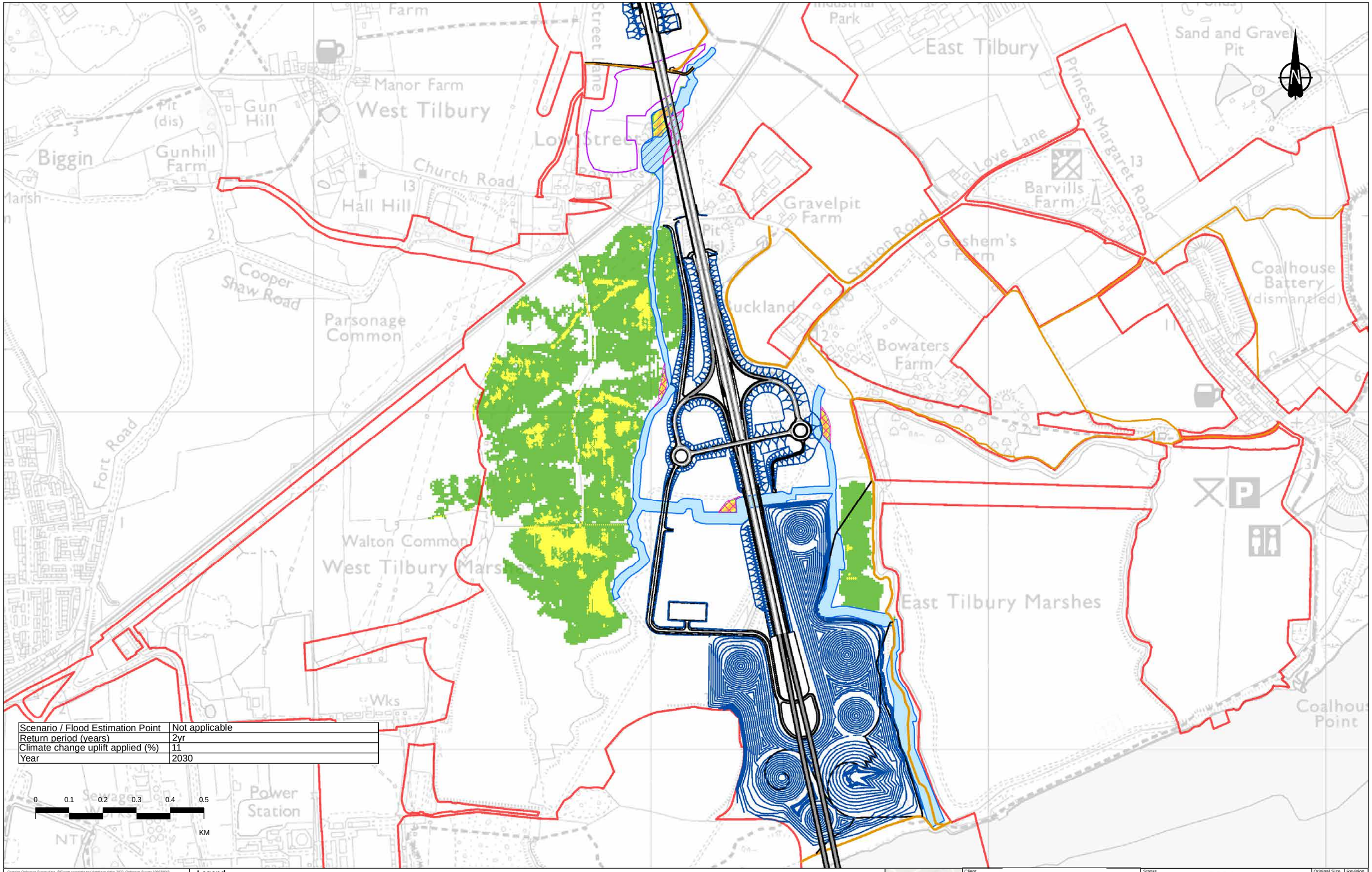
Status	Original Size	Revision
DCO Application	A3	P01

Application Document Number: TR010032/APP/6.3

Scale: 1:10,000

Drawing title: FRA - Tilbury Modelling Results Maximum flood hazard category Post-development (without mitigation) Sheet 1 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01065



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

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

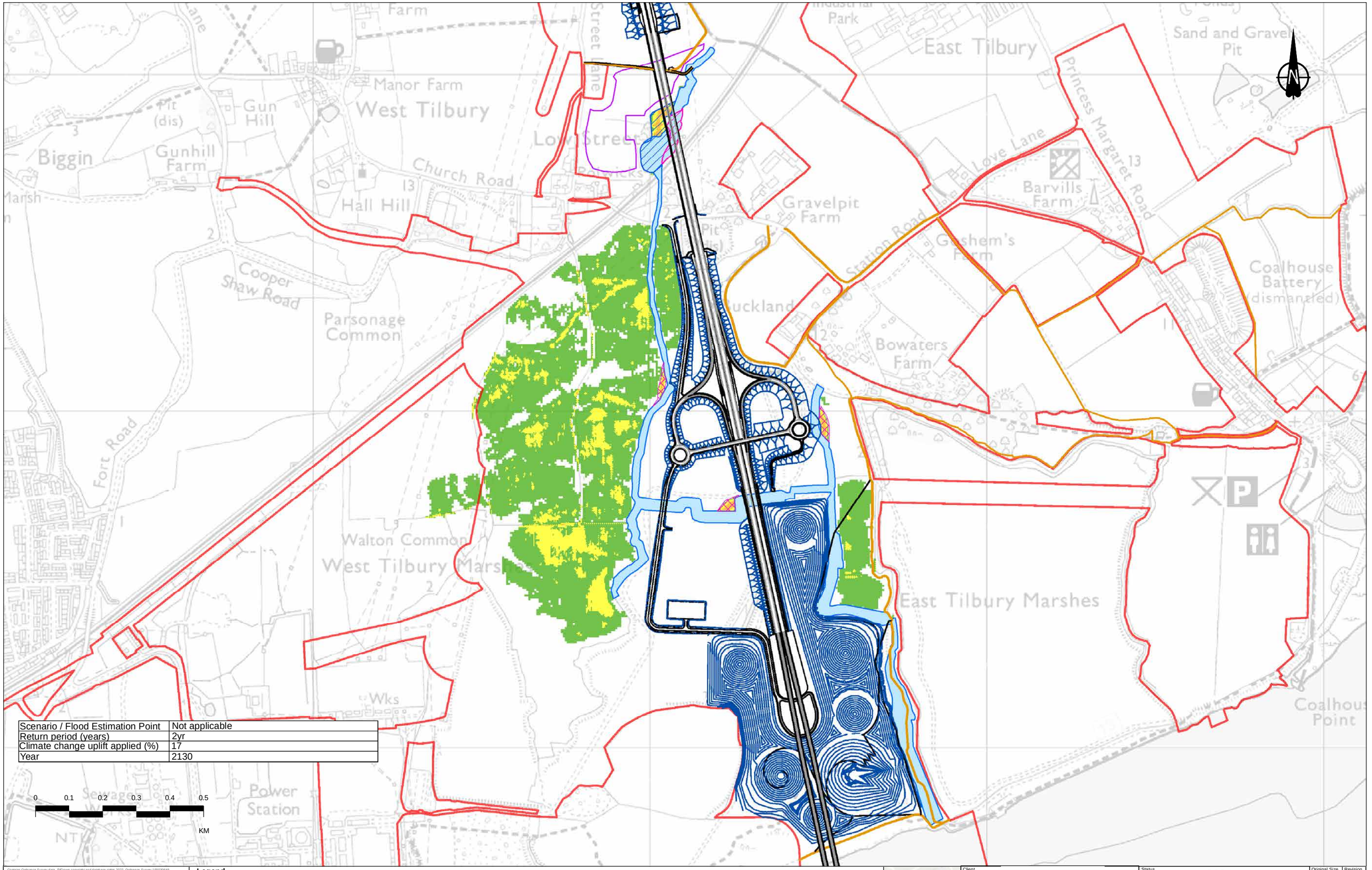
Client: national highways

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 Post-development (without mitigation) Sheet 2 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01066



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

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

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
Post-development (without mitigation)
Sheet 3 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01067

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

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	Original Size	Revision
DCO Application	A3	P01

Application Document Number: TR010032/APP/6.3

Scale: 1:10,000

Drawing title: FRA - Tilbury Modelling Results
Maximum flood hazard category
Post-development (without mitigation)
Sheet 4 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01068

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

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S0	02/08/2022	DCO Application	KK	RB	BF

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
Post-development (without mitigation)
Sheet 5 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01069

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

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S0	02/08/2022	DCO Application	KK	RB	BF

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 Post-development (without mitigation) Sheet 6 of 15
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01070

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

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S0	02/08/2022	DCO Application	KK	RB	BF

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 Post-development (without mitigation) Sheet 7 of 15
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01071

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

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

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 Post-development (without mitigation) Sheet 8 of 15
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01072

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

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

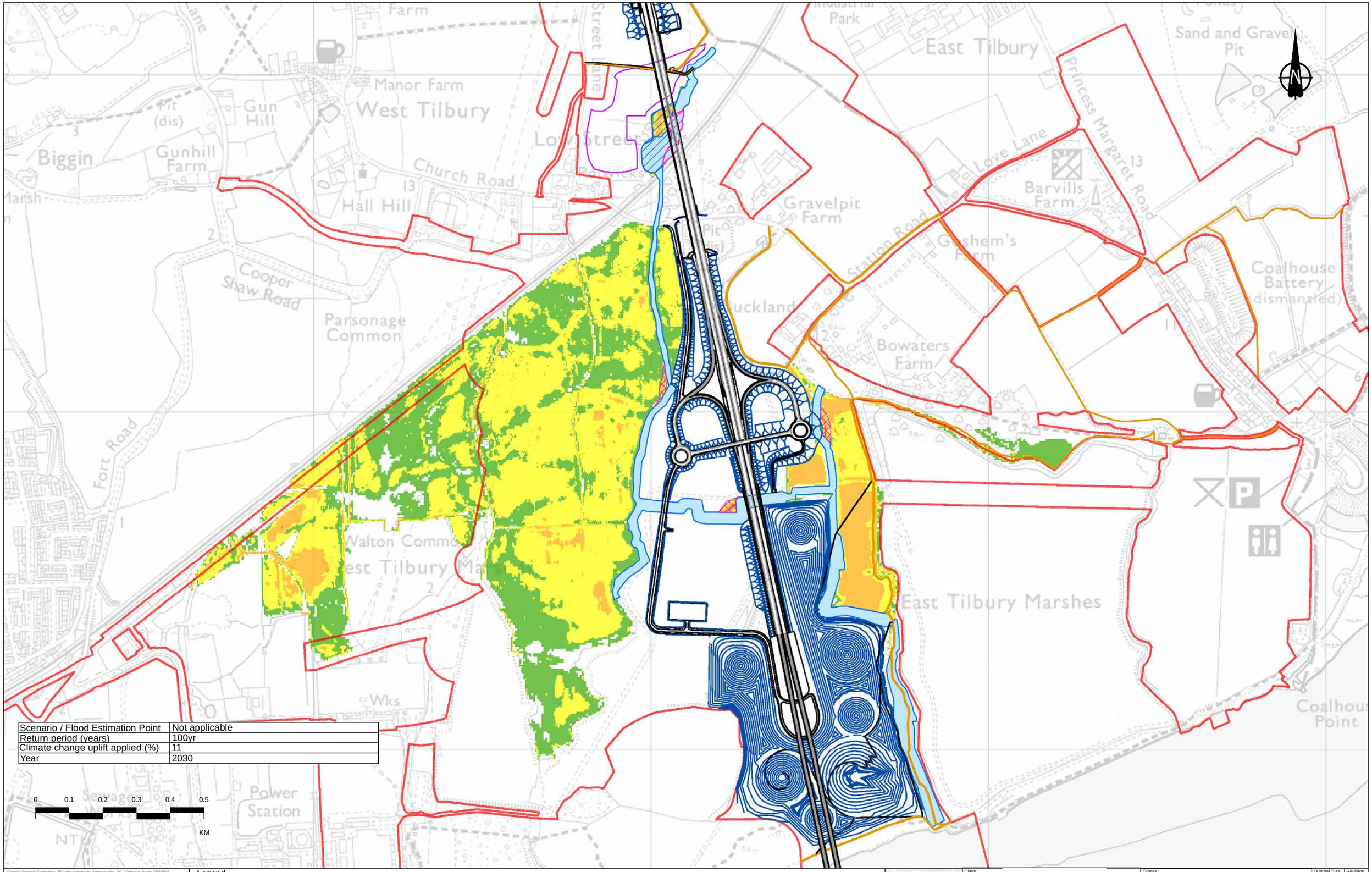
- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

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 Post-development (without mitigation) Sheet 9 of 15
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01073



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	Chck'd	Apprv'd
P01	S0	02/08/2022	DCO Application	KK	RB	BF

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- 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
Post-development (without mitigation)
Sheet 10 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01074

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

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S0	02/08/2022	DCO Application	KK	RB	BF

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 Post-development (without mitigation) Sheet 11 of 15
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01075

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

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

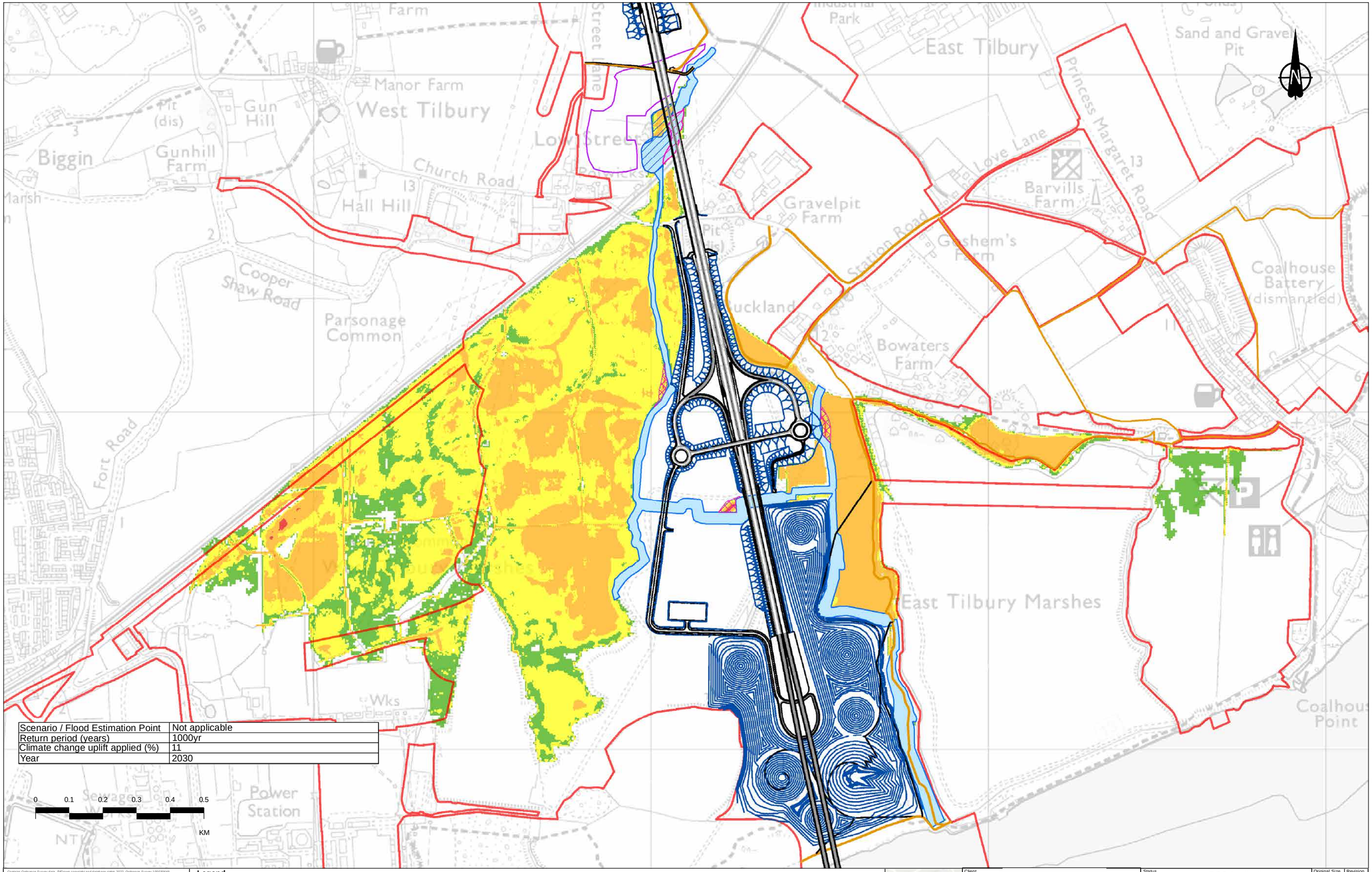
Client: national highways

Project: LOWER THAMES CROSSING

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

Drawing title: FRA - Tilbury Modelling Results
Maximum flood hazard category
Post-development (without mitigation)
Sheet 12 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01076



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	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Client: national highways

Project: LOWER THAMES CROSSING

Status	Original Size	Revision
DCO Application	A3	P01

Application Document Number: TR010032/APP/6.3

Scale: 1:10,000

Drawing title: FRA - Tilbury Modelling Results
Maximum flood hazard category
Post-development (without mitigation)
Sheet 13 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01077

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

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

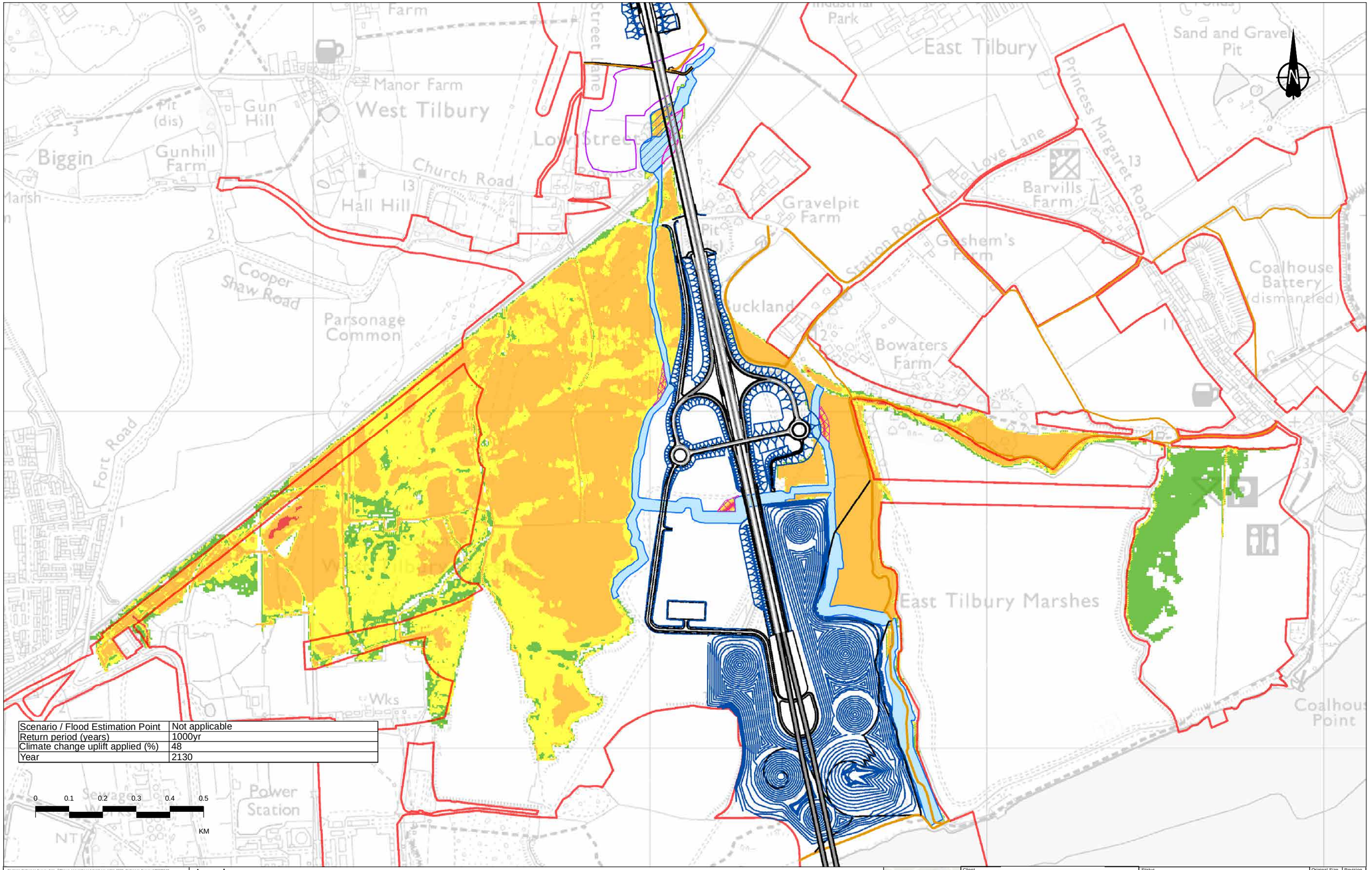
Status	Original Size	Revision
DCO Application	A3	P01

Application Document Number: TR010032/APP/6.3

Scale: 1:10,000

Drawing title: FRA - Tilbury Modelling Results
Maximum flood hazard category
Post-development (without mitigation)
Sheet 14 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01078



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

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

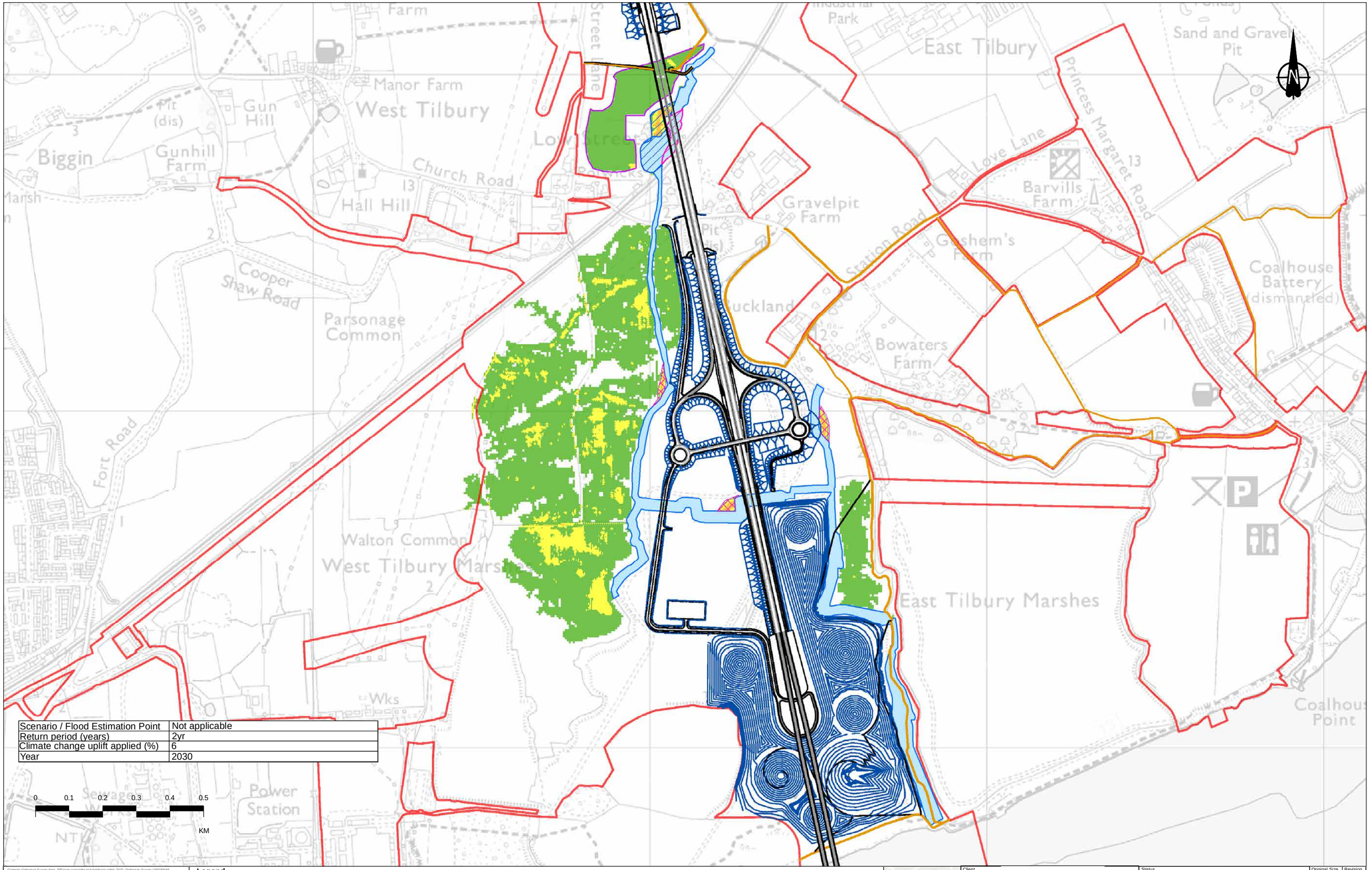
Status	Original Size	Revision
DCO Application	A3	P01

Application Document Number: TR010032/APP/6.3

Scale: 1:10,000

Drawing title: FRA - Tilbury Modelling Results Maximum flood hazard category Post-development (without mitigation) Sheet 15 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01079



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

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

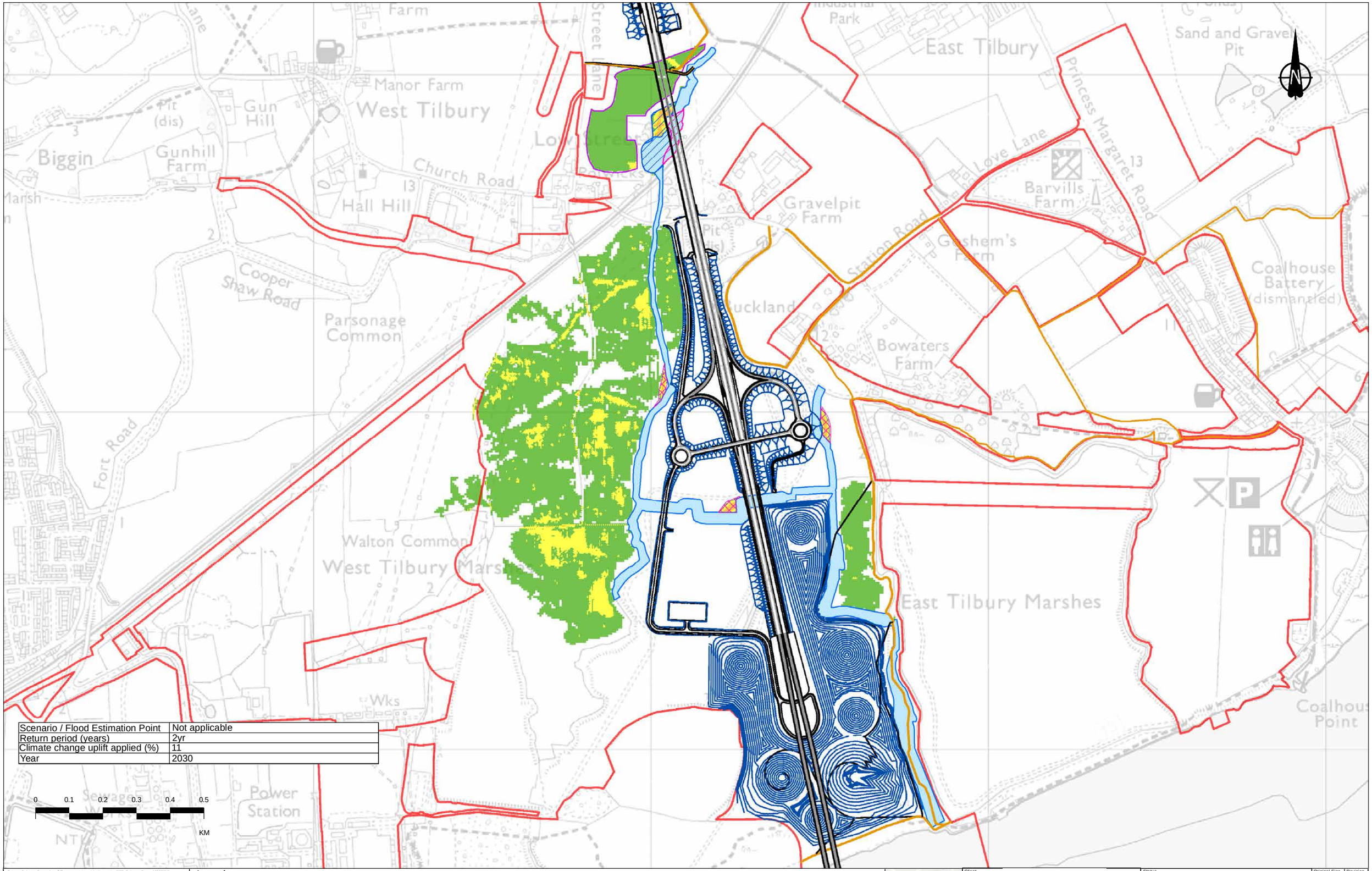
Client: national highways

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
Post-development (with mitigation)
Sheet 1 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01080



