

Lower Thames Crossing

6.2 Environmental Statement Figures

Figure 2.4 - Environmental Masterplan Section 14 (10 of 10)

APFP Regulation 5(2)(a)
Infrastructure Planning
(Applications: Prescribed Forms and Procedure)
Regulations 2009
Volume 6

DATE: October 2022

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

VERSION: 1.0

Lower Thames Crossing

Figure 2.4 - Environmental Masterplan Section 14 (10 of 10)

List of contents

	Page number
1 Environmental Masterplan: Section 14.....	2
1.1 Schedule of Plans included in this application document.....	2
1.2 Scheme Overview.....	5
1.3 Environmental Masterplan Legend	7
1.4 Section 14.....	9

1 Environmental Masterplan: Section 14

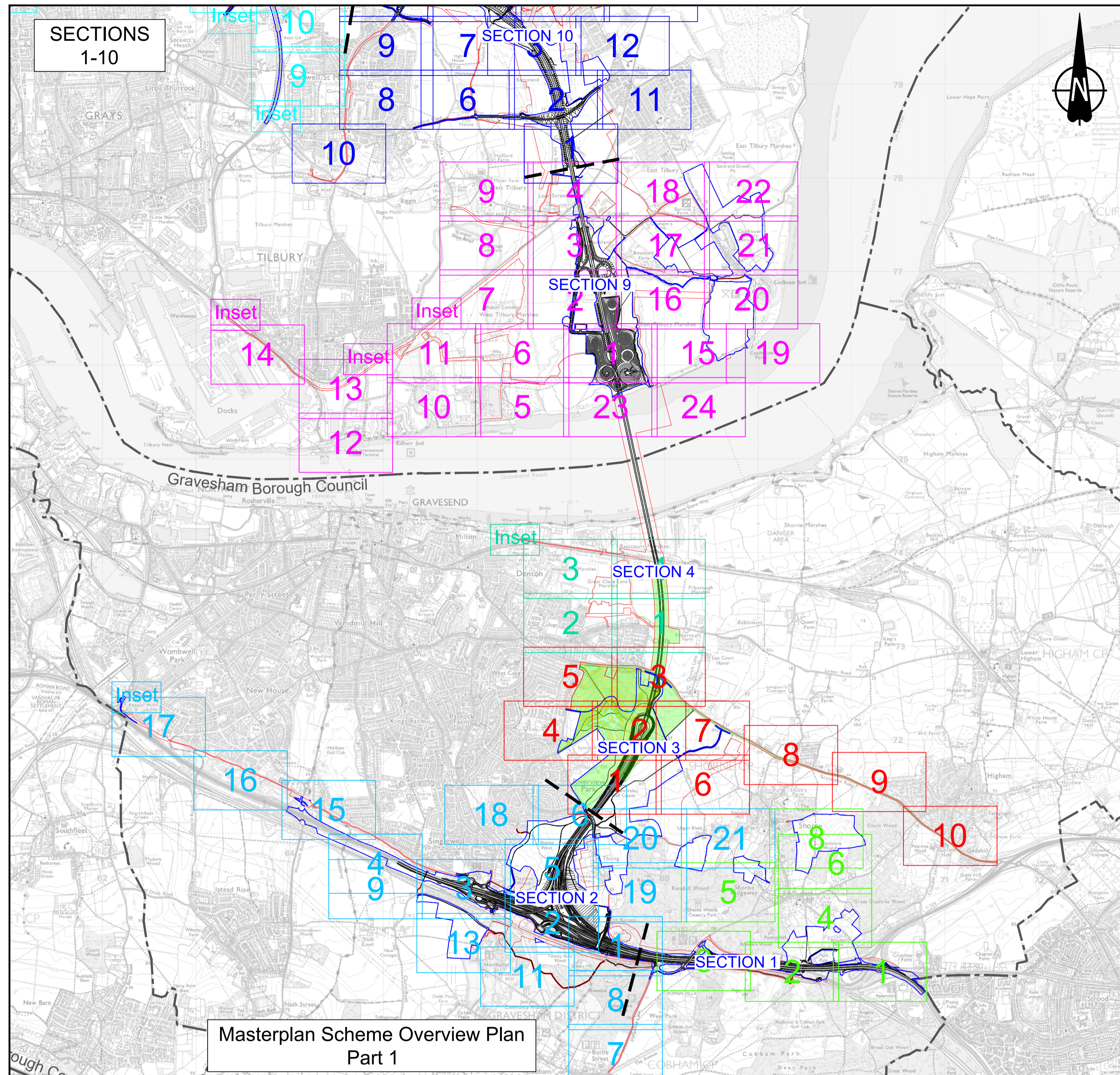
1.1 Schedule of Plans included in this application document

