

Lower Thames Crossing

6.2 Environmental Statement

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

APFP Regulation 5(2)(a)

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

Volume 6

DATE: September 2023
DEADLINE: 4

Planning Inspectorate Scheme Ref: TR010032
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VERSION: 4.0

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

Lower Thames Crossing

6.2 Environmental Statement

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

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1.2 Section 9 (Sheets 1-21)	2
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1 Environmental Masterplan: Section 9

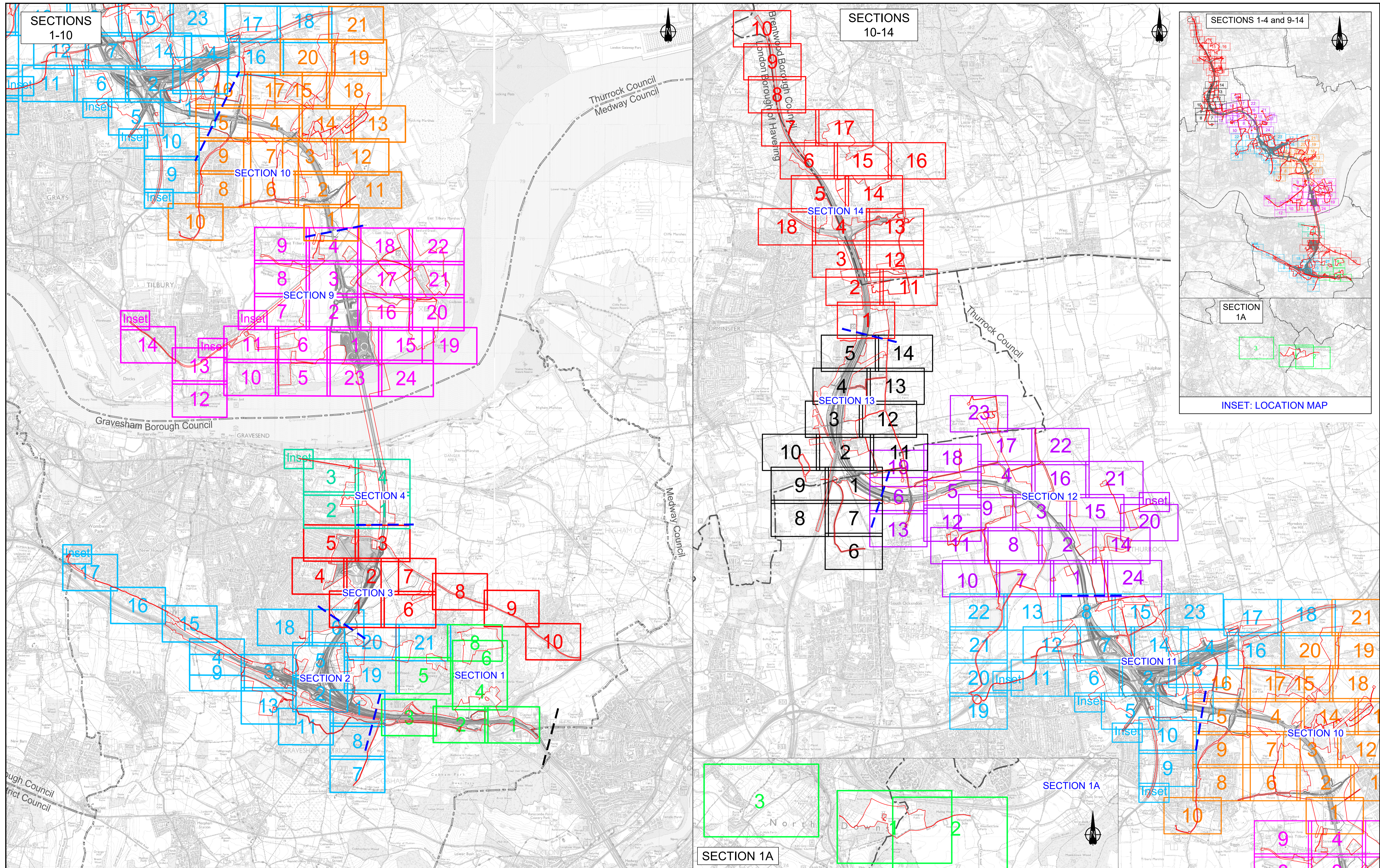
1.1 Schedule of Plans included in this application document

1.2 Section 9 (Sheets 1-21)

Drawing Number and Title	Application Document Ref	Revision
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00001 - Section 9 Overview	TR010032/APP/6.2	P02
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00002 - Section 9 Sheet 1	TR010032/APP/6.2	P02
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00003 - Section 9 Sheet 2	TR010032/APP/6.2	P02
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00004 - Section 9 Sheet 3	TR010032/APP/6.2	P02
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00005 - Section 9 Sheet 4	TR010032/APP/6.2	P03
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00006 - Section 9 Sheet 5	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00007 - Section 9 Sheet 6	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00008 - Section 9 Sheet 7	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00009 - Section 9 Sheet 8	TR010032/APP/6.2	P02
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00010 - Section 9 Sheet 9	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00011 - Section 9 Sheet 10	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00012 - Section 9 Sheet 11	TR010032/APP/6.2	P01.6

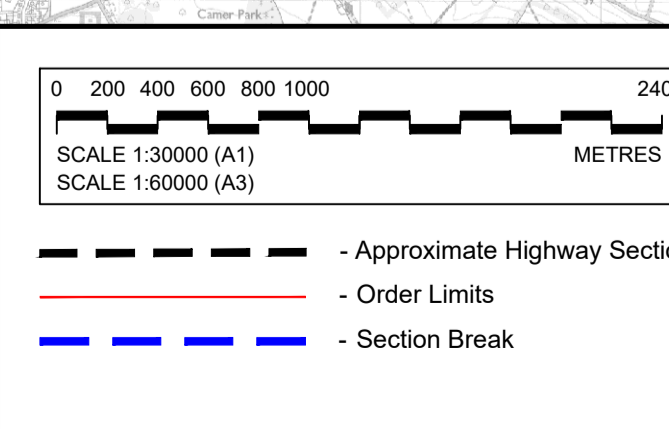
Drawing Number and Title	Application Document Ref	Revision
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00013 - Section 9 Sheet 12	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00014 - Section 9 Sheet 13	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00015 - Section 9 Sheet 14	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00016 - Section 9 Sheet 15	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00017 - Section 9 Sheet 16	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00018 - Section 9 Sheet 17	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00019 - Section 9 Sheet 18	TR010032/APP/6.2	P02
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00020 - Section 9 Sheet 19	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00021 - Section 9 Sheet 20	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00022 - Section 9 Sheet 21	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00023 - Section 9 Sheet 22	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00024 - Section 9 Sheet 23	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00025 - Section 9 Sheet 24	TR010032/APP/6.2	P01.2

1.3 Scheme Overview



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P01	S2	27/10/2022	LD
P02	S8	19/09/2023	DEADLINE 4
Rev	Status	Rev. Date	Purpose of revision
	Drawn	Check'd	Appr'd



Section Layout Key:

1	Section S1 (Sheets 1 - 8)	9	Section S9 (Sheets 1 - 24)
1A	Section S1A (Sheets 1 - 3)	10	Section S10 (Sheets 1 - 21)
2	Section S2 (Sheets 1 - 21)	11	Section S11 (Sheets 1 - 22)
3	Section S3 (Sheets 1 - 10)	12	Section S12 (Sheets 1 - 24)
4	Section S4 (Sheets 1 - 4)	13	Section S13 (Sheets 1 - 14)
5	Section S5 to S8: Project route in tunnel, therefore no Environmental Masterplan coverage	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	A1	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	AS SHOWN		
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 / Water Bodies
- 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

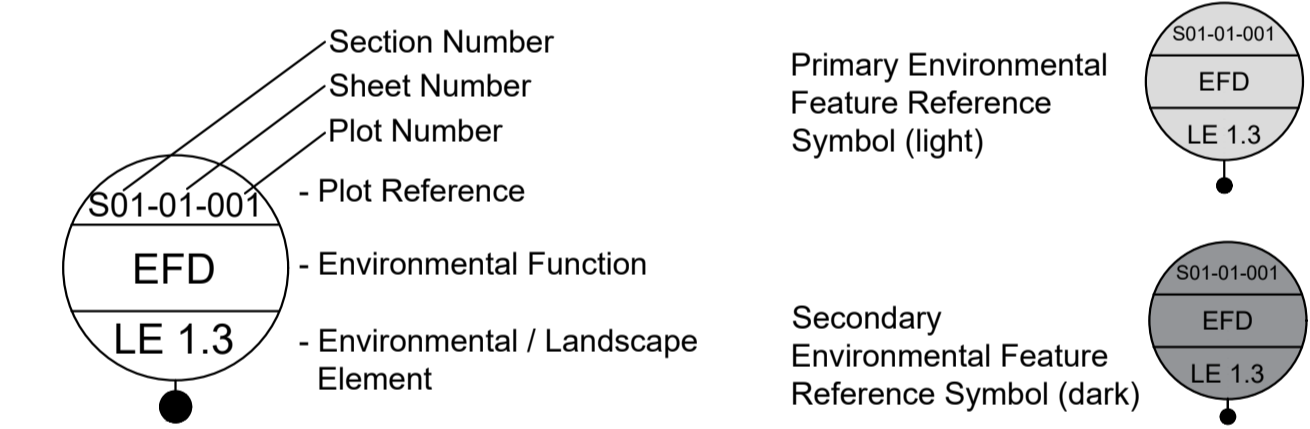
The outline Landscape and Ecology Management Plan (LEMP) separately sets out the proposed management for the environmental / landscape elements shown on the Environmental Masterplan. The Environment Masterplan secures the spatial extent and location of the environmental / landscape elements detailed 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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Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

LOWER THAMES CROSSING

Status: Initial Status or WIP

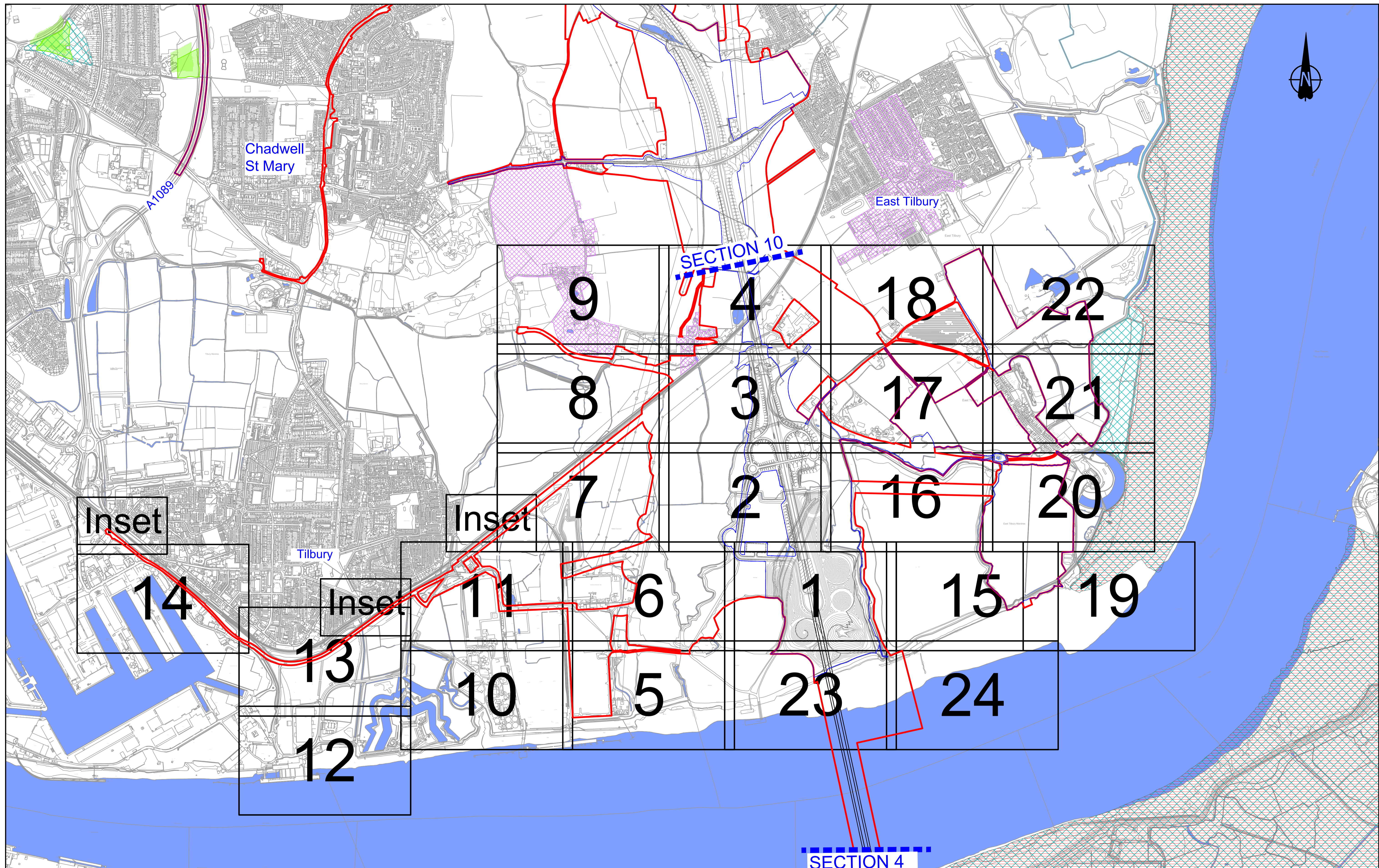
Application Document Number: TR010032/APP/6.2

Drawing title: ENVIRONMENTAL MASTERPLAN LEGEND

Drawing Number: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001

Original Size: A1	Revision: P01.6
Scale	

1.5 Section 9



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0 50 100 150 200 250 300 350 400 450 500
SCALE 1:5000 (A1)
SCALE 1:10000 (A3)
METRES

P01	S2	27/10/2022	DCO Application	SA	PS	MH
P02	S8	19/09/2023	Deadline 4	LD	SK	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd

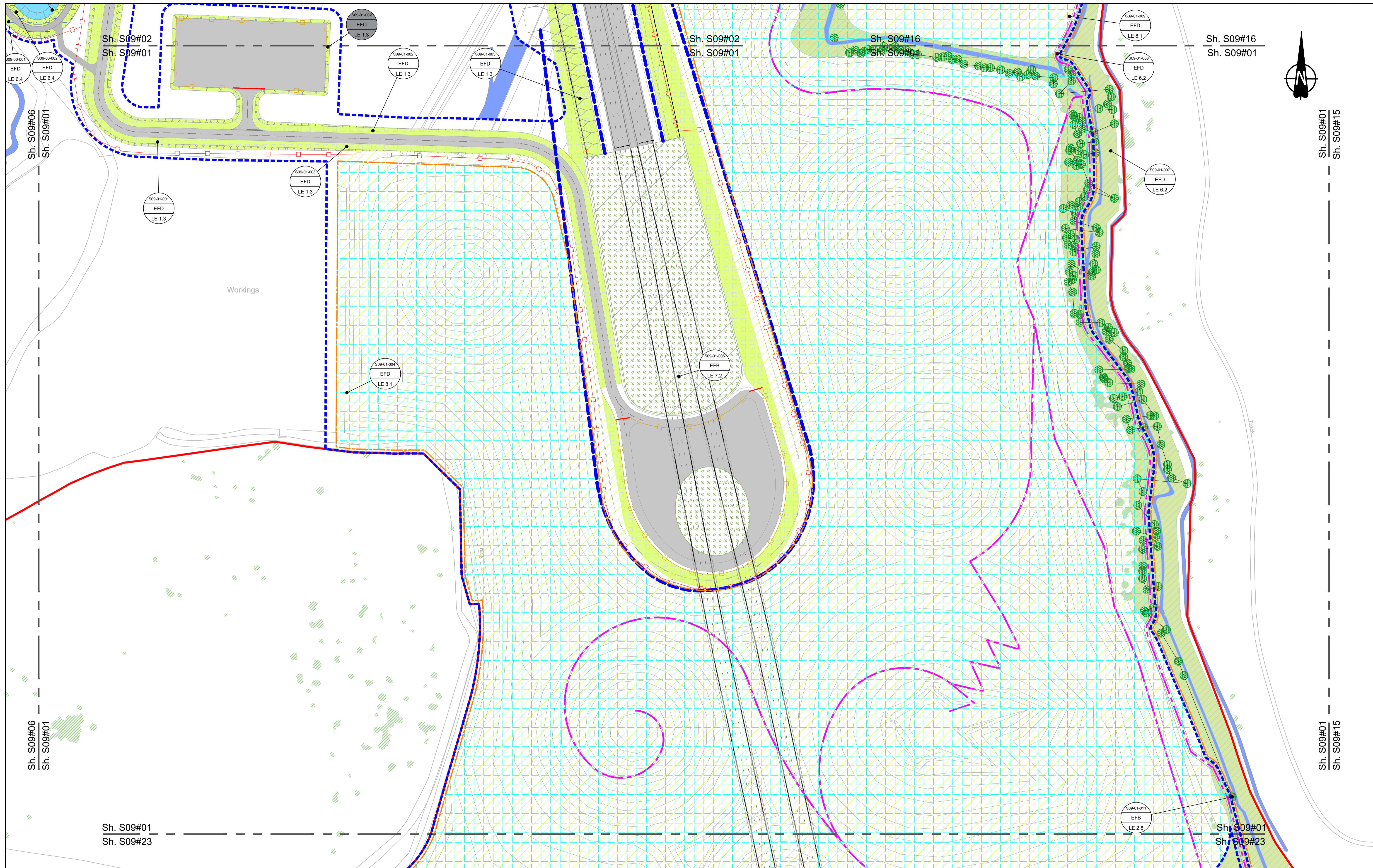
LEGEND

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

Client
national highways

Project
LOWER THAMES CROSSING

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P02
Scale	AS SHOWN		
Drawing title	ENVIRONMENTAL MASTERPLAN OVERVIEW PLAN SECTION 9		
Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00001		



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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	DCO Application	SA	PS	MH
P02	S9	19/07/2023	Deadline 2	LD	SK	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'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)	LE 2.5 Shrubs With Intermittent Trees	Individual Trees (LE 5)
Permanent Acquisition of Land	LE 2.1 Woodland	LE 2.7 Scattered Trees	LE 5.1 Individual Trees
Grassland (LE 1)	LE 2.11 Woodland With Non-Native Species	Wetland Habitats (LE 6)	Wetland Habitats (LE 6)
LE 1.3 Species Rich Grassland	LE 2.14 Wet / Carr Woodland	LE 6.1 Water Bodies - Standing Water	LE 6.11 Water Bodies - Coastal Grazing Marsh
LE 1.31 Species Rich Chalk Grassland	LE 2.2 Woodland Edge	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape	LE 6.41 Marsh and Wet Grassland
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.22 Scrub Woodland	LE 6.2 Banks and Ditches	LE 6.42 Reinforced Earth Bund
LE 1.4 Rock and Scree	LE 2.4 Linear Belt of Shrubs and Trees	Hedges (LE 4)	Hard Landscape Features (LE 7)
		LE 4.3 Native Species Hedge (untrimmed)	LE 7.4 Reinforced Earth Bund
		LE 4.4 Native Hedgerow With Trees	Earthworks
			Proposed Contours

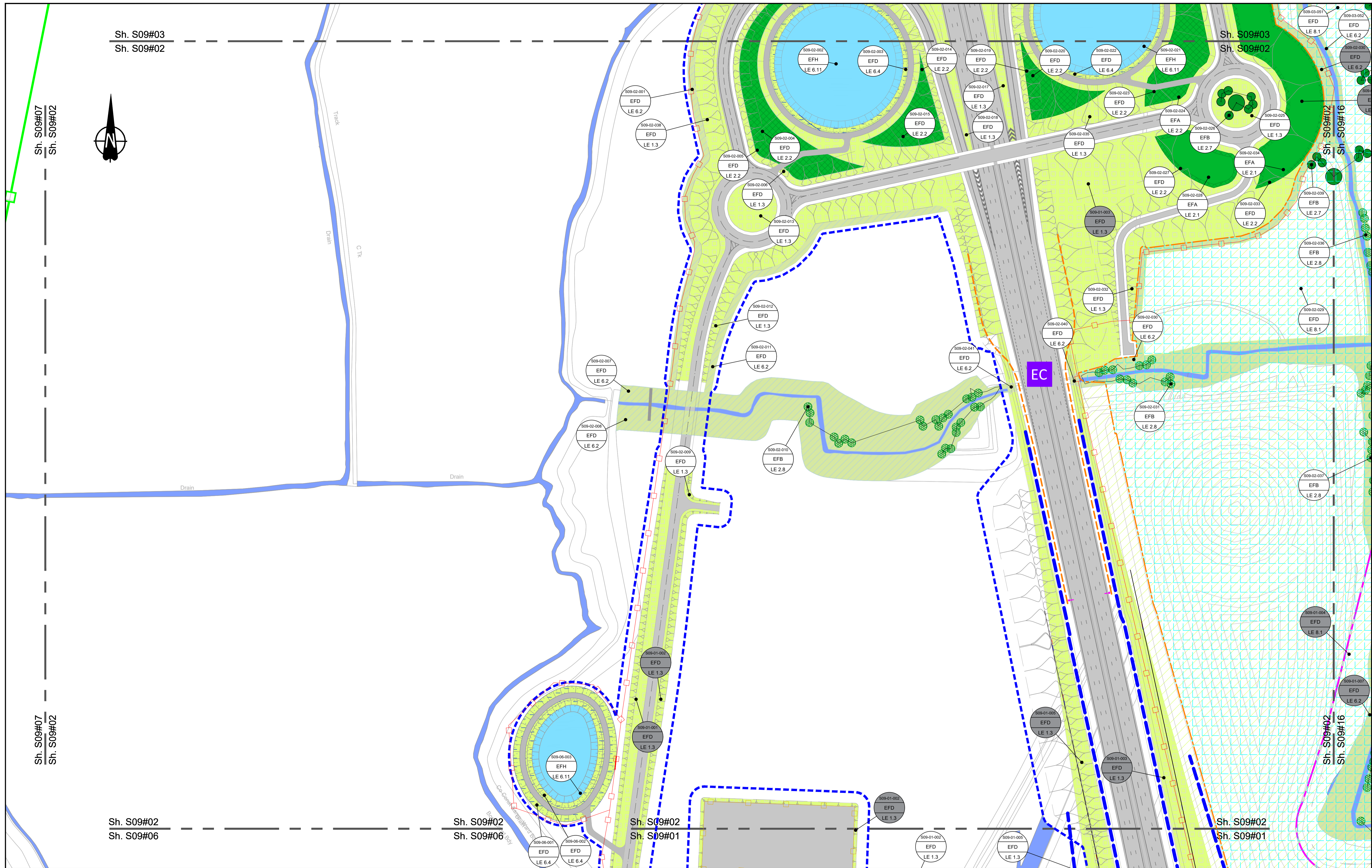
Ecological Habitats (LE 8)	Noise (E 1)	Ecological (E 3)
LE 8.1 Open Mosaic Habitat	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
LE 8.2 Ancient Woodland Compensation Planting	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 8.3 Woodland Mitigation Planting	Water (E 2)	E 3.2 Ecological Culvert
LE 8.4 Wetland / Fenland Creation	Flood Compensation Areas (E 2-FCA)	E 3.2 Bat Boxes
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		

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 Culvert
E 3.2 Ecological Fencing (inc. highway boundary fence)	E 3.2 Bat Boxes
E 3.2 Ecological Culvert	E 3.2 Bat Barn Block

Client: national highways

Project: LOWER THAMES CROSSING

Status: PINS Submission	Original Size: A1	Revision: P02
Application Document Number: TR010032/APP/6.2	Scale: 1:1250	
Drawing title: ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 1		
Drawing Number: HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00002		



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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	DCO Application	SA	PS	MH
P02	S9	19/07/2023	Deadline 2	LD	SK	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

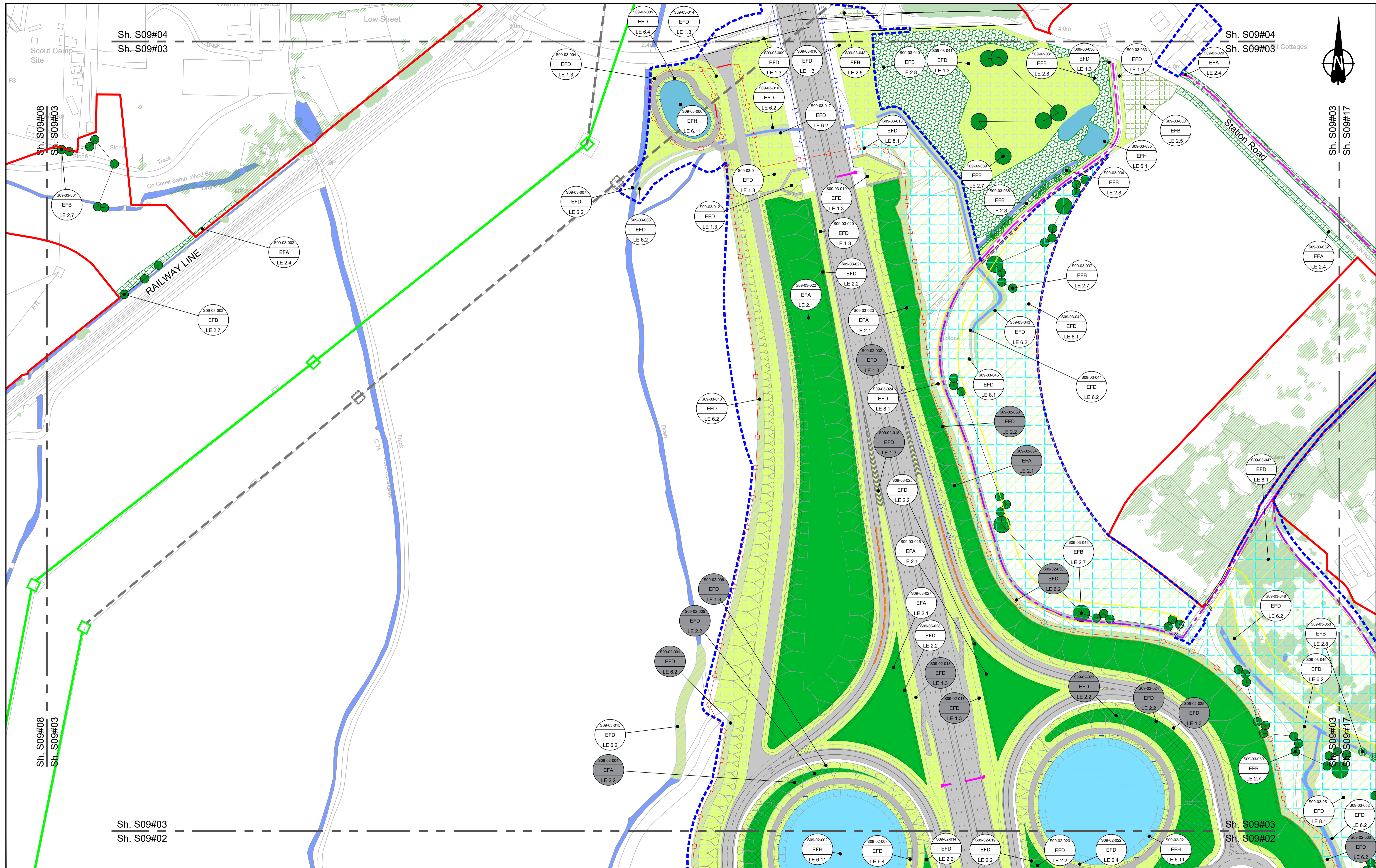
Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-000001).

Order Limits Order Limits	Planting (LE 2) LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species 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	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	Wetland Habitats (LE 6) LE 6.4 Wet Grassland LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh 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) 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 Bat Barn Box E 3.2 Ecological Fencing (inc. highway boundary fence)
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Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	PINS Submission	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:1250		
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 2				
Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-000003				



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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.

Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
P02	S9	24/08/2023	Deadline 3	LD	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	Grassland (LE 1)	Planting (LE 2)	Individual Trees (LE 5)	Wetland Habitats (LE 6)	Hard Landscape Features (LE 7)	Earthworks
Order Limits	LE 1.3 Species Rich Grassland	LE 2.1 Woodland	LE 5.1 Individual Trees	LE 6.1 Wet Grassland	LE 7.4 Reinforced Earth Band	Proposed Contours
Permanent Acquisition of Land	LE 1.31 Species Rich Chalk Grassland	LE 2.11 Woodland With Non-Native Species	LE 5.2 Scattered Trees	LE 6.2 Ancient Woodland Compensation Planting	LE 7.5 Wet Grassland - Coastal Grazing Marsh	High Tide Root Features
	LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.14 Wet / Carr Woodland	LE 5.3 Hedgerow	LE 6.3 Woodland Mitigation Planting	LE 7.6 Woodland Planting	
	LE 1.4 Rock and Stone	LE 2.2 Woodland Edge	LE 5.4 Native Species Hedge (untrimmed)	LE 6.4 Wetland / Farmland Creation	LE 7.7 Woodland Elements (typically inc. Highway boundary fence)	
		LE 2.22 Scrub Woodland	LE 5.5 Native Hedgerow With Trees	LE 6.5 Ecology Pond (indicative symbol only)	LE 7.8 Ecological Fencing (inc. highway boundary fence)	
		LE 2.4 Linear Belt of Shrubs and Trees		LE 6.6 Acid Grassland Soil Salvage		

Ecological Habitats (LE 8)	Noise (E 1)	Water (E 2)	Ecological (E 3)	Ecological (E 3)
LE 8.1 Open Mosaic Habitat	LE 1.2 Acoustic Barrier-Built Elements (typically inc. Highway boundary fence)	LE 2.1 Flood Compensation Areas (E 2-FCA)	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 8.2 Ancient Woodland Compensation Planting		LE 2.2 Flood Defence (E 2-FD)	E 3.2 Dormouse Boxes	
LE 8.3 Woodland Mitigation Planting			E 3.2 Bat Boxes	
LE 8.4 Wetland / Farmland 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				

