

Lower Thames Crossing

6.2 Environmental Statement Figures 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: August 2023
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Planning Inspectorate Scheme Ref: TR010032
Application Document Ref: TR010032/APP/6.2

VERSION: 2.0

Lower Thames Crossing

Figure 2.4: Environmental Masterplan

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1 Environmental Masterplan: Section 9

1.1 Schedule of Plans included in this application document

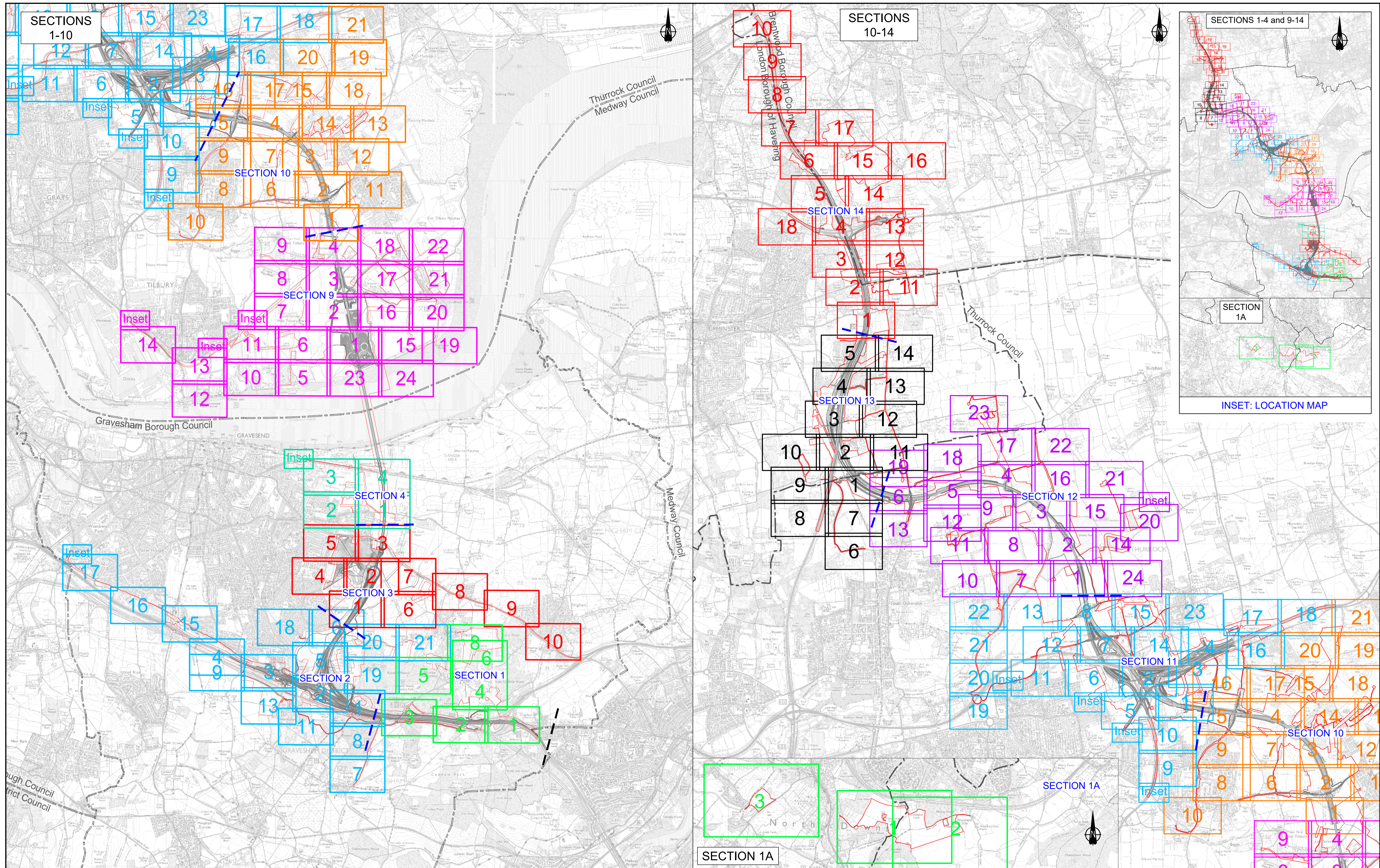
1.2 Section 9 (Sheets 1-21)

HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ- 00001 - Section 9 Overview	TR010032/APP/6.2	P01.6
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	P01.6
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ- 00005 - Section 9 Sheet 4	TR010032/APP/6.2	P01.6
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	P01.7

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
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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	P01.6

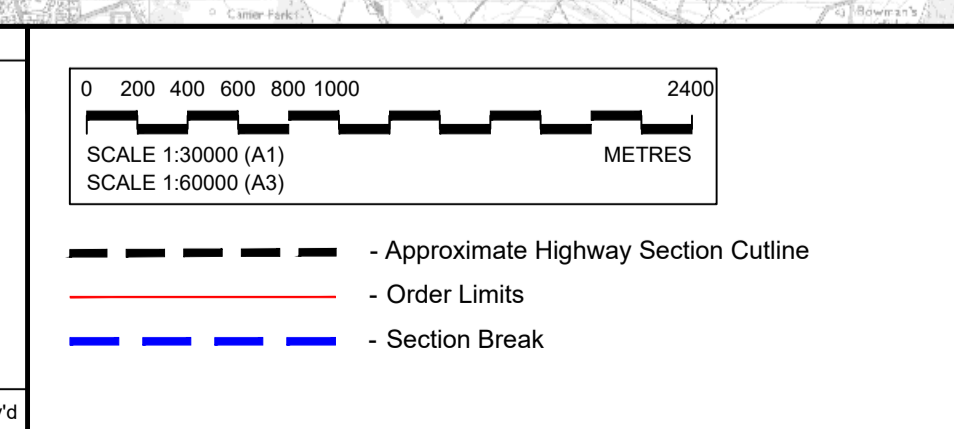
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ- 00020 - Section 9 Sheet 19	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ- 00021 - Section 9 Sheet 20	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ- 00022 - Section 9 Sheet 21	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ- 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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Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01.3	SD	2021/09/23				



Section Layout Key:

1	Section S1 (Sheets 1 - 8)	10	Section S10 (Sheets 1 - 21)
1A	Section S1A (Sheets 1 - 3)	11	Section S11 (Sheets 1 - 22)
2	Section S2 (Sheets 1 - 21)	12	Section S12 (Sheets 1 - 24)
3	Section S3 (Sheets 1 - 10)	13	Section S13 (Sheets 1 - 14)
4	Section S4 (Sheets 1 - 4)	14	Section S14 (Sheets 1 - 18)
5	Section S5 (Sheets 1 - 24)		

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: **national highways**

Project: **LOWER THAMES CROSSING**

Status	Application Document Number	Original Size	Revision
	TR010032/APP/6.2	A1	P01.3
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

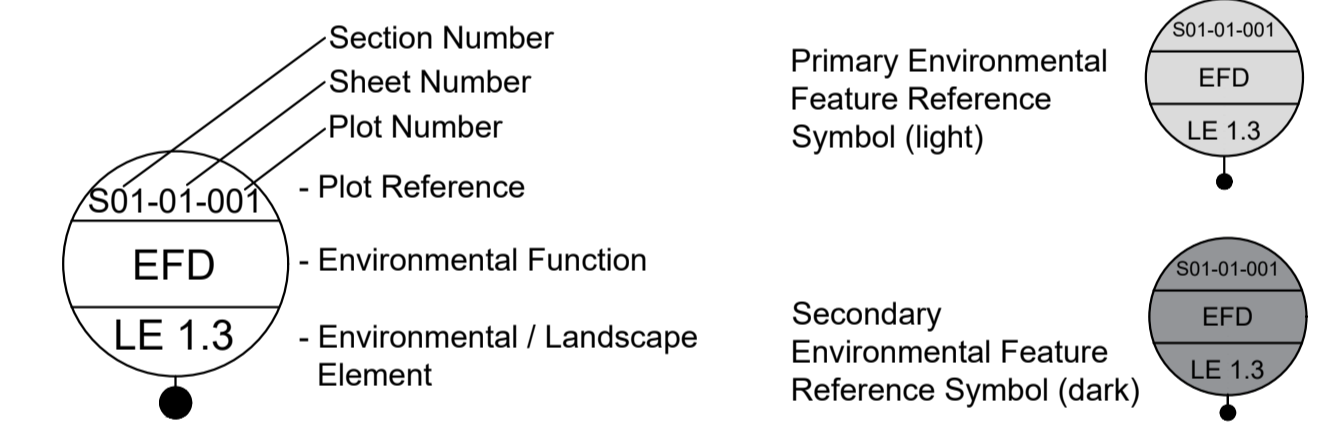
The outline Landscape and Ecology Management Plan (LEMP) separately sets out the proposed management for the environmental / landscape elements shown on the Environmental Masterplan. The Environment Masterplan secures the spatial extent and location of the environmental / landscape elements detailed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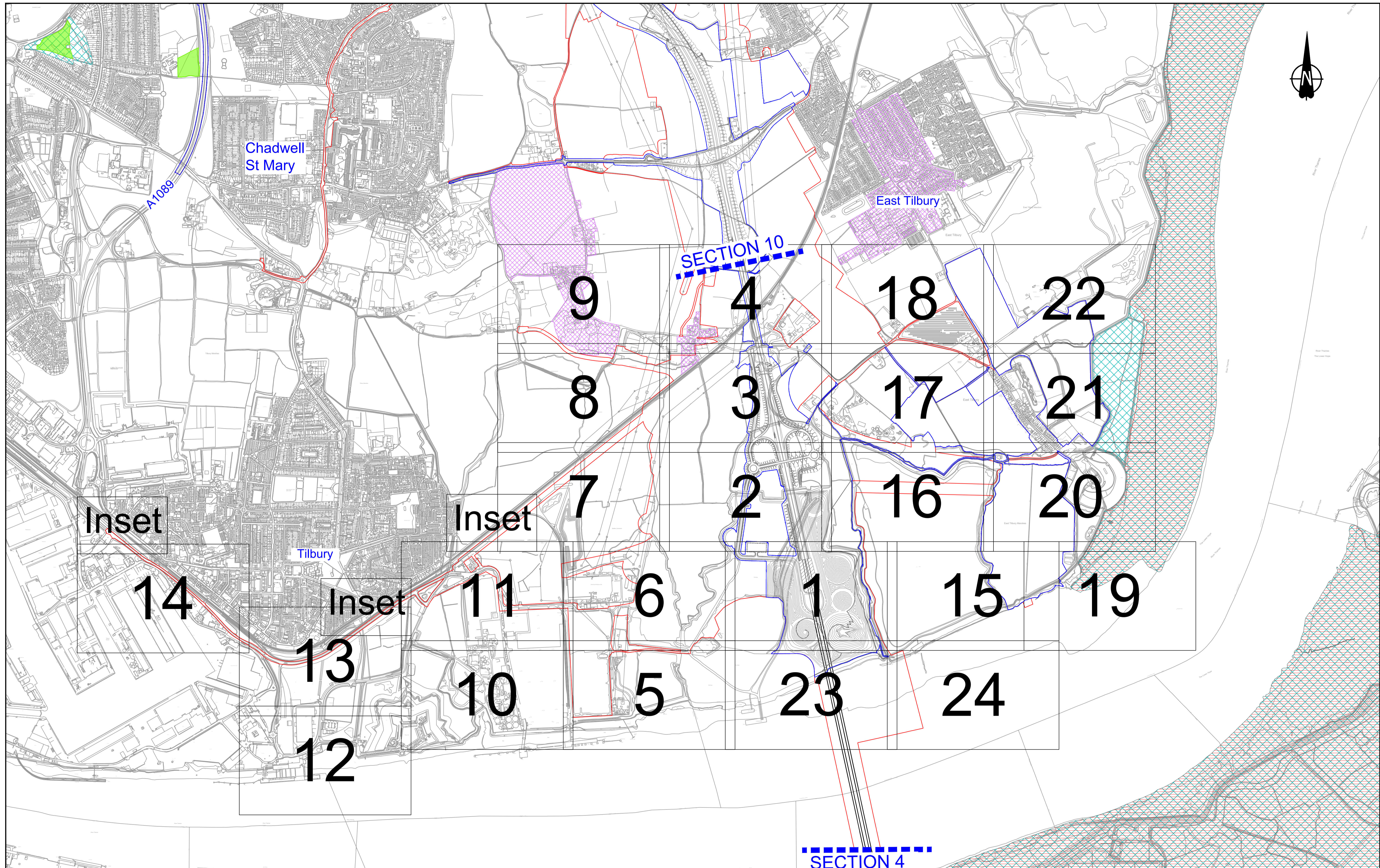
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

Client:

Project: LOWER THAMES CROSSING

Status	Initial Status or WIP	Original Size	A1	Revision	P01.6
Application Document Number	TR010032/APP/6.2	Scale			
Drawing title	ENVIRONMENTAL MASTERPLAN LEGEND				
Drawing Number	HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001				

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

P01.6 S0 08/08/2022 LD

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

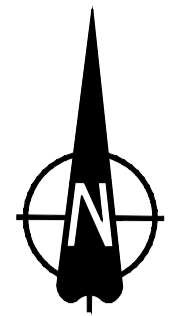
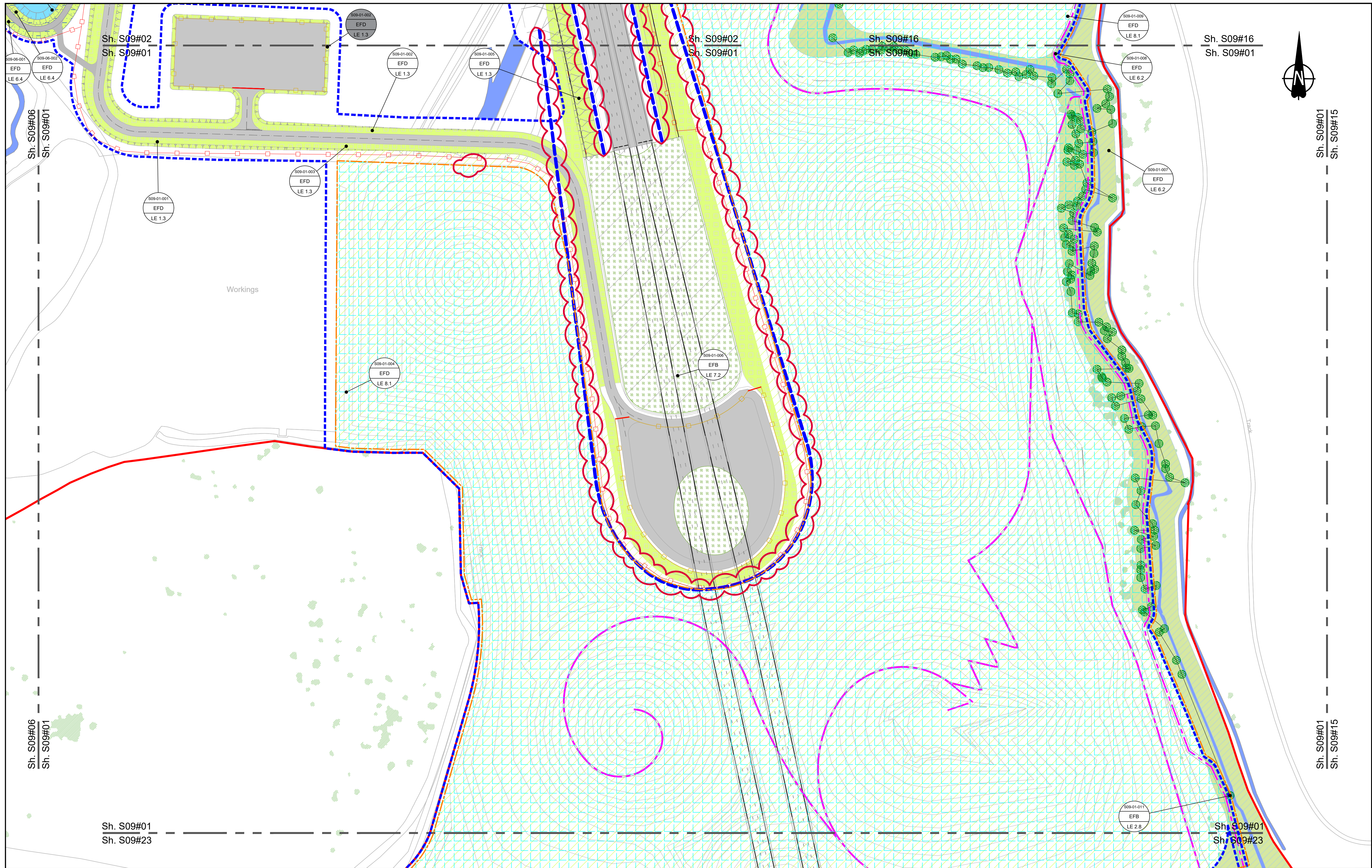
LEGEND