1.1.1 Section 14 (Sheets 1-18)

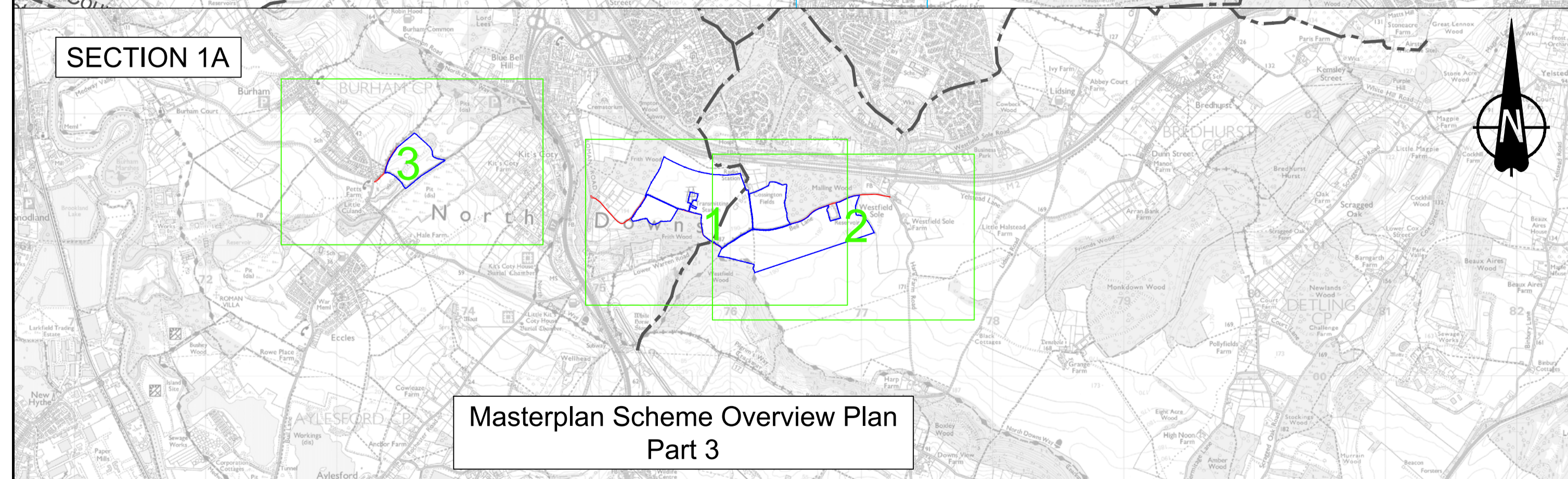
HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ- 00001 - Section Overview	TR010032/APP/6.2	P01.5
HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ- 00002 - Section 14 Sheet 1	TR010032/APP/6.2	P01.5
HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ- 00003 - Section 14 Sheet 2	TR010032/APP/6.2	P01.5
HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ- 00004 - Section 14 Sheet 3	TR010032/APP/6.2	P01.5
HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ- 00005 - Section 14 Sheet 4	TR010032/APP/6.2	P01.5
HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ- 00006 - Section 14 Sheet 5	TR010032/APP/6.2	P01.5
HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ- 00007 - Section 14 Sheet 6	TR010032/APP/6.2	P01.5
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

