

## Lower Thames Crossing

### 6.2 Environmental Statement Figures

#### Figure 2.4 - Environmental Masterplan Section 14 (10 of 10) (Tracked changes version)

APFP Regulation 5(2)(a)

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

Volume 6

**DATE: August 2023**  
**DEADLINE: 2**

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

**VERSION: 2.0**

# Lower Thames Crossing

## Figure 2.4: Environmental Masterplan

### List of contents

	<b>Page number</b>
<b>1 Environmental Masterplan: Section 14.....</b>	<b>1</b>
1.1 Schedule of Plans included in this application document.....	1
1.2 Section 14 (Sheets 1-18) .....	2
1.3 Scheme Overview.....	4
1.4 Environmental Masterplan Legend .....	6
1.5 Section 14.....	8

# 1 Environmental Masterplan: Section 14

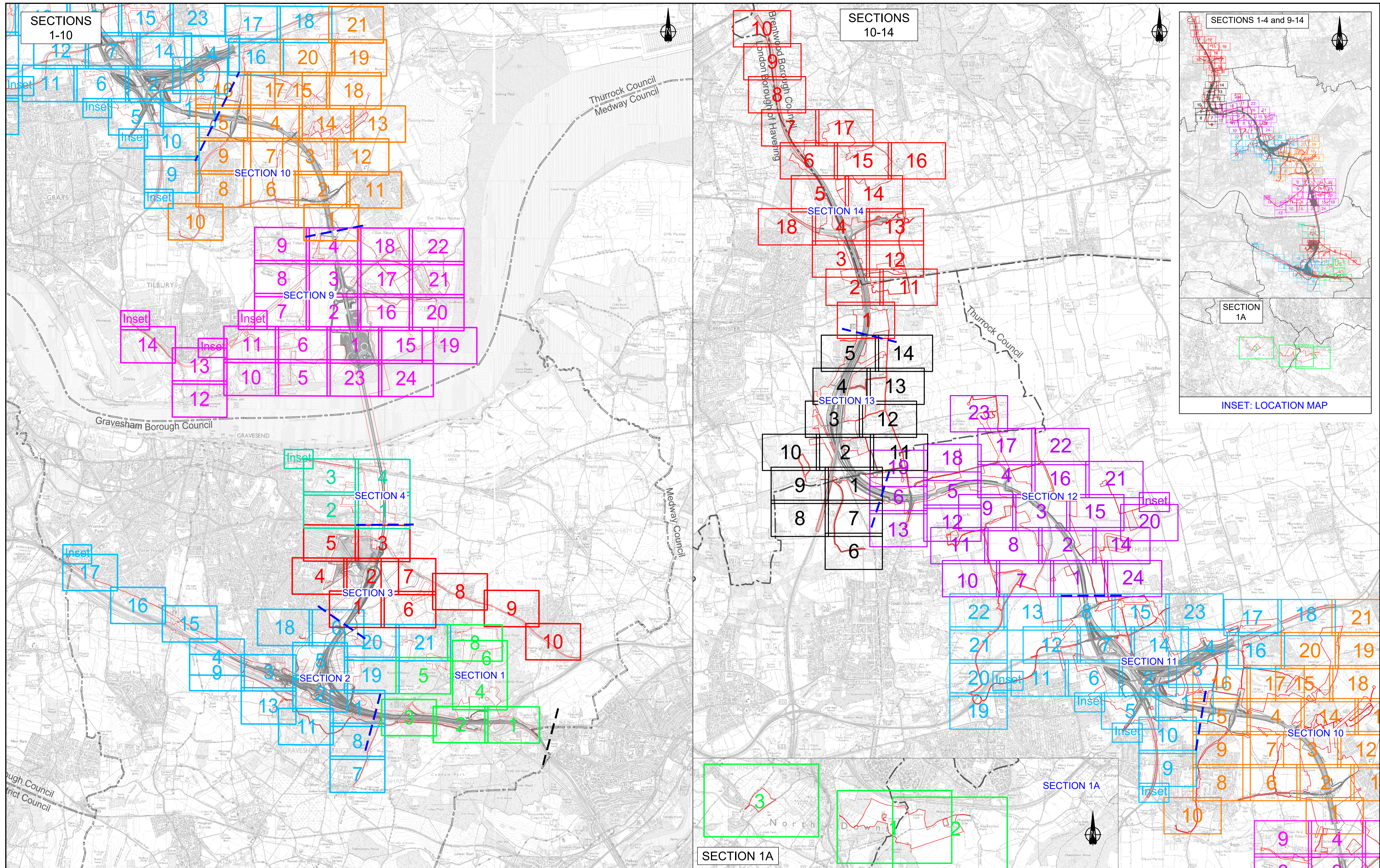
## 1.1 Schedule of Plans included in this application document

## 1.2 Section 14 (Sheets 1-18)

HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ- 00001 - Section Overview	TR010032/APP/6.2	P01.5
HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ- 00002 - Section 14 Sheet 1	TR010032/APP/6.2	P02
HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ- 00003 - Section 14 Sheet 2	TR010032/APP/6.2	P02
HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ- 00004 - Section 14 Sheet 3	TR010032/APP/6.2	P02
HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ- 00005 - Section 14 Sheet 4	TR010032/APP/6.2	P02
HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ- 00006 - Section 14 Sheet 5	TR010032/APP/6.2	P02
HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ- 00007 - Section 14 Sheet 6	TR010032/APP/6.2	P02
HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ- 00008 - Section 14 Sheet 7	TR010032/APP/6.2	P01.5
HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ- 00009 - Section 14 Sheet 8	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ- 00010 - Section 14 Sheet 9	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ- 00011 - Section 14 Sheet 10	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ- 00012 - Section 14 Sheet 11	TR010032/APP/6.2	P01.6

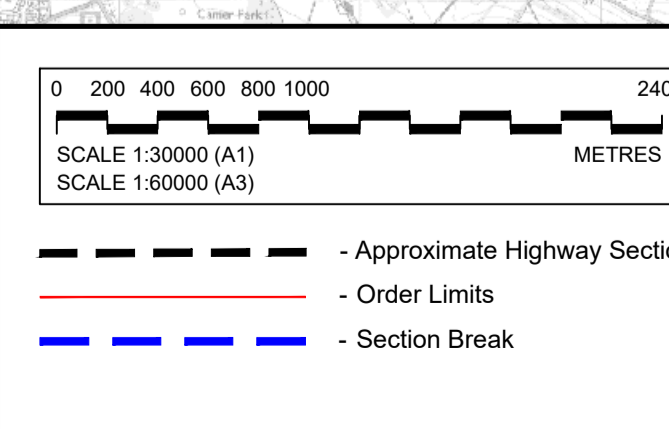
HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ- 00013 - Section 14 Sheet 12	TR010032/APP/6.2	P01.5
HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ- 00014 - Section 14 Sheet 13	TR010032/APP/6.2	P01.5
HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ- 00015 - Section 14 Sheet 14	TR010032/APP/6.2	P01.5
HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ- 00016 - Section 14 Sheet 15	TR010032/APP/6.2	P01.2
HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ- 00017 - Section 14 Sheet 16	TR010032/APP/6.2	P01.2
HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ- 00018 - Section 14 Sheet 17	TR010032/APP/6.2	P01.2
HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ- 00019 - Section 14 Sheet 18	TR010032/APP/6.2	P01.3

## 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: <b>ENVIRONMENTAL MASTERPLAN SCHEME OVERVIEW</b>			
Drawing Number: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00002			

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## 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**

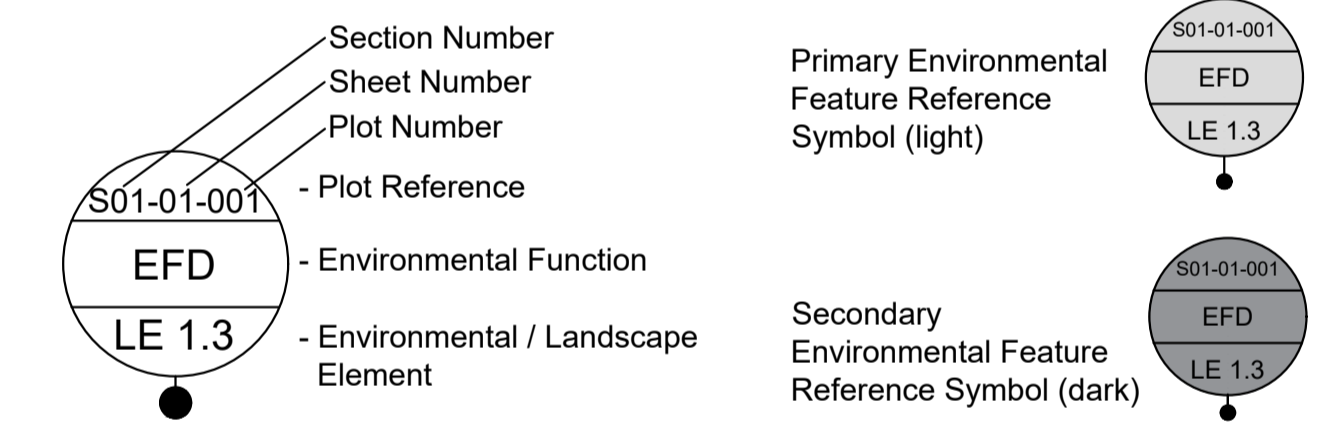
The outline Landscape and Ecology Management Plan (LEMP) separately sets out the proposed management for the environmental / landscape elements shown on the Environmental Masterplan. The Environment Masterplan secures the spatial extent and location of the environmental / landscape elements detailed 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**

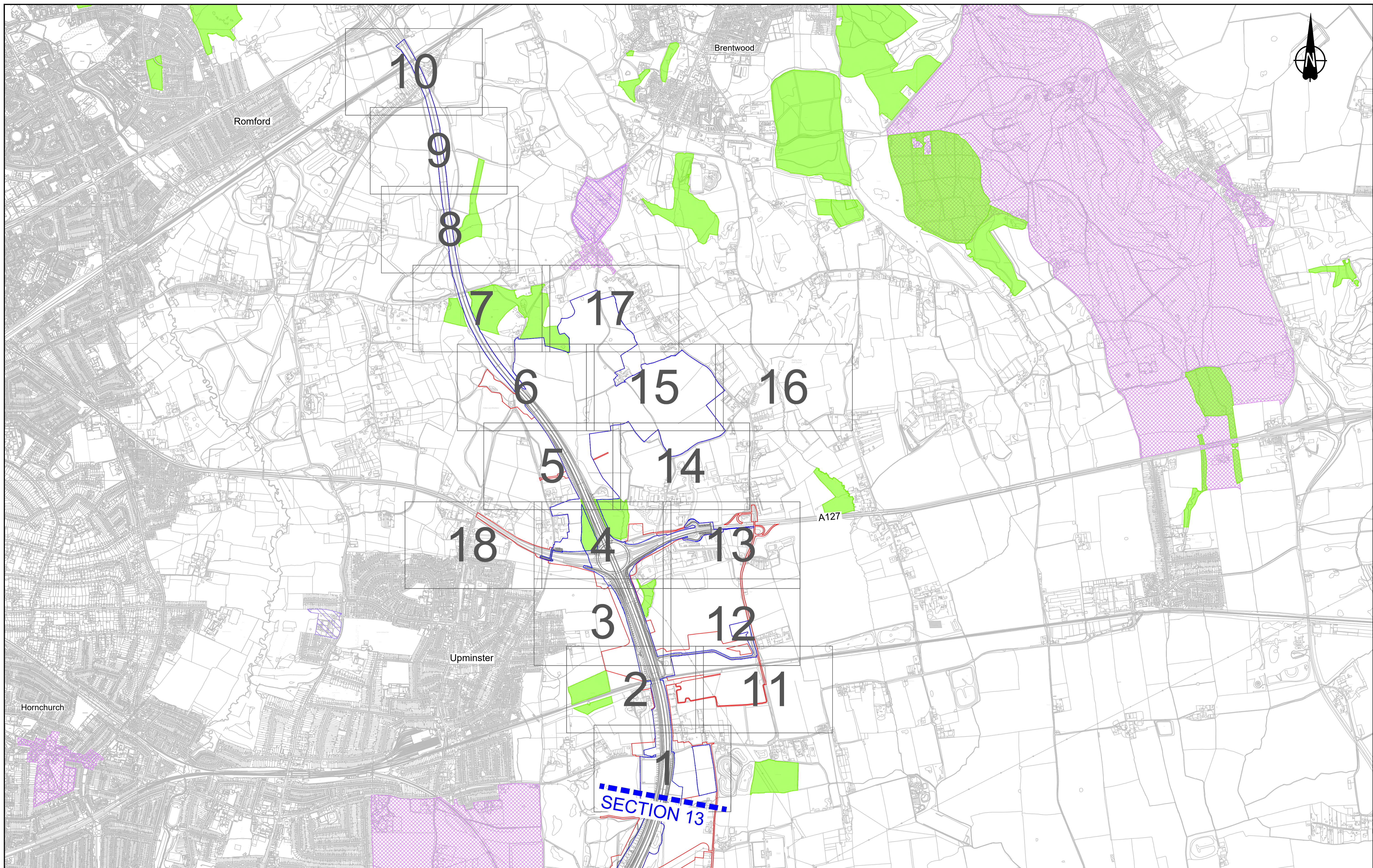
For further detail on the Landscape Design and Special Category Land shown within these plans, as well as the associated background and approach, please refer to the Project Design Report, Volume 2 Book of Plans, and Design Principles document (Application Documents 7.4, 6.2 and 7.5 respectively).

