

Lower Thames Crossing
6.2 Environmental Statement
Figure 2.4 - Environmental
Masterplan Section 9 (5 of 10)
(Tracked changes version)

APFP Regulation 5(2)(a)

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

Volume 6

DATE: ~~December~~ 2023
DEADLINE: ~~9~~

Deleted: November

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Planning Inspectorate Scheme Ref: TR010032
Application Document Ref: TR010032/APP/6.2

VERSION: ~~6~~.0

Deleted: 5

Revision history

Version	Date	Submitted at
1.0	31 October 2022	DCO Application
2.0	3 August 2023	Deadline 2
3.0	24 August 2023	Deadline 3
4.0	19 September 2023	Deadline 4
5.0	17 November 2023	Deadline 7
<u>6.0</u>	<u>11 December 2023</u>	<u>Deadline 9</u>

Lower Thames Crossing

6.2 Environmental Statement

Figure 2.4 - Environmental Masterplan Section 9 (5 of 10)

(Tracked changes version)

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1 Environmental Masterplan: Section 9

1.1 Schedule of Plans included in this application document

1.2 Section 9 (Sheets 1-24)

Drawing Number and Title	Application Document Ref	Revision
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00001 - Section 9 Overview	TR010032/APP/6.2	P0 4
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00002 - Section 9 Sheet 1	TR010032/APP/6.2	P0 3
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00003 - Section 9 Sheet 2	TR010032/APP/6.2	P0 3
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00004 - Section 9 Sheet 3	TR010032/APP/6.2	P0 3
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00005 - Section 9 Sheet 4	TR010032/APP/6.2	P0 3
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00006 - Section 9 Sheet 5	TR010032/APP/6.2	P0 2
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00007 - Section 9 Sheet 6	TR010032/APP/6.2	P0 2
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00008 - Section 9 Sheet 7	TR010032/APP/6.2	P0 2
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00009 - Section 9 Sheet 8	TR010032/APP/6.2	P0 3
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00010 - Section 9 Sheet 9	TR010032/APP/6.2	P0 2
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00011 - Section 9 Sheet 10	TR010032/APP/6.2	P0 2
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00012 - Section 9 Sheet 11	TR010032/APP/6.2	P0 3

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Drawing Number and Title	Application Document Ref	Revision
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00013 - Section 9 Sheet 12	TR010032/APP/6.2	P0 2
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00014 - Section 9 Sheet 13	TR010032/APP/6.2	P0 2
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00015 - Section 9 Sheet 14	TR010032/APP/6.2	P0 2
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00016 - Section 9 Sheet 15	TR010032/APP/6.2	P0 2
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00017 - Section 9 Sheet 16	TR010032/APP/6.2	P0 2
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00018 - Section 9 Sheet 17	TR010032/APP/6.2	P0 2
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00019 - Section 9 Sheet 18	TR010032/APP/6.2	P0 3
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00020 - Section 9 Sheet 19	TR010032/APP/6.2	P0 2
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00021 - Section 9 Sheet 20	TR010032/APP/6.2	P0 2
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00022 - Section 9 Sheet 21	TR010032/APP/6.2	P0 2
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00023 - Section 9 Sheet 22	TR010032/APP/6.2	P0 2
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00024 - Section 9 Sheet 23	TR010032/APP/6.2	P0 2
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00025 - Section 9 Sheet 24	TR010032/APP/6.2	P0 2

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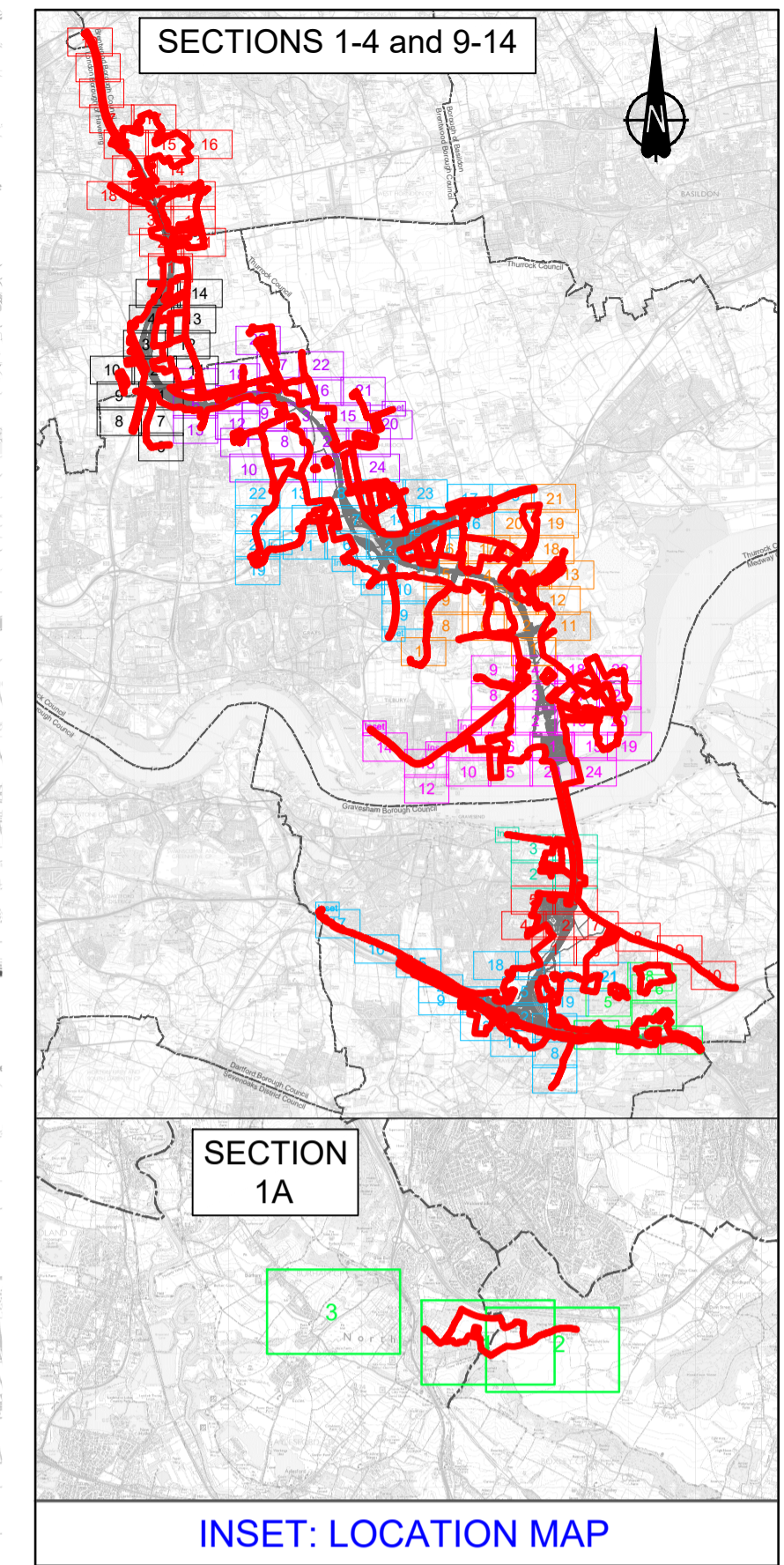
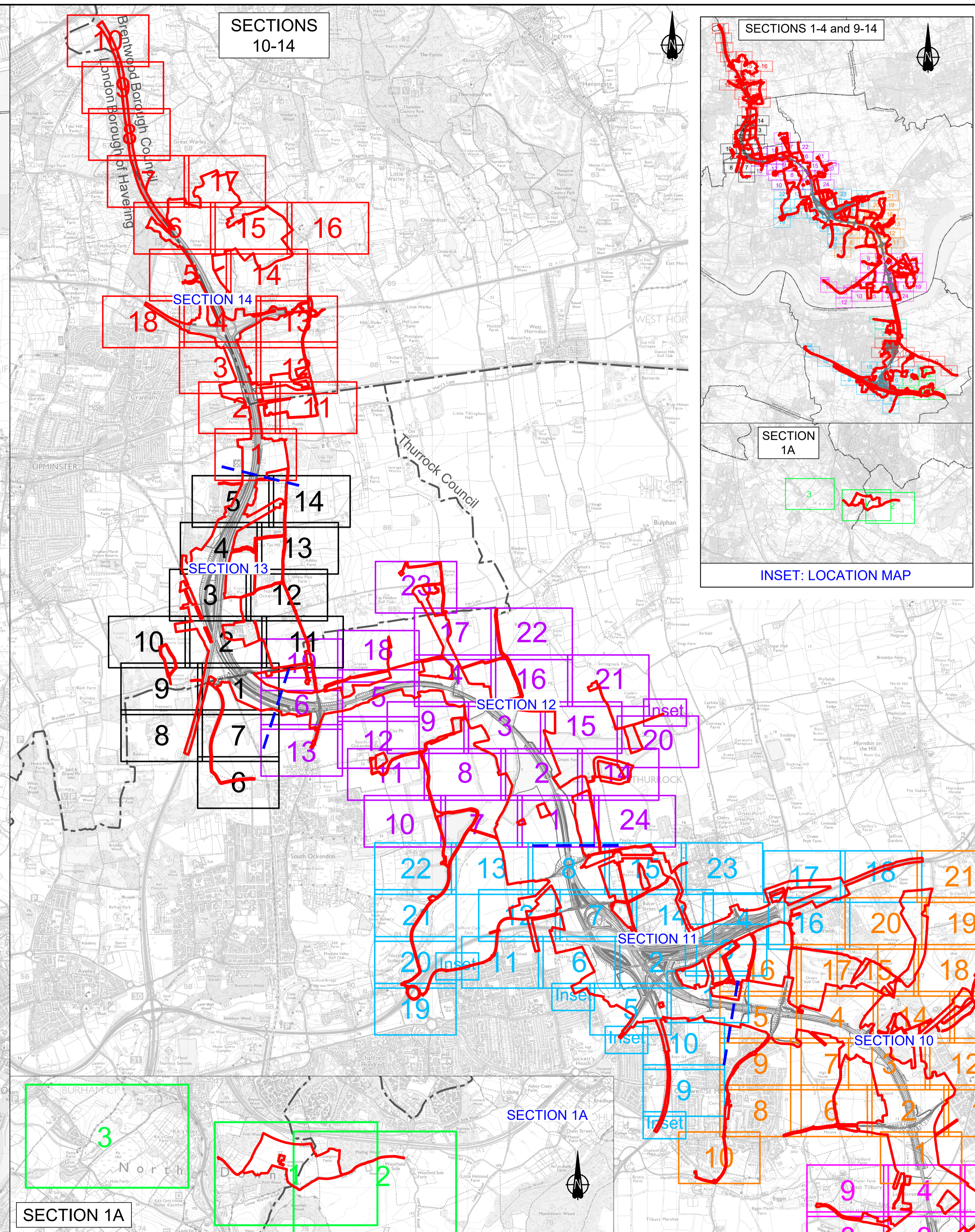
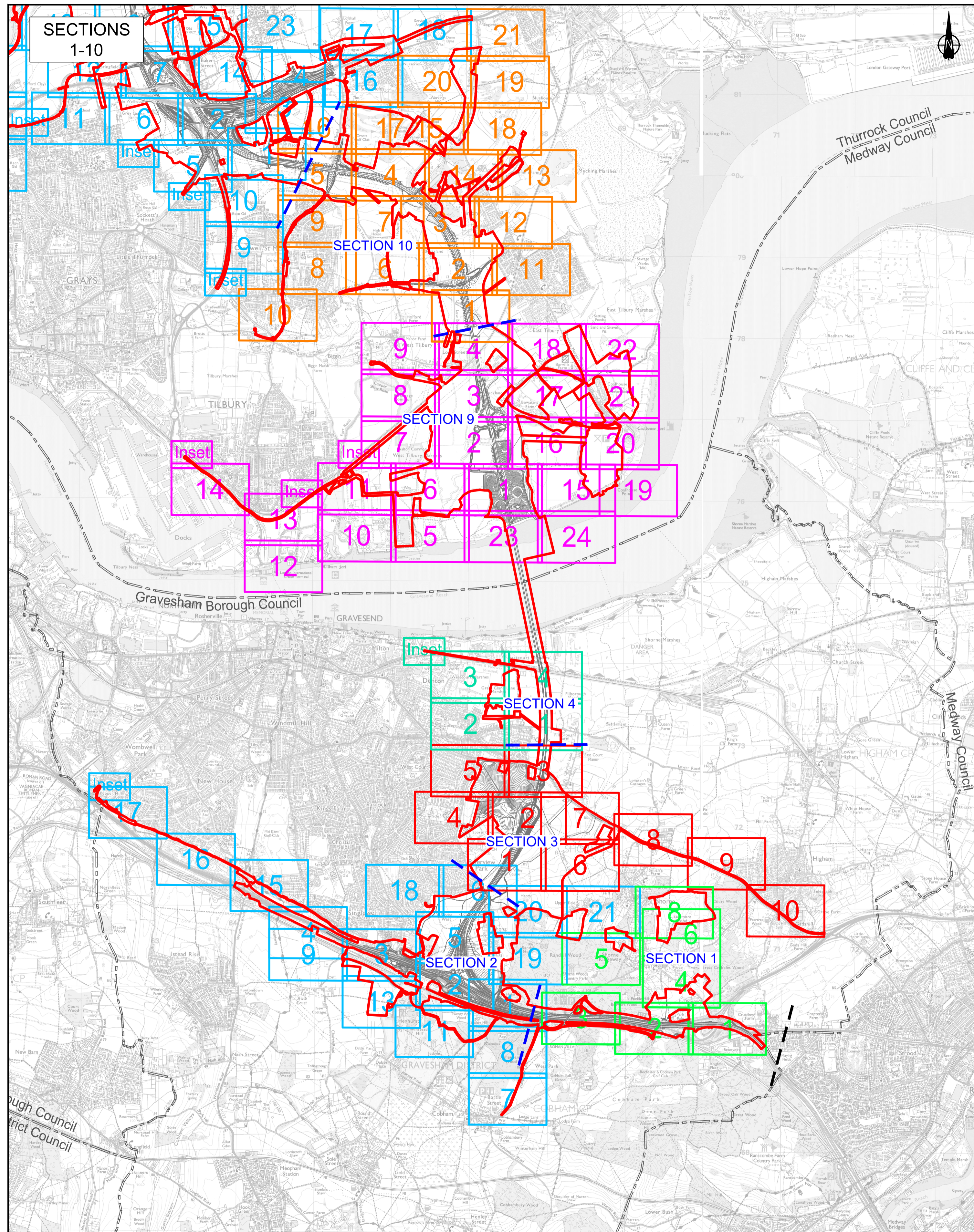
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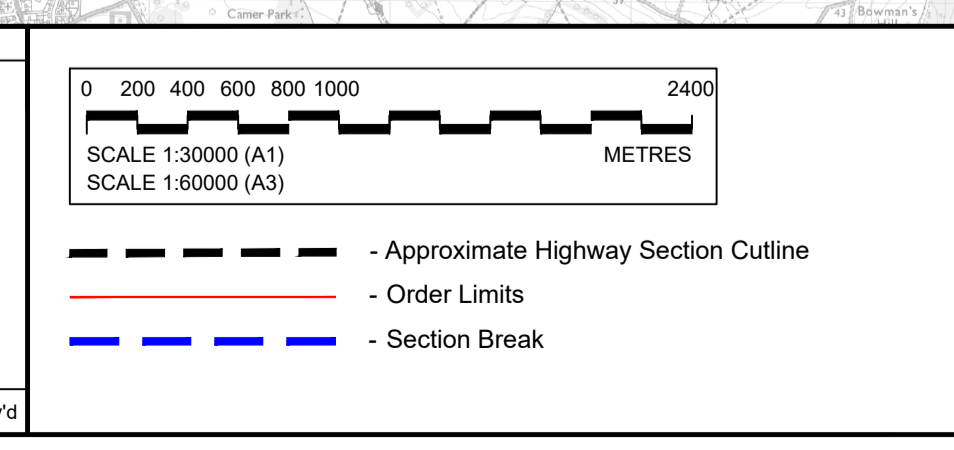
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1.3 Scheme Overview



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01	S2	27/10/2022		LD		
P02	S8	19/09/2023	DEADLINE 4	LD	RO	BF
P03	S8	17/11/2023	DEADLINE 7	GH1	RO	BF
P04	S8	11/12/2023	DEADLINE 9	GH1	RO	BF



Section Layout Key:	
	Section S1 (Sheets 1 - 8)
	Section S2 (Sheets 1 - 21)
	Section S3 (Sheets 1 - 10)
	Section S4 (Sheets 1 - 4)
	Section S5 to S8: Project route in tunnel, therefore no Environmental Masterplan coverage
	Section S9 (Sheets 1 - 24)
	Section S10 (Sheets 1 - 24)
	Section S11 (Sheets 1 - 22)
	Section S12 (Sheets 1 - 24)
	Section S13 (Sheets 1 - 14)
	Section S14 (Sheets 1 - 18)

NOTE: Development of the Project design has resulted in the removal of some sheets forming part of the Environmental Masterplan, where acquisition of land for the Project is no longer required. In this instance, the original sheet numbering has been retained and therefore the sheet numbering shown on this Scheme Overview plan is not always consecutive.

For information, the following sheets have been omitted:

Section 1

- Sheet 7 (HE540039-CJV-EGN-S01_EN000000_Z-DR-ZZ-00008)

Section 2

- Sheet 10 (HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00011)
- Sheet 12 (HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00013)
- Sheet 14 (HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00015)

Client

Project

LOWER THAMES CROSSING

Status	DCO Examination	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P04
Drawing title	ENVIRONMENTAL MASTERPLAN SCHEME OVERVIEW		
Drawing Number	HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00002		

1.4 Environmental Masterplan Legend

EXISTING FEATURES

General Features

- Existing WCH Route
- Overhead Power Lines

Environmental Features

- Retained Woodland, Trees and Hedges (within Order Limits)
- Retained Woodland, Trees and Hedges (outside Order Limits)
- Waterbodies / Ponds
- Watercourses
- Tree Preservation Orders Area
- Individual Tree Preservation Orders
- Veteran Tree

PROPOSED PROJECT FEATURES

- Order Limits
- Permanent Acquisition of Land

General Project Features

- Existing Overhead Power Lines to be Removed
- Indicative Diverted and Modified Overhead Power Lines
- Proposed / Improved WCH Route
- Diverted / Redesignated WCH Route
- Proposed Carriageway
- Proposed Retaining Wall
- Proposed Cutting
- Proposed Embankment
- Proposed False Cutting Earthwork (up to 4m height above carriageway level typically at 1(v) 4(h) gradient)
- Proposed Watercourse Diversion
- Proposed Attenuation Ponds
- Proposed Highway Estate Boundary Fencing
- Reinstated HS1 'Meshed' Fencing
- Proposed Security Fencing (incorporating highway boundary fence)
- Proposed Fencing Gates
- Proposed Tunnel Portal Building Outline (sub-surface)
- Proposed Highway Lighting and Gantry
- Proposed Green Bridge
- Proposed Traveller Site Replacement

General Project Features cont.

- Proposed Replacement Open Space
- Proposed Replacement Common Land
- Proposed Recreational Sites

PROPOSED LANDSCAPE ELEMENTS

Grassland (LE 1)

- LE 1.3 Species Rich Grassland
- LE 1.31 Species Rich Chalk Grassland
- LE 1.32 Species Rich Annual Wildflower Grassland
- LE 1.4 Rock and Scree

Planting (LE 2)

- LE 2.1 Woodland
- LE 2.11 Woodland With Non-Native Species
- LE 2.14 Wet / Carr Woodland
- LE 2.2 Woodland Edge
- LE 2.22 Scrub Woodland
- LE 2.4 Linear Belt of Shrubs and Trees
- LE 2.5 Shrubs With Intermittent Trees
- LE 2.7 Scattered Trees
- LE 2.8 Scrub / Scattered Scrub

Hedges (LE 4)

- LE 4.3 Native Species Hedge (untrimmed)
- LE 4.4 Native Hedgerow With Trees

Individual Trees (LE 5)

- LE 5.1 Individual Trees

Wetland Habitats (LE 6)

- LE 6.11 Water Bodies – Standing Water
- LE 6.12 Water Bodies and Associated Plants – Shallow Scrape Habitat
- LE 6.2 Banks and Ditches
- LE 6.21 Banks and Ditches – High Tide Roost Features
- LE 6.4 Wet Grassland

General Project Features cont.

- LE 6.41 Marsh and Wet Grassland – Coastal Grazing Marsh
- LE 7.2 Green Roof
- LE 7.3 Car Park
- LE 7.4 Reinforced Earth Bund

Ecological Habitats (LE 8)

- LE 8.1 Open Mosaic Habitat
- LE 8.2 Ancient Woodland Compensation Planting
- LE 8.3 Woodland Mitigation Planting
- LE 8.4 Wetland / Fenland Creation
- LE 8.5 Ecology Pond (Indicative symbol only)
- LE 8.6 Acid Grassland Soil Salvage
- LE 8.7 Nitrogen Deposition (NDEP) Compensation Area

Earthworks

- Proposed Contours

PROPOSED ENVIRONMENTAL ELEMENTS

Noise (E 1)

- E 1.2 Acoustic Barrier-Built Elements (typically incorporating highway boundary fence)

Water (E 2)

- Flood Compensation Areas (E2-FCA)
- Flood Defence (E2-FD)

Ecological (E 3)

- E 3.2 Ecological Habitat Creation and Receptor Sites for Protected Species
- E 3.2 Ecological Protection Measures – Dormouse Boxes
- E 3.2 Ecological Protection Measures – Bat / Bird Boxes
- E 3.2 Ecological Protection Measures – Ecological Culvert
- E 3.2 Ecological Protection Measures – Bat Barn Block
- E 3.2 Ecological Protection Measures – Ecological Fencing (incorporating highway boundary fence)

NOTES:

Land Reinstatement

The Environmental Masterplan is intended to show the permanent landscaping and environmental mitigation features that are embedded in the operational design. Land temporarily impacted by construction would be reinstated to its former condition and composition upon completion, as far as reasonably practicable and as provided for in DCO Article 35, unless otherwise shown in the Environmental Masterplan.