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

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

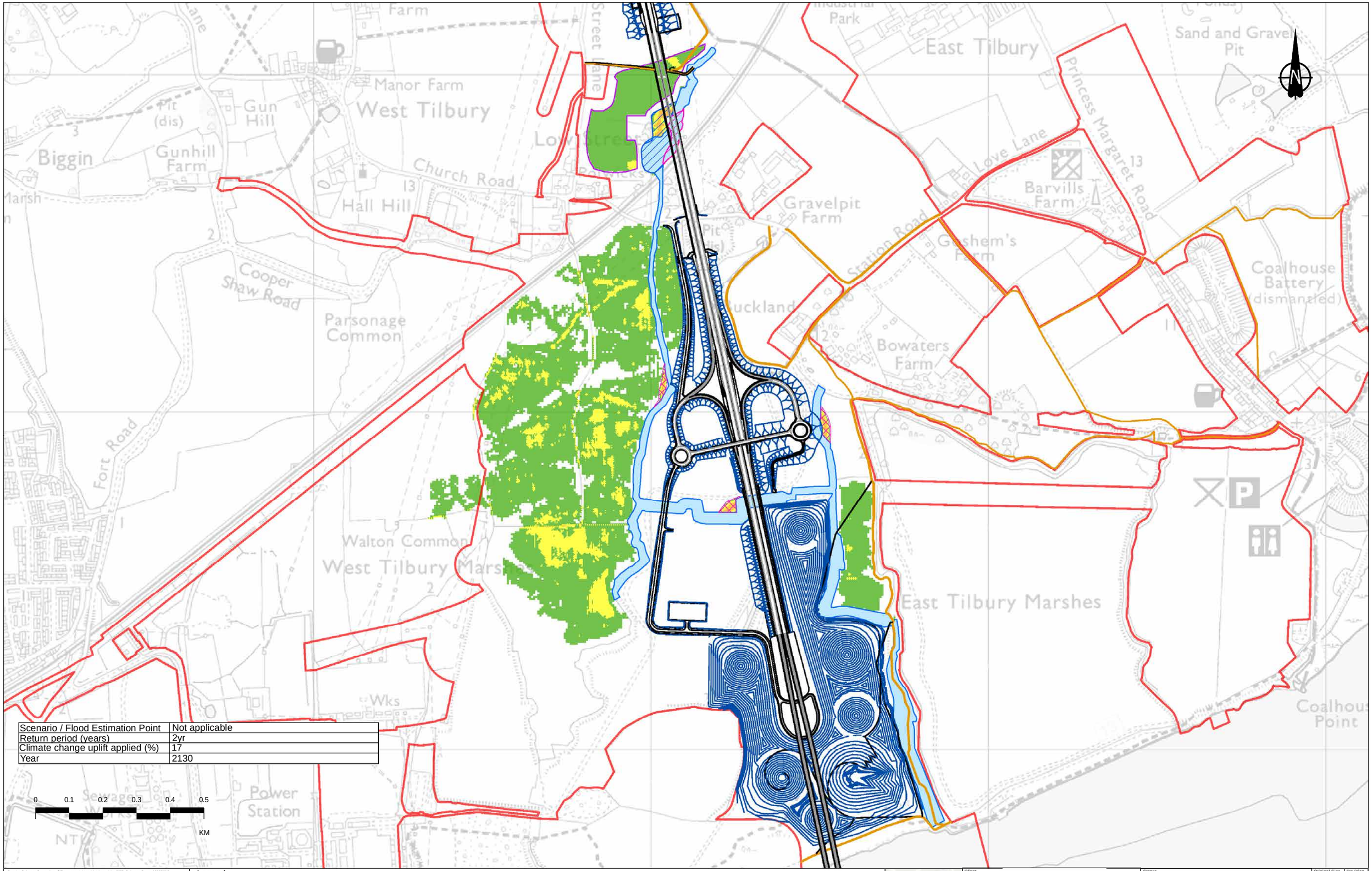
Client: national highways

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
Post-development (with mitigation)
Sheet 2 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01081



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

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

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
Post-development (with mitigation)
Sheet 3 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01082

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

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

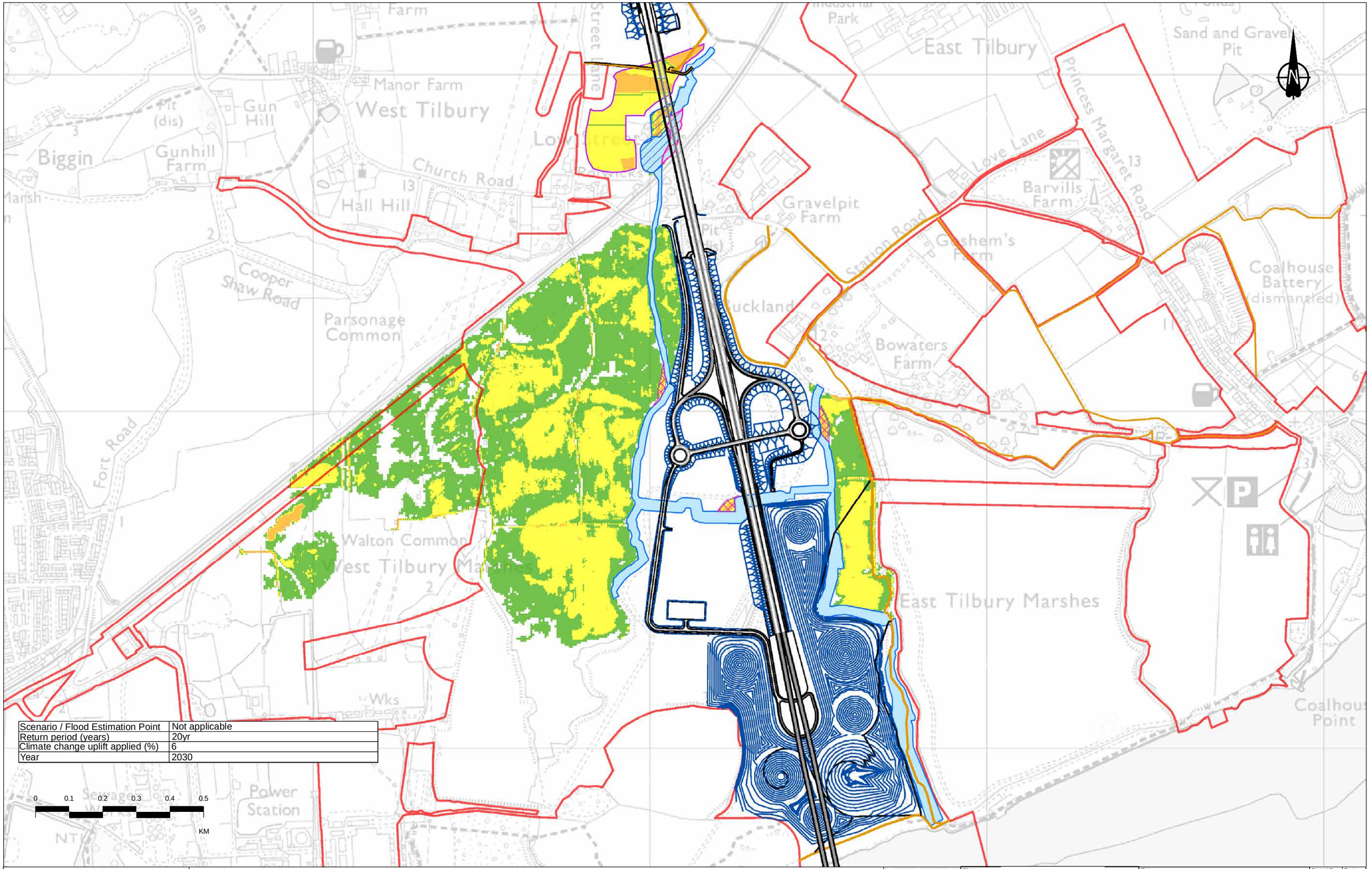
Status	Original Size	Revision
DCO Application	A3	P01

Application Document Number: TR010032/APP/6.3

Scale: 1:10,000

Drawing title: FRA - Tilbury Modelling Results Maximum flood hazard category Post-development (with mitigation) Sheet 4 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01083



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	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- 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
Post-development (with mitigation)
Sheet 5 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01084

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

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

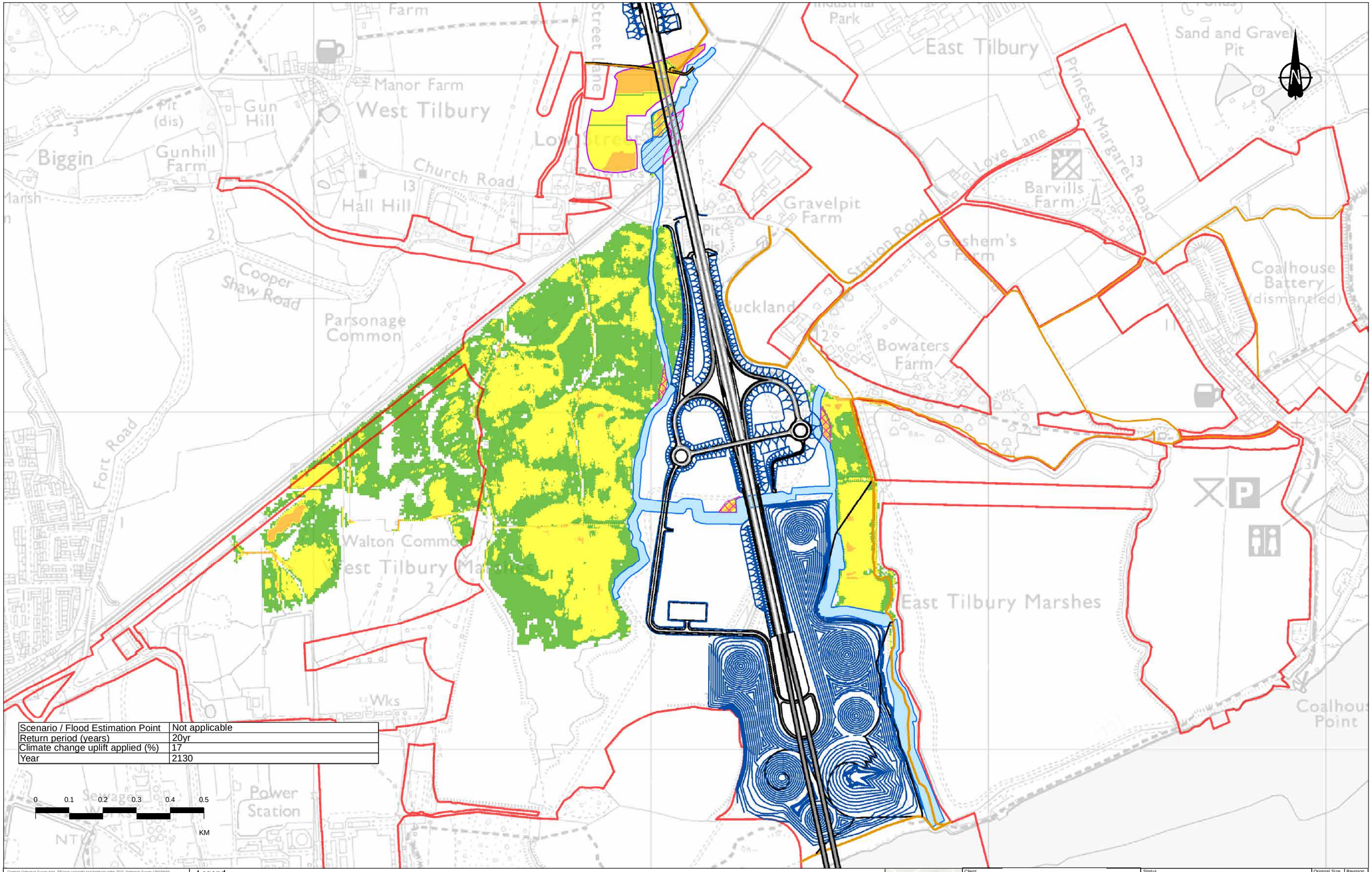
Status	Original Size	Revision
DCO Application	A3	P01

Application Document Number: TR010032/APP/6.3

Scale: 1:10,000

Drawing title: FRA - Tilbury Modelling Results Maximum flood hazard category Post-development (with mitigation) Sheet 6 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01085



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	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- 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
Post-development (with mitigation)
Sheet 7 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01086

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

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

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 Post-development (with mitigation) Sheet 8 of 15
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01087

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

0 0.1 0.2 0.3 0.4 0.5
KM

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S0	02/08/2022	DCO Application	KK	RB	BF

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 Post-development (with mitigation) Sheet 9 of 15
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01088

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

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

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
Post-development (with mitigation)
Sheet 10 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01089

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

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

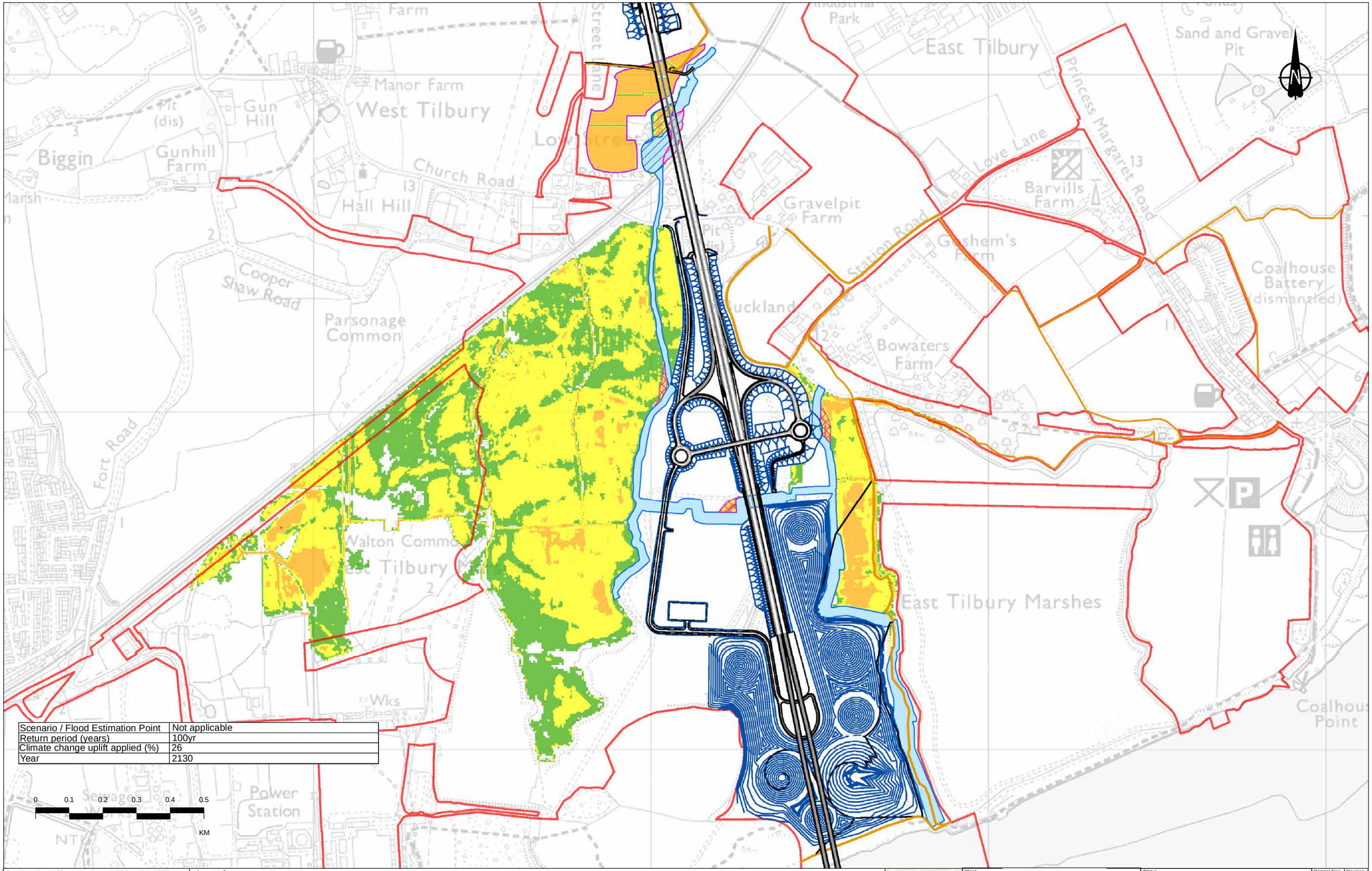
- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

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 Post-development (with mitigation) Sheet 11 of 15
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01090



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

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

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
Post-development (with mitigation)
Sheet 12 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01091

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

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

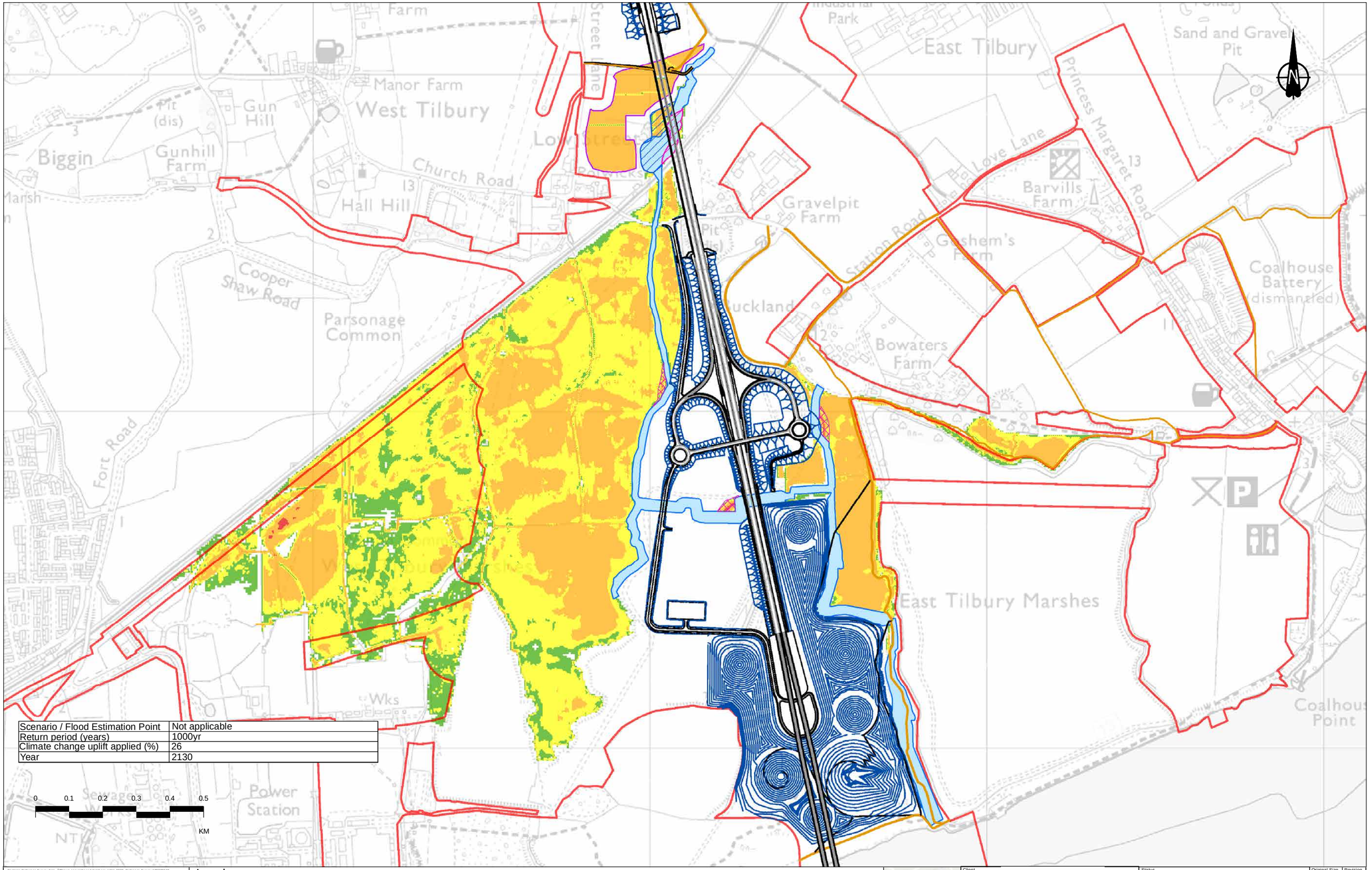
Status	Original Size	Revision
DCO Application	A3	P01

Application Document Number: TR010032/APP/6.3

Scale: 1:10,000

Drawing title: FRA - Tilbury Modelling Results Maximum flood hazard category Post-development (with mitigation) Sheet 13 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01092



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

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

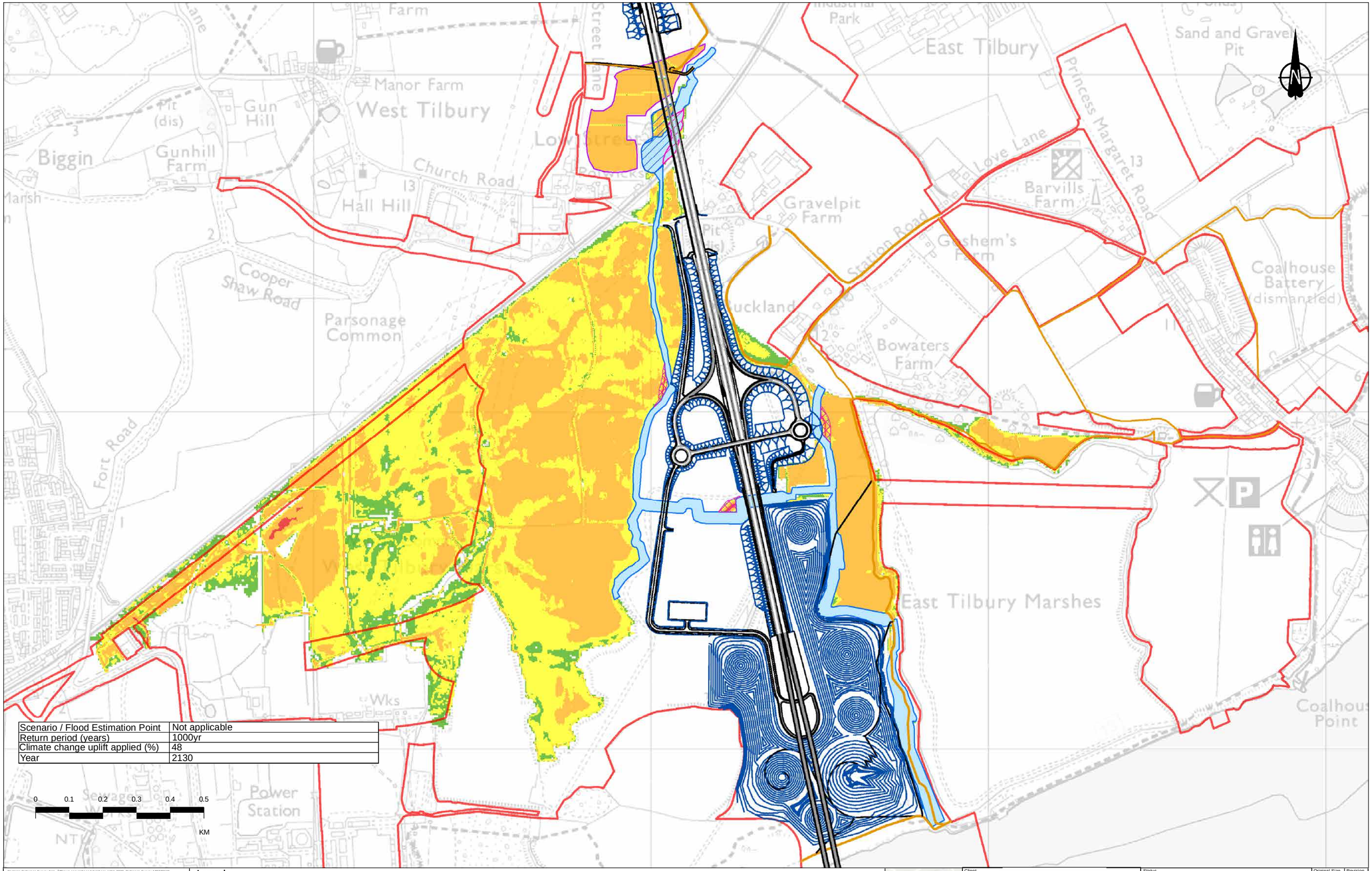
Client: national highways

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
Post-development (with mitigation)
Sheet 14 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01093



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

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

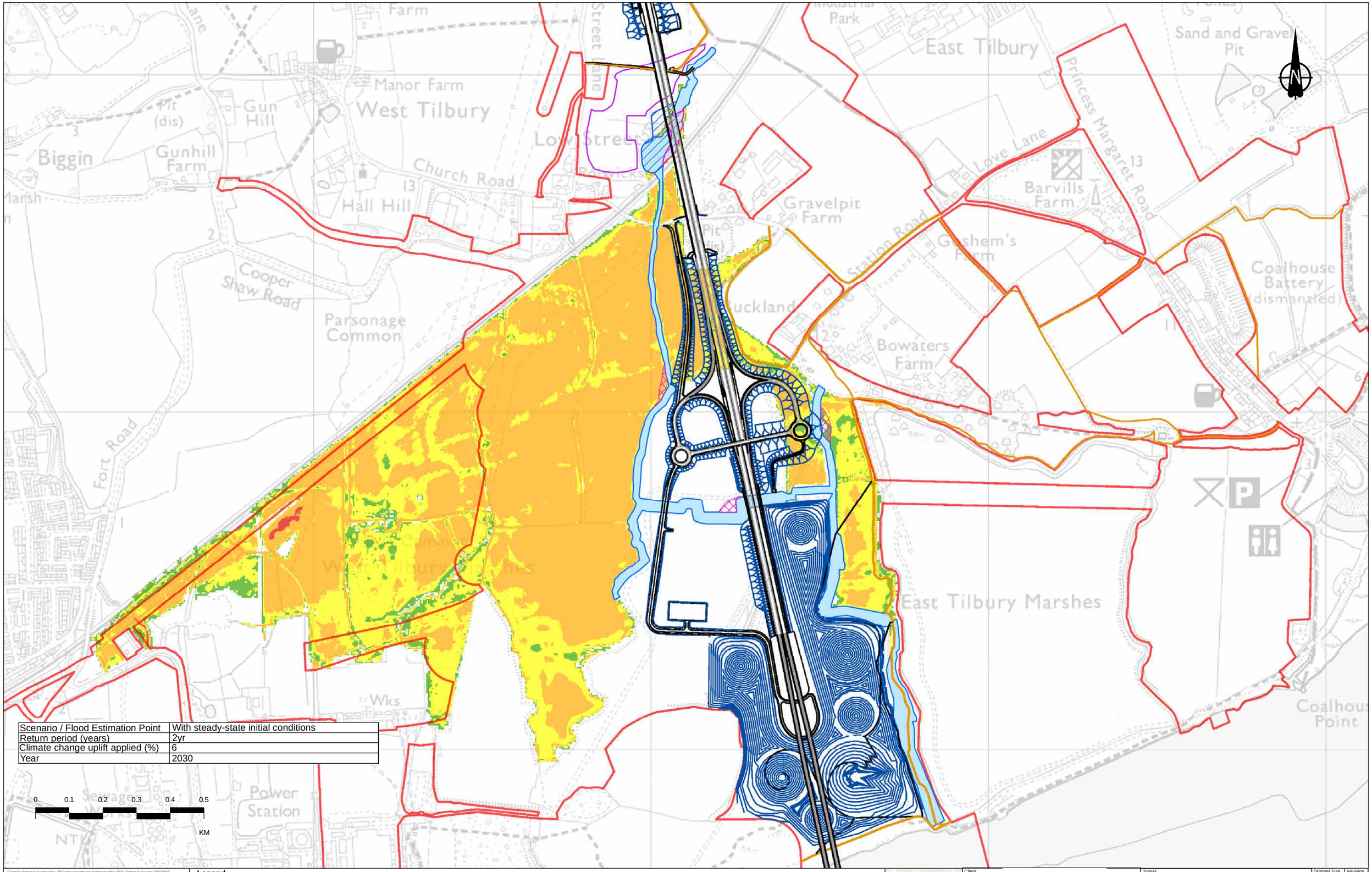
Status	Original Size	Revision
DCO Application	A3	P01