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO EXAMINATION

Application Document Number: TR010032/APP/6.2

Scale: 1:1250

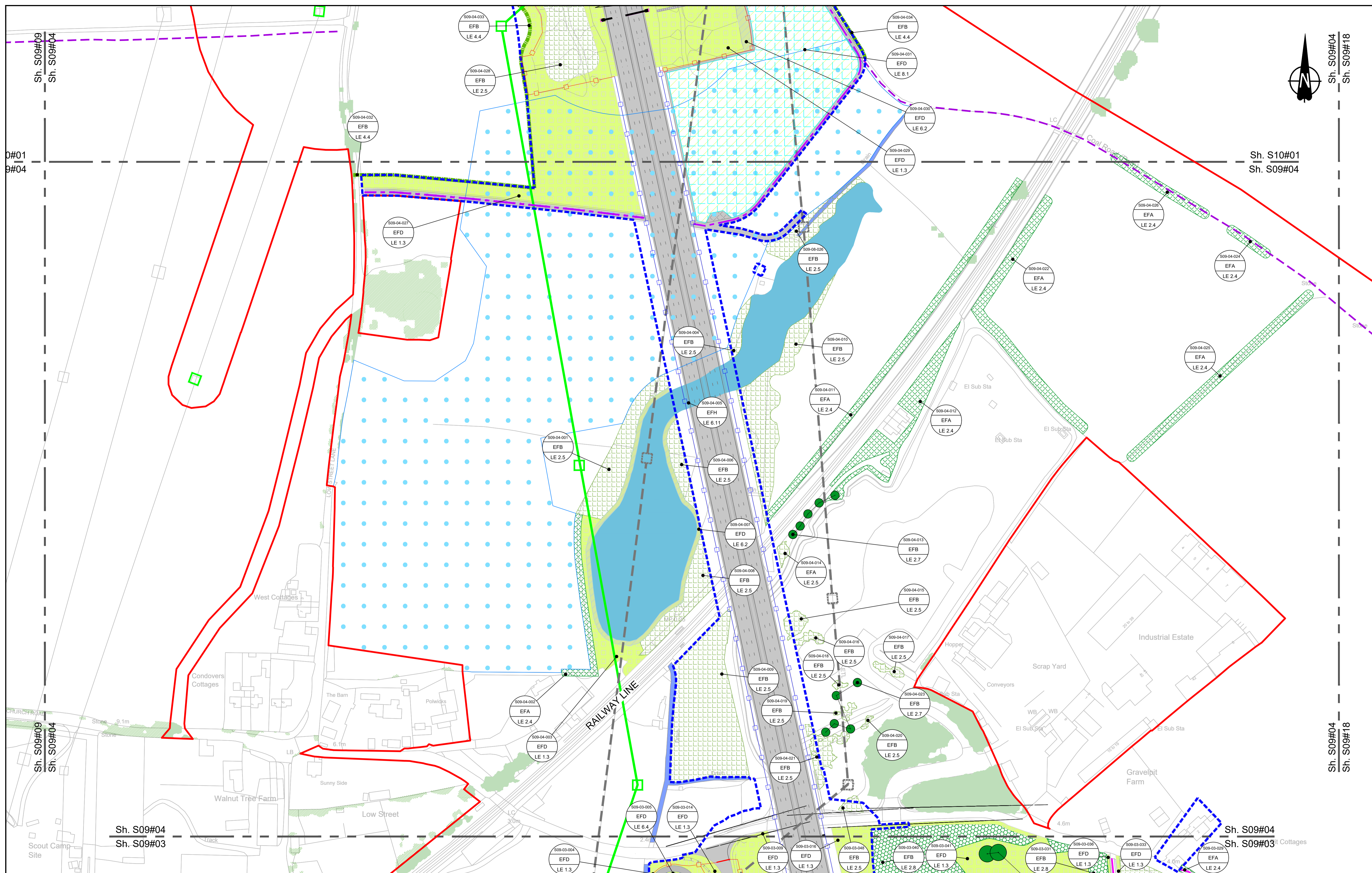
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Revision: P02

Drawing Title: ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 3

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

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.

P02	S8	24/08/2023	Deadline 3	LD	RO	BF
P03	S8	19/09/2023	Deadline 4	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)	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 Marsh and Wet Grassland - Coastal Grazing Marsh
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 4.4 Native Hedgerow With Trees

LE 6.4 Wet Grassland	Ecological (E 3)	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area
LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species	Noise (E 1)
LE 6.42 Ancient Woodland Compensation Planting	E 3.2 Dormouse Boxes	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)
LE 6.43 Woodland Mitigation Planting	E 3.2 Bat Boxes	Water (E 2)
LE 6.44 Wetland / Fenland Creation	E 3.2 Ecological Culvert	Flood Compensation Areas (E 2-FC)
LE 6.45 Wetland / Fenland Creation	E 3.2 Bat Barn Block	Flood Defence (E 2-FD)
LE 6.46 Ecology Pond (indicative symbol only)		Earthworks
LE 6.47 Acid Grassland Soil Salvage		Proposed Contours

Client

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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FOR ENVIRONMENTAL MASTERPLAN**

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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.

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P01.6	SO	27/07/2022				

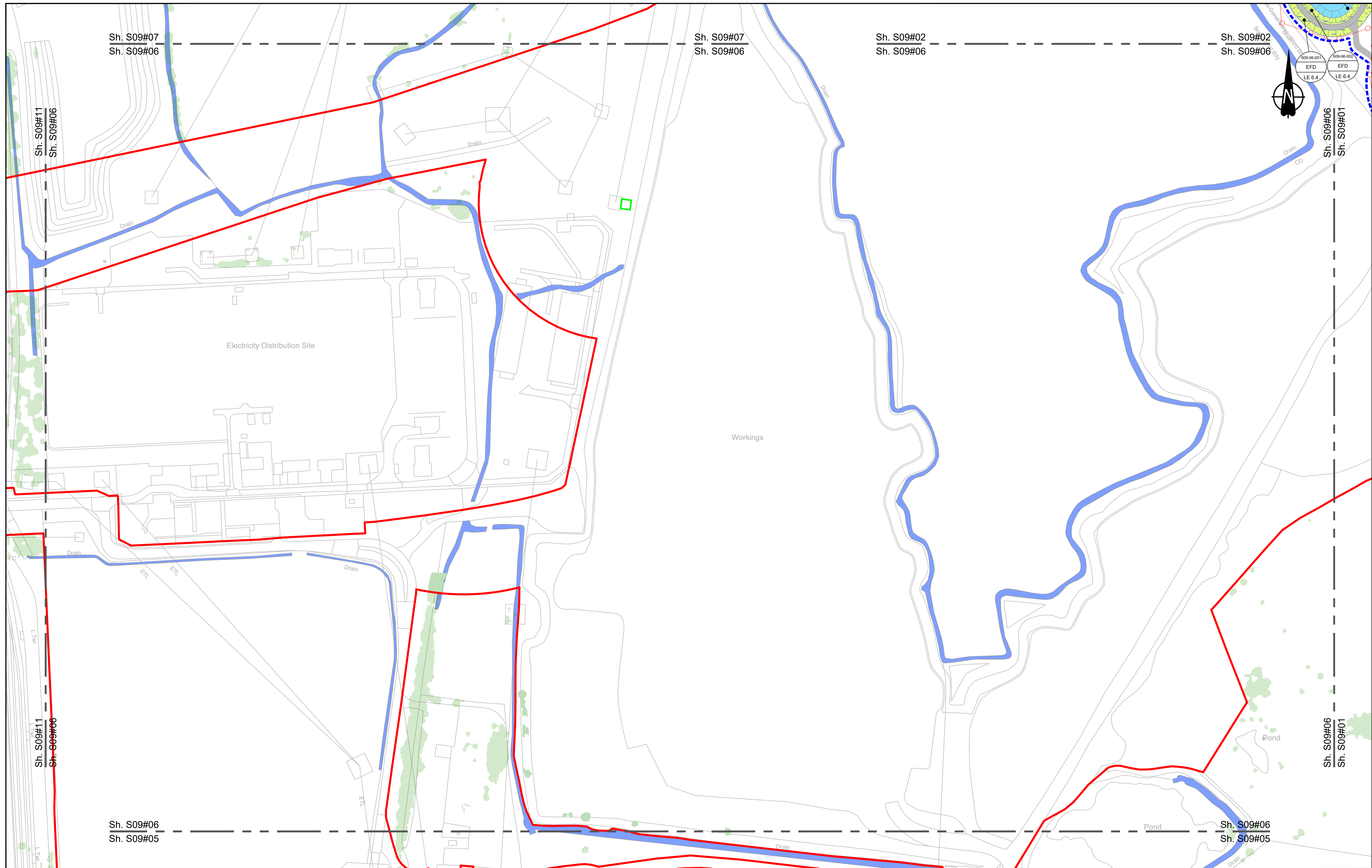
Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

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 LE 2.8 Scrub / Scattered Scrub Hedges (LE 4) LE 4.3 Native Species Hedge (untrimm'd) 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 Barks 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 Band 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 / Farmland 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	Initial Status or WIP	Original Size	A1	Revision	P01.6
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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SCALE 1:2500 (A3)
METRES

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P01.6	SO	08/08/2022				LD

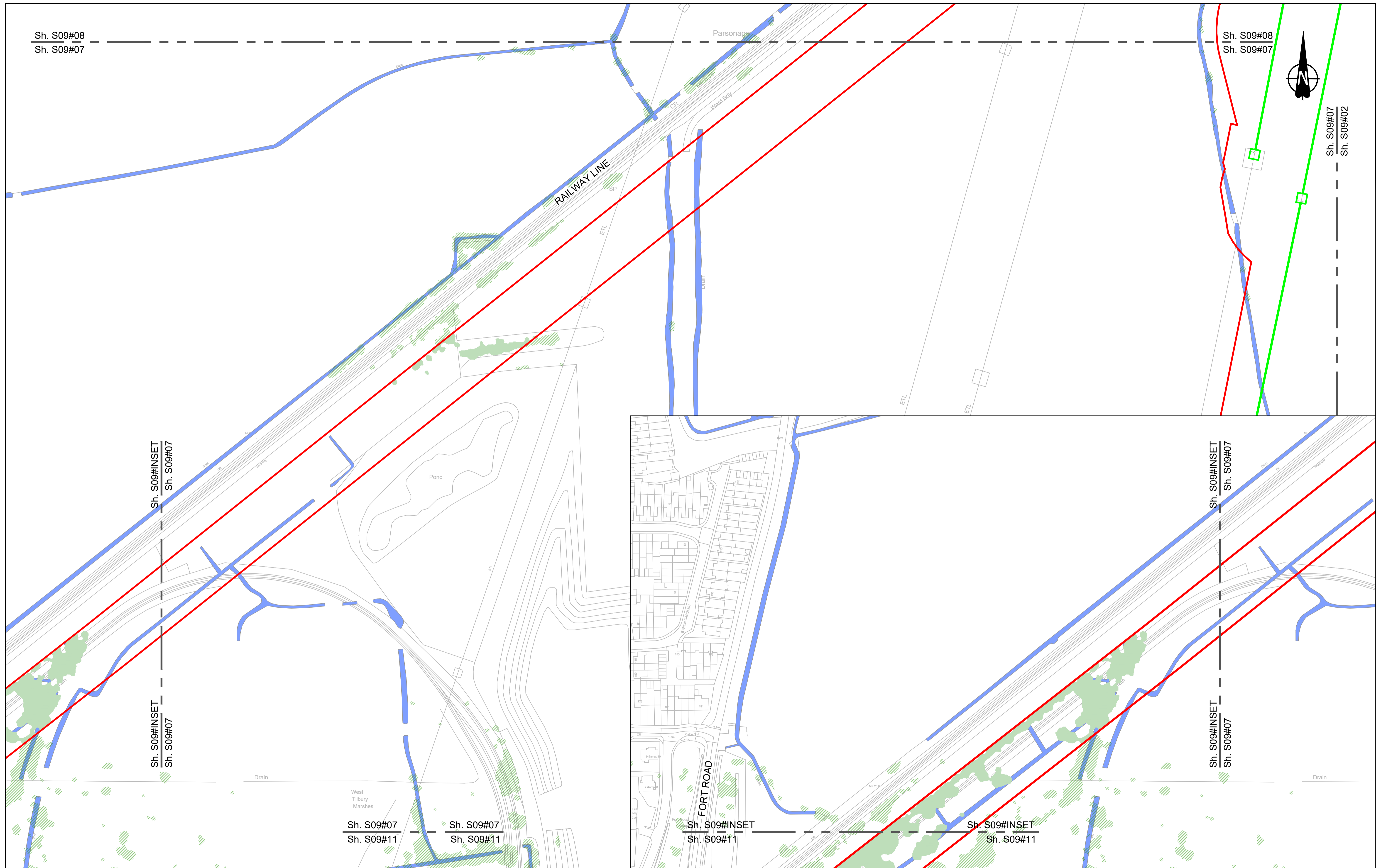
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<p>Order Limits</p> <ul style="list-style-type: none"> Order Limits Permanent Acquisition of Land <p>Grassland (LE 1)</p> <ul style="list-style-type: none"> LE 1.3 Species Rich Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual 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>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>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 Root Features 	<p>Wet Grassland (LE 6.4)</p> <ul style="list-style-type: none"> LE 6.4 Wet Grassland <p>Marsh and Wet Grassland - Coastal Grazing Marsh (LE 6.41)</p> <ul style="list-style-type: none"> LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh <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>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>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 <p>E 3.2 Ecological Fencing (inc. highway boundary fence)</p> <ul style="list-style-type: none"> 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	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.6
Scale	1:1250		
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 6		
Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00007		



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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.

P01.6 SO 28/07/2022

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

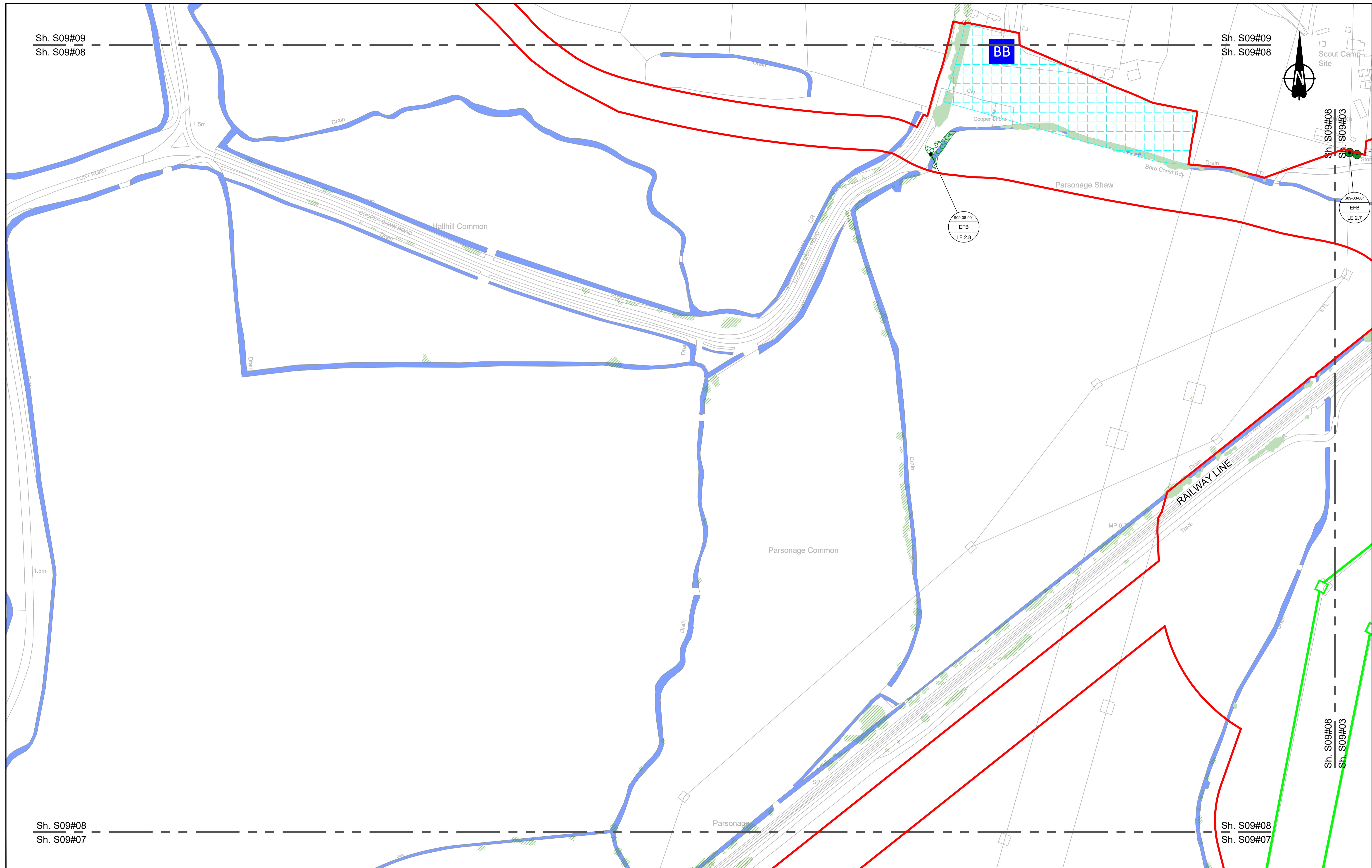
Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