WCH Terminology and Route Information

The term 'WCH Routes' (which includes Public Rights of Way) refers to routes for walkers, cyclists and horse riders and is used in the broad sense within the Environmental Masterplan to refer to routes intended for at least one (but not necessarily more than one) of those users. For further information, please refer to the Rights of Way and Access Plans (Application Document 2.7) and the draft Development Consent Order (Application Document 3.1).

Veteran Trees

Veteran trees shown on the Environmental Masterplan include those identified in the Ancient Tree Inventory and project-identified potential ancient or veteran trees.

Outline Landscape and Ecological Management Plan

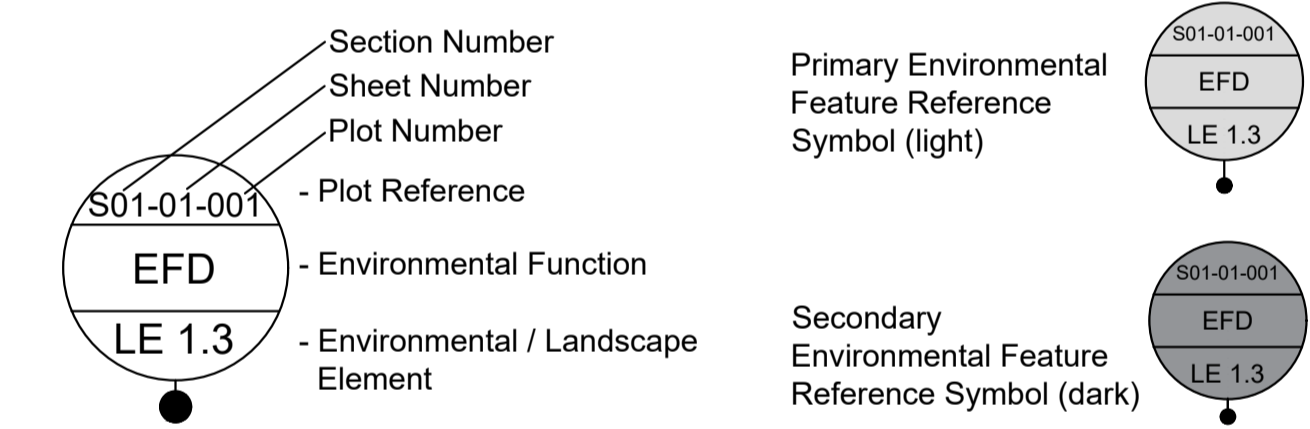
The outline Landscape and Ecology Management Plan (LEMP) separately sets out the proposed management for the environmental / landscape elements shown on the Environmental Masterplan. The Environment Masterplan secures the spatial extent and location of the environmental / landscape elements detailed within the outline LEMP. The outline LEMP details the management regimes, management expectations and monitoring requirements for the proposals in each land parcel shown on the Environmental Masterplan. It focuses on the management requirements for land parcels to be permanently acquired within the Order Limits and which perform specific landscape and ecological mitigation functions for the Project. For further detail regarding management requirements and principles, please refer to the outline LEMP (Application Document 6.7).

Existing WCH Routes

Existing WCH route information is based on Local Authority data. For further details, please refer to the relevant Local Authority Definitive Public Right of Way Map and Statement.

Environmental Feature Reference Symbol

An Environmental Feature Reference Symbol is provided for each environmental / landscape element. This contains a Plot Reference, the Environmental Function and the specific Landscape / Environmental Element. The Plot Reference is unique to each element labelled, and comprises the Section number, Sheet number and unique Plot number. Additional Environmental Feature Reference Symbols have been attributed to elements which span more than one page. The differences between the initial (Primary) Environmental Feature Reference Symbol and any additional (Secondary) versions are shown below.



Environmental Functions (EF)

- EFA Visual Screening
- EFB Landscape Integration
- EFC Enhancing the Built Environment
- EFD Nature Conservation and Biodiversity
- EFE Visual Amenity
- EFF Heritage
- EFG Auditory Amenity
- EFH Water Quality
- EFJ Agricultural / Highway Boundary
- EFK Access

Project Design Report

For further detail on the Landscape Design and Special Category Land shown within these plans, as well as the associated background and approach, please refer to the Project Design Report, Volume 2 Book of Plans, and Design Principles document (Application Documents 7.4, 6.2 and 7.5 respectively).

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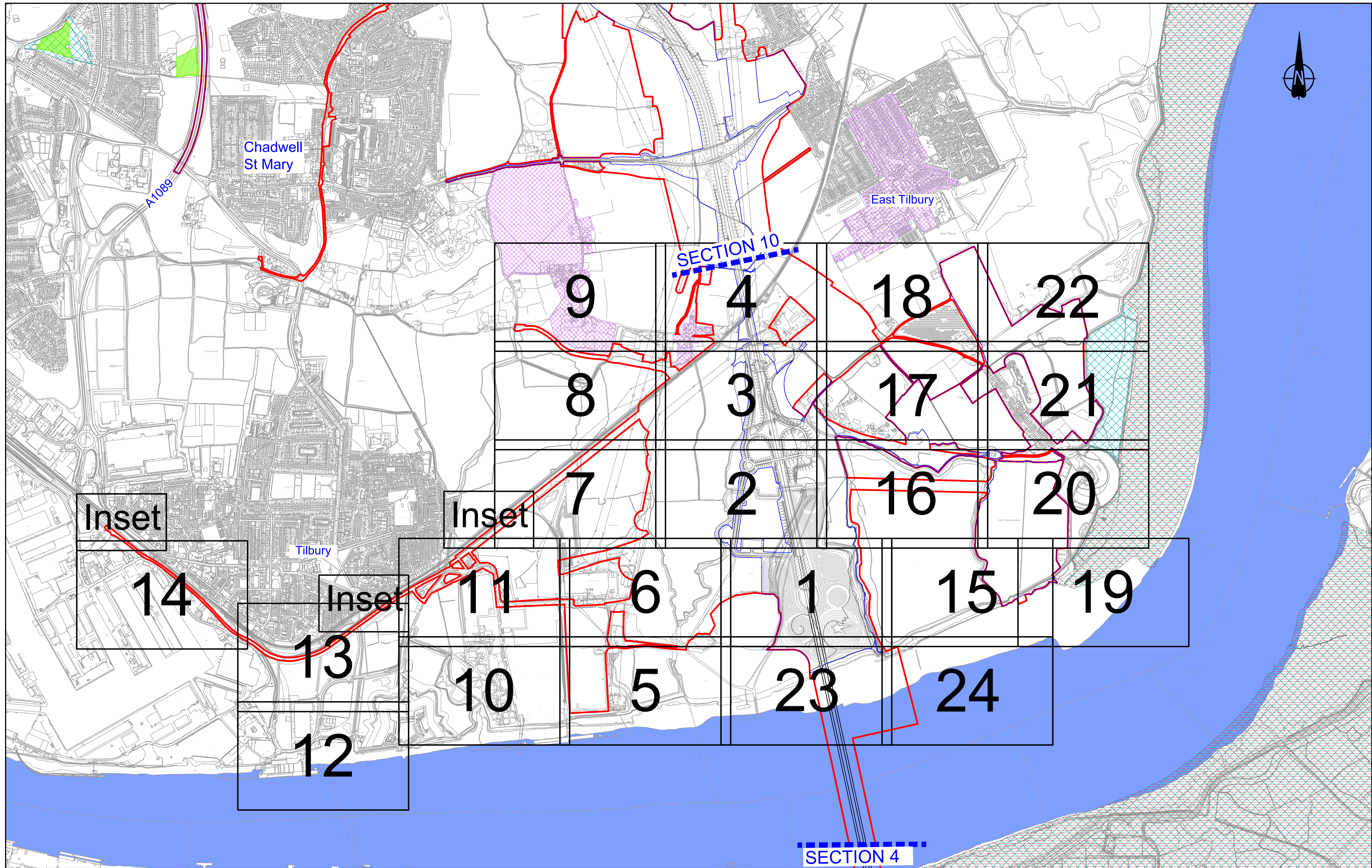
P01	S2	27/10/2022	LD
P02	S8	11/12/2023	Deadline 9 GH1 RO BF
Rev	Status	Rev. Date	Purpose of revision
			Drawn
			Check'd
			Apprv'd

Client:

Project: LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	AS SHOWN		
Drawing title	ENVIRONMENTAL MASTERPLAN LEGEND				
Drawing Number	HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001				

1.5 Section 9



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SCALE 1:10000 (A3)
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P02	S8	13/11/2023	Deadline 4	LD	RO	BF
P03	S8	14/11/2023	Deadline 7	GH1	RO	BB
P04	S8	11/12/2023	Deadline 9	GH1	RO	BF

Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd

LEGEND

Order Limits	Permanent Acquisition of Land	Registered Parks and Gardens
Area of Outstanding National Beauty (AONB)	Site of Special Scientific Interest (SSSI)	Ramsar Sites
Site of Special Scientific Interest (SSSI)	Ancient Woodland	Conservation Area

Client

Project **LOWER THAMES CROSSING**

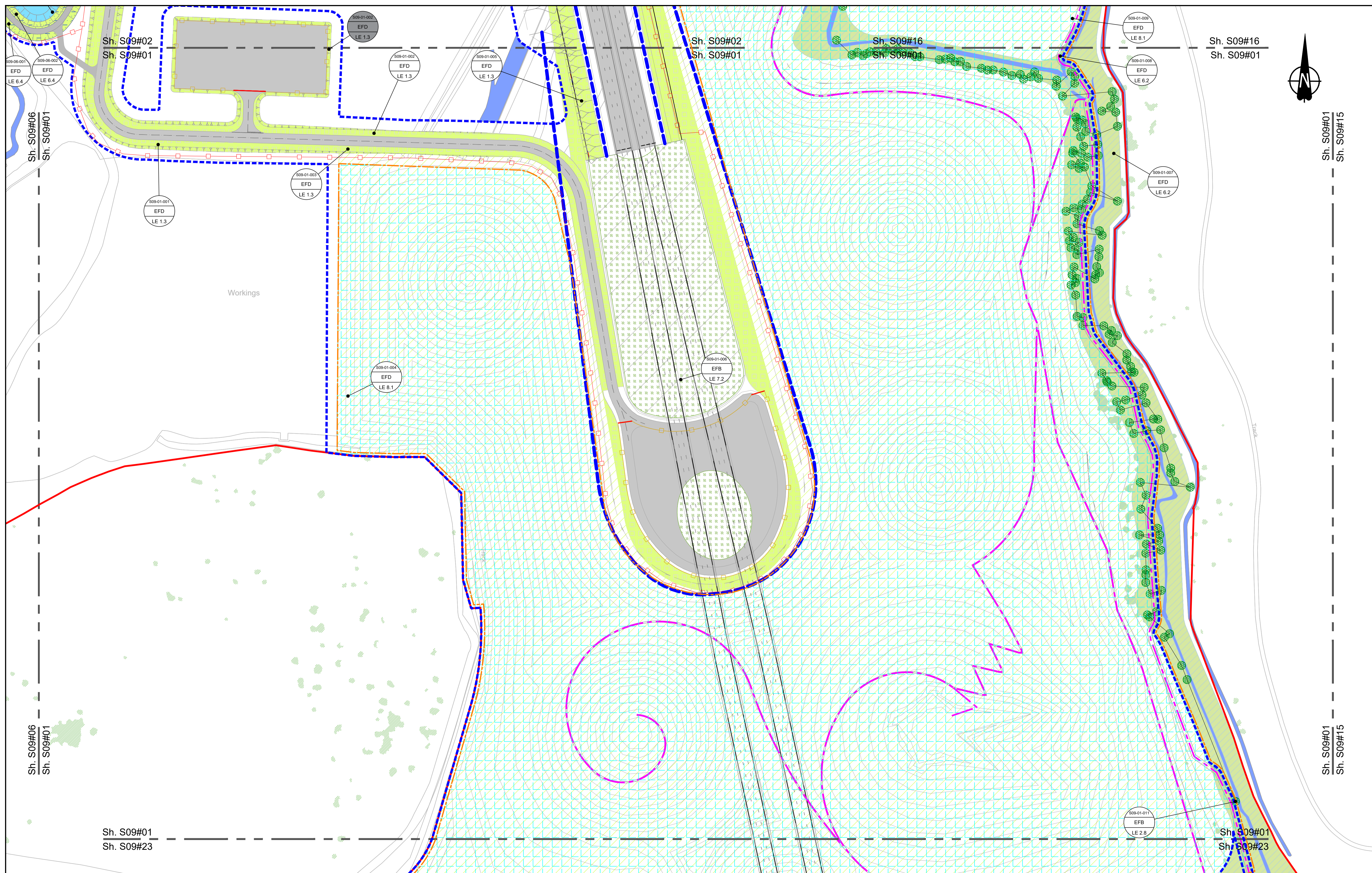
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Application Document Number **TR010032/APP/6.2**

Drawing title **ENVIRONMENTAL MASTERPLAN OVERVIEW PLAN SECTION 9**

Drawing Number **HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00001**

Original Size **A1** | Revision **P04**
Scale **AS SHOWN**



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SCALE 1:2500 (A3)

Section Overview Sheet: Refer to section overview plan at the start of the section.

P01	S2	25/10/2022	LD		
P02	S8	19/09/2023	Deadline 4	LD	RO BF
P03	S8	11/12/2023	Deadline 9	GH1	RO BF

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd
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Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001)

Order Limits	Planting (LE 2)	LE 2.5 Shrubs With Intermittent Trees
Permanent Acquisition of Land	LE 2.1 Woodland	Individual Trees (LE 5)
Grassland (LE 1)	LE 2.11 Woodland With Non-Native Species	LE 5.1 Individual Trees
LE 1.3 Species Rich Grassland	LE 2.14 Wet / Carr Woodland	Wetland Habitats (LE 6)
LE 1.31 Species Rich Chalk Grassland	LE 2.2 Woodland Edge	LE 6.11 Water Bodies - Standing Water
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.22 Scrub Woodland	LE 6.41 Marsh and Wet Grassland Coastal Grazing Marsh
LE 1.4 Rock and Scree	LE 2.4 Linear Belt of Shrubs and Trees	LE 2.8 Scrub / Scattered Scrub
		LE 2.7 Scattered Trees
		LE 6.12 Water Bodies and Associated Plants - Shallow Scrape
		Hedges (LE 4)
		LE 4.3 Native Species Hedge (untrimmed)
		LE 6.2 Banks and Ditches
		LE 4.4 Native Hedgerow With Trees
		LE 6.21 Banks and Ditches - High Tide Roost Features
		Hard Landscape Features (LE 7)
		LE 6.4 Wet Grassland
		Earthworks
		LE 7.4 Reinforced Earth Bund
		Proposed Contours

LE 8.1 Open Mosaic Habitat	Noise (E 1)	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area
LE 8.2 Ancient Woodland Compensation Planting	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	Ecological (E 3)
LE 8.3 Woodland Mitigation Planting	Water (E 2)	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
LE 8.4 Wetland / Fenland Creation	Flood Compensation Areas (E 2-FCA)	E 3.2 Dormouse Boxes
LE 8.5 Ecology Pond (indicative symbol only)	Flood Defence (E 2-FD)	E 3.2 Bat Boxes
LE 8.6 Acid Grassland Soil Salvage		E 3.2 Ecological Culvert
		E 3.2 Bat Barn Block
		E 3.2 Ecological Fencing (inc. highway boundary fence)
		E 3.2 Barn Owl Box

Client

Project

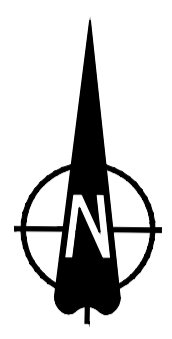
LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P03
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Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00002				

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Sh. S09#03
Sh. S09#02



Sh. S09#07
Sh. S09#02

Sh. S09#03
Sh. S09#02

Sh. S09#16
Sh. S09#02

Sh. S09#07
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Sh. S09#02
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Sh. S09#02
Sh. S09#16

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Section Overview Sheet: Refer to section overview plan at the start of the section.

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P02	S8	19/09/2023	Deadline 4	LD RO BF		
P03	S8	11/12/2023	Deadline 9	GH1 RO BF		
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd

Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

Order Limits	Planting (LE 2)	Individual Trees (LE 5)
Permanent Acquisition of Land	LE 2.1 Woodland	LE 5.1 Individual Trees
Grassland (LE 1)	LE 2.11 Woodland With Non-Native Species	Wetland Habitats (LE 6)
LE 1.3 Species Rich Grassland	LE 2.14 Wet / Carr Woodland	LE 6.1 Marsh and Wet Grassland - Coastal Grazing Marsh
LE 1.31 Species Rich Chalk Grassland	LE 2.2 Woodland Edge	LE 6.11 Water Bodies - Standing Water
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.22 Scrub Woodland	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape
LE 1.4 Rock and Scree	LE 2.4 Linear Belt of Shrubs and Trees	Hedges (LE 4)
		LE 4.3 Native Species Hedge (untrimmed)
		LE 4.4 Native Hedgerow With Trees
		LE 4.5 Strubs With Intermittent Trees
		LE 2.7 Scattered Trees
		LE 2.8 Scrub / Scattered Scrub
		Hard Landscape Features (LE 7)
		LE 7.4 Reinforced Earth Bund
		Earthworks
		Proposed Contours
		LE 6.4 Wet Grassland
		LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh
		LE 6.42 Wetland / Fenland Creation
		LE 6.43 Ecology Pond (indicative symbol only)
		LE 6.44 Acid Grassland Soil Salvage

Ecological (E 1)	Ecological (E 2)	Ecological (E 3)
LE 8.1 Nitrogen Deposition (NDEP) Compensation Area	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
Noise (E 1)	Water (E 2)	E 3.2 Ecological Fencing (inc. highway boundary fence)
E 1.1 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	Flood Compensation Areas (E 2-FCA)	E 3.2 Dormouse Boxes
Water (E 2)	Flood Defence (E 2-FD)	E 3.2 Bat Boxes
Flood Compensation Areas (E 2-FCA)		E 3.2 Bat Blocks
Flood Defence (E 2-FD)		E 3.2 Bat Barn Block
Flood Defence (E 2-FD)		

Client

Project LOWER THAMES CROSSING

Status DCO Examination

Application Document Number TR010032/APP/6.2

Drawing title ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 2

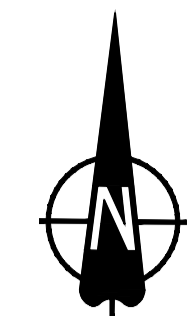
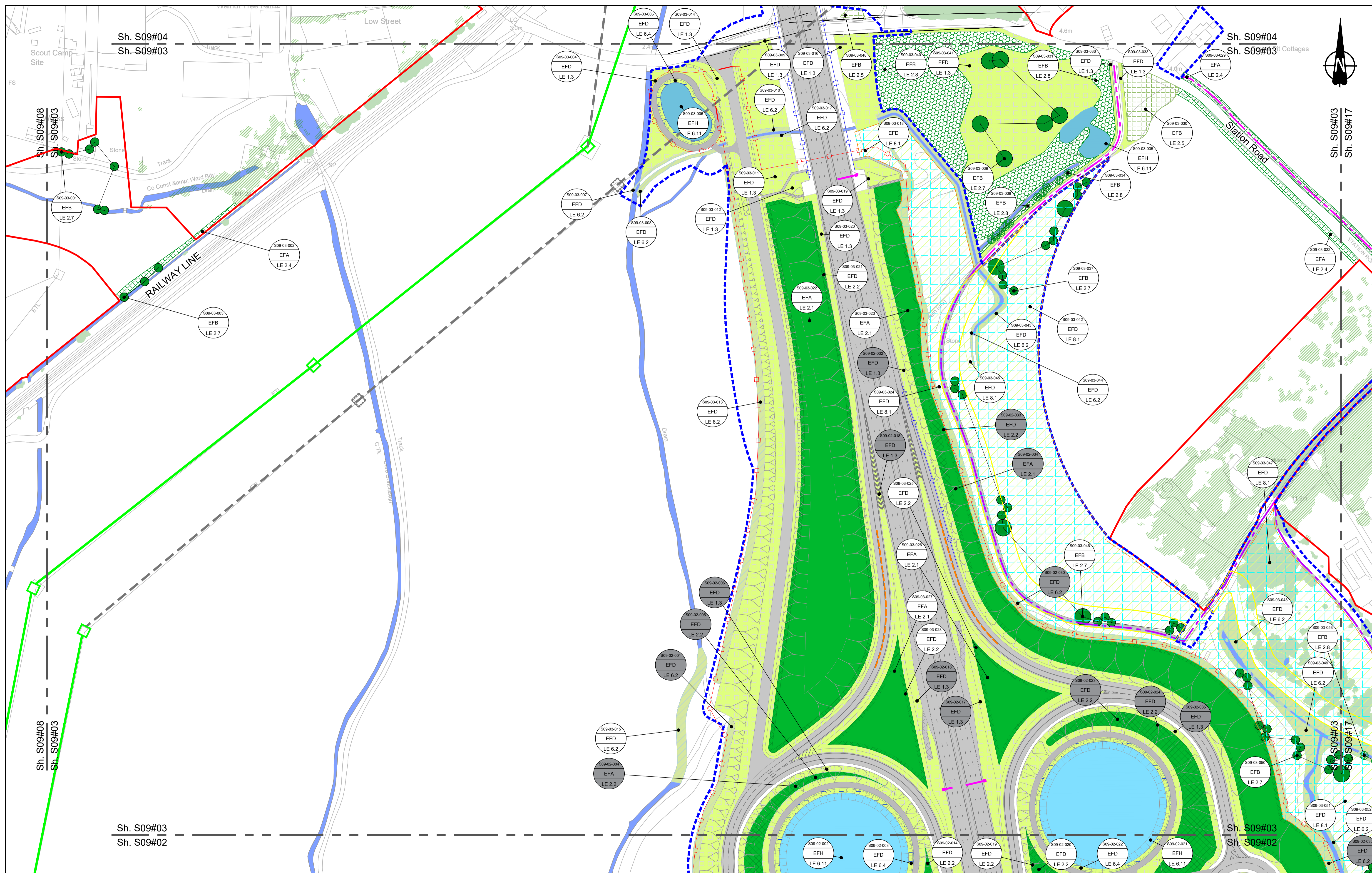
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Original Size A1