Application Document Number: TR010032/APP/6.3

Scale: 1:10,000

Drawing title: FRA - Tilbury Modelling Results Maximum flood hazard category Post-development (with mitigation) Sheet 15 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01094



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

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S0	02/08/2022	DCO Application	KK	RB	BF

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_GNZZZZZZZZ-DR-LF-01095

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

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S0	02/08/2022	DCO Application	KK	RB	BF

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_GNZZZZZZZZ-DR-LF-01096

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

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S0	02/08/2022	DCO Application	KK	RB	BF

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_GNZZZZZZZZ-DR-LF-01097

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

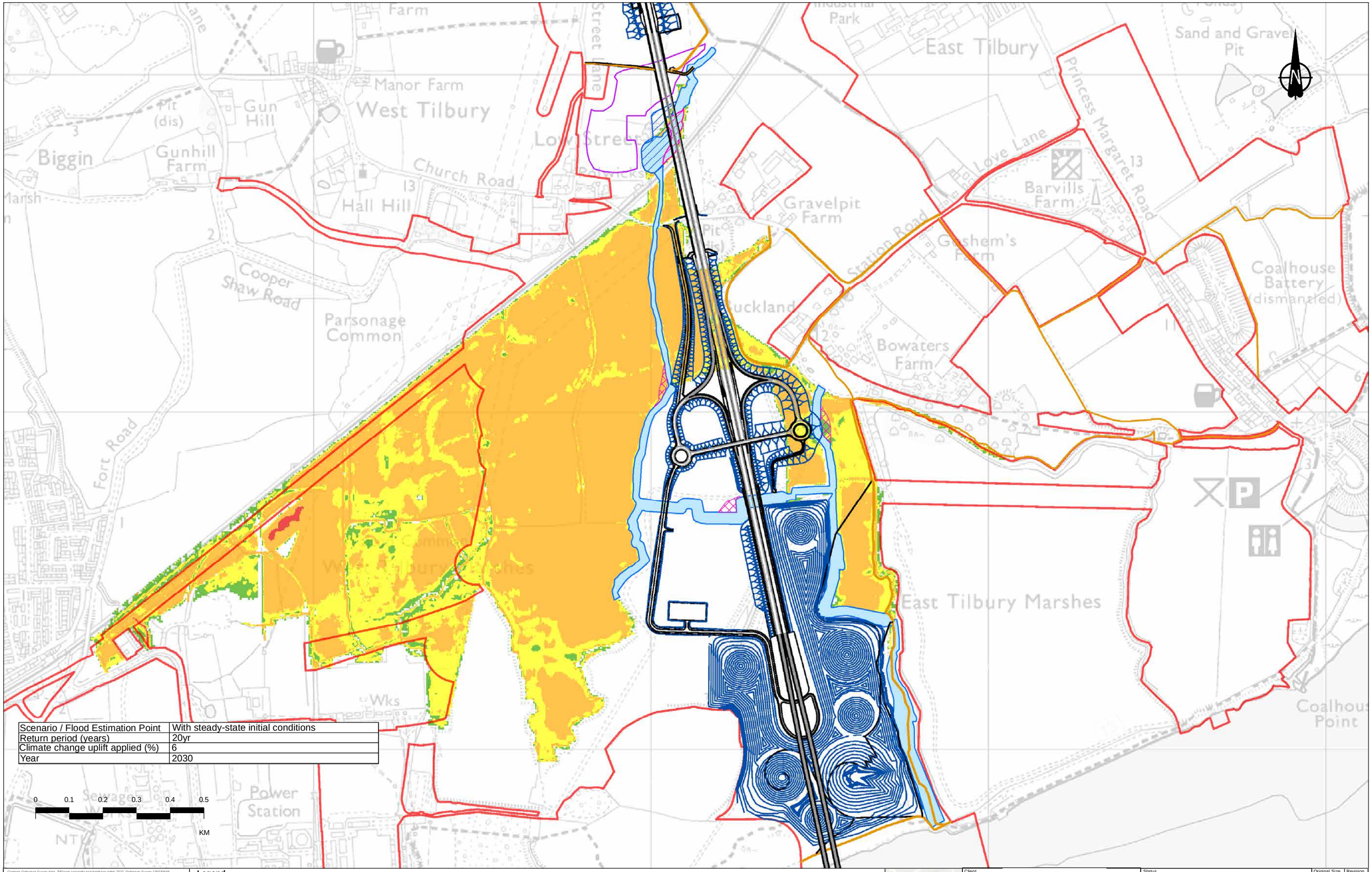
Client: national highways

Project: LOWER THAMES CROSSING

Status	Original Size	Revision
DCO Application	A3	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_GNZZZZZZZZ-DR-LF-01098



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

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S0	02/08/2022	DCO Application	KK	RB	BF

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 5 of 15
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01099

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

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

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 6 of 15
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01100

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

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

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 7 of 15
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01101

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

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

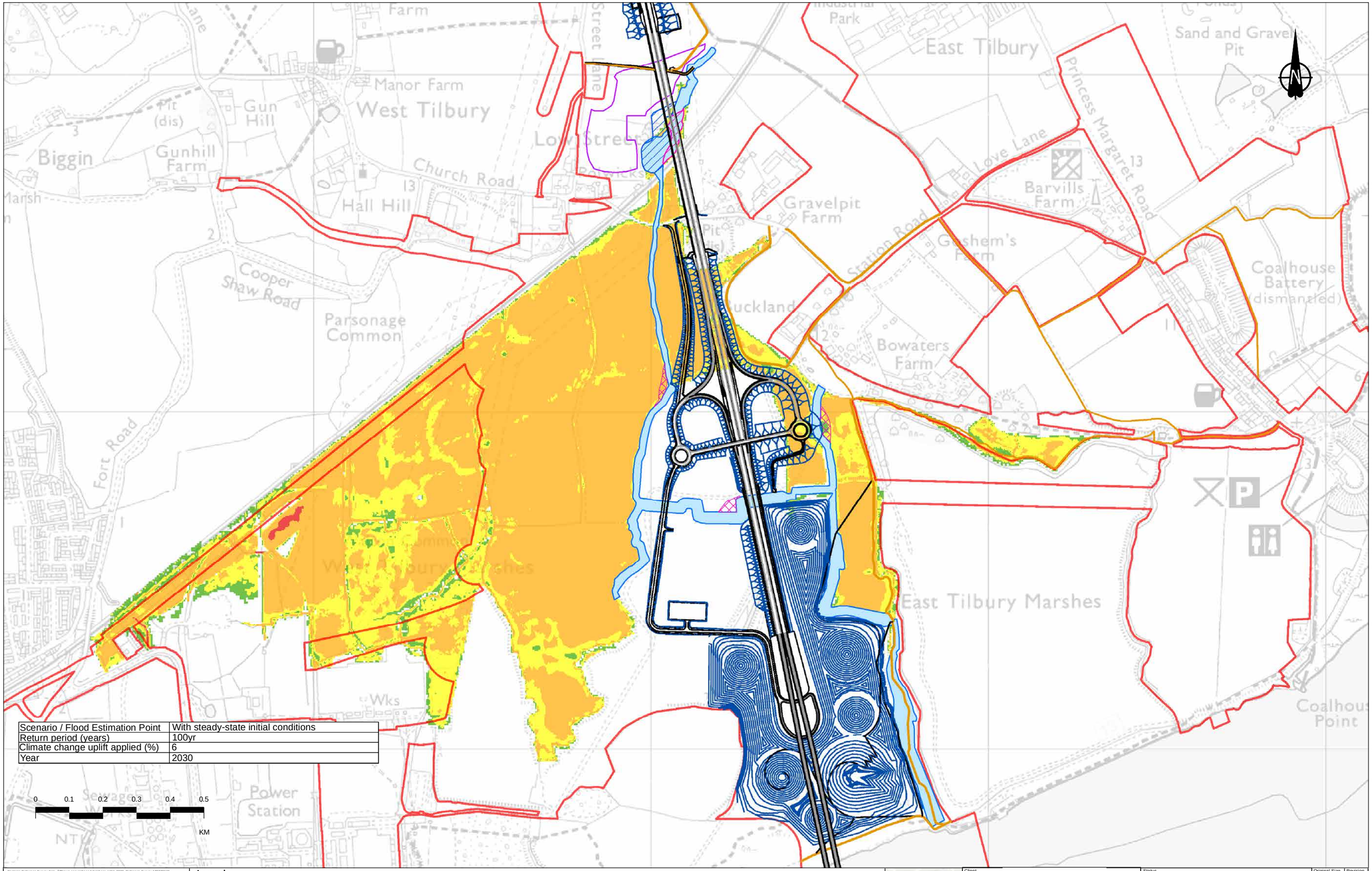
- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

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 8 of 15
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01102



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

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

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_GNZZZZZZZZ-DR-LF-01103

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

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

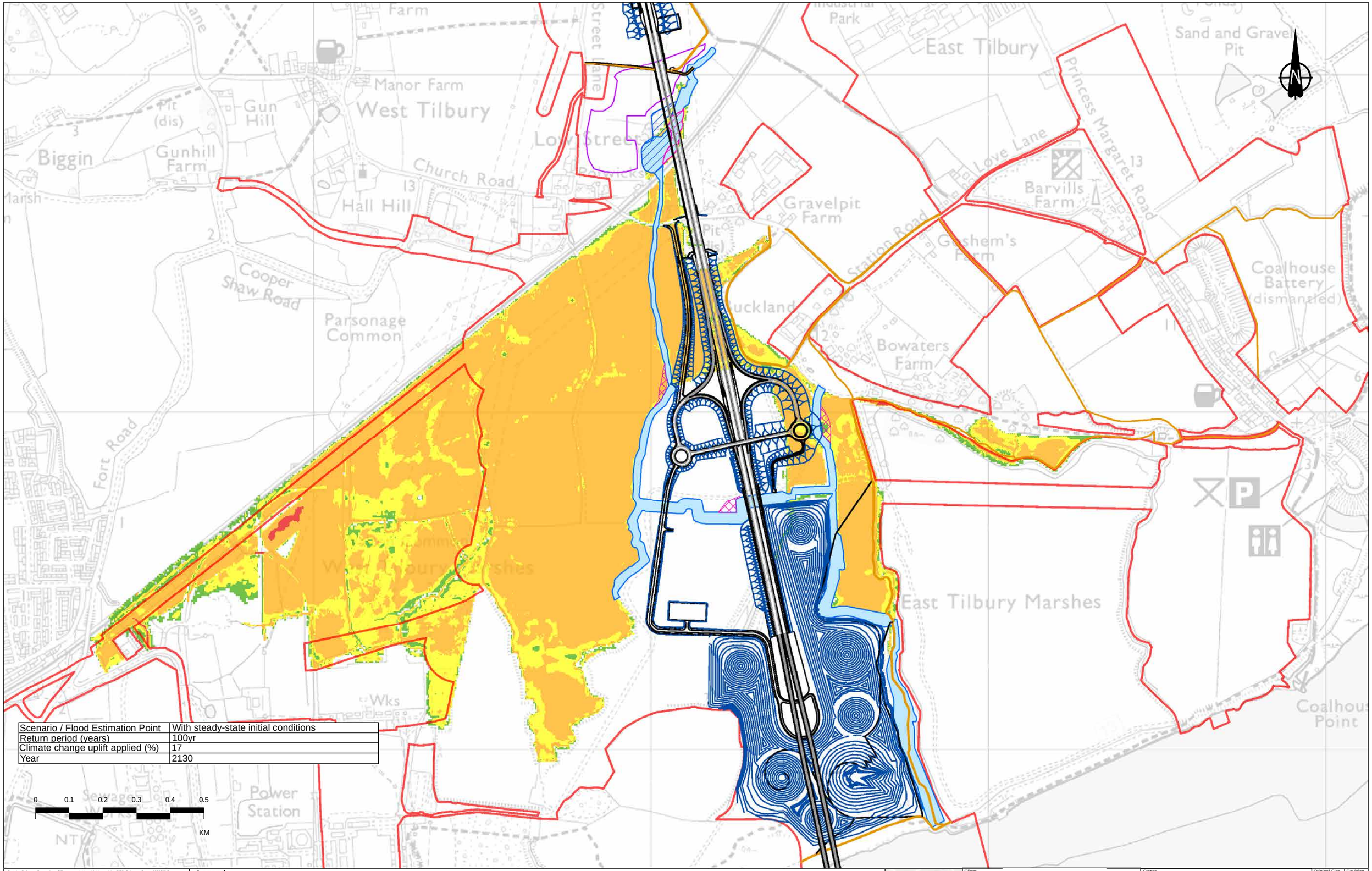
Project: LOWER THAMES CROSSING

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_GNZZZZZZZZ-DR-LF-01104



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	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Client: national highways

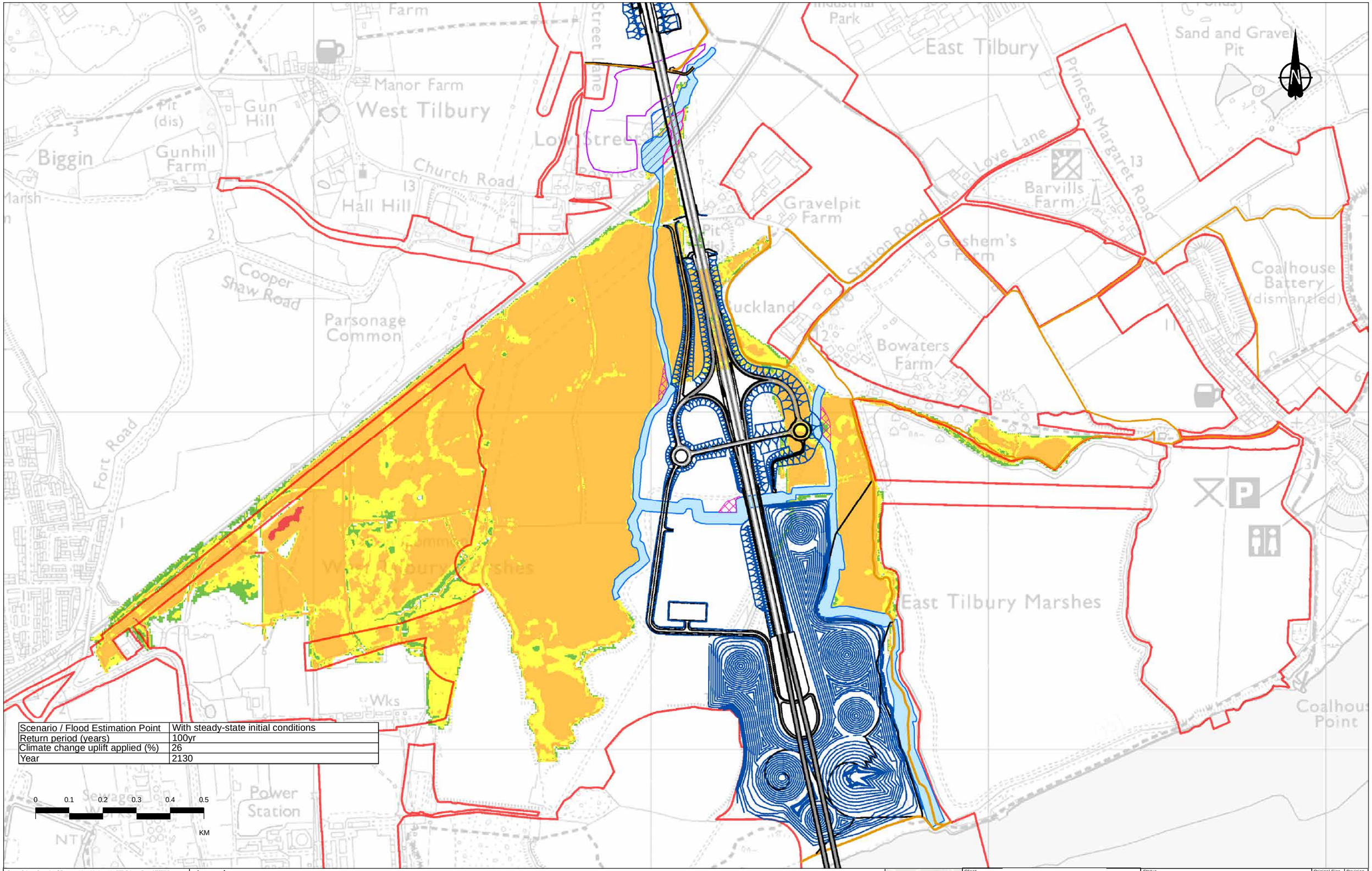
Project: LOWER THAMES CROSSING

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 11 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01105



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	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- 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 12 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01106

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

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	Original Size	Revision
DCO Application	A3	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 13 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01107

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

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	Original Size	Revision
DCO Application	A3	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 14 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01108

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

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	Original Size	Revision
DCO Application	A3	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 15 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01109

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

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S0	02/08/2022	DCO Application	KK	RB	BF

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 Post-development (with mitigation) Sheet 1 of 15
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01110

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

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S0	02/08/2022	DCO Application	KK	RB	BF

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
Post-development (with mitigation)
Sheet 2 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01111

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

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S0	02/08/2022	DCO Application	KK	RB	BF

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
Post-development (with mitigation)
Sheet 3 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01112

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

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S0	02/08/2022	DCO Application	KK	RB	BF

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 Post-development (with mitigation) Sheet 4 of 15
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01113

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

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S0	02/08/2022	DCO Application	KK	RB	BF

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 Post-development (with mitigation) Sheet 5 of 15
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01114

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

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

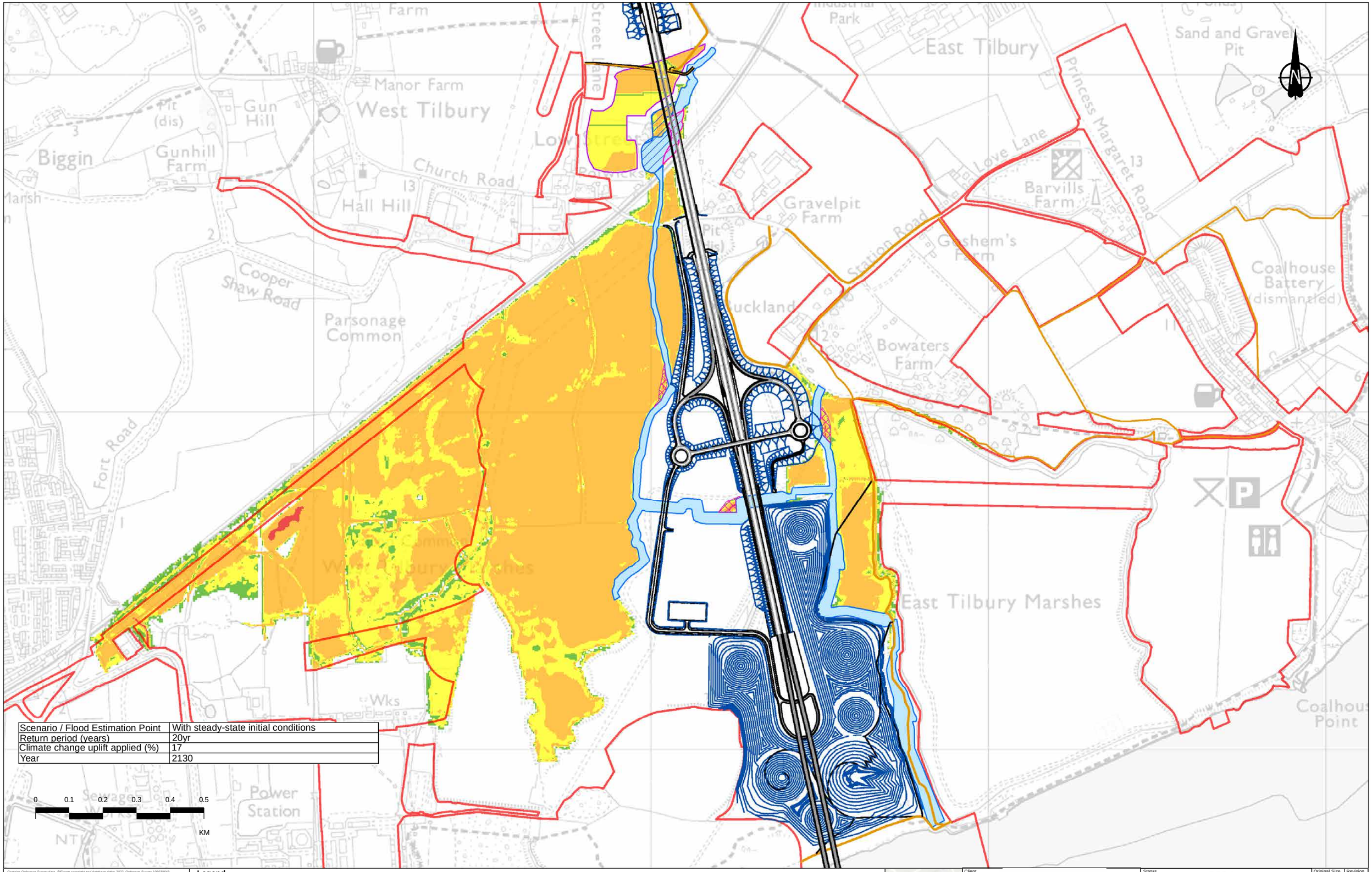
- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S0	02/08/2022	DCO Application	KK	RB	BF

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 Post-development (with mitigation) Sheet 6 of 15
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01115



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	Chck'd	Apprv'd
P01	S0	02/08/2022	DCO Application	KK	RB	BF

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- 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
Post-development (with mitigation)
Sheet 7 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01116

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

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S0	02/08/2022	DCO Application	KK	RB	BF

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 Post-development (with mitigation) Sheet 8 of 15
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01117

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

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S0	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	Original Size	Revision
DCO Application	A3	P01

Application Document Number: TR010032/APP/6.3

Scale: 1:10,000

Drawing title: FRA - Tilbury Modelling Results
Maximum flood hazard category
Post-development (with mitigation)
Sheet 9 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01118

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

0 0.1 0.2 0.3 0.4 0.5
KM

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

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
Post-development (with mitigation)
Sheet 10 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01119

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

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

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 Post-development (with mitigation) Sheet 11 of 15
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01120

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

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	Original Size	Revision
DCO Application	A3	P01

Application Document Number: TR010032/APP/6.3

Scale: 1:10,000

Drawing title: FRA - Tilbury Modelling Results Maximum flood hazard category Post-development (with mitigation) Sheet 12 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01121

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

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

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

Drawing title: FRA - Tilbury Modelling Results Maximum flood hazard category Post-development (with mitigation) Sheet 13 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01122

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

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

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

Drawing title: FRA - Tilbury Modelling Results Maximum flood hazard category Post-development (with mitigation) Sheet 14 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01123

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

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

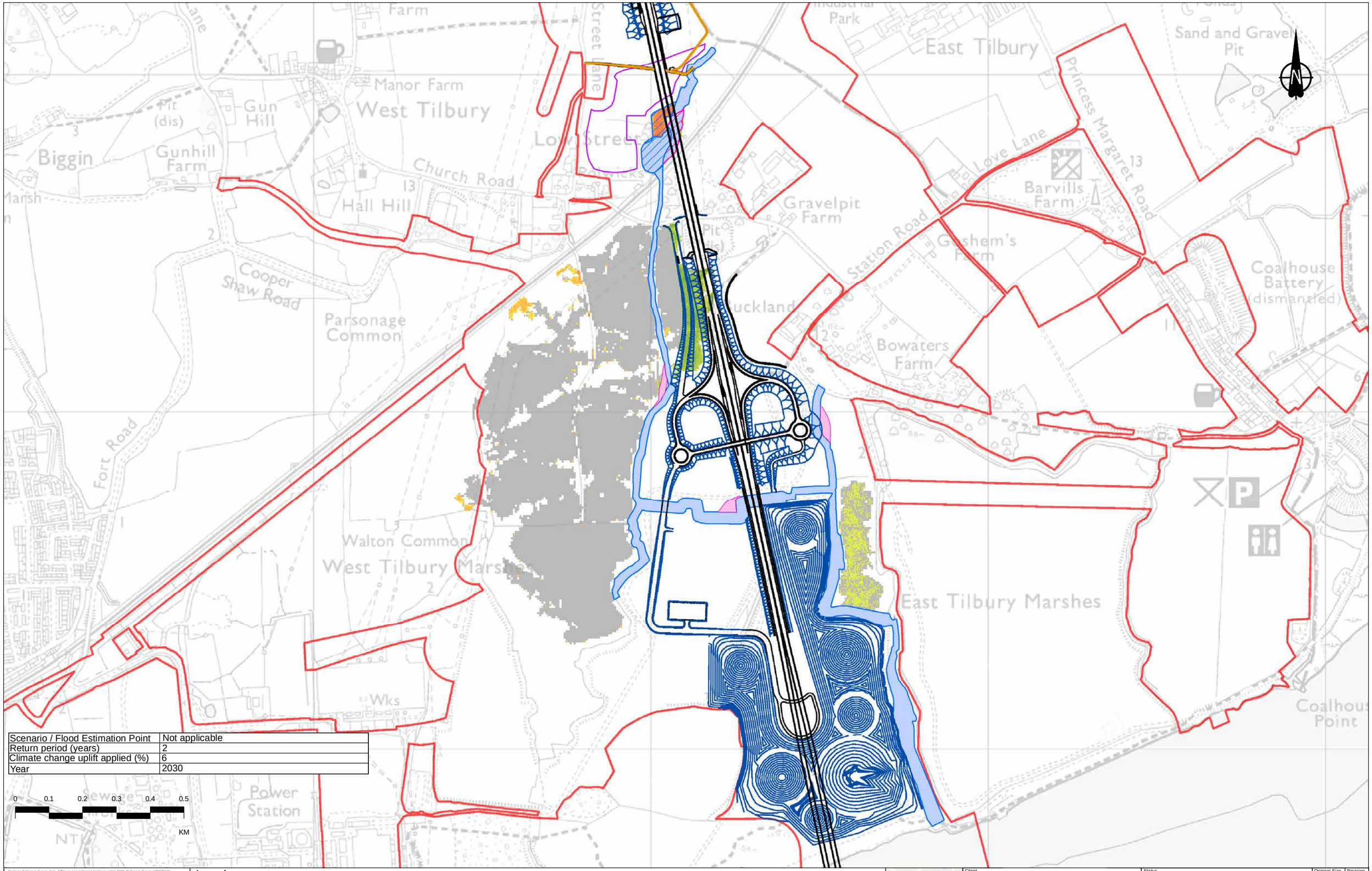
Client: national highways

Project: LOWER THAMES CROSSING

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

Drawing title: FRA - Tilbury Modelling Results Maximum flood hazard category Post-development (with mitigation) Sheet 15 of 15