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

national highways

Project
LOWER THAMES CROSSING

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.6
Drawing title	ENVIRONMENTAL MASTERPLAN OVERVIEW PLAN SECTION 9		
Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00001		



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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	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	LE 2.8 Scrub / Scattered Scrub	Wetland Habitats (LE 6)
LE 1.3 Species Rich Grassland	LE 2.14 Wet / Carr Woodland	LE 4.3 Native Species Hedge (untrimmed)	LE 6.1 Water Bodies - Coastal Grazing Marsh
LE 1.31 Species Rich Chalk Grassland	LE 2.2 Woodland Edge	LE 4.4 Native Hedgerow With Trees	LE 6.11 Water Bodies - Standing Water
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.22 Scrub Woodland	LE 2.4 Linear Belt of Shrubs and Trees	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape
LE 1.4 Rock and Scree			LE 6.2 Banks and Ditches

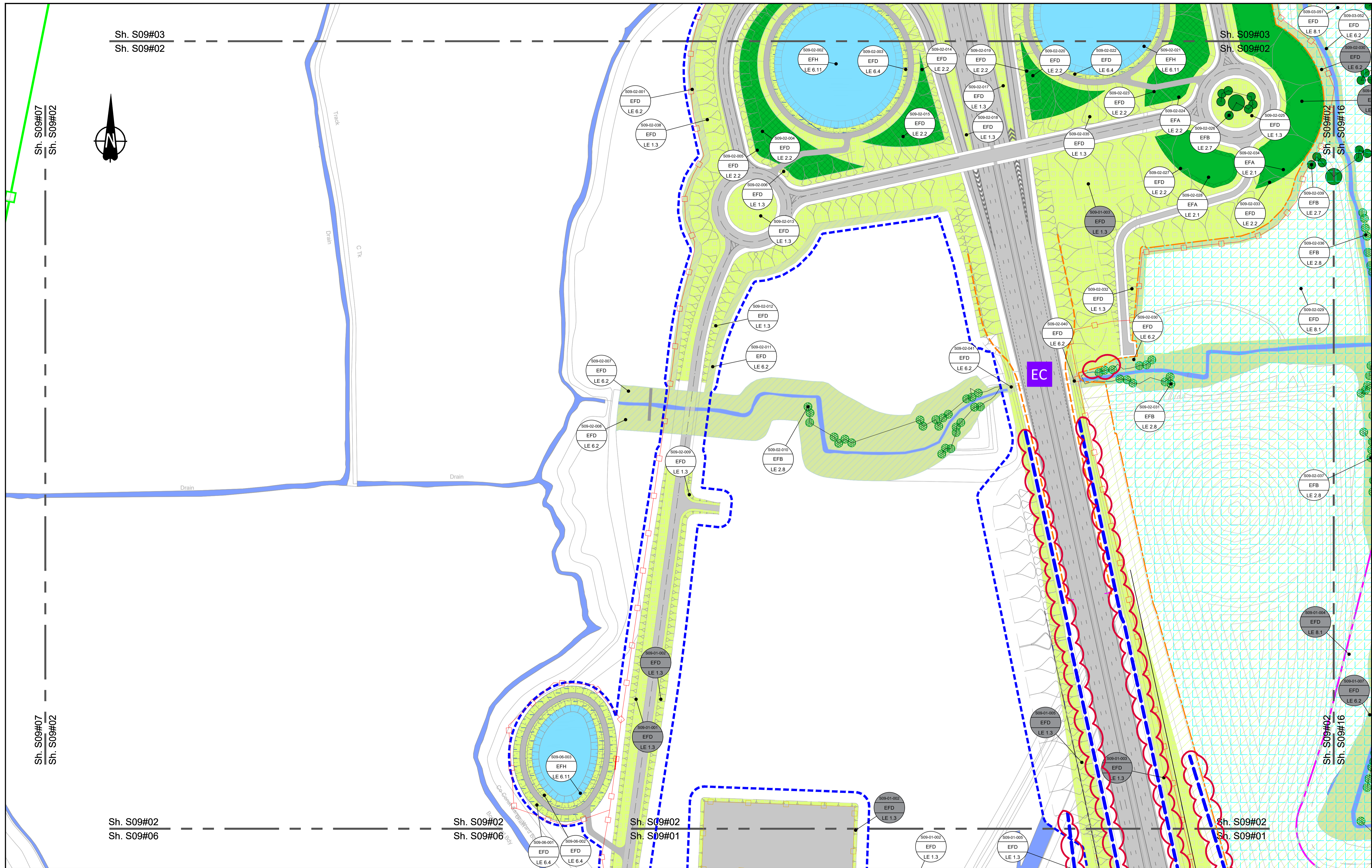
LE 6.4 Wet Grassland	Hard Landscape Features (LE 7)	Ecological (E 3)
LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 7.4 Reinforced Earth Bund	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
Wetland Habitats (LE 6)	Earthworks	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 6.11 Water Bodies - Standing Water	Proposed Contours	E 3.2 Ecological Culvert
LE 6.12 Water Bodies and Associated Plants - Shallow Scrape		E 3.2 Bat Boxes
LE 6.2 Banks and Ditches		E 3.2 Bat Barn Block
LE 6.21 Banks and Ditches - High Tide Roost Features		

LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	Noise (E 1)	Water (E 2)
LE 8.2 Ancient Woodland Compensation Planting	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	Flood Compensation Areas (E 2-FCA)
LE 8.3 Woodland Mitigation Planting	E 2.1 Flood Defence (E 2-FD)	
LE 8.4 Wetland / Fenland Creation		
LE 8.5 Ecology Pond (indicative symbol only)		
LE 8.6 Acid Grassland Soil Salvage		

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	Chck'd	Apprv'd

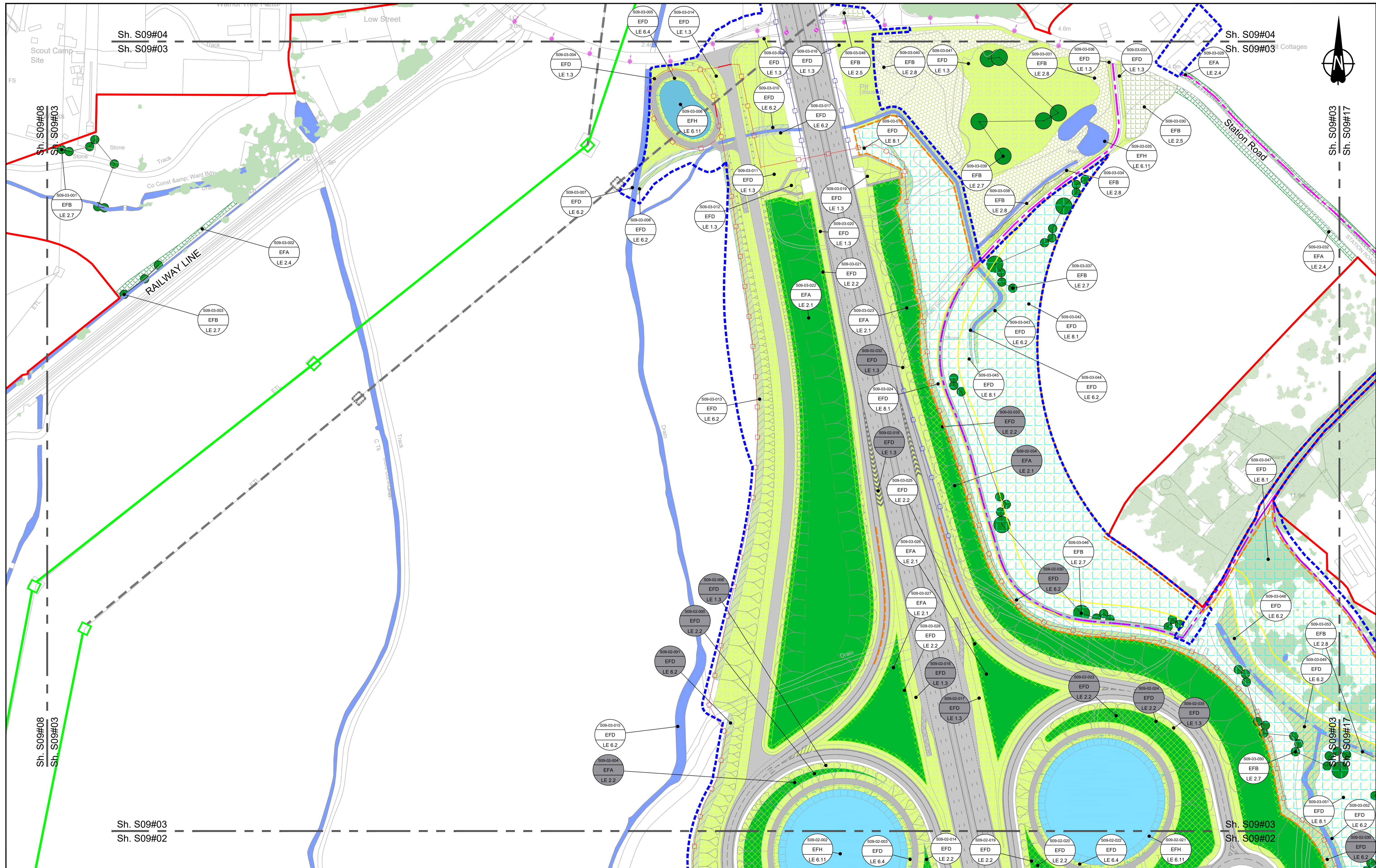
Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-000001).

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



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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	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).

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 Wet Grassland	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 Ancient Woodland Compensation Planting	LE 7.5 Wet Grassland - Coastal Grazing Marsh	LE 6.21 Banks and Ditches - High Tide Root Features
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.14 Wet / Carr Woodland	LE 5.3 Hedgerow With Trees	LE 6.3 Woodland Mitigation Planting	LE 7.6 Native Species Hedge (untrimmed)	
LE 1.4 Rock and Stone	LE 2.2 Woodland Edge	LE 5.4 Native Hedgerow With Trees	LE 6.4 Wetland / Farmland Creation	LE 7.7 Native Hedgerow With Trees	
	LE 2.22 Scrub Woodland		LE 6.5 Ecology Pond (indicative symbol only)		
	LE 2.4 Linear Belt of Shrubs and Trees		LE 6.6 Acid Grassland Soil Salvage		

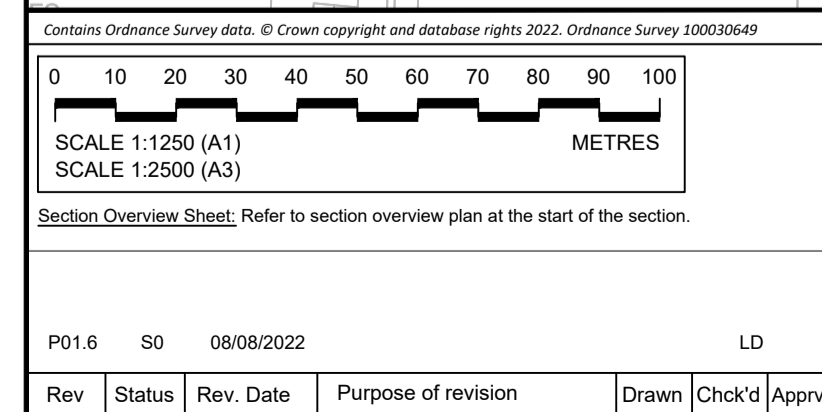
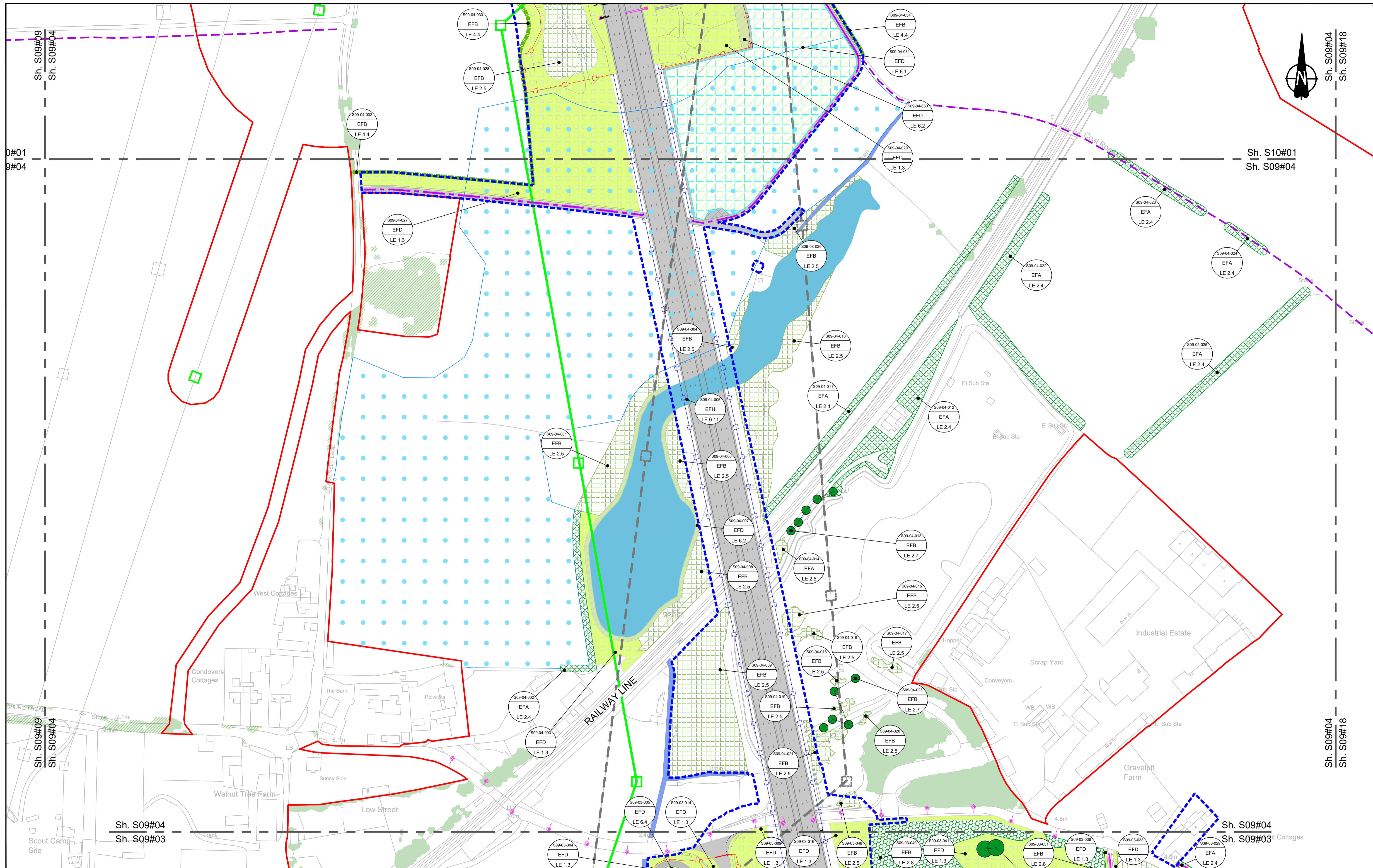
Ecological Habitats (LE 8)	Noise (E 1)	Water (E 2)	Ecological (E 3)
LE 8.1 Open Mosaic Habitat	LE 1.2 Acoustic Barrier-Built Elements (typically inc. Highway boundary fence)	LE 2.2 Flood Compensation Areas (E 2-FCA)	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
LE 8.2 Ancient Woodland Compensation Planting		LE 2.22 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			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
Drawing Title: ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 3			
Drawing Number: HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00004			
Scale: 1:1250			

HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00004.dwg



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 Barks 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 Root Features
LE 1.4 Rock and Scree		Hard Landscape Features (LE 7)
		LE 7.4 Reinforced Earth Band
		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 / Farmland 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		E 3.2 Ecological Fencing (inc. highway boundary fence)

Client	national highways
Project	LOWER THAMES CROSSING

Status	Initial Status or WIP
Application Document Number	TR010032/APP/6.2
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 4
Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00005

Original Size	A1	Revision	P01.6
Scale	1:1250		



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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 27/07/2022

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).

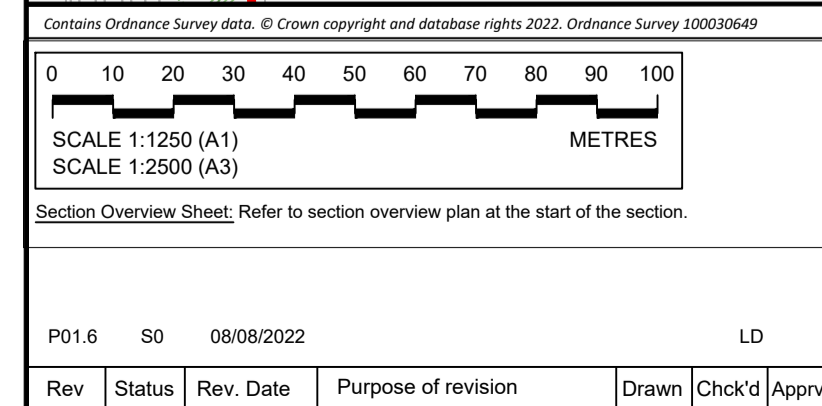
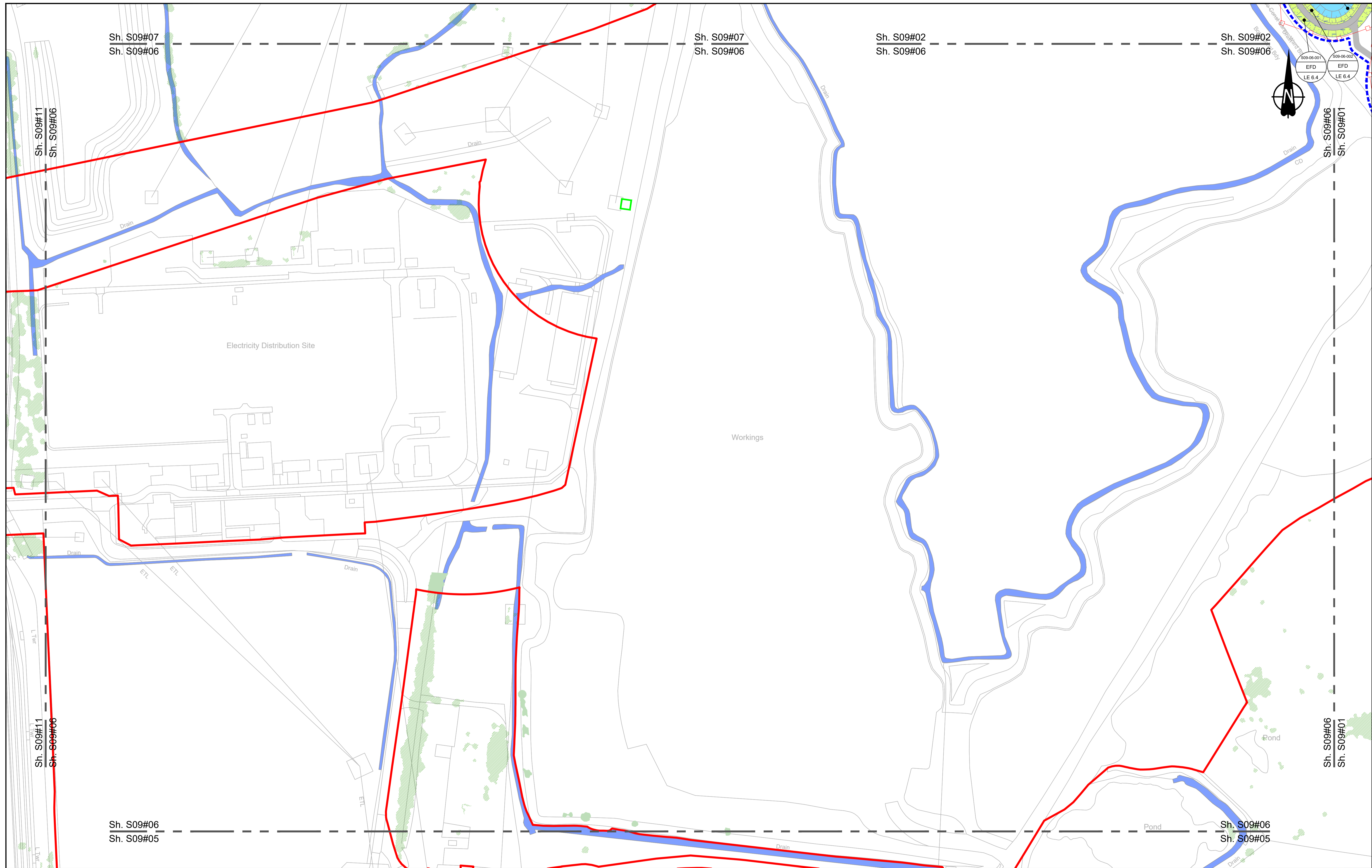
Grassland (LE 1)	Planting (LE 2)	Individual Trees (LE 5)	Ecological Habitats (LE 8)	Noise (E 1)	Water (E 2)
LE 1.3 Species Rich Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual Wildflower Grassland LE 1.4 Rock and Scree	LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species 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 5.1 Individual Trees LE 5.11 Individual Trees LE 5.2 Scattered Trees LE 5.3 Scrub / Scattered Scrub LE 5.4 Native Species Hedge (untrimmed) LE 5.4 Native Hedgerow With Trees	LE 8.1 Wet Grassland LE 8.4 Marsh and Wet Grassland - Coastal Grazing Marsh LE 8.5 Wetland Mitigation Planting LE 8.6 Wetland / Farmland Creation LE 8.7 Ecology Pond (indicative symbol only) LE 8.8 Acid Grassland Soil Salvage	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area E 1.1 Acoustic Barrier-Built Elements (typically inc. highway boundary fence) E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence) E 2.1 Flood Compensation Areas (E 2-FCA) E 2.2 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 E 3.2 Ecological Fencing (inc. highway boundary fence)

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 5		
Drawing Number: HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00006		

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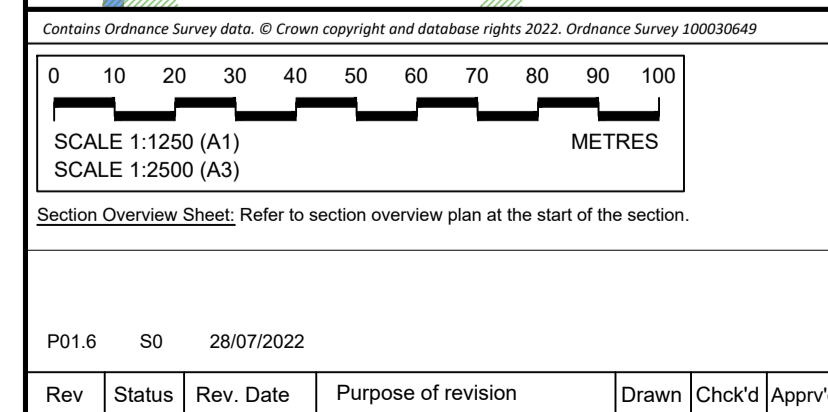
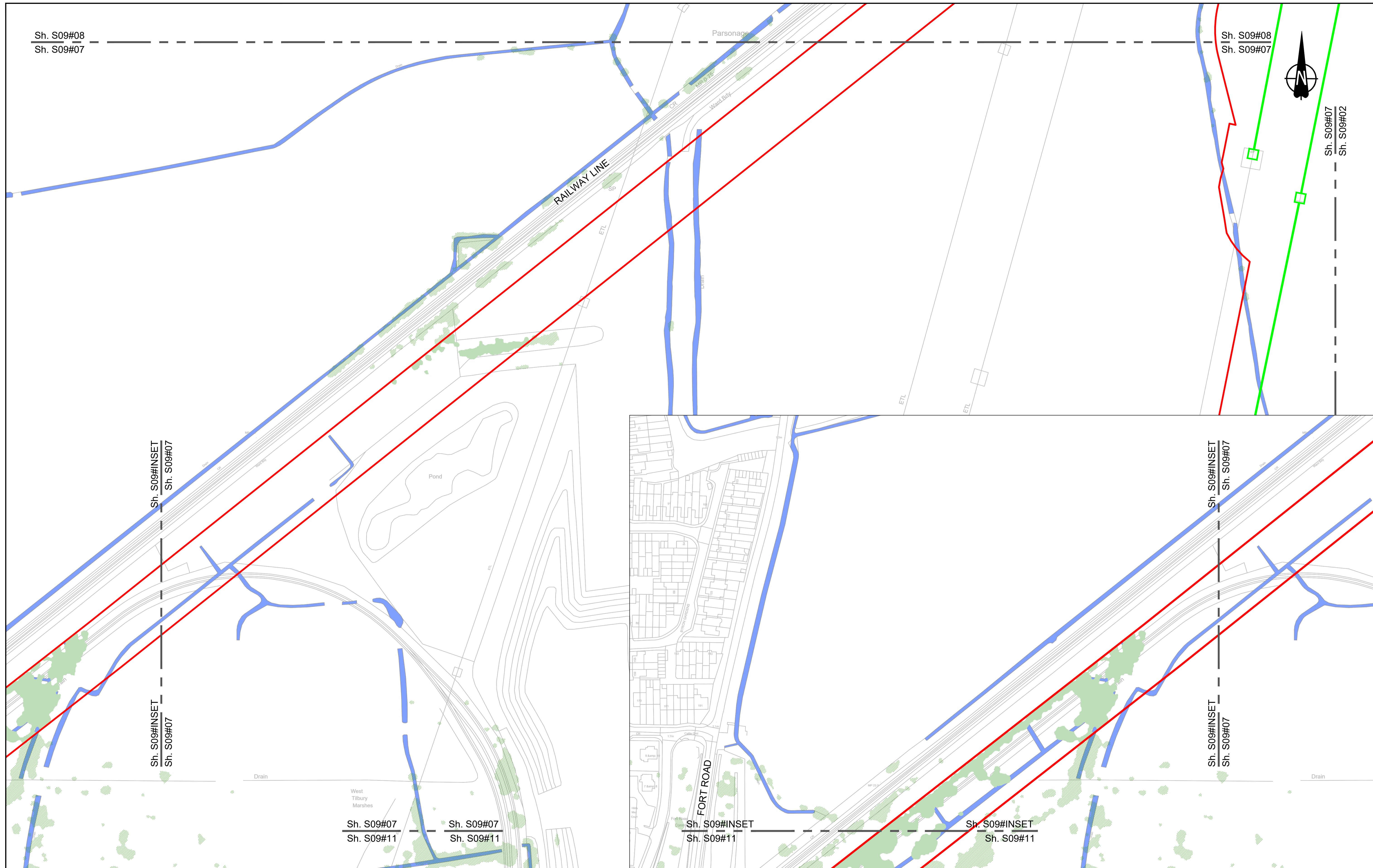
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Order Limits	Planting (LE 2)	Individual Trees (LE 5)
Permanent Acquisition of Land	LE 2.1 Woodland	LE 5.1 Individual Trees
Grassland (LE 1)	LE 2.11 Woodland With Non-Native Species	Wetland Habitats (LE 6)
LE 1.3 Species Rich Grassland	LE 2.14 Wet / Carr Woodland	LE 6.1 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 Root Features
LE 2.5 Shrubs With Intermittent Trees	Hedges (LE 4)	Hard Landscape Features (LE 7)
LE 2.7 Scattered Trees	LE 4.3 Native Species Hedge (untrimmed)	LE 7.4 Reinforced Earth Bund
LE 2.8 Scrub / Scattered Scrub	LE 4.4 Native Hedgerow With Trees	Earthworks
Ecological Habitats (LE 8)		Proposed Contours
LE 8.1 Open Mosaic Habitat		LE 8.7 Nitrogen Deposition (NDEP) Compensation Area
LE 8.2 Ancient Woodland Compensation Planting		Noise (E 1)
LE 8.3 Woodland Mitigation Planting		E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)
LE 8.4 Wetland / Fenland Creation		Water (E 2)
LE 8.5 Ecology Pond (indicative symbol only)		Flood Compensation Areas (E 2-FCA)
LE 8.6 Acid Grassland Soil Salvage		Flood Defence (E 2-FD)
		Ecological (E 3)
		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
		E 3.2 Bat Barn Owl Box
		E 3.2 Dormouse Boxes
		E 3.2 Bat Boxes