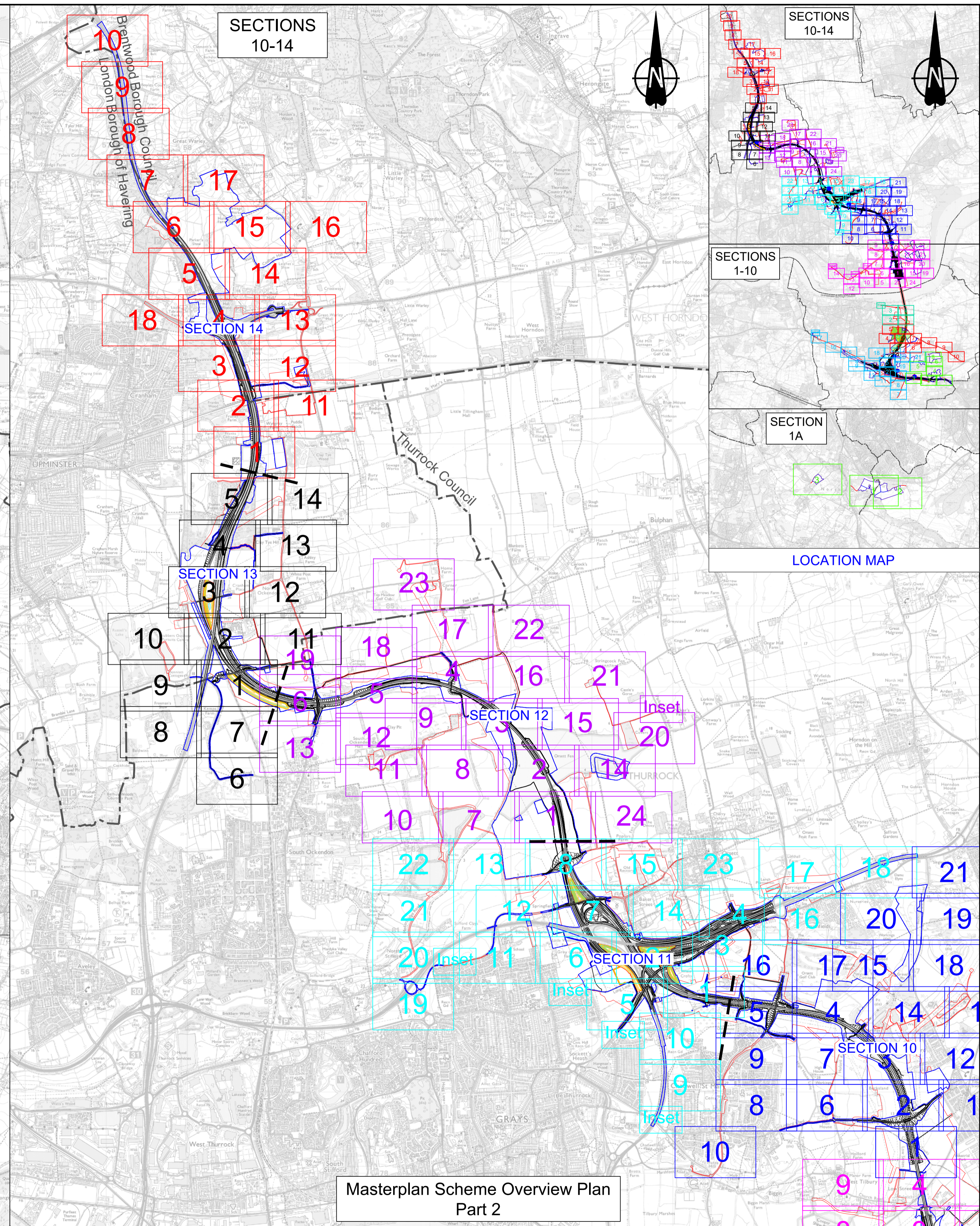
1.2 Scheme Overview



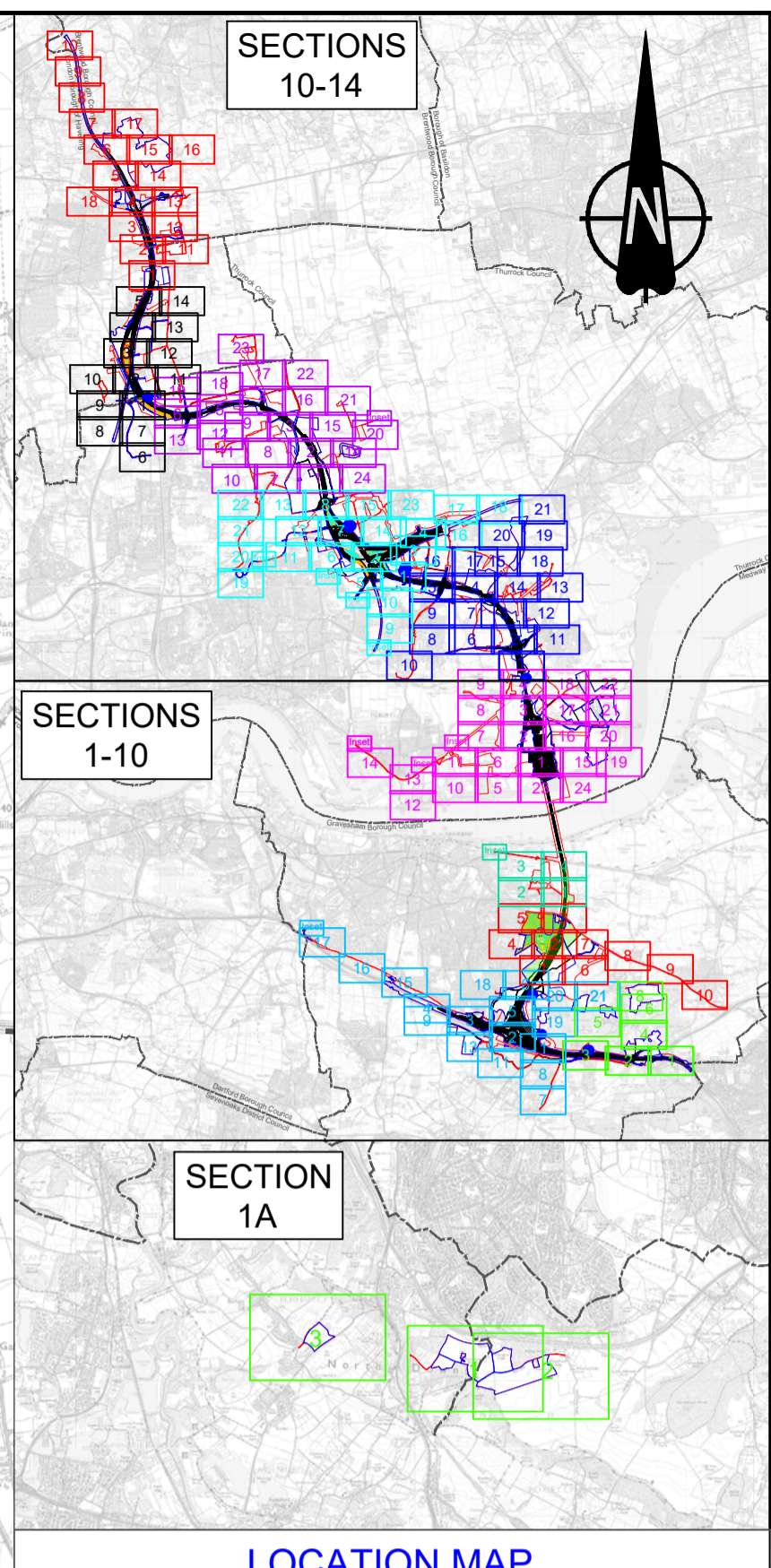
Masterplan Scheme Overview Plan Part 1



Masterplan Scheme Overview Plan Part 3



Masterplan Scheme Overview Plan Part 2



LOCATION MAP

Contains Ordnance Survey data. © Crown copyright and database rights 2022. Ordnance Survey 100030649