Revision P03

Scale 1:1250

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SCALE 1:2500 (A3)										
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P02	S8	19/09/2023	Deadline 4	LD	RO	BF				
P03	S8	11/12/2023	Deadline 9	GH1	RO	BF				
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd				

Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

Order Limits	Planting (LE 2)	Individual Trees (LE 5)
Permanent Acquisition of Land	LE 2.1 Woodland	LE 5.1 Individual Trees
Grassland (LE 1)	LE 2.11 Woodland With Non-Native Species	Wetland Habitats (LE 6)
LE 1.1 Species Rich Grassland	LE 2.14 Wet / Carr Woodland	LE 6.1 Marsh and Wet Grassland - Coastal Grazing Marsh
LE 1.31 Species Rich Chalk Grassland	LE 2.2 Woodland Edge	LE 6.11 Water Bodies - Standing Water
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.22 Scrub Woodland	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape
LE 1.4 Rock and Scree	LE 2.4 Linear Belt of Shrubs and Trees	LE 6.2 Banks and Ditches
	Hedges (LE 4)	LE 6.21 Banks and Ditches - High Tide Roost Features
	LE 4.3 Native Species Hedge (untrimmed)	
	LE 4.4 Native Hedgerow With Trees	Hard Landscape Features (LE 7)
		LE 7.4 Reinforced Earth Bund
		Earthworks
		Proposed Contours

Ecological Habitats (LE 8)	Noise (E 1)	Water (E 2)
LE 8.1 Open Mosaic Habitat	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	LE 2.7 Flood Compensation Areas (E 2-FCAs)
LE 8.2 Ancient Woodland Compensation Planting	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	LE 2.8 Flood Defence (E 2-FD)
LE 8.3 Woodland Mitigation Planting	E 3.2 Ecological Fencing (inc. highway boundary fence)	
LE 8.4 Wetland / Fenland Creation		
LE 8.5 Ecology Pond (indicative symbol only)		
LE 8.6 Acid Grassland Soil Salvage		

Ecological (E 3)	E 3.2 Ecological Fencing (inc. highway boundary fence)
E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species	E 3.2 Ecological Fencing (inc. highway boundary fence)
E 3.2 Dormouse Boxes	E 3.2 Ecological Culvert
E 3.2 Bat Boxes	E 3.2 Bat Barn Block
E 3.2 Bat Boxes	
E 3.2 Ecological Culvert	
E 3.2 Bat Barn Block	

Client:

Project: LOWER THAMES CROSSING

Status: DCO Examination

Application Document Number: TR010032/APP/6.2

Drawing title: ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 3

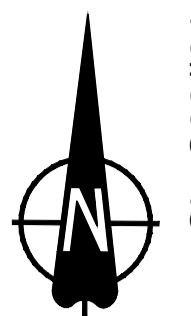
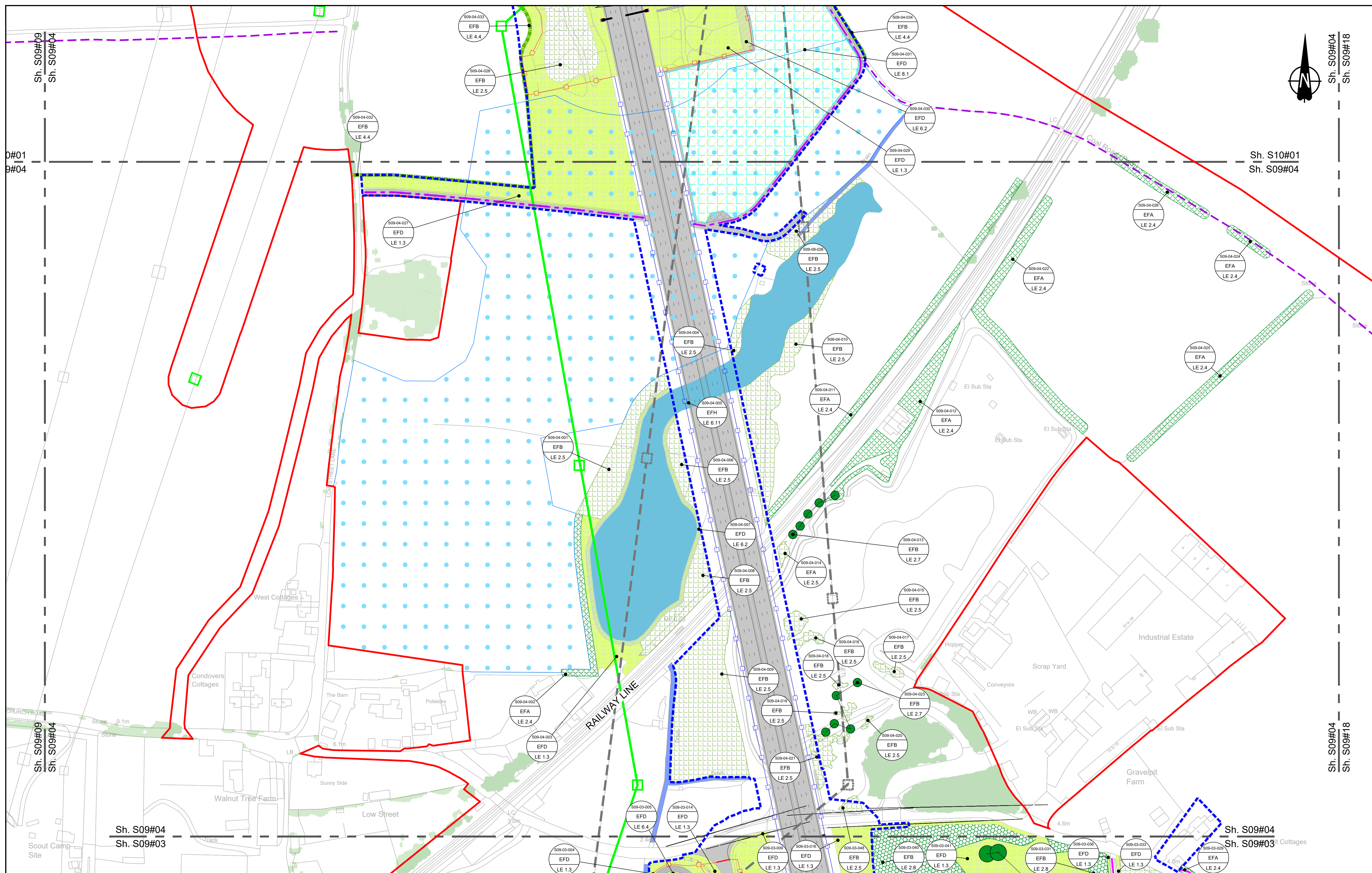
Drawing Number: HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00004

Original Size: A1

Scale: 1:1250

Revision: P03

File Name: HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00004.dwg



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0 10 20 30 40 50 60 70 80 90 100 METRES

SCALE 1:1250 (A1)
SCALE 1:2500 (A3)

Section Overview Sheet. Refer to section overview plan at the start of the section.

P01	S2	25/10/2022	LD			
P02	S8	19/09/2023	Deadline 4	GH1	RO	BF
P03	S8	11/12/2023	Deadline 9	GH1	RO	BF

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd
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Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

Order Limits	Planting (LE 2)	Individual Trees (LE 5)
Permanent Acquisition of Land	LE 2.1 Woodland	LE 5.1 Individual Trees
Grassland (LE 1)	LE 2.11 Woodland With Non-Native Species	Wetland Habitats (LE 6)
LE 1.3 Species Rich Grassland	LE 2.14 Wet / Carr Woodland	LE 6.1 Marsh and Wet Grassland - Coastal Grazing Marsh
LE 1.31 Species Rich Chalk Grassland	LE 2.2 Woodland Edge	LE 6.11 Water Bodies - Standing Water
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.22 Scrub Woodland	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape
LE 1.4 Rock and Scree	LE 2.4 Linear Belt of Shrubs and Trees	Hedges (LE 4)
		LE 4.3 Native Species Hedge (untrimmed)
		LE 4.4 Native Hedgerow With Trees

LE 6.4 Wet Grassland	Hard Landscape Features (LE 7)	Noise (E 1)
LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 7.4 Reinforced Earth Bund	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)
LE 6.42 Ancient Woodland Compensation Planting	Earthworks	Water (E 2)
LE 6.43 Woodland Mitigation Planting	Proposed Contours	E 2.1 Flood Compensation Areas (E 2-FCA)
LE 6.44 Wetland / Fenland Creation	Ecological (E 3)	E 2.2 Flood Defence (E 2-FD)
LE 6.45 Ecology Pond (indicative symbol only)	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species	
LE 6.46 Acid Grassland Soil Salvage	E 3.2 Dormouse Boxes	
	E 3.2 Bat Boxes	
	E 3.2 Ecological Culvert	
	E 3.2 Bat Barn Block	

LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 8.8 Open Mosaic Habitat	
LE 8.9 Ancient Woodland Compensation Planting	
LE 8.10 Woodland Mitigation Planting	
LE 8.11 Wetland / Fenland Creation	
LE 8.12 Ecology Pond (indicative symbol only)	
LE 8.13 Acid Grassland Soil Salvage	

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Examination	Original Size: A1	Revision: P03
Application Document Number: TR010032/APP/6.2	Scale: AS SHOWN	
Drawing title: ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 4		
Drawing Number: HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00005		

HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00005.dwg



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SCALE 1:1250 (A1)
SCALE 1:2500 (A3)

Section Overview Sheet: Refer to section overview plan at the start of the section.

P01	S2	25/10/2022	LD
P02	S8	11/12/2023	Deadline 9
			GH1 RO BF

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
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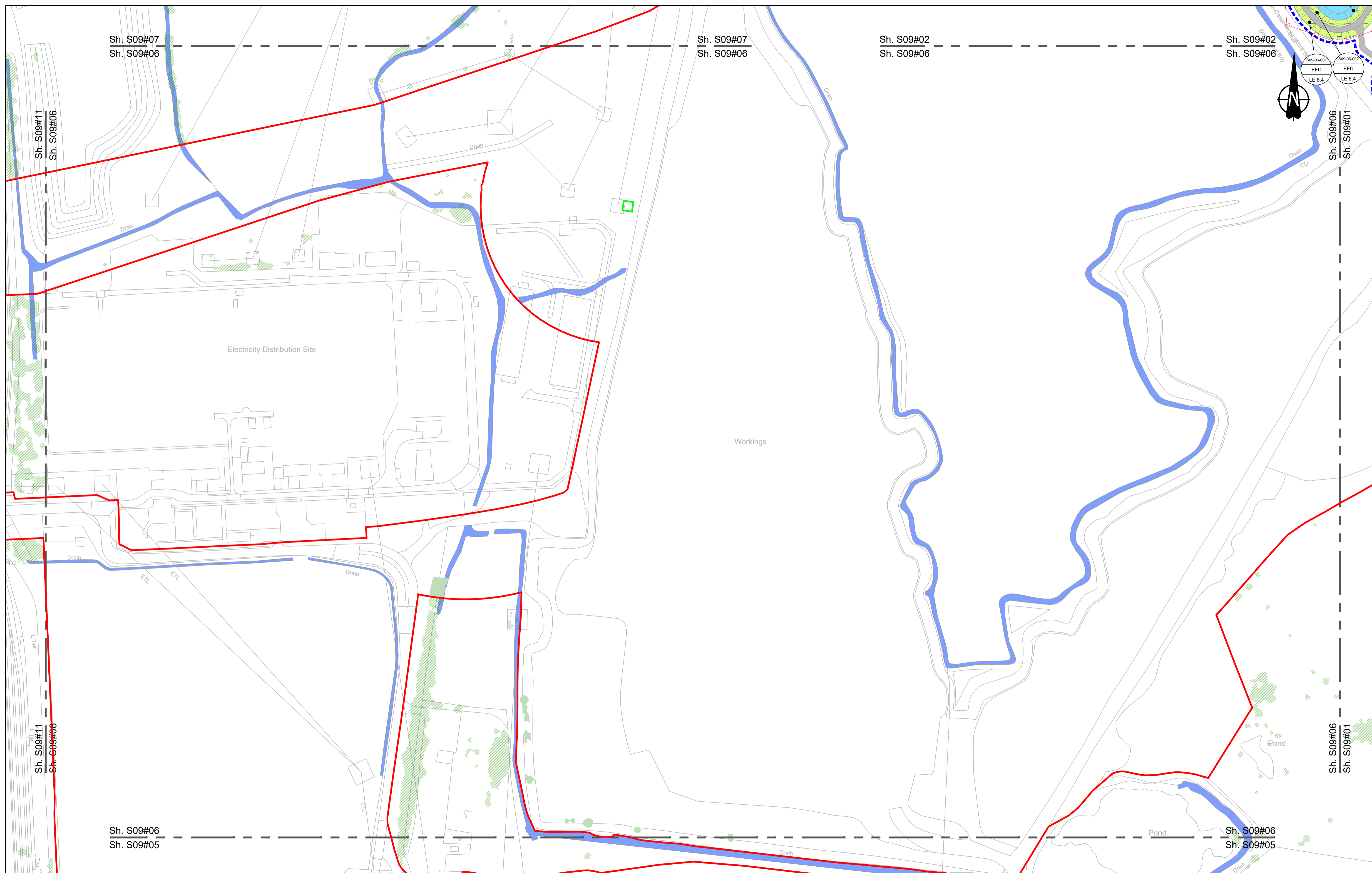
Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZ2_EN000000_Z-DR-ZZ-00001).

Order Limits Order Limits Permanent Acquisition of Land	Grassland (LE 1) LE 1.31 Species Rich Grassland LE 1.32 Species Rich Annual Wildflower Grassland LE 1.4 Rock and Scree	Planting (LE 2) LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species LE 2.14 Wet / Carr Woodland LE 2.2 Woodland Edge LE 2.22 Scrub Woodland LE 2.4 Linear Belt of Shrubs and Trees	Individual Trees (LE 5) LE 5.1 Individual Trees Wetland Habitats (LE 6) LE 6.11 Water Bodies - Standing Water LE 6.12 Water Bodies and Associated Plants - Shallow Scrape LE 6.2 Banks and Ditches LE 6.21 Banks and Ditches - High Tide Root Features LE 2.5 Shrubs With Intermittent Trees LE 2.7 Scattered Trees LE 2.8 Scrub / Scattered Scrub Hedges (LE 4) LE 4.3 Native Species Hedge (untrimmed) LE 4.4 Native Hedgerow With Trees	Wetland Habitats (LE 6) LE 6.4 Marsh and Wet Grassland - Coastal Grazing Marsh Hard Landscape Features (LE 7) LE 7.4 Reinforced Earth Bund Earthworks Proposed Contours	Ecological Habitats (LE 8) LE 8.1 Open Mosaic Habitat LE 8.2 Ancient Woodland Compensation Planting LE 8.3 Woodland Mitigation Planting LE 8.4 Wetland / Fenland Creation LE 8.5 Ecology Pond (indicative symbol only) LE 8.6 Acid Grassland Soil Salvage	Noise (E 1) LE 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence) Water (E 2) LE 2.7 Flood Compensation Areas (E 2-FCA) LE 2.8 Flood Defence (E 2-FD)	Ecological (E 3) E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species E 3.2 Dormouse Boxes E 3.2 Bat Boxes E 3.2 Ecological Culvert E 3.2 Bat Barn Block E 3.2 Barn Owl Box E 3.2 Ecological Fencing (inc. highway boundary fence)
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Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:1250		
Drawing Title	ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 5				
Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00006				



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0 10 20 30 40 50 60 70 80 90 100 METRES

SCALE 1:1250 (A1)
SCALE 1:2500 (A3)

Section Overview Sheet. Refer to section overview plan at the start of the section.

P01	S2	25/10/2022		LD
P02	S8	11/12/2023	Deadline 9	GH1 RO BF
Rev	Status	Rev. Date	Purpose of revision	Drawn Chk'd Apprv'd

Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

Order Limits	Planting (LE 2)	Individual Trees (LE 5)
Permanent Acquisition of Land	LE 2.1 Woodland	LE 5.1 Individual Trees
Grassland (LE 1)	LE 2.11 Woodland With Non-Native Species	Wetland Habitats (LE 6)
LE 1.3 Species Rich Grassland	LE 2.14 Wet / Car Woodland	LE 6.1 Marsh and Wet Grassland Coastal Grazing Marsh
LE 1.31 Species Rich Chalk Grassland	LE 2.2 Woodland Edge	LE 2.8 Scrub / Scattered Scrub
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.22 Scrub Woodland	Hedges (LE 4)
LE 1.4 Rock and Scree	LE 2.4 Linear Belt of Shrubs and Trees	LE 4.3 Native Species Hedge (untimmed)
		LE 4.4 Native Hedgerow With Trees

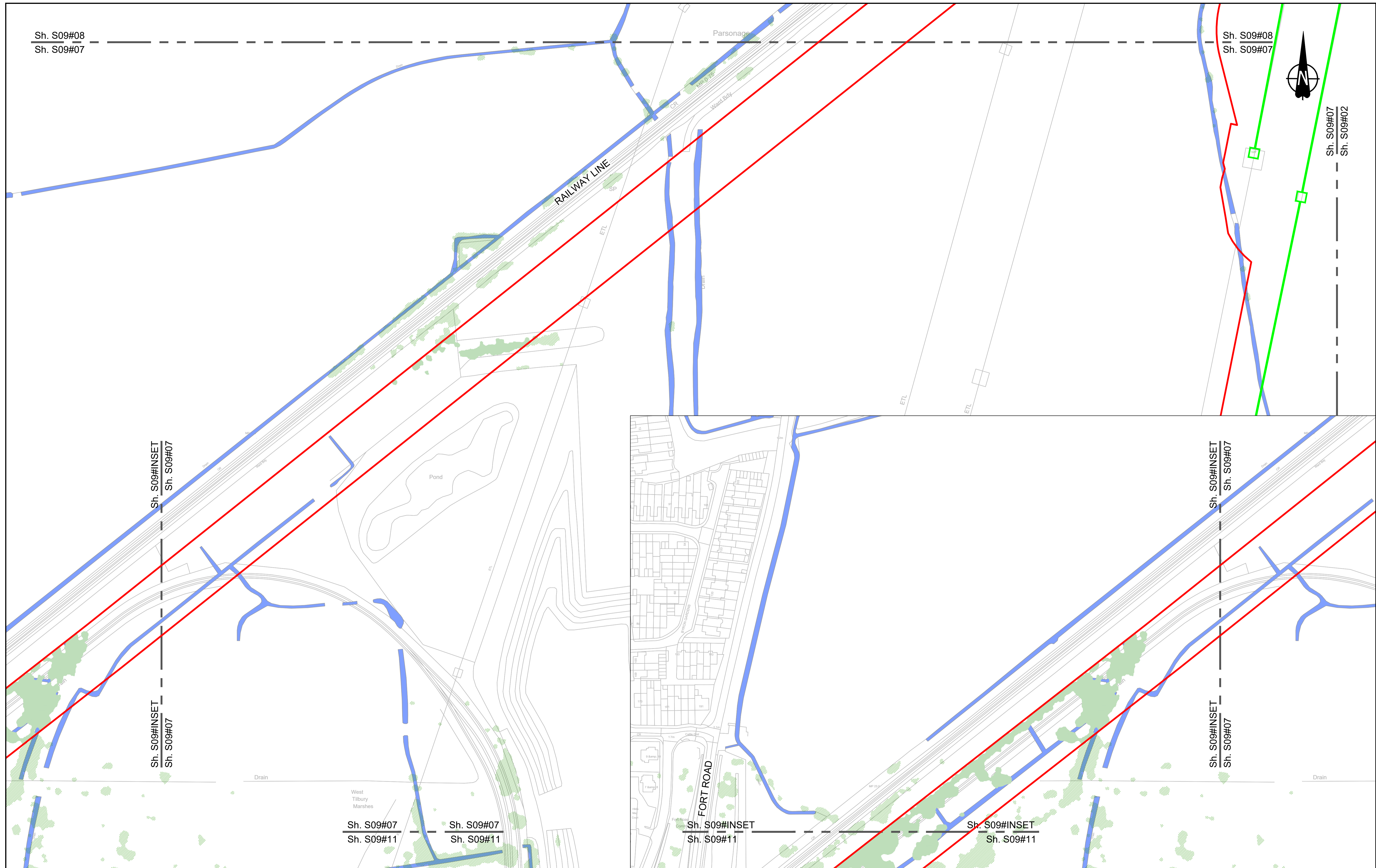
LE 2.5 Shrubs With Intermittent Trees	LE 6.4 Wet Grassland	Ecological Habitats (LE 8)	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area
LE 2.7 Scattered Trees	LE 6.41 Marsh and Wet Grassland Coastal Grazing Marsh	LE 8.1 Open Mosaic Habitat	Noise (E 1)
LE 2.8 Scrub / Scattered Scrub	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape	LE 8.2 Ancient Woodland Compensation Planting	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)
Hedges (LE 4)	LE 6.2 Banks and Ditches	LE 8.3 Woodland Mitigation Planting	Water (E 2)
LE 4.3 Native Species Hedge (untimmed)	LE 6.21 Banks and Ditches - High Tide Root Features	LE 8.4 Wetland / Fenland Creation	Flood Compensation Areas (E 2-FCA)
LE 4.4 Native Hedgerow With Trees	Proposed Contours	LE 8.5 Ecology Pond (indicative symbol only)	Flood Defence (E 2-FD)
		LE 8.6 Acid Grassland Soil Salvage	

Client

Project

LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:1250		
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 6				
Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00007				



Sh. S09#08
Sh. S09#07

Sh. S09#08
Sh. S09#07

Sh. S09#07
Sh. S09#02

Sh. S09#INSET
Sh. S09#07

Sh. S09#INSET
Sh. S09#07

Sh. S09#INSET
Sh. S09#07

Sh. S09#INSET
Sh. S09#07

Sh. S09#07
Sh. S09#11

Sh. S09#07
Sh. S09#11

Sh. S09#INSET
Sh. S09#11

Sh. S09#INSET
Sh. S09#11

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SCALE 1:1250 (A1)
SCALE 1:2500 (A3)
METRES

Section Overview Sheet: Refer to section overview plan at the start of the section.