Client	
Project	

Status	Initial Status or WIP
Application Document Number	TR010032/APP/6.2
Scale	1:1250
Revision	A1 P01.6
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 6
Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00007
Original Size	A1
Revision	P01.6

Client	national highways
Project	LOWER THAMES CROSSING
Status	Initial Status or WIP
Application Document Number	TR010032/APP/6.2
Scale	1:1250
Revision	A1 P01.6
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 6
Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00007
Original Size	A1
Revision	P01.6



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

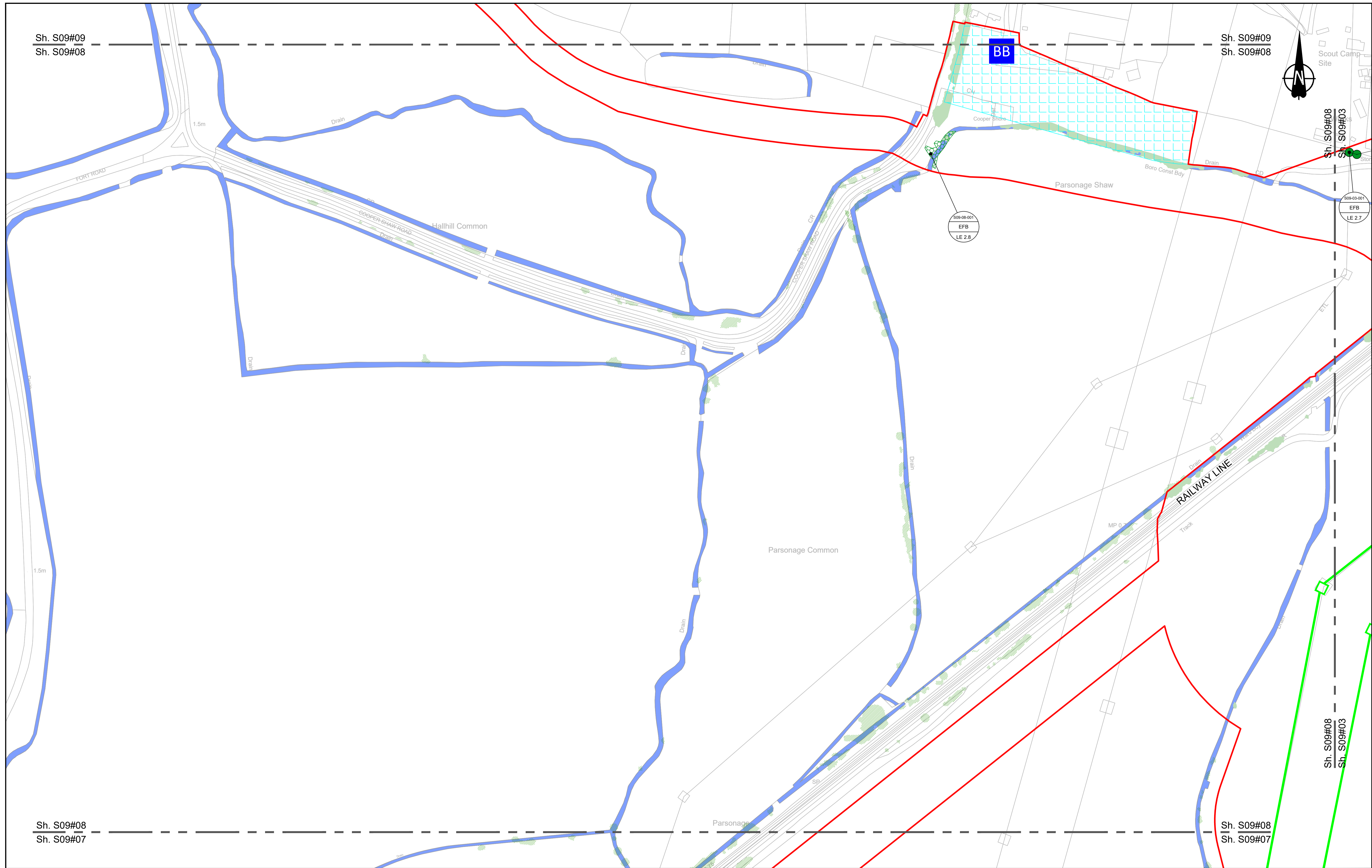
Order Limits	Planting (LE 2)	Individual Trees (LE 5)	Ecological Habitats (LE 8)	Noise (E 1)	Ecological (E 3)
Permanent Acquisition of Land	LE 2.1 Woodland	LE 5.1 Individual Trees	LE 8.1 Open Mosaic Habitat	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
Grassland (LE 1)	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)
LE 1.3 Species Rich Grassland	LE 2.14 Wet / Carr Woodland	LE 6.1 Water Bodies - Standing Water	LE 8.3 Woodland Mitigation Planting	E 3.2 Dormouse Boxes	E 3.2 Bat Boxes
LE 1.31 Species Rich Chalk Grassland	LE 2.2 Woodland Edge	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape	LE 8.4 Wetland / Fenland Creation	E 3.2 Ecological Culvert	E 3.2 Bat Barn Block
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.22 Scrub Woodland	Hedges (LE 4)	LE 8.5 Ecology Pond (indicative symbol only)	E 3.2 Ecological Fencing (inc. highway boundary fence)	
LE 1.4 Rock and Scree	LE 2.4 Linear Belt of Shrubs and Trees	LE 4.3 Native Species Hedge (untrimsed)	Hard Landscape Features (LE 7)		
		LE 4.4 Native Hedgerow With Trees	LE 7.4 Reinforced Earth Bund		
			Earthworks		
			LE 6.2 Banks and Ditches		
			LE 6.21 Banks and Ditches - High Tide Roost Features		
			Proposed Contours		

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

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)

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

P01.7 SO 08/08/2022 LD

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

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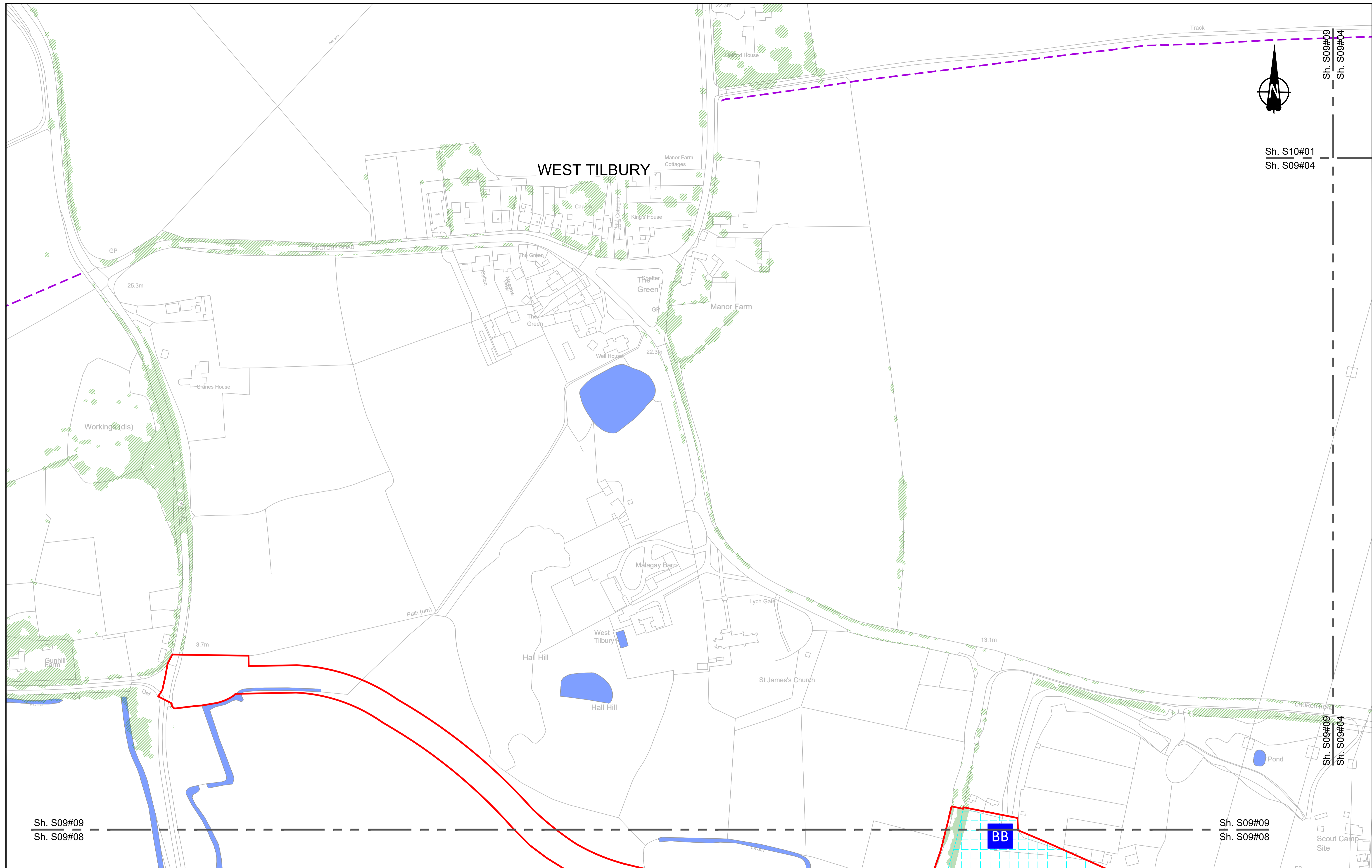
Grassland (LE 1)	Planting (LE 2)	Individual Trees (LE 5)	Ecological Habitats (LE 8)	Noise (E 1)	Water (E 2)	Ecological (E 3)
<ul style="list-style-type: none"> LE 1.3 Species Rich Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual Wildflower Grassland LE 1.4 Rock and Scree 	<ul 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 LE 5.11 Individual Trees 	<ul style="list-style-type: none"> LE 6.4 Wet Grassland LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh 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 LE 6.4 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"> 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 	<ul style="list-style-type: none"> E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species E 3.2 Dormouse Boxes BB E 3.2 Bat Boxes EC E 3.2 Ecological Culvert BB2 E 3.2 Bat Barn Block E 3.2 Barn Owl Box E 3.2 Ecological Fencing (inc. highway boundary fence)

Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status: Initial Status or WIP	Original Size: A1	Revision: P01.7
Application Document Number: TR010032/APP/6.2	Scale: 1:1250	
Drawing Title: ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 8		
Drawing Number: HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00009		

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



Sh. S09#09
Sh. S09#08

Sh. S09#09
Sh. S09#08

Sh. S09#09
Sh. S09#04

Sh. S09#09
Sh. S09#04

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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				

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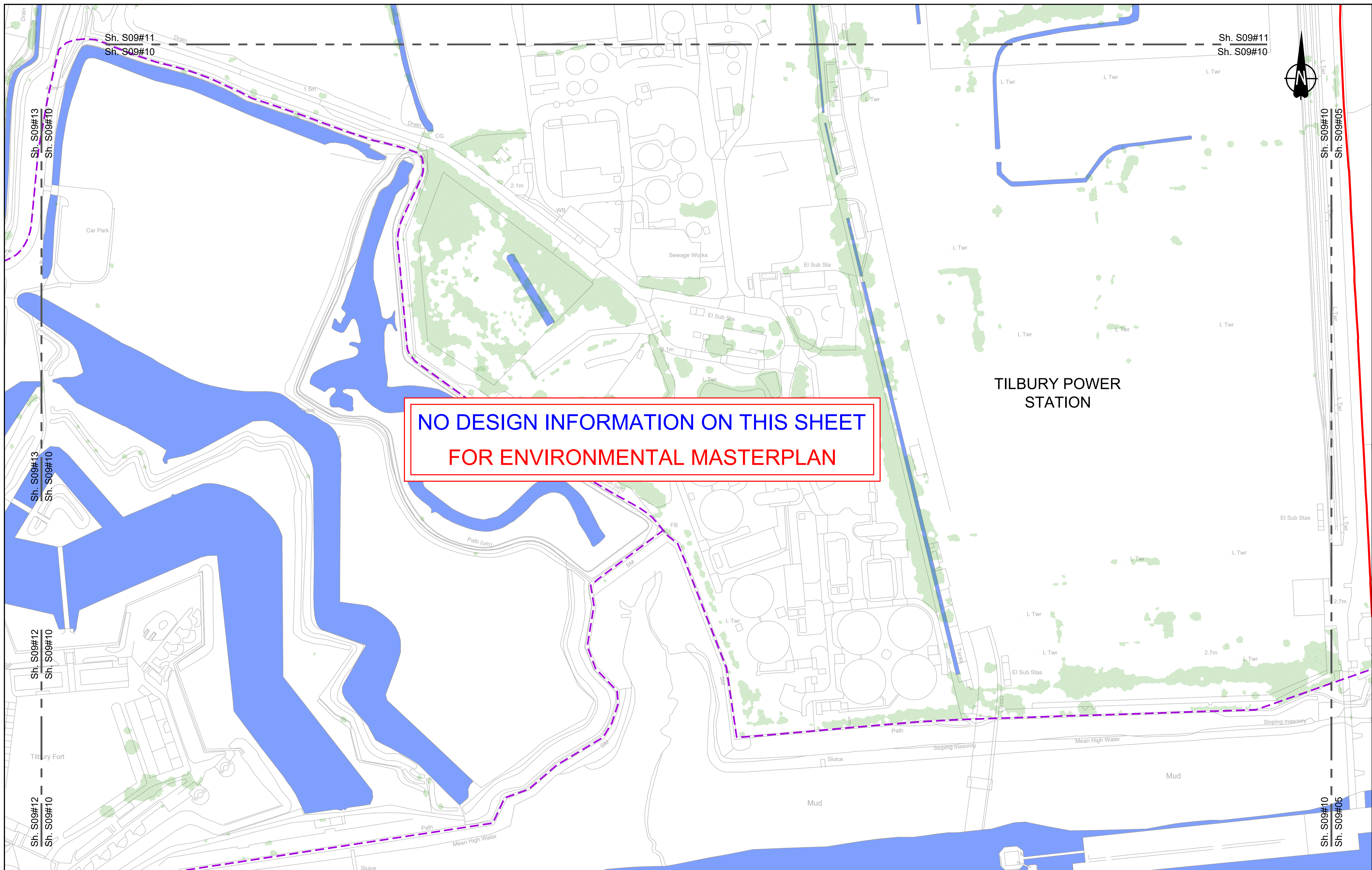
Order Limits Permanent Acquisition of Land	Planting (LE 2) LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species LE 2.14 Wet / Carr Woodland LE 2.2 Woodland Edge LE 2.22 Scrub Woodland LE 2.4 Linear Belt of Shrubs and Trees	LE 2.5 Shrubs With Intermittent Trees LE 2.7 Scattered Trees LE 2.8 Scrub / Scattered Scrub	Individual Trees (LE 5) LE 5.1 Individual Trees	LE 6.4 Wet Grassland LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh LE 7.4 Reinforced Earth Band	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) E 2.2 Flood Compensation Areas (E 2-FCA) E 2.5 Ecology Pond (indicative symbol only) E 2.6 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)
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	LE 2.3 Hedgerow With Intermittent Trees LE 2.31 Native Species Hedgerow (untrimmed) LE 2.32 Native Hedgerow With Trees	Wetland Habitats (LE 6) LE 6.11 Water Bodies - Standing Water LE 6.12 Water Bodies and Associated Plants - Shallow Scraps LE 6.2 Barks and Ditches LE 6.21 Banks and Ditches - High Tide Root Features	Hard Landscape Features (LE 7) LE 7.4 Reinforced Earth Band Earthworks Proposed Contours	Water (E 2) E 2.2 Flood Compensation Areas (E 2-FCA) E 2.5 Ecology Pond (indicative symbol only) E 2.6 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)		