0	200	400	600	800	1000	2400
SCALE 1:30000 (A1)						
SCALE 1:60000 (A3)						
METRES						

- - - - - Approximate Highway Section Outline
 - - - - - Permanent Acquisition of Land
 - - - - - Order Limits

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

Environmental Mitigation Legend:

1 Section S01 (Sheets 1 - 8)	1 Section S10 (Sheets 1 - 21)
1A Section S1A (Sheets 1 - 3)	1 Section S11 (Sheets 1 - 22)
1 Section S02 (Sheets 1 - 21)	1 Section S12 (Sheets 1 - 24)
1 Section S03 (Sheets 1 - 10)	1 Section S13 (Sheets 1 - 14)
1 Section S04 (Sheets 1 - 4)	1 Section S14 (Sheets 1 - 18)
1 Section S09 (Sheets 1 - 24)	

Client		Status	Original Size	Revision
Project		Application Document Number	A1	P01.3
LOWER THAMES CROSSING		Drawing title	ENVIRONMENTAL MASTERPLAN SCHEME OVERVIEW	
		Drawing Number	HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00002	

HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00002.dwg

1.3 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
- Hard Landscape Features (LE 7)**
- 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

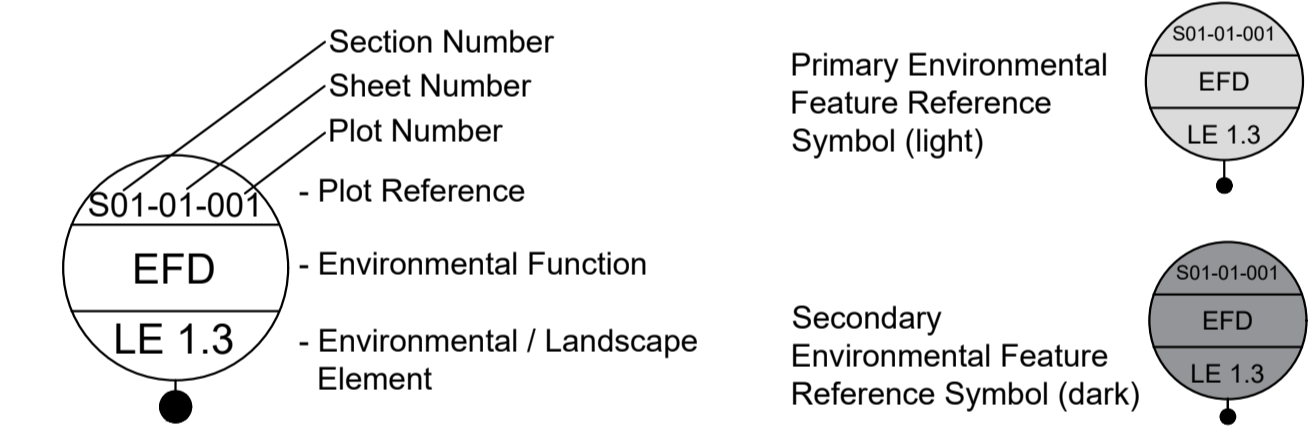
The outline Landscape and Ecology Management Plan (LEMP) separately sets out the proposed management for the environmental / landscape elements shown on the Environmental Masterplan. The Environment Masterplan secures the spatial extent and location of the environmental / landscape elements detailed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