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01124



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

Legend

- 1D Channel diversions
- Compensation storage area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

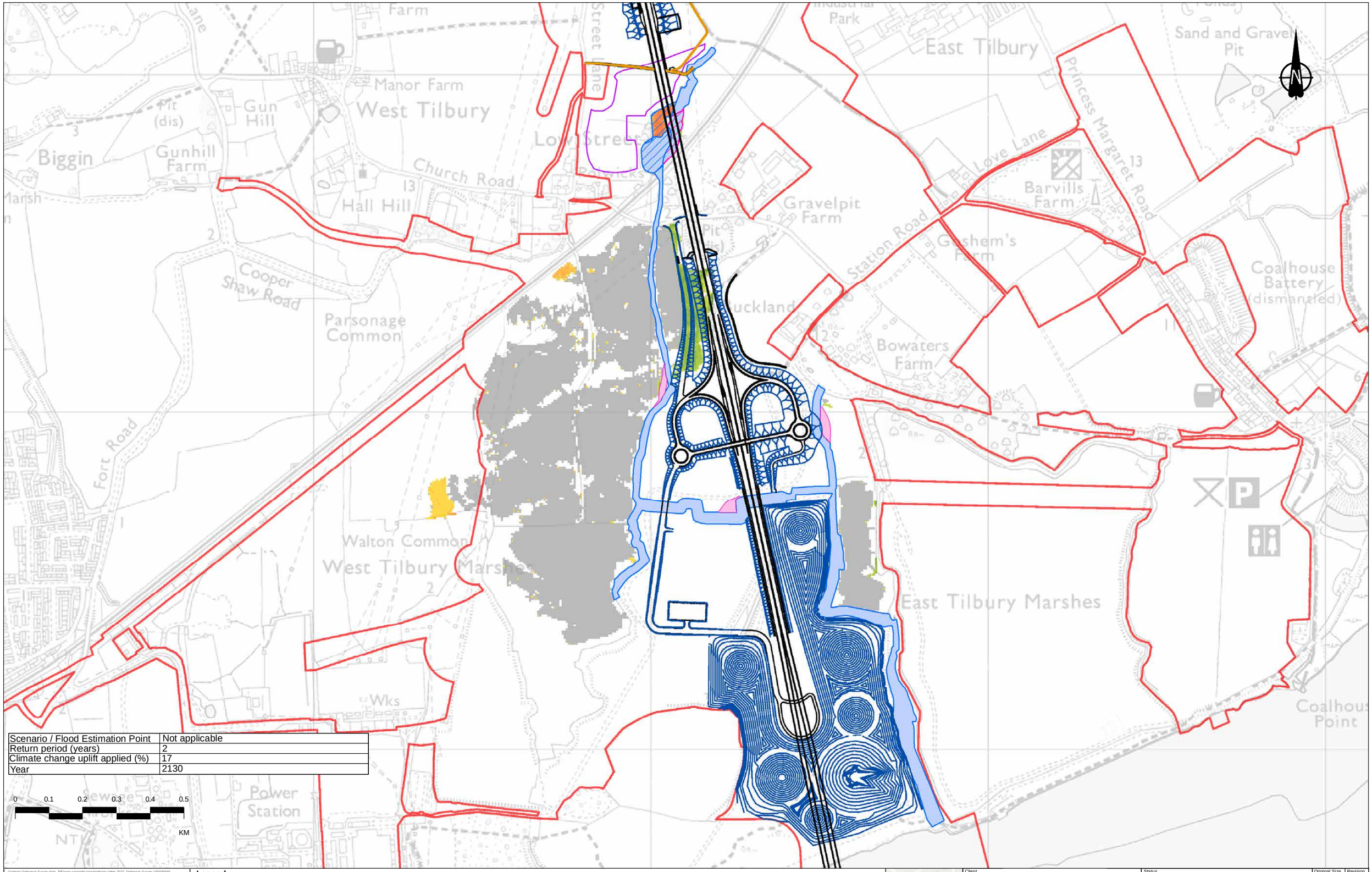
Client: national highways

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
Difference in maximum flood depth
Post-(without mitigation) minus pre-development
Sheet 1 of 7

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01125



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

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel diversions
- Compensation storage area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

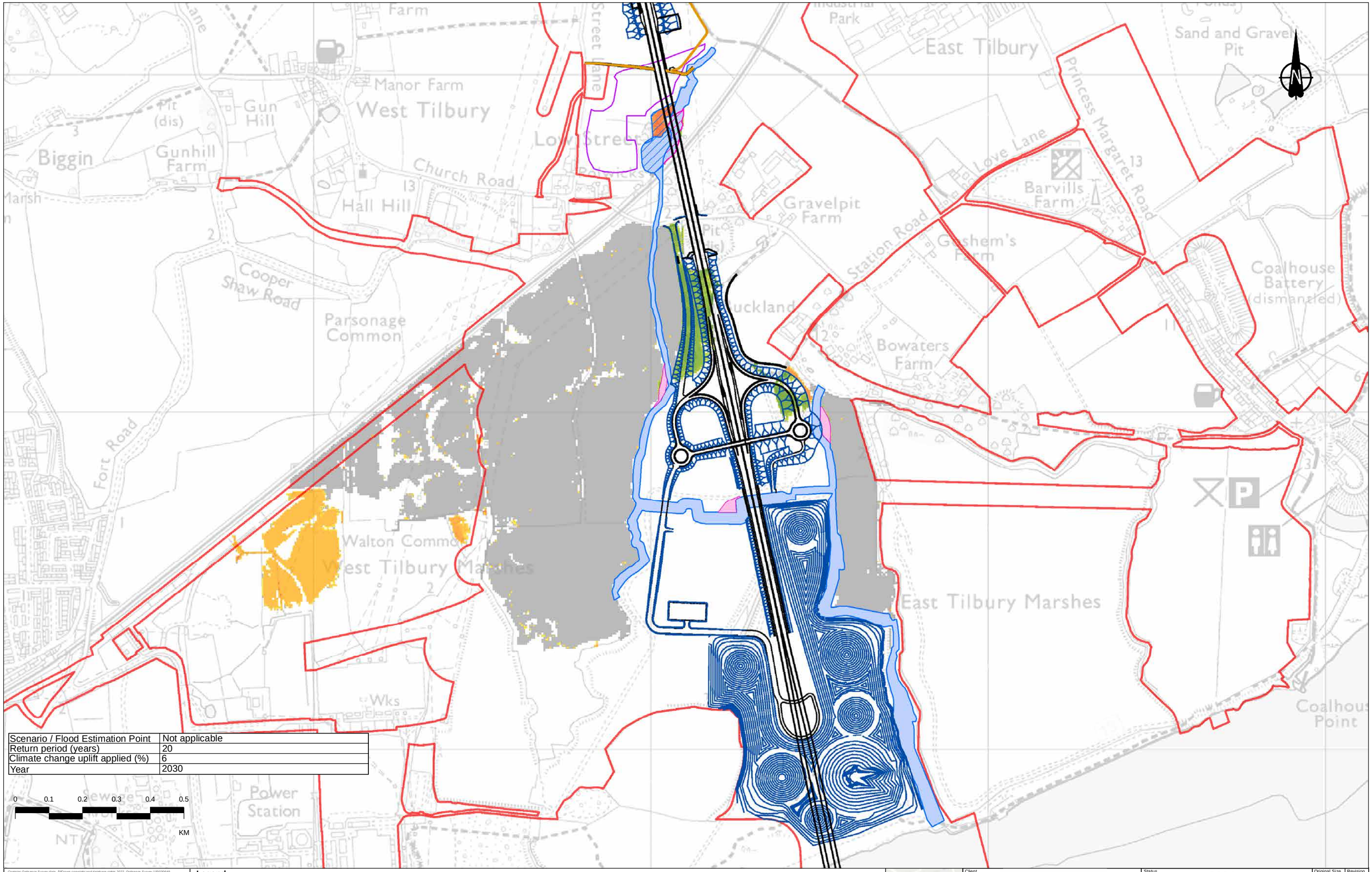
Status	Original Size	Revision
DCO Application	A3	P01

Application Document Number: TR010032/APP/6.3

Scale: 1:10,000

Drawing title: FRA - Tilbury Modelling Results
Difference in maximum flood depth
Post-(without mitigation) minus pre-development
Sheet 2 of 7

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01126



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

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel diversions
- Compensation storage area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	Original Size	Revision
DCO Application	A3	P01

Application Document Number: TR010032/APP/6.3

Scale: 1:10,000

Drawing title: FRA - Tilbury Modelling Results
Difference in maximum flood depth
Post-(without mitigation) minus pre-development
Sheet 3 of 7

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01127

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

0 0.1 0.2 0.3 0.4 0.5

KM

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Legend

- 1D Channel diversions
- Compensation storage area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application

Original Size: A3

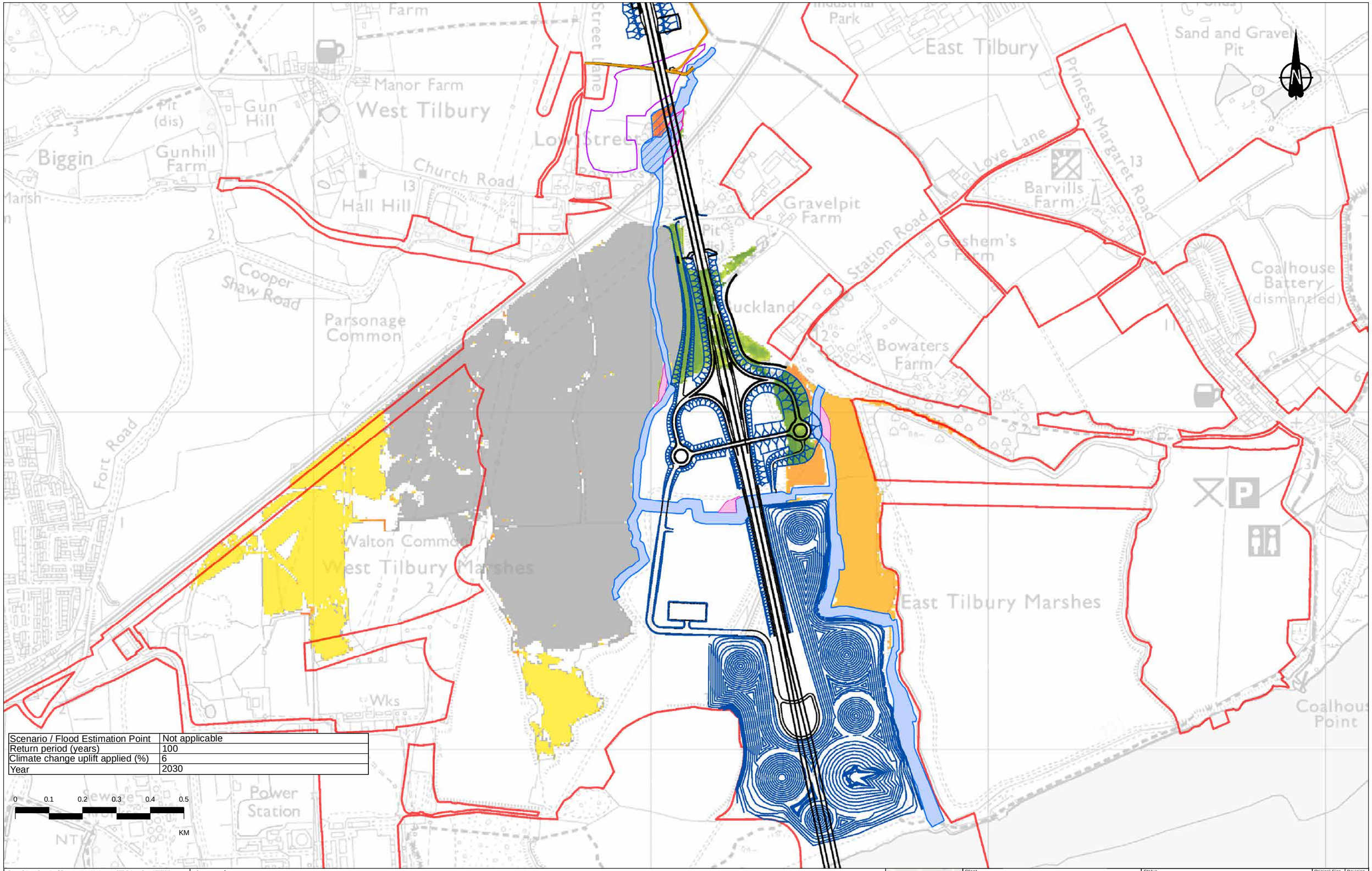
Revision: P01

Application Document Number: TR010032/APP/6.3

Scale: 1:10,000

Drawing title: FRA - Tilbury Modelling Results
Difference in maximum flood depth
Post-(without mitigation) minus pre-development
Sheet 4 of 7

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01128



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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Legend

- 1D Channel diversions
- Compensation storage area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application

Original Size: A3

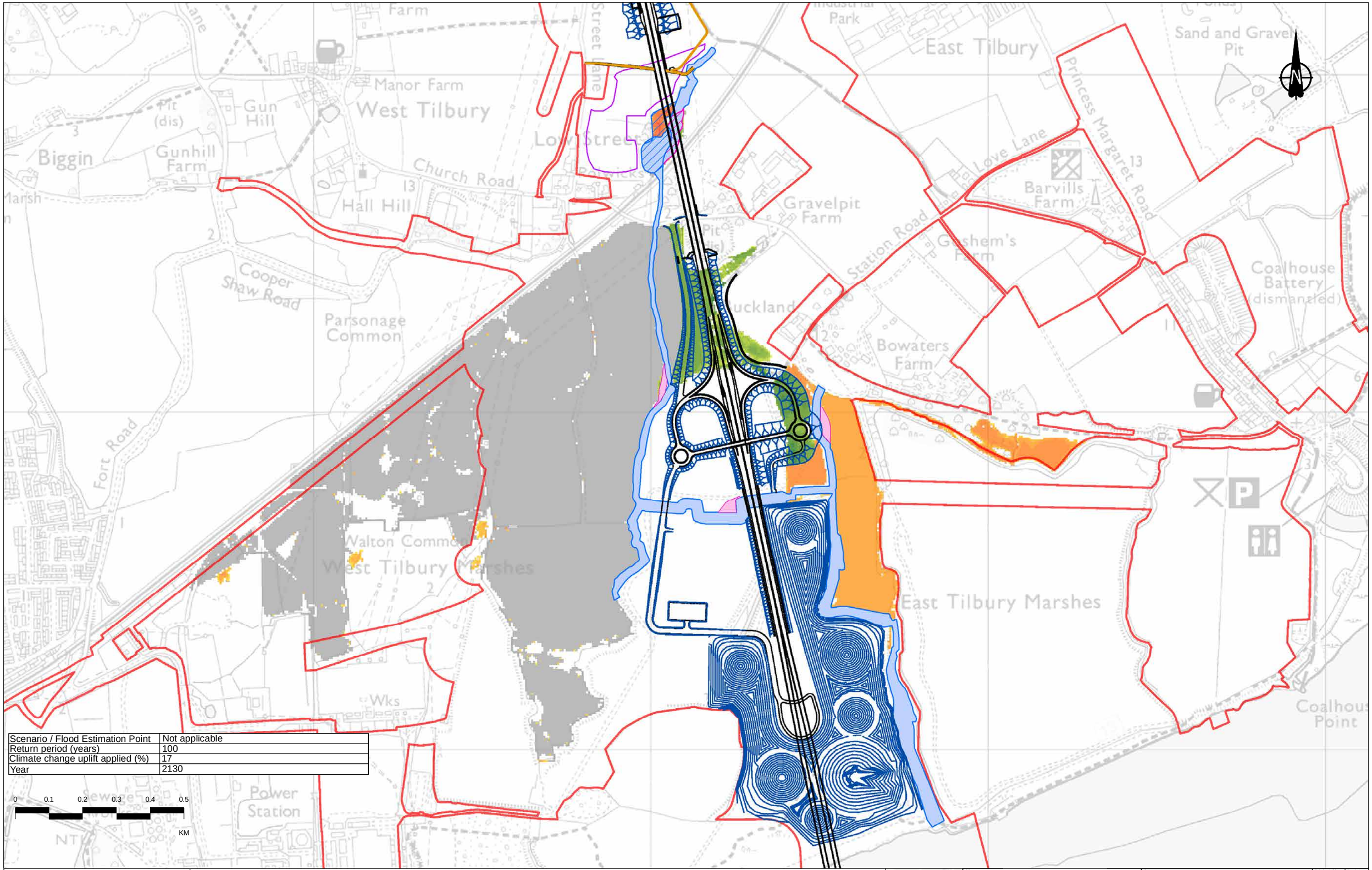
Revision: P01

Application Document Number: TR010032/APP/6.3

Scale: 1:10,000

Drawing title: FRA - Tilbury Modelling Results
Difference in maximum flood depth
Post-(without mitigation) minus pre-development
Sheet 5 of 7

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01129



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

0 0.1 0.2 0.3 0.4 0.5

KM

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Legend

- 1D Channel diversions
- Compensation storage area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application

Original Size: A3

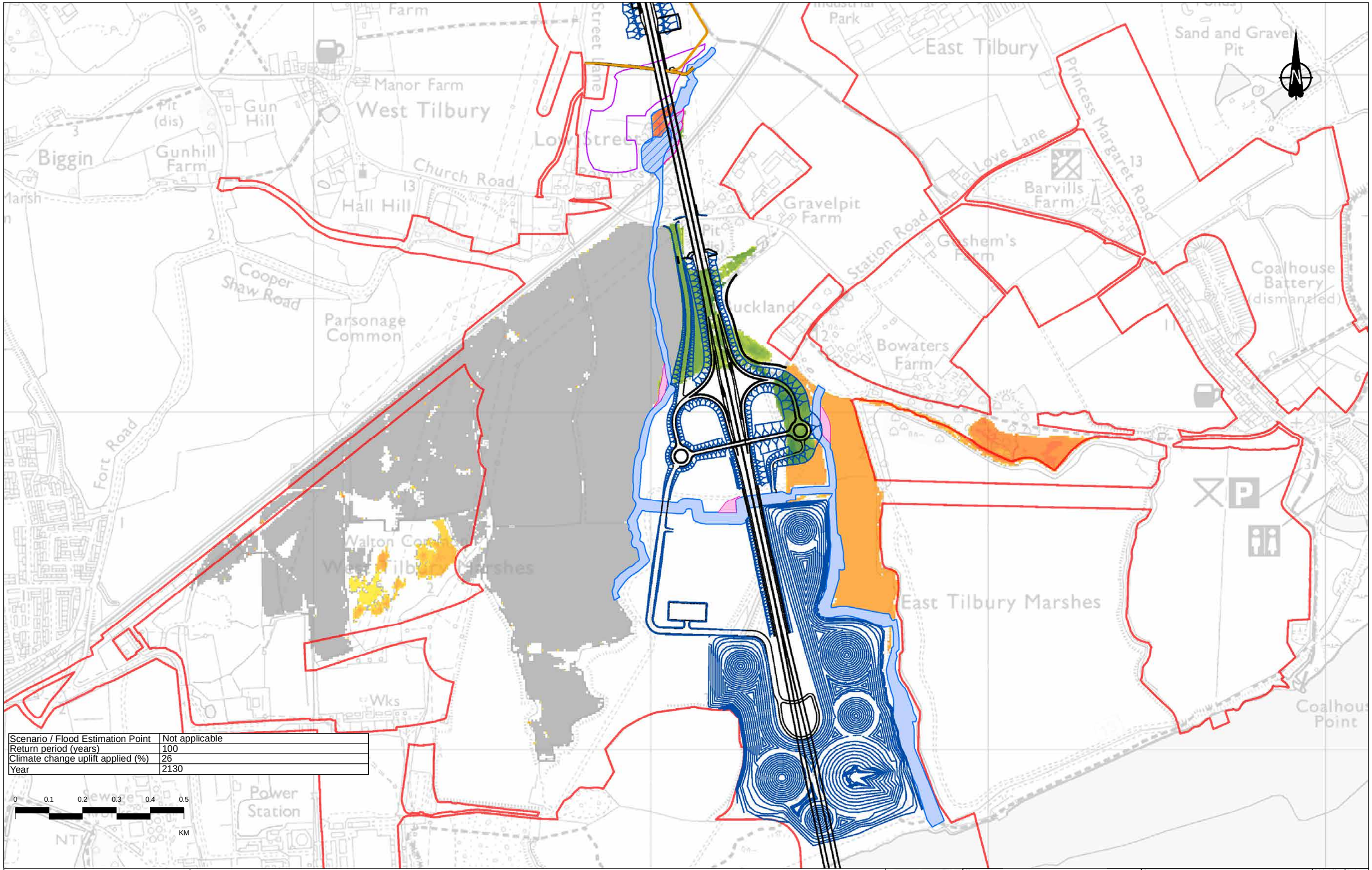
Revision: P01

Application Document Number: TR010032/APP/6.3

Scale: 1:10,000

Drawing title: FRA - Tilbury Modelling Results
Difference in maximum flood depth
Post-(without mitigation) minus pre-development
Sheet 6 of 7

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01130



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

Legend

- 1D Channel diversions
- Compensation storage area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

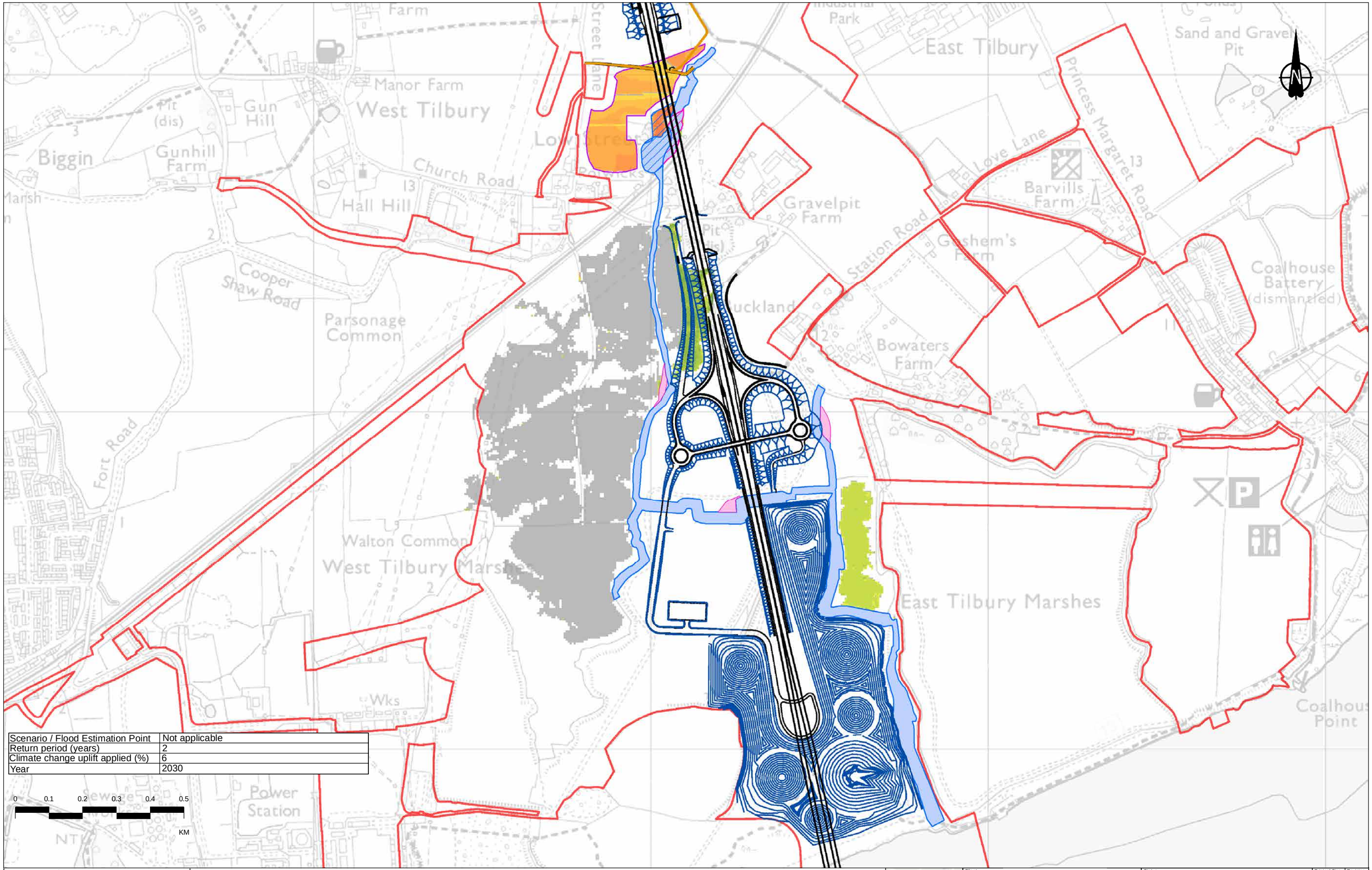
Project: LOWER THAMES CROSSING

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
Difference in maximum flood depth
Post-(without mitigation) minus pre-development
Sheet 7 of 7

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01131



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

0 0.1 0.2 0.3 0.4 0.5

KM

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Appr'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Legend

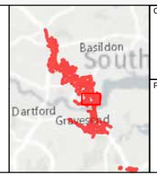
- 1D Channel diversions
- Compensation storage area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0



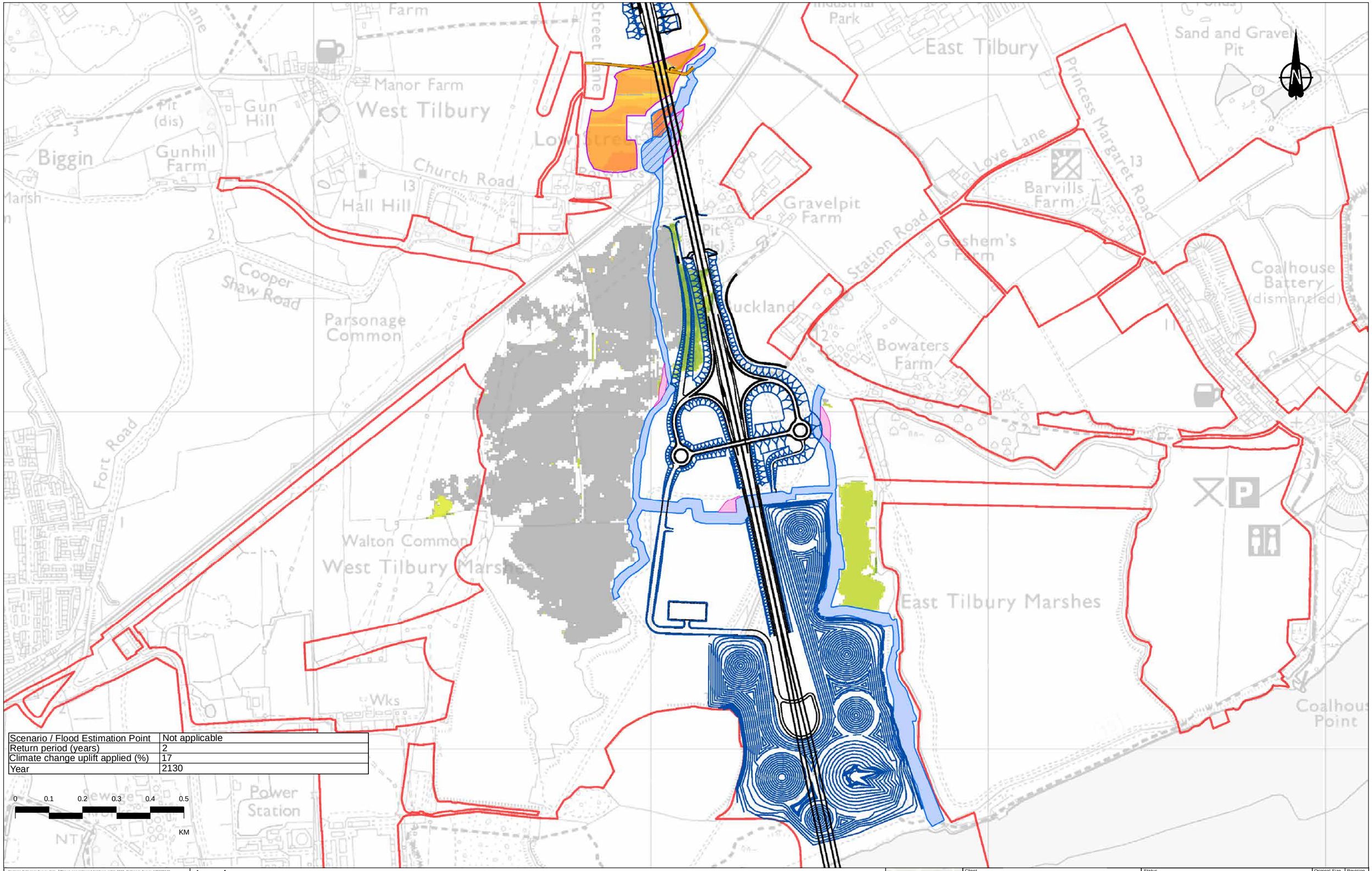
Client: national highways

Project: LOWER THAMES CROSSING

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

Drawing title: FRA - Tilbury Modelling Results
Difference in maximum flood depth
Post-(with mitigation) minus pre-development
Sheet 1 of 7