P01	S2	25/10/2022	LD
P02	S8	11/12/2023	Deadline 9
Rev	Status	Rev. Date	Purpose of revision
Drawn	Chk'd	Apprv'd	

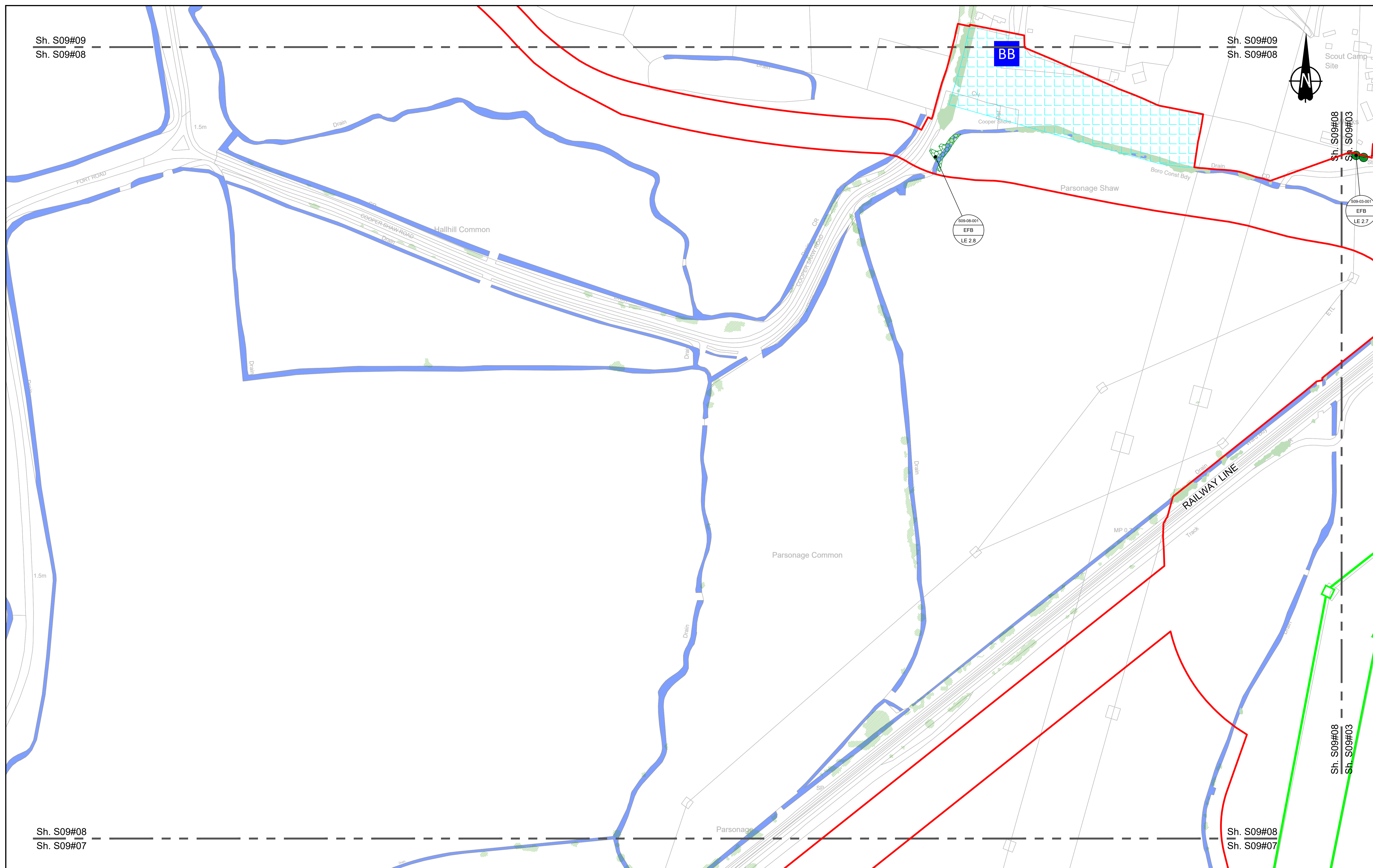
Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

<p>Order Limits</p> <ul style="list-style-type: none"> Permanent Acquisition of Land <p>Grassland (LE 1)</p> <ul style="list-style-type: none"> LE 1.3 Species Rich Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual Wildflower Grassland LE 1.4 Rock and Scree 	<p>Planting (LE 2)</p> <ul style="list-style-type: none"> LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species LE 2.14 Wet / Carr Woodland LE 2.2 Woodland Edge LE 2.22 Scrub Woodland LE 2.4 Linear Belt of Shrubs and Trees <p>Hedges (LE 4)</p> <ul style="list-style-type: none"> LE 4.3 Native Species Hedge (untimmed) LE 4.4 Native Hedgerow With Trees 	<p>Individual Trees (LE 5)</p> <ul style="list-style-type: none"> LE 5.1 Individual Trees <p>Wetland Habitats (LE 6)</p> <ul style="list-style-type: none"> LE 6.11 Water Bodies - Standing Water LE 6.12 Water Bodies and Associated Plants - Shallow Scrape LE 6.2 Banks and Ditches LE 6.21 Banks and Ditches - High Tide Roost Features 	<p>Ecological Habitats (LE 8)</p> <ul style="list-style-type: none"> LE 8.1 Open Mosaic Habitat LE 8.2 Ancient Woodland Compensation Planting LE 8.3 Woodland Mitigation Planting LE 8.4 Wetland / Fenland Creation LE 8.6 Acid Grassland Soil Salvage <p>Hard Landscape Features (LE 7)</p> <ul style="list-style-type: none"> LE 7.4 Reinforced Earth Bund <p>Earthworks</p> <ul style="list-style-type: none"> Proposed Contours 	<p>Noise (E 1)</p> <ul style="list-style-type: none"> LE 8.7 Nitrogen Deposition (NDEP) Compensation Area E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence) Flood Compensation Areas (E 2-FCA) Flood Defence (E 2-FD) <p>Water (E 2)</p> <ul style="list-style-type: none"> LE 8.5 Ecology Pond (indicative symbol only) 	<p>Ecological (E 3)</p> <ul style="list-style-type: none"> E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species E 3.2 Ecological Fencing (inc. highway boundary fence) E 3.2 Ecological Culvert E 3.2 Bat Barn Block
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Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:1250		
Drawing Title	ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 7				
Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00008				



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SCALE 1:1250 (A1)
SCALE 1:2500 (A3)

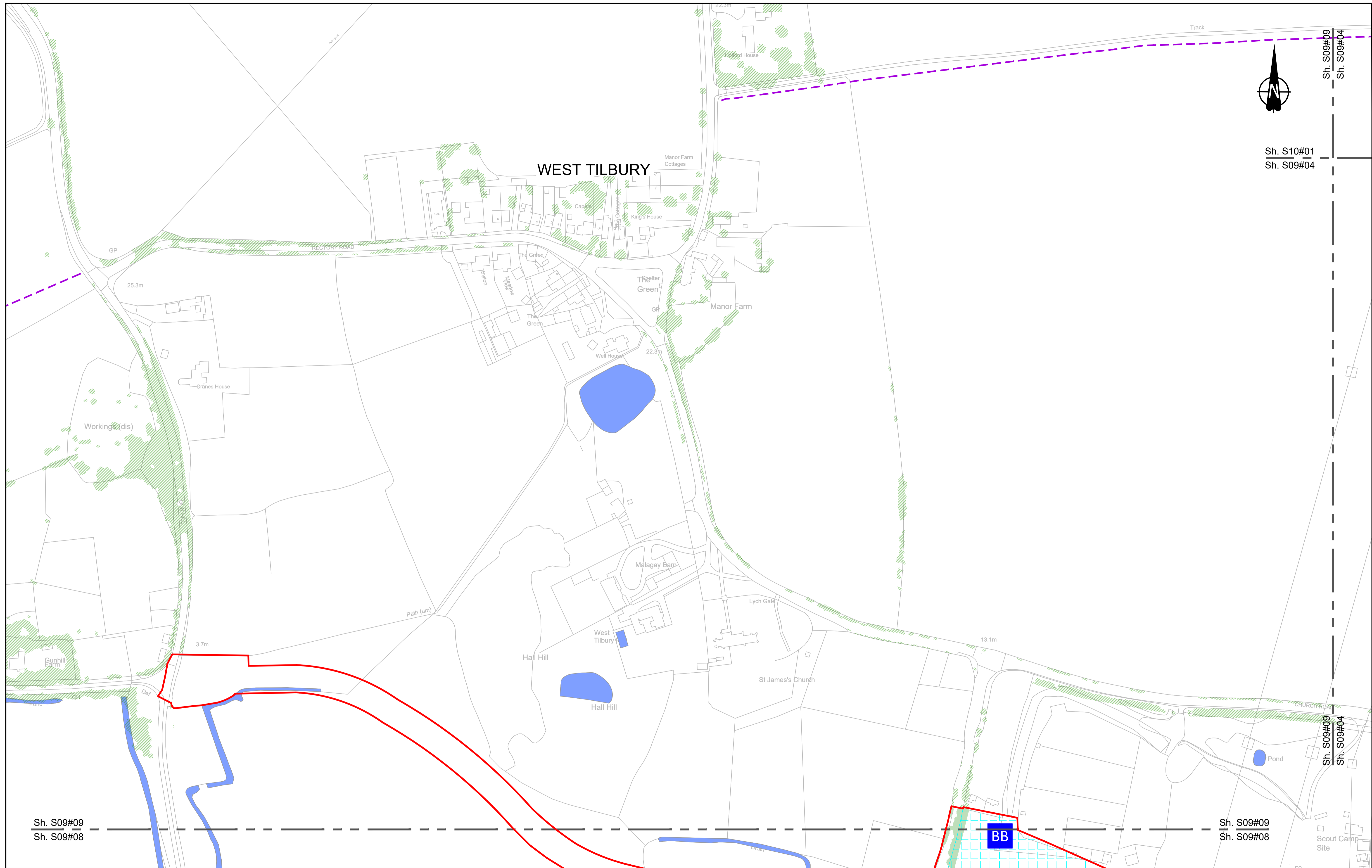
Section Overview Sheet. Refer to section overview plan at the start of the section.

P01	S2	25/10/2022		LD		
P02	S8	19/09/2023	Deadline 4	LD	RO	BF
P03	S8	11/12/2023	Deadline 9	GH1	RO	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

<p>Order Limits</p> <ul style="list-style-type: none"> Order Limits Permanent Acquisition of Land <p>Grassland (LE 1)</p> <ul style="list-style-type: none"> LE 1.3 Species Rich Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual Wildflower Grassland LE 1.4 Rock and Scree 	<p>Planting (LE 2)</p> <ul style="list-style-type: none"> LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species LE 2.14 Wet / Carr Woodland LE 2.2 Woodland Edge LE 2.22 Scrub Woodland LE 2.4 Linear Belt of Shrubs and Trees 	<p>Individual Trees (LE 5)</p> <ul style="list-style-type: none"> LE 5.1 Individual Trees <p>Wetland Habitats (LE 6)</p> <ul style="list-style-type: none"> LE 6.11 Water Bodies - Standing Water LE 6.12 Water Bodies and Associated Plants - Shallow Scrape LE 6.2 Banks and Ditches LE 6.21 Banks and Ditches - High Tide Roost Features <p>Hedges (LE 4)</p> <ul style="list-style-type: none"> LE 4.3 Native Species Hedge (untrimmed) LE 4.4 Native Hedgerow With Trees 	<p>Ecological Habitats (LE 8)</p> <ul style="list-style-type: none"> LE 8.1 Open Mosaic Habitat LE 8.2 Ancient Woodland Compensation Planting LE 8.3 Woodland Mitigation Planting LE 8.4 Wetland / Fenland Creation LE 8.5 Ecology Pond (indicative symbol only) LE 8.6 Acid Grassland Soil Salvage 	<p>Hard Landscape Features (LE 7)</p> <ul style="list-style-type: none"> LE 7.4 Reinforced Earth Bund <p>Earthworks</p> <ul style="list-style-type: none"> Proposed Contours 	<p>Noise (E 1)</p> <ul style="list-style-type: none"> LE 8.7 Nitrogen Deposition (NDEP) Compensation Area E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence) <p>Water (E 2)</p> <ul style="list-style-type: none"> Flood Compensation Areas (E 2-FCA) Flood Defence (E 2-FD) 	<p>Ecological (E 3)</p> <ul style="list-style-type: none"> E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species E 3.2 Dormouse Boxes E 3.2 Bat Boxes E 3.2 Ecological Culvert E 3.2 Bat Barn Block E 3.2 Barn Owl Box E 3.2 Ecological Fencing (inc. highway boundary fence)
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	Client	Status	DCO Examination	Original Size	A1	Revision	P03
	Project	Application Document Number	TR010032/APP/6.2	Scale	1:1250		
<p>LOWER THAMES CROSSING</p>		<p>ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 8</p>		<p>Drawing Number HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00009</p>			
<p>HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00009.dwg</p>							



Sh. S10#01
Sh. S09#04

Sh. S09#09
Sh. S09#04

Sh. S09#09
Sh. S09#04

Sh. S09#09
Sh. S09#08

Sh. S09#09
Sh. S09#08

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0 10 20 30 40 50 60 70 80 90 100 METRES

SCALE 1:1250 (A1)
SCALE 1:2500 (A3)

Section Overview Sheet: Refer to section overview plan at the start of the section.

P01	S2	25/10/2022	LD
P02	S8	11/12/2023	Deadline 9
Rev	Status	Rev. Date	Purpose of revision
			Drawn
			Chkd
			Apprv'd

Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZ_EN000000_Z-DR-ZZ-00001).

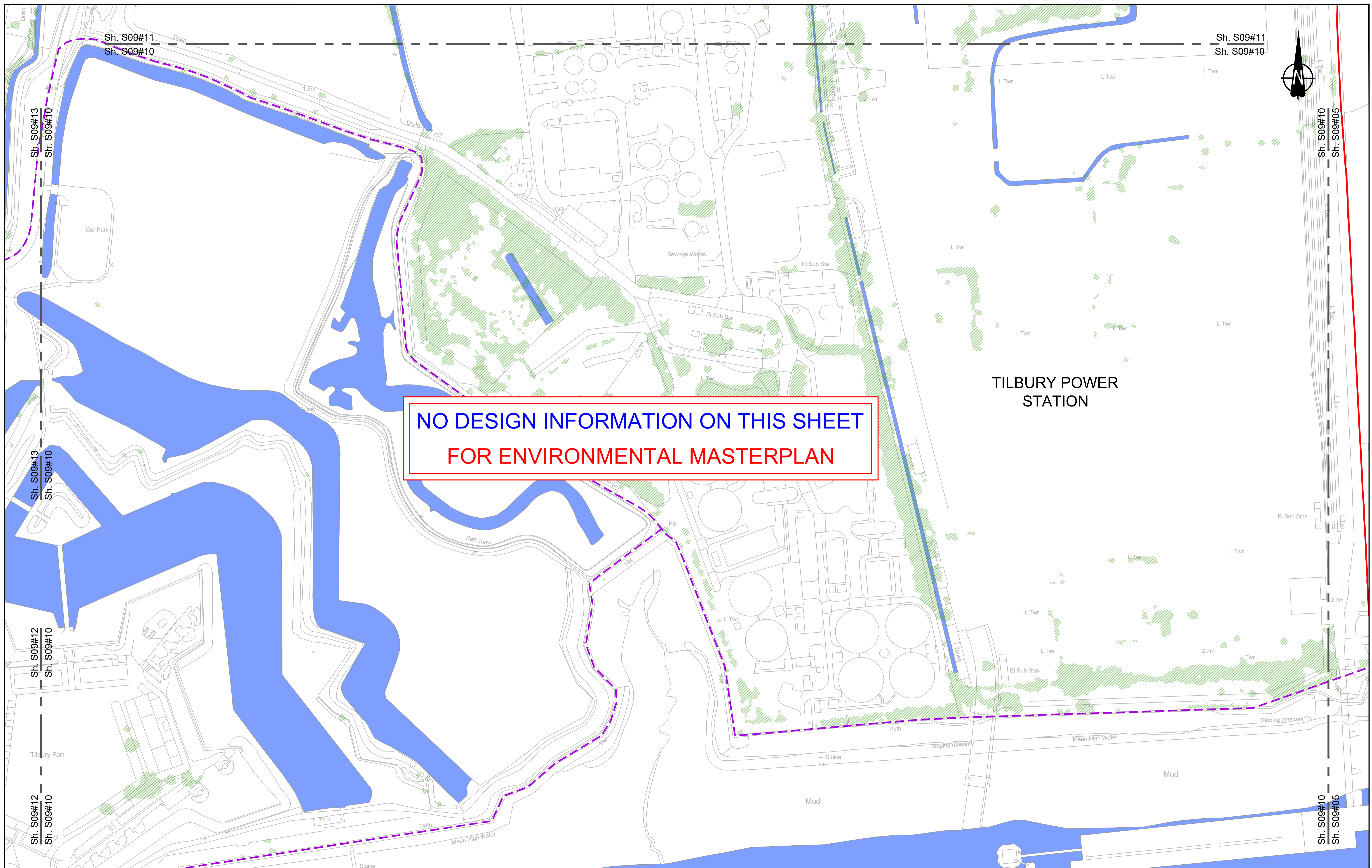
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Client

Project

LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:1250		
Drawing Title	ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 9				
Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00010				



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FOR ENVIRONMENTAL MASTERPLAN

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SCALE 1:1250 (A1)
SCALE 1:2500 (A3)

Section Overview Sheet: Refer to section overview plan at the start of the section.