Order Limits	Planting (LE 2)	Individual Trees (LE 5)	Ecological Habitats (LE 8)	Noise (E 1)	Ecological (E 3)
<ul style="list-style-type: none"> Order Limits Permanent Acquisition of Land 	<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 	<ul style="list-style-type: none"> LE 5.1 Individual Trees Wetland Habitats (LE 6) <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 	<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 	<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) 	<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
<ul style="list-style-type: none"> Grassland (LE 1) <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 	<ul style="list-style-type: none"> LE 2.5 Shrubs With Intermittent Trees LE 2.7 Scattered Trees LE 2.8 Scrub / Scattered Scrub Hedges (LE 4) <ul style="list-style-type: none"> LE 4.3 Native Species Hedge (untrimsed) LE 4.4 Native Hedgerow With Trees 	<ul style="list-style-type: none"> LE 6.4 Wet Grassland LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh LE 7.4 Reinforced Earth Bund Earthworks <ul style="list-style-type: none"> Proposed Contours 	<ul style="list-style-type: none"> LE 7.4 Reinforced Earth Bund Earthworks <ul style="list-style-type: none"> Proposed Contours 	<ul style="list-style-type: none"> E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence) Flood Compensation Areas (E 2-FCA) Flood Defence (E 2-FD) 	<ul style="list-style-type: none"> E 3.2 Ecological Fencing (inc. highway boundary fence) E 3.2 Barn Owl Box

Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.6
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)
METRES

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P02	S9	24/08/2023	Deadline 3	LD	RO	BF

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>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 Root 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 8.5 Ecology Pond (indicative symbol only) LE 8.6 Acid Grassland Soil Salvage 	<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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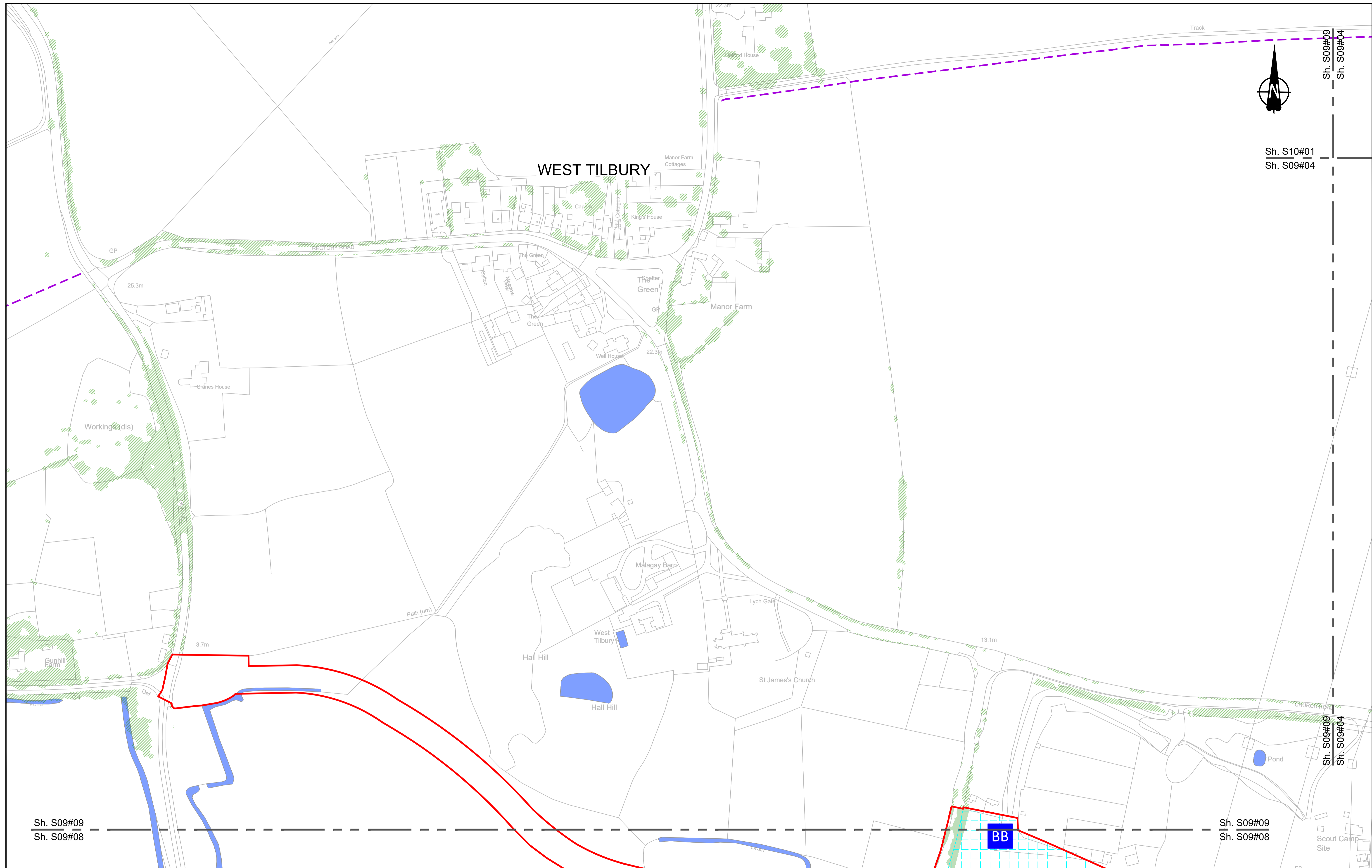
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status: DCO EXAMINATION
Application Document Number: TR010032/APP/6.2
Drawing title: ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 8
Drawing Number: HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00009

Original Size: A1
Scale: 1:1250
Revision: P02

HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00009.dwg



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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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	Chkd	Apprvd
P01.6	SO	28/07/2022				

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

Grassland (LE 1)	Planting (LE 2)	Individual Trees (LE 5)	Wetland Habitats (LE 6)	Hard Landscape Features (LE 7)	Earthworks
LE 1.3 Species Rich Grassland	LE 2.1 Woodland	LE 5.1 Individual Trees	LE 6.1 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 7.4 Reinforced Earth Band	Proposed Contours
LE 1.31 Species Rich Chalk Grassland	LE 2.11 Woodland With Non-Native Species	LE 5.2 Scattered Trees	LE 6.2 Barks and Ditches	LE 7.4.1 Reinforced Earth Band	
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.14 Wet / Carr Woodland	LE 5.3 Hedgerow	LE 6.2.1 Banks and Ditches - High Tide Root Features		
LE 1.4 Rock and Scree	LE 2.2 Woodland Edge	LE 5.4 Native Hedgerow With Trees			
	LE 2.22 Scrub Woodland				
	LE 2.4 Linear Belt of Shrubs and Trees				

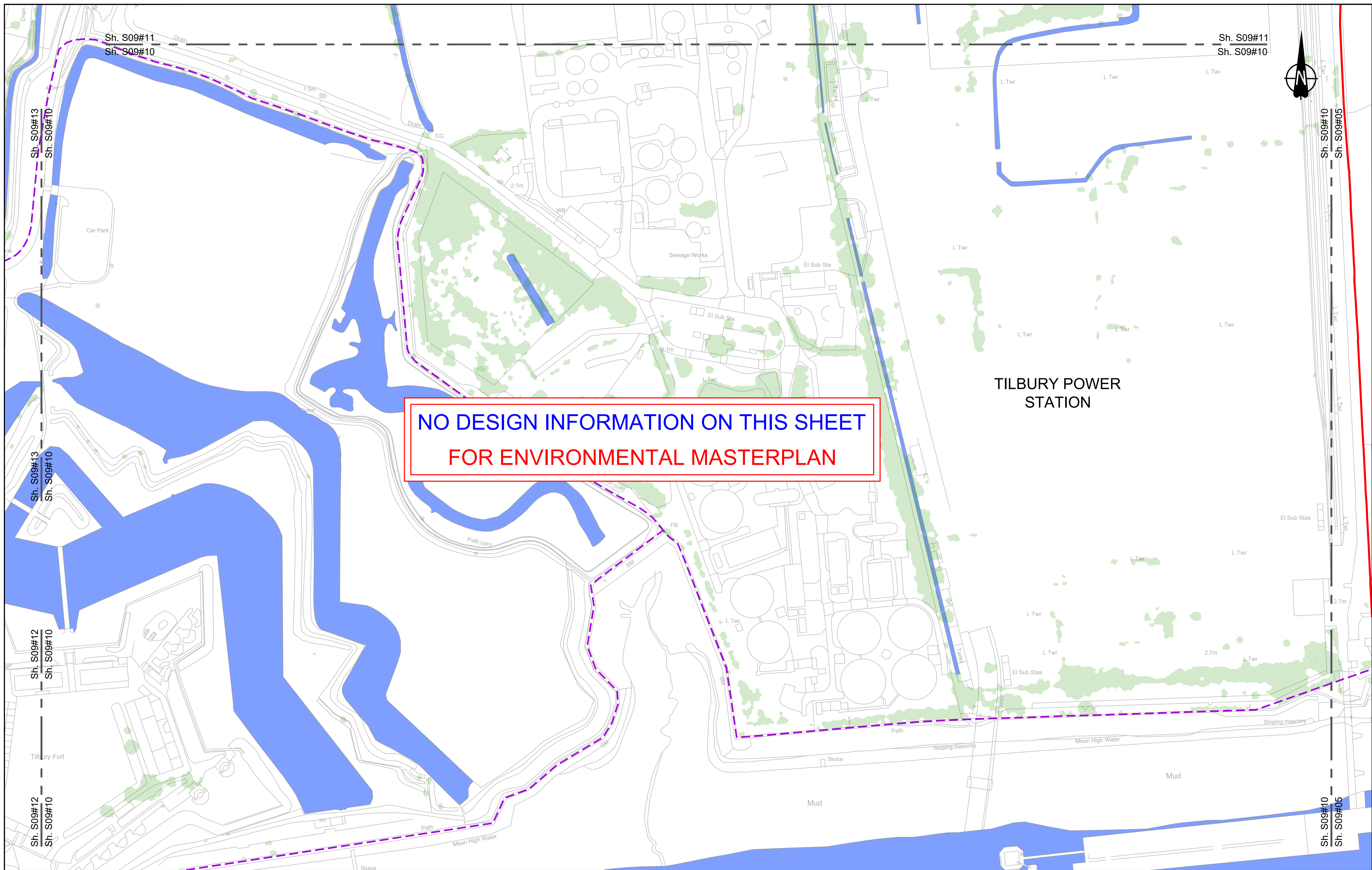
Ecological Habitats (LE 8)	Noise (E 1)	Water (E 2)	Ecological (E 3)
LE 8.1 Open Mosaic Habitat	LE 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	LE 2.1 Flood Compensation Areas (E 2-FCA)	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
LE 8.2 Ancient Woodland Compensation Planting		LE 2.2 Ecology Pond (indicative symbol only)	E 3.2.1 Ecological Fencing (inc. highway boundary fence)
LE 8.3 Woodland Mitigation Planting			E 3.2.2 Bat Boxes
LE 8.4 Wetland / Farmland Creation			E 3.2.3 Bat Boxes
LE 8.5 Ecology Pond (indicative symbol only)			E 3.2.4 Bat Boxes
LE 8.6 Acid Grassland Soil Salvage			E 3.2.5 Bat Boxes

Client	Project	Status	Application Document Number	Drawing title	Drawing Number
national highways	LOWER THAMES CROSSING	Initial Status or WIP	TR010032/APP/6.2	ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 9	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00010

Original Size	Revision
A1	P01.6

Scale 1:1250

HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00010.dwg



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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.

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P01.6	SO	28/07/2022				

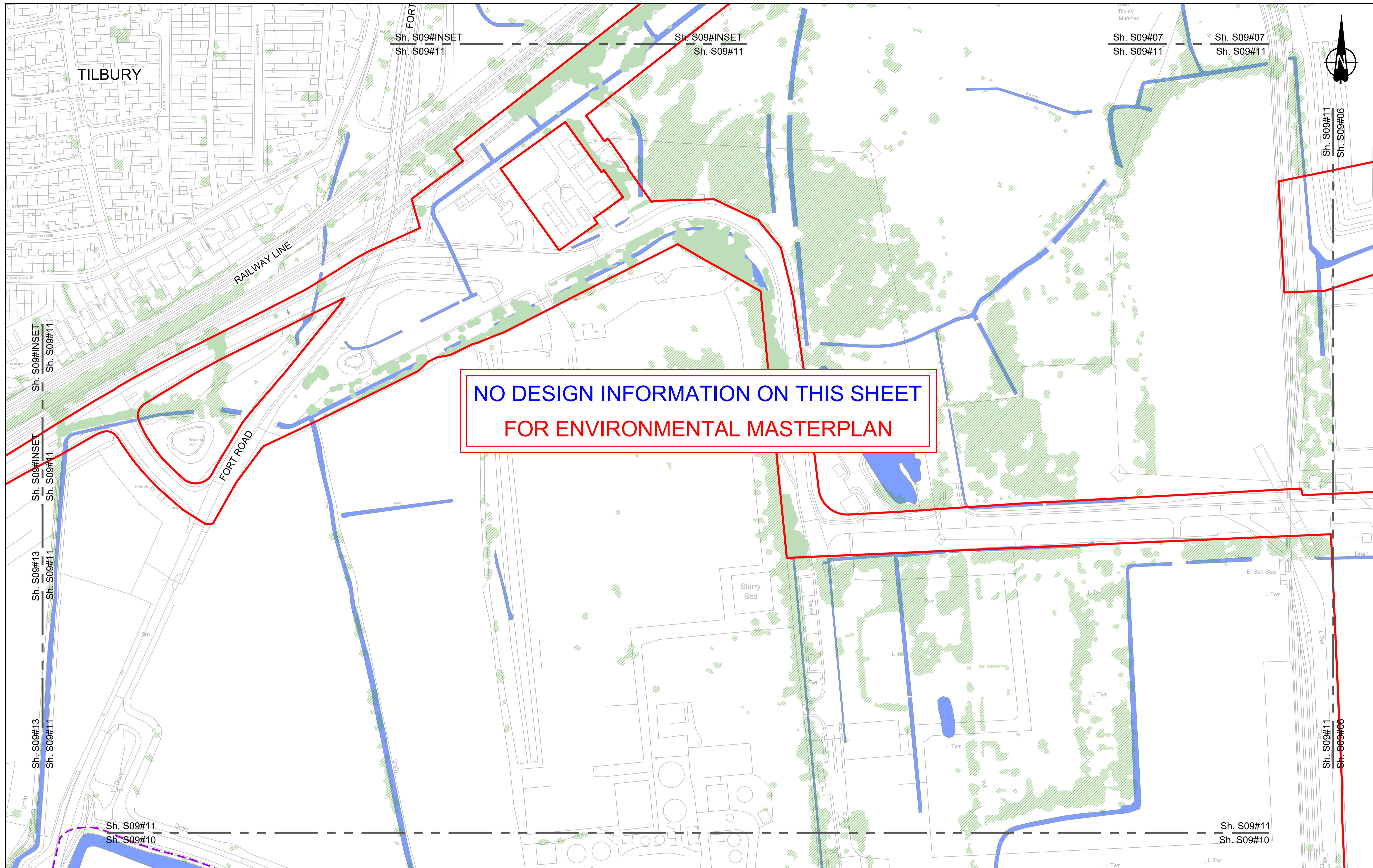
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<p>Order Limits</p> <ul style="list-style-type: none"> Order Limits Permanent Acquisition of Land <p>Grassland (LE 1)</p> <ul style="list-style-type: none"> LE 1.3 Species Rich Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual 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>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>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 Root Features 	<p>Wetland Habitats (LE 6)</p> <ul style="list-style-type: none"> LE 6.4 Marsh and Wet Grassland - Coastal Grazing Marsh <p>Hard Landscape Features (LE 7)</p> <ul style="list-style-type: none"> LE 7.4 Reinforced Earth Band <p>Earthworks</p> <ul style="list-style-type: none"> Proposed Contours 	<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 / Farmland Creation LE 8.5 Ecology Pond (indicative symbol only) LE 8.6 Acid Grassland Soil Salvage 	<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 Bat Boxes E 3.2 Ecological Culvert E 3.2 Bat Barn Block <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	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.6
Scale	1:1250		
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 10		
Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00011		
	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00011.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.