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 9		
Drawing Number: HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00010		

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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 28/07/2022

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

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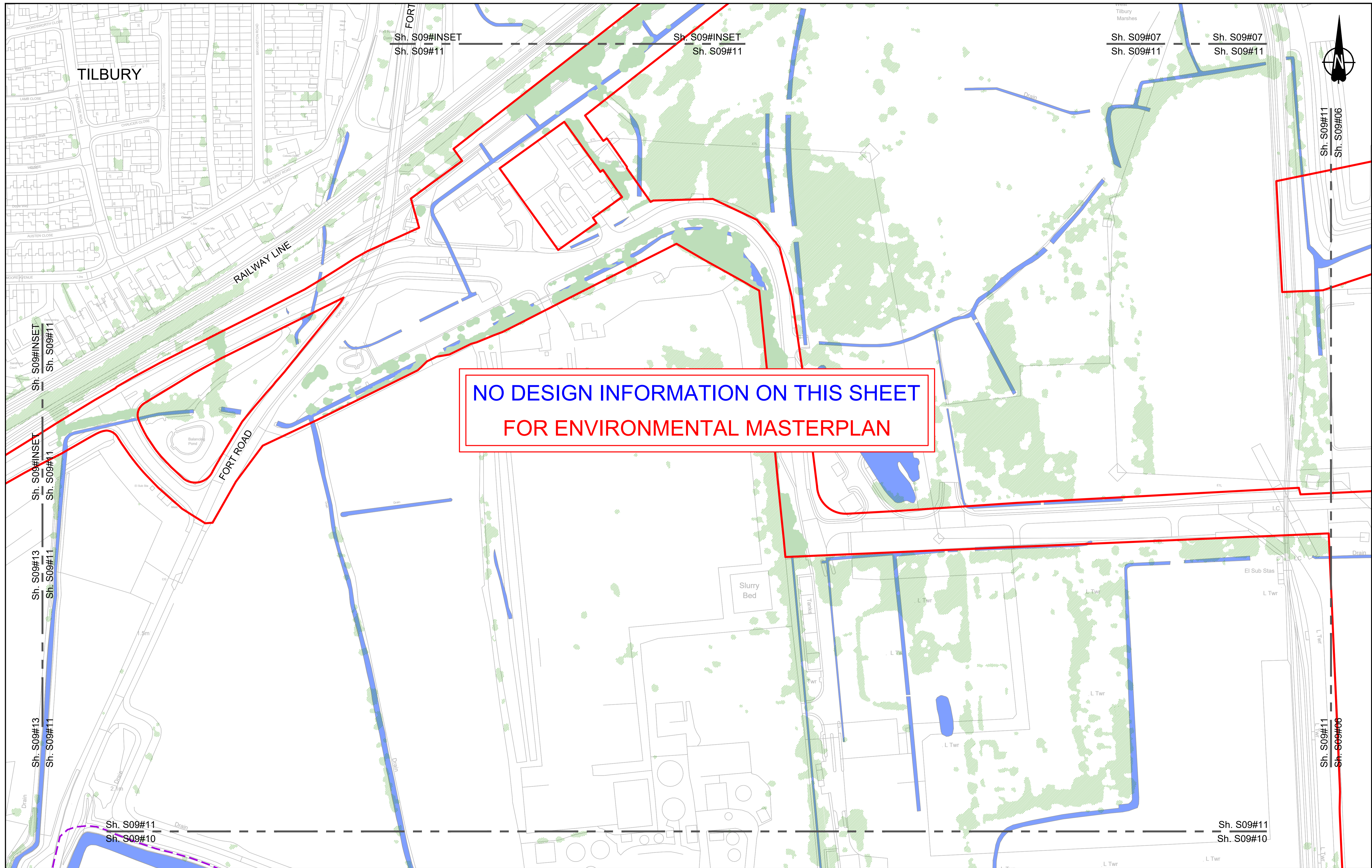
Grassland (LE 1)	Planting (LE 2)	Individual Trees (LE 5)	Ecological Habitats (LE 8)	Ecological (E 3)
LE 1.3 Species Rich Grassland	LE 2.1 Woodland	LE 5.1 Individual Trees	LE 8.1 Open Mosaic Habitat	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
LE 1.31 Species Rich Chalk Grassland	LE 2.11 Woodland With Non-Native Species	LE 5.11 Water Bodies - Standing Water	LE 8.2 Ancient Woodland Compensation Planting	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.14 Wet / Carr Woodland	LE 5.12 Wetland Mitigation Planting	LE 8.3 Woodland Mitigation Planting	E 3.2 Bat Boxes
LE 1.4 Rock and Scree	LE 2.2 Woodland Edge	LE 5.2 Wetland Mitigation Planting	LE 8.4 Wetland / Farmland Creation	E 3.2 Ecological Culvert
	LE 2.22 Scrub Woodland	LE 5.3 Ecology Pond (indicative symbol only)	LE 8.5 Ecology Pond (indicative symbol only)	E 3.2 Bat Barn Block
	LE 2.4 Linear Belt of Shrubs and Trees	LE 5.4 Banks and Ditches - High Tide Root Features	LE 8.6 Acid Grassland Soil Salvage	

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 10		
Drawing Number: HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00011		

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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	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 Permanent Acquisition of Land	Planting (LE 2) LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species LE 2.14 Wet / Carr Woodland	LE 2.5 Shrubs With Intermittent Trees LE 2.7 Scattered 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	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) 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	Hard Landscape Features (LE 7) LE 7.4 Reinforced Earth Bund	Earthworks Proposed Contours	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		
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Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00012		

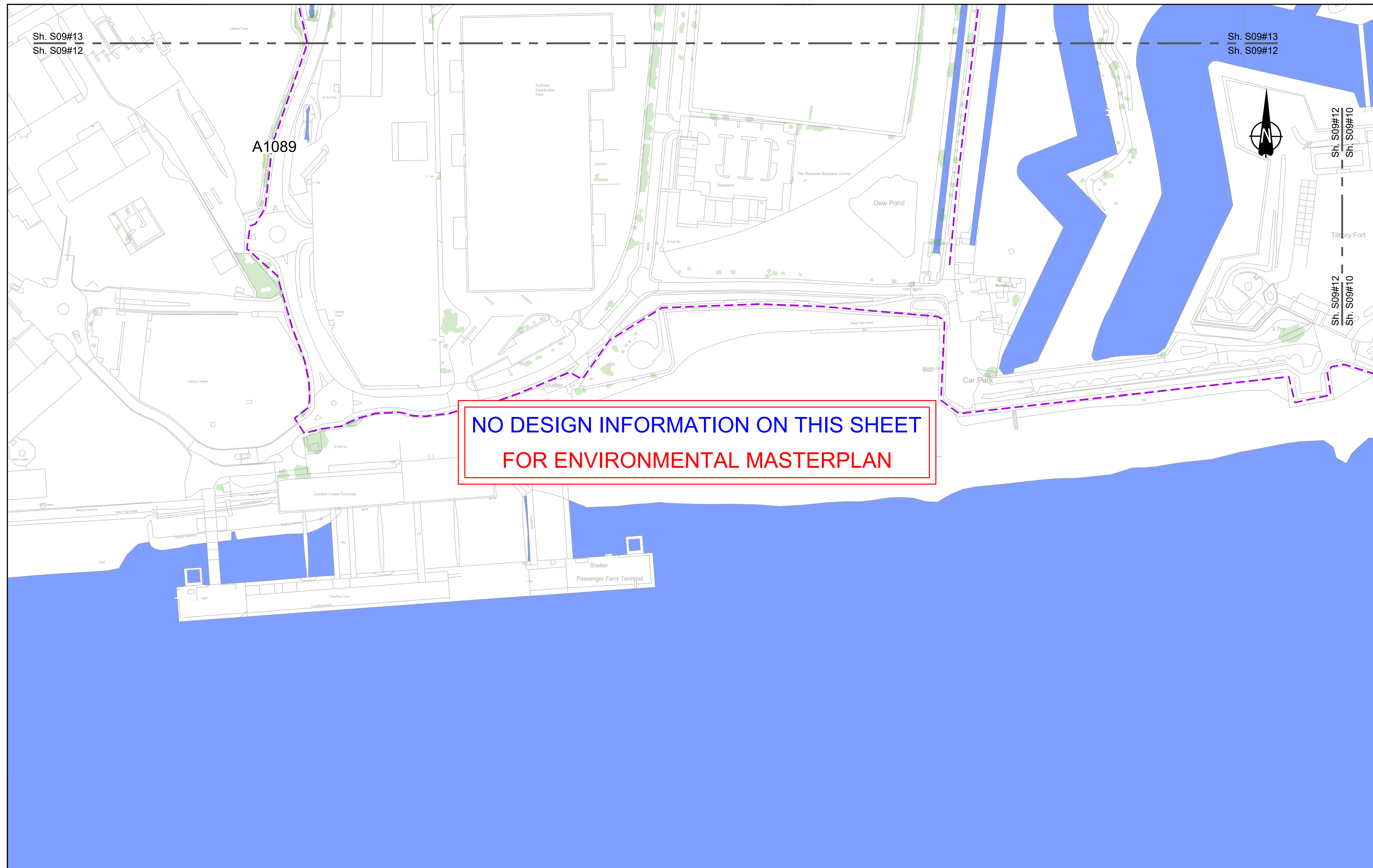
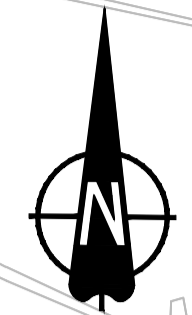
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Sh. S09#12
Sh. S09#10
Sh. S09#12
Sh. S09#10



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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
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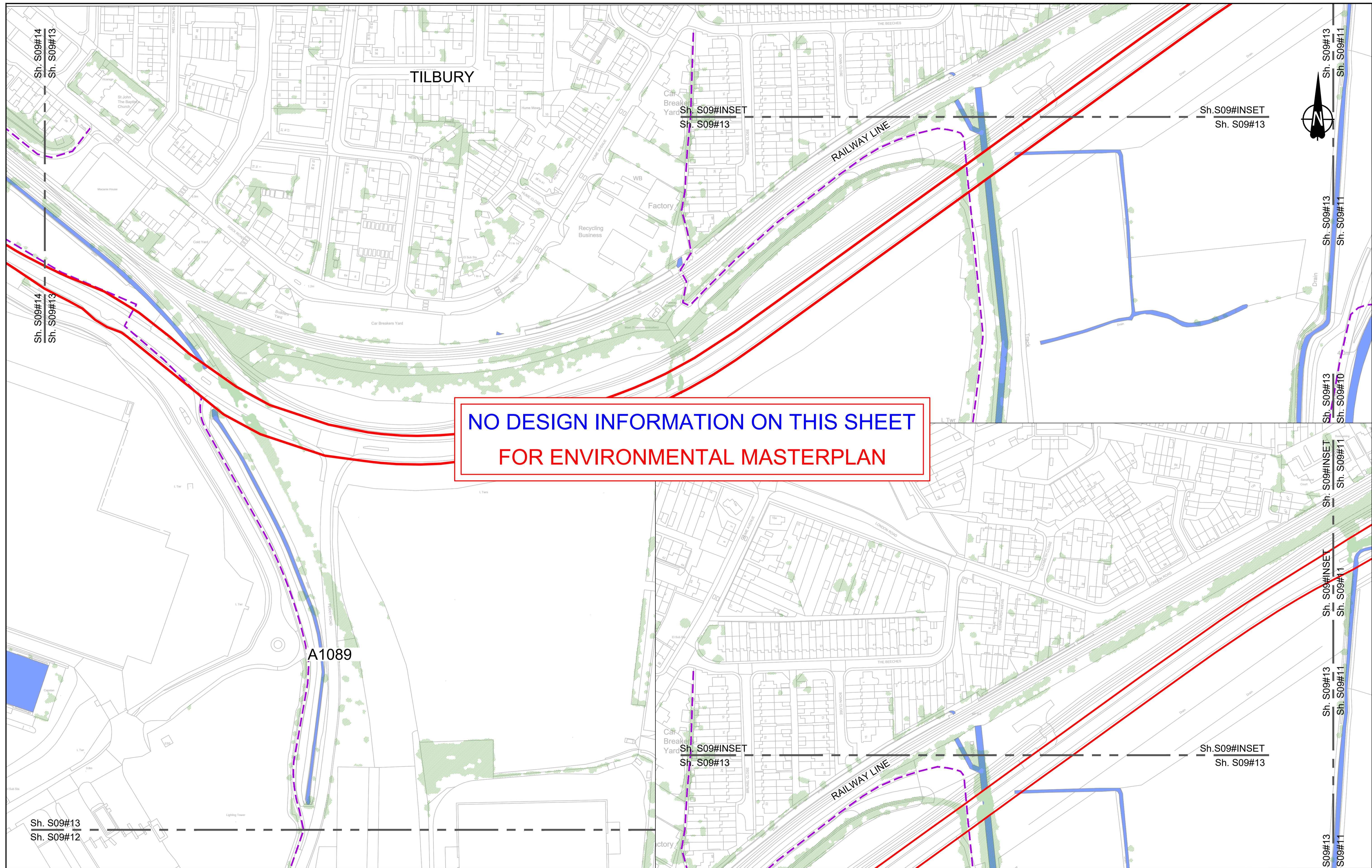
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Order Limits Permanent Acquisition of Land	Grassland (LE 1) LE 1.3 Species Rich Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual Wildflower Grassland LE 1.4 Rock and Scree	Planting (LE 2) LE 2.1 Woodland LE 2.11 Woodland With 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	Individual Trees (LE 5) LE 5.1 Individual Trees	Wetland Habitats (LE 6) LE 6.1 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	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) 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:

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		



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FOR ENVIRONMENTAL MASTERPLAN

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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 Barbed Earth Bund	High Tide Root 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 Wet Grassland	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			E 3.2.1 Ecological Fencing (inc. highway boundary fence)
LE 8.3 Woodland Mitigation Planting			E 3.2.2 Ecological Culvert
LE 8.4 Wetland / Farmland Creation			E 3.2.3 Ecological Fencing
LE 8.5 Ecology Pond (indicative symbol only)			
LE 8.6 Acid Grassland Soil Salvage			