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Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
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	Client	Status	Initial Status or WIP	Original Size	Revision
	Project	Application Document Number	TR010032/APP/6.2	A1	P01.6
LOWER THAMES CROSSING		Drawing title	ENVIRONMENTAL MASTERPLAN LEGEND		
		Drawing Number	HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001		

## 1.5 Section 14



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0 100 200 300 400 500 600 700 800 900 1000  
 SCALE 1:5000 (A1)  
 SCALE 1:10000 (A3)  
 METRES

P01.5 50 08/08/2022 LD

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

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

Client

Project **LOWER THAMES CROSSING**

Status	Initial Status or WIP	Original Size	A1	Revision	P01.5
Application Document Number	TR010032/APP/6.2	Scale	AS SHOWN		
Drawing title	<b>ENVIRONMENTAL MASTERPLAN OVERVIEW PLAN SECTION 14</b>				
Drawing Number	HE540039-CJV-EGN-S14_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	Check'd	Apprv'd

**Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZ2\_EN000000\_Z-DR-ZZ-00001).**

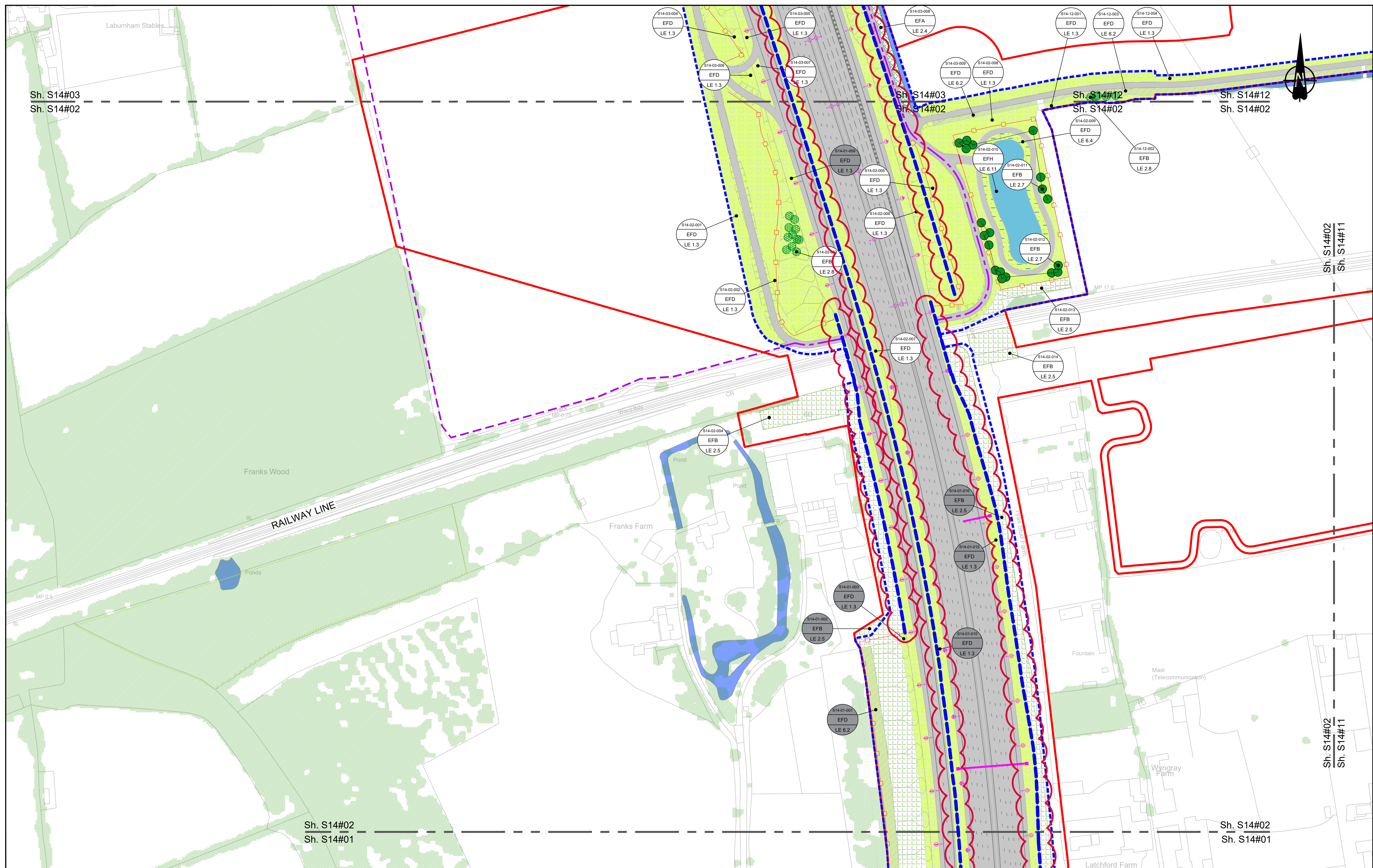
<b>Order Limits</b> Permanent Acquisition of Land	<b>Planting (LE 2)</b> LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species LE 2.14 Wet / Carr Woodland LE 2.2 Woodland Edge LE 2.22 Scrub Woodland LE 2.4 Linear Belt of Shrubs and Trees	LE 2.5 Shrubs With Intermittent Trees LE 2.7 Scattered Trees LE 2.8 Scrub / Scattered Scrub <b>Hedges (LE 4)</b> LE 4.3 Native Species Hedge (untrimmed) LE 4.4 Native Hedgerow With Trees	<b>Individual Trees (LE 5)</b> LE 5.1 Individual Trees <b>Wetland Habitats (LE 6)</b> 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	LE 6.4 Wet Grassland LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh LE 7.4 Reinforced Earth Bund <b>Earthworks</b> Proposed Contours	<b>Ecological Habitats (LE 8)</b> 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	<b>Noise (E 1)</b> LE 1.2 Acoustic Barrier - Built Elements (typically inc. highway boundary fence) <b>Water (E 2)</b> Flood Compensation Areas (E 2-FCA) Flood Defence (E 2-FD)	<b>Ecological (E 3)</b> 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: PINS Submission	Original Size: A1	Revision: P02
Application Document Number: TR010032/APP/6.2	Scale: 1:1250	
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Drawing Number: HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00002		

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SCALE 1:2500 (A3)

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

P01	S2	25/10/2022	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-SZ2\_EN000000\_Z-DR-ZZ-00001).**

Order Limits	<b>Planting (LE 2)</b>	LE 2.5 Shrubs With Intermittent Trees
Permanent Acquisition of Land	LE 2.1 Woodland	LE 2.7 Scattered Trees
<b>Grassland (LE 1)</b>	LE 2.11 Woodland With Non-Native Species	LE 2.8 Scrub / Scattered Scrub
LE 1.3 Species Rich Chalk Grassland	LE 2.14 Wet / Carr Woodland	<b>Hedges (LE 4)</b>
LE 1.31 Species Rich Chalk Grassland	LE 2.2 Woodland Edge	LE 4.3 Native Species Hedge (untrimmed)
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.22 Scrub Woodland	LE 4.4 Native Hedgerow With Trees
LE 1.4 Rock and Scree	LE 2.4 Linear Belt of Shrubs and Trees	

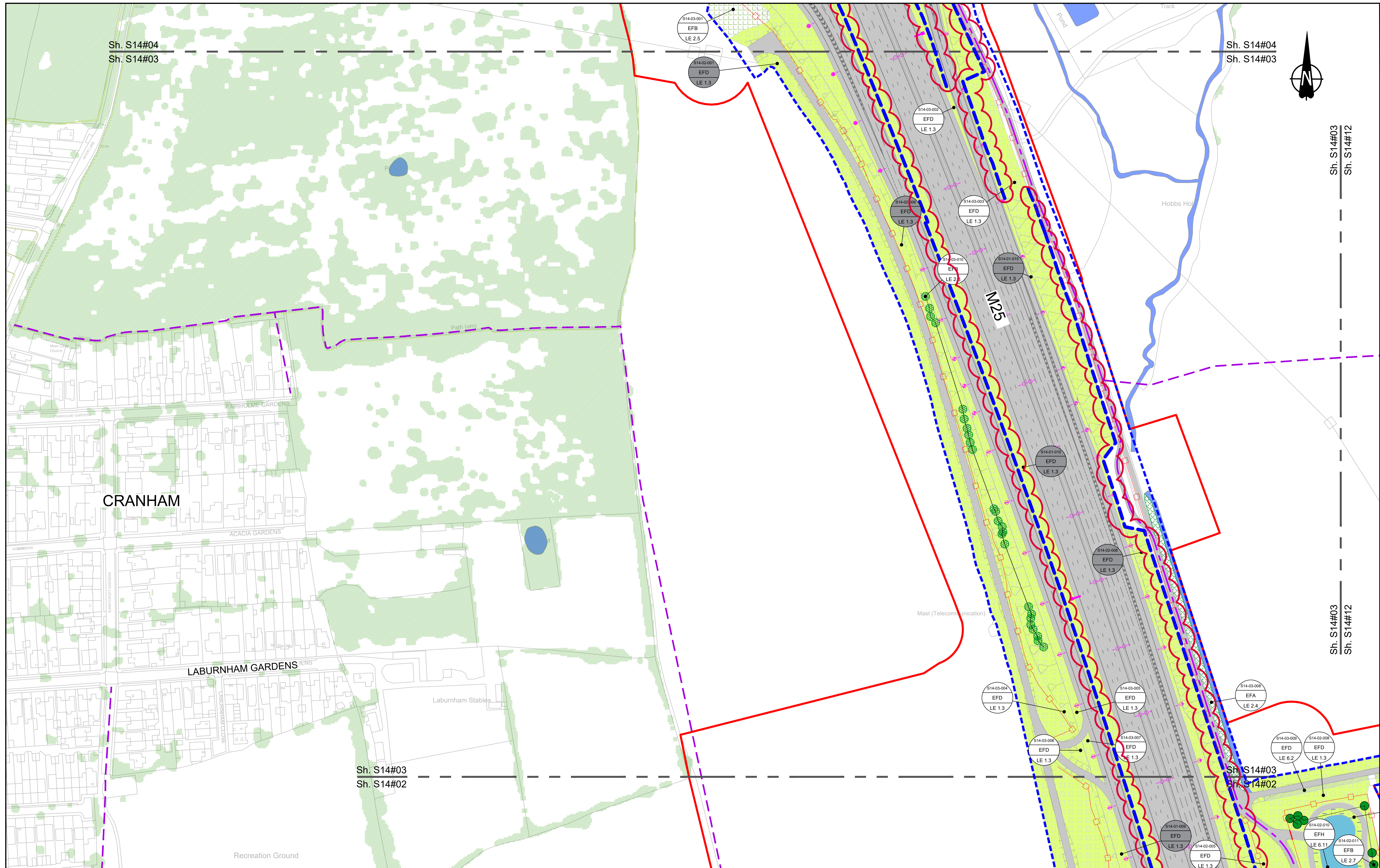
<b>Individual Trees (LE 5)</b>	LE 6.4 Wet Grassland
LE 5.1 Individual Trees	LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh
<b>Wetland Habitats (LE 6)</b>	<b>Hard Landscape Features (LE 7)</b>
LE 6.11 Water Bodies - Standing Water	LE 7.4 Reinforced Earth Bund
LE 6.12 Water Bodies and Associated Plants - Shallow Scrape	<b>Earthworks</b>
LE 6.2 Banks and Ditches	Proposed Contours
LE 6.21 Banks and Ditches - High Tide Roost Features	

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

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 14 SHEET 2		
Drawing Number: HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00003		



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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	Check'd	Apprv'd

**Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZ2\_EN000000\_Z-DR-ZZ-00001).**

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

Project: **LOWER THAMES CROSSING**

Status: PINS Submission

Application Document Number: TR010032/APP/6.2

Original Size: A1

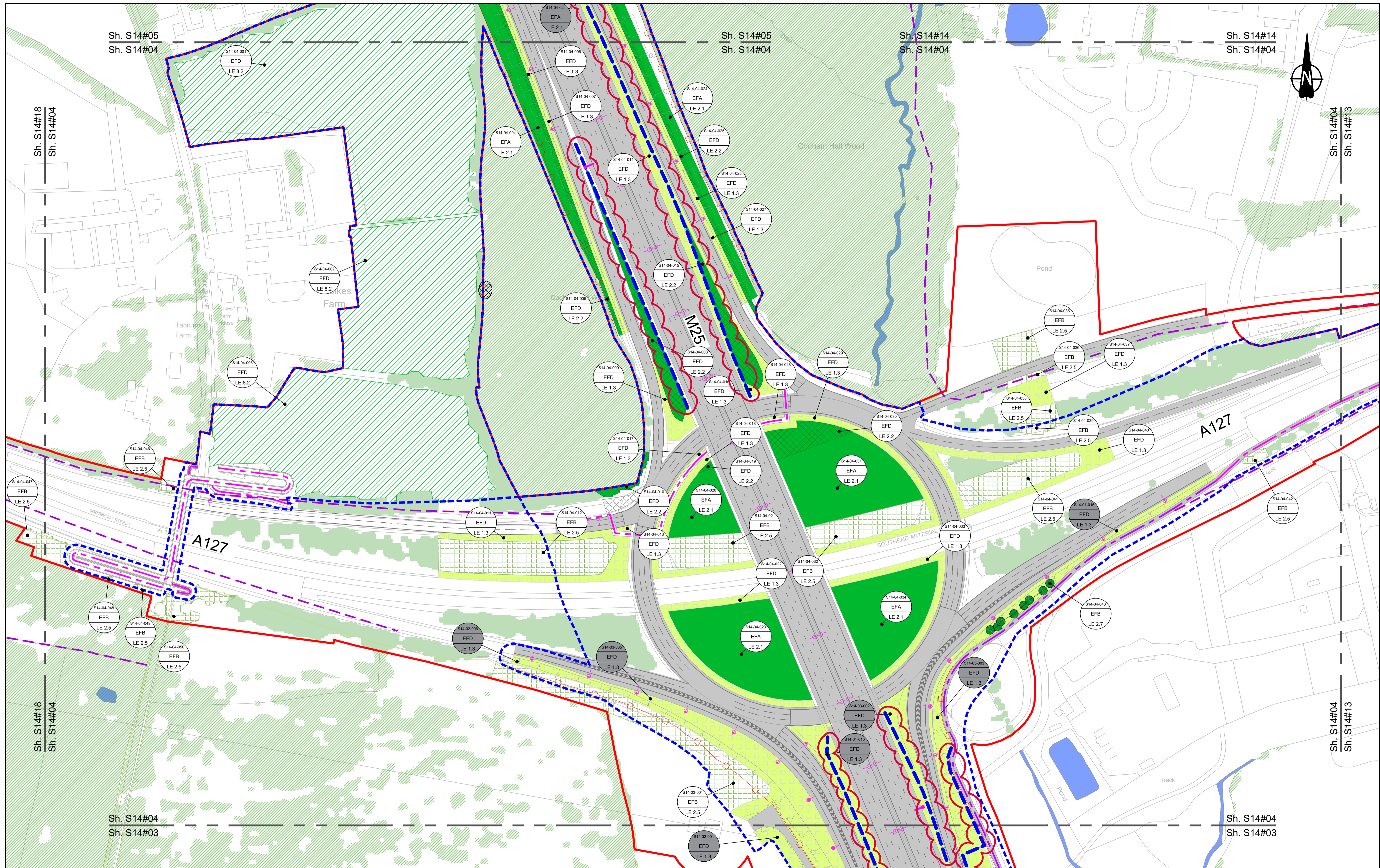
Revision: P02

Scale: 1:1250

Drawing Title: **ENVIRONMENTAL MASTERPLAN SECTION 14 SHEET 3**

Drawing Number: HE540039-CJV-EGN-S14\_EN000000\_Z-DR-ZZ-00004

HE540039-CJV-EGN-S14\_EN000000\_Z-DR-ZZ-00004.dwg



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

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

P01	S2	25/10/2022	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-SZ2\_EN000000\_Z-DR-ZZ-00001).