P01	S2	25/10/2022		LD		
P02	S8	11/12/2023	Deadline 9	GH1 RO BF		
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

Order Limits

- Permanent Acquisition of Land

Grassland (LE 1)

- LE 1.3 Species Rich Grassland
- LE 1.31 Species Rich Chalk Grassland
- LE 1.32 Species Rich Annual Wildflower Grassland
- LE 1.4 Rock and Scree

Planting (LE 2)

- LE 2.1 Woodland
- LE 2.11 Woodland With Non-Native Species
- LE 2.14 Wet / Carr Woodland
- LE 2.2 Woodland Edge
- LE 2.22 Scrub Woodland
- LE 2.4 Linear Belt of Shrubs and Trees

LE 2.5 Shrubs With Intermittent Trees

LE 2.7 Scattered Trees

Hedges (LE 4)

- LE 4.3 Native Species Hedge (untrimmed)
- LE 4.4 Native Hedgerow With Trees

Wetland Habitats (LE 6)

- LE 6.11 Water Bodies - Standing Water
- LE 6.12 Water Bodies and Associated Plants - Shallow Scrape
- LE 6.2 Banks and Ditches
- LE 6.21 Banks and Ditches - High Tide Root Features

Wetland Habitats (LE 6)

- LE 6.4 Marsh and Wet Grassland - Coastal Grazing Marsh
- LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh

Hard Landscape Features (LE 7)

- LE 7.4 Reinforced Earth Bund

Earthworks

- Proposed Contours

Individual Trees (LE 5)

- LE 5.1 Individual Trees

Ecological Habitats (LE 8)

- LE 8.1 Open Mosaic Habitat
- LE 8.2 Ancient Woodland Compensation Planting
- LE 8.3 Woodland Mitigation Planting
- LE 8.4 Wetland / Fenland Creation
- LE 8.5 Ecology Pond (indicative symbol only)
- LE 8.6 Acid Grassland Soil Salvage

Noise (E 1)

- LE 8.7 Nitrogen Deposition (NDEP) Compensation Area
- E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)

Water (E 2)

- Flood Compensation Areas (E 2-FCA)
- Flood Defence (E 2-FD)

Ecological (E 3)

- E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
- E 3.2 Dormouse Boxes
- E 3.2 Bat Boxes
- E 3.2 Ecological Culvert
- E 3.2 Bat Barn Block
- E 3.2 Ecological Fencing (inc. highway boundary fence)
- E 3.2 Barn Owl Box

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Examination

Application Document Number: TR010032/APP/6.2

Scale: 1:1250

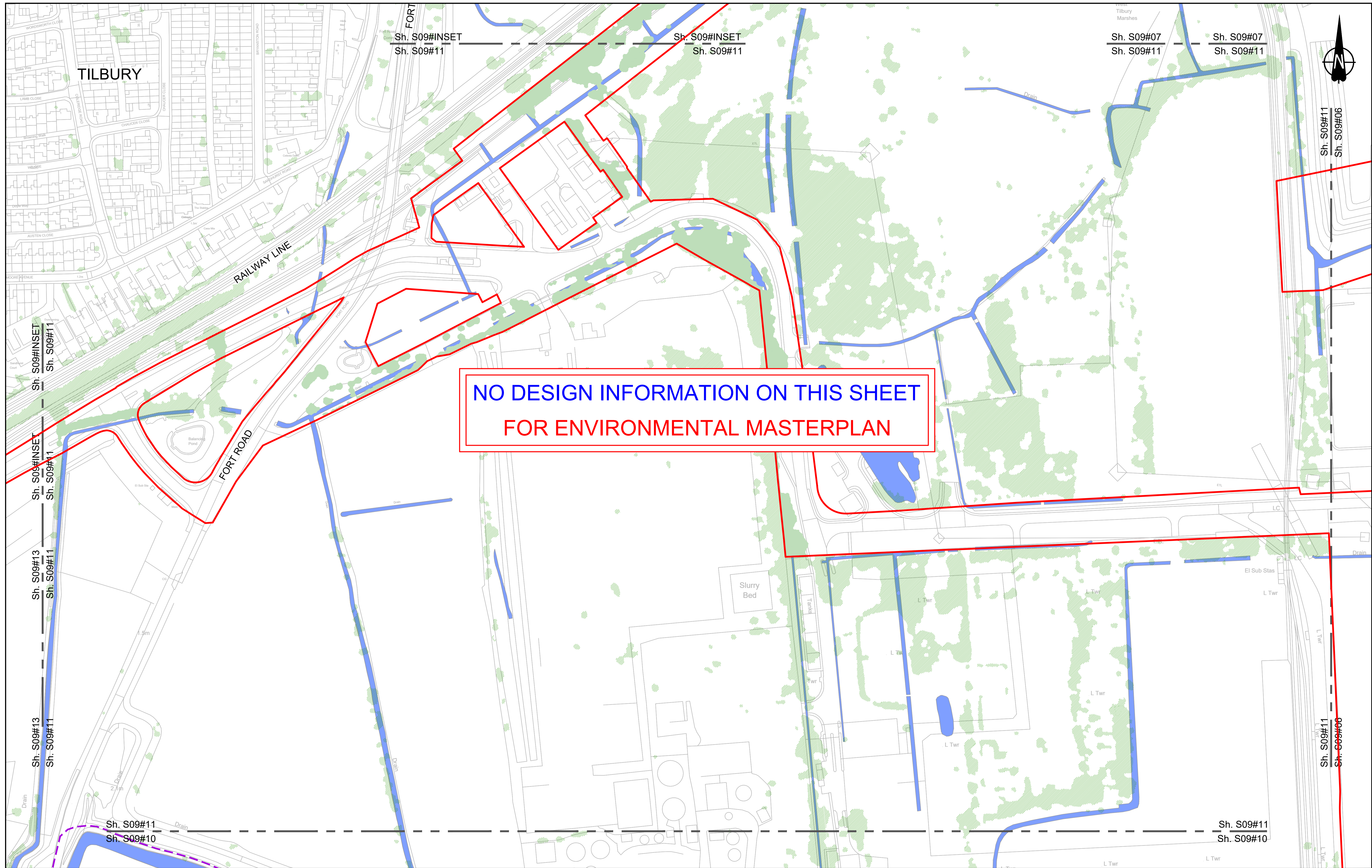
Original Size: A1

Revision: P02

Drawing Title: ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 10

Drawing Number: HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00011

File Name: HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00011.dwg



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FOR ENVIRONMENTAL MASTERPLAN

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0 10 20 30 40 50 60 70 80 90 100
SCALE 1:1250 (A1)
SCALE 1:2500 (A3)
METRES

Section Overview Sheet: Refer to section overview plan at the start of the section.

P01	S2	25/10/2022		LD
P02	S8	17/11/2023	DEADLINE 7	GH1 RO BB
P03	S8	11/12/2023	Deadline 9	GH1 RO BF

Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
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Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

Order Limits	Planting (LE 2)	Individual Trees (LE 5)	Ecological Habitats (LE 8)	Ecological (E 3)
Permanent Acquisition of Land	LE 2.1 Woodland	LE 5.1 Individual Trees	LE 8.1 Open Mosaic Habitat	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
Grassland (LE 1)	LE 2.11 Woodland With Non-Native Species	LE 5.2 Scattered Trees	LE 8.2 Ancient Woodland Compensation Planting	E 3.2 Dormouse Boxes
LE 1.3 Species Rich Grassland	LE 2.14 Wet / Carr Woodland	LE 5.3 Wetland Habitats (LE 6)	LE 8.3 Woodland Mitigation Planting	E 3.2 Bat Boxes
LE 1.31 Species Rich Chalk Grassland	LE 2.2 Woodland Edge	LE 6.1 Water Bodies - Standing Water	LE 8.4 Wetland / Fenland Creation	E 3.2 Ecological Culvert
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.22 Scrub Woodland	LE 6.12 Water Bodies and Associated Plants - Shallow Scapes	LE 8.5 Ecology Pond (indicative symbol only)	E 3.2 Bat Barn Block
LE 1.4 Rock and Scree	LE 2.4 Linear Belt of Shrubs and Trees	LE 6.2 Banks and Ditches	LE 8.6 Acid Grassland Soil Salvage	
	LE 4.3 Native Species Hedge (untrimsed)	LE 6.21 Banks and Ditches - High Tide Root Features		
	LE 4.4 Native Hedgerow With Trees	LE 7.4 Reinforced Earth Bund		
		Earthworks		
		Proposed Contours		
		LE 8.7 Nitrogen Deposition (NDEP) Compensation Area		
		LE 8.8 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)		
		LE 8.9 Flood Compensation Areas (E 2-FCA)		
		LE 8.10 Flood Defence (E 2-FD)		
		LE 8.11 Ecological Fencing (inc. highway boundary fence)		
		LE 8.12 Ecological Fencing (inc. highway boundary fence)		

Client: national highways

Project: LOWER THAMES CROSSING

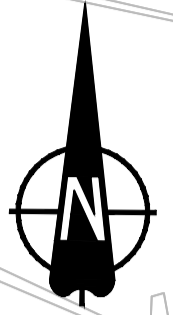
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Application Document Number	TR010032/APP/6.2	Scale	1:1250		
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 11				
Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00012				

Sh. S09#13
Sh. S09#12

Sh. S09#13
Sh. S09#12

A1089

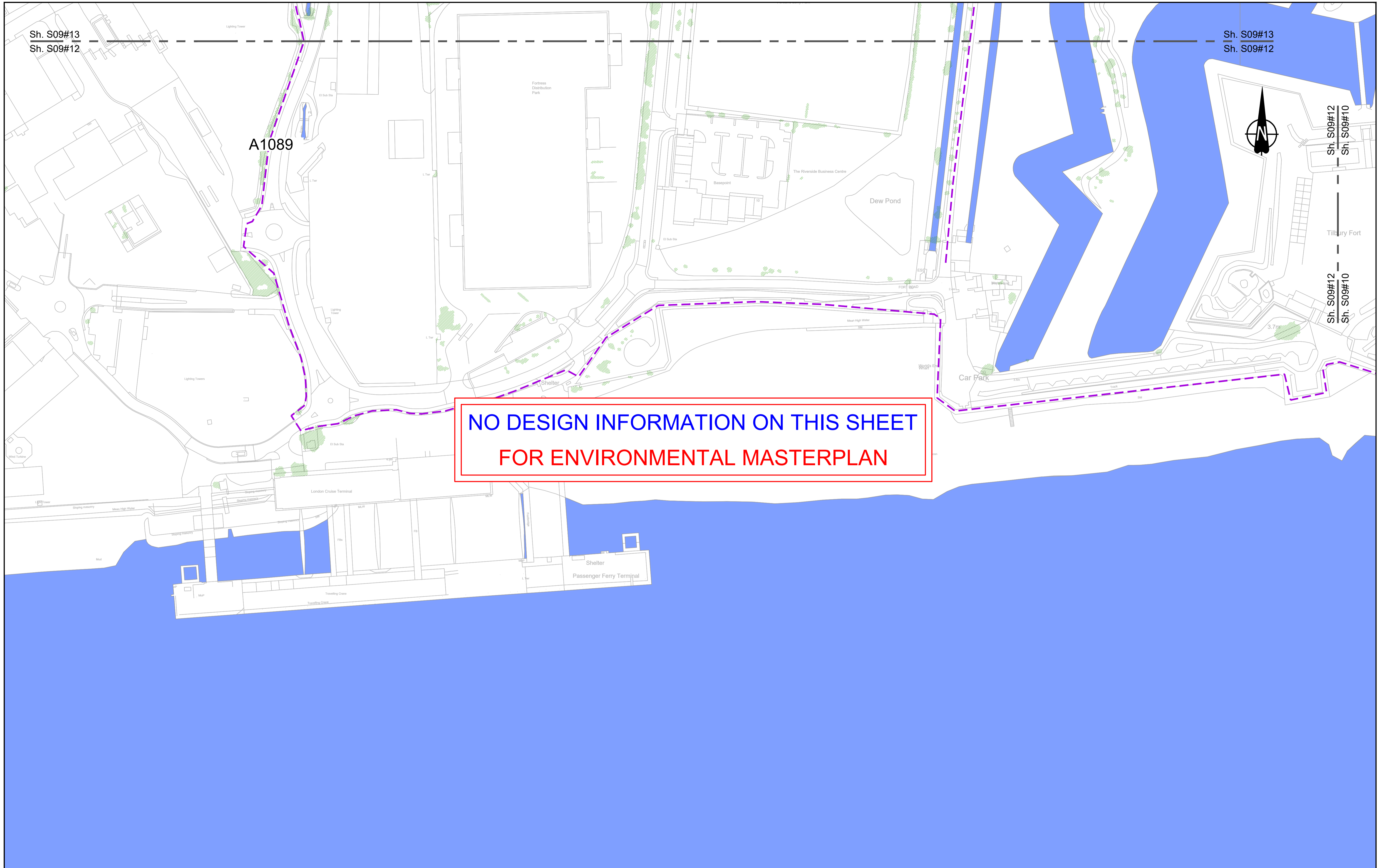
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FOR ENVIRONMENTAL MASTERPLAN**



Sh. S09#12
Sh. S09#10

Sh. S09#12
Sh. S09#10

Tilbury Fort



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SCALE 1:1250 (A1)
SCALE 1:2500 (A3)

Section Overview Sheet: Refer to section overview plan at the start of the section.

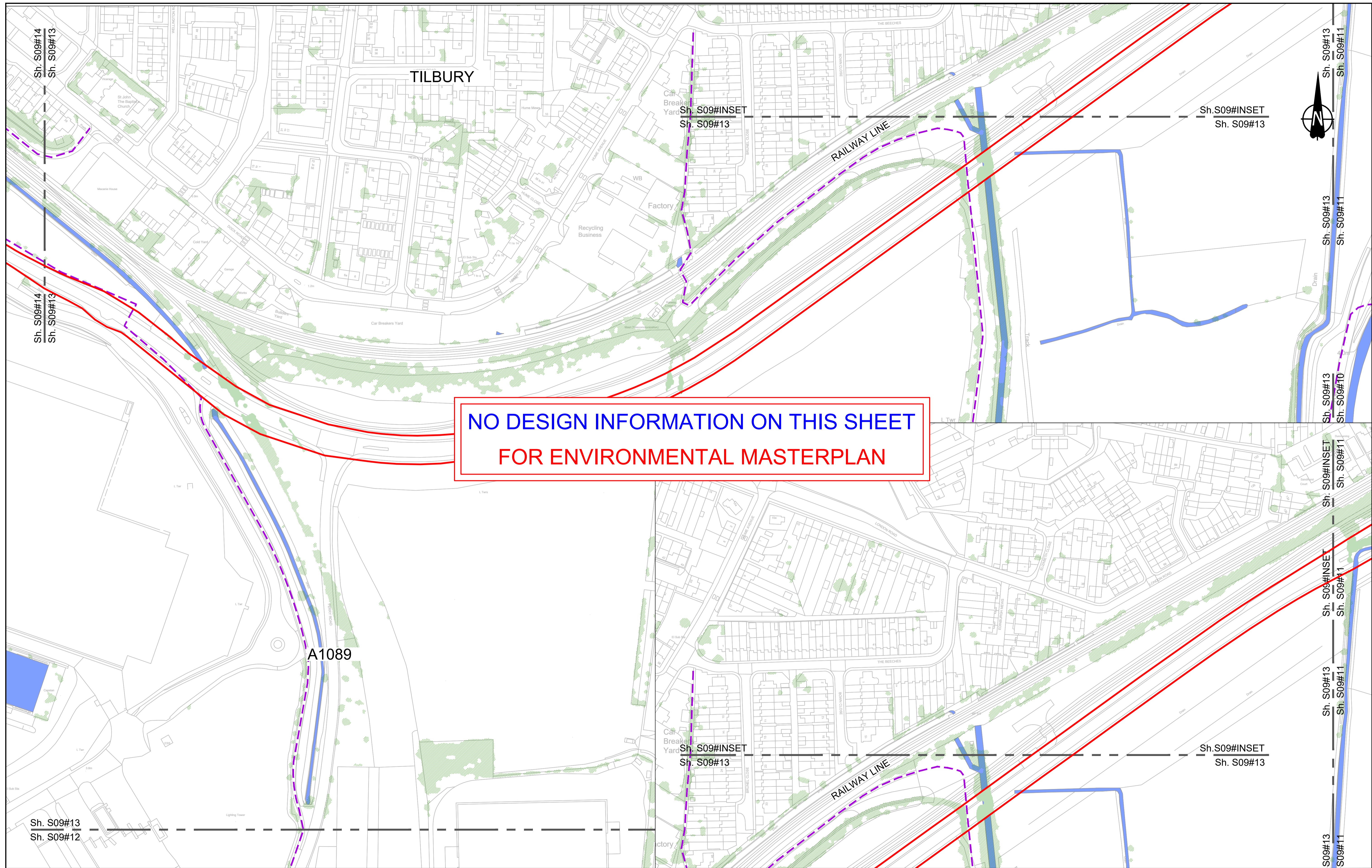
P01	S2	27/10/2022		LD		
P02	S8	11/12/2023	Deadline 9	GH1 RO BF		
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

Order Limits	LE 2.1 Woodland	LE 2.5 Shrubs With Intermittent Trees	LE 5.1 Individual Trees	LE 6.4 Wet Grassland	LE 8.1 Open Mosaic Habitat	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species	E 3.2 Ecological Fencing (inc. highway boundary fence)
Permanent Acquisition of Land	LE 2.11 Woodland With Non-Native Species	LE 2.7 Scattered Trees	LE 6.1 Water Bodies - Standing Water	LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 8.2 Ancient Woodland Compensation Planting	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 3.2 Dormouse Boxes	E 3.2 Bat Boxes
LE 1.3 Species Rich Grassland	LE 2.14 Wet / Carr Woodland	LE 2.8 Scrub / Scattered Scrub	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape	LE 7.4 Reinforced Earth Bund	LE 8.3 Woodland Mitigation Planting	Flood Compensation Areas (E 2-FCA)	E 3.2 Bat Boxes	E 3.2 Ecological Culvert
LE 1.31 Species Rich Chalk Grassland	LE 2.2 Woodland Edge	LE 4.3 Native Species Hedge (untrimsed)	LE 6.2 Banks and Ditches	Earthworks	LE 8.4 Wetland / Fenland Creation	Ecology Pond (indicative symbol only)	E 3.2 Ecological Culvert	E 3.2 Bat Barn Block
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.22 Scrub Woodland	LE 4.4 Native Hedgerow With Trees	LE 6.21 Banks and Ditches - High Tide Root Features	Proposed Contours	LE 8.5 Ecology Pond (indicative symbol only)	Flood Defence (E 2-FD)		
LE 1.4 Rock and Scree	LE 2.4 Linear Belt of Shrubs and Trees				LE 8.6 Acid Grassland Soil Salvage			

LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:1250		
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 12				
Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00013				



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SCALE 1:1250 (A1)
SCALE 1:2500 (A3)

Section Overview Sheet: Refer to section overview plan at the start of the section.

P01	S2	27/10/2022	LD
P02	S8	11/12/2023	Deadline 9

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

Order Limits Permanent Acquisition of Land Grassland (LE 1) LE 1.3 Species Rich Chalk Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual Wildflower Grassland LE 1.4 Rock and Scree	Planting (LE 2) LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species LE 2.14 Wet / Carr Woodland LE 2.2 Woodland Edge LE 2.22 Scrub Woodland LE 2.4 Linear Belt of Shrubs and Trees LE 2.5 Shrubs With Intermittent Trees LE 2.7 Scattered Trees LE 2.8 Scrub / Scattered Scrub Hedges (LE 4) LE 4.3 Native Species Hedge (untrimmed) LE 4.4 Native Hedgerow With Trees	Individual Trees (LE 5) LE 5.1 Individual Trees Wetland Habitats (LE 6) LE 6.11 Water Bodies - Standing Water LE 6.12 Water Bodies and Associated Plants - Shallow Scrape LE 6.2 Banks and Ditches LE 6.21 Banks and Ditches - High Tide Root Features LE 6.4 Wet Grassland LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh Hard Landscape Features (LE 7) LE 7.4 Reinforced Earth Bund Earthworks Proposed Contours	Ecological Habitats (LE 8) LE 8.1 Open Mosaic Habitat LE 8.2 Ancient Woodland Compensation Planting LE 8.3 Woodland Mitigation Planting LE 8.4 Wetland / Fenland Creation LE 8.5 Ecology Pond (indicative symbol only) LE 8.6 Acid Grassland Soil Salvage LE 8.7 Nitrogen Deposition (NDEP) Compensation Area Noise (E 1) E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence) Water (E 2) Flood Compensation Areas (E 2-FCA) Flood Defence (E 2-FD)	Ecological (E 3) E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species E 3.2 Dormouse Boxes E 3.2 Bat Boxes E 3.2 Ecological Culvert E 3.2 Bat Barn Block E 3.2 Ecological Fencing (inc. highway boundary fence) E 3.2 Barn Owl Box
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Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:1250		
Drawing Title	ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 13				
Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00014				

Sh. S09#INSET
Sh. S09#14

Sh. S09#INSET
Sh. S09#14

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FOR ENVIRONMENTAL MASTERPLAN**

INSET PLAN

Sh. S09#INSET
Sh. S09#14

Sh. S09#INSET
Sh. S09#14

Sh. S09#14
Sh. S09#13

Sh. S09#14
Sh. S09#13

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SCALE 1:1250 (A1)
SCALE 1:2500 (A3)

Section Overview Sheet: Refer to section overview plan at the start of the section.