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	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 Water Bodies - Standing Water
LE 1.31 Species Rich Chalk Grassland	LE 2.8 Scrub / Scattered Scrub	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape
LE 1.32 Species Rich Annual Wildflower Grassland	Hedges (LE 4)	LE 6.2 Banks and Ditches
LE 1.4 Rock and Scree	LE 4.3 Native Species Hedge (untrimmed)	LE 6.21 Banks and Ditches - High Tide Root Features
	LE 4.4 Native Hedgerow With Trees	Hard Landscape Features (LE 7)
	LE 2.5 Shrubs With Intermittent Trees	LE 7.4 Reinforced Earth Band
	LE 2.7 Scattered Trees	Earthworks
	LE 2.8 Scrub / Scattered Scrub	Proposed Contours

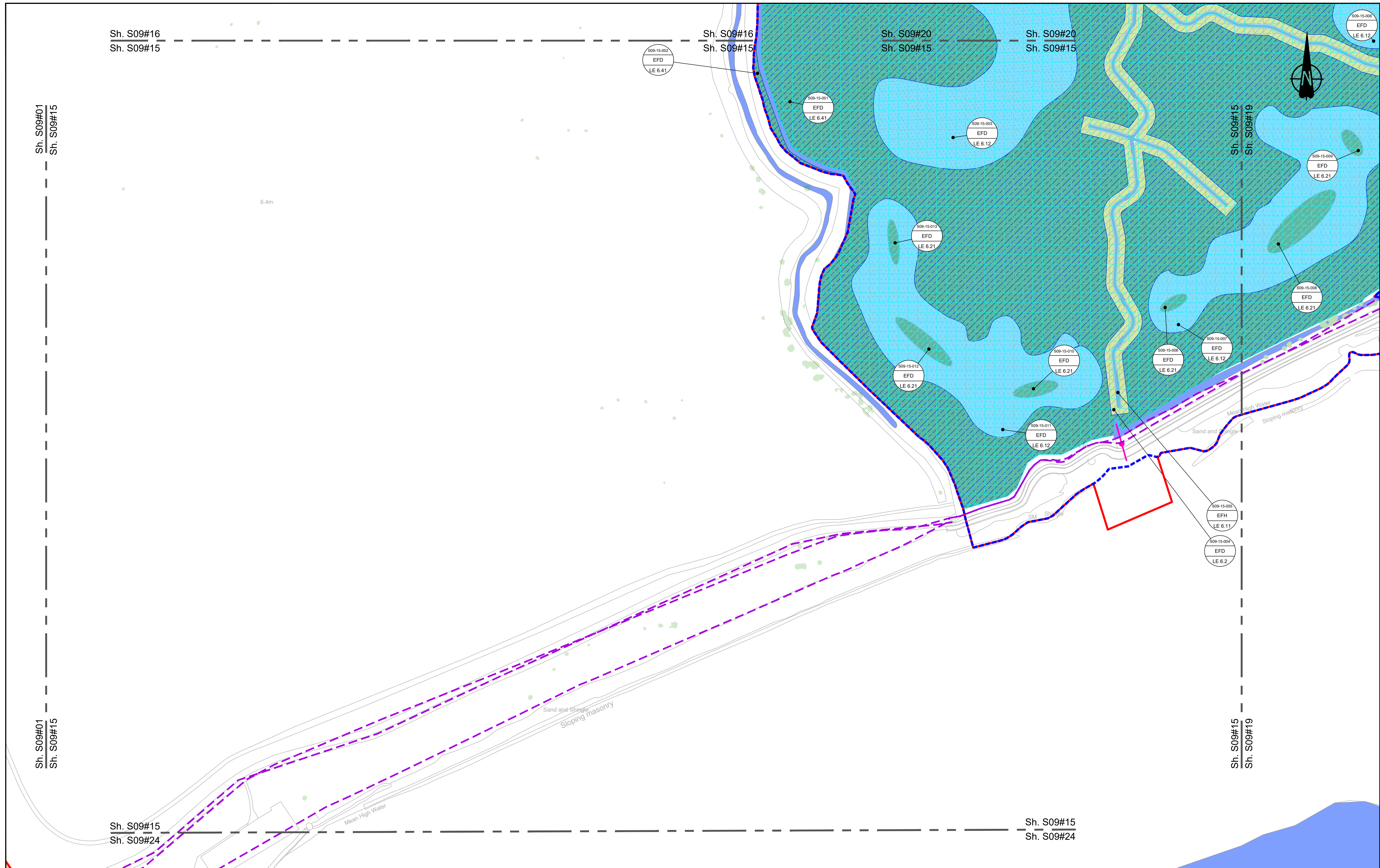
Ecological Habitats (LE 8)	Noise (E 1)	Ecological (E 3)
LE 8.1 Open Mosaic Habitat	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
LE 8.2 Ancient Woodland Compensation Planting	E 1.2 Acoustic Barrier-Built Elements (typically 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 / Farmland 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		

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		



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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	Check'd	Apprv'd

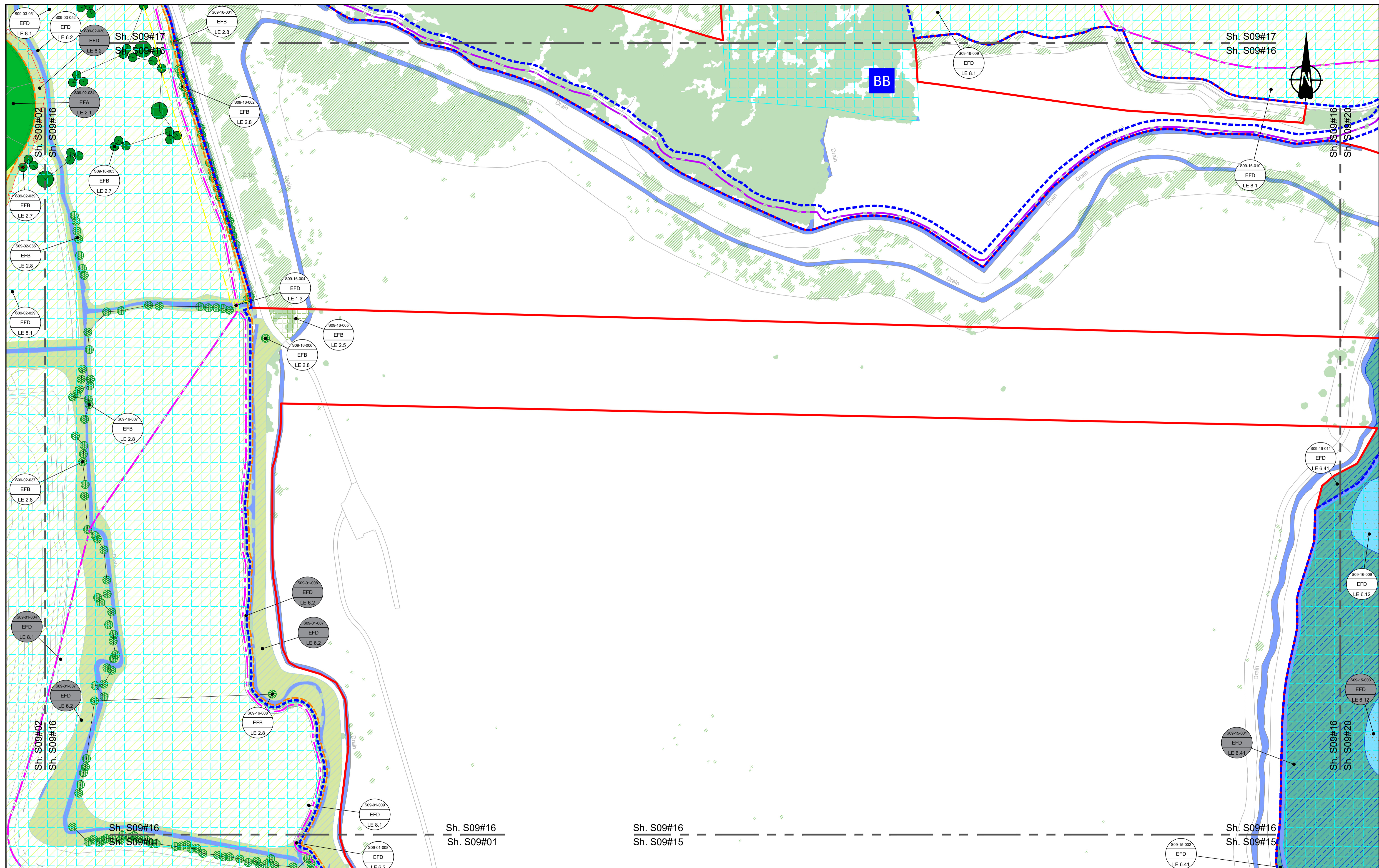
Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

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	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	LE 6.2 Banks and Ditches	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 6.2 Wet Grassland - Coastal Grazing Marsh	LE 7.5 Proposed Contours	LE 8.2 Ancient Woodland Compensation Planting	E 1.1 Flood Compensation Areas (E 2-FCA)	LE 6.21 Banks and Ditches - High Tide Roost Features	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 6.4 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 7.6 Earthworks	LE 8.3 Woodland Mitigation Planting	E 2.1 Flood Defence (E 2-FD)	LE 6.22 Scrub Woodland	E 3.2 Ecological Culvert
LE 1.4 Rock and Scree	LE 2.2 Woodland Edge	LE 5.4 Hedges (LE 4)	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape	LE 7.7 Earthworks	LE 8.4 Wetland / Fenland Creation	E 3.2 Ecological Culvert	LE 2.4 Linear Belt of Shrubs and Trees	E 3.2 Bat Boxes
	LE 2.22 Scrub Woodland	LE 4.3 Native Species Hedge (untrimmed)	LE 6.21 Banks and Ditches - High Tide Roost Features		LE 8.5 Ecology Pond (indicative symbol only)	E 3.2 Bat Boxes		E 3.2 Bat Barn Block
		LE 4.4 Native Hedgerow With Trees			LE 8.6 Acid Grassland Soil Salvage			

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 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.

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).

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

Wetland Habitats (LE 6)

- 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

Hard Landscape Features (LE 7)

- 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 / 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

Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status: **Initial Status or WIP**

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

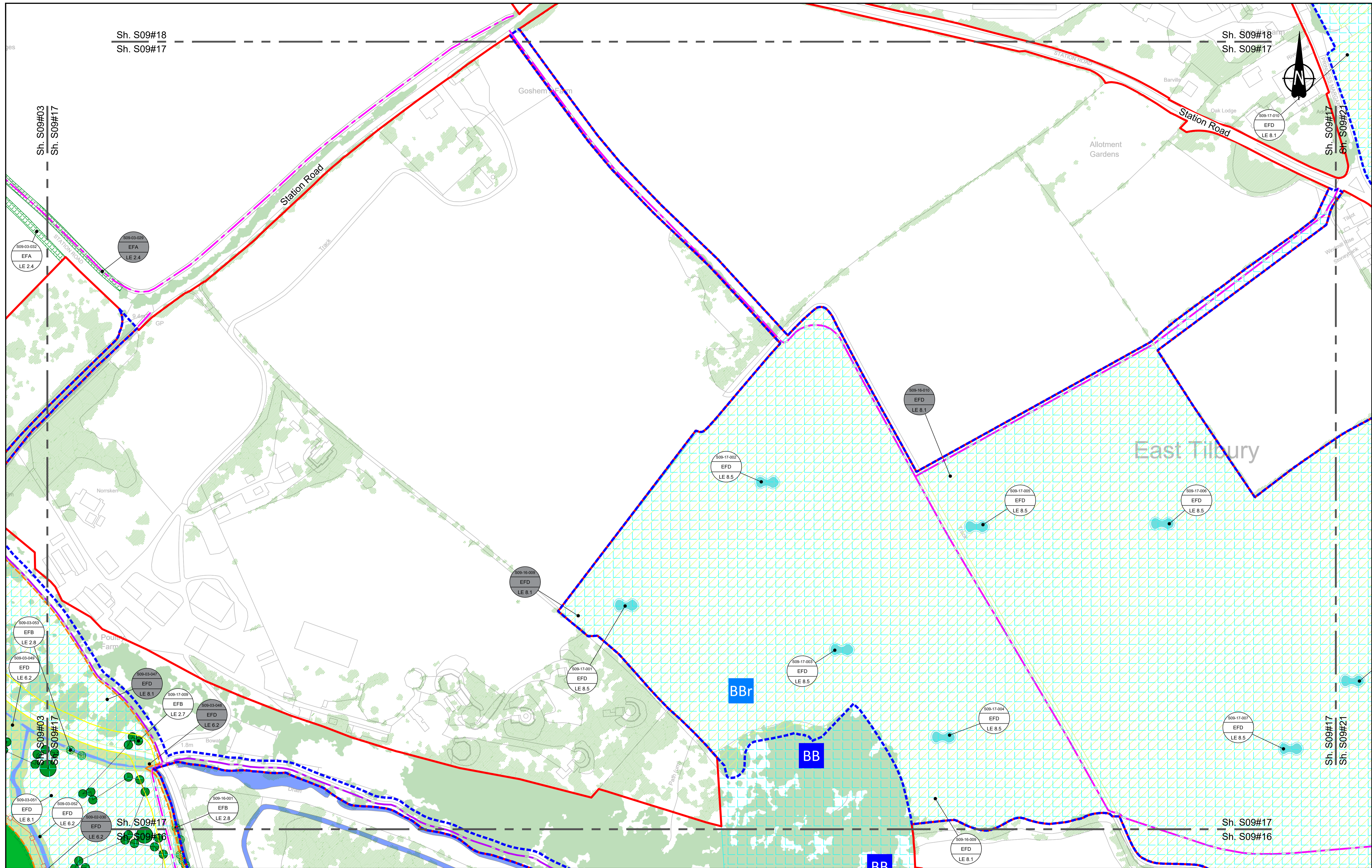
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Original Size: **A1** Revision: **P01.6**