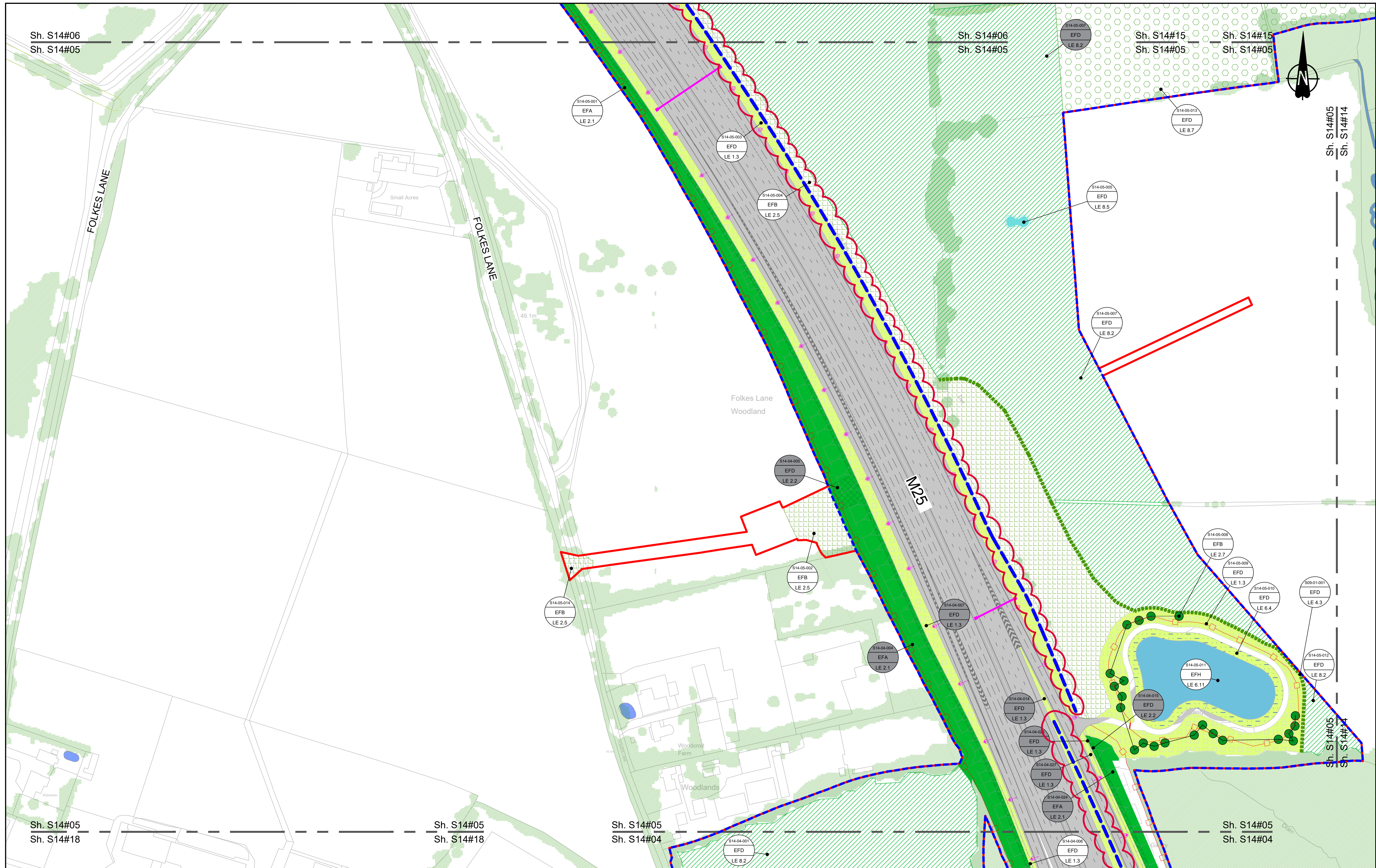
<p><b>Order Limits</b></p> <ul style="list-style-type: none"> <li>Order Limits</li> <li>Permanent Acquisition of Land</li> </ul> <p><b>Grassland (LE 1)</b></p> <ul style="list-style-type: none"> <li>LE 1.3 Species Rich Chalk Grassland</li> <li>LE 1.31 Species Rich Chalk Grassland</li> <li>LE 1.32 Species Rich Annual Wildflower Grassland</li> <li>LE 1.4 Rock and Scree</li> </ul>	<p><b>Planting (LE 2)</b></p> <ul style="list-style-type: none"> <li>LE 2.1 Woodland</li> <li>LE 2.11 Woodland With Non-Native Species</li> <li>LE 2.14 Wet / Carr Woodland</li> <li>LE 2.2 Woodland Edge</li> <li>LE 2.22 Scrub Woodland</li> <li>LE 2.4 Linear Belt of Shrubs and Trees</li> </ul> <p><b>Hedges (LE 4)</b></p> <ul style="list-style-type: none"> <li>LE 4.3 Native Species Hedge (untimmed)</li> <li>LE 4.4 Native Hedgerow With Trees</li> </ul>	<p><b>Individual Trees (LE 5)</b></p> <ul style="list-style-type: none"> <li>LE 5.1 Individual Trees</li> </ul> <p><b>Wetland Habitats (LE 6)</b></p> <ul style="list-style-type: none"> <li>LE 6.11 Water Bodies - Standing Water</li> <li>LE 6.12 Water Bodies and Associated Plants - Shallow Scrape</li> <li>LE 6.2 Banks and Ditches</li> <li>LE 6.21 Banks and Ditches - High Tide Roost Features</li> </ul> <p><b>Hard Landscape Features (LE 7)</b></p> <ul style="list-style-type: none"> <li>LE 7.4 Reinforced Earth Band</li> </ul> <p><b>Earthworks</b></p> <ul style="list-style-type: none"> <li>Proposed Contours</li> </ul>	<p><b>Ecological Habitats (LE 8)</b></p> <ul style="list-style-type: none"> <li>LE 8.1 Open Mosaic Habitat</li> <li>LE 8.2 Ancient Woodland Compensation Planting</li> <li>LE 8.3 Woodland Mitigation Planting</li> <li>LE 8.4 Wet Grassland</li> <li>LE 8.41 Marsh and Wet Grassland - Coastal Grazing Marsh</li> <li>LE 8.42 Wet Grassland</li> <li>LE 8.43 Wet Grassland</li> <li>LE 8.44 Wet Grassland</li> <li>LE 8.45 Wet Grassland</li> <li>LE 8.46 Wet Grassland</li> <li>LE 8.47 Wet Grassland</li> <li>LE 8.48 Wet Grassland</li> <li>LE 8.49 Wet Grassland</li> <li>LE 8.50 Wet Grassland</li> <li>LE 8.51 Wet Grassland</li> <li>LE 8.52 Wet Grassland</li> <li>LE 8.53 Wet Grassland</li> <li>LE 8.54 Wet Grassland</li> <li>LE 8.55 Wet Grassland</li> <li>LE 8.56 Wet Grassland</li> <li>LE 8.57 Wet Grassland</li> <li>LE 8.58 Wet Grassland</li> <li>LE 8.59 Wet Grassland</li> <li>LE 8.60 Wet Grassland</li> <li>LE 8.61 Wet Grassland</li> <li>LE 8.62 Wet Grassland</li> <li>LE 8.63 Wet Grassland</li> <li>LE 8.64 Wet Grassland</li> <li>LE 8.65 Wet Grassland</li> <li>LE 8.66 Wet Grassland</li> <li>LE 8.67 Wet Grassland</li> <li>LE 8.68 Wet Grassland</li> <li>LE 8.69 Wet Grassland</li> <li>LE 8.70 Wet Grassland</li> </ul>	<p><b>Noise (E 1)</b></p> <ul style="list-style-type: none"> <li>LE 8.7 Nitrogen Deposition (NDEP) Compensation Area</li> <li>E 1.2 Acoustic Barrier-Built Elements (Typically inc. highway boundary fence)</li> </ul> <p><b>Water (E 2)</b></p> <ul style="list-style-type: none"> <li>Flood Compensation Areas (E 2-FCA)</li> <li>Flood Defence (E 2-FD)</li> </ul> <p><b>Ecological (E 3)</b></p> <ul style="list-style-type: none"> <li>E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species</li> <li>E 3.2 Dormouse Boxes</li> <li>E 3.2 Bat Boxes</li> <li>E 3.2 Ecological Culvert</li> <li>E 3.2 Bat Barn Block</li> <li>E 3.2 Ecological Fencing (inc. highway boundary fence)</li> <li>E 3.2 Barn Owl Box</li> </ul>
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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 14 SHEET 4				
Drawing Number	HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00005				

HE540039-CJV-EGN-S14\_EN000000\_Z-DR-ZZ-00005.dwg



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

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

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

P01	S2	25/10/2022	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).**

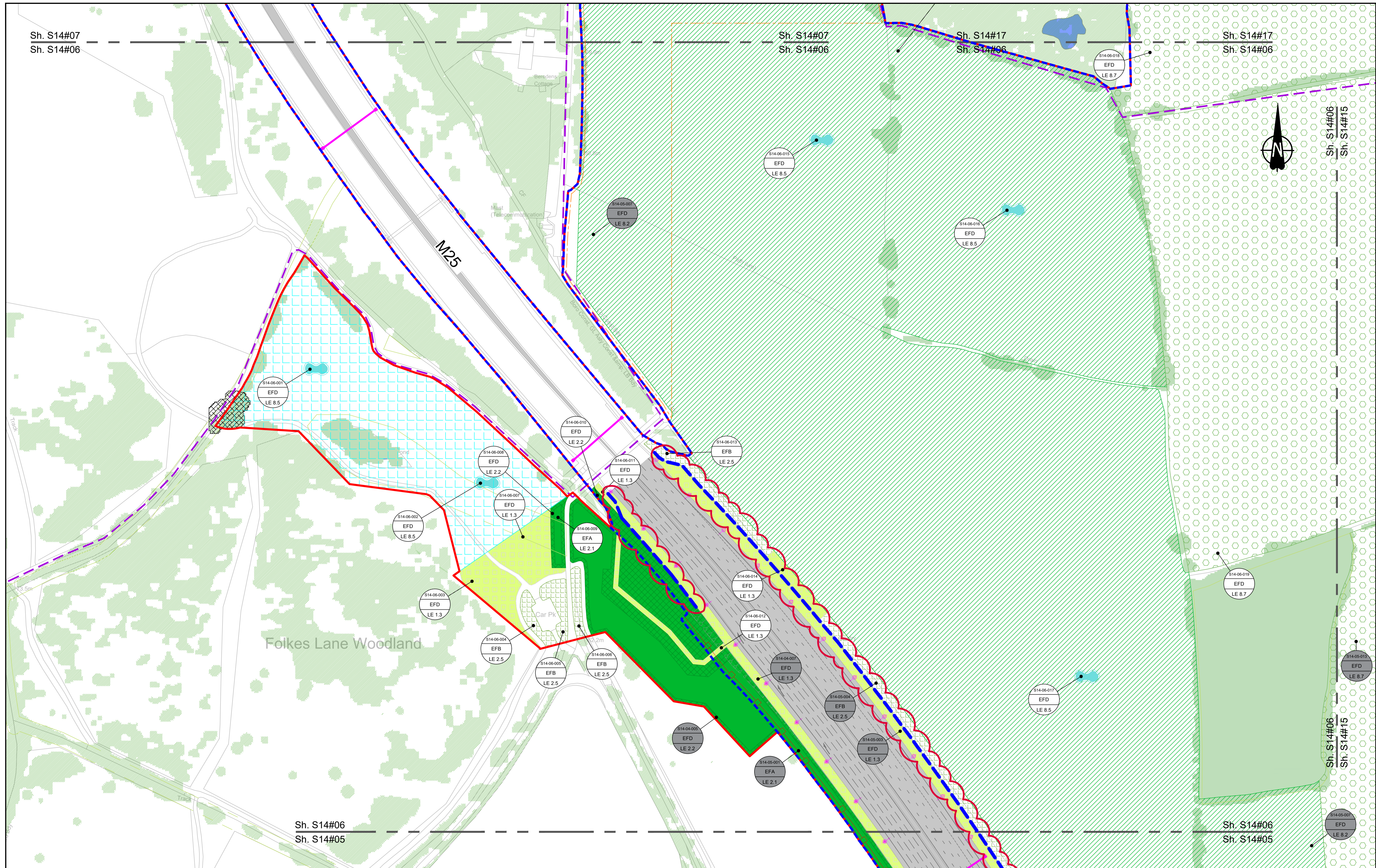
<b>Order Limits</b> Permanent Acquisition of Land	<b>Grassland (LE 1)</b> LE 1.3 Species Rich Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual Wildflower Grassland LE 1.4 Rock and Scree	<b>Planting (LE 2)</b> LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species LE 2.14 Wet / 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 <b>Hedges (LE 4)</b> LE 4.3 Native Species Hedge (untrimmied) LE 4.4 Native Hedgerow With Trees	<b>Individual Trees (LE 5)</b> LE 5.1 Individual Trees	<b>Wetland Habitats (LE 6)</b> 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 <b>Hard Landscape Features (LE 7)</b> LE 7.4 Reinforced Earth Bund <b>Earthworks</b> Proposed Contours	<b>Ecological Habitats (LE 8)</b> 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	<b>Noise (E 1)</b> E 1.2 Acoustic Barrier-Built Elements (typically inc. Highway boundary fence) <b>Water (E 2)</b> LE 8.7 Nitrogen Deposition (NDEP) Compensation Area Flood Compensation Areas (E 2-FCA) Flood Defence (E 2-FD)	<b>Ecological (E 3)</b> 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 Ecology Pond (indicative symbol only) E 3.2 Bat Barn Block E 3.2 Ecological Fencing (inc. highway boundary fence)	<b>E 3.2 Ecological Fencing (inc. highway boundary fence)</b>
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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: <b>ENVIRONMENTAL MASTERPLAN SECTION 14 SHEET 5</b>			
Drawing Number: HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00006			
HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00006.dwg			





Sh. S14#07  
Sh. S14#06

Sh. S14#07  
Sh. S14#06

Sh. S14#17  
Sh. S14#06

Sh. S14#17  
Sh. S14#06

Sh. S14#06  
Sh. S14#05

Sh. S14#06  
Sh. S14#05

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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