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01132



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

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel diversions
- Compensation storage area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	Original Size	Revision
DCO Application	A3	P01

Application Document Number: TR010032/APP/6.3

Scale: 1:10,000

Drawing title: FRA - Tilbury Modelling Results
Difference in maximum flood depth
Post-(with mitigation) minus pre-development
Sheet 2 of 7

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01133

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

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel diversions
- Compensation storage area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

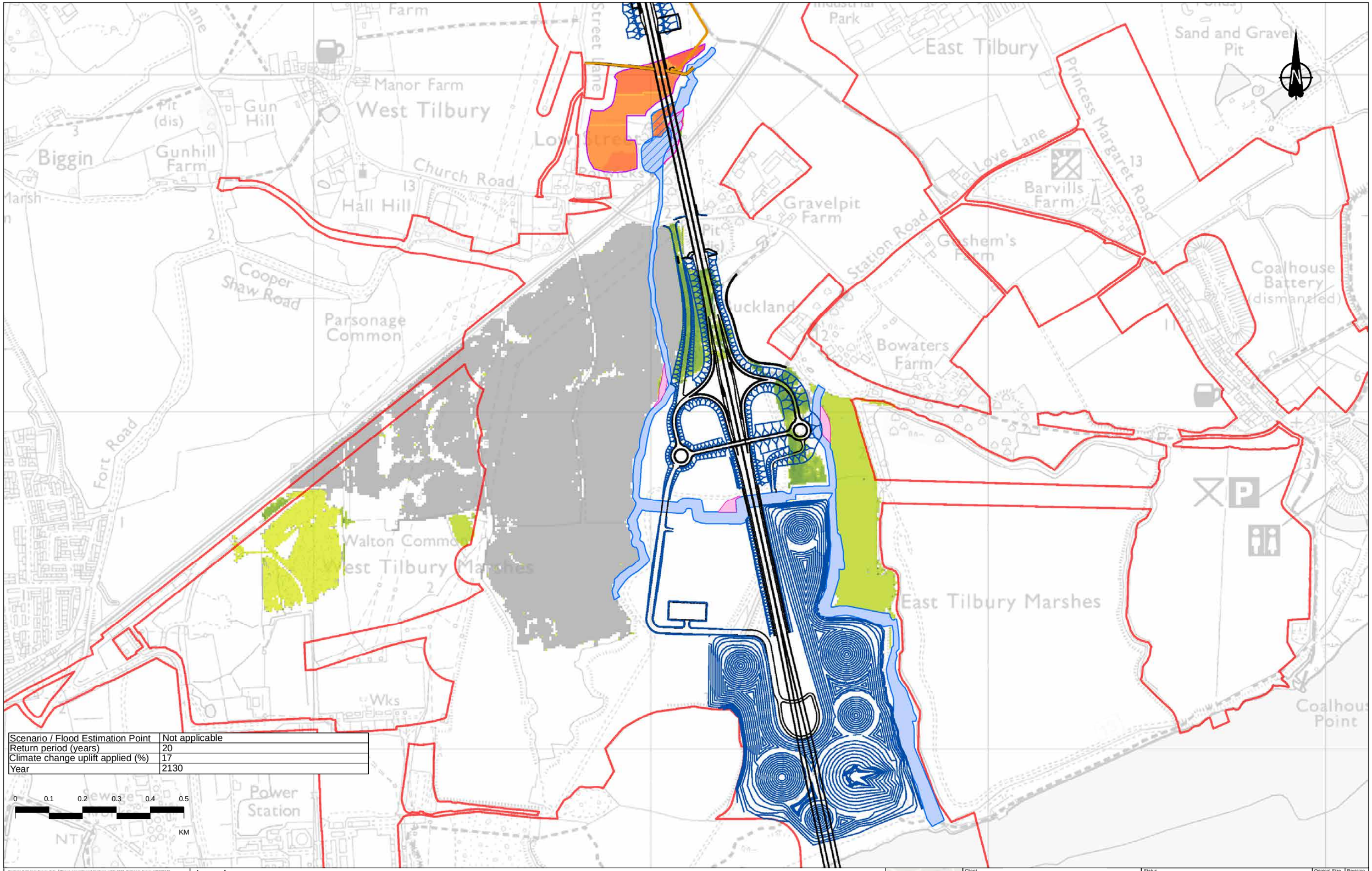
Client: national highways

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
Difference in maximum flood depth
Post-(with mitigation) minus pre-development
Sheet 3 of 7

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01134



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

Legend

- 1D Channel diversions
- Compensation storage area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	Original Size	Revision
DCO Application	A3	P01

Application Document Number: TR010032/APP/6.3

Scale: 1:10,000

Drawing title: FRA - Tilbury Modelling Results
Difference in maximum flood depth
Post-(with mitigation) minus pre-development
Sheet 4 of 7

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01135

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

0 0.1 0.2 0.3 0.4 0.5

KM

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Legend

- 1D Channel diversions
- Compensation storage area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application

Original Size: A3

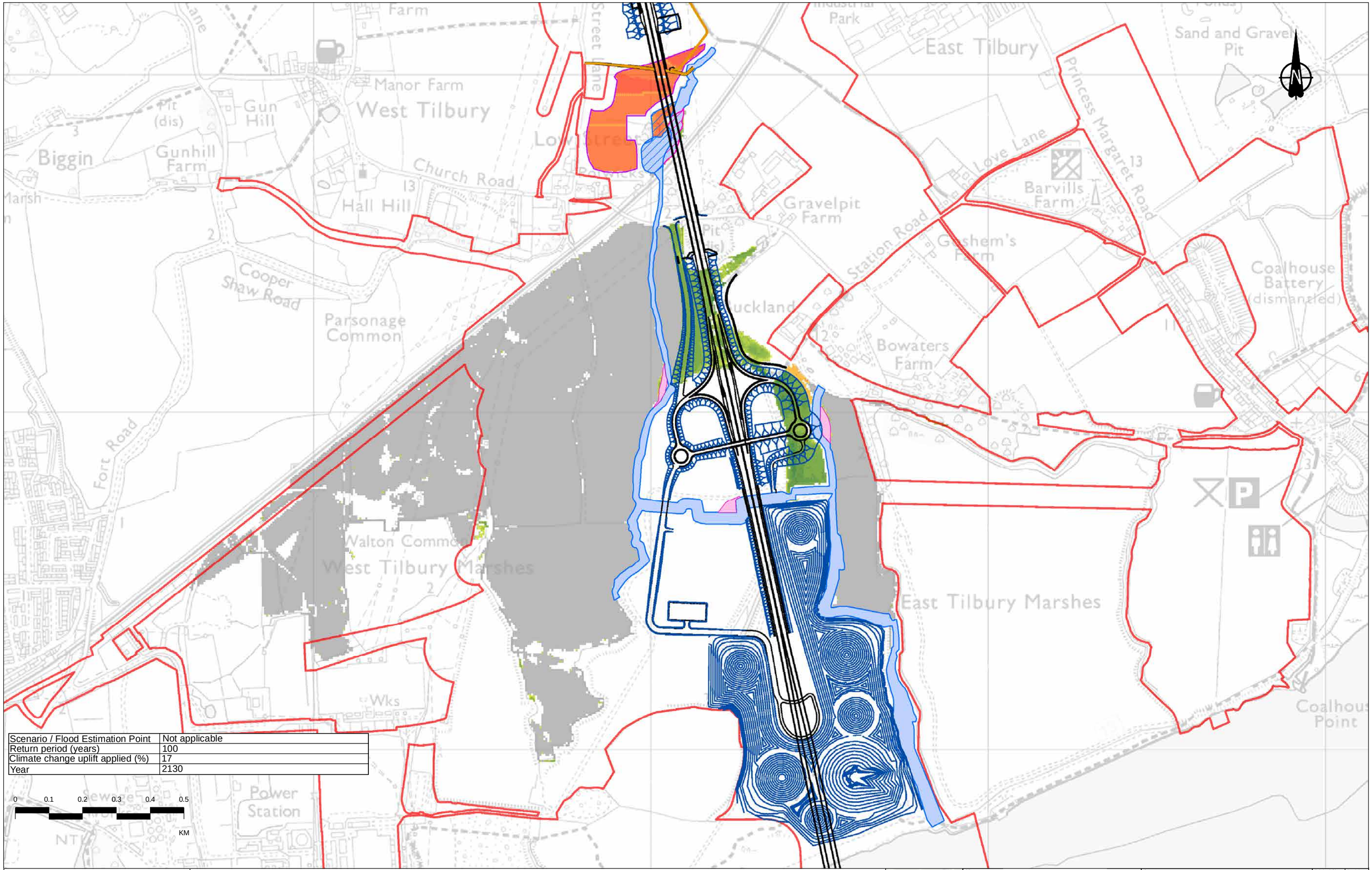
Revision: P01

Application Document Number: TR010032/APP/6.3

Scale: 1:10,000

Drawing title: FRA - Tilbury Modelling Results
Difference in maximum flood depth
Post-(with mitigation) minus pre-development
Sheet 5 of 7

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01136



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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Legend

- 1D Channel diversions
- Compensation storage area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

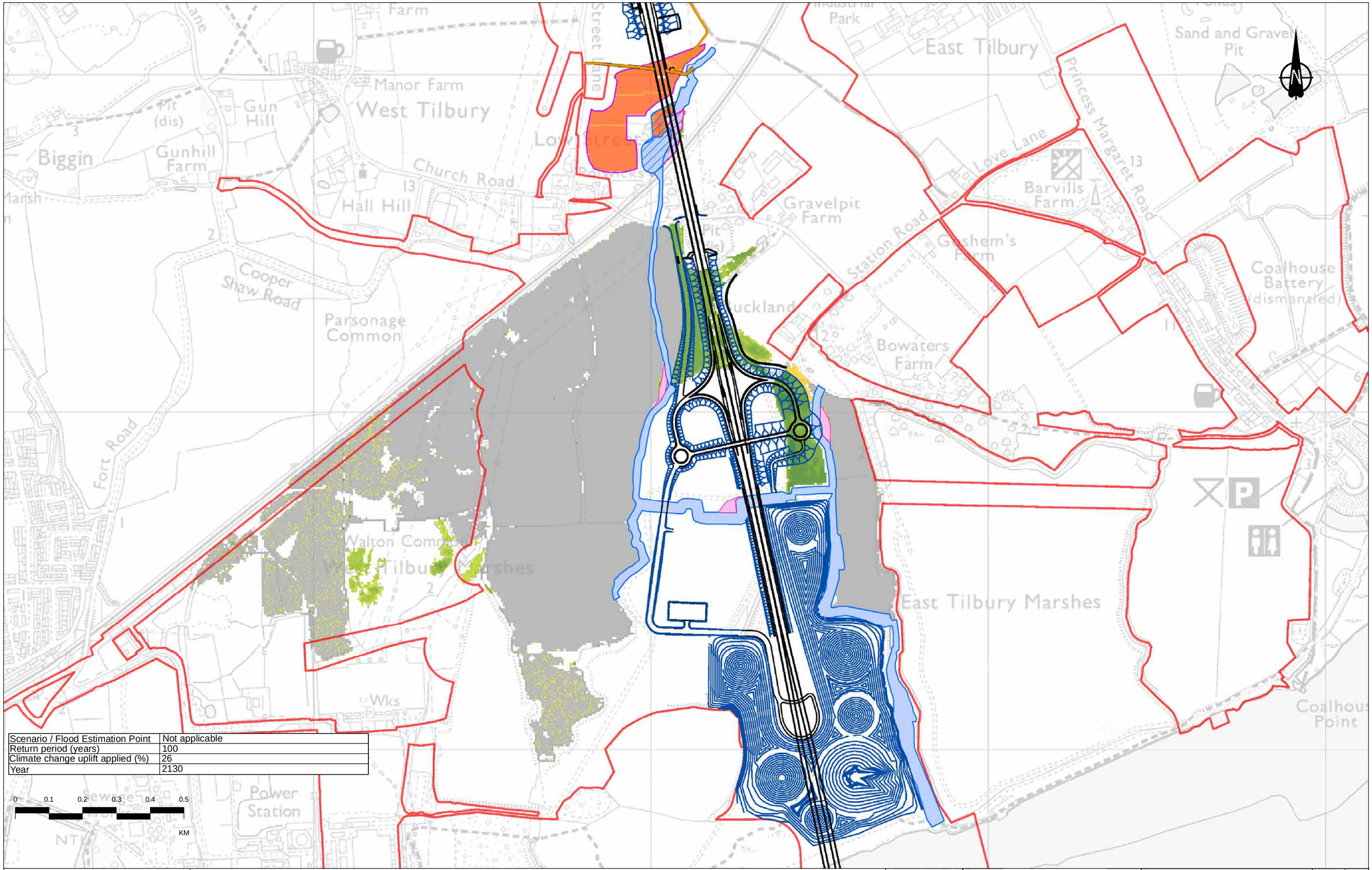
Client: national highways

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
Difference in maximum flood depth
Post-(with mitigation) minus pre-development
Sheet 6 of 7

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01137



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

0 0.1 0.2 0.3 0.4 0.5

KM

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Legend

- 1D Channel diversions
- Compensation storage area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

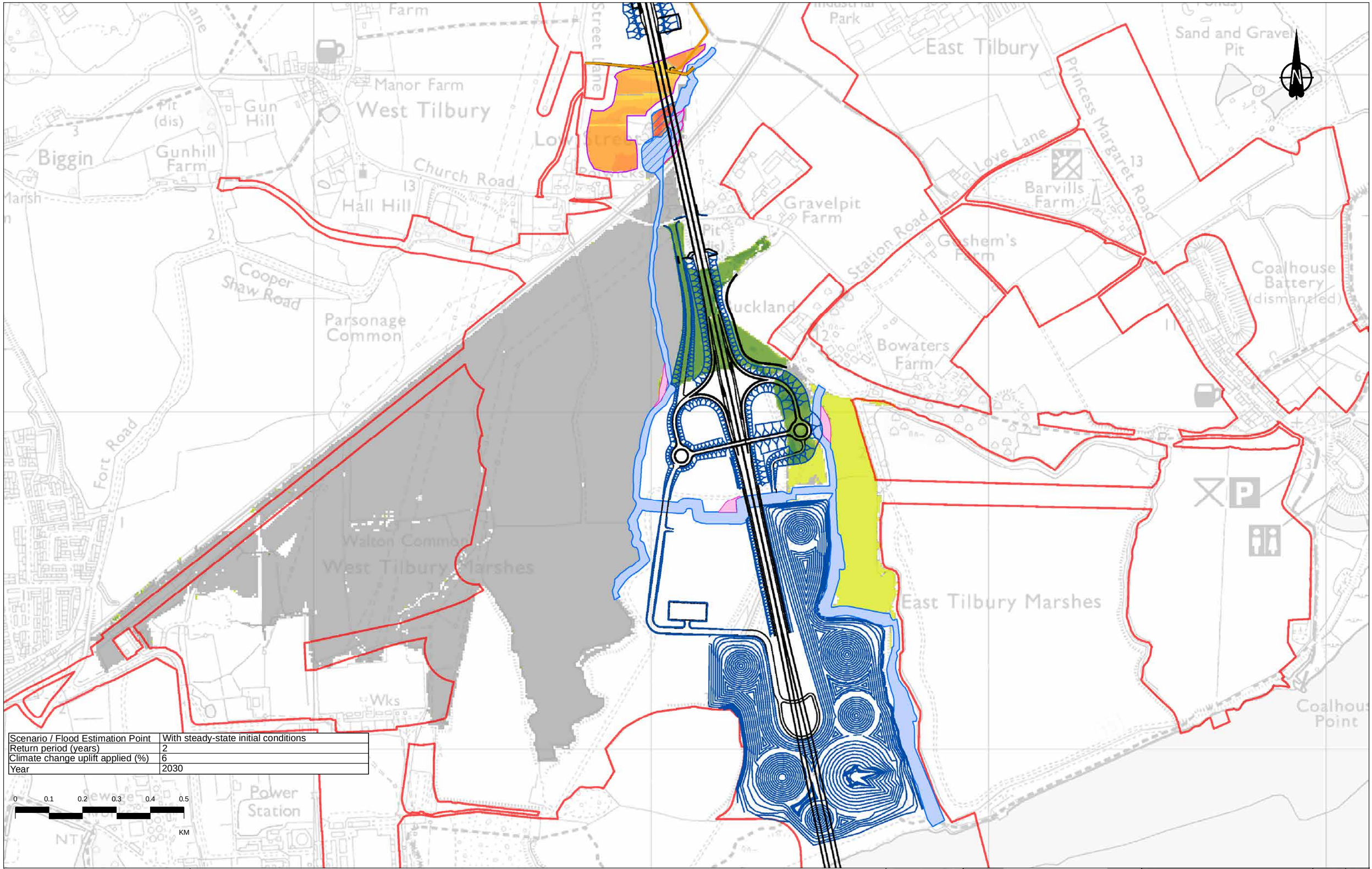
Client: national highways

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
Difference in maximum flood depth
Post-(with mitigation) minus pre-development
Sheet 7 of 7

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01138



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

0 0.1 0.2 0.3 0.4 0.5

KM

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Legend

- 1D Channel diversions
- Compensation storage area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application

Original Size: A3

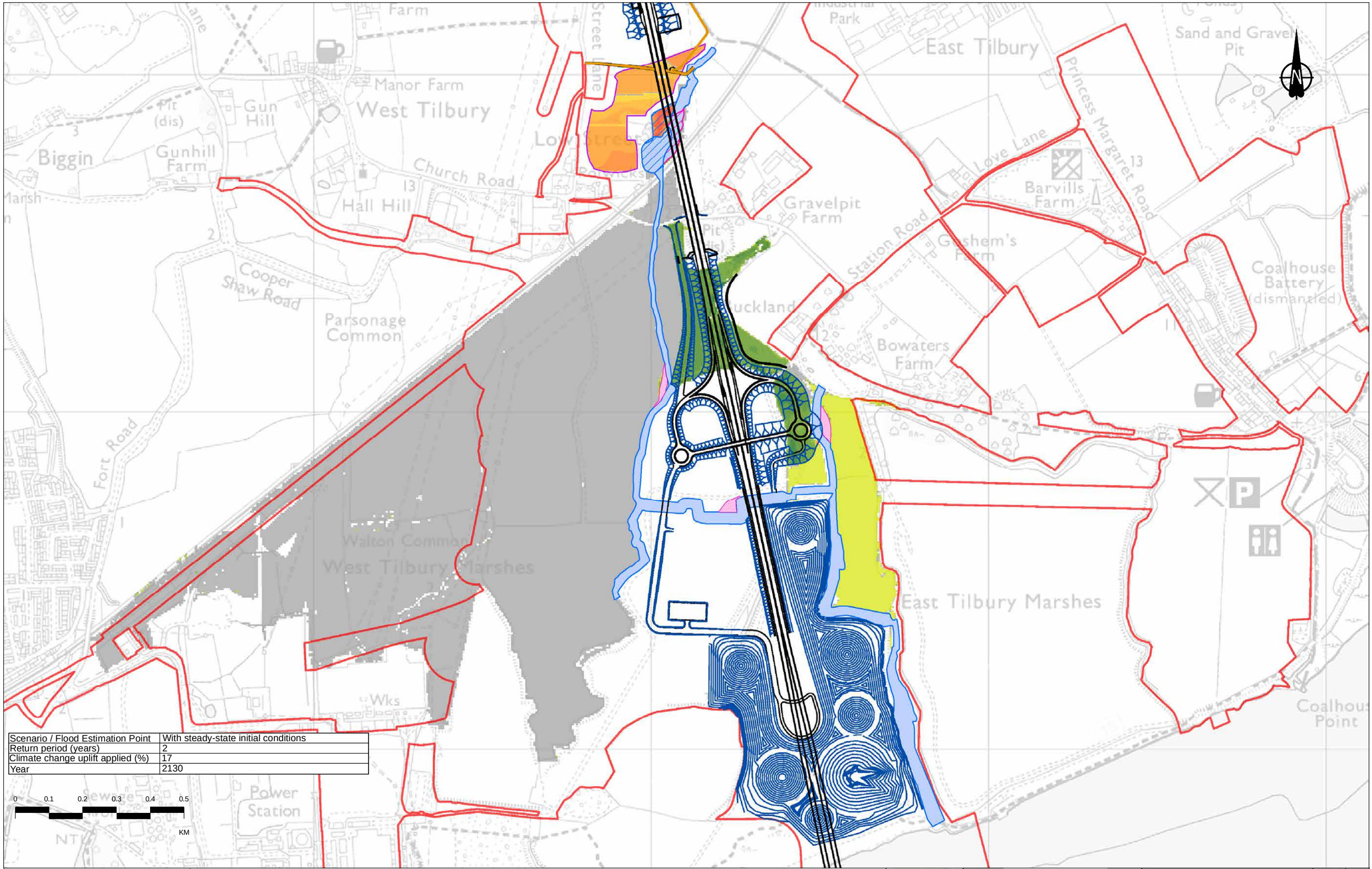
Revision: P01

Application Document Number: TR010032/APP/6.3

Scale: 1:10,000

Drawing title: FRA - Tilbury Modelling Results
Difference in maximum flood depth
Post-(with mitigation) minus pre-development
Sheet 1 of 7

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01139



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

0 0.1 0.2 0.3 0.4 0.5

KM

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Appr'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Legend

- 1D Channel diversions
- Compensation storage area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

Client: national highways

Project: LOWER THAMES CROSSING

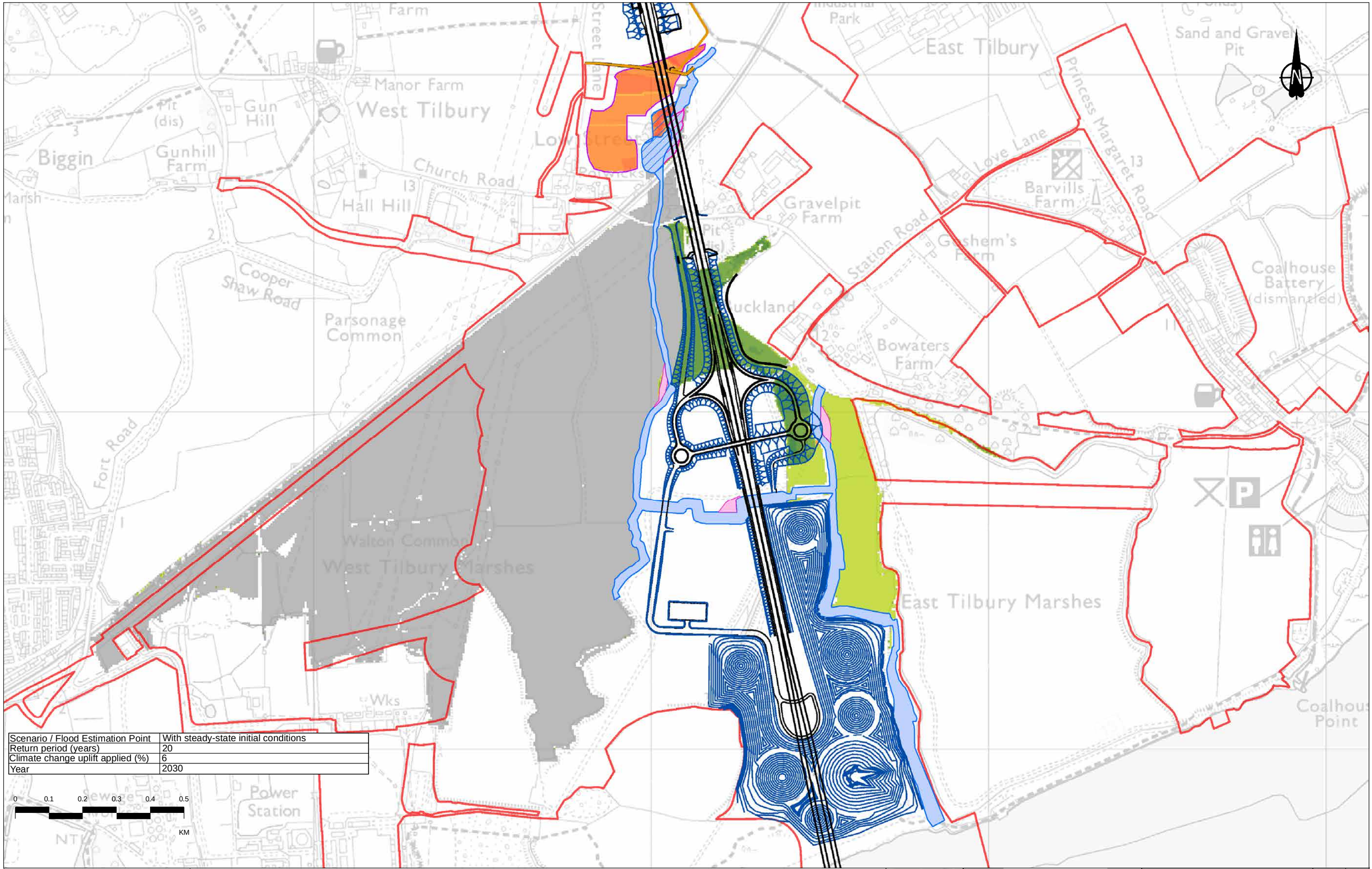
Status	Original Size	Revision
DCO Application	A3	P01

Application Document Number: TR010032/APP/6.3

Scale: 1:10,000

Drawing title: FRA - Tilbury Modelling Results
Difference in maximum flood depth
Post-(with mitigation) minus pre-development
Sheet 2 of 7

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01140



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

0 0.1 0.2 0.3 0.4 0.5

KM

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Legend

- 1D Channel diversions
- Compensation storage area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application