Drawing title: **ENVIRONMENTAL MASTERPLAN SECTION 9 SHEET 16**

Drawing Number: **HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00017**

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

P01.6 SO 08/08/2022 LD

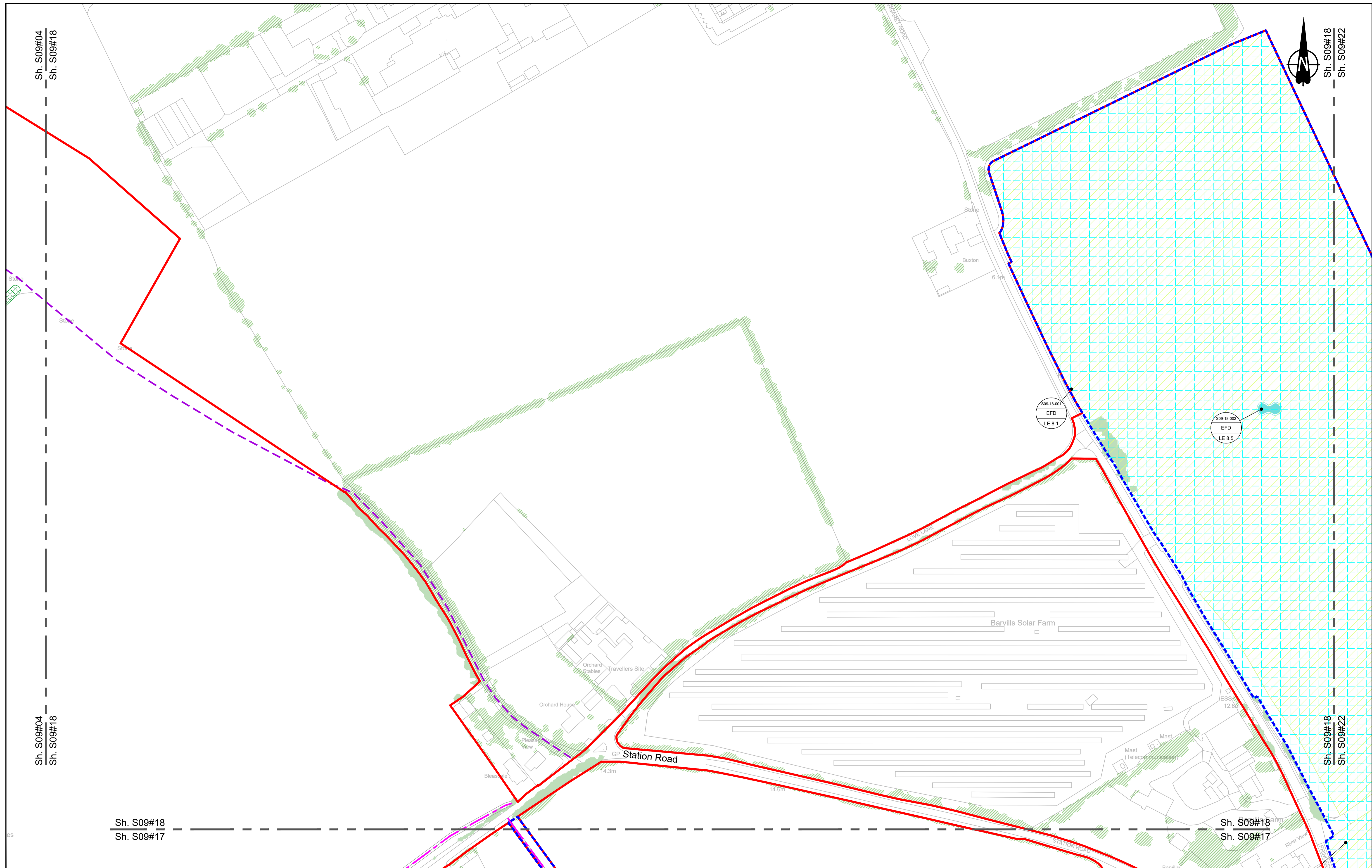
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001)	
Order Limits	Planting (LE 2)
Permanent Acquisition of Land	LE 2.1 Woodland
LE 1.3 Species Rich Grassland	LE 2.11 Woodland With Non-Native Species
LE 1.31 Species Rich Chalk Grassland	LE 2.14 Wet / Carr Woodland
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.2 Woodland Edge
LE 1.4 Rock and Scree	LE 2.22 Scrub Woodland
LE 2.5 Shrubs With Intermittent Trees	LE 2.4 Linear Belt of Shrubs and 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)	
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	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)
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).

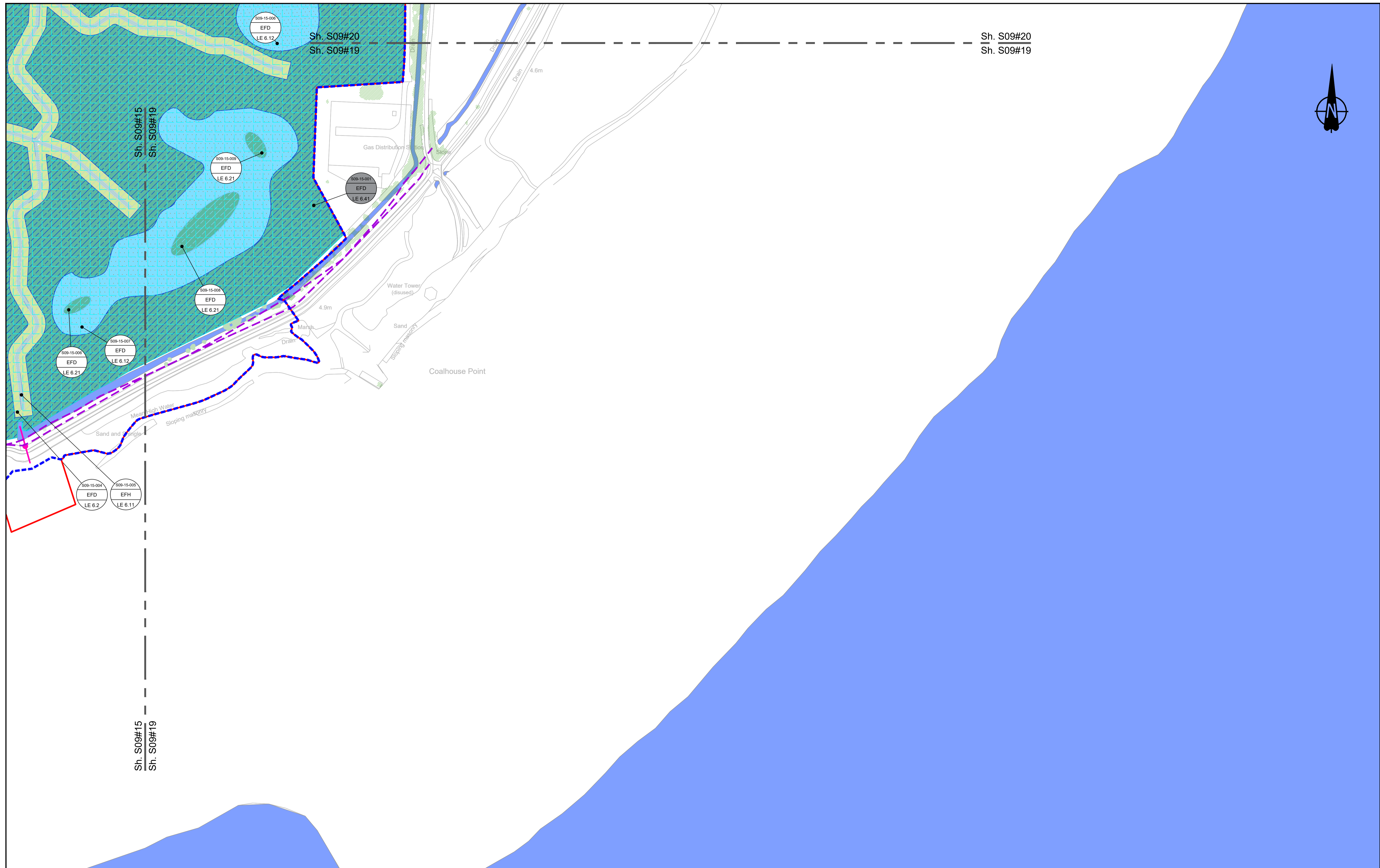
<p>Order Limits</p> <ul style="list-style-type: none"> Permanent Acquisition of Land <p>Grassland (LE 1)</p> <ul style="list-style-type: none"> LE 1.3 Species Rich Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual Wildflower Grassland LE 1.4 Rock and Scree 	<p>Planting (LE 2)</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 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 / 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"> 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>Other Features</p> <ul style="list-style-type: none"> LE 6.4 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.42 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.43 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.44 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.45 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.46 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.47 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.48 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.49 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.50 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.51 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.52 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.53 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.54 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.55 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.56 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.57 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.58 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.59 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.60 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.61 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.62 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.63 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.64 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.65 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.66 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.67 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.68 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.69 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.70 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.71 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.72 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.73 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.74 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.75 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.76 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.77 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.78 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.79 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.80 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.81 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.82 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.83 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.84 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.85 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.86 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.87 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.88 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.89 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.90 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.91 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.92 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.93 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.94 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.95 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.96 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.97 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.98 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.99 Marsh and Wet Grassland - Coastal Grazing Marsh LE 7.00 Marsh and Wet Grassland - Coastal Grazing Marsh
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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 18				
Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00019				

HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00019.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	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).

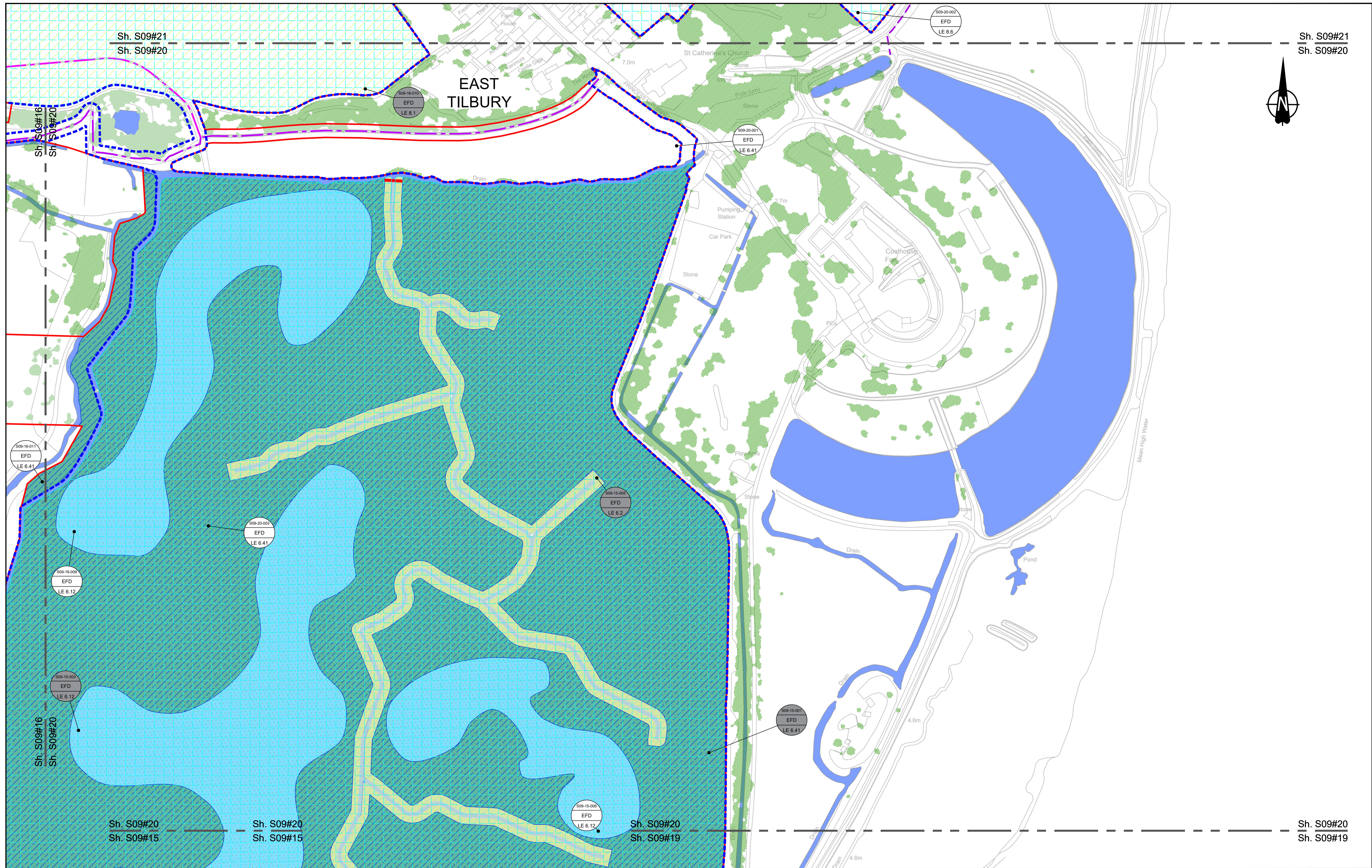
<p>Order Limits</p> <ul style="list-style-type: none"> Order Limits Permanent Acquisition of Land <p>Grassland (LE 1)</p> <ul style="list-style-type: none"> LE 1.3 Species Rich Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual Wildflower Grassland LE 1.4 Rock and Scree 	<p>Planting (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 1:2500 (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

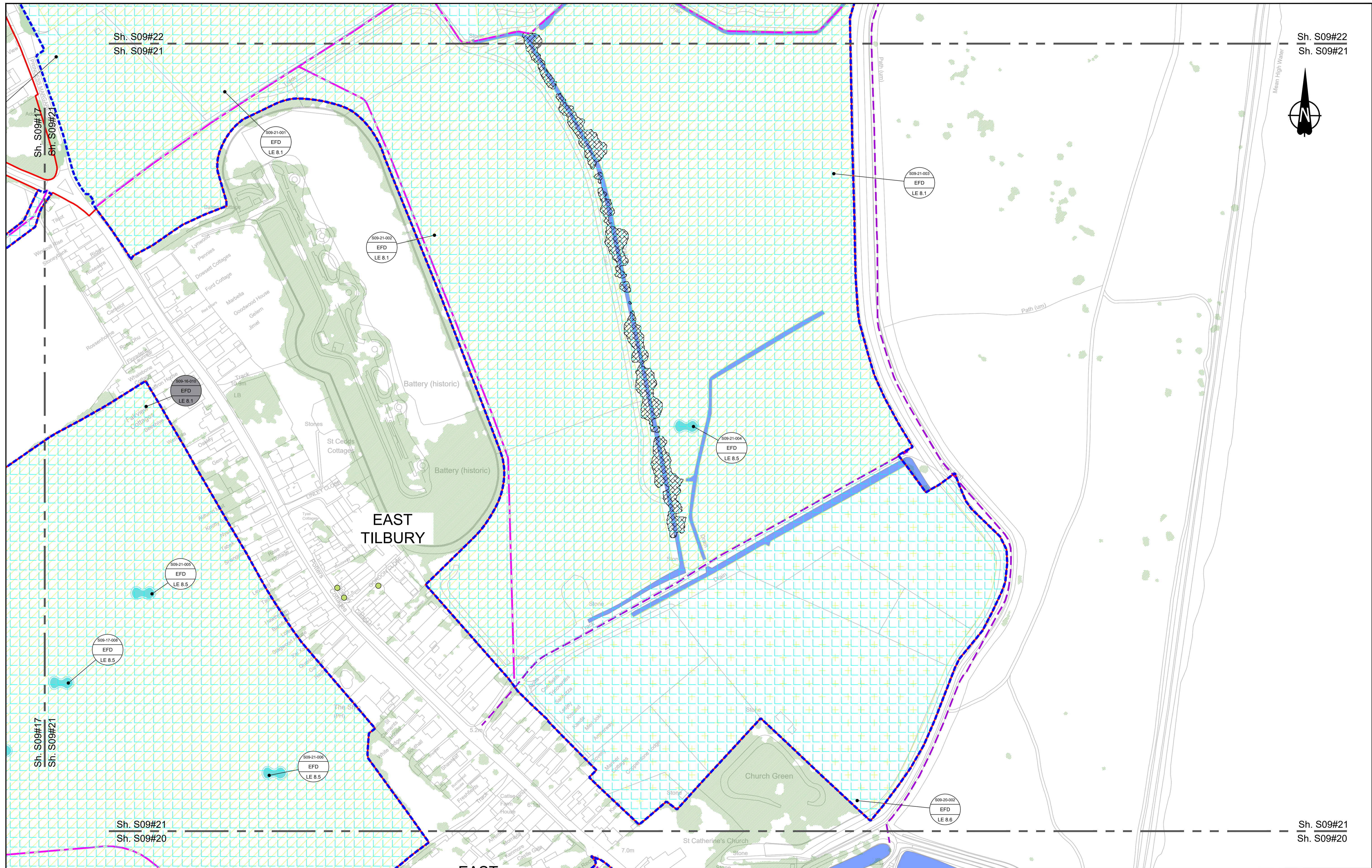
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<p>Order Limits</p> <ul style="list-style-type: none"> Permanent Acquisition of Land <p>Grassland (LE 1)</p> <ul style="list-style-type: none"> LE 1.3 Species Rich Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual Wildflower 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 Barks and Ditches LE 6.4 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 / Farmland 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 Bat Boxes E 3.2 Ecological Culvert E 3.2 Bat Barn Block
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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				



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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.