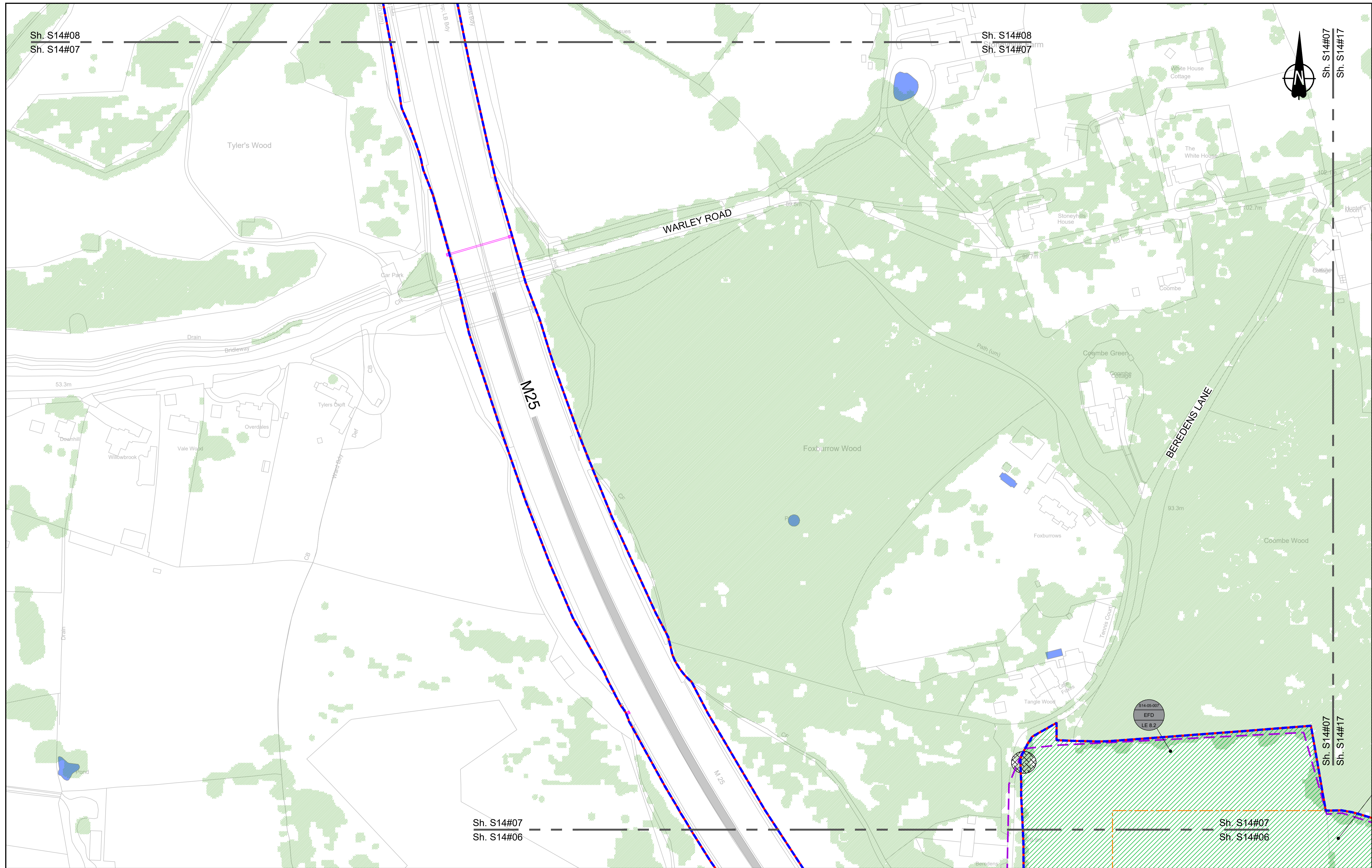
**Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ\_EN000000\_Z-DR-ZZ-00001).**

<p><b>Order Limits</b></p> <ul style="list-style-type: none"> <li>Order Limits</li> <li>Permanent Acquisition of Land</li> </ul> <p><b>Grassland (LE 1)</b></p> <ul style="list-style-type: none"> <li>LE 1.3 Species Rich Grassland</li> <li>LE 1.31 Species Rich Chalk Grassland</li> <li>LE 1.32 Species Rich Annual Wildflower Grassland</li> <li>LE 1.4 Rock and Scree</li> </ul>	<p><b>Planting (LE 2)</b></p> <ul style="list-style-type: none"> <li>LE 2.1 Woodland</li> <li>LE 2.11 Woodland With Non-Native Species</li> <li>LE 2.14 Wet / Carr Woodland</li> <li>LE 2.2 Woodland Edge</li> <li>LE 2.22 Scrub Woodland</li> <li>LE 2.4 Linear Belt of Shrubs and Trees</li> </ul> <p><b>Individual Trees (LE 5)</b></p> <ul style="list-style-type: none"> <li>LE 5.1 Individual Trees</li> </ul> <p><b>Wetland Habitats (LE 6)</b></p> <ul style="list-style-type: none"> <li>LE 6.11 Water Bodies - Standing Water</li> <li>LE 6.12 Water Bodies and Associated Plants - Shallow Scrape</li> <li>LE 6.2 Banks and Ditches</li> <li>LE 6.21 Banks and Ditches - High Tide Roost Features</li> </ul> <p><b>Hedges (LE 4)</b></p> <ul style="list-style-type: none"> <li>LE 4.3 Native Species Hedge (untrimmed)</li> <li>LE 4.4 Native Hedgerow With Trees</li> </ul> <p><b>Hard Landscape Features (LE 7)</b></p> <ul style="list-style-type: none"> <li>LE 7.4 Reinforced Earth Band</li> </ul> <p><b>Earthworks</b></p> <ul style="list-style-type: none"> <li>Proposed Contours</li> </ul>	<p><b>Ecological Habitats (LE 8)</b></p> <ul style="list-style-type: none"> <li>LE 8.1 Open Mosaic Habitat</li> <li>LE 8.2 Ancient Woodland Compensation Planting</li> <li>LE 8.3 Woodland Mitigation Planting</li> <li>LE 8.4 Wetland / Fenland Creation</li> <li>LE 8.5 Ecology Pond (indicative symbol only)</li> <li>LE 8.6 Acid Grassland Soil Salvage</li> </ul> <p><b>Ecological (E 3)</b></p> <ul style="list-style-type: none"> <li>E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species</li> <li>E 3.2 Dormouse Boxes</li> <li>E 3.2 Bat Boxes</li> <li>E 3.2 Ecological Culvert</li> <li>E 3.2 Bat Barn Block</li> </ul>	<p><b>Noise (E 1)</b></p> <ul style="list-style-type: none"> <li>LE 8.7 Nitrogen Deposition (NDEP) Compensation Area</li> <li>E 1.2 Acoustic Barrier-Built Elements (Typically inc. Highway boundary fence)</li> </ul> <p><b>Water (E 2)</b></p> <ul style="list-style-type: none"> <li>Flood Compensation Areas (E 2-FCA)</li> <li>LE 8.5 Ecology Pond (indicative symbol only)</li> <li>Flood Defence (E 2-FD)</li> </ul>	<p><b>Ecological (E 3)</b></p> <ul style="list-style-type: none"> <li>E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species</li> <li>E 3.2 Dormouse Boxes</li> <li>E 3.2 Bat Boxes</li> <li>E 3.2 Ecological Culvert</li> <li>E 3.2 Bat Barn Block</li> </ul>
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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	<b>ENVIRONMENTAL MASTERPLAN SECTION 14 SHEET 6</b>				
Drawing Number	HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00007				



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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	Check'd	Apprv'd
P01.5	SD	08/08/2022				LD

**Environmental Mitigation Legend:** Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZ2\_EN000000\_Z-DR-ZZ-00001).

<b>Order Limits</b> Permanent Acquisition of Land <b>Grassland (LE 1)</b> 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	<b>Planting (LE 2)</b> 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 <b>Hedges (LE 4)</b> LE 4.3 Native Species Hedge (untrimsed) LE 4.4 Native Hedgerow With Trees	<b>Individual Trees (LE 5)</b> LE 5.1 Individual Trees <b>Wetland Habitats (LE 6)</b> 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	LE 6.4 Wet Grassland LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh <b>Hard Landscape Features (LE 7)</b> LE 7.4 Reinforced Earth Bund <b>Earthworks</b> Proposed Contours	<b>Ecological Habitats (LE 8)</b> 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 <b>Noise (E 1)</b> E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence) <b>Water (E 2)</b> Flood Compensation Areas (E 2-FCA) LE 8.5 Ecology Pond (indicative symbol only) Flood Defence (E 2-FD)	<b>Ecological (E 3)</b> E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species E 3.2 Dormouse Boxes E 3.2 Bat Boxes E 3.2 Ecological Culvert E 3.2 Bat Barn Block E 3.2 Barn Owl Box E 3.2 Ecological Fencing (inc. highway boundary fence)
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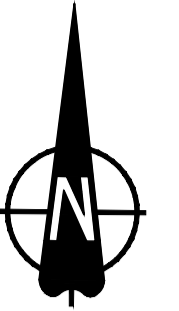
Client: **national highways**

Project: **LOWER THAMES CROSSING**

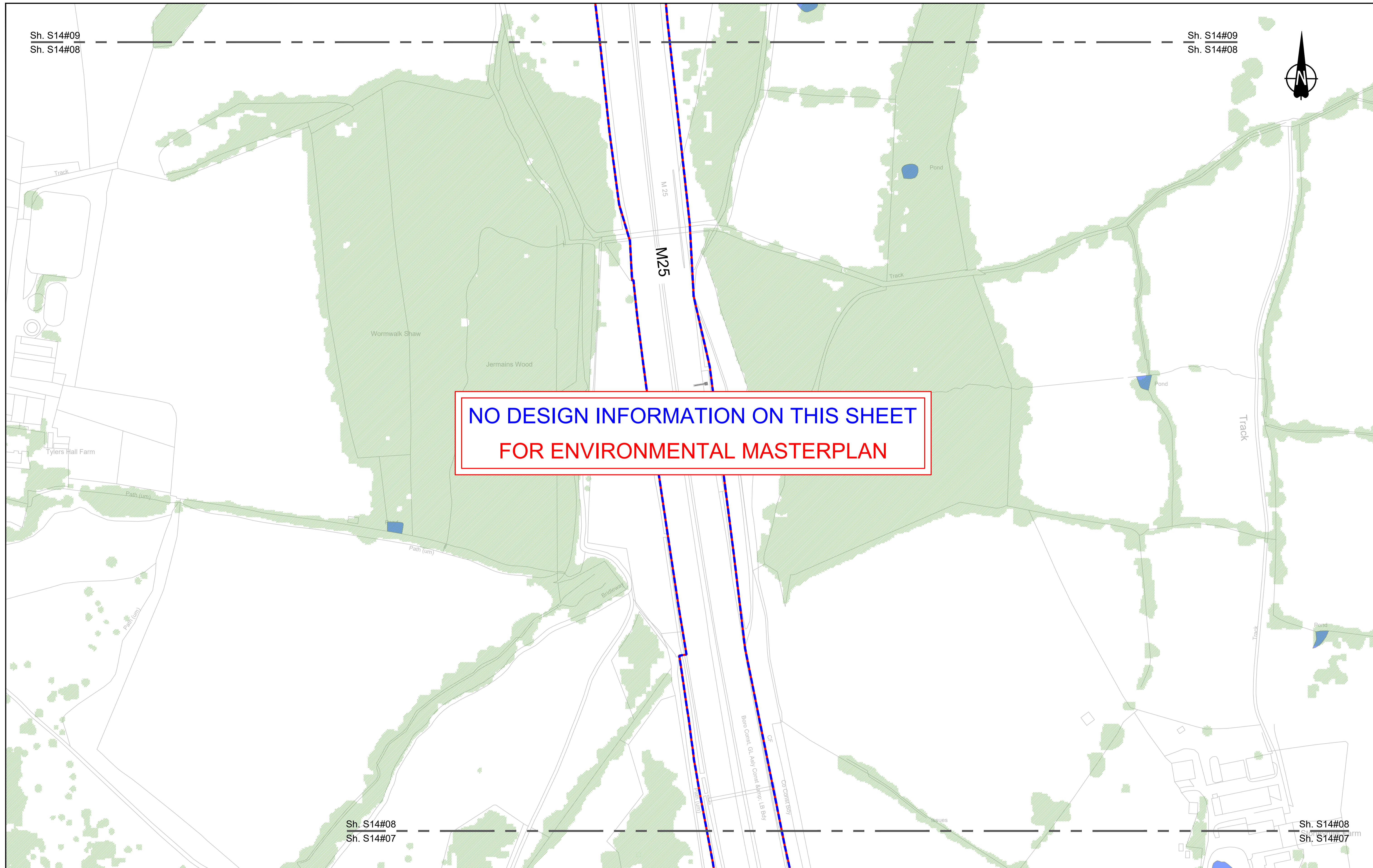
Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.5
Scale	1:1250		
Drawing title	<b>ENVIRONMENTAL MASTERPLAN SECTION 14 SHEET 7</b>		
Drawing Number	HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00008		

Sh. S14#09  
Sh. S14#08

Sh. S14#09  
Sh. S14#08



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FOR ENVIRONMENTAL MASTERPLAN**



Sh. S14#08  
Sh. S14#07

Sh. S14#08  
Sh. S14#07

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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	Chck'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).

**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

**Shrubs With Intermittent Trees**  
 LE 2.5

**Scattered Trees**  
 LE 2.7

**Scrub / Scattered Scrub**  
 LE 2.8

**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 Banks and Ditches  
 LE 6.21 Banks and Ditches - High Tide Roost Features

**Wet Grassland**  
 LE 6.4

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

**Reinforced Earth Bund**  
 LE 7.4

**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)**  
 E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)

**Water (E 2)**  
 LE 8.7 Nitrogen Deposition (NDEP) Compensation Area  
 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 Barn Owl Box**  
 E 3.2 Ecological Fencing (inc. highway boundary fence)

Client:

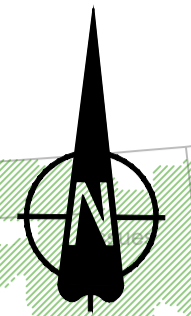
Project: LOWER THAMES CROSSING

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 14 SHEET 8		
Drawing Number	HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00009		

HE540039-CJV-EGN-S14\_EN000000\_Z-DR-ZZ-00009.dwg

Sh. S14#10  
Sh. S14#09

Sh. S14#10  
Sh. S14#09



NAG'S HEAD LANE

M25

**NO DESIGN INFORMATION ON THIS SHEET  
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Sh. S14#09  
Sh. S14#08

Sh. S14#09  
Sh. S14#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	Chck'd	Apprv'd
P01.6	SD	08/08/2022				LD

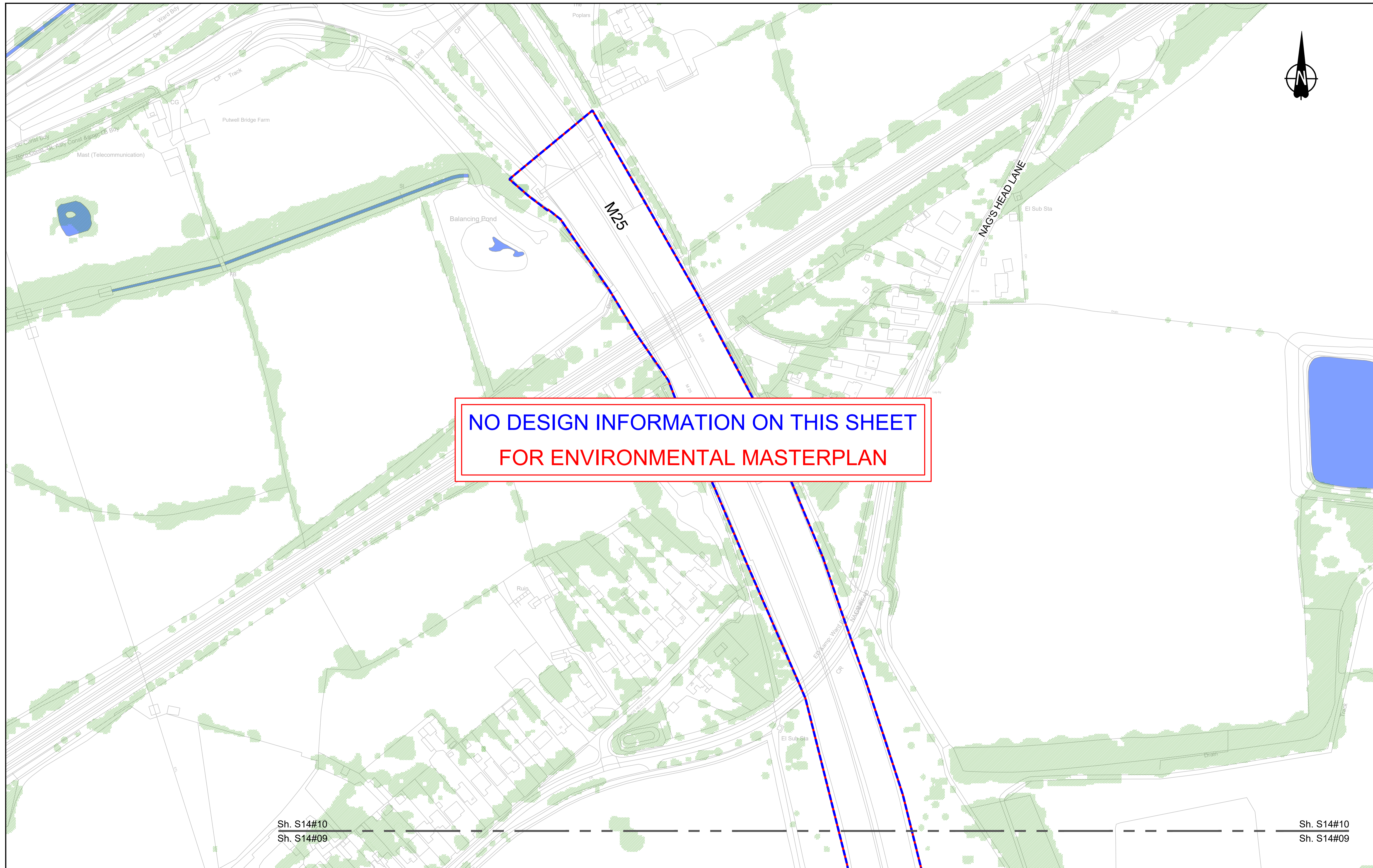
**Environmental Mitigation Legend:** Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ\_EN000000\_Z-DR-ZZ-00001).