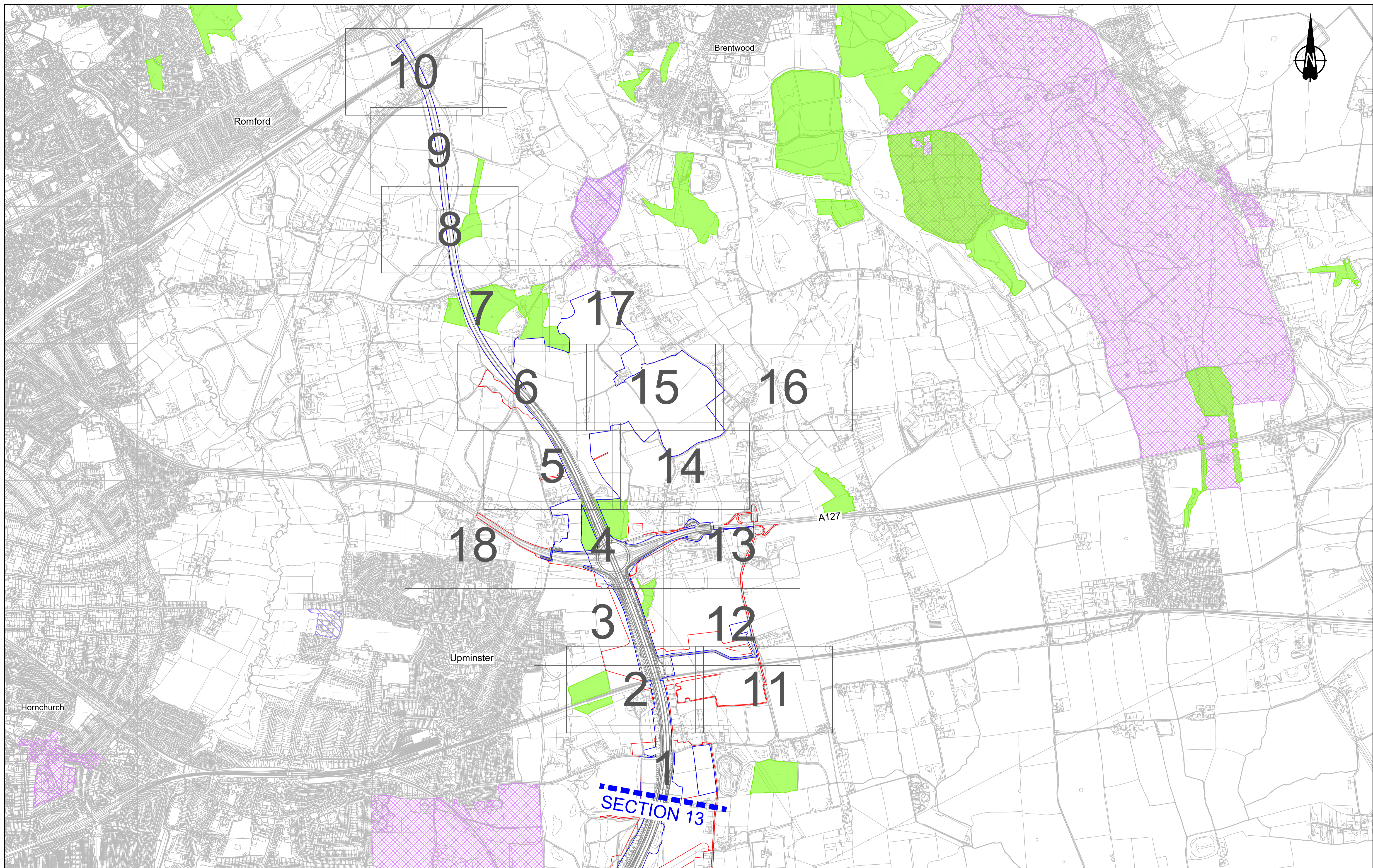
For further detail on the Landscape Design and Special Category Land shown within these plans, as well as the associated background and approach, please refer to the Project Design Report, Volume 2 Book of Plans, and Design Principles document (Application Documents 7.4, 6.2 and 7.5 respectively).