P01	S2	25/10/2022		LD
P02	S8	11/12/2023	Deadline 9	GH1 RO BF
Rev	Status	Rev. Date	Purpose of revision	Drawn
				Chkd
				Apprv'd

Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

Order Limits Order Limits Permanent Acquisition of Land Grassland (LE 1) LE 1.3 Species Rich Chalk Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual Wildflower Grassland LE 1.4 Rock and Scree	Planting (LE 2) LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species LE 2.14 Wet / Carr Woodland LE 2.2 Woodland Edge LE 2.22 Scrub Woodland LE 2.4 Linear Belt of Shrubs and Trees LE 2.5 Shrubs With Intermittent Trees LE 2.7 Scattered Trees LE 2.8 Scrub / Scattered Scrub Hedges (LE 4) LE 4.3 Native Species Hedge (untrimmed) LE 4.4 Native Hedgerow With Trees	Individual Trees (LE 5) LE 5.1 Individual Trees Wetland Habitats (LE 6) LE 6.11 Water Bodies - Standing Water LE 6.12 Water Bodies and Associated Plants - Shallow Scrape LE 6.2 Banks and Ditches LE 6.21 Banks and Ditches - High Tide Root Features LE 6.4 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh Hard Landscape Features (LE 7) LE 7.4 Reinforced Earth Bund Earthworks Proposed Contours	Ecological Habitats (LE 8) LE 8.1 Open Mosaic Habitat LE 8.2 Ancient Woodland Compensation Planting LE 8.3 Woodland Mitigation Planting LE 8.4 Wetland / Fenland Creation LE 8.5 Ecology Pond (indicative symbol only) LE 8.6 Acid Grassland Soil Salvage Noise (E 1) LE 8.7 Nitrogen Deposition (NDEP) Compensation Area E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence) Water (E 2) E 2.2 Flood Compensation Areas (E 2-FCA) E 2-FD Flood Defence (E 2-FD)	Ecological (E 3) E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species E 3.2 Dormouse Boxes E 3.2 Bat Boxes E 3.2 Ecological Culvert E 3.2 Bat Barn Block E 3.2 Ecological Fencing (inc. highway boundary fence) E 3.2 Barn Owl Box
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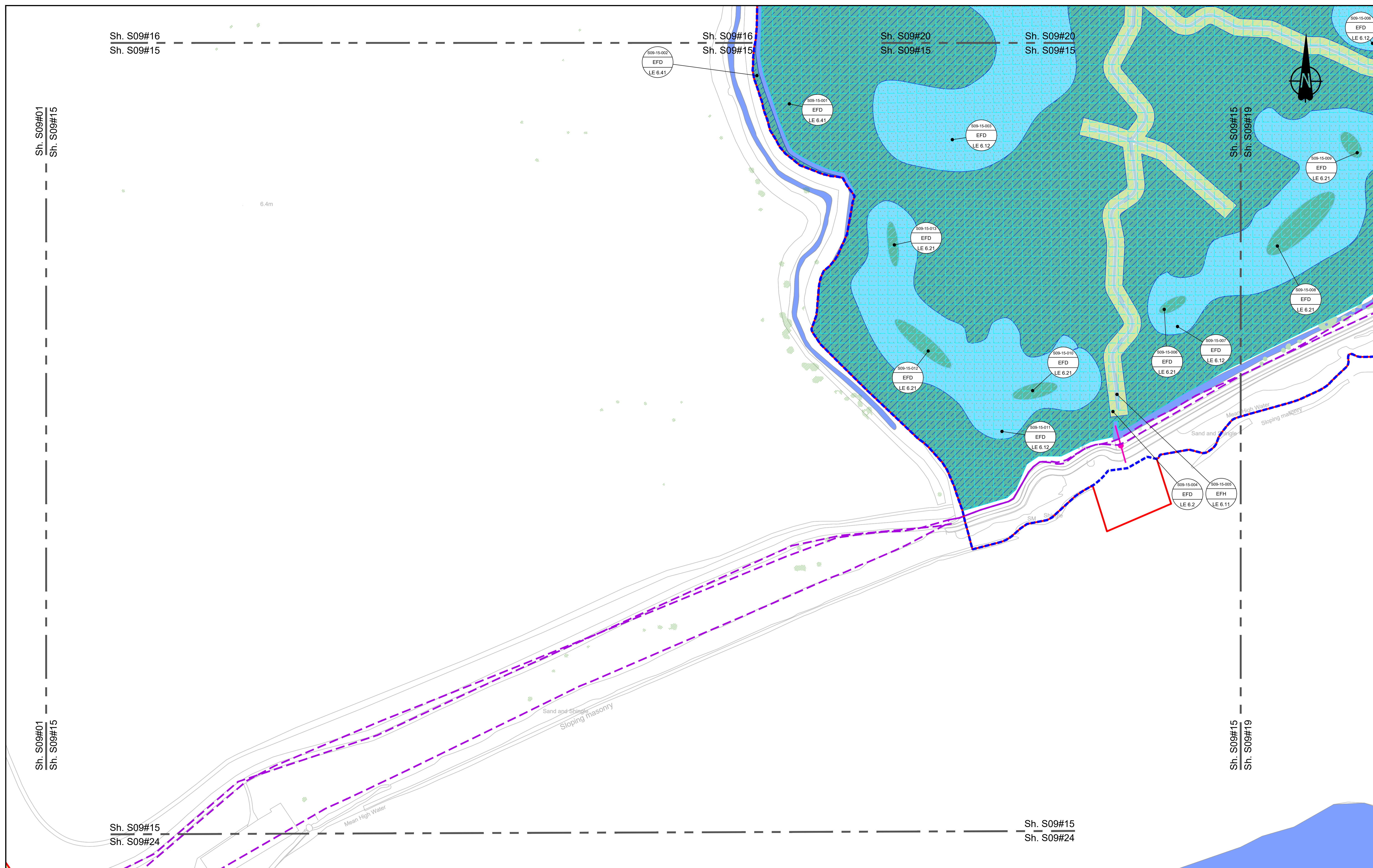
Client

Project

LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:1250		
Drawing Title	ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 14				
Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00015				

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SCALE 1:1250 (A1)
SCALE 1:2500 (A3)

Section Overview Sheet. Refer to section overview plan at the start of the section.

P01	S2	25/10/2022	LD
P02	S8	11/12/2023	Deadline 9
Rev	Status	Rev. Date	Purpose of revision
		Drawn	Chk'd
		Apprv'd	

Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

Order Limits	Planting (LE 2)	Individual Trees (LE 5)	Ecological Habitats (LE 8)	Noise (E 1)	Ecological (E 3)
Order Limits	LE 2.1 Woodland	LE 5.1 Individual Trees	LE 8.1 Open Mosaic Habitat	LE 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
Permanent Acquisition of Land	LE 2.11 Woodland With Non-Native Species	LE 5.2 Scattered Trees	LE 8.2 Ancient Woodland Compensation Planting	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 3.2 Ecological Fencing (inc. highway boundary fence)
Grassland (LE 1)	LE 2.14 Wet / Carr Woodland	LE 5.3 Wetland Habitats (LE 6)	LE 8.3 Woodland Mitigation Planting	Water (E 2)	E 3.2 Ecological Culvert
LE 1.3 Species Rich Grassland	LE 2.2 Woodland Edge	LE 6.1 Water Bodies - Standing Water	LE 8.4 Wetland / Fenland Creation	Flood Compensation Areas (E 2-FCA)	E 3.2 Bat Boxes
LE 1.31 Species Rich Chalk Grassland	LE 2.22 Scrub Woodland	LE 6.2 Banks and Ditches	LE 8.5 Ecology Pond (indicative symbol only)	Flood Defence (E 2-FD)	E 3.2 Bat Barn Block
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.4 Linear Belt of Shrubs and Trees	LE 6.4 Wet Grassland	LE 8.6 Acid Grassland Soil Salvage		
LE 1.4 Rock and Scree		LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh			
		LE 6.11 Water Bodies - Shallow Scrape			
		LE 6.2 Reinforced Earth Bund			
		LE 6.21 Banks and Ditches - High Tide Roost Features			
		LE 7.4 Proposed Contours			

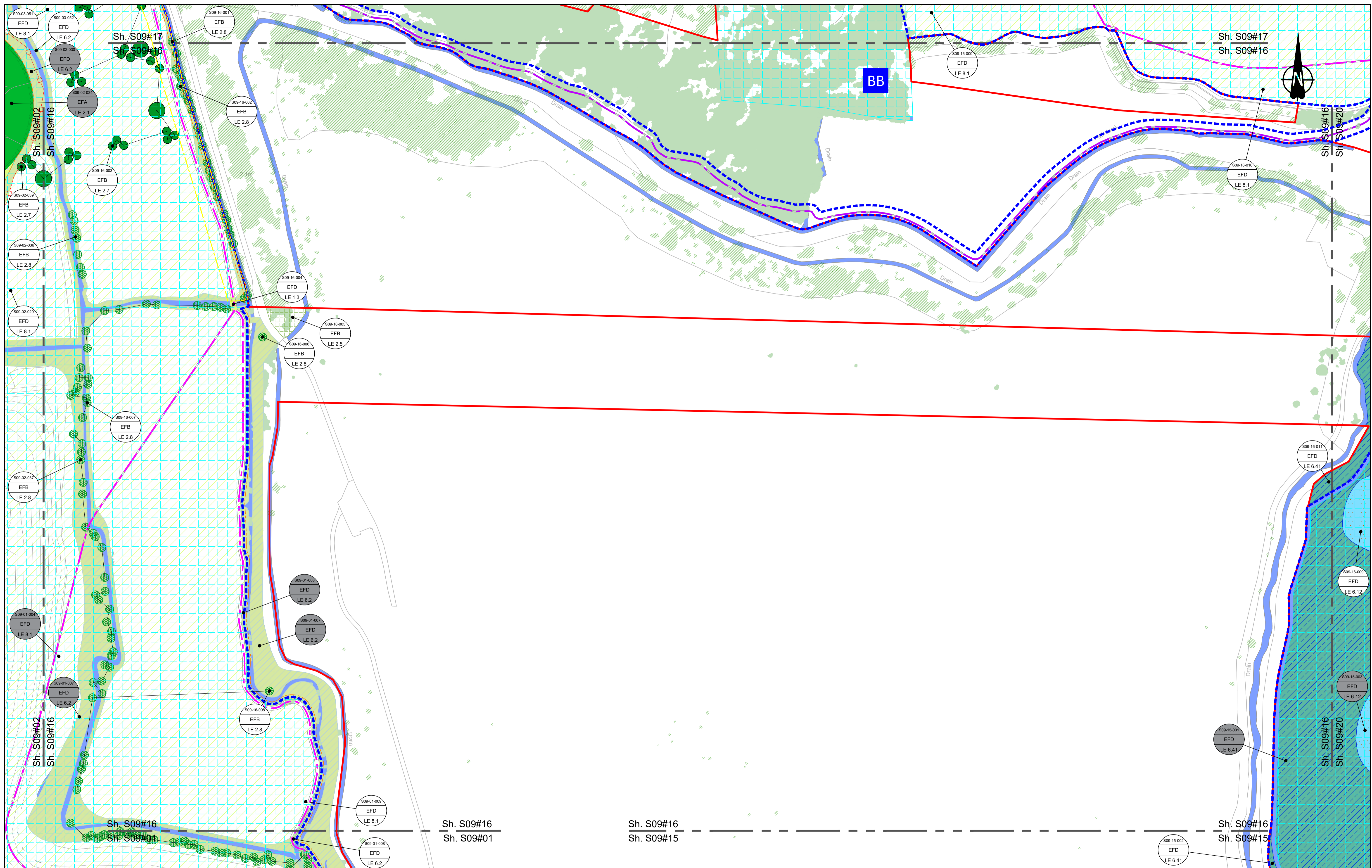
Client

Project

LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:1250		
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 15				
Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00016				

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SCALE 1:1250 (A1)
SCALE 1:2500 (A3)

Section Overview Sheet. Refer to section overview plan at the start of the section.

P01	S2	25/10/2022	LD
P02	S8	11/12/2023	Deadline 9
Rev	Status	Rev. Date	Purpose of revision
		Drawn	Chk'd
		Appr'd	

Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

Order Limits	Planting (LE 2)	LE 2.5 Shrubs With Intermittent Trees
Permanent Acquisition of Land	LE 2.1 Woodland	Individual Trees (LE 5)
Grassland (LE 1)	LE 2.11 Woodland With Non-Native Species	LE 5.1 Individual Trees
LE 1.3 Species Rich Grassland	LE 2.14 Wet / Carr Woodland	Wetland Habitats (LE 6)
LE 1.31 Species Rich Chalk Grassland	LE 2.2 Woodland Edge	LE 6.11 Water Bodies - Standing Water
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.22 Scrub Woodland	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape
LE 1.4 Rock and Scree	LE 2.4 Linear Belt of Shrubs and Trees	LE 6.2 Banks and Ditches
		LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh
		LE 6.2 Scattered Trees
		LE 6.28 Scrub / Scattered Scrub
		LE 6.2 Reinforced Earth Bund
		LE 6.2 Native Species Hedge (untrimmed)
		LE 6.2 Native Hedgerow With Trees
		LE 6.2 Wet Grassland
		LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh
		LE 6.4 Wet Grassland
		LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh
		LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh

LE 8.1 Open Mosaic Habitat	LE 8.2 Ancient Woodland Compensation Planting	LE 8.3 Woodland Mitigation Planting	LE 8.4 Wetland / Fenland Creation	LE 8.5 Ecology Pond (indicative symbol only)	LE 8.6 Acid Grassland Soil Salvage
LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area

Noise (E 1)	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	Ecological (E 3)	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species	E 3.2 Ecological Fencing (inc. highway boundary fence)
Water (E 2)	E 2.1 Flood Compensation Areas (E 2-FCA)	E 3.2 Ecological Fencing (inc. highway boundary fence)	E 3.2 Ecological Fencing (inc. highway boundary fence)	E 3.2 Ecological Fencing (inc. highway boundary fence)
E 2.2 Flood Defence (E 2-FD)	E 3.2 Ecological Fencing (inc. highway boundary fence)	E 3.2 Ecological Fencing (inc. highway boundary fence)	E 3.2 Ecological Fencing (inc. highway boundary fence)	E 3.2 Ecological Fencing (inc. highway boundary fence)

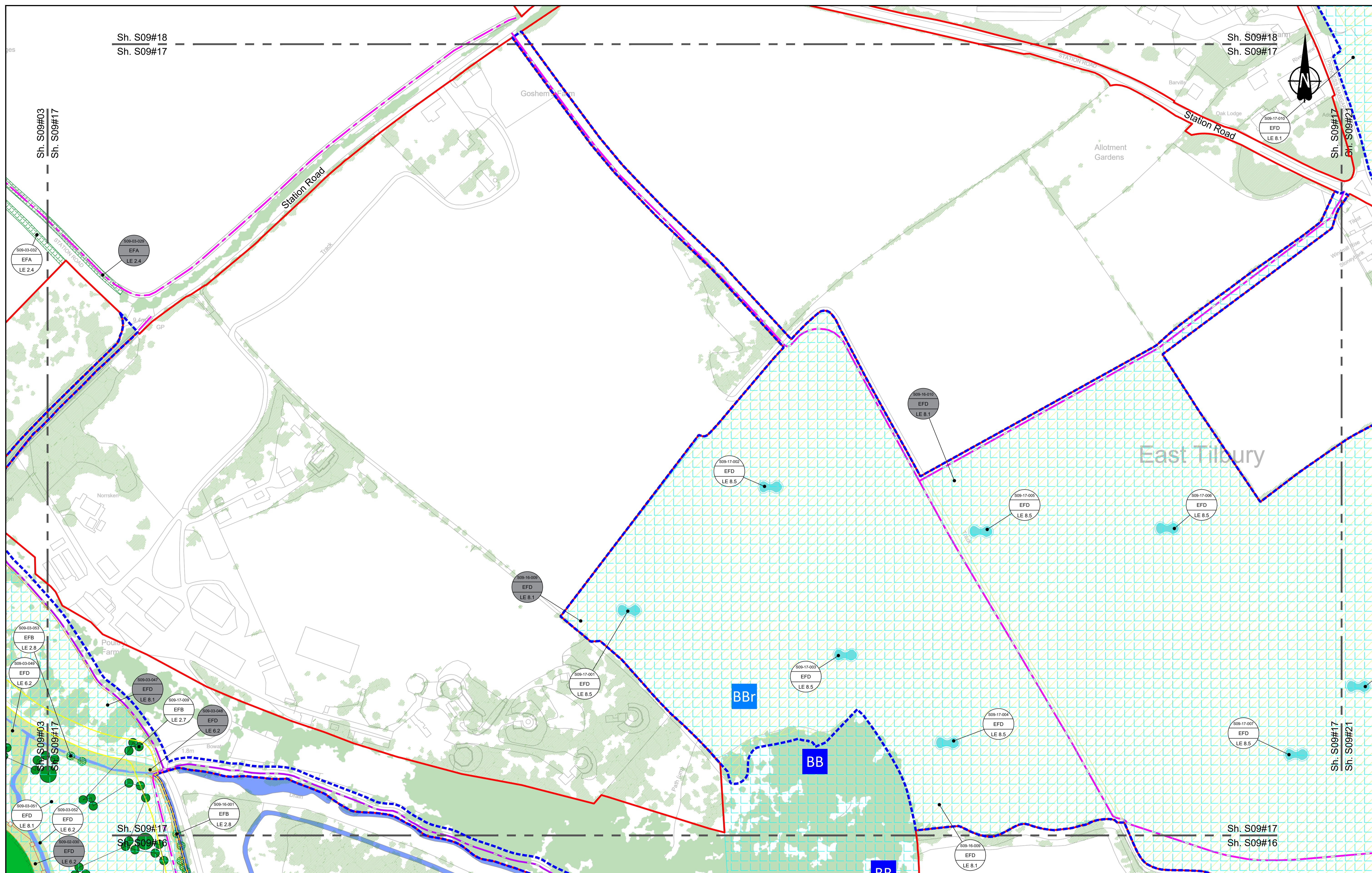
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Project

LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P02
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Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00017				

HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00017.dwg



Sh. S09#18
Sh. S09#17

Sh. S09#18
Sh. S09#17

Sh. S09#03
Sh. S09#17

Sh. S09#17
Sh. S09#21

Sh. S09#17
Sh. S09#16

Sh. S09#17
Sh. S09#16

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0 10 20 30 40 50 60 70 80 90 100 METRES

SCALE 1:1250 (A1)
SCALE 1:2500 (A3)

Section Overview Sheet. Refer to section overview plan at the start of the section.

P01	S2	25/10/2022		LD
P02	S8	11/12/2023	Deadline 9	LD RO BF
Rev	Status	Rev. Date	Purpose of revision	Drawn Chk'd Appr'd

Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

Order Limits	Planting (LE 2)	Individual Trees (LE 5)
Permanent Acquisition of Land	LE 2.1 Woodland	LE 5.1 Individual Trees
Grassland (LE 1)	LE 2.11 Woodland With Non-Native Species	Wetland Habitats (LE 6)
LE 1.3 Species Rich Grassland	LE 2.14 Wet / Carr Woodland	LE 6.11 Water Bodies - Standing Water
LE 1.31 Species Rich Chalk Grassland	LE 2.2 Woodland Edge	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.22 Scrub Woodland	LE 6.2 Banks and Ditches
LE 1.4 Rock and Scree	LE 2.4 Linear Belt of Shrubs and Trees	LE 6.21 Banks and Ditches - High Tide Roost Features
LE 2.5 Shrubs With Intermittent Trees	LE 2.7 Scattered Trees	Hard Landscape Features (LE 7)
LE 2.8 Scrub / Scattered Scrub	Hedges (LE 4)	LE 7.4 Reinforced Earth Bund
LE 4.3 Native Species Hedge (untrimmed)	LE 4.4 Native Hedgerow With Trees	Earthworks
LE 4.4 Native Hedgerow With Trees		Proposed Contours

Ecological Habitats (LE 8)	Ecological (E 3)
LE 8.1 Open Mosaic Habitat	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
LE 8.2 Ancient Woodland Compensation Planting	E 3.2 Dormouse Boxes
LE 8.3 Woodland Mitigation Planting	E 3.2 Bat Boxes
LE 8.4 Wetland / Fenland Creation	E 3.2 Ecological Culvert
LE 8.5 Ecology Pond (indicative symbol only)	E 3.2 Bat Barn Block
LE 8.6 Acid Grassland Soil Salvage	

Noise (E 1)	Water (E 2)
E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	Flood Compensation Areas (E 2-FCA)
Ecological (E 3)	Flood Defence (E 2-FD)
E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species	
E 3.2 Dormouse Boxes	
E 3.2 Bat Boxes	
E 3.2 Ecological Culvert	
E 3.2 Bat Barn Block	

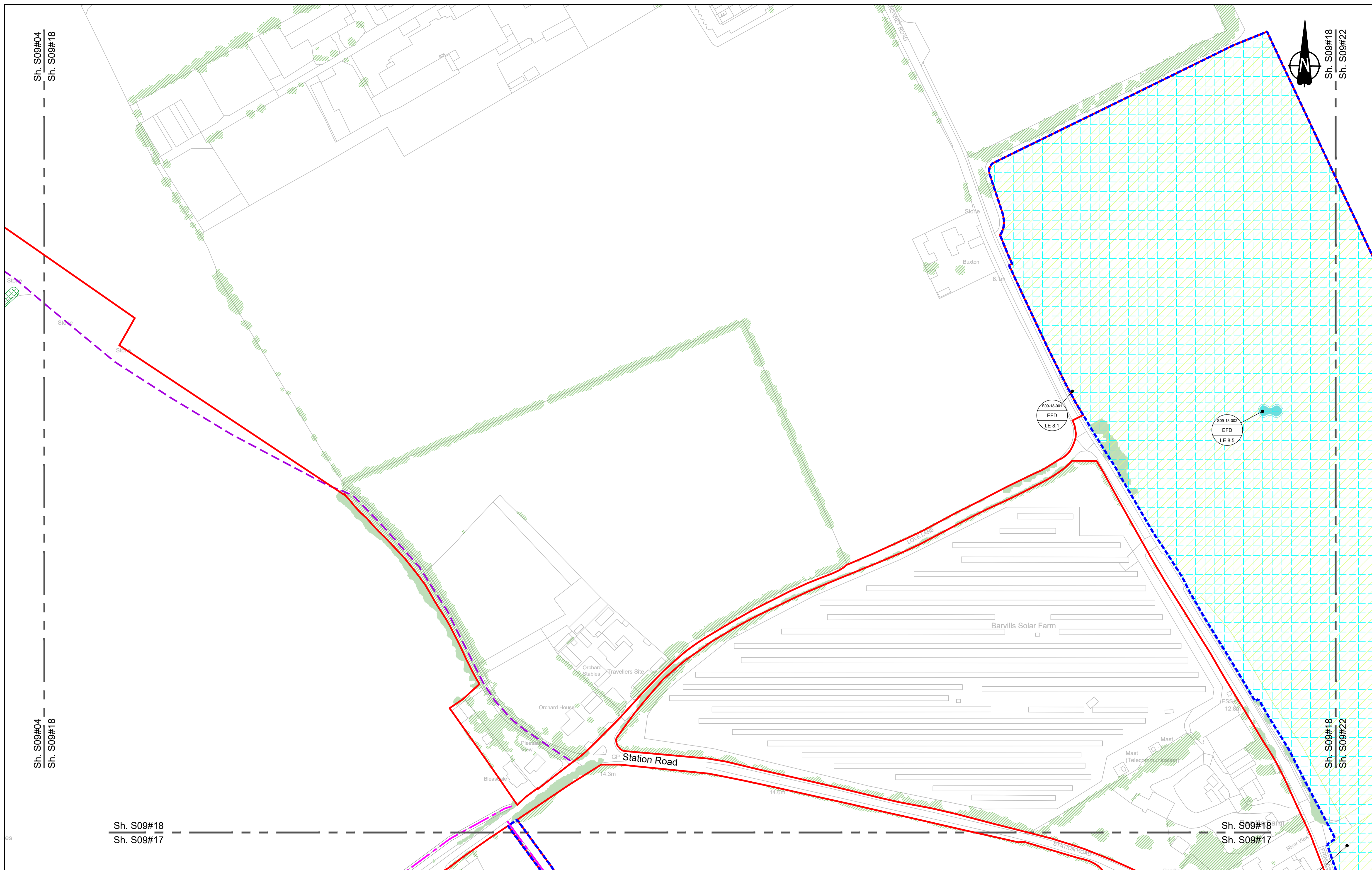
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Project

LOWER THAMES CROSSING

Status	DCO Examination	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P02
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 17		
Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00018		

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0 10 20 30 40 50 60 70 80 90 100 METRES

SCALE 1:1250 (A1)
SCALE 1:2500 (A3)

Section Overview Sheet. Refer to section overview plan at the start of the section.