<p><b>Order Limits</b></p> <ul style="list-style-type: none"> <li>Permanent Acquisition of Land</li> </ul> <p><b>Grassland (LE 1)</b></p> <ul style="list-style-type: none"> <li>LE 1.3 Species Rich Grassland</li> <li>LE 1.31 Species Rich Chalk Grassland</li> <li>LE 1.32 Species Rich Annual Wildflower Grassland</li> <li>LE 1.4 Rock and Scree</li> </ul>	<p><b>Planting (LE 2)</b></p> <ul style="list-style-type: none"> <li>LE 2.1 Woodland</li> <li>LE 2.11 Woodland With Non-Native Species</li> <li>LE 2.14 Wet / Carr Woodland</li> <li>LE 2.2 Woodland Edge</li> <li>LE 2.22 Scrub Woodland</li> <li>LE 2.4 Linear Belt of Shrubs and Trees</li> </ul> <p><b>Hedges (LE 4)</b></p> <ul style="list-style-type: none"> <li>LE 4.3 Native Species Hedge (untrimsed)</li> <li>LE 4.4 Native Hedgerow With Trees</li> </ul>	<p><b>Individual Trees (LE 5)</b></p> <ul style="list-style-type: none"> <li>LE 5.1 Individual Trees</li> </ul> <p><b>Wetland Habitats (LE 6)</b></p> <ul style="list-style-type: none"> <li>LE 6.11 Water Bodies - Standing Water</li> <li>LE 6.12 Water Bodies and Associated Plants - Shallow Scrape</li> <li>LE 6.2 Banks and Ditches</li> <li>LE 6.21 Banks and Ditches - High Tide Roost Features</li> </ul>	<p><b>Wetland Habitats (LE 6)</b></p> <ul style="list-style-type: none"> <li>LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh</li> </ul> <p><b>Hard Landscape Features (LE 7)</b></p> <ul style="list-style-type: none"> <li>LE 7.4 Reinforced Earth Bund</li> </ul> <p><b>Earthworks</b></p> <ul style="list-style-type: none"> <li>Proposed Contours</li> </ul>	<p><b>Ecological Habitats (LE 8)</b></p> <ul style="list-style-type: none"> <li>LE 8.1 Open Mosaic Habitat</li> <li>LE 8.2 Ancient Woodland Compensation Planting</li> <li>LE 8.3 Woodland Mitigation Planting</li> <li>LE 8.4 Wetland / Fenland Creation</li> <li>LE 8.5 Ecology Pond (indicative symbol only)</li> <li>LE 8.6 Acid Grassland Soil Salvage</li> </ul>	<p><b>Noise (E 1)</b></p> <ul style="list-style-type: none"> <li>E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)</li> </ul> <p><b>Water (E 2)</b></p> <ul style="list-style-type: none"> <li>Flood Compensation Areas (E 2-FCA)</li> <li>Flood Defence (E 2-FD)</li> </ul>	<p><b>Ecological (E 3)</b></p> <ul style="list-style-type: none"> <li>E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species</li> <li>E 3.2 Dormouse Boxes</li> <li>E 3.2 Bat Boxes</li> <li>E 3.2 Ecological Culvert</li> <li>E 3.2 Bat Barn Block</li> </ul>	<ul style="list-style-type: none"> <li>E 3.2 Barn Owl Box</li> <li>E 3.2 Ecological Fencing (inc. highway boundary fence)</li> </ul>
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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 14 SHEET 9		
Drawing Number	HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00010		



NO DESIGN INFORMATION ON THIS SHEET  
FOR ENVIRONMENTAL MASTERPLAN

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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	SD	08/08/2022				LD

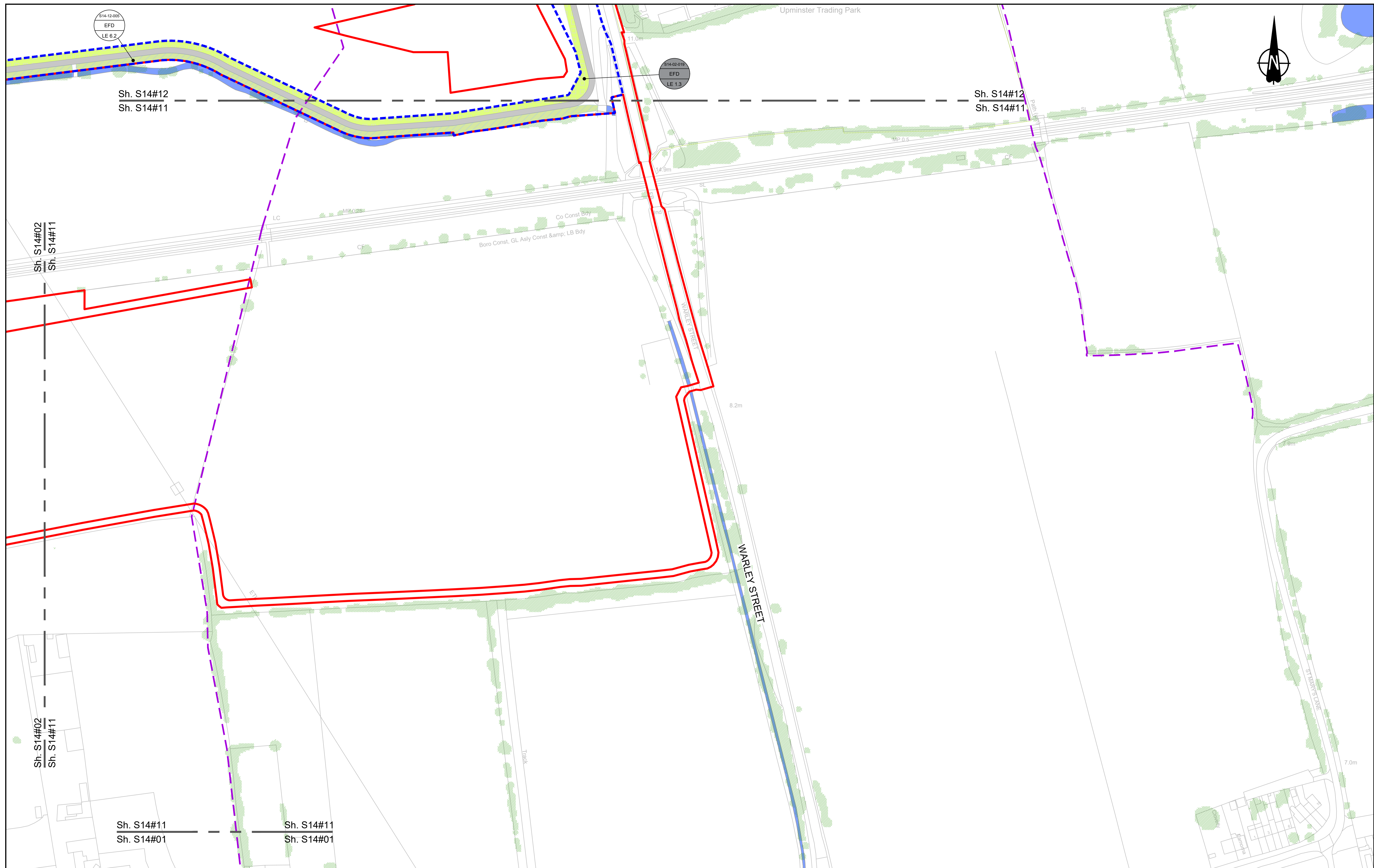
**Environmental Mitigation Legend:** Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZ-EN000000\_Z-DR-ZZ-00001).

<p><b>Order Limits</b></p> <ul style="list-style-type: none"> <li>Permanent Acquisition of Land</li> </ul> <p><b>Grassland (LE 1)</b></p> <ul style="list-style-type: none"> <li>LE 1.3 Species Rich Grassland</li> <li>LE 1.31 Species Rich Chalk Grassland</li> <li>LE 1.32 Species Rich Annual Wildflower Grassland</li> <li>LE 1.4 Rock and Scree</li> </ul>	<p><b>Planting (LE 2)</b></p> <ul style="list-style-type: none"> <li>LE 2.1 Woodland</li> <li>LE 2.11 Woodland With Non-Native Species</li> <li>LE 2.14 Wet / Carr Woodland</li> <li>LE 2.2 Woodland Edge</li> <li>LE 2.22 Scrub Woodland</li> <li>LE 2.4 Linear Belt of Shrubs and Trees</li> </ul> <p><b>Shrubs With Intermittent Trees</b></p> <ul style="list-style-type: none"> <li>LE 2.5</li> </ul> <p><b>Scattered Trees</b></p> <ul style="list-style-type: none"> <li>LE 2.7</li> </ul> <p><b>Scrub / Scattered Scrub</b></p> <ul style="list-style-type: none"> <li>LE 2.8</li> </ul> <p><b>Hedges (LE 4)</b></p> <ul style="list-style-type: none"> <li>LE 4.3 Native Species Hedge (untrimmed)</li> <li>LE 4.4 Native Hedgerow With Trees</li> </ul>	<p><b>Individual Trees (LE 5)</b></p> <ul style="list-style-type: none"> <li>LE 5.1 Individual Trees</li> </ul> <p><b>Wetland Habitats (LE 6)</b></p> <ul style="list-style-type: none"> <li>LE 6.11 Water Bodies - Standing Water</li> <li>LE 6.12 Water Bodies and Associated Plants - Shallow Scrape</li> <li>LE 6.2 Banks and Ditches</li> <li>LE 6.21 Banks and Ditches - High Tide Roost Features</li> </ul> <p><b>Wet Grassland</b></p> <ul style="list-style-type: none"> <li>LE 6.4 Wet Grassland</li> </ul> <p><b>Marsh and Wet Grassland - Coastal Grazing Marsh</b></p> <ul style="list-style-type: none"> <li>LE 6.41</li> </ul> <p><b>Hard Landscape Features (LE 7)</b></p> <ul style="list-style-type: none"> <li>LE 7.4 Reinforced Earth Band</li> </ul> <p><b>Earthworks</b></p> <ul style="list-style-type: none"> <li>Proposed Contours</li> </ul>	<p><b>Ecological Habitats (LE 8)</b></p> <ul style="list-style-type: none"> <li>LE 8.1 Open Mosaic Habitat</li> <li>LE 8.2 Ancient Woodland Compensation Planting</li> <li>LE 8.3 Woodland Mitigation Planting</li> <li>LE 8.4 Wetland / Fenland Creation</li> <li>LE 8.5 Ecology Pond (indicative symbol only)</li> <li>LE 8.6 Acid Grassland Soil Salvage</li> </ul> <p><b>LE 8.7 Nitrogen Deposition (NDEP) Compensation Area</b></p>	<p><b>Noise (E 1)</b></p> <ul style="list-style-type: none"> <li>E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)</li> </ul> <p><b>Water (E 2)</b></p> <ul style="list-style-type: none"> <li>Flood Compensation Areas (E 2-FCA)</li> <li>Flood Defence (E 2-FD)</li> </ul>	<p><b>Ecological (E 3)</b></p> <ul style="list-style-type: none"> <li>E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species</li> <li>E 3.2 Dormouse Boxes</li> <li>E 3.2 Bat Boxes</li> <li>E 3.2 Ecological Culvert</li> <li>E 3.2 Ecology Pond (indicative symbol only)</li> <li>E 3.2 Bat Barn Block</li> <li>E 3.2 Ecological Fencing (inc. highway boundary fence)</li> <li>E 3.2 Barn Owl Box</li> </ul>
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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
Drawing Title	ENVIRONMENTAL MASTERPLAN SECTION 14 SHEET 10		
Drawing Number	HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00011		
Scale 1:1250			



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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.

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-SZ, EN000000\_Z-DR-ZZ-00001).