Contains Ordnance Survey data. © Crown copyright and database rights 2022. Ordnance Survey 100030649

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

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

1.4 Section 14



Contains Ordnance Survey data. © Crown copyright and database rights 2022. Ordnance Survey 100030649

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

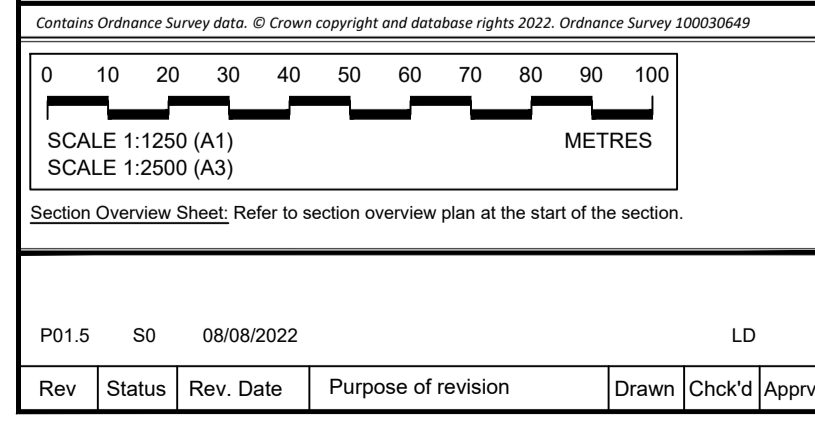
Order Limits	Registered Parks and Gardens
Permanent Acquisition of Land	Ramsar Sites
Area of Outstanding National Beauty (AONB)	Ancient Woodland
Site of Special Scientific Interest (SSSI)	Conservation Area

Client

Project

LOWER THAMES CROSSING

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.5
Scale	AS SHOWN		
Drawing title	ENVIRONMENTAL MASTERPLAN OVERVIEW PLAN SECTION 14		
Drawing Number	HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00001		



Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'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-SZ1_EN000000_Z-DR-ZZ-00001).

	Order Limits		Planting (LE 2)
	Permanent Acquisition of Land		LE 2.1 Woodland
	Grassland (LE 1)		LE 2.11 Woodland with Non-Native Species
	LE 1.3 Species Rich Grassland		LE 2.14 Wet / Carr Woodland
	LE 1.31 Species Rich Chalk Grassland		LE 2.2 Woodland Edge
	LE 1.32 Species Rich Annual Wildflower Grassland		LE 2.22 Scrub Woodland
	LE 1.4 Rock and Scree		LE 2.4 Linear Belt of Shrubs and Trees

	Individual Trees (LE 5)		LE 6.4 Wet Grassland
	LE 5.1 Individual Trees		LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh
	Wetland Habitats (LE 6)		LE 6.42 Marsh and Wet Grassland - Shallow Grazing Marsh
	LE 6.11 Water Bodies - Standing Water		LE 6.43 Marsh and Wet Grassland - Wetland with Standing Water
	LE 6.12 Water Bodies - Shallow Water and Associated Plants - Shallow Scrape		LE 7.4 Reinforced Earth Bund
	LE 6.2 Banks and Ditches		Earthworks
	LE 6.21 Banks and Ditches - High Tide Roost Features		Proposed Contours

	Ecological Habitats (LE 8)		Noise (E 1)
	LE 8.1 Open Mosaic Habitat		E 1.2 Acoustic Barrier - Built Elements (Typically inc. Highway boundary fence)
	LE 8.2 Ancient Woodland Compensation Planting		Water (E 2)
	LE 8.3 Woodland Mitigation Planting		Flood Compensation Areas (E 2-FCA)
	LE 8.4 Wetland / Fenland Creation		Flood Defence (E 2-FD)
	LE 8.5 Ecology Pond (indicative symbol only)		
	LE 8.6 Acid Grassland Soil Salvage		