Original Size: A3

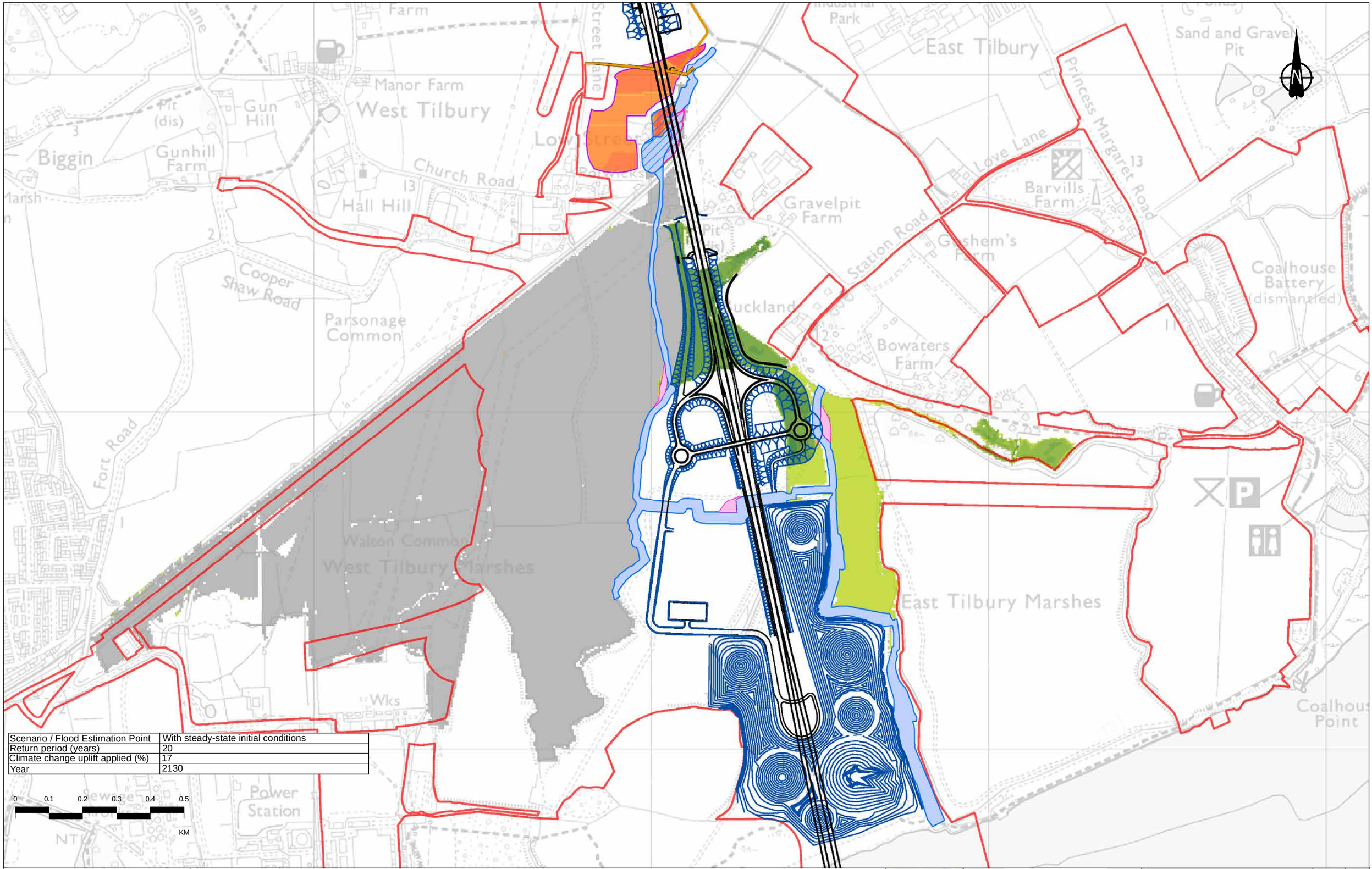
Revision: P01

Application Document Number: TR010032/APP/6.3

Scale: 1:10,000

Drawing title: FRA - Tilbury Modelling Results
Difference in maximum flood depth
Post-(with mitigation) minus pre-development
Sheet 3 of 7

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01141



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

0 0.1 0.2 0.3 0.4 0.5

KM

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Legend

- 1D Channel diversions
- Compensation storage area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

Client: national highways

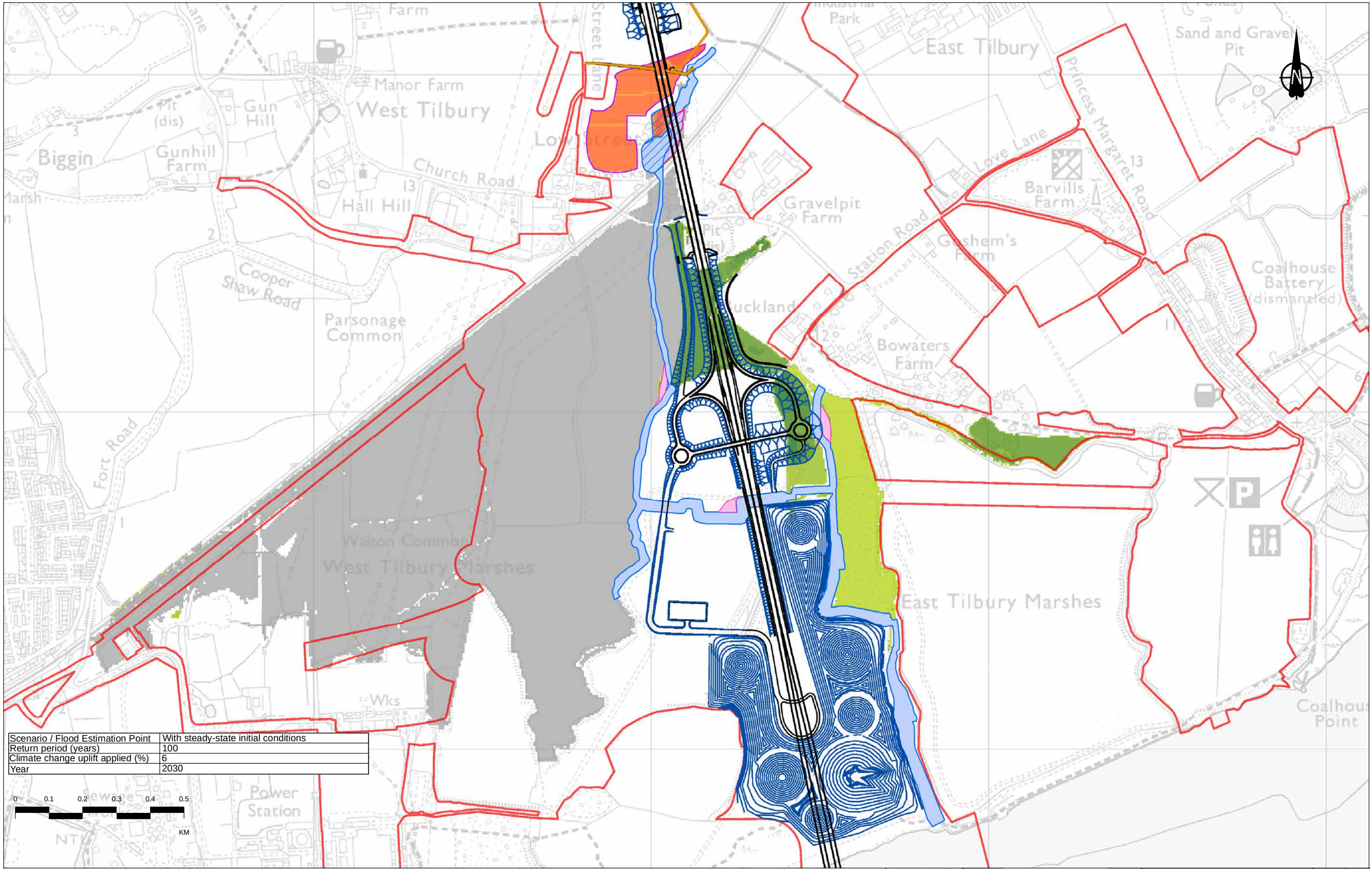
Project: LOWER THAMES CROSSING

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
Difference in maximum flood depth
Post-(with mitigation) minus pre-development
Sheet 4 of 7

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01142



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

0 0.1 0.2 0.3 0.4 0.5

KM

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Appr'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Legend

- 1D Channel diversions
- Compensation storage area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application

Original Size: A3

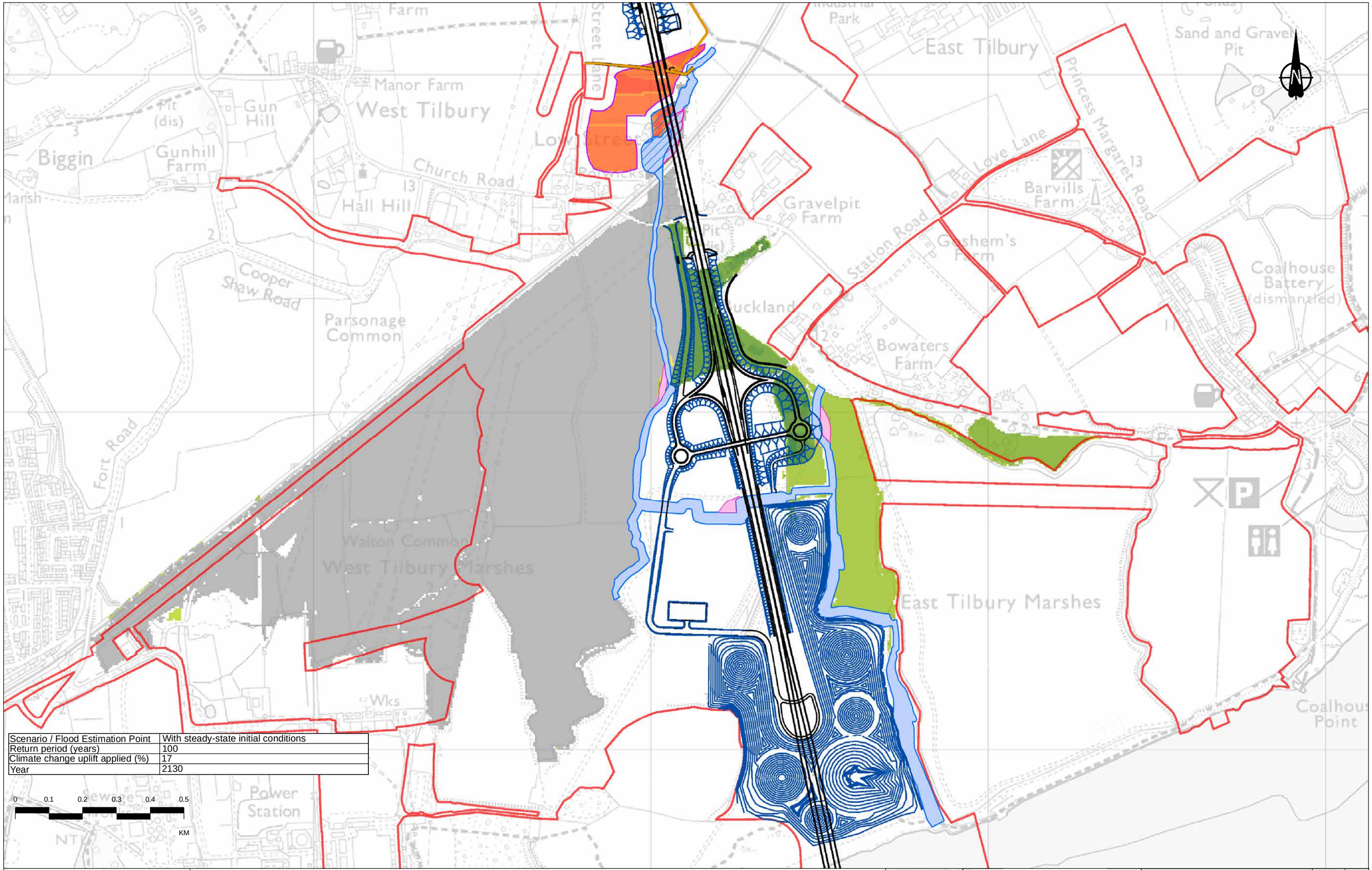
Revision: P01

Application Document Number: TR010032/APP/6.3

Scale: 1:10,000

Drawing title: FRA - Tilbury Modelling Results
Difference in maximum flood depth
Post-(with mitigation) minus pre-development
Sheet 5 of 7

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01143



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

0 0.1 0.2 0.3 0.4 0.5

KM

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Legend

- 1D Channel diversions
- Compensation storage area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application

Original Size: A3

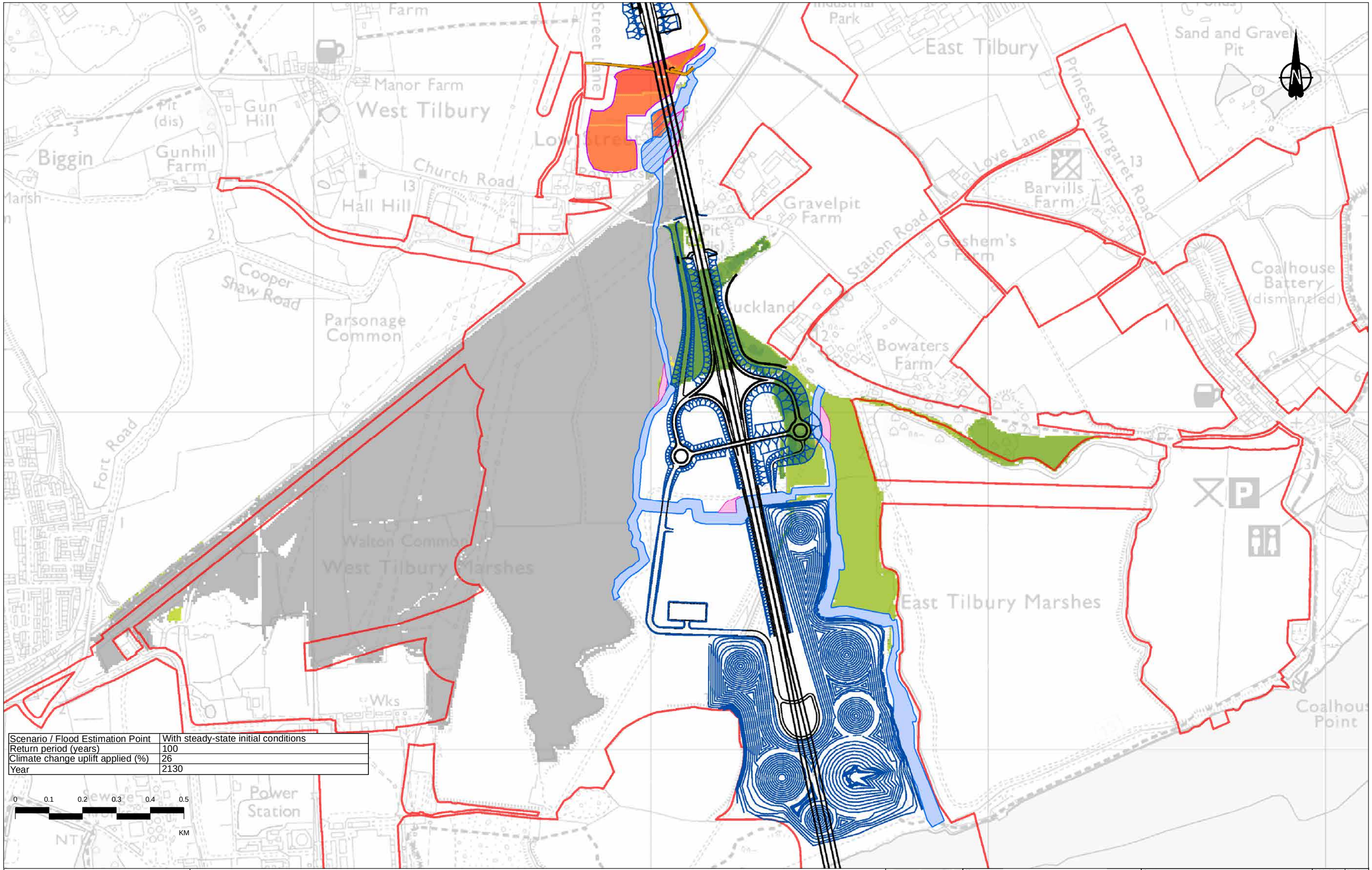
Revision: P01

Application Document Number: TR010032/APP/6.3

Scale: 1:10,000

Drawing title: FRA - Tilbury Modelling Results
Difference in maximum flood depth
Post-(with mitigation) minus pre-development
Sheet 6 of 7

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01144



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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Legend

- 1D Channel diversions
- Compensation storage area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

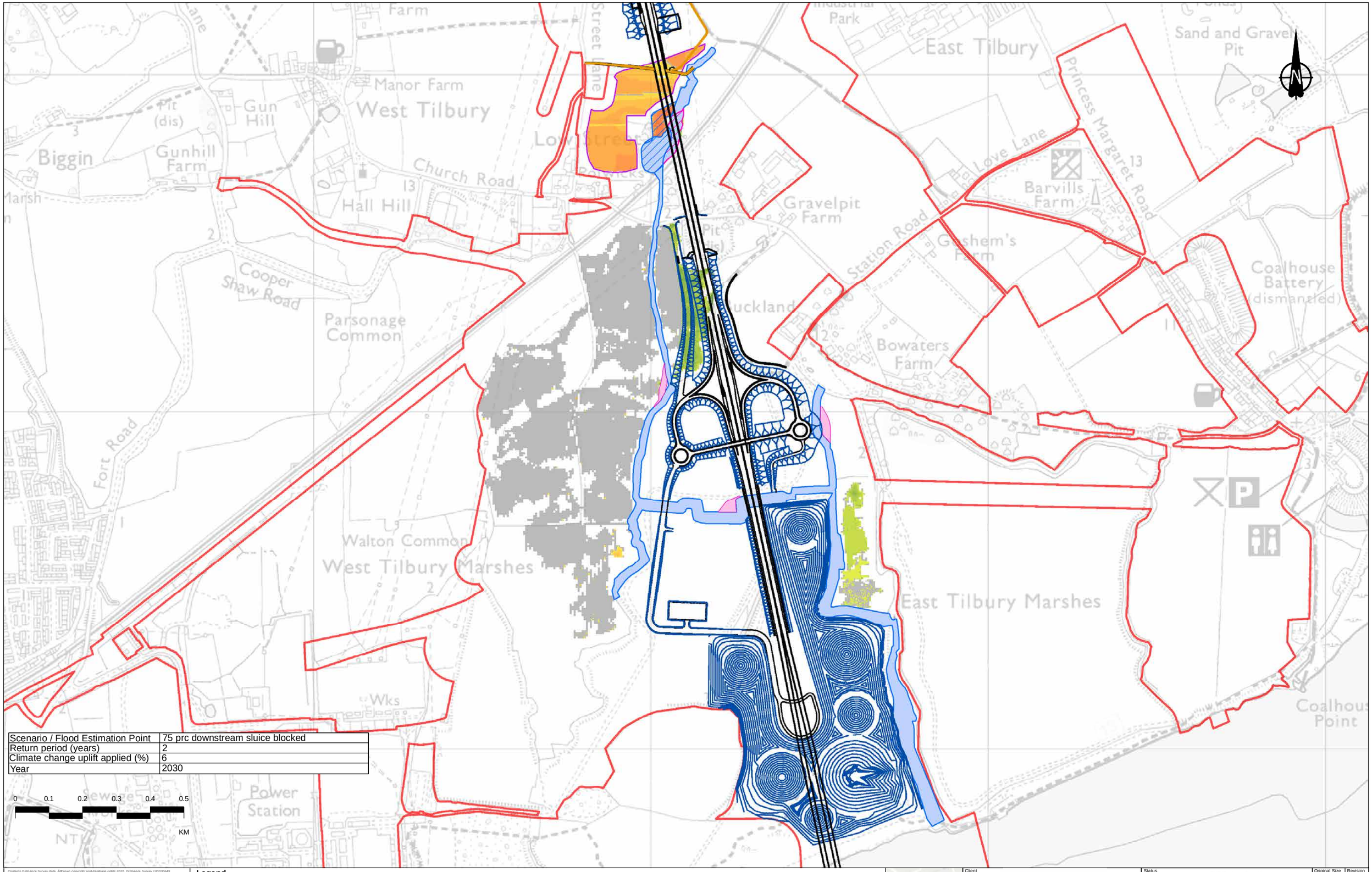
Client: national highways

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
Difference in maximum flood depth
Post-(with mitigation) minus pre-development
Sheet 7 of 7

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01145



Scenario / Flood Estimation Point	75 prc downstream sluice blocked
Return period (years)	2
Climate change uplift applied (%)	6
Year	2030

0 0.1 0.2 0.3 0.4 0.5
KM

Legend

- 1D Channel diversions
- Compensation storage area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

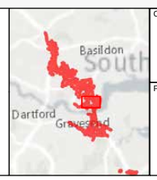
Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

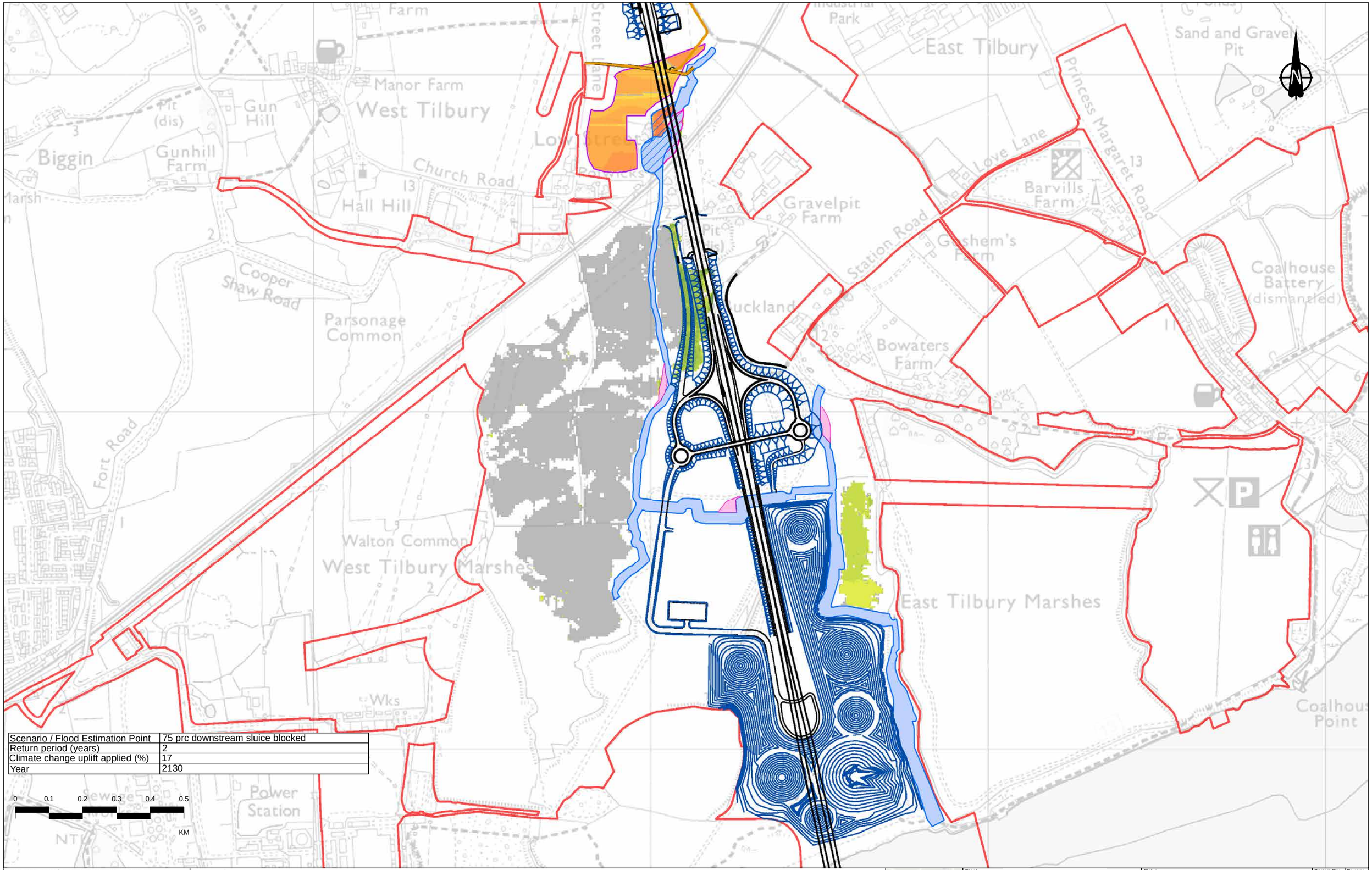
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF



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
Difference in maximum flood depth
Post-(with mitigation) minus pre-development
Sheet 1 of 7
Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01146



Scenario / Flood Estimation Point	75 prc downstream sluice blocked
Return period (years)	2
Climate change uplift applied (%)	17
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Appr'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Legend

- 1D Channel diversions
- Compensation storage area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application

Original Size: A3

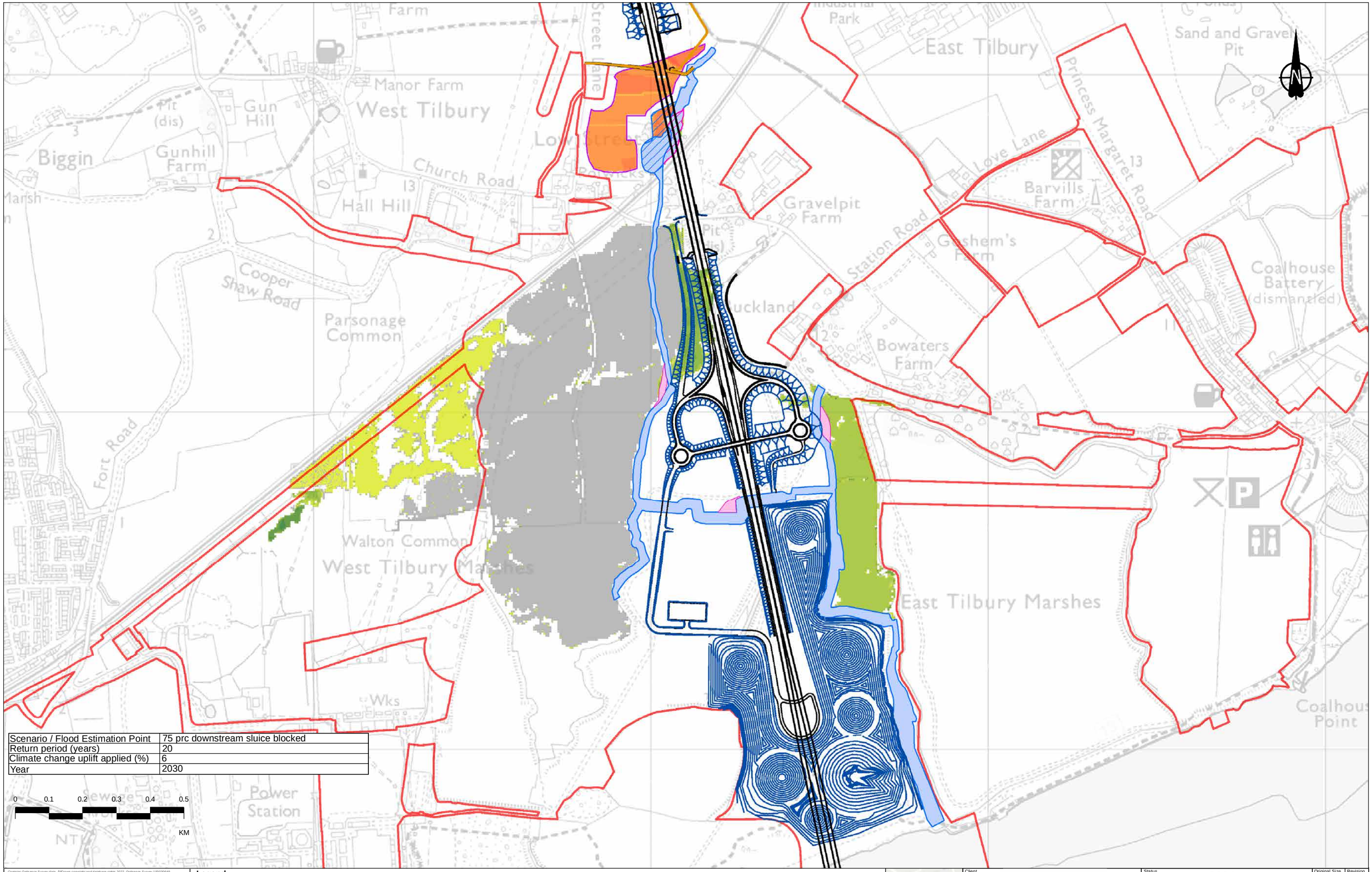
Revision: P01

Application Document Number: TR010032/APP/6.3

Scale: 1:10,000

Drawing title: FRA - Tilbury Modelling Results
Difference in maximum flood depth
Post-(with mitigation) minus pre-development
Sheet 2 of 7

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01147



Scenario / Flood Estimation Point	75 prc downstream sluice blocked
Return period (years)	20
Climate change uplift applied (%)	6
Year	2030

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel diversions
- Compensation storage area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