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd
P01	S2	25/10/2022		LD		
P02	S8	19/09/2023	Deadline 4	GH1	RO	BF
P03	S8	11/12/2023	Deadline 9	GH1	RO	BF

Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

Order Limits	Planting (LE 2)	Individual Trees (LE 5)
Order Limits	LE 2.1 Woodland	LE 5.1 Individual Trees
Permanent Acquisition of Land	LE 2.11 Woodland With Non-Native Species	Wetland Habitats (LE 6)
Grassland (LE 1)	LE 2.14 Wet / Carr Woodland	LE 6.11 Water Bodies - Standing Water
LE 1.3 Species Rich Grassland	LE 2.2 Woodland Edge	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape
LE 1.31 Species Rich Chalk Grassland	LE 2.22 Scrub Woodland	LE 6.2 Banks and Ditches
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.4 Linear Belt of Shrubs and Trees	LE 6.21 Banks and Ditches - High Tide Roost Features
LE 1.4 Rock and Scree		Hard Landscape Features (LE 7)
		LE 7.4 Reinforced Earth Bund
		Earthworks
		Proposed Contours

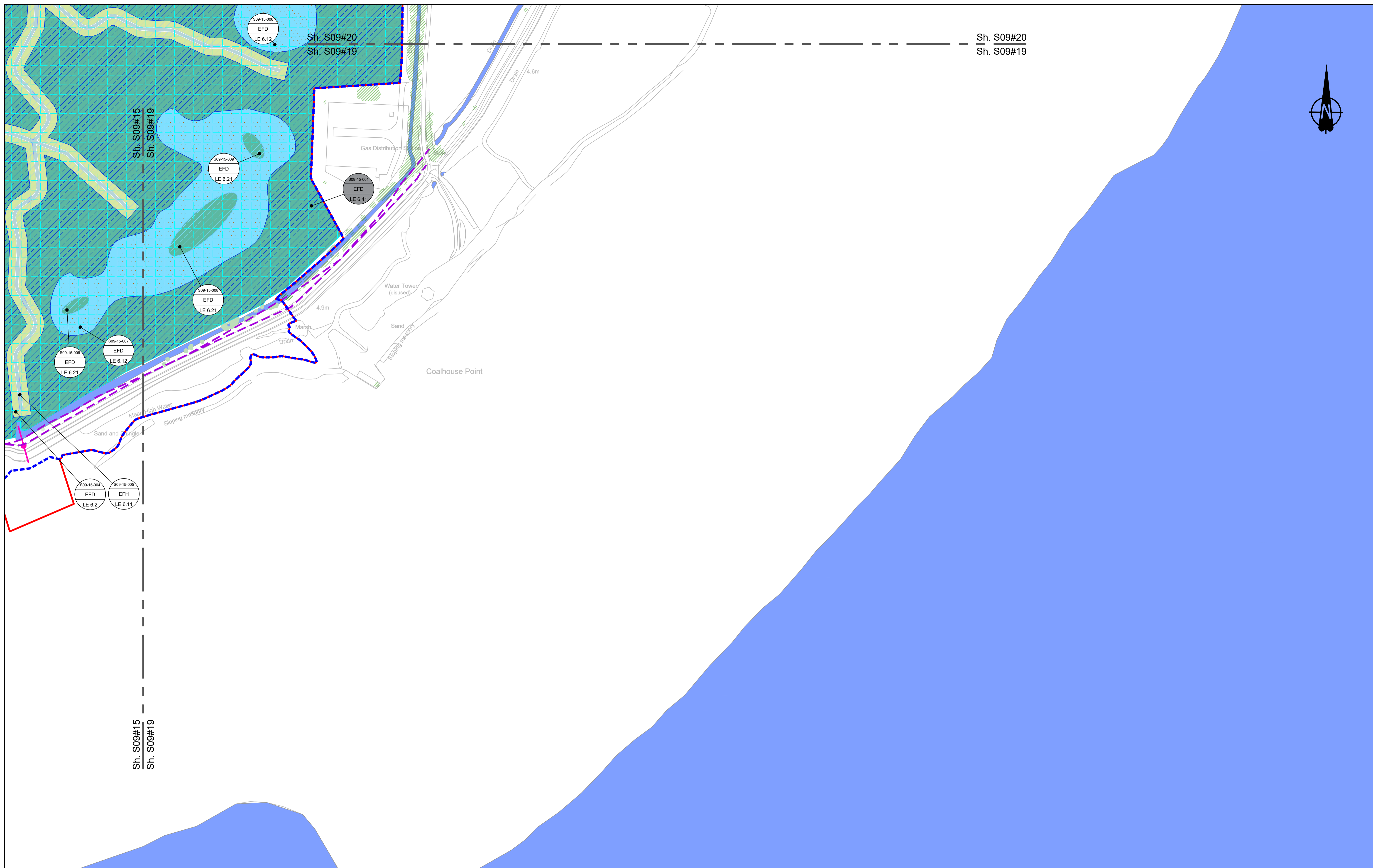
Ecological Habitats (LE 8)	Noise (E 1)	Water (E 2)	Ecological (E 3)
LE 8.1 Open Mosaic Habitat	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	LE 2.1 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
LE 8.2 Ancient Woodland Compensation Planting	LE 8.8 Wet Grassland - Coastal Grazing Marsh	LE 2.2 Flood Compensation Areas (E 2-FCA)	E 3.2 Dormouse Boxes
LE 8.3 Woodland Mitigation Planting	LE 8.41 Marsh and Wet Grassland	LE 2.3 Flood Defence (E 2-FD)	E 3.2 Bat Boxes
LE 8.4 Wetland / Fenland Creation	LE 8.42 Wet Grassland	LE 2.4 Ecology Pond (indicative symbol only)	E 3.2 Ecological Culvert
LE 8.5 Ecology Pond (indicative symbol only)	LE 8.5 Ecology Pond (indicative symbol only)	LE 8.6 Acid Grassland Soil Salvage	E 3.2 Bat Barn Block
LE 8.6 Acid Grassland Soil Salvage			E 3.2 Ecological Fencing (inc. highway boundary fence)
			E 3.2 Barn Owl Box

Client

Project

LOWER THAMES CROSSING

Status	Application Document Number	Original Size	Revision
DCO Examination	TR010032/APP/6.2	A1	P03
Scale		1:1250	
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 18		
Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00019		



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0 10 20 30 40 50 60 70 80 90 100 METRES

SCALE 1:1250 (A1)
SCALE 1:2500 (A3)

Section Overview Sheet. Refer to section overview plan at the start of the section.

P01	S2	25/10/2022	LD
P02	S8	11/12/2023	Deadline 9
Rev	Status	Rev. Date	Purpose of revision
		Drawn	Chk'd
		Apprv'd	

Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

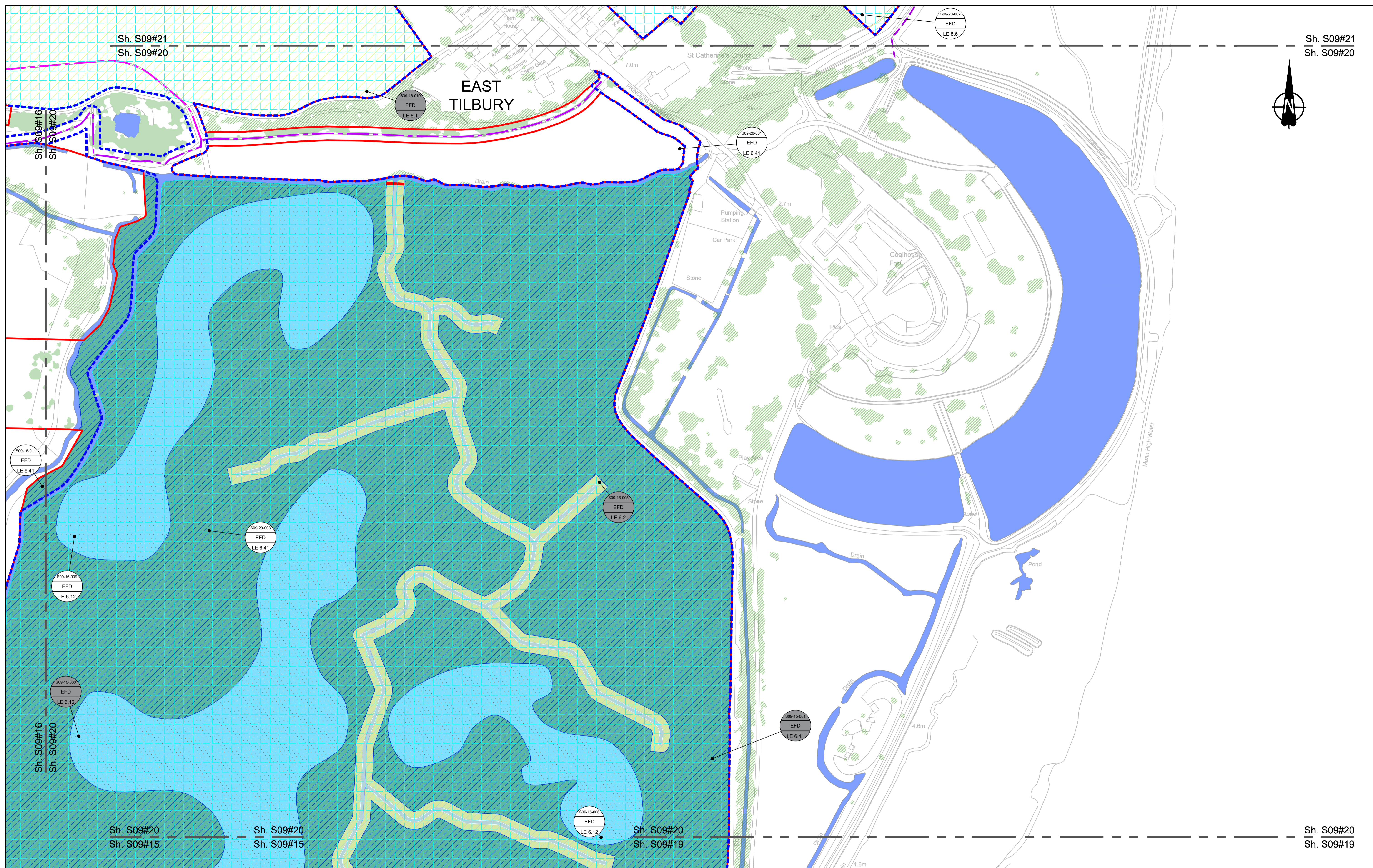
<p>Order Limits</p> <p>Permanent Acquisition of Land</p> <p>Grassland (LE 1)</p> <p>LE 1.3 Species Rich Grassland</p> <p>LE 1.31 Species Rich Chalk Grassland</p> <p>LE 1.32 Species Rich Annual Wildflower Grassland</p> <p>LE 1.4 Rock and Scree</p>	<p>Planting (LE 2)</p> <p>LE 2.1 Woodland</p> <p>LE 2.11 Woodland With Non-Native Species</p> <p>LE 2.14 Wet / Carr Woodland</p> <p>LE 2.2 Woodland Edge</p> <p>LE 2.22 Scrub Woodland</p> <p>LE 2.4 Linear Belt of Shrubs and Trees</p>	<p>LE 2.5 Shrubs With Intermittent Trees</p> <p>LE 2.7 Scattered Trees</p> <p>LE 2.8 Scrub / Scattered Scrub</p> <p>Hedges (LE 4)</p> <p>LE 4.3 Native Species Hedge (untrimsed)</p> <p>LE 4.4 Native Hedgerow With Trees</p>	<p>Individual Trees (LE 5)</p> <p>LE 5.1 Individual Trees</p> <p>Wetland Habitats (LE 6)</p> <p>LE 6.11 Water Bodies - Standing Water</p> <p>LE 6.12 Water Bodies and Associated Plants - Shallow Scrape</p> <p>LE 6.2 Banks and Ditches</p> <p>LE 6.21 Banks and Ditches - High Tide Roost Features</p>	<p>LE 6.4 Wet Grassland</p> <p>LE 6.41 Marsh and Wet Grassland Coastal Grazing Marsh</p> <p>Hard Landscape Features (LE 7)</p> <p>LE 7.4 Reinforced Earth Bund</p> <p>Earthworks</p> <p>Proposed Contours</p>	<p>Ecological Habitats (LE 8)</p> <p>LE 8.1 Open Mosaic Habitat</p> <p>LE 8.2 Ancient Woodland Compensation Planting</p> <p>LE 8.3 Woodland Mitigation Planting</p> <p>LE 8.4 Wetland / Fenland Creation</p> <p>LE 8.5 Ecology Pond (indicative symbol only)</p> <p>LE 8.6 Acid Grassland Soil Salvage</p>	<p>LE 8.7 Nitrogen Deposition (NDEP) Compensation Area</p> <p>Noise (E 1)</p> <p>E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)</p> <p>Water (E 2)</p> <p>Flood Compensation Areas (E 2-FCA)</p> <p>Flood Defence (E 2-FD)</p>	<p>Ecological (E 3)</p> <p>E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species</p> <p>E 3.2 Bat Boxes</p> <p>E 3.2 Bat Boxes</p> <p>E 3.2 Ecological Culvert</p> <p>E 3.2 Bat Barn Block</p> <p>E 3.2 Barn Owl Box</p> <p>E 3.2 Ecological Fencing (inc. highway boundary fence)</p>
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Client

Project

LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:1250		
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 19				
Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00020				



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SCALE 1:1250 (A1)
SCALE 1:2500 (A3)

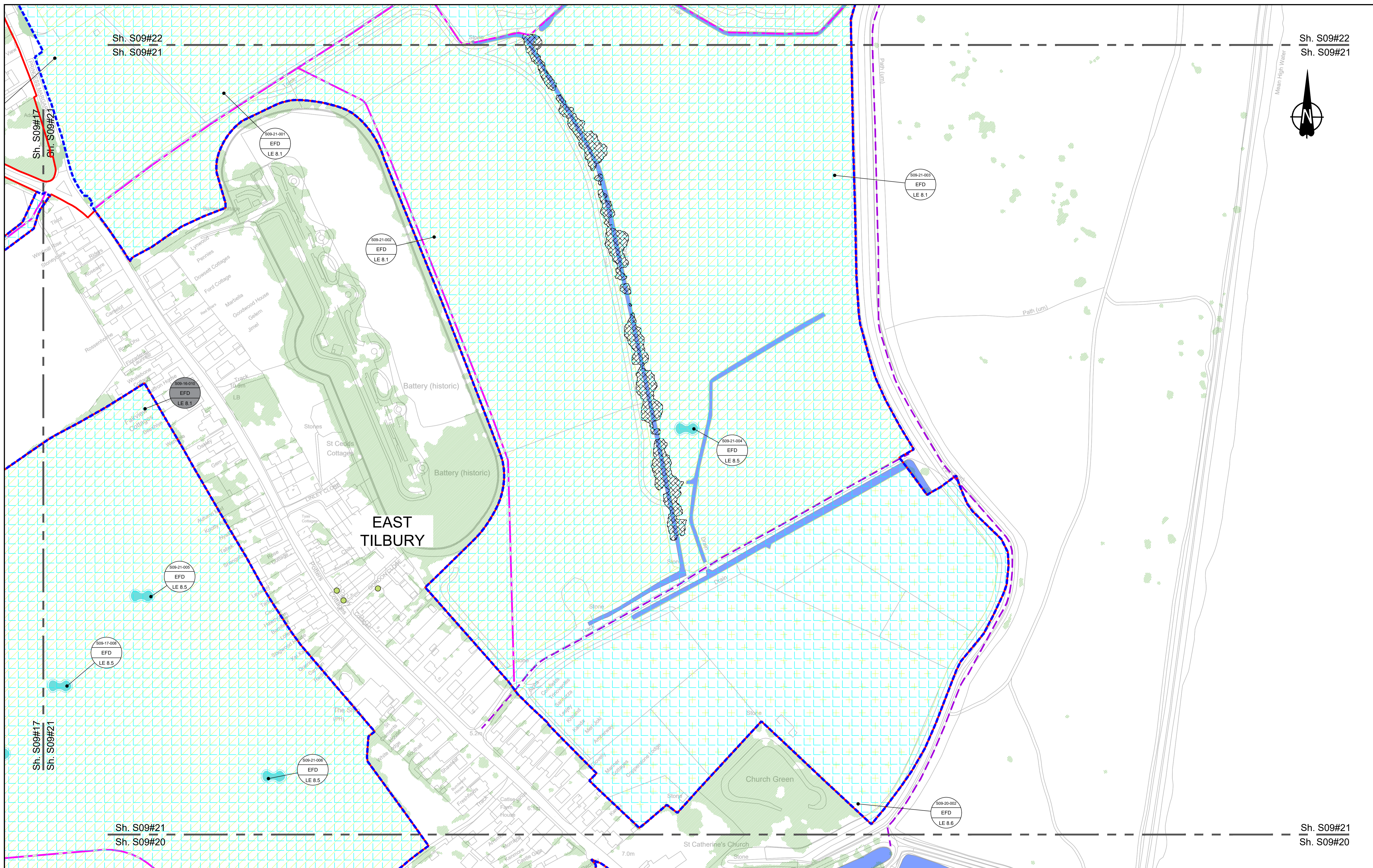
Section Overview Sheet. Refer to section overview plan at the start of the section.

P01	S2	25/10/2022		LD		
P02	S8	11/12/2023	Deadline 9	GH1 RO BF		
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

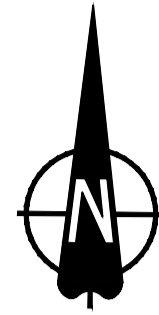
Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

Order Limits	LE 2.1 Woodland	LE 2.5 Shrubs With Intermittent Trees	LE 5.1 Individual Trees	LE 6.4 Wet Grassland	LE 8.1 Open Mosaic Habitat	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
Permanent Acquisition of Land	LE 2.11 Woodland With Non-Native Species	LE 2.7 Scattered Trees	LE 6.11 Water Bodies - Coastal Grazing Marsh	LE 6.41 Marsh and Wet Grassland Coastal Grazing Marsh	LE 8.2 Ancient Woodland Compensation Planting	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 3.2 Dormouse Boxes
Grassland (LE 1)	LE 2.14 Wet / Carr Woodland	LE 2.8 Scrub / Scattered Scrub	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape	LE 7.4 Reinforced Earth Bund	LE 8.3 Woodland Mitigation Planting	Water (E 2)	E 3.2 Bat Boxes
LE 1.3 Species Rich Grassland	LE 2.2 Woodland Edge	LE 4.3 Native Species Hedge (untrimmed)	LE 6.2 Banks and Ditches	LE 8.4 Wetland / Fenland Creation	LE 8.5 Ecology Pond (indicative symbol only)	Flood Compensation Areas (E 2-FCA)	E 3.2 Ecological Culvert
LE 1.31 Species Rich Chalk Grassland	LE 2.22 Scrub Woodland	LE 4.4 Native Hedgerow With Trees	LE 6.21 Banks and Ditches - High Tide Roost Features	LE 8.6 Acid Grassland Soil Salvage	LE 8.8 Ecological Fencing (inc. highway boundary fence)	Flood Defence (E 2-FD)	E 3.2 Bat Barn Block
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.4 Linear Belt of Shrubs and Trees						
LE 1.4 Rock and Scree							

	Status	DCO Examination	Original Size	Revision
	Application Document Number	TR010032/APP/6.2	A1	P02
Project LOWER THAMES CROSSING	Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 20		
	Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00021		
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00021.dwg				



Sh. S09#22
Sh. S09#21



Sh. S09#21
Sh. S09#20

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0 10 20 30 40 50 60 70 80 90 100 METRES

SCALE 1:1250 (A1)
SCALE 1:2500 (A3)

Section Overview Sheet. Refer to section overview plan at the start of the section.