P01.6 SO 08/08/2022 LD

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

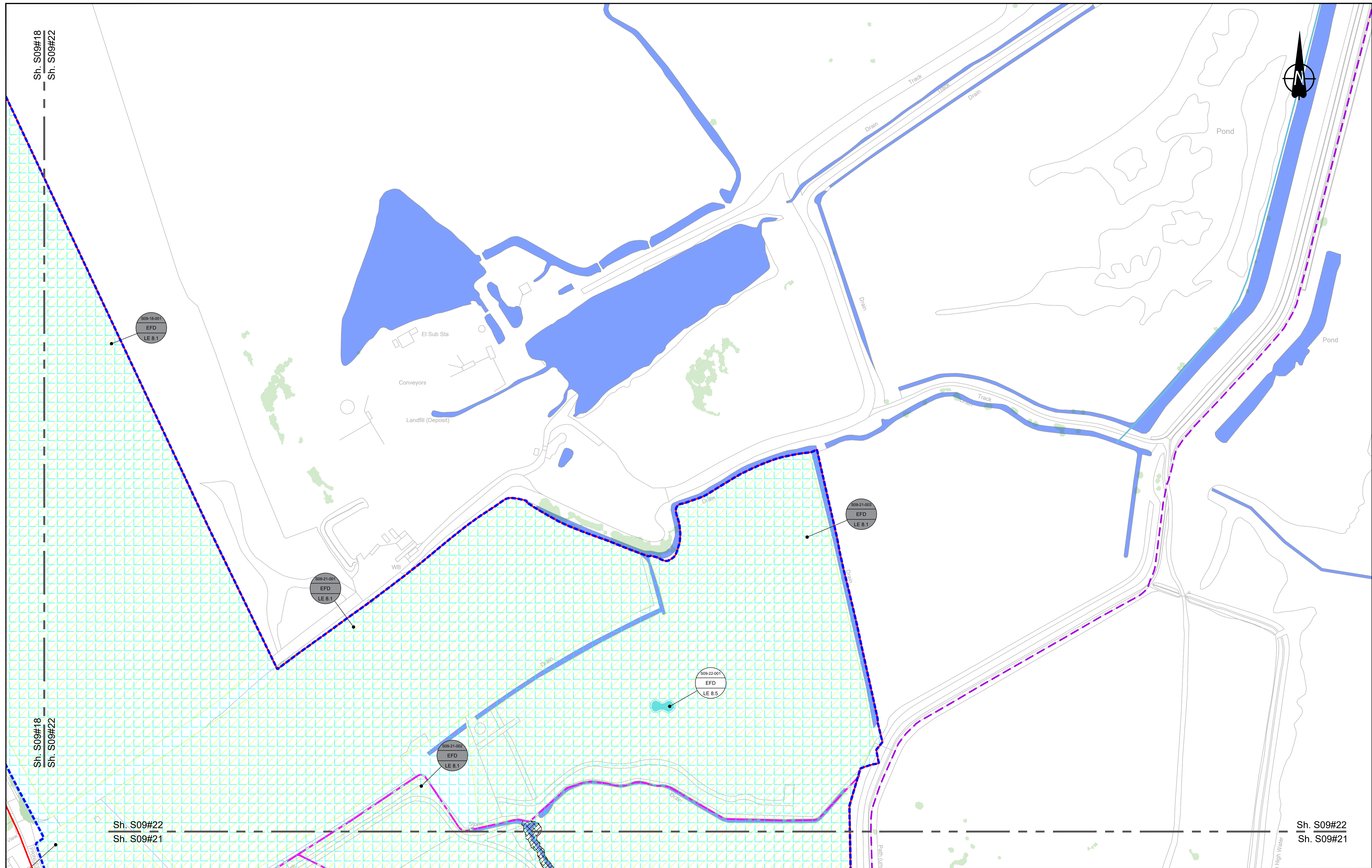
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Grassland (LE 1)	Planting (LE 2)	Individual Trees (LE 5)	Ecological Habitats (LE 8)	Noise (E 1)	Water (E 2)
LE 1.3 Species Rich Grassland	LE 2.1 Woodland	LE 5.1 Individual Trees	LE 8.1 Open Mosaic Habitat	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	LE 2.5 Shrubs With Intermittent Trees
LE 1.31 Species Rich Chalk Grassland	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)	LE 2.7 Scattered Trees
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.14 Wet / Carr Woodland	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape	LE 8.3 Wetland Mitigation Planting	E 2.2 Flood Compensation Areas (E 2-FCA)	LE 2.8 Scrub / Scattered Scrub
LE 1.4 Rock and Scree	LE 2.2 Woodland Edge	LE 6.2 Banks and Ditches	LE 8.4 Wetland / Farland Creation	Flood Defence (E 2-FD)	Hedges (LE 4)
	LE 2.22 Scrub Woodland	LE 6.4 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 8.5 Ecology Pond (indicative symbol only)		LE 4.3 Native Species Hedge (untrimmed)
	LE 2.4 Linear Belt of Shrubs and Trees	LE 7.4 Reinforced Earth Band	LE 8.6 Acid Grassland Soil Salvage		LE 4.4 Native Hedgerow With Trees
		Earthworks			
		Proposed Contours			

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 21		
Drawing Number	HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00022		



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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.

P01.6 SO 08/08/2022 LD

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

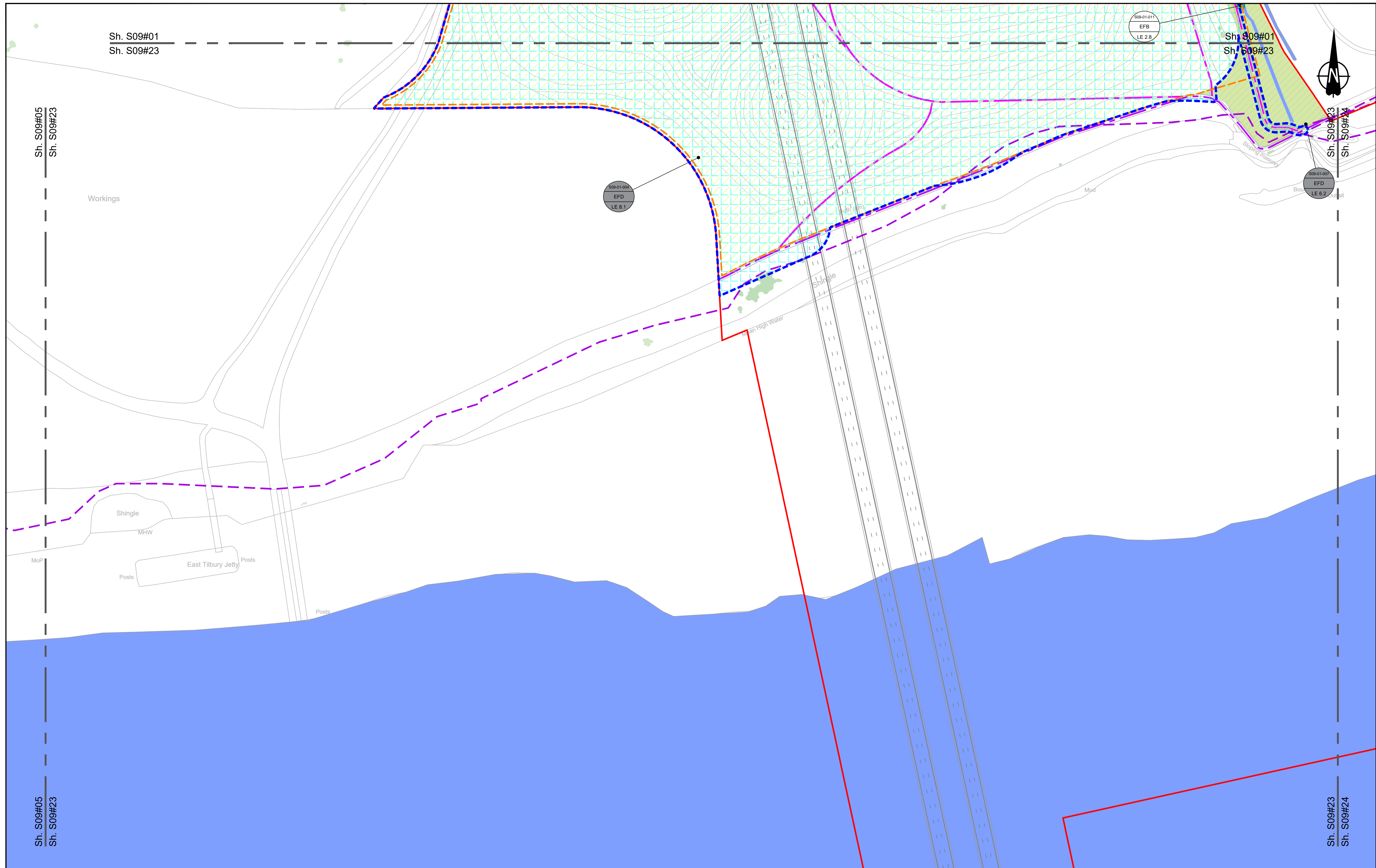
Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

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)
<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 LE 6.1 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 	<ul style="list-style-type: none"> LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh LE 7.4 Reinforced Earth Bund 	<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 8.1 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 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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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

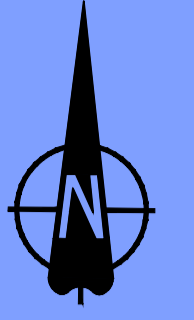
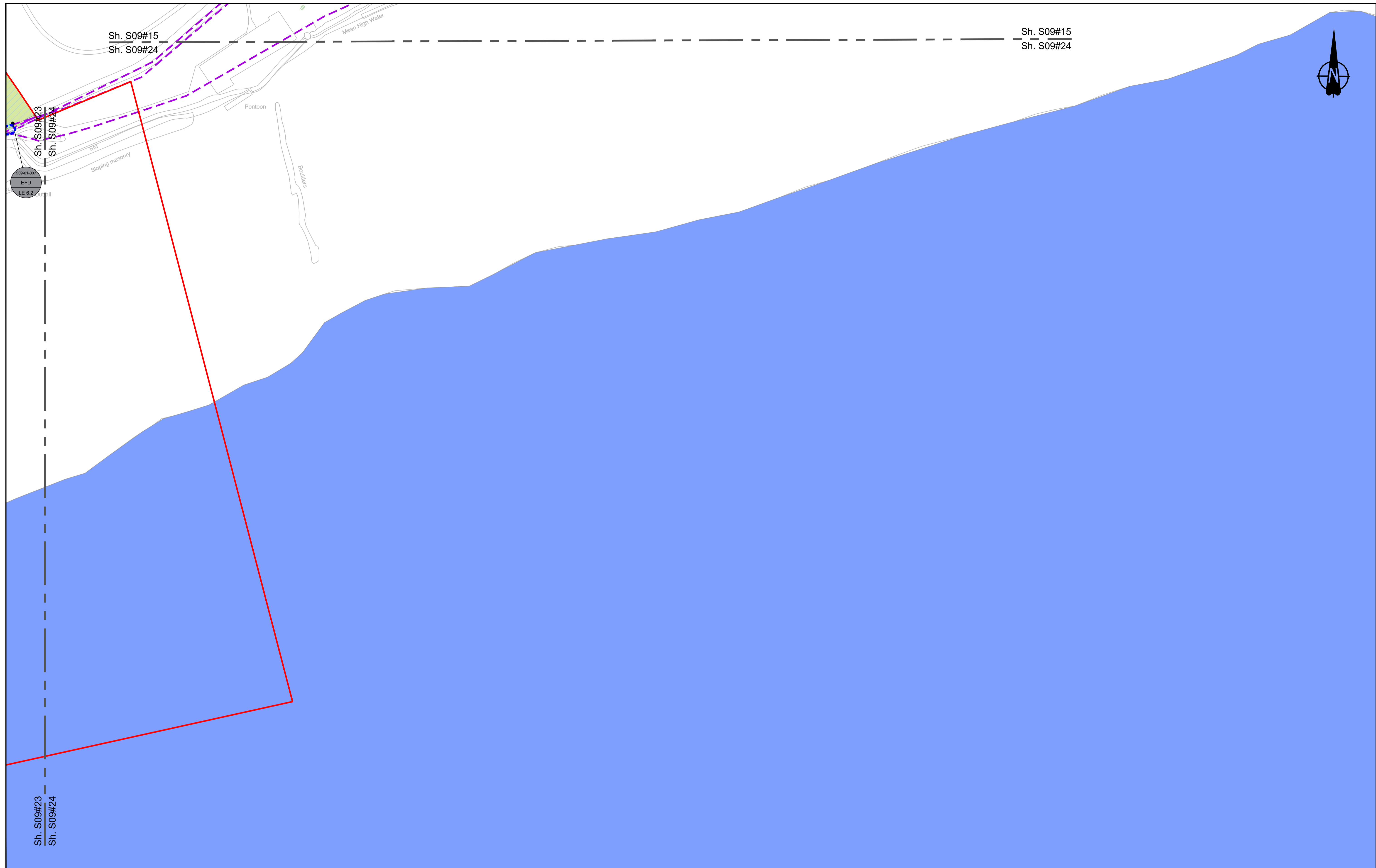
Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

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)
<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 6.1 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 	<ul style="list-style-type: none"> LE 7.4 Reinforced Earth Bund 	<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 	<ul style="list-style-type: none"> E 2 Flood Compensation Areas (E 2-FCA) E 2 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

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 23		
Drawing Number: HE540039-CJV-EGN-S09_EN000000_Z-DR-ZZ-00024		



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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 6.1 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>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 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	P01.2
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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