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd
P01.6	50	28/07/2022				

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 (untrimmied) 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 Root Features 	<p>Wet Grassland (LE 6.4)</p> <ul style="list-style-type: none"> LE 6.4 Wet Grassland LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh <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>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>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 Ecological Fencing (inc. highway boundary fence) E 3.2 Barn Owl Box
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Client: national highways

Project: LOWER THAMES CROSSING

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.6
Scale	1:1250		
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 11		
Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00012		

HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00012.dwg

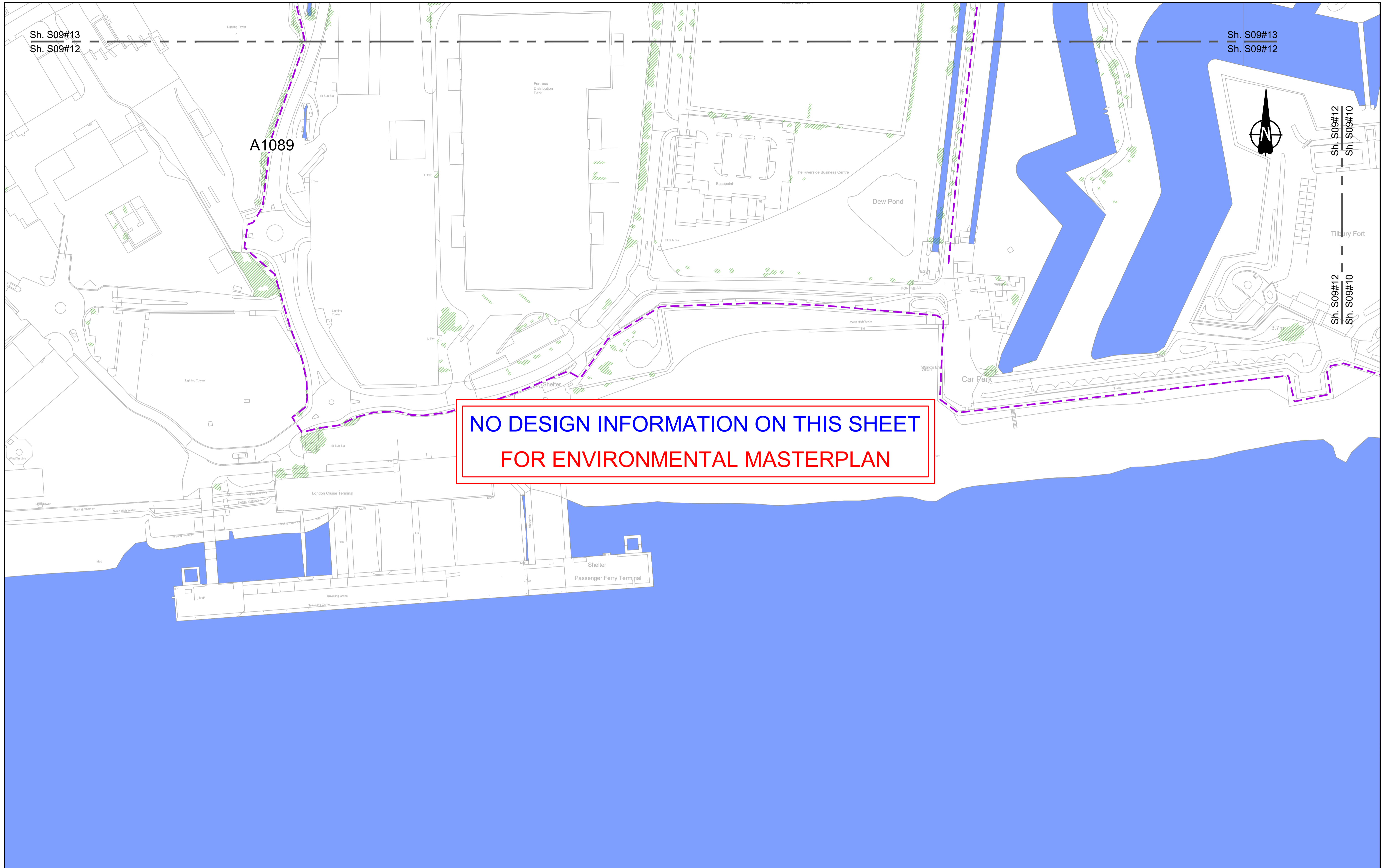
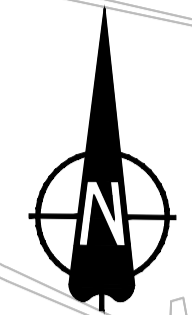
Sh. S09#13
Sh. S09#12

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



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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.

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P01.6	SO	28/07/2022				

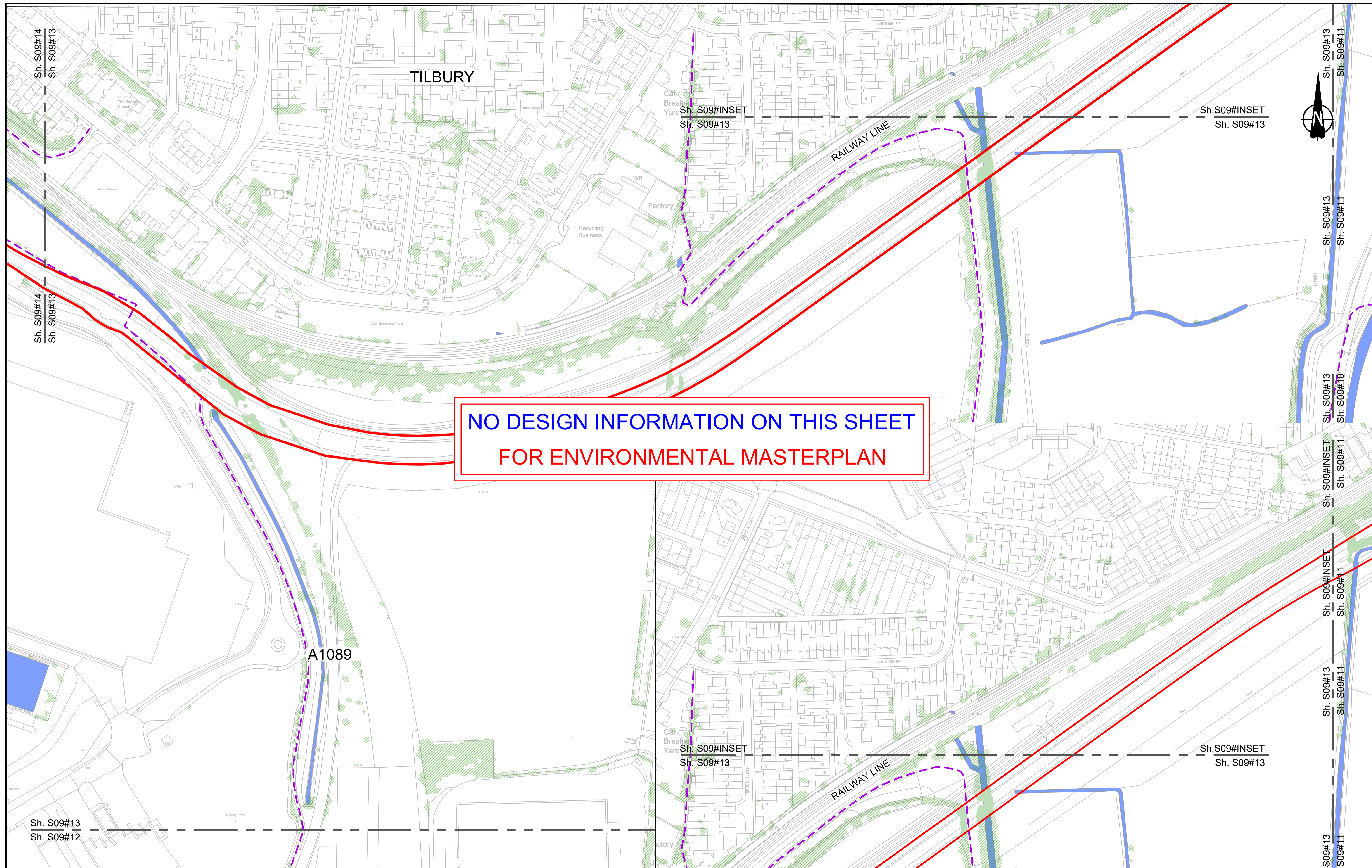
Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

<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 (untrimmed) 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 Root Features 	<p>Wetland Habitats (LE 6)</p> <ul style="list-style-type: none"> LE 6.4 Marsh and Wet Grassland - Coastal Grazing Marsh <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>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 / Farmland Creation LE 8.5 Ecology Pond (indicative symbol only) LE 8.6 Acid Grassland Soil Salvage 	<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 Ecological Fencing (inc. highway boundary fence) E 3.2 Barn Owl Box
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Client:

Project: **LOWER THAMES CROSSING**

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.6
Scale	1:1250		
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 12		
Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00013		



NO DESIGN INFORMATION ON THIS SHEET
FOR ENVIRONMENTAL MASTERPLAN

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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.

P01.6 50 28/07/2022

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	Grassland (LE 1)	Planting (LE 2)	Individual Trees (LE 5)	Wetland Habitats (LE 6)	Hard Landscape Features (LE 7)	Earthworks
Order Limits	LE 1.3 Species Rich Chalk Grassland	LE 2.1 Woodland	LE 5.1 Individual Trees	LE 6.1 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 7.4 Reinforced Earth Bund	Proposed Contours
Permanent Acquisition of Land	LE 1.31 Species Rich Annual Wildflower Grassland	LE 2.2 Woodland Edge	LE 5.2 Scattered Trees	LE 6.2 Barks and Ditches	LE 7.7 Reinforced Earth Bund	High Tide Roost Features
Grassland (LE 1)	LE 1.4 Rock and Scree	LE 2.2.2 Scrub Woodland	LE 5.3 Hedgerow With Trees	LE 6.4 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 7.8 Reinforced Earth Bund	
		LE 2.2.4 Linear Belt of Shrubs and Trees				

Ecological Habitats (LE 8)	Noise (E 1)	Water (E 2)	Ecological (E 3)
LE 8.1 Open Mosaic Habitat	LE 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	LE 2.7 Nitrogen Deposition (NDEP) Compensation Area	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
LE 8.2 Ancient Woodland Compensation Planting	Flood Compensation Areas (E 2-FCA)	LE 8.3 Woodland Mitigation Planting	E 3.2 Dormouse Boxes
LE 8.4 Wetland / Farmland Creation	Flood Defence (E 2-FD)	LE 8.5 Ecology Pond (indicative symbol only)	E 3.2 Bat Boxes
LE 8.6 Acid Grassland Soil Salvage			E 3.2 Ecological Culvert
			E 3.2 Bat Barn Block

Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.6
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

**NO DESIGN INFORMATION ON THIS SHEET
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.

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P01.6	50	28/07/2022				

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

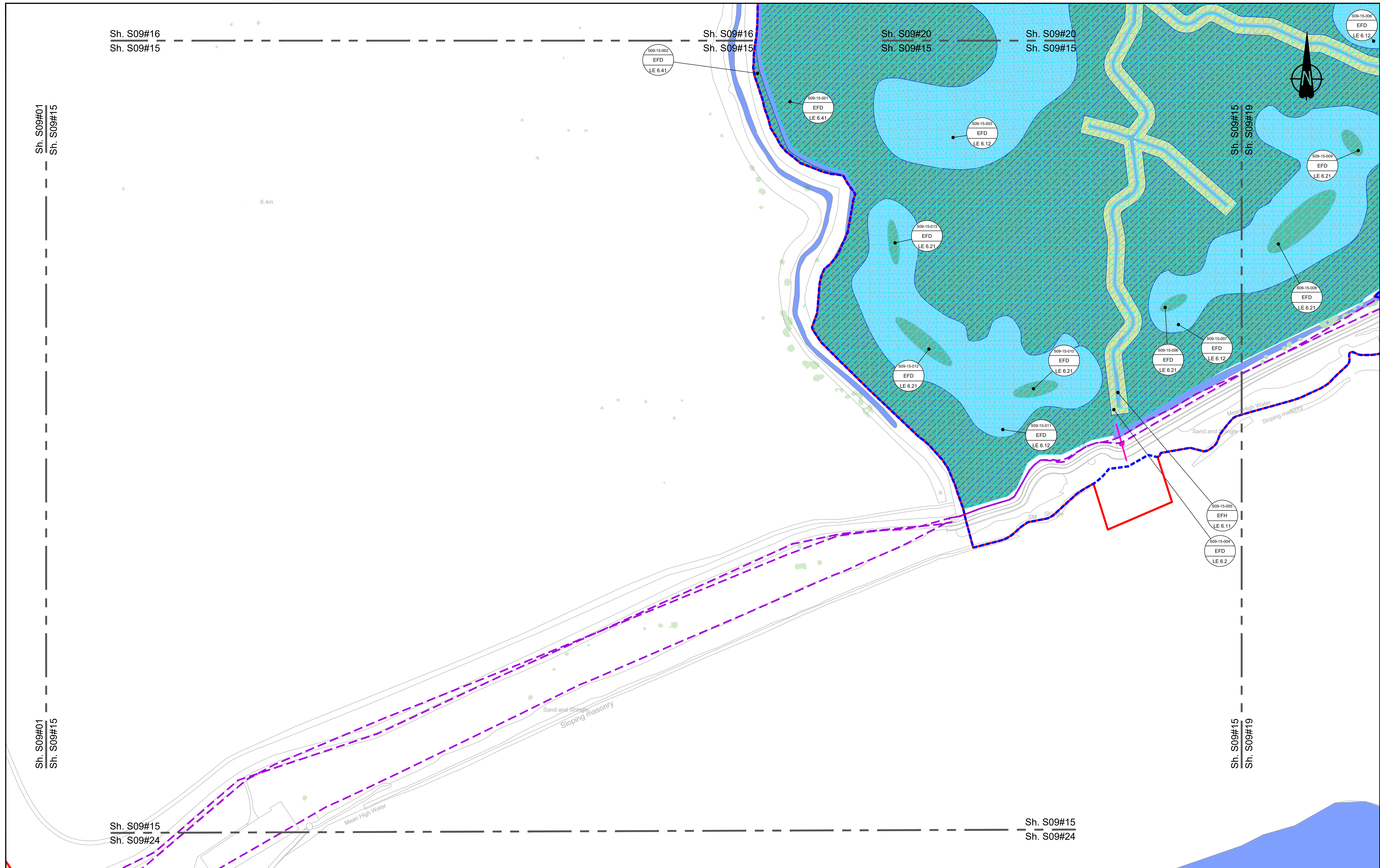
Order Limits Order Limits Permanent Acquisition of Land Grassland (LE 1) LE 1.3 Species Rich Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual Wildflower Grassland LE 1.4 Rock and Scree	Planting (LE 2) LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species LE 2.14 Wet / Carr 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 Band 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 / Farmland 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: Initial Status or WIP	Original Size: A1	Revision: P01.6
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		

HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00015.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.