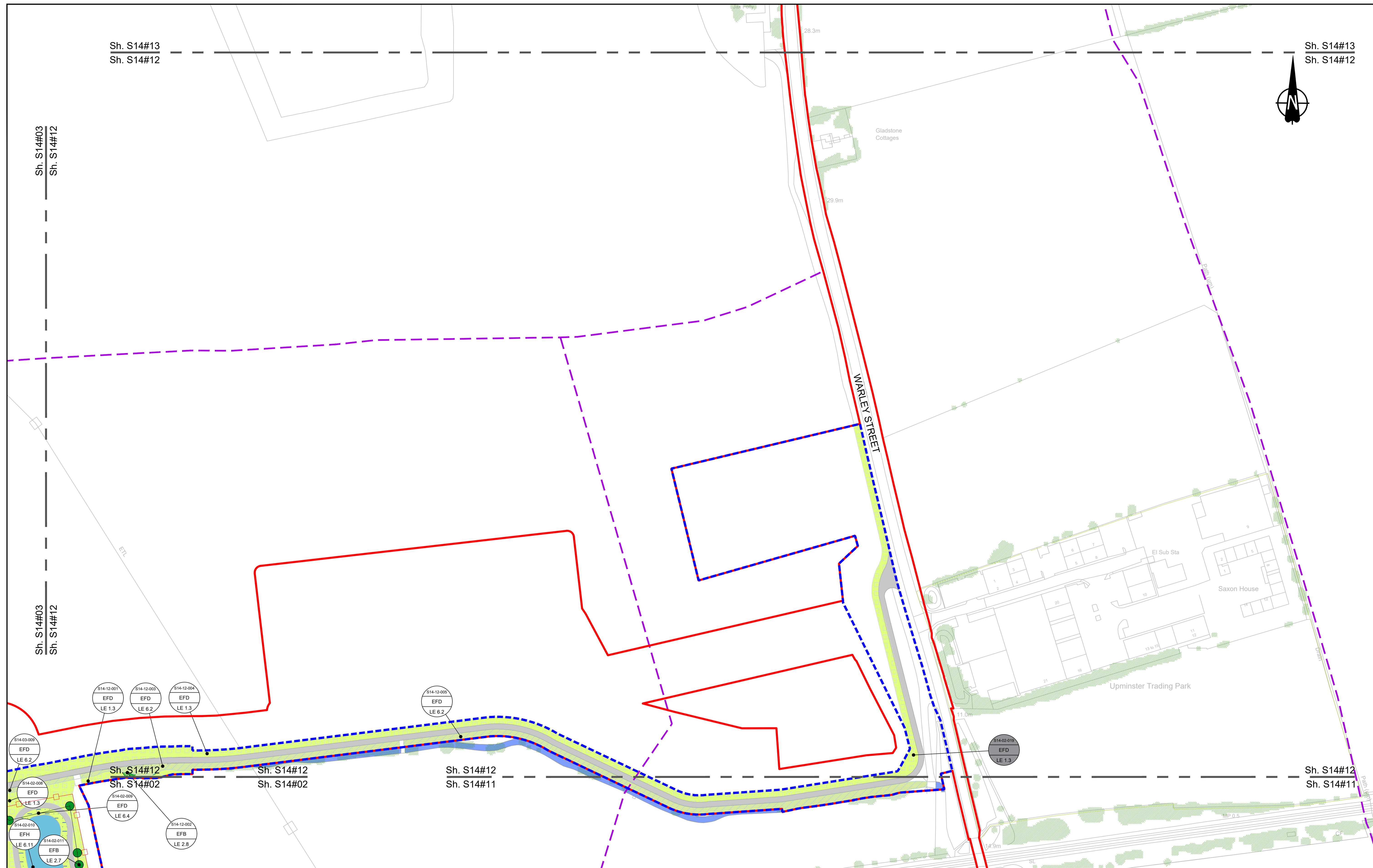
<b>Order Limits</b> Permanent Acquisition of Land	<b>Planting (LE 2)</b> LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species LE 2.14 Wet / Carr Woodland LE 2.2 Woodland Edge LE 2.22 Scrub Woodland LE 2.4 Linear Belt of Shrubs and Trees	LE 2.5 Shrubs With Intermittent Trees LE 2.7 Scattered Trees LE 2.8 Scrub / Scattered Scrub	<b>Individual Trees (LE 5)</b> LE 5.1 Individual Trees	LE 6.4 Wet Grassland LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.42 Reinforced Earth Bund	<b>Ecological Habitats (LE 8)</b> 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	<b>Noise (E 1)</b> E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	<b>Water (E 2)</b> Flood Compensation Areas (E 2-FCA) Flood Defence (E 2-FD)	<b>Ecological (E 3)</b> 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)
<b>Grassland (LE 1)</b> 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	<b>Hedges (LE 4)</b> LE 4.3 Native Species Hedge (untrimsed) LE 4.4 Native Hedgerow With Trees	<b>Wetland Habitats (LE 6)</b> 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	<b>Hard Landscape Features (LE 7)</b> LE 7.4 Reinforced Earth Bund	<b>Earthworks</b> Proposed Contours	<b>LE 8.7 Nitrogen Deposition (NDEP) Compensation Area</b>	<b>Ecological (E 3)</b> 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
Drawing Title	ENVIRONMENTAL MASTERPLAN SECTION 14 SHEET 11		
Drawing Number	HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00012		

Scale: 1:1250



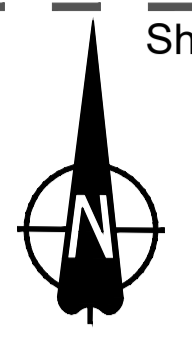
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Sh. S14#12

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Sh. S14#12

Sh. S14#03  
Sh. S14#12

Sh. S14#03  
Sh. S14#12

Sh. S14#12  
Sh. S14#11



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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
P01.5	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-000011).

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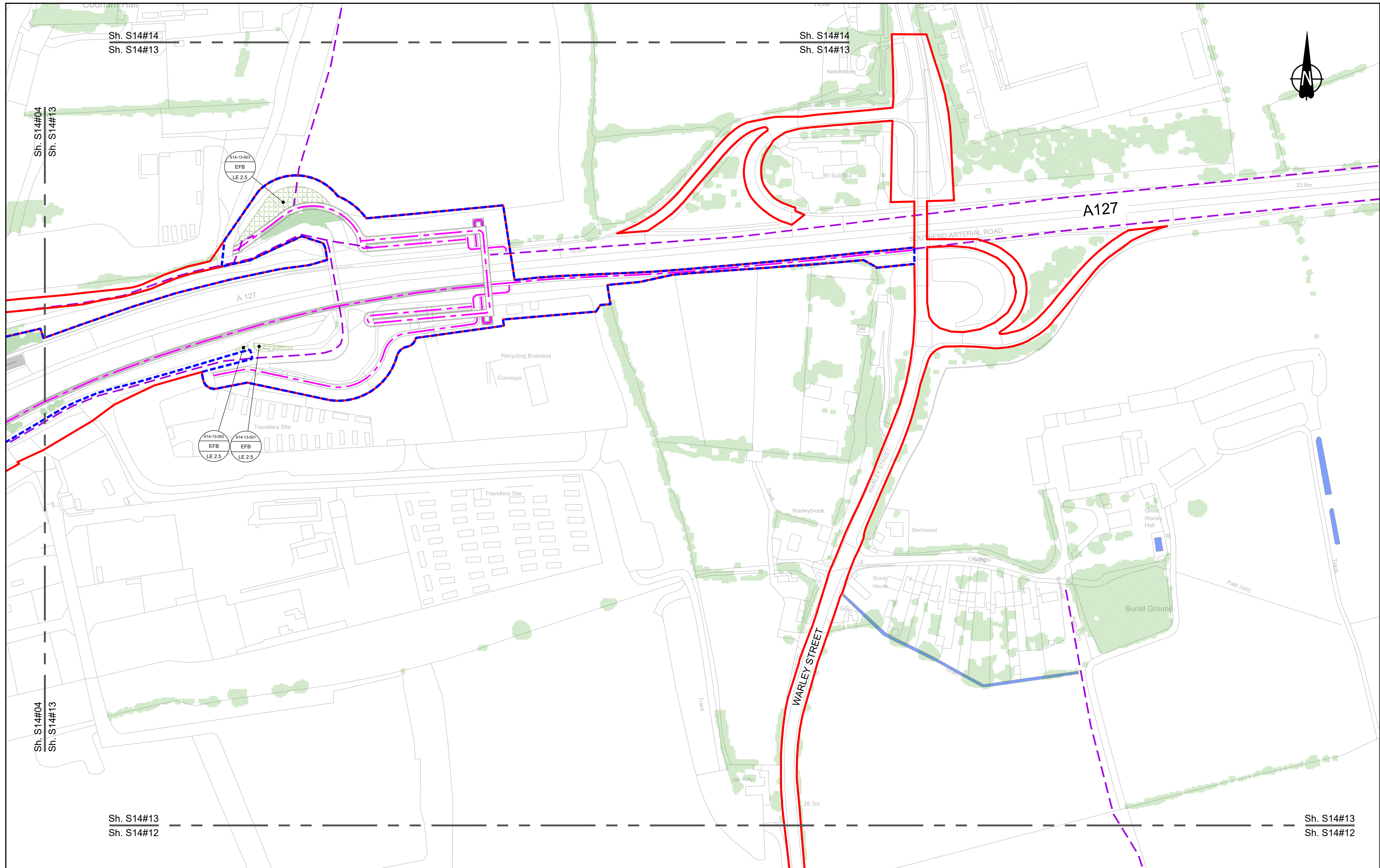
Client

Project

**LOWER THAMES CROSSING**

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.5
Scale	1:1250		
Drawing title	<b>ENVIRONMENTAL MASTERPLAN SECTION 14 SHEET 12</b>		
Drawing Number	HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00013		

HE540039-CJV-EGN-S14\_EN000000\_Z-DR-ZZ-00013.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	Check'd	Apprv'd
P01.5	SD	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).

<b>Order Limits</b> Permanent Acquisition of Land <b>Grassland (LE 1)</b> 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	<b>Planting (LE 2)</b> 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 <b>Hedges (LE 4)</b> LE 4.3 Native Species Hedge (untrimsed) LE 4.4 Native Hedgerow With Trees	<b>Individual Trees (LE 5)</b> LE 5.1 Individual Trees <b>Wetland Habitats (LE 6)</b> 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 <b>Hard Landscape Features (LE 7)</b> LE 7.4 Reinforced Earth Bund <b>Earthworks</b> Proposed Contours	<b>Ecological Habitats (LE 8)</b> 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 <b>Ecological (E 3)</b> 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)	<b>Noise (E 1)</b> E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence) <b>Water (E 2)</b> Flood Compensation Areas (E 2-FCA) LE 8.7 Nitrogen Deposition (NDEP) Compensation Area E 2.1 Flood Defence (E 2-FD)
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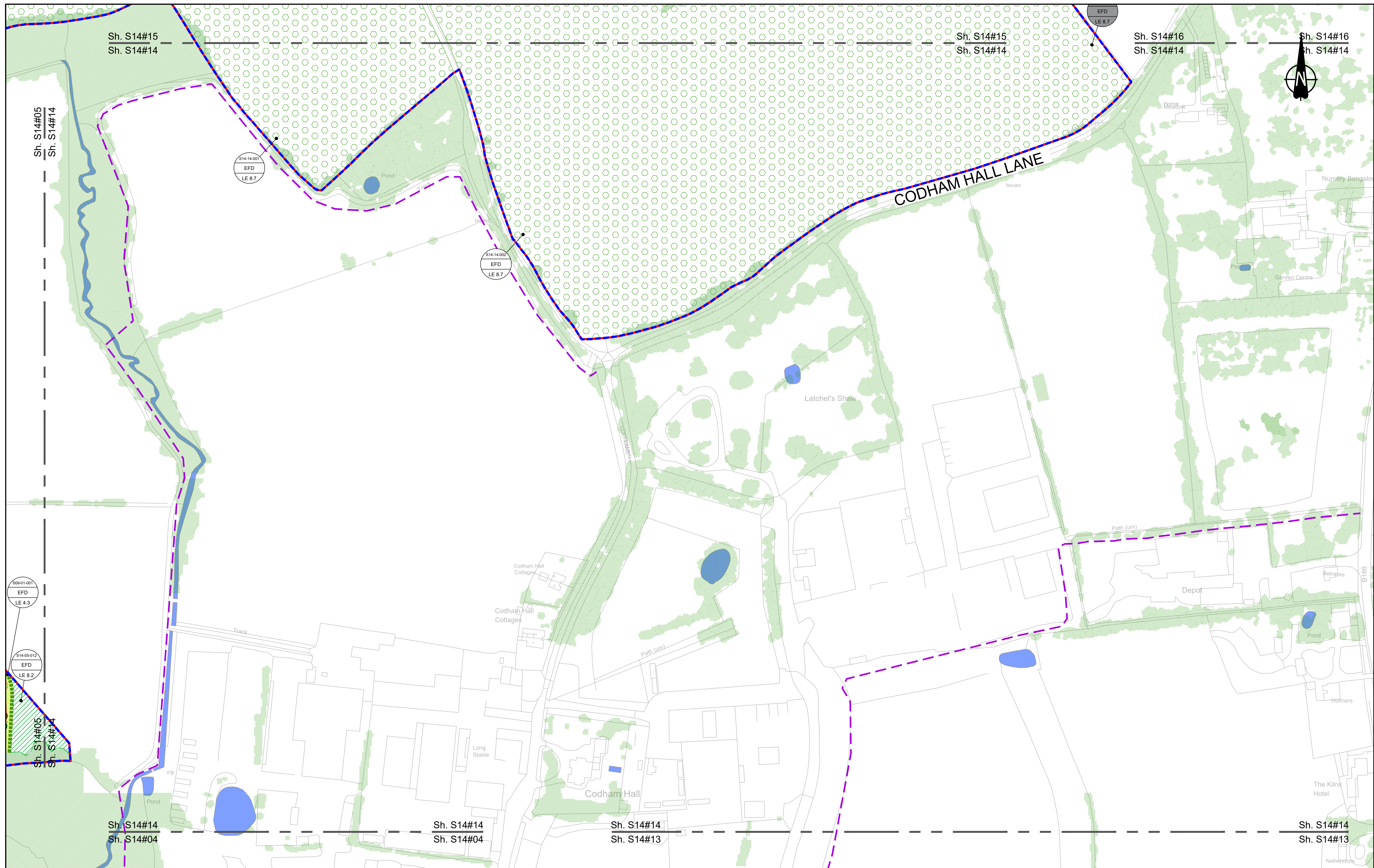
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	Initial Status or WIP	Original Size	A1	Revision	P01.5
Application Document Number	TR010032/APP/6.2	Scale	1:1250		
Drawing title	<b>ENVIRONMENTAL MASTERPLAN SECTION 14 SHEET 13</b>				
Drawing Number	HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00014				

HE540039-CJV-EGN-S14\_EN000000\_Z-DR-ZZ-00014.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.

Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01.5	SO	08/08/2022				LD

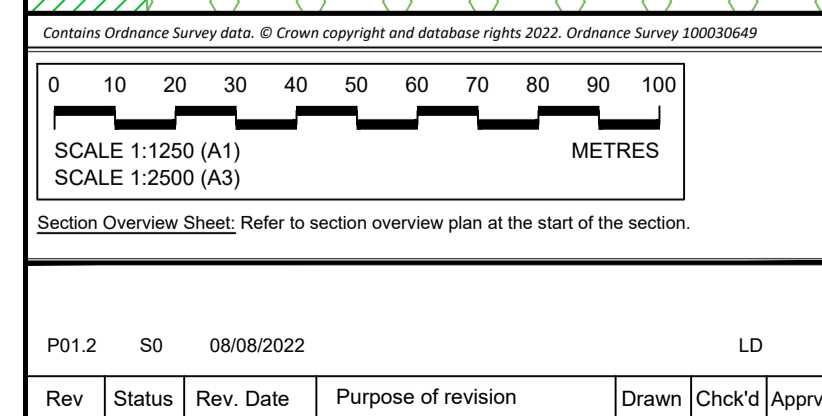
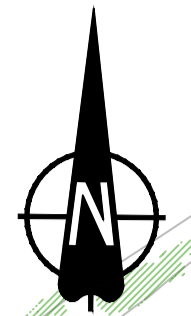
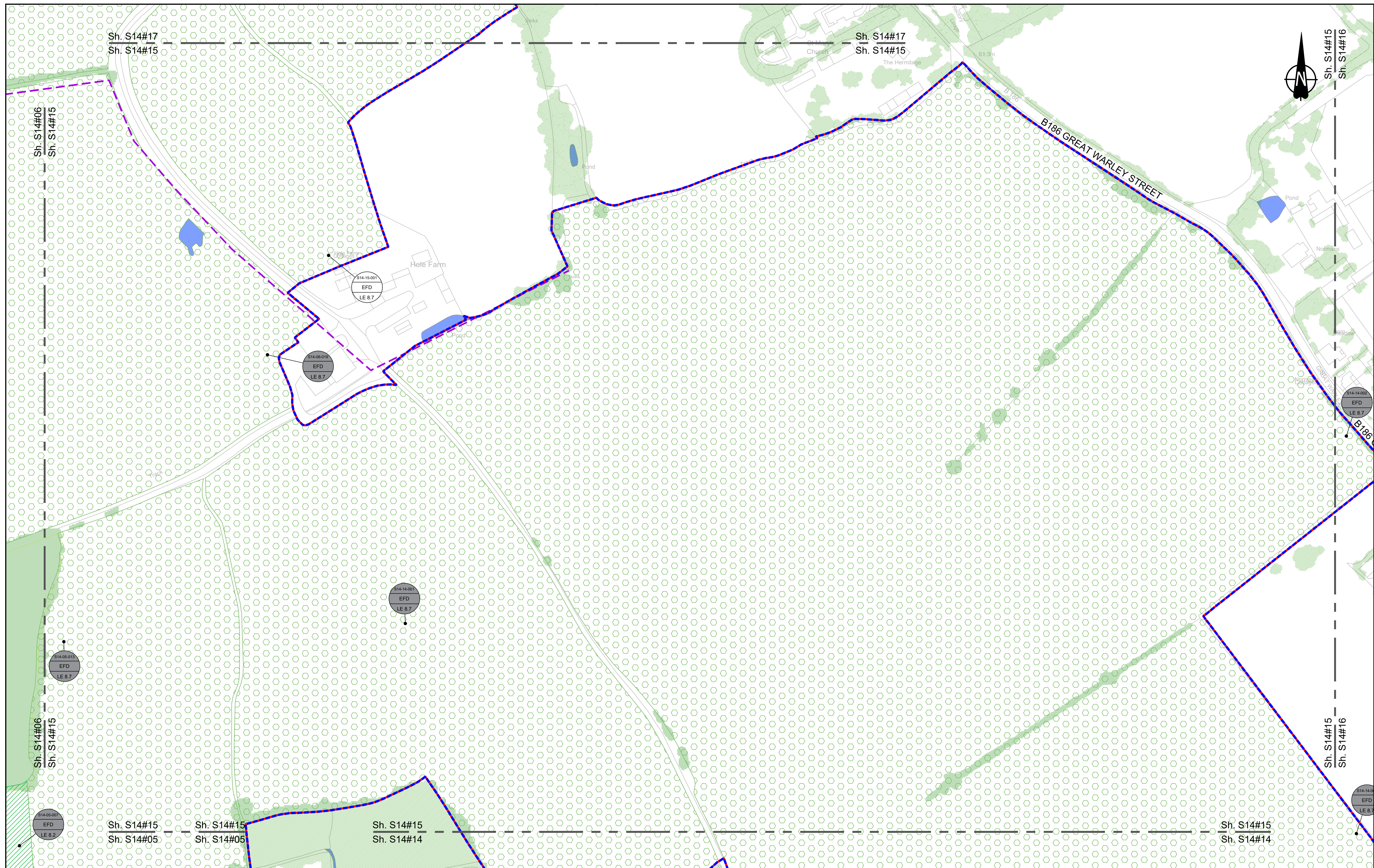
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<p><b>Order Limits</b></p> <ul style="list-style-type: none"> <li>Order Limits</li> <li>Permanent Acquisition of Land</li> </ul> <p><b>Grassland (LE 1)</b></p> <ul style="list-style-type: none"> <li>LE 1.3 Species Rich Chalk Grassland</li> <li>LE 1.31 Species Rich Chalk Grassland</li> <li>LE 1.32 Species Rich Annual Wildflower Grassland</li> <li>LE 1.4 Rock and Scree</li> </ul>	<p><b>Planting (LE 2)</b></p> <ul style="list-style-type: none"> <li>LE 2.1 Woodland</li> <li>LE 2.11 Woodland With Non-Native Species</li> <li>LE 2.14 Wet / Carr Woodland</li> <li>LE 2.2 Woodland Edge</li> <li>LE 2.22 Scrub Woodland</li> <li>LE 2.4 Linear Belt of Shrubs and Trees</li> </ul> <p><b>Hedges (LE 4)</b></p> <ul style="list-style-type: none"> <li>LE 4.3 Native Species Hedge (untrimmied)</li> <li>LE 4.4 Native Hedgerow With Trees</li> </ul>	<p><b>Individual Trees (LE 5)</b></p> <ul style="list-style-type: none"> <li>LE 5.1 Individual Trees</li> </ul> <p><b>Wetland Habitats (LE 6)</b></p> <ul style="list-style-type: none"> <li>LE 6.11 Water Bodies - Standing Water</li> <li>LE 6.12 Water Bodies and Associated Plants - Shallow Scrape</li> <li>LE 6.2 Banks and Ditches</li> <li>LE 6.21 Banks and Ditches - High Tide Roost Features</li> </ul>	<p><b>Ecological Habitats (LE 8)</b></p> <ul style="list-style-type: none"> <li>LE 8.1 Open Mosaic Habitat</li> <li>LE 8.2 Ancient Woodland Compensation Planting</li> <li>LE 8.3 Woodland Mitigation Planting</li> <li>LE 8.4 Wetland / Fenland Creation</li> <li>LE 8.5 Ecology Pond (indicative symbol only)</li> <li>LE 8.6 Acid Grassland Soil Salvage</li> </ul> <p><b>Hard Landscape Features (LE 7)</b></p> <ul style="list-style-type: none"> <li>LE 7.4 Reinforced Earth Bund</li> </ul> <p><b>Earthworks</b></p> <ul style="list-style-type: none"> <li>Proposed Contours</li> </ul>	<p><b>Noise (E 1)</b></p> <ul style="list-style-type: none"> <li>LE 8.7 Nitrogen Deposition (NDEP) Compensation Area</li> <li>E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)</li> </ul> <p><b>Water (E 2)</b></p> <ul style="list-style-type: none"> <li>Flood Compensation Areas (E 2-FCA)</li> <li>Flood Defence (E 2-FD)</li> </ul>	<p><b>Ecological (E 3)</b></p> <ul style="list-style-type: none"> <li>E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species</li> <li>E 3.2 Dormouse Boxes</li> <li>E 3.2 Bat Boxes</li> <li>E 3.2 Ecological Culvert</li> <li>E 3.2 Bat Barn Block</li> </ul> <p><b>E 3.2 Barn Owl Box</b></p> <ul style="list-style-type: none"> <li>E 3.2 Ecological Fencing (inc. highway boundary fence)</li> </ul>
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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	P01.5
Scale			
Drawing Title	<b>ENVIRONMENTAL MASTERPLAN SECTION 14 SHEET 14</b>		
Drawing Number	HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00015		



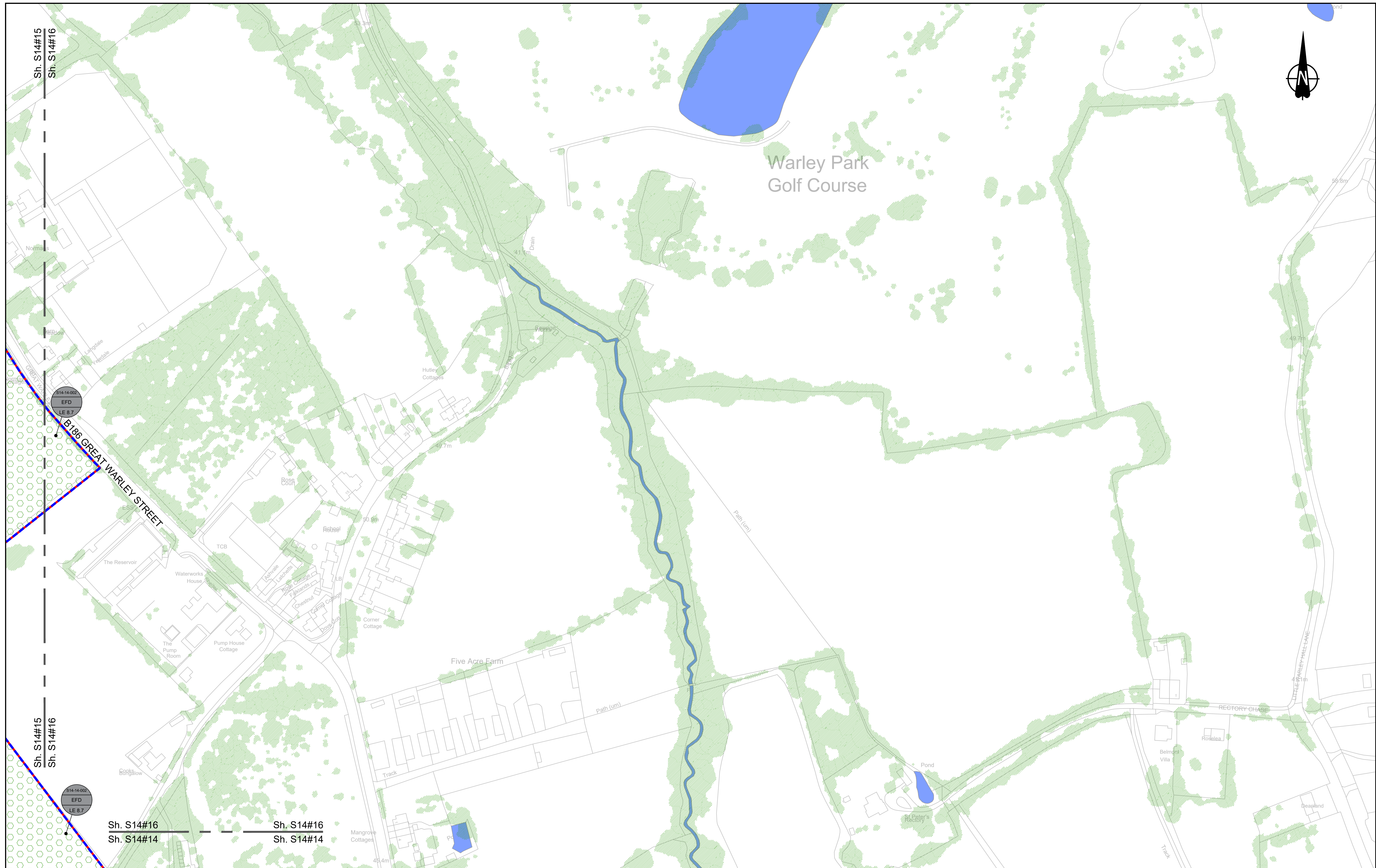
**Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ\_EN000000\_Z-DR-ZZ-00001).**

<b>Order Limits</b> Order Limits	<b>Planting (LE 2)</b> LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species LE 2.14 Wet / Carr Woodland LE 2.2 Woodland Edge LE 2.4 Linear Belt of Shrubs and Trees	<b>Individual Trees (LE 5)</b> LE 5.1 Individual Trees	<b>Ecological Habitats (LE 8)</b> 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	<b>Noise (E 1)</b> LE 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	<b>Ecological (E 3)</b> 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
<b>Grassland (LE 1)</b> 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	<b>Wetland Habitats (LE 6)</b> 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	<b>Wetland Habitats (LE 6)</b> LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh	<b>Hard Landscape Features (LE 7)</b> LE 7.4 Reinforced Earth Bund	<b>Water (E 2)</b> Flood Compensation Areas (E 2-FCA) Flood Defence (E 2-FD)	<b>Ecological (E 3)</b> E 3.2 Ecological Fencing (inc. highway boundary fence) E 3.2 Barn Owl Box
<b>Hedges (LE 4)</b> LE 4.3 Native Species Hedge (untrimmed) LE 4.4 Native Hedgerow With Trees	<b>Earthworks</b> Proposed Contours				

Client: **national highways**

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: <b>ENVIRONMENTAL MASTERPLAN SECTION 14 SHEET 15</b>		
Drawing Number: HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00016		



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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.

P01.2 50 08/08/2022 LD

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-SZ-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"> <li>Order Limits</li> <li>Permanent Acquisition of Land</li> </ul>	<ul style="list-style-type: none"> <li>LE 2.1 Woodland</li> <li>LE 2.11 Woodland With Non-Native Species</li> <li>LE 2.14 Wet / Carr Woodland</li> <li>LE 2.2 Woodland Edge</li> <li>LE 2.22 Scrub Woodland</li> <li>LE 2.4 Linear Belt of Shrubs and Trees</li> </ul>	<ul style="list-style-type: none"> <li>LE 5.1 Individual Trees</li> <li>LE 6.1 Water Bodies - Standing Water</li> <li>LE 6.12 Water Bodies and Associated Plants - Shallow Scrape</li> <li>LE 6.2 Banks and Ditches</li> <li>LE 6.21 Banks and Ditches - High Tide Roost Features</li> </ul>	<ul style="list-style-type: none"> <li>LE 6.4 Wet Grassland</li> <li>LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh</li> <li>LE 7.4 Reinforced Earth Bund</li> <li>LE 8.1 Open Mosaic Habitat</li> <li>LE 8.2 Ancient Woodland Compensation Planting</li> <li>LE 8.3 Woodland Mitigation Planting</li> <li>LE 8.4 Wetland / Fenland Creation</li> <li>LE 8.5 Ecology Pond (indicative symbol only)</li> <li>LE 8.6 Acid Grassland Soil Salvage</li> </ul>	<ul style="list-style-type: none"> <li>LE 8.7 Nitrogen Deposition (NDEP) Compensation Area</li> <li>E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)</li> <li>Flood Compensation Areas (E 2-FCA)</li> <li>Flood Defence (E 2-FD)</li> </ul>	<ul style="list-style-type: none"> <li>E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species</li> <li>E 3.2 Dormouse Boxes</li> <li>E 3.2 Bat Boxes</li> <li>E 3.2 Ecological Culvert</li> <li>E 3.2 Bat Barn Block</li> <li>E 3.2 Ecological Fencing (inc. highway boundary fence)</li> </ul>
<ul style="list-style-type: none"> <li>Grassland (LE 1)</li> <li>LE 1.3 Species Rich Grassland</li> <li>LE 1.31 Species Rich Chalk Grassland</li> <li>LE 1.32 Species Rich Annual Wildflower Grassland</li> <li>LE 1.4 Rock and Scree</li> </ul>	<ul style="list-style-type: none"> <li>LE 2.5 Shrubs With Intermittent Trees</li> <li>LE 2.7 Scattered Trees</li> <li>LE 2.8 Scrub / Scattered Scrub</li> <li>Hedges (LE 4)</li> <li>LE 4.3 Native Species Hedge (untrimmed)</li> <li>LE 4.4 Native Hedgerow With Trees</li> </ul>	<ul style="list-style-type: none"> <li>LE 6.3 Woodland Mitigation Planting</li> <li>LE 6.4 Wet Grassland</li> <li>LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh</li> <li>LE 7.4 Reinforced Earth Bund</li> <li>LE 8.1 Open Mosaic Habitat</li> <li>LE 8.2 Ancient Woodland Compensation Planting</li> <li>LE 8.3 Woodland Mitigation Planting</li> <li>LE 8.4 Wetland / Fenland Creation</li> <li>LE 8.5 Ecology Pond (indicative symbol only)</li> <li>LE 8.6 Acid Grassland Soil Salvage</li> </ul>	<ul style="list-style-type: none"> <li>LE 8.7 Nitrogen Deposition (NDEP) Compensation Area</li> <li>E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)</li> <li>Flood Compensation Areas (E 2-FCA)</li> <li>Flood Defence (E 2-FD)</li> </ul>	<ul style="list-style-type: none"> <li>E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species</li> <li>E 3.2 Dormouse Boxes</li> <li>E 3.2 Bat Boxes</li> <li>E 3.2 Ecological Culvert</li> <li>E 3.2 Bat Barn Block</li> <li>E 3.2 Ecological Fencing (inc. highway boundary fence)</li> </ul>	
<ul style="list-style-type: none"> <li>Hard Landscape Features (LE 7)</li> <li>LE 7.4 Reinforced Earth Bund</li> </ul>	<ul style="list-style-type: none"> <li>Earthworks</li> <li>Proposed Contours</li> </ul>	<ul style="list-style-type: none"> <li>LE 6.3 Woodland Mitigation Planting</li> <li>LE 6.4 Wet Grassland</li> <li>LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh</li> <li>LE 7.4 Reinforced Earth Bund</li> <li>LE 8.1 Open Mosaic Habitat</li> <li>LE 8.2 Ancient Woodland Compensation Planting</li> <li>LE 8.3 Woodland Mitigation Planting</li> <li>LE 8.4 Wetland / Fenland Creation</li> <li>LE 8.5 Ecology Pond (indicative symbol only)</li> <li>LE 8.6 Acid Grassland Soil Salvage</li> </ul>	<ul style="list-style-type: none"> <li>LE 8.7 Nitrogen Deposition (NDEP) Compensation Area</li> <li>E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)</li> <li>Flood Compensation Areas (E 2-FCA)</li> <li>Flood Defence (E 2-FD)</li> </ul>	<ul style="list-style-type: none"> <li>E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species</li> <li>E 3.2 Dormouse Boxes</li> <li>E 3.2 Bat Boxes</li> <li>E 3.2 Ecological Culvert</li> <li>E 3.2 Bat Barn Block</li> <li>E 3.2 Ecological Fencing (inc. highway boundary fence)</li> </ul>	