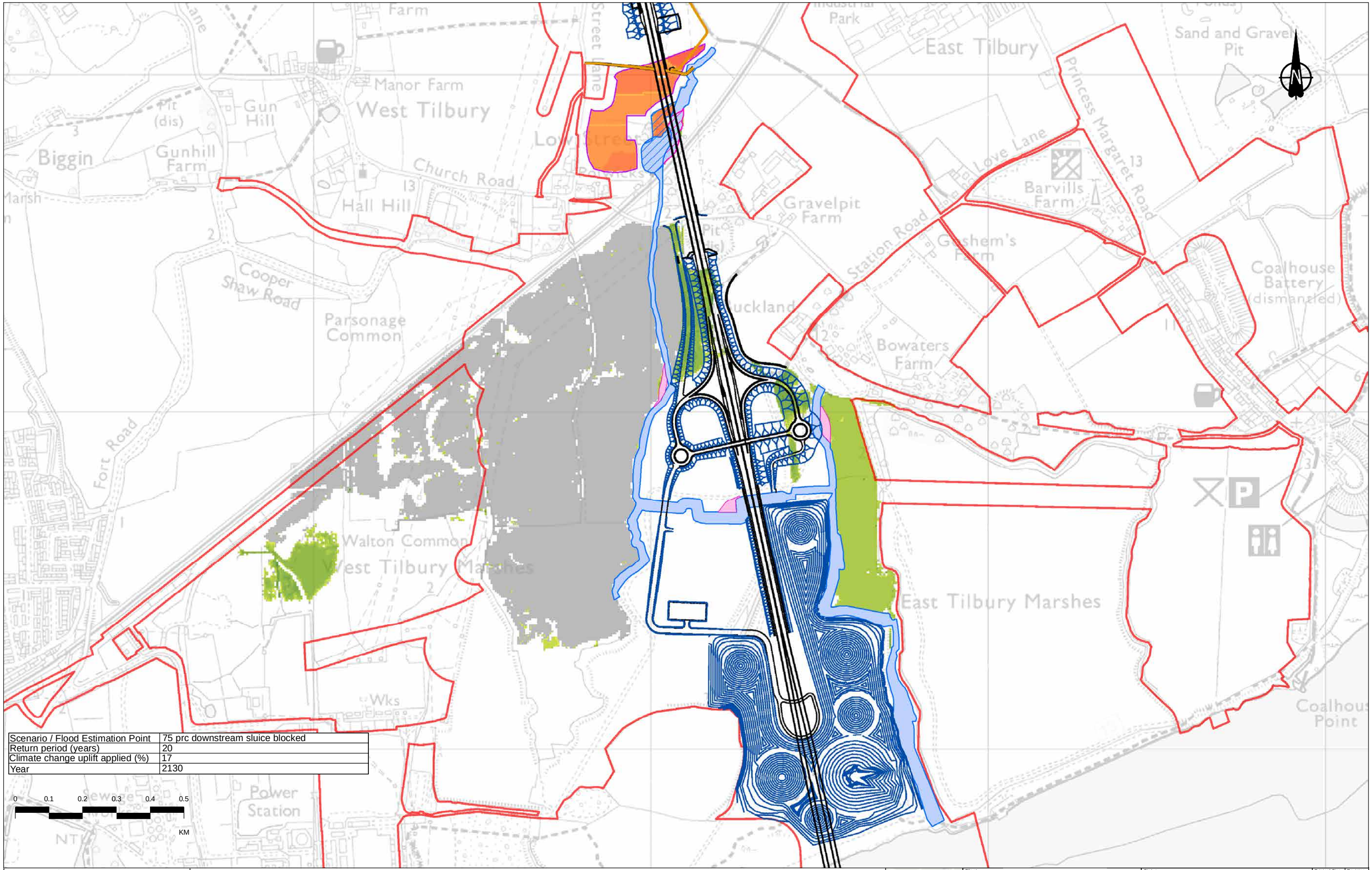
Status	Original Size	Revision
DCO Application	A3	P01

Application Document Number: TR010032/APP/6.3

Scale: 1:10,000

Drawing title: FRA - Tilbury Modelling Results
Difference in maximum flood depth
Post-(with mitigation) minus pre-development
Sheet 3 of 7

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01148



Scenario / Flood Estimation Point	75 prc downstream sluice blocked
Return period (years)	20
Climate change uplift applied (%)	17
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel diversions
- Compensation storage area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

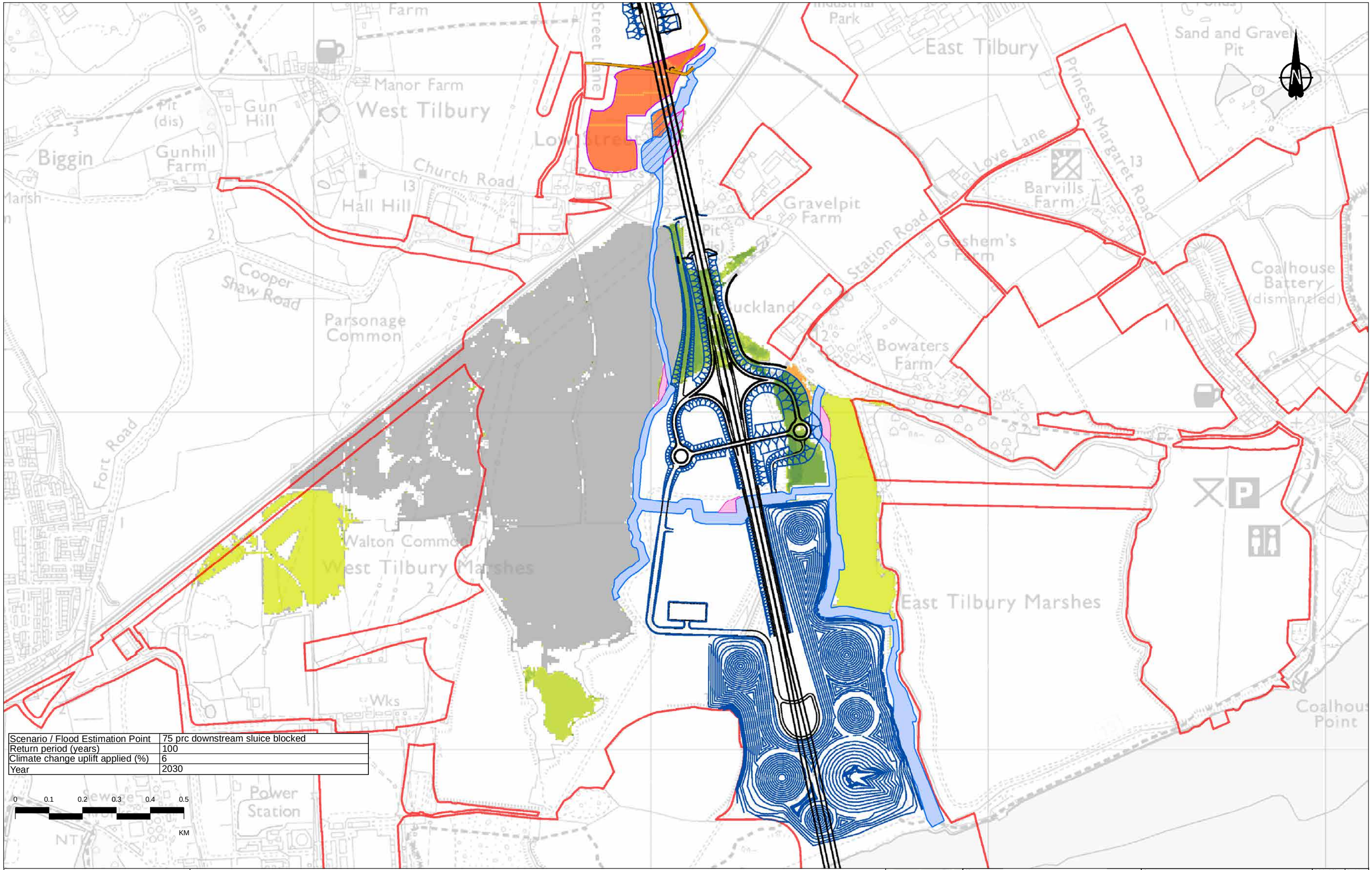
Client: national highways

Project: LOWER THAMES CROSSING

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

Drawing title: FRA - Tilbury Modelling Results
Difference in maximum flood depth
Post-(with mitigation) minus pre-development
Sheet 4 of 7

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01149



Scenario / Flood Estimation Point	75 prc downstream sluice blocked
Return period (years)	100
Climate change uplift applied (%)	6
Year	2030

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Legend

- 1D Channel diversions
- Compensation storage area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

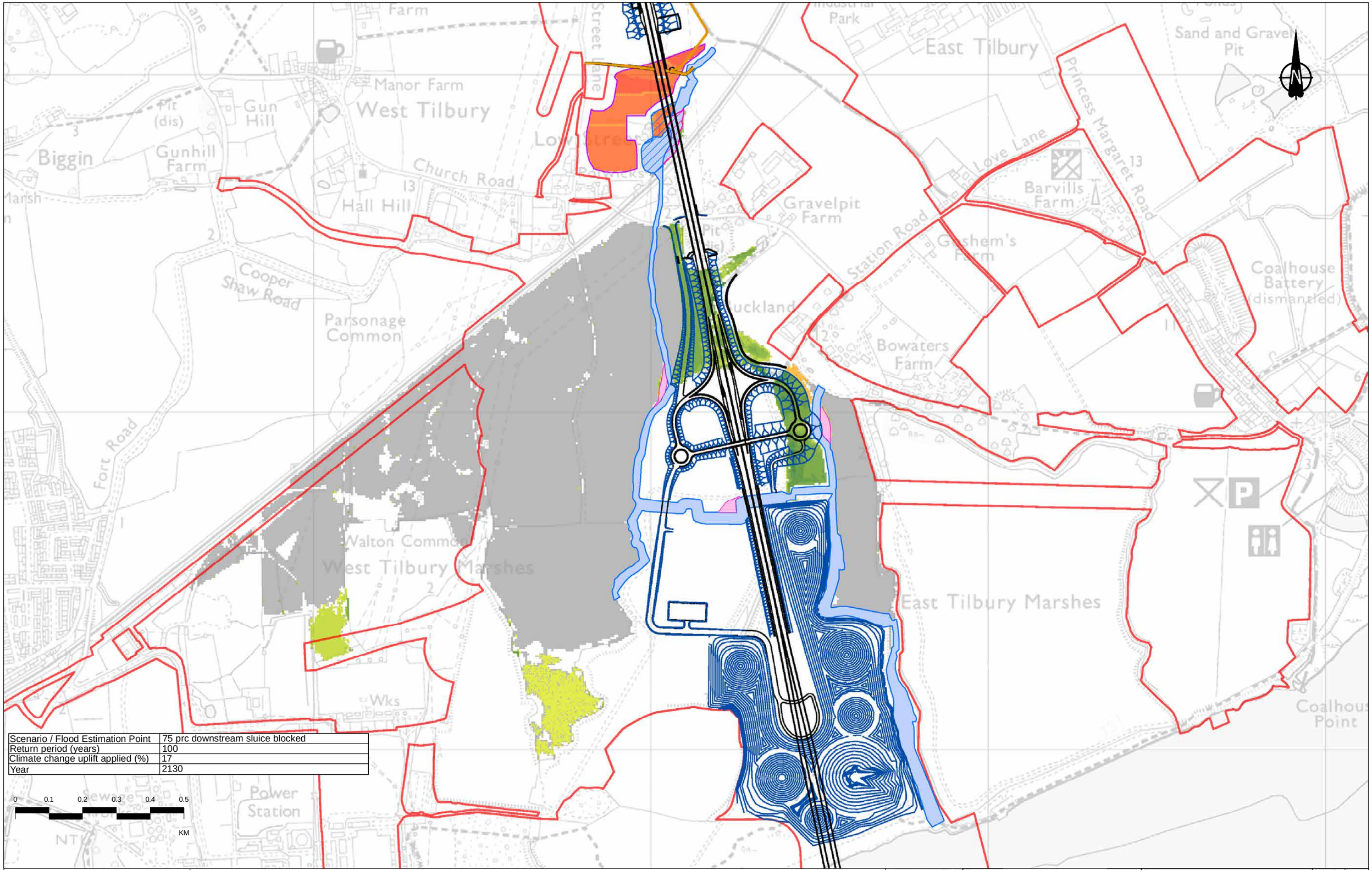
Client: national highways

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
Difference in maximum flood depth
Post-(with mitigation) minus pre-development
Sheet 5 of 7

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01150



Scenario / Flood Estimation Point	75 prc downstream sluice blocked
Return period (years)	100
Climate change uplift applied (%)	17
Year	2130

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Legend

- 1D Channel diversions
- Compensation storage area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

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
Difference in maximum flood depth
Post-(with mitigation) minus pre-development
Sheet 6 of 7

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01151

Scenario / Flood Estimation Point	75 prc downstream sluice blocked
Return period (years)	100
Climate change uplift applied (%)	26
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel diversions
- Compensation storage area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

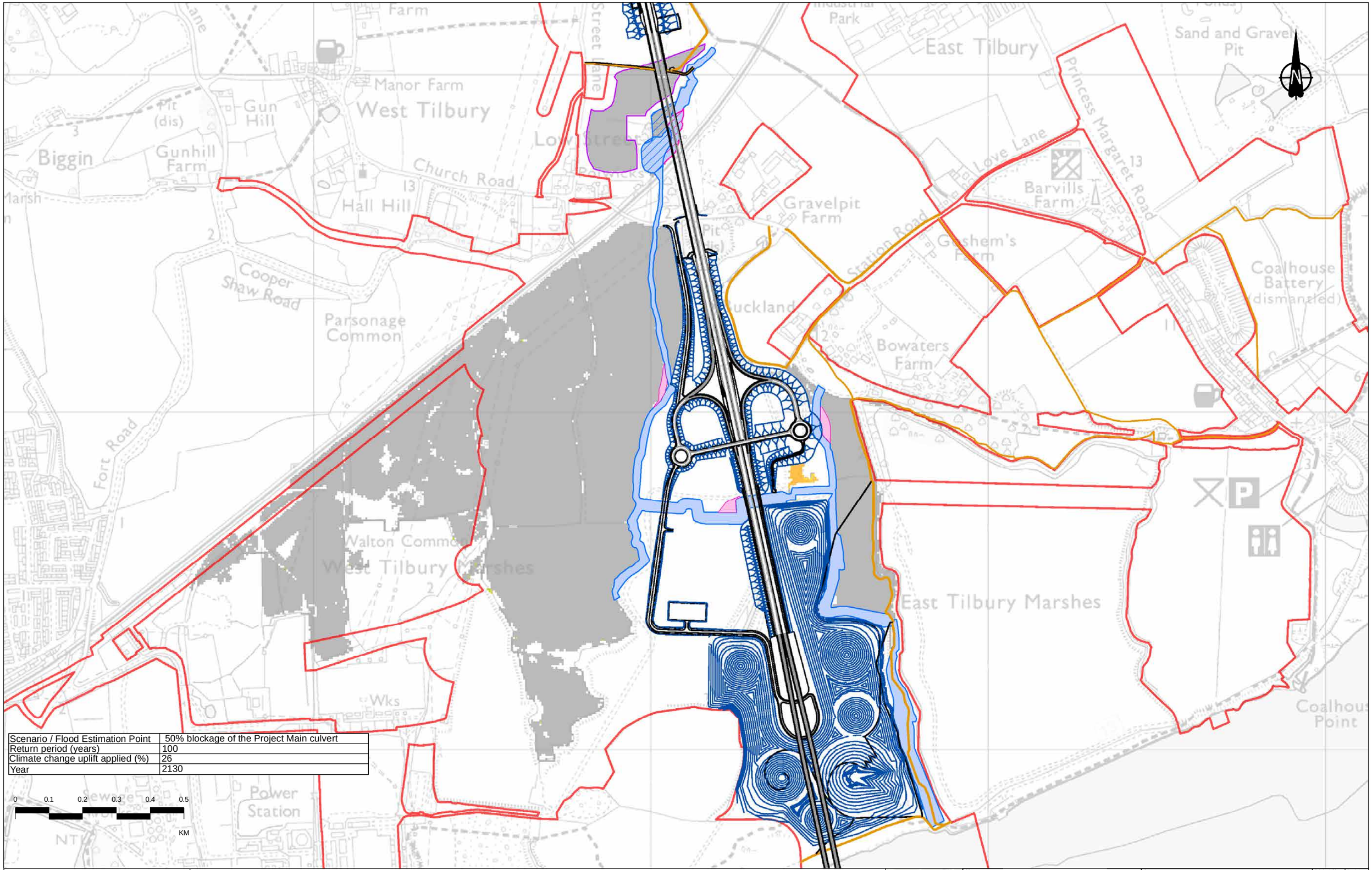
Project: LOWER THAMES CROSSING

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
Difference in maximum flood depth
Post-(with mitigation) minus pre-development
Sheet 7 of 7

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01152



Scenario / Flood Estimation Point	50% blockage of the Project Main culvert
Return period (years)	100
Climate change uplift applied (%)	26
Year	2130

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Legend

- 1D Channel diversions
- Compensation storage area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application

Original Size: A3

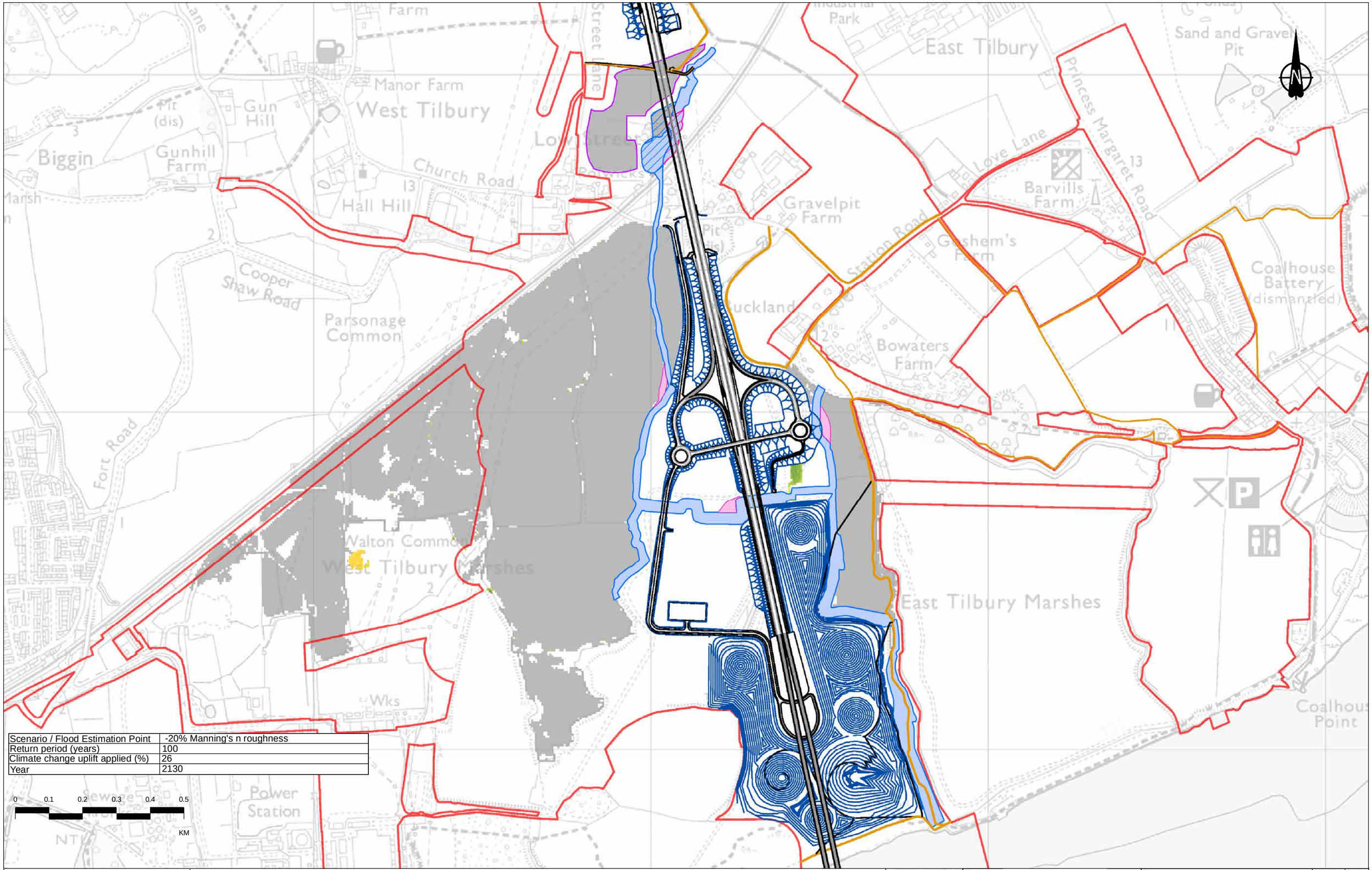
Revision: P01

Application Document Number: TR010032/APP/6.3

Scale: 1:10,000

Drawing title: FRA - Tilbury Modelling Results Difference in maximum flood depth Sensitivity minus post-development Sheet 1 of 5

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01153



Scenario / Flood Estimation Point	-20% Manning's n roughness
Return period (years)	100
Climate change uplift applied (%)	26
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Legend

- 1D Channel diversions
- Compensation storage area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

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 Difference in maximum flood depth Sensitivity minus post-development Sheet 2 of 5

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01154

Scenario / Flood Estimation Point	+20% Manning's n roughness
Return period (years)	100
Climate change uplift applied (%)	26
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Legend

- 1D Channel diversions
- Compensation storage area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

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
Difference in maximum flood depth
Sensitivity minus post-development
Sheet 3 of 5

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01155

Scenario / Flood Estimation Point	-20% Model inflows
Return period (years)	100
Climate change uplift applied (%)	26
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel diversions
- Compensation storage area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

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 Difference in maximum flood depth Sensitivity minus post-development Sheet 4 of 5

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01156

Scenario / Flood Estimation Point	+20% Model inflows
Return period (years)	100
Climate change uplift applied (%)	26
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- 1D Channel diversions
- Compensation storage area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

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
Difference in maximum flood depth
Sensitivity minus post-development
Sheet 5 of 5

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01157

Scenario / Flood Estimation Point	Breach TIL006
Return period (years)	200
Climate change uplift applied (%)	Not applicable
Year	2030

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL006
- 2D Model domain
- 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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application | Original Size: A3 | Revision: P01

Application Document Number: TR010032/APP/6.3 | Scale: 1:15,000

Drawing title: FRA - Tilbury Modelling Results Maximum flood depth Pre-development Sheet 1 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01178

Scenario / Flood Estimation Point	Breach TIL006
Return period (years)	200
Climate change uplift applied (%)	Not applicable
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL006
- 2D Model domain
- 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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application

Original Size: A3

Revision: P01

Application Document Number: TR010032/APP/6.3

Scale: 1:15,000

Drawing title: FRA - Tilbury Modelling Results Maximum flood depth Pre-development Sheet 2 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01179

Scenario / Flood Estimation Point	Breach TIL006
Return period (years)	1000
Climate change uplift applied (%)	Not applicable
Year	2030

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL006
- 2D Model domain
- 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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	Original Size	Revision
DCO Application	A3	P01

Application Document Number: TR010032/APP/6.3

Scale: 1:15,000

Drawing title: FRA - Tilbury Modelling Results Maximum flood depth Pre-development Sheet 3 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01180

Scenario / Flood Estimation Point	Breach TIL006
Return period (years)	1000
Climate change uplift applied (%)	Not applicable
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL006
- 2D Model domain
- 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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	Original Size	Revision
DCO Application	A3	P01

Application Document Number: TR010032/APP/6.3

Scale: 1:15,000

Drawing title: FRA - Tilbury Modelling Results Maximum flood depth Pre-development Sheet 4 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01181

Scenario / Flood Estimation Point	Breach TIL006
Return period (years)	200
Climate change uplift applied (%)	Not applicable
Year	2030

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL006
- 2D Model domain
- 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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	Original Size	Revision
DCO Application	A3	P01

Application Document Number: TR010032/APP/6.3

Scale: 1:15,000

Drawing title: FRA - Tilbury Modelling Results
Maximum flood depth
Post-development (with mitigation)
Sheet 5 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01182

Scenario / Flood Estimation Point	Breach TIL006
Return period (years)	200
Climate change uplift applied (%)	Not applicable
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL006
- 2D Model domain
- 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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application

Original Size: A3

Revision: P01

Application Document Number: TR010032/APP/6.3

Scale: 1:15,000

Drawing title: FRA - Tilbury Modelling Results
Maximum flood depth
Post-development (with mitigation)
Sheet 6 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01183

Scenario / Flood Estimation Point	Breach TIL006
Return period (years)	1000
Climate change uplift applied (%)	Not applicable
Year	2030

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL006
- 2D Model domain
- 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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	Original Size	Revision
DCO Application	A3	P01

Application Document Number: TR010032/APP/6.3

Scale: 1:15,000

Drawing title: FRA - Tilbury Modelling Results
Maximum flood depth
Post-development (with mitigation)
Sheet 7 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01184

Scenario / Flood Estimation Point	Breach TIL006
Return period (years)	1000
Climate change uplift applied (%)	Not applicable
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL006
- 2D Model domain
- 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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	Original Size	Revision
DCO Application	A3	P01
Application Document Number: TR010032/APP/6.3	Scale: 1:15,000	

Drawing title: FRA - Tilbury Modelling Results
Maximum flood depth
Post-development (with mitigation)
Sheet 8 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01185

Scenario / Flood Estimation Point	Breach TIL005
Return period (years)	200
Climate change uplift applied (%)	Not applicable
Year	2030

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL005
- 2D Model domain
- 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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application | Original Size: A3 | Revision: P01

Application Document Number: TR010032/APP/6.3 | Scale: 1:15,000

Drawing title: FRA - Tilbury Modelling Results Maximum flood depth Pre-development Sheet 9 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01186

Scenario / Flood Estimation Point	Breach TIL005
Return period (years)	200
Climate change uplift applied (%)	Not applicable
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL005
- 2D Model domain
- 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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application
Original Size	A3
Revision	P01
Application Document Number	TR010032/APP/6.3
Scale	1:15,000

Drawing title: FRA - Tilbury Modelling Results
Maximum flood depth
Pre-development
Sheet 10 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01187

Scenario / Flood Estimation Point	Breach TIL005
Return period (years)	1000
Climate change uplift applied (%)	Not applicable
Year	2030

0 0.1 0.2 0.3 0.4 0.5

KM

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Legend

- TIL005
- 2D Model domain
- 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

Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application
Original Size	A3
Revision	P01
Application Document Number	TR010032/APP/6.3
Scale	1:15,000
Drawing title	FRA - Tilbury Modelling Results Maximum flood depth Pre-development Sheet 11 of 16
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01188

Scenario / Flood Estimation Point	Breach TIL005
Return period (years)	1000
Climate change uplift applied (%)	Not applicable
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL005
- 2D Model domain
- 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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	Original Size	Revision
DCO Application	A3	P01
Application Document Number: TR010032/APP/6.3	Scale: 1:15,000	

Drawing title: FRA - Tilbury Modelling Results
Maximum flood depth
Pre-development
Sheet 12 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01189

Scenario / Flood Estimation Point	Breach TIL005
Return period (years)	200
Climate change uplift applied (%)	Not applicable
Year	2030

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL005
- 2D Model domain
- 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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	Original Size	Revision
DCO Application	A3	P01

Application Document Number: TR010032/APP/6.3

Scale: 1:15,000

Drawing title: FRA - Tilbury Modelling Results
Maximum flood depth
Post-development (with mitigation)
Sheet 13 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01190

Scenario / Flood Estimation Point	Breach TIL005
Return period (years)	200
Climate change uplift applied (%)	Not applicable
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL005
- 2D Model domain
- 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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application