P01.6 SO 08/08/2022 LD

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

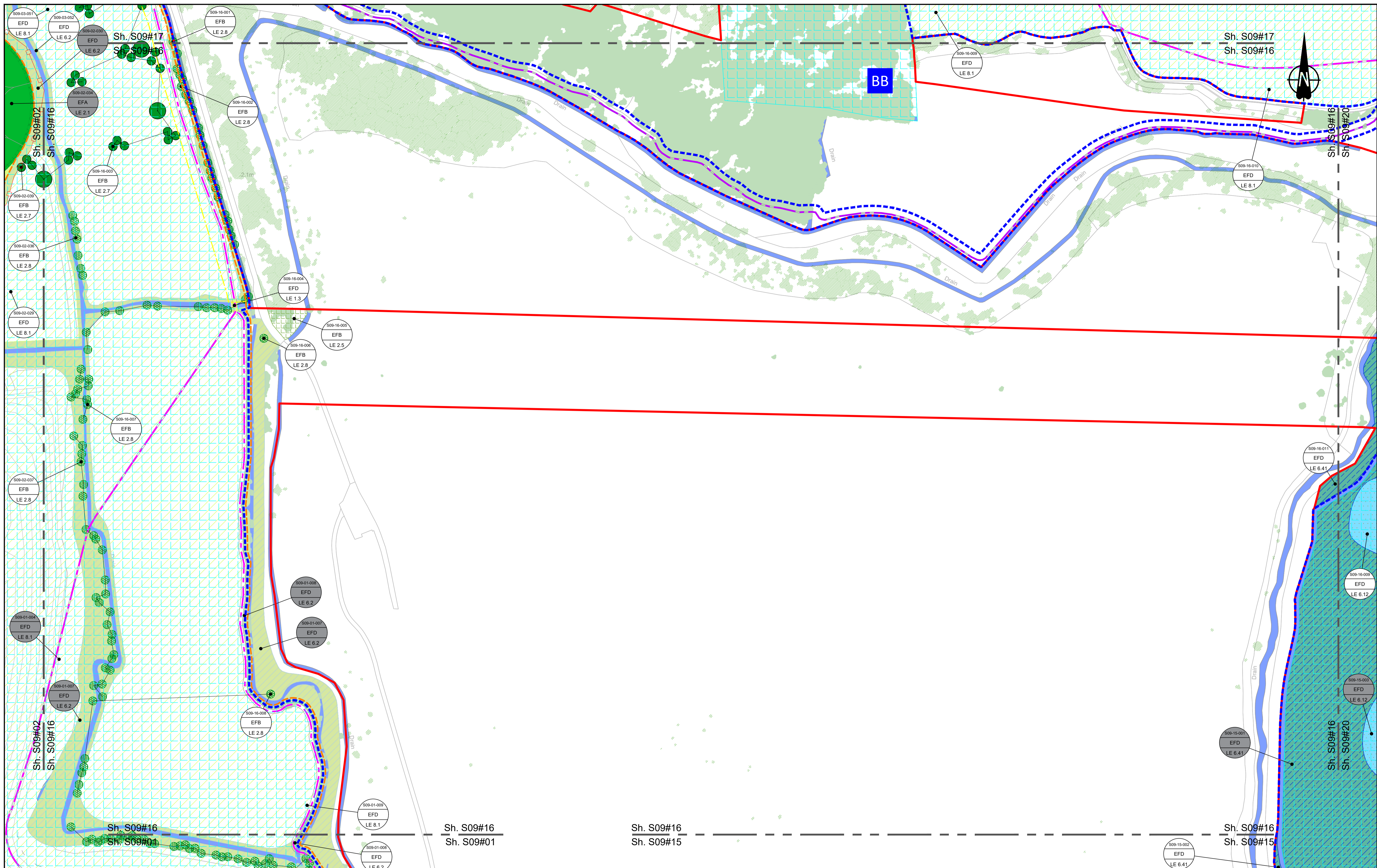
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Grassland (LE 1)	Planting (LE 2)	Individual Trees (LE 5)	Wetland Habitats (LE 6)	Hard Landscape Features (LE 7)	Ecological Habitats (LE 8)	Noise (E 1)	Water (E 2)	Ecological (E 3)
LE 1.3 Species Rich Grassland	LE 2.1 Woodland	LE 5.1 Individual Trees	LE 6.1 Water Bodies - Standing Water	LE 7.4 Reinforced Earth Bund	LE 8.1 Open Mosaic Habitat	LE 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	LE 2.1 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 5.2 Shrubs With Intermittent Trees	LE 6.11 Water Bodies - Shallow Scrape	LE 7.4.1 Proposed Contours	LE 8.2 Ancient Woodland Compensation Planting	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	LE 2.2 Flood Compensation Areas (E 2-FCA)	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.14 Wet / Carr Woodland	LE 5.3 Scattered Trees	LE 6.12 Water Bodies and Associated Plants	LE 7.4.2 Earthworks	LE 8.3 Woodland Mitigation Planting	E 2.1 Flood Defence (E 2-FD)	LE 2.3 Ecology Pond (indicative symbol only)	E 3.2 Ecological Culvert
LE 1.4 Rock and Scree	LE 2.2 Woodland Edge	LE 5.4 Hedgerow With Trees	LE 6.2 Banks and Ditches	LE 7.4.3 Earthworks	LE 8.4 Wetland / Fenland Creation		LE 2.4 Ecology Pond (indicative symbol only)	E 3.2 Bat Boxes
	LE 2.22 Scrub Woodland	LE 5.5 Native Hedgerow With Trees	LE 6.21 Banks and Ditches - High Tide Roost Features		LE 8.5 Ecology Pond (indicative symbol only)			E 3.2 Bat Boxes
	LE 2.4 Linear Belt of Shrubs and Trees				LE 8.6 Acid Grassland Soil Salvage			E 3.2 Bat Boxes

Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.6
Scale	1:1250		
Drawing Title	ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 15		
Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00016		
	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00016.dwg		



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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.

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P01.6	SO	08/08/2022				LD

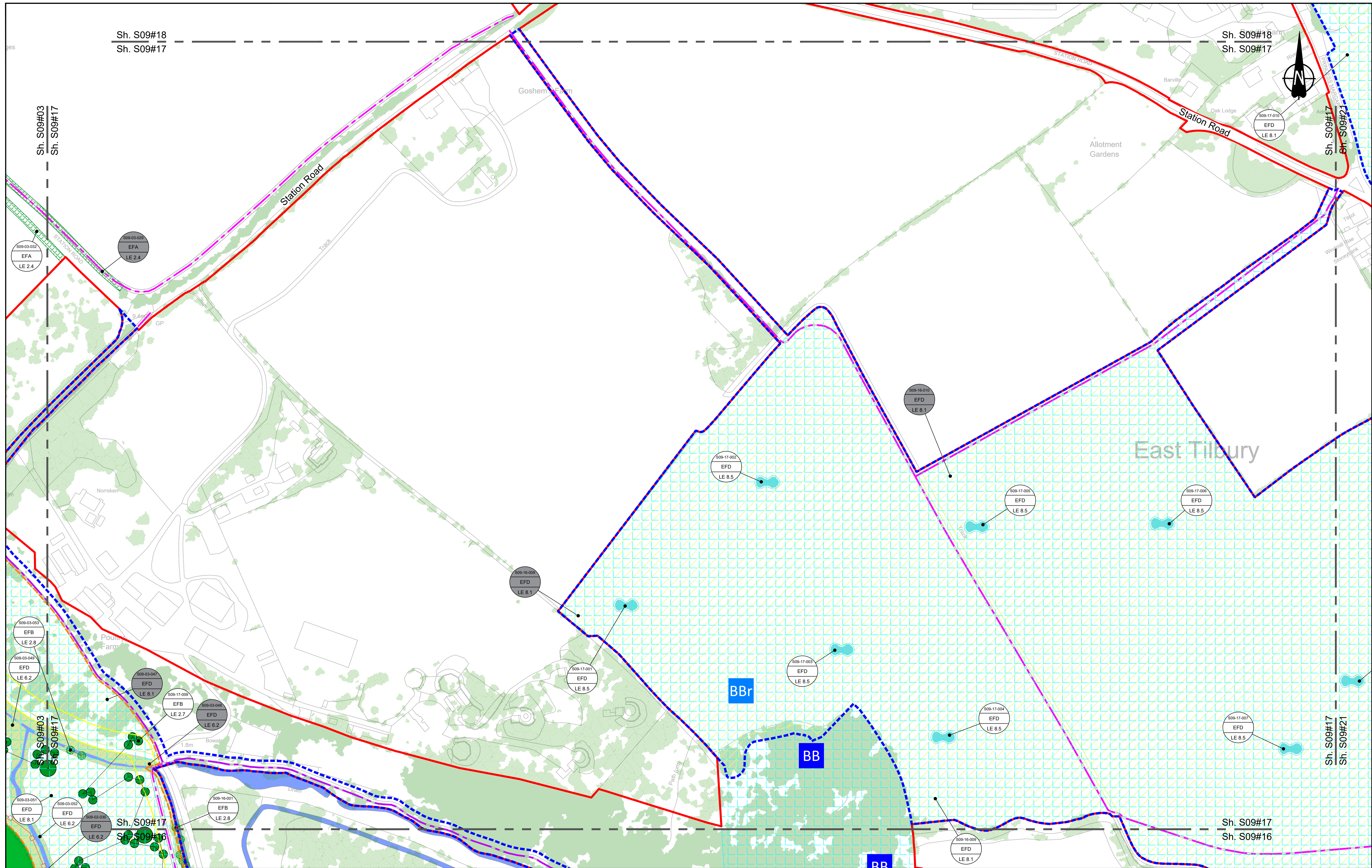
Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

Order Limits Permanent Acquisition of Land 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	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 / Farmland 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
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Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.6
Scale	1:1250		
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 16		
Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00017		



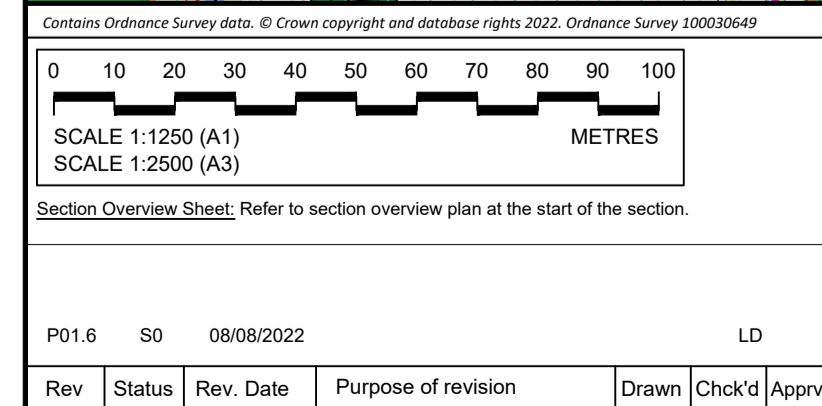
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Sh. S09#21

Sh. S09#17
Sh. S09#16



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 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 5.11 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 Dormouse Boxes
Grassland (LE 1)	LE 2.14 Wet / Carr Woodland	Wetland Habitats (LE 6)	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 6.1 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 8.4 Wetland / Fenland Creation	Flood Compensation Areas (E 2-FCA)	E 3.2 Ecological Culvert
LE 1.31 Species Rich Chalk Grassland	LE 2.22 Scrub Woodland	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape	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 6.2 Banks and Ditches	LE 8.6 Acid Grassland Soil Salvage		
LE 1.4 Rock and Scree		LE 6.21 Banks and Ditches - High Tide Roost Features			

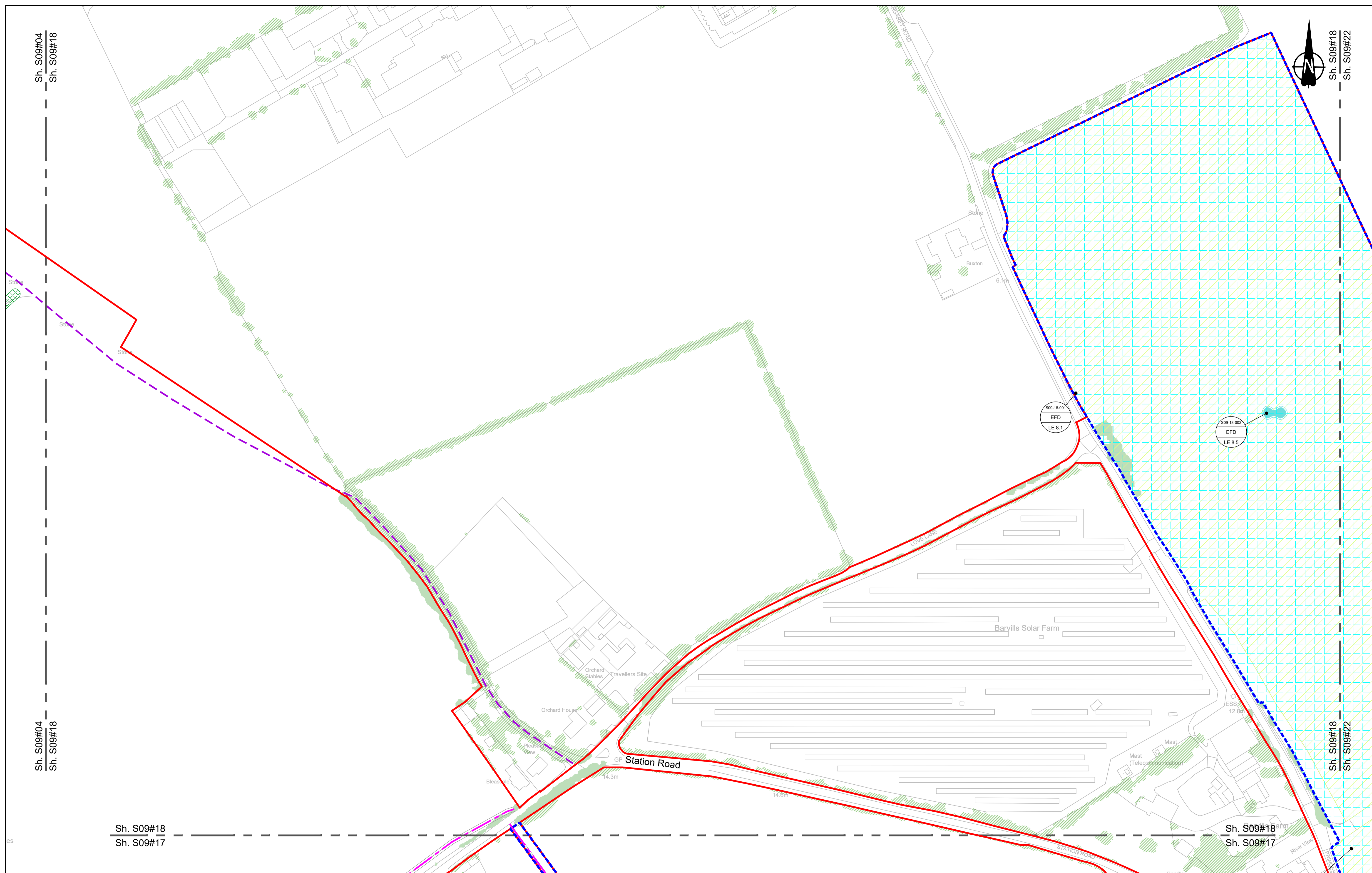
Hedges (LE 4)	Hard Landscape Features (LE 7)	Earthworks
LE 4.3 Native Species Hedge (untrimmed)	LE 7.4 Reinforced Earth Bund	Proposed Contours
LE 4.4 Native Hedgerow With Trees		

Ecological (E 3)	Ecological (E 3)
E 3.2 Ecological Culvert	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 Bat Barn Block	

Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.6
Scale	1:1250		
Drawing Title	ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 17		
Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00018		



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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	GH1 RO BF
Rev	Status	Rev. Date	Purpose of revision	Drawn Chk'd Apprv'd