P01	S2	25/10/2022	LD
P02	S8	11/12/2023	Deadline 9

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZ_Z-DR-ZZ-00001).

Order Limits	Planting (LE 2)	Individual Trees (LE 5)
Order Limits	LE 2.1 Woodland	LE 5.1 Individual Trees
Permanent Acquisition of Land	LE 2.11 Woodland with Non-Native Species	Wetland Habitats (LE 6)
Grassland (LE 1)	LE 2.14 Wet / Carr Woodland	LE 6.11 Water Bodies - Standing Water
LE 1.3 Species Rich Grassland	LE 2.2 Woodland Edge	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape
LE 1.31 Species Rich Chalk Grassland	LE 2.22 Scrub Woodland	LE 6.2 Banks and Ditches
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.4 Linear Belt of Shrubs and Trees	LE 6.21 Banks and Ditches - High Tide Roost Features
LE 1.4 Rock and Scree		Hard Landscape Features (LE 7)
		LE 7.4 Reinforced Earth Bund
		Earthworks
		Proposed Contours

Ecological Habitats (LE 8)	Noise (E 1)	Ecological (E 3)
LE 8.1 Open Mosaic Habitat	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
LE 8.2 Ancient Woodland Compensation Planting	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 3.2 Dormouse Boxes
LE 8.3 Woodland Mitigation Planting	Water (E 2)	E 3.2 Bat Boxes
LE 8.4 Wetland / Fenland Creation	Flood Compensation Areas (E 2-FCA)	E 3.2 Ecological Culvert
LE 8.5 Ecology Pond (indicative symbol only)	Flood Defence (E 2-FD)	E 3.2 Bat Barn Block
LE 8.6 Acid Grassland Soil Salvage		

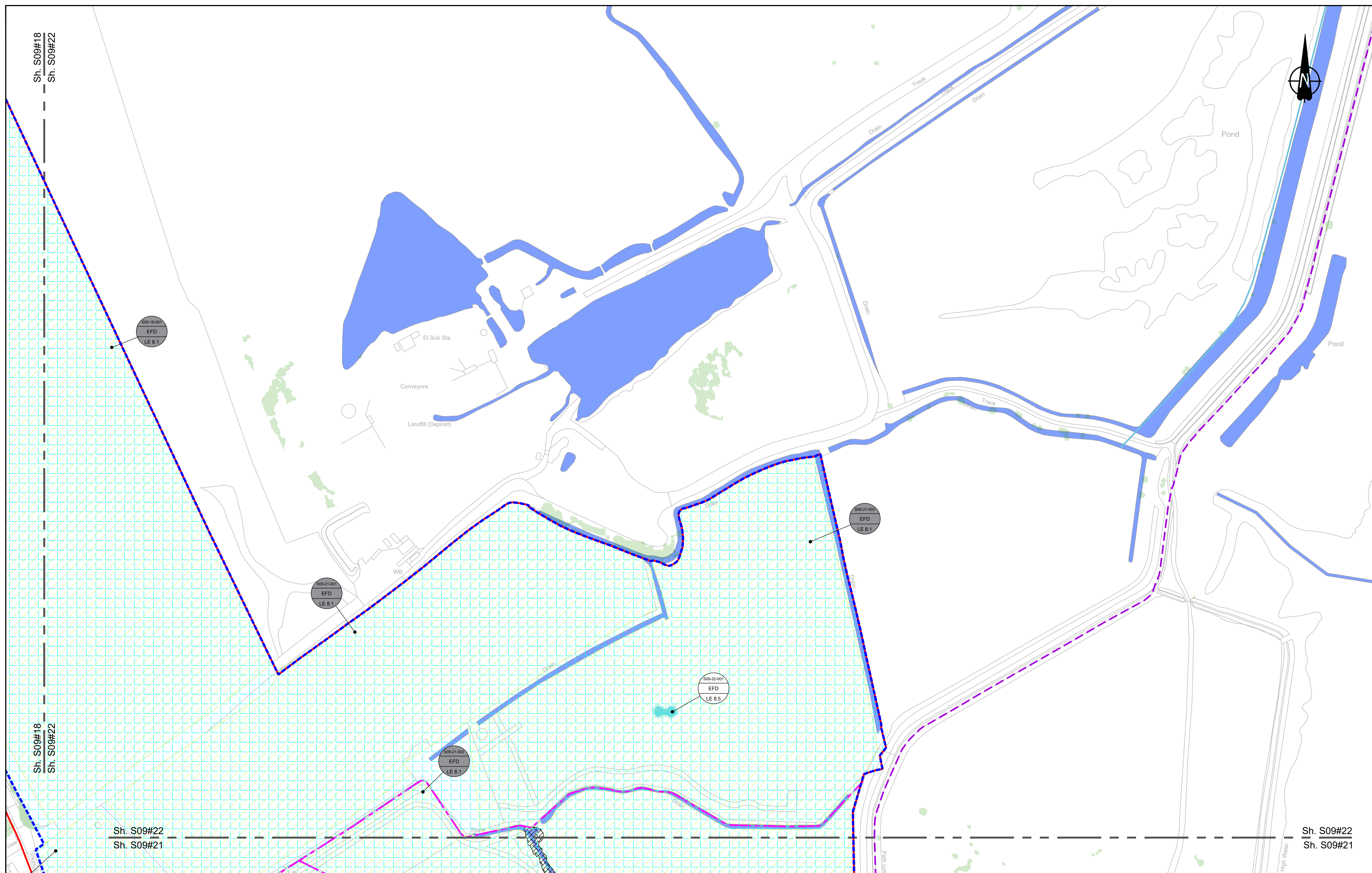
Client

Project

LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:1250		
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 21				
Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00022				

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Sh. S09#18
Sh. S09#22

Sh. S09#18
Sh. S09#22

Sh. S09#22
Sh. S09#21

Sh. S09#22
Sh. S09#21

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P01	S2	25/10/2022		LD
P02	S8	11/12/2023	Deadline 9	GH1 RO BF
Rev	Status	Rev. Date	Purpose of revision	Drawn Chk'd Apprv'd

Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

Order Limits	Planting (LE 2)	Individual Trees (LE 5)
Permanent Acquisition of Land	Grassland (LE 1)	Wetland Habitats (LE 6)
LE 1.3 Species Rich Grassland	LE 2.1 Woodland	LE 6.11 Water Bodies - Standing Water
LE 1.31 Species Rich Chalk Grassland	LE 2.11 Woodland With Non-Native Species	LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.14 Wet / Carr Woodland	LE 8.3 Woodland Mitigation Planting
LE 1.4 Rock and Scree	LE 2.2 Woodland Edge	LE 8.4 Wetland / Fenland Creation
	LE 2.8 Scrub / Scattered Scrub	LE 8.5 Ecology Pond (indicative symbol only)
	LE 4.3 Native Species Hedge (untrimmed)	LE 8.6 Acid Grassland Soil Salvage
	LE 4.4 Native Hedgerow With Trees	
	LE 2.5 Strubs With Intermittent Trees	
	LE 2.7 Scattered Trees	
	Hard Landscape Features (LE 7)	
	LE 7.4 Reinforced Earth Bund	
	Earthworks	
	Proposed Contours	

LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	Ecological (E 3)
Noise (E 1)	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 3.2 Dormouse Boxes
Water (E 2)	E 3.2 Bat Boxes
Flood Compensation Areas (E 2-FCA)	E 3.2 Ecological Culvert
Flood Defence (E 2-FD)	E 3.2 Bat Barn Block

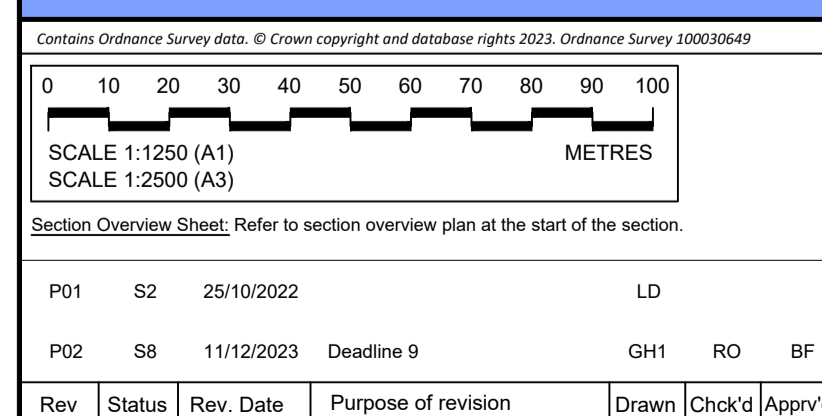
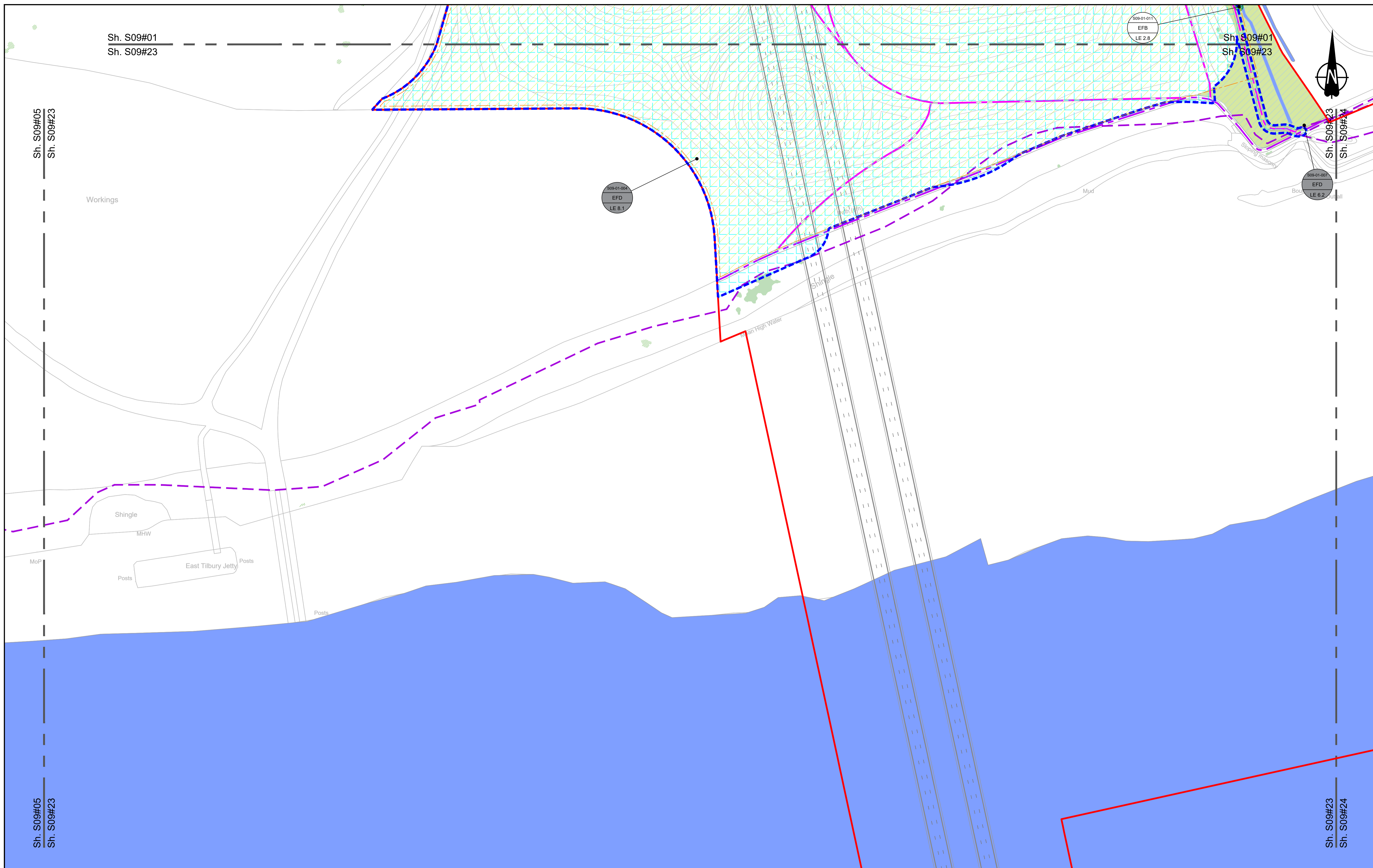
Ecological (E 3)	E 3.2 Ecological Fencing (inc. highway boundary fence)
E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species	E 3.2 Ecological Fencing (inc. highway boundary fence)
E 3.2 Dormouse Boxes	E 3.2 Ecological Fencing (inc. highway boundary fence)
E 3.2 Bat Boxes	E 3.2 Ecological Fencing (inc. highway boundary fence)
E 3.2 Ecological Culvert	E 3.2 Ecological Fencing (inc. highway boundary fence)
E 3.2 Bat Barn Block	E 3.2 Ecological Fencing (inc. highway boundary fence)

Client

Project

LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:1250		
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 22				
Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00023				



Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

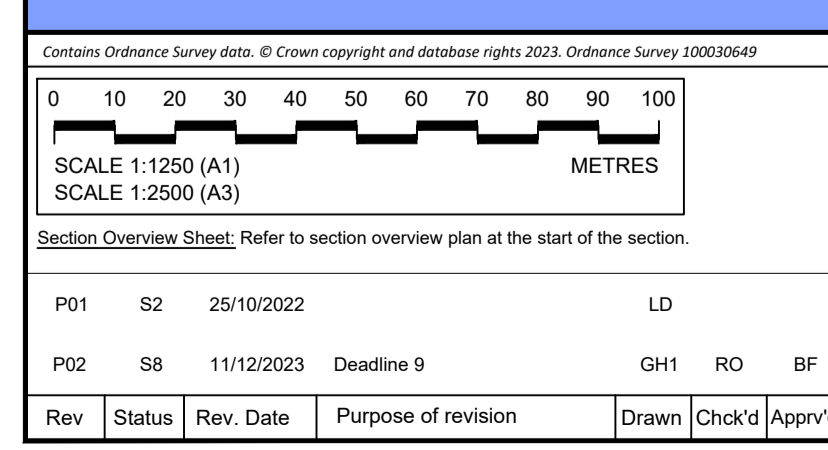
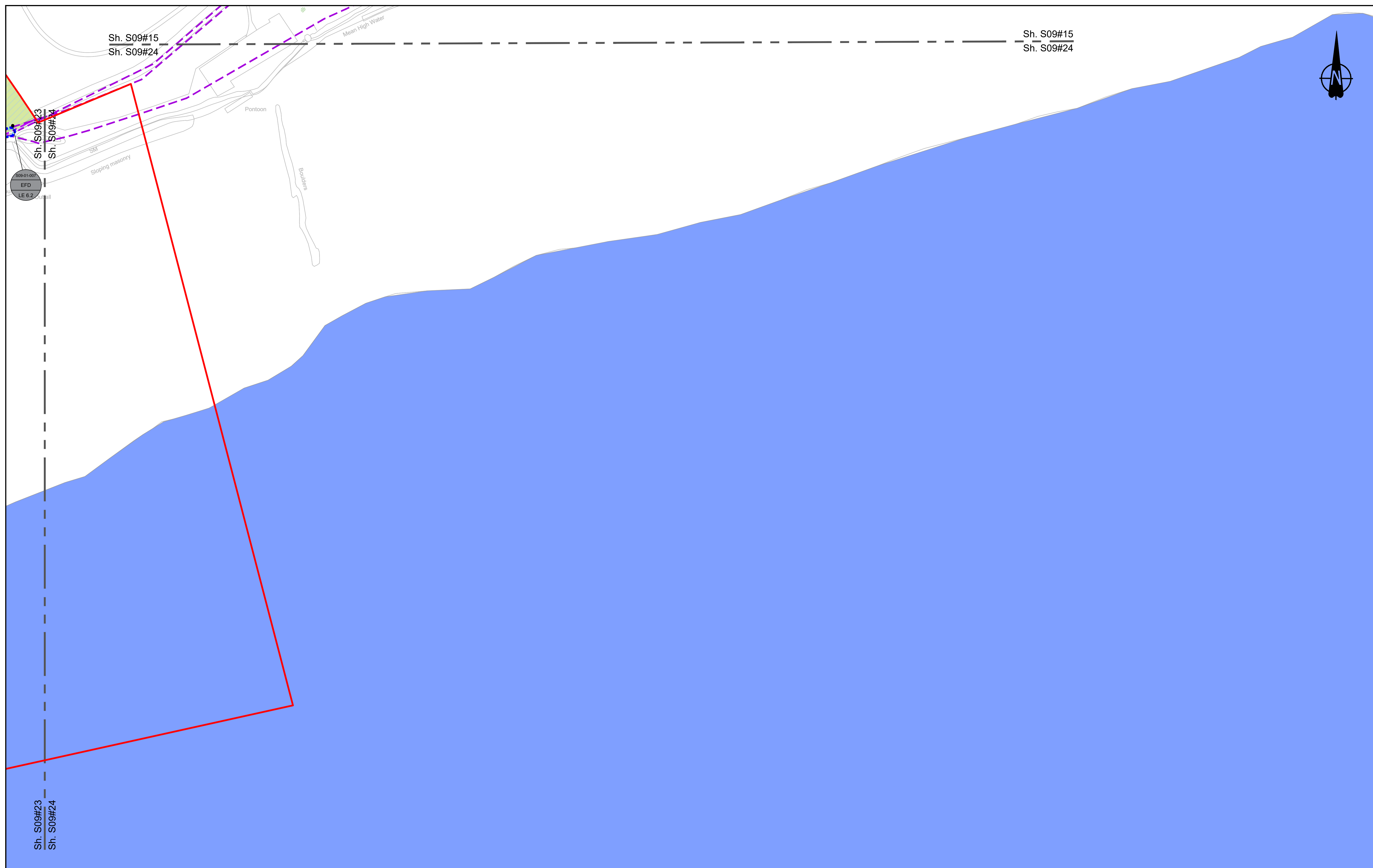
Order Limits	Planting (LE 2)	Individual Trees (LE 5)	Ecological Habitats (LE 8)	Noise (E 1)	Ecological (E 3)
Order Limits	LE 2.1 Woodland	LE 5.1 Individual Trees	LE 8.1 Open Mosaic Habitat	LE 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
Permanent Acquisition of Land	LE 2.11 Woodland With Non-Native Species	LE 5.2 Scattered Trees	LE 8.2 Ancient Woodland Compensation Planting	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 3.2 Ecological Fencing (inc. highway boundary fence)
Grassland (LE 1)	LE 2.14 Wet / Carr Woodland	LE 5.3 Scrub / Scattered Scrub	LE 8.3 Woodland Mitigation Planting	Water (E 2)	E 3.2 Dormouse Boxes
LE 1.3 Species Rich Grassland	LE 2.2 Woodland Edge	Hedges (LE 4)	LE 8.4 Wetland / Fenland Creation	Flood Compensation Areas (E 2-FCA)	E 3.2 Bat Boxes
LE 1.31 Species Rich Chalk Grassland	LE 2.22 Scrub Woodland	LE 4.3 Native Species Hedge (untruncated)	LE 8.5 Ecology Pond (indicative symbol only)	Flood Defence (E 2-FD)	E 3.2 Ecological Culvert
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.4 Linear Belt of Shrubs and Trees	LE 4.4 Native Hedgerow With Trees	LE 8.6 Acid Grassland Soil Salvage		E 3.2 Bat Barn Block
LE 1.4 Rock and Scree		Wetland Habitats (LE 6)			
		LE 6.1 Water Bodies - Standing Water			
		LE 6.11 Water Bodies - Coastal Grazing Marsh			
		LE 6.2 Banks and Ditches			
		LE 6.21 Banks and Ditches - High Tide Root Features			
		Hard Landscape Features (LE 7)			
		LE 7.4 Reinforced Earth Bund			
		Earthworks			
		Proposed Contours			

Client

Project

LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:1250		
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 23				
Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00024				



Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

Order Limits	Planting (LE 2)	Individual Trees (LE 5)	Ecological Habitats (LE 8)	Noise (E 1)	Ecological (E 3)
Permanent Acquisition of Land	Grassland (LE 1)	Wetland Habitats (LE 6)	Hard Landscape Features (LE 7)	Water (E 2)	Ecological (E 3)
LE 1.3 Species Rich Grassland	LE 2.1 Woodland	LE 5.1 Individual Trees	LE 8.1 Open Mosaic Habitat	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
LE 1.31 Species Rich Chalk Grassland	LE 2.11 Woodland With Non-Native Species	LE 6.11 Water Bodies - Standing Water	LE 8.2 Ancient Woodland Compensation Planting	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 3.2 Bat Boxes
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.2 Woodland Edge	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape	LE 8.3 Woodland Mitigation Planting	Flood Compensation Areas (E 2-FCA)	E 3.2 Barn Owl Box
LE 1.4 Rock and Scree	LE 2.22 Scrub Woodland	LE 6.2 Banks and Ditches	LE 8.4 Wetland / Fenland Creation	LE 8.5 Ecology Pond (indicative symbol only)	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 2.4 Linear Belt of Shrubs and Trees	LE 2.7 Scattered Trees	LE 6.21 Banks and Ditches - High Tide Roost Features	LE 8.6 Acid Grassland Soil Salvage	Flood Defence (E 2-FD)	E 3.2 Bat Block
	Hedges (LE 4)	Proposed Contours			
	LE 4.3 Native Species Hedge (untrimsed)				
	LE 4.4 Native Hedgerow With Trees				

Client

Project

LOWER THAMES CROSSING

Status	DCO Examination	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:1250		
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 24				
Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00025				

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