Original Size: A3

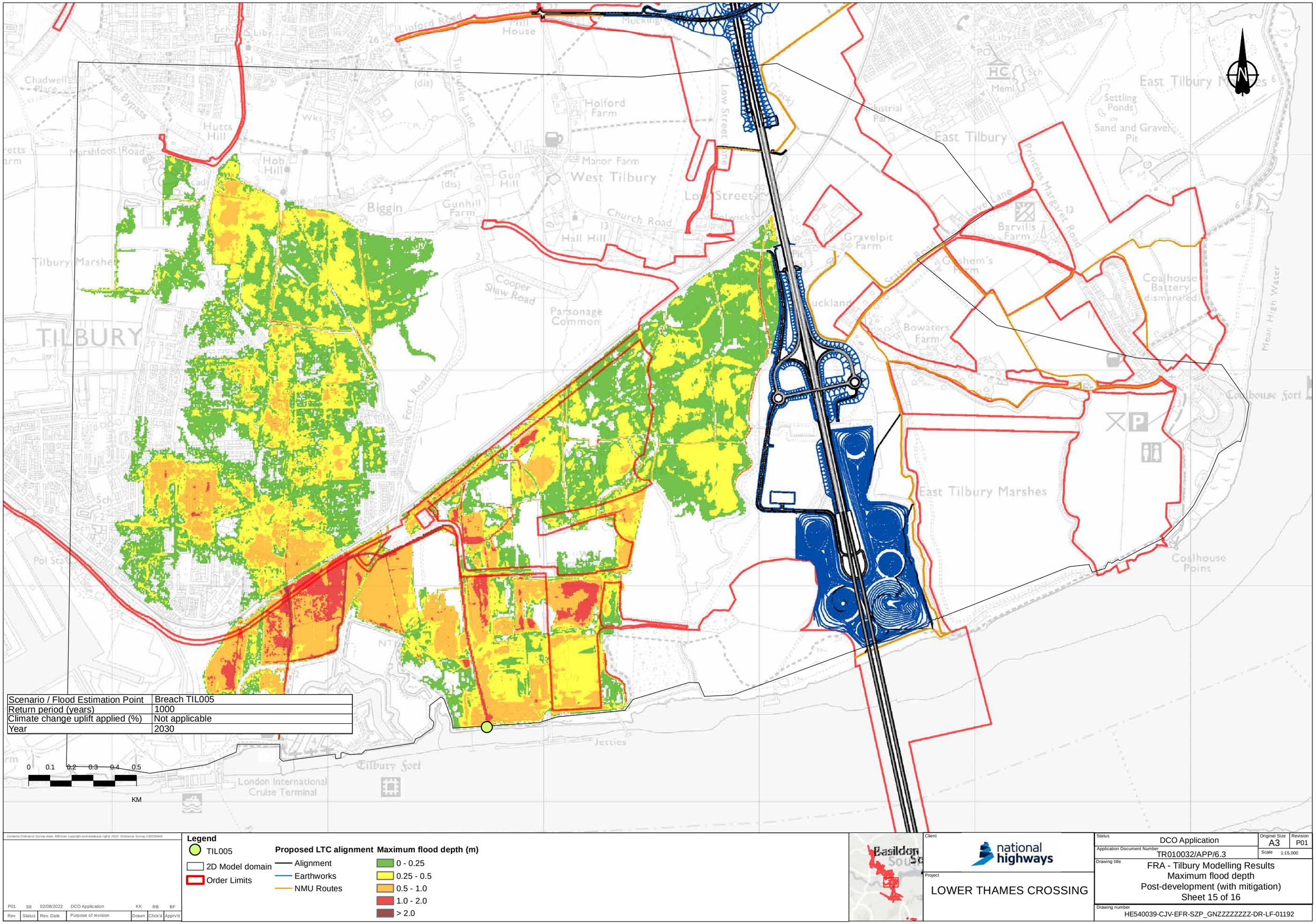
Revision: P01

Application Document Number: TR010032/APP/6.3

Scale: 1:15,000

Drawing title: FRA - Tilbury Modelling Results
Maximum flood depth
Post-development (with mitigation)
Sheet 14 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01191



Scenario / Flood Estimation Point	Breach TIL005
Return period (years)	1000
Climate change uplift applied (%)	Not applicable
Year	2030

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Legend

- TIL005
- 2D Model domain
- 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

Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application
Original Size	A3
Revision	P01
Application Document Number	TR010032/APP/6.3
Scale	1:15,000

Drawing title: FRA - Tilbury Modelling Results
Maximum flood depth
Post-development (with mitigation)
Sheet 15 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01192

Scenario / Flood Estimation Point	Breach TIL005
Return period (years)	1000
Climate change uplift applied (%)	Not applicable
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL005
- 2D Model domain
- 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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application
Original Size	A3
Revision	P01
Application Document Number	TR010032/APP/6.3
Scale	1:15,000

Drawing title: FRA - Tilbury Modelling Results
Maximum flood depth
Post-development (with mitigation)
Sheet 16 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01193

Scenario / Flood Estimation Point	Breach TIL006
Return period (years)	200
Climate change uplift applied (%)	Not applicable
Year	2030

0 0.1 0.2 0.3 0.4 0.5

KM

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Legend

- TIL006
- Order Limits
- 2D Model domain

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood velocity (m/s)

- 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	1:15,000
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 1 of 16
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01194

Scenario / Flood Estimation Point	Breach TIL006
Return period (years)	200
Climate change uplift applied (%)	Not applicable
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL006
- Order Limits
- 2D Model domain

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood velocity (m/s)

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	Original Size	Revision
DCO Application	A3	P01

Application Document Number: TR010032/APP/6.3

Scale: 1:15,000

Drawing title: FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 2 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01195

Scenario / Flood Estimation Point	Breach TIL006
Return period (years)	1000
Climate change uplift applied (%)	Not applicable
Year	2030

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL006
- Order Limits
- 2D Model domain

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood velocity (m/s)

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application
Original Size	A3
Revision	P01
Application Document Number	TR010032/APP/6.3
Scale	1:15,000
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 3 of 16
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01196

Scenario / Flood Estimation Point	Breach TIL006
Return period (years)	1000
Climate change uplift applied (%)	Not applicable
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Legend

- TIL006
- Order Limits
- 2D Model domain

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood velocity (m/s)

- 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	1:15,000
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 4 of 16
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01197

Scenario / Flood Estimation Point	Breach TIL006
Return period (years)	200
Climate change uplift applied (%)	Not applicable
Year	2030

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL006
- Order Limits
- 2D Model domain

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood velocity (m/s)

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application | Original Size: A3 | Revision: P01

Application Document Number: TR010032/APP/6.3 | Scale: 1:15,000

Drawing title: FRA - Tilbury Modelling Results
Maximum flood velocity
Post-development (with mitigation)
Sheet 5 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01198

Scenario / Flood Estimation Point	Breach TIL006
Return period (years)	200
Climate change uplift applied (%)	Not applicable
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL006
- Order Limits
- 2D Model domain

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood velocity (m/s)

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application	Original Size: A3 / Revision: P01
Application Document Number: TR010032/APP/6.3	Scale: 1:15,000

Drawing title: FRA - Tilbury Modelling Results
Maximum flood velocity
Post-development (with mitigation)
Sheet 6 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01199

Scenario / Flood Estimation Point	Breach TIL006
Return period (years)	1000
Climate change uplift applied (%)	Not applicable
Year	2030

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL006
- Order Limits
- 2D Model domain

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood velocity (m/s)

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	Original Size	Revision
DCO Application	A3	P01

Application Document Number: TR010032/APP/6.3

Scale: 1:15,000

Drawing title: FRA - Tilbury Modelling Results
Maximum flood velocity
Post-development (with mitigation)
Sheet 7 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01200

Scenario / Flood Estimation Point	Breach TIL006
Return period (years)	1000
Climate change uplift applied (%)	Not applicable
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL006
- Order Limits
- 2D Model domain

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood velocity (m/s)

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application
Original Size	A3
Revision	P01
Application Document Number	TR010032/APP/6.3
Scale	1:15,000
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (with mitigation) Sheet 8 of 16
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01201

Scenario / Flood Estimation Point	Breach TIL005
Return period (years)	200
Climate change uplift applied (%)	Not applicable
Year	2030

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL005
- Order Limits
- 2D Model domain

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood velocity (m/s)

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application

Original Size: A3

Revision: P01

Application Document Number: TR010032/APP/6.3

Scale: 1:15,000

Drawing title: FRA - Tilbury Modelling Results
Maximum flood velocity
Pre-development
Sheet 9 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01202

Scenario / Flood Estimation Point	Breach TIL005
Return period (years)	200
Climate change uplift applied (%)	Not applicable
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL005
- Order Limits
- 2D Model domain

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood velocity (m/s)

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	Original Size	Revision
DCO Application	A3	P01

Application Document Number: TR010032/APP/6.3

Scale: 1:15,000

Drawing title: FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 10 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01203

Scenario / Flood Estimation Point	Breach TIL005
Return period (years)	1000
Climate change uplift applied (%)	Not applicable
Year	2030

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL005
- Order Limits
- 2D Model domain

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood velocity (m/s)

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	Original Size	Revision
DCO Application	A3	P01

Application Document Number: TR010032/APP/6.3

Scale: 1:15,000

Drawing title: FRA - Tilbury Modelling Results Maximum flood velocity Pre-development Sheet 11 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01204

Scenario / Flood Estimation Point	Breach TIL005
Return period (years)	1000
Climate change uplift applied (%)	Not applicable
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL005
- Order Limits
- 2D Model domain

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood velocity (m/s)

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	Original Size	Revision
DCO Application	A3	P01
Application Document Number: TR010032/APP/6.3	Scale: 1:15,000	

Drawing title: FRA - Tilbury Modelling Results
Maximum flood velocity
Pre-development
Sheet 12 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01205

Scenario / Flood Estimation Point	Breach TIL005
Return period (years)	200
Climate change uplift applied (%)	Not applicable
Year	2030

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL005
- Order Limits
- 2D Model domain

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood velocity (m/s)

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application

Original Size: A3

Revision: P01

Application Document Number: TR010032/APP/6.3

Scale: 1:15,000

Drawing title: FRA - Tilbury Modelling Results
Maximum flood velocity
Post-development (with mitigation)
Sheet 13 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01206

Scenario / Flood Estimation Point	Breach TIL005
Return period (years)	200
Climate change uplift applied (%)	Not applicable
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL005
- Order Limits
- 2D Model domain

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood velocity (m/s)

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application

Original Size: A3

Revision: P01

Application Document Number: TR010032/APP/6.3

Scale: 1:15,000

Drawing title: FRA - Tilbury Modelling Results
Maximum flood velocity
Post-development (with mitigation)
Sheet 14 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01207

Scenario / Flood Estimation Point	Breach TIL005
Return period (years)	1000
Climate change uplift applied (%)	Not applicable
Year	2030

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL005
- Order Limits
- 2D Model domain

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood velocity (m/s)

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	Original Size	Revision
DCO Application	A3	P01

Application Document Number: TR010032/APP/6.3

Scale: 1:15,000

Drawing title: FRA - Tilbury Modelling Results Maximum flood velocity Post-development (with mitigation) Sheet 15 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01208

Scenario / Flood Estimation Point	Breach TIL005
Return period (years)	1000
Climate change uplift applied (%)	Not applicable
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL005
- Order Limits
- 2D Model domain

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood velocity (m/s)

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application
Original Size	A3
Revision	P01
Application Document Number	TR010032/APP/6.3
Scale	1:15,000
Drawing title	FRA - Tilbury Modelling Results Maximum flood velocity Post-development (with mitigation) Sheet 16 of 16
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01209

Scenario / Flood Estimation Point	Breach TIL006
Return period (years)	200
Climate change uplift applied (%)	Not applicable
Year	2030

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL006
- Order Limits
- 2D Model domain

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application | Original Size: A3 | Revision: P01

Application Document Number: TR010032/APP/6.3 | Scale: 1:15,000

Drawing title: FRA - Tilbury Modelling Results
Maximum flood hazard category
Pre-development
Sheet 1 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01210

Scenario / Flood Estimation Point	Breach TIL006
Return period (years)	200
Climate change uplift applied (%)	Not applicable
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL006
- Order Limits
- 2D Model domain

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application	Original Size: A3	Revision: P01
Application Document Number: TR010032/APP/6.3	Scale: 1:15,000	

Drawing title: FRA - Tilbury Modelling Results
Maximum flood hazard category
Pre-development
Sheet 2 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01211

Scenario / Flood Estimation Point	Breach TIL006
Return period (years)	1000
Climate change uplift applied (%)	Not applicable
Year	2030

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL006
- Order Limits
- 2D Model domain

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application
Original Size	A3
Revision	P01
Application Document Number	TR010032/APP/6.3
Scale	1:15,000
Drawing title	FRA - Tilbury Modelling Results Maximum flood hazard category Pre-development Sheet 3 of 16
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01212

Scenario / Flood Estimation Point	Breach TIL006
Return period (years)	1000
Climate change uplift applied (%)	Not applicable
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL006
- Order Limits
- 2D Model domain

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application	Original Size: A3	Revision: P01
Application Document Number: TR010032/APP/6.3	Scale: 1:15,000	

Drawing title: FRA - Tilbury Modelling Results Maximum flood hazard category Pre-development Sheet 4 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01213

Scenario / Flood Estimation Point	Breach TIL006
Return period (years)	200
Climate change uplift applied (%)	Not applicable
Year	2030

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL006
- Order Limits
- 2D Model domain

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application

Original Size: A3

Revision: P01

Application Document Number: TR010032/APP/6.3

Scale: 1:15,000

Drawing title: FRA - Tilbury Modelling Results
Maximum flood hazard category
Post-development (with mitigation)
Sheet 5 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01214

Scenario / Flood Estimation Point	Breach TIL006
Return period (years)	200
Climate change uplift applied (%)	Not applicable
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL006
- Order Limits
- 2D Model domain

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	Original Size	Revision
DCO Application	A3	P01

Application Document Number: TR010032/APP/6.3

Scale: 1:15,000

Drawing title: FRA - Tilbury Modelling Results
Maximum flood hazard category
Post-development (with mitigation)
Sheet 6 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01215

Scenario / Flood Estimation Point	Breach TIL006
Return period (years)	1000
Climate change uplift applied (%)	Not applicable
Year	2030

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL006
- Order Limits
- 2D Model domain

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	Original Size	Revision
DCO Application	A3	P01

Application Document Number: TR010032/APP/6.3

Scale: 1:15,000

Drawing title: FRA - Tilbury Modelling Results
Maximum flood hazard category
Post-development (with mitigation)
Sheet 7 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01216

Scenario / Flood Estimation Point	Breach TIL006
Return period (years)	1000
Climate change uplift applied (%)	Not applicable
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL006
- Order Limits
- 2D Model domain

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	Original Size	Revision
DCO Application	A3	P01

Application Document Number: TR010032/APP/6.3

Scale: 1:15,000

Drawing title: FRA - Tilbury Modelling Results
Maximum flood hazard category
Post-development (with mitigation)
Sheet 8 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01217

Scenario / Flood Estimation Point	Breach TIL005
Return period (years)	200
Climate change uplift applied (%)	Not applicable
Year	2030

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL005
- Order Limits
- 2D Model domain

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	Original Size	Revision
DCO Application	A3	P01

Application Document Number: TR010032/APP/6.3

Scale: 1:15,000

Drawing title: FRA - Tilbury Modelling Results
Maximum flood hazard category
Pre-development
Sheet 9 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01218

Scenario / Flood Estimation Point	Breach TIL005
Return period (years)	200
Climate change uplift applied (%)	Not applicable
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL005
- Order Limits
- 2D Model domain

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application
Original Size	A3
Revision	P01
Application Document Number	TR010032/APP/6.3
Scale	1:15,000
Drawing title	FRA - Tilbury Modelling Results Maximum flood hazard category Pre-development Sheet 10 of 16
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01219

Scenario / Flood Estimation Point	Breach TIL005
Return period (years)	1000
Climate change uplift applied (%)	Not applicable
Year	2030

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL005
- Order Limits
- 2D Model domain

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application		Original Size: A3	Revision: P01
Application Document Number: TR010032/APP/6.3		Scale: 1:15,000	

Drawing title: FRA - Tilbury Modelling Results
Maximum flood hazard category
Pre-development
Sheet 11 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01220

Scenario / Flood Estimation Point	Breach TIL005
Return period (years)	1000
Climate change uplift applied (%)	Not applicable
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL005
- Order Limits
- 2D Model domain

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	Original Size	Revision
DCO Application	A3	P01
Application Document Number: TR010032/APP/6.3	Scale: 1:15,000	

Drawing title: FRA - Tilbury Modelling Results
Maximum flood hazard category
Pre-development
Sheet 12 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01221

Scenario / Flood Estimation Point	Breach TIL005
Return period (years)	200
Climate change uplift applied (%)	Not applicable
Year	2030

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL005
- Order Limits
- 2D Model domain

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	Original Size	Revision
DCO Application	A3	P01

Application Document Number: TR010032/APP/6.3

Scale: 1:15,000

Drawing title: FRA - Tilbury Modelling Results
Maximum flood hazard category
Post-development (with mitigation)
Sheet 13 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01222

Scenario / Flood Estimation Point	Breach TIL005
Return period (years)	200
Climate change uplift applied (%)	Not applicable
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL005
- Order Limits
- 2D Model domain

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

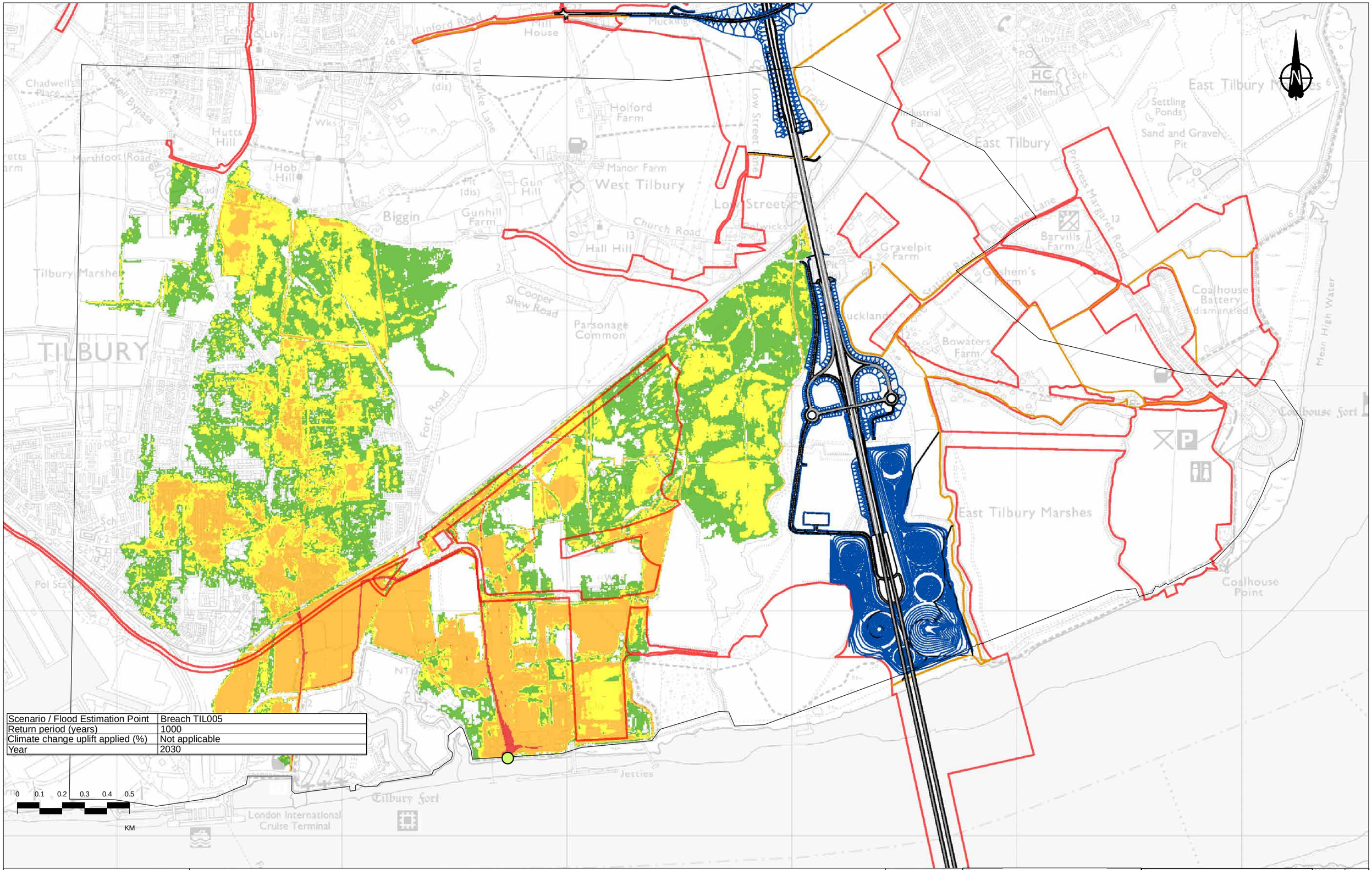
Client: national highways

Project: LOWER THAMES CROSSING

Status	Original Size	Revision
DCO Application	A3	P01
Application Document Number: TR010032/APP/6.3	Scale: 1:15,000	

Drawing title: FRA - Tilbury Modelling Results
Maximum flood hazard category
Post-development (with mitigation)
Sheet 14 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01223



Scenario / Flood Estimation Point	Breach TIL005
Return period (years)	1000
Climate change uplift applied (%)	Not applicable
Year	2030

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Legend

- TIL005
- Order Limits
- 2D Model domain

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- 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	1:15,000

Drawing title: FRA - Tilbury Modelling Results
Maximum flood hazard category
Post-development (with mitigation)
Sheet 15 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01224

Scenario / Flood Estimation Point	Breach TIL005
Return period (years)	1000
Climate change uplift applied (%)	Not applicable
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL005
- Order Limits
- 2D Model domain

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Maximum flood hazard category

- Very low hazard
- Danger for some
- Danger for most
- Danger for all

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	Original Size	Revision
DCO Application	A3	P01
Application Document Number: TR010032/APP/6.3	Scale: 1:15,000	

Drawing title: FRA - Tilbury Modelling Results
Maximum flood hazard category
Post-development (with mitigation)
Sheet 16 of 16

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01225

Scenario / Flood Estimation Point	Breach TIL006
Return period (years)	200
Climate change uplift applied (%)	Not applicable
Year	2030

0 0.1 0.2 0.3 0.4 0.5

KM

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	04/11/2022	DCO Application	KK	RB	BF

Legend

- TIL006
- 2D Model domain
- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application
Original Size	A3
Revision	P01
Application Document Number	TR010032/APP/6.3
Scale	1:15,000

Drawing title: FRA - Tilbury Modelling Results
Difference in maximum flood depth
Post-(with mitigation) minus pre-development
Sheet 1 of 4

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01226

Scenario / Flood Estimation Point	Breach TIL006
Return period (years)	200
Climate change uplift applied (%)	Not applicable
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Appr'd
P01	S8	04/11/2022	DCO Application	KK	RB	BF

Legend

- TIL006
- 2D Model domain
- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application | Original Size: A3 | Revision: P01

Application Document Number: TR010032/APP/6.3 | Scale: 1:15,000

Drawing title: FRA - Tilbury Modelling Results
Difference in maximum flood depth
Post-(with mitigation) minus pre-development
Sheet 2 of 4

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01227

Scenario / Flood Estimation Point	Breach TIL005
Return period (years)	200
Climate change uplift applied (%)	Not applicable
Year	2030

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL005
- 2D Model domain
- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	04/11/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application | Original Size: A3 | Revision: P01

Application Document Number: TR010032/APP/6.3 | Scale: 1:15,000

Drawing title: FRA - Tilbury Modelling Results
Difference in maximum flood depth
Post-(with mitigation) minus pre-development
Sheet 3 of 4

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01228

Scenario / Flood Estimation Point	Breach TIL005
Return period (years)	200
Climate change uplift applied (%)	Not applicable
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	04/11/2022	DCO Application	KK	RB	BF

Legend

- TIL005
- 2D Model domain
- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint
- Order Limits

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Flood depth difference (m)

- < -1.0
- -1.0 - -0.5
- -0.5 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.02
- -0.02 - -0.01
- -0.01 - 0.01
- 0.01 - 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1.0

Client: national highways

Project: LOWER THAMES CROSSING

Status	Original Size	Revision
DCO Application	A3	P01

Application Document Number: TR010032/APP/6.3

Scale: 1:15,000

Drawing title: FRA - Tilbury Modelling Results
Difference in maximum flood depth
Post-(with mitigation) minus pre-development
Sheet 4 of 4

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01229

Scenario / Flood Estimation Point	Breach TIL006
Return period (years)	200
Climate change uplift applied (%)	Not applicable
Year	2030

0 0.1 0.2 0.3 0.4 0.5

KM

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Legend

- TIL006
- Order Limits
- 2D Model domain
- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Difference in maximum flood hazard category

- Degree of hazard increased by 4 category
- Degree of hazard increased by 3 category
- Degree of hazard increased by 2 category
- Degree of hazard increased by 1 category
- No change on degree of hazard
- Degree of hazard decreased by 1 category
- Degree of hazard decreased by 2 category
- Degree of hazard decreased by 3 category
- Degree of hazard decreased by 4 category

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application | Original Size: A3 | Revision: P01

Application Document Number: TR010032/APP/6.3 | Scale: 1:15,000

Drawing title: FRA - Tilbury Modelling Results
Difference in maximum flood hazard category
Post-(with mitigation) minus pre-development
Sheet 1 of 4

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01230

Scenario / Flood Estimation Point	Breach TIL006
Return period (years)	200
Climate change uplift applied (%)	Not applicable
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Legend

- TIL006
- Order Limits
- 2D Model domain
- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Difference in maximum flood hazard category

- Degree of hazard increased by 4 category
- Degree of hazard increased by 3 category
- Degree of hazard increased by 2 category
- Degree of hazard increased by 1 category
- No change on degree of hazard
- Degree of hazard decreased by 1 category
- Degree of hazard decreased by 2 category
- Degree of hazard decreased by 3 category
- Degree of hazard decreased by 4 category

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application | Original Size: A3 | Revision: P01

Application Document Number: TR010032/APP/6.3 | Scale: 1:15,000

Drawing title: FRA - Tilbury Modelling Results
Difference in maximum flood hazard category
Post-(with mitigation) minus pre-development
Sheet 2 of 4

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01231

Scenario / Flood Estimation Point	Breach TIL005
Return period (years)	200
Climate change uplift applied (%)	Not applicable
Year	2030

0 0.1 0.2 0.3 0.4 0.5

KM

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Legend

- TIL005
- Order Limits
- 2D Model domain
- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Difference in maximum flood hazard category

- Degree of hazard increased by 4 category
- Degree of hazard increased by 3 category
- Degree of hazard increased by 2 category
- Degree of hazard increased by 1 category
- No change on degree of hazard
- Degree of hazard decreased by 1 category
- Degree of hazard decreased by 2 category
- Degree of hazard decreased by 3 category
- Degree of hazard decreased by 4 category

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application | Original Size: A3 | Revision: P01

Application Document Number: TR010032/APP/6.3 | Scale: 1:15,000

Drawing title: FRA - Tilbury Modelling Results
Difference in maximum flood hazard category
Post-(with mitigation) minus pre-development
Sheet 3 of 4

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01232

Scenario / Flood Estimation Point	Breach TIL005
Return period (years)	200
Climate change uplift applied (%)	Not applicable
Year	2130

0 0.1 0.2 0.3 0.4 0.5

KM

Legend

- TIL005
- Order Limits
- 2D Model domain
- 1D Channel
- 1D Channel diversions
- Compensation area
- Existing reservoir infilled
- Revised reservoir footprint

Proposed LTC alignment

- Alignment
- Earthworks
- NMU Routes

Difference in maximum flood hazard category

- Degree of hazard increased by 4 category
- Degree of hazard increased by 3 category
- Degree of hazard increased by 2 category
- Degree of hazard increased by 1 category
- No change on degree of hazard
- Degree of hazard decreased by 1 category
- Degree of hazard decreased by 2 category
- Degree of hazard decreased by 3 category
- Degree of hazard decreased by 4 category

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01	S8	02/08/2022	DCO Application	KK	RB	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application | Original Size: A3 | Revision: P01

Application Document Number: TR010032/APP/6.3 | Scale: 1:15,000

Drawing title: FRA - Tilbury Modelling Results
Difference in maximum flood hazard category
Post-(with mitigation) minus pre-development
Sheet 4 of 4

Drawing number: HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-01233

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