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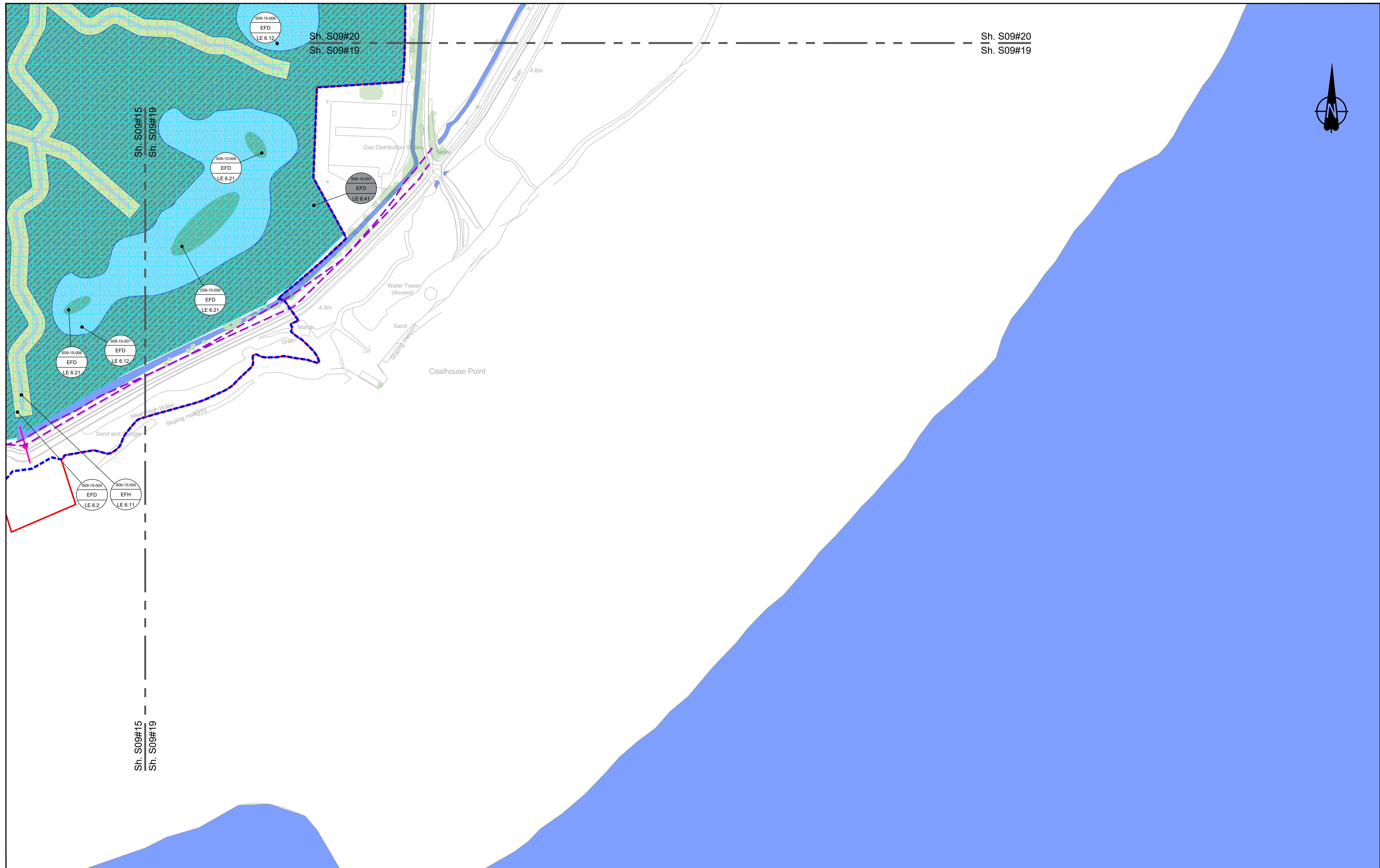
Order Limits	Planting (LE 2)	Individual Trees (LE 5)	Ecological Habitats (LE 8)	Noise (E 1)	Ecological (E 3)
Order Limits	LE 2.1 Woodland	LE 5.1 Individual Trees	LE 8.1 Open Mosaic Habitat	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
Permanent Acquisition of Land	LE 2.11 Woodland With Non-Native Species	Wetland Habitats (LE 6)	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 6.1 Marsh and Wet Grassland - Coastal Grazing Marsh	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 6.11 Water Bodies - Standing Water	LE 8.4 Wetland / Fenland Creation	E 2.1 Flood Compensation Areas (E 2-FCA)	E 3.2 Bat Boxes
LE 1.31 Species Rich Chalk Grassland	LE 2.22 Scrub Woodland	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape	LE 8.5 Ecology Pond (indicative symbol only)	E 2.2 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	Hedges (LE 4)	Hard Landscape Features (LE 7)		
LE 1.4 Rock and Scree		LE 4.3 Native Species Hedge (untrimm'd)	LE 7.4 Reinforced Earth Bund		
		LE 4.4 Native Hedgerow With Trees	Earthworks		
			Proposed Contours		

Client

Project

LOWER THAMES CROSSING

Status	DCO Examination	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P02
Scale	AS SHOWN		
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 18		
Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00019		



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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.

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd
P01.6	SO	08/08/2022				LD

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

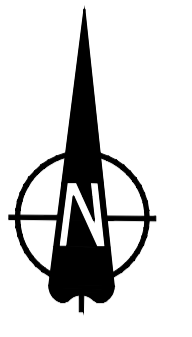
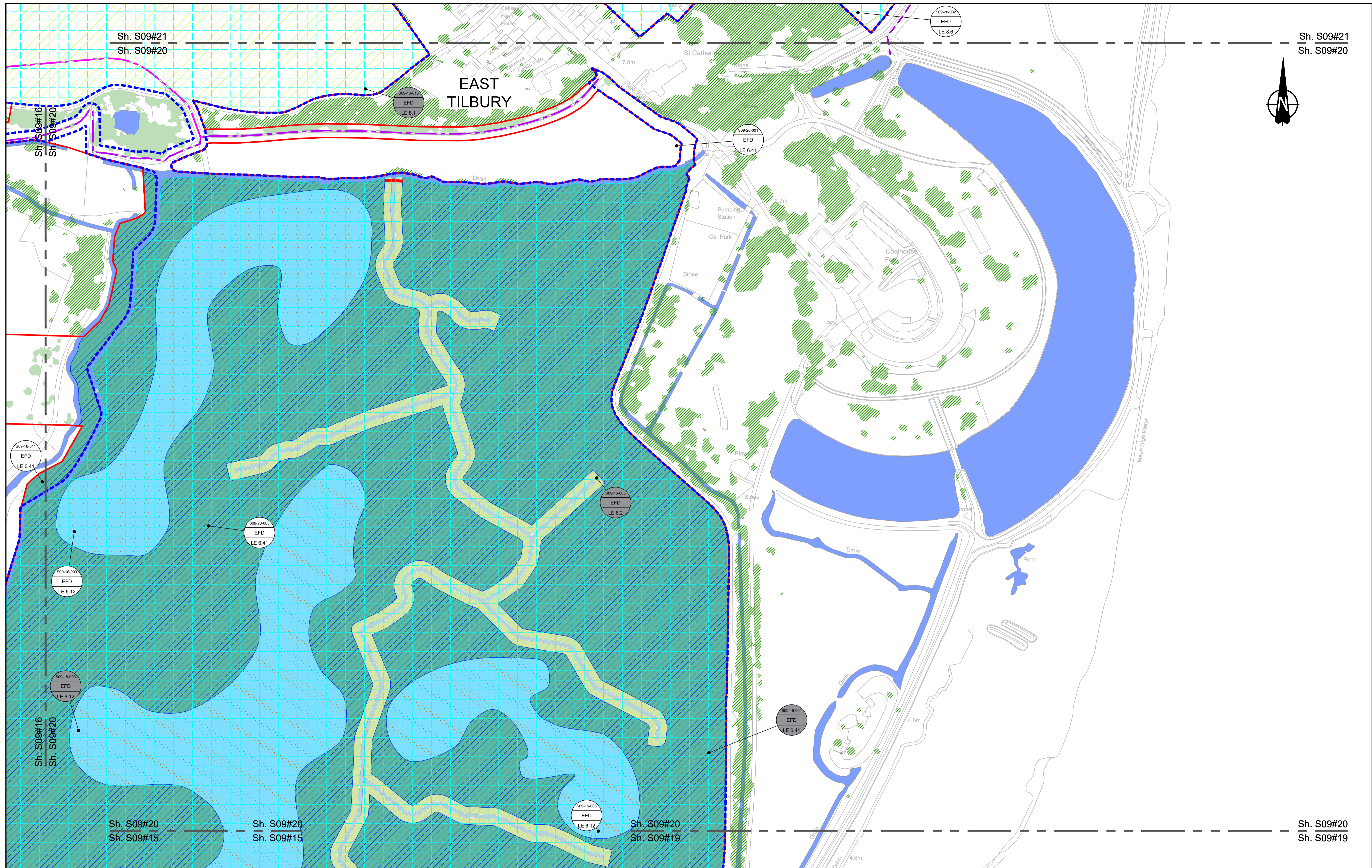
<p>Order Limits</p> <ul style="list-style-type: none"> Order Limits Permanent Acquisition of Land <p>Grassland (LE 1)</p> <ul style="list-style-type: none"> LE 1.3 Species Rich Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual Wildflower Grassland LE 1.4 Rock and Scree 	<p>Planting (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>Hedges (LE 4)</p> <ul style="list-style-type: none"> LE 4.3 Native Species Hedge (untrimm'd) 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 Scraps LE 6.2 Banks and Ditches LE 6.21 Banks and Ditches - High Tide Root Features 	<p>Wetland Habitats (LE 6)</p> <ul style="list-style-type: none"> LE 6.4 Wet Grassland LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh <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>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 / Farmland Creation LE 8.5 Ecology Pond (indicative symbol only) LE 8.6 Acid Grassland Soil Salvage 	<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 	<ul style="list-style-type: none"> E 3.2 Barn Owl Box E 3.2 Ecological Fencing (inc. highway boundary fence)
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Client

Project

LOWER THAMES CROSSING

Status	Initial Status or WIP	Original Size	A1	Revision	P01.6
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.

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P01.6	SO	08/08/2022				LD

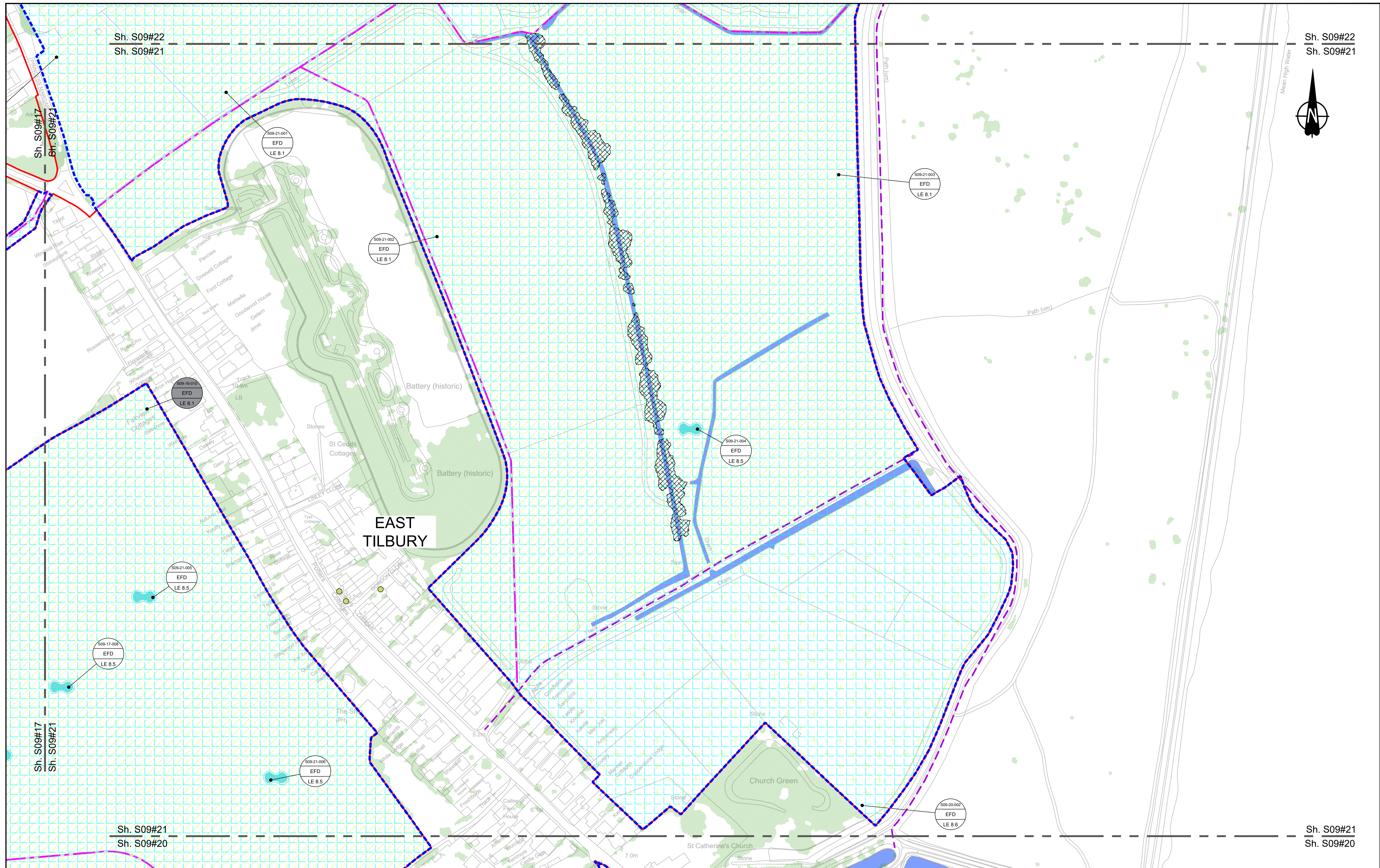
Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

<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 (untrimmed) 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 Barks and Ditches LE 6.4 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.2 Wet Grassland <p>Hard Landscape Features (LE 7)</p> <ul style="list-style-type: none"> LE 7.4 Reinforced Earth Band <p>Earthworks</p> <ul style="list-style-type: none"> Proposed Contours 	<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 / Farmland Creation LE 8.5 Ecology Pond (indicative symbol only) LE 8.6 Acid Grassland Soil Salvage 	<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 Ecological Fencing (inc. highway boundary fence) E 3.2 Barn Owl Box
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Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	Initial Status or WIP	Original Size	A1	Revision	P01.6
Application Document Number	TR010032/APP/6.2	Scale	1:1250		
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 20				
Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00021				



Sh. S09#22
Sh. S09#21

Sh. S09#22
Sh. S09#21

Sh. S09#21
Sh. S09#20

Sh. S09#21
Sh. S09#20

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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.

P01.6 SO 08/08/2022 LD

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).