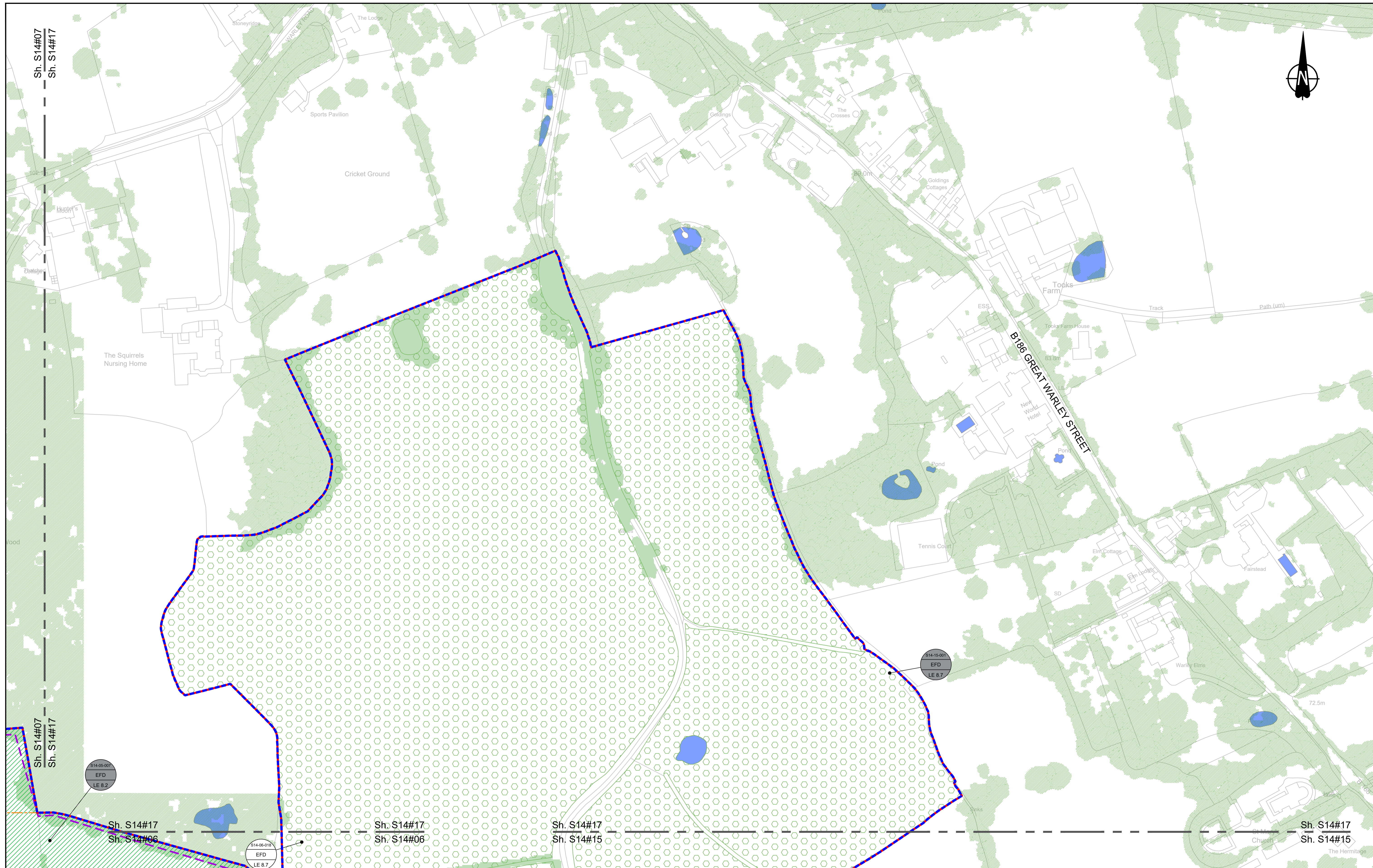
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.2
Drawing Title	<b>ENVIRONMENTAL MASTERPLAN SECTION 14 SHEET 16</b>		
Drawing Number	HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00017		

Scale: 1:2500

HE540039-CJV-EGN-S14\_EN000000\_Z-DR-ZZ-00017.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	Chck'd	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).

**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 (untrimsed)
- LE 4.4 Native Hedgerow With Trees

**Individual Trees (LE 5)**

- LE 5.1 Individual Trees

**Wetland Habitats (LE 6)**

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

**LE 6.4 Wet Grassland**

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

**Hard Landscape Features (LE 7)**

- LE 7.4 Reinforced Earth Bund

**Earthworks**

- Proposed Contours

**Ecological Habitats (LE 8)**

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

**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

**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)

**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

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

**Scale:** A1 P01.2

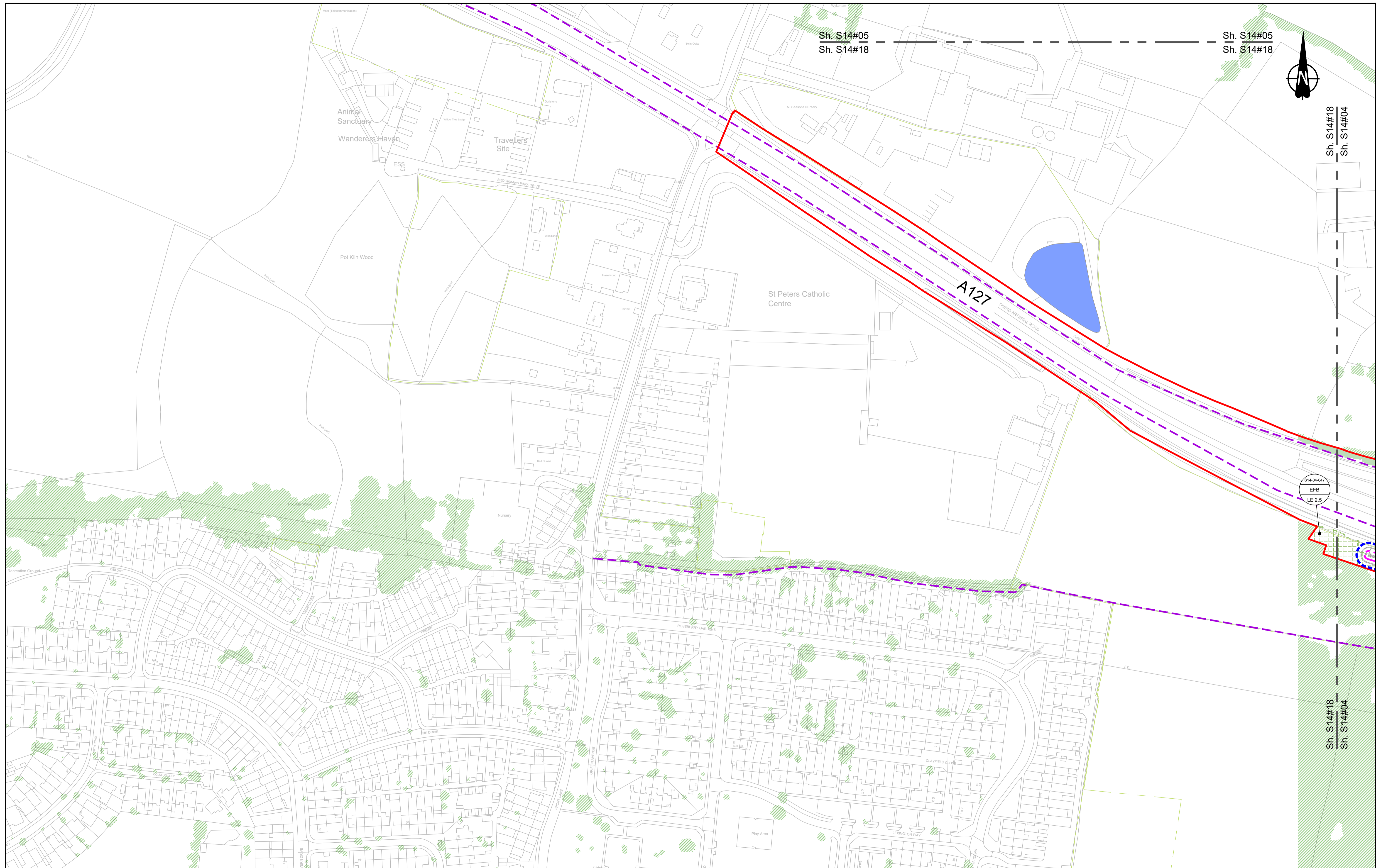
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**Drawing Number:** HE540039-CJV-EGN-S14\_EN000000\_Z-DR-ZZ-00018

**Original Size:** A1

**Revision:** P01.2

HE540039-CJV-EGN-S14\_EN000000\_Z-DR-ZZ-00018.dwg

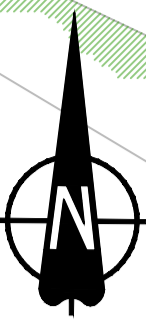


Sh. S14#05  
Sh. S14#18

Sh. S14#05  
Sh. S14#18

Sh. S14#18  
Sh. S14#04

Sh. S14#18  
Sh. S14#04



S14-04-047  
EFB  
LE 2.5

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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	Check'd	Apprv'd
P01.3	SD	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><b>Order Limits</b></p> <ul style="list-style-type: none"> <li>Permanent Acquisition of Land</li> </ul> <p><b>Grassland (LE 1)</b></p> <ul style="list-style-type: none"> <li>LE 1.3 Species Rich Grassland</li> <li>LE 1.31 Species Rich Chalk Grassland</li> <li>LE 1.32 Species Rich Annual Wildflower Grassland</li> <li>LE 1.4 Rock and Scree</li> </ul>	<p><b>Planting (LE 2)</b></p> <ul style="list-style-type: none"> <li>LE 2.1 Woodland</li> <li>LE 2.11 Woodland With Non-Native Species</li> <li>LE 2.14 Wet / Carr Woodland</li> <li>LE 2.2 Woodland Edge</li> <li>LE 2.22 Scrub Woodland</li> <li>LE 2.4 Linear Belt of Shrubs and Trees</li> </ul> <p><b>Hedges (LE 4)</b></p> <ul style="list-style-type: none"> <li>LE 4.3 Native Species Hedge (untrimmed)</li> <li>LE 4.4 Native Hedgerow With Trees</li> </ul>	<p><b>Individual Trees (LE 5)</b></p> <ul style="list-style-type: none"> <li>LE 5.1 Individual Trees</li> </ul> <p><b>Wetland Habitats (LE 6)</b></p> <ul style="list-style-type: none"> <li>LE 6.11 Water Bodies - Standing Water</li> <li>LE 6.12 Water Bodies and Associated Plants - Shallow Scrape</li> <li>LE 6.2 Banks and Ditches</li> <li>LE 6.21 Banks and Ditches - High Tide Roost Features</li> </ul> <p><b>Hard Landscape Features (LE 7)</b></p> <ul style="list-style-type: none"> <li>LE 7.4 Reinforced Earth Bund</li> </ul> <p><b>Earthworks</b></p> <ul style="list-style-type: none"> <li>Proposed Contours</li> </ul>	<p><b>Ecological Habitats (LE 8)</b></p> <ul style="list-style-type: none"> <li>LE 8.1 Open Mosaic Habitat</li> <li>LE 8.2 Ancient Woodland Compensation Planting</li> <li>LE 8.3 Woodland Mitigation Planting</li> <li>LE 8.4 Wetland / Fenland Creation</li> <li>LE 8.5 Ecology Pond (indicative symbol only)</li> <li>LE 8.6 Acid Grassland Soil Salvage</li> </ul> <p><b>Ecological (E 3)</b></p> <ul style="list-style-type: none"> <li>E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species</li> <li>E 3.2 Dormouse Boxes</li> <li>E 3.2 Bat Boxes</li> <li>E 3.2 Ecological Culvert</li> <li>E 3.2 Bat Barn Block</li> </ul>	<p><b>Noise (E 1)</b></p> <ul style="list-style-type: none"> <li>E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)</li> </ul> <p><b>Water (E 2)</b></p> <ul style="list-style-type: none"> <li>LE 8.7 Nitrogen Deposition (NDEP) Compensation Area</li> <li>Flood Compensation Areas (E 2-FCA)</li> <li>Flood Defence (E 2-FD)</li> </ul>	<p><b>Ecological (E 3)</b></p> <ul style="list-style-type: none"> <li>E 3.2 Ecological Fencing (inc. highway boundary fence)</li> <li>E 3.2 Barn Owl Box</li> <li>E 3.2 Ecological Fencing (inc. highway boundary fence)</li> </ul>
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Client: national highways

Project: LOWER THAMES CROSSING

Status: Initial Status or WIP

Application Document Number: TR010032/APP/6.2

Scale: A1

Revision: P01.3

Drawing title: ENVIRONMENTAL MASTERPLAN SECTION 14 SHEET 18

Drawing Number: HE540039-CJV-EGN-S14\_EN000000\_Z-DR-ZZ-00019

Original Size: A1

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