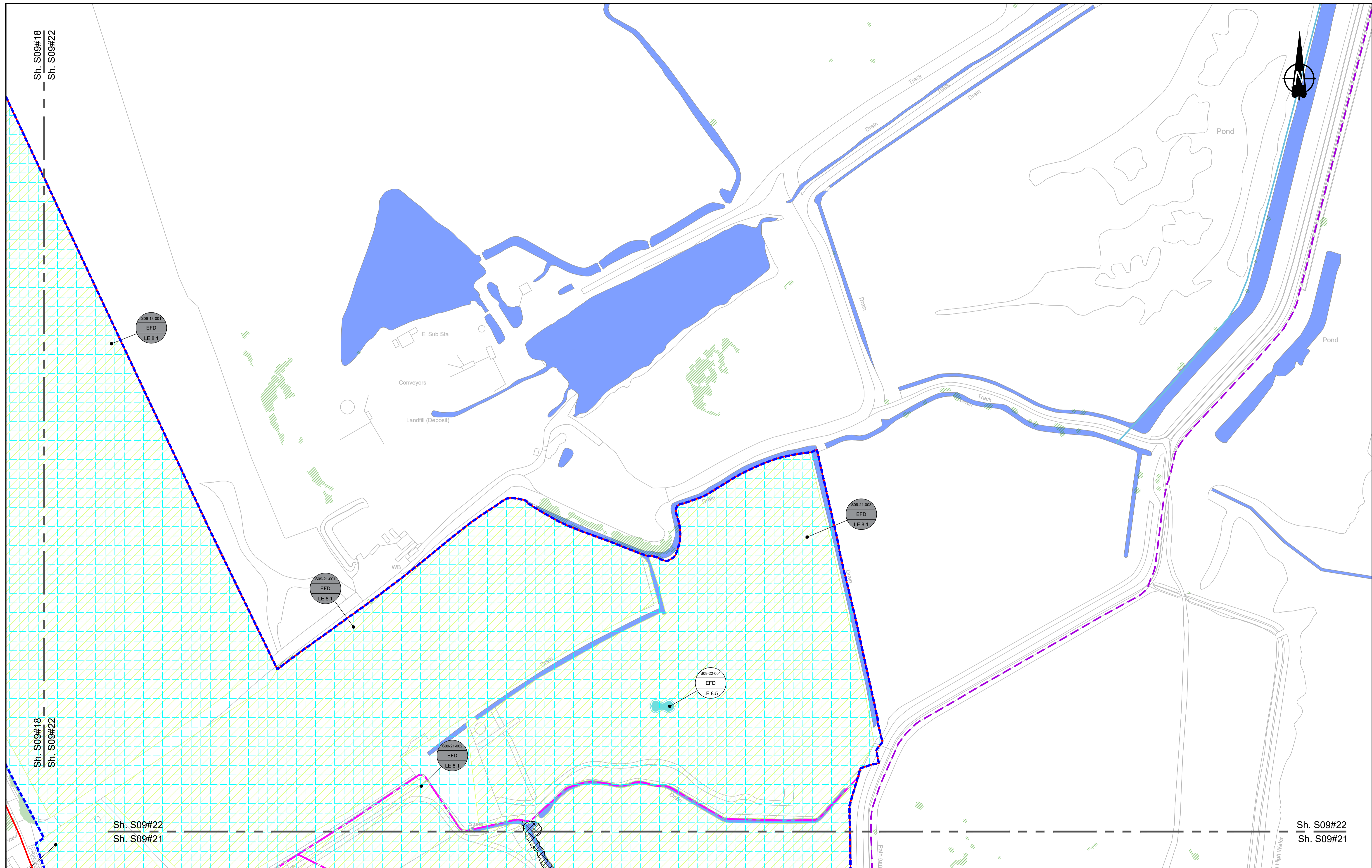
<p>Order Limits</p> <ul style="list-style-type: none"> Permanent Acquisition of Land <p>Grassland (LE 1)</p> <ul style="list-style-type: none"> LE 1.3 Species Rich Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual Wildflower Grassland LE 1.4 Rock and Scree 	<p>Planting (LE 2)</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 (untrimmed) LE 4.4 Native Hedgerow With Trees 	<p>Shrubs With Intermittent Trees</p> <ul style="list-style-type: none"> LE 2.5 <p>Scattered Trees</p> <ul style="list-style-type: none"> LE 2.7 <p>Scrub / Scattered Scrub</p> <ul style="list-style-type: none"> LE 2.8 	<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 Root Features 	<p>Wet Grassland</p> <ul style="list-style-type: none"> LE 6.4 Wet Grassland LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh <p>Hard Landscape Features (LE 7)</p> <ul style="list-style-type: none"> LE 7.4 Reinforced Earth Band <p>Earthworks</p> <ul style="list-style-type: none"> Proposed Contours 	<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 Wetland Mitigation Planting LE 8.4 Wetland / Farmland Creation LE 8.5 Ecology Pond (indicative symbol only) LE 8.6 Acid Grassland Soil Salvage 	<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 	<ul style="list-style-type: none"> E 3.2 Ecological Fencing (inc. highway boundary fence) E 3.2 Bat Barn Box
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Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status: Initial Status or WIP	Original Size: A1	Revision: P01.6
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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SCALE 1:1250 (A1)
SCALE 1:2500 (A3)
METRES

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

P01.6 SO 08/08/2022 LD

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

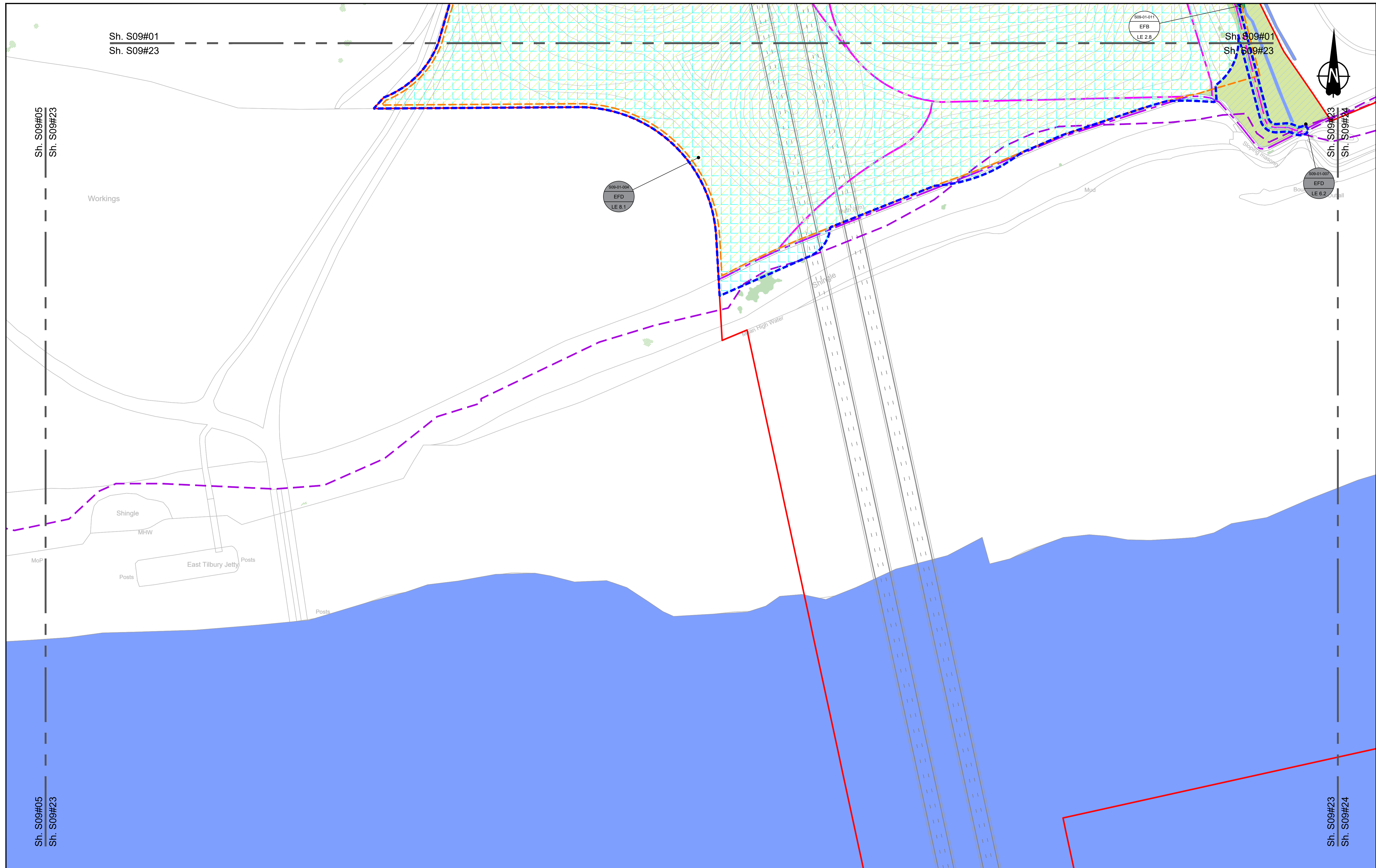
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Order Limits	Grassland (LE 1)	Planting (LE 2)	Individual Trees (LE 5)	Wetland Habitats (LE 6)	Hard Landscape Features (LE 7)	Ecological Habitats (LE 8)	Noise (E 1)	Water (E 2)	Ecological (E 3)
<ul style="list-style-type: none"> Order Limits Permanent Acquisition of Land 	<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 	<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 	<ul style="list-style-type: none"> LE 5.1 Individual Trees 	<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 Barks and Ditches LE 6.21 Banks and Ditches - High Tide Root Features 	<ul style="list-style-type: none"> LE 7.4 Reinforced Earth Bund Proposed Contours 	<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 / Farmland Creation LE 8.5 Ecology Pond (indicative symbol only) LE 8.6 Acid Grassland Soil Salvage 	<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) 	<ul style="list-style-type: none"> Flood Compensation Areas (E 2-FCA) Flood Defence (E 2-FD) 	<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 Ecological Fencing (inc. highway boundary fence) E 3.2 Bat Barn Block

Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.6
Scale	1:1250		
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 22		
Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00023		



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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.

P01.6 SO 08/08/2022 LD

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).

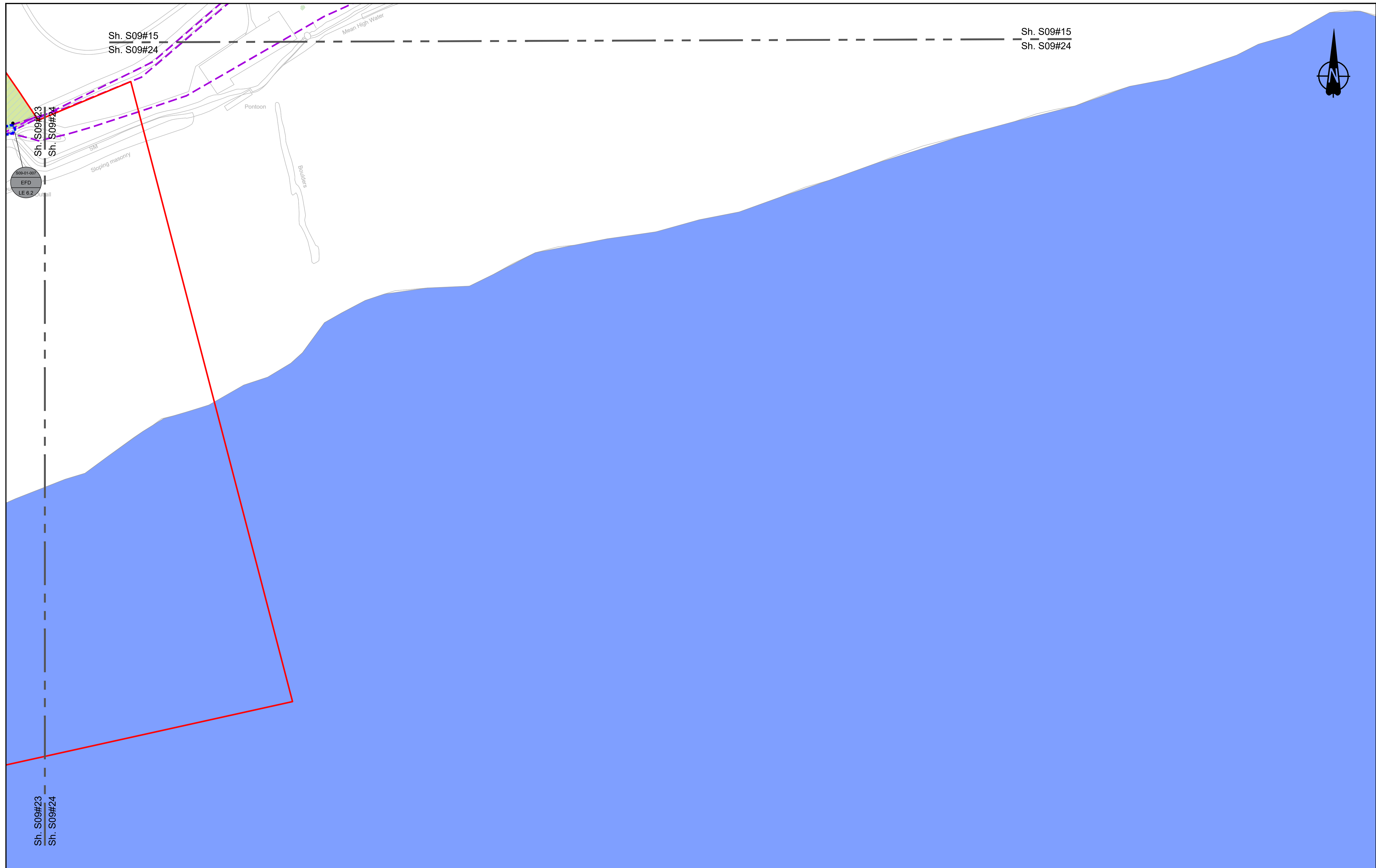
Grassland (LE 1)	Planting (LE 2)	Individual Trees (LE 5)	Wetland Habitats (LE 6)	Hard Landscape Features (LE 7)	Ecological Habitats (LE 8)	Noise (E 1)	Water (E 2)	Ecological (E 3)
LE 1.3 Species Rich Grassland	LE 2.1 Woodland	LE 5.1 Individual Trees	LE 6.1 Water Bodies - Standing Water	LE 7.4 Reinforced Earth Bund	LE 8.1 Open Mosaic Habitat	LE 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	LE 2.1 Nitrogen Deposition (NDEP) Compensation Area	LE 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 5.11 Individual Trees	LE 6.11 Water Bodies - Shallow Water	LE 7.4.1 Reinforced Earth Bund	LE 8.2 Ancient Woodland Compensation Planting	LE 1.2.1 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	LE 2.2 Wetland Mitigation Planting	LE 3.2.1 Ecological Fencing (inc. highway boundary fence)
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.14 Wet / Carr Woodland	LE 5.2 Scattered Trees	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape	LE 7.4.2 Reinforced Earth Bund	LE 8.3 Woodland Mitigation Planting	LE 2.2.1 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	LE 2.3 Wetland Mitigation Planting	LE 3.2.2 Ecological Fencing (inc. highway boundary fence)
LE 1.4 Rock and Scree	LE 2.2 Woodland Edge	LE 5.2.1 Scattered Trees	LE 6.2 Banks and Ditches	LE 7.4.3 Reinforced Earth Bund	LE 8.4 Wetland / Farmland Creation	LE 2.2.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	LE 2.4 Wetland Mitigation Planting	LE 3.2.3 Ecological Fencing (inc. highway boundary fence)
	LE 2.22 Scrub Woodland	LE 5.2.2 Scattered Trees	LE 6.2.1 Banks and Ditches - High Tide Root Features	LE 7.4.4 Reinforced Earth Bund	LE 8.5 Ecology Pond (indicative symbol only)	LE 2.2.3 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	LE 2.5 Wetland Mitigation Planting	LE 3.2.4 Ecological Fencing (inc. highway boundary fence)
	LE 2.4 Linear Belt of Shrubs and Trees	LE 5.2.3 Scattered Trees			LE 8.6 Acid Grassland Soil Salvage	LE 2.2.4 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)		

Client: national highways

Project: LOWER THAMES CROSSING

Status: Initial Status or WIP	Original Size: A1	Revision: P01.6
Application Document Number: TR010032/APP/6.2	Scale: 1:1250	
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Drawing Number: HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00024		

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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	Chkd	Apprv'd
P01.2	SO	08/08/2022				LD

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>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 Root 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 / Farmland Creation LE 8.5 Ecology Pond (indicative symbol only) LE 8.6 Acid Grassland Soil Salvage 	<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 	<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>Ecological (E 3)</p> <ul style="list-style-type: none"> 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	Initial Status or WIP	Original Size	A1	Revision	P01.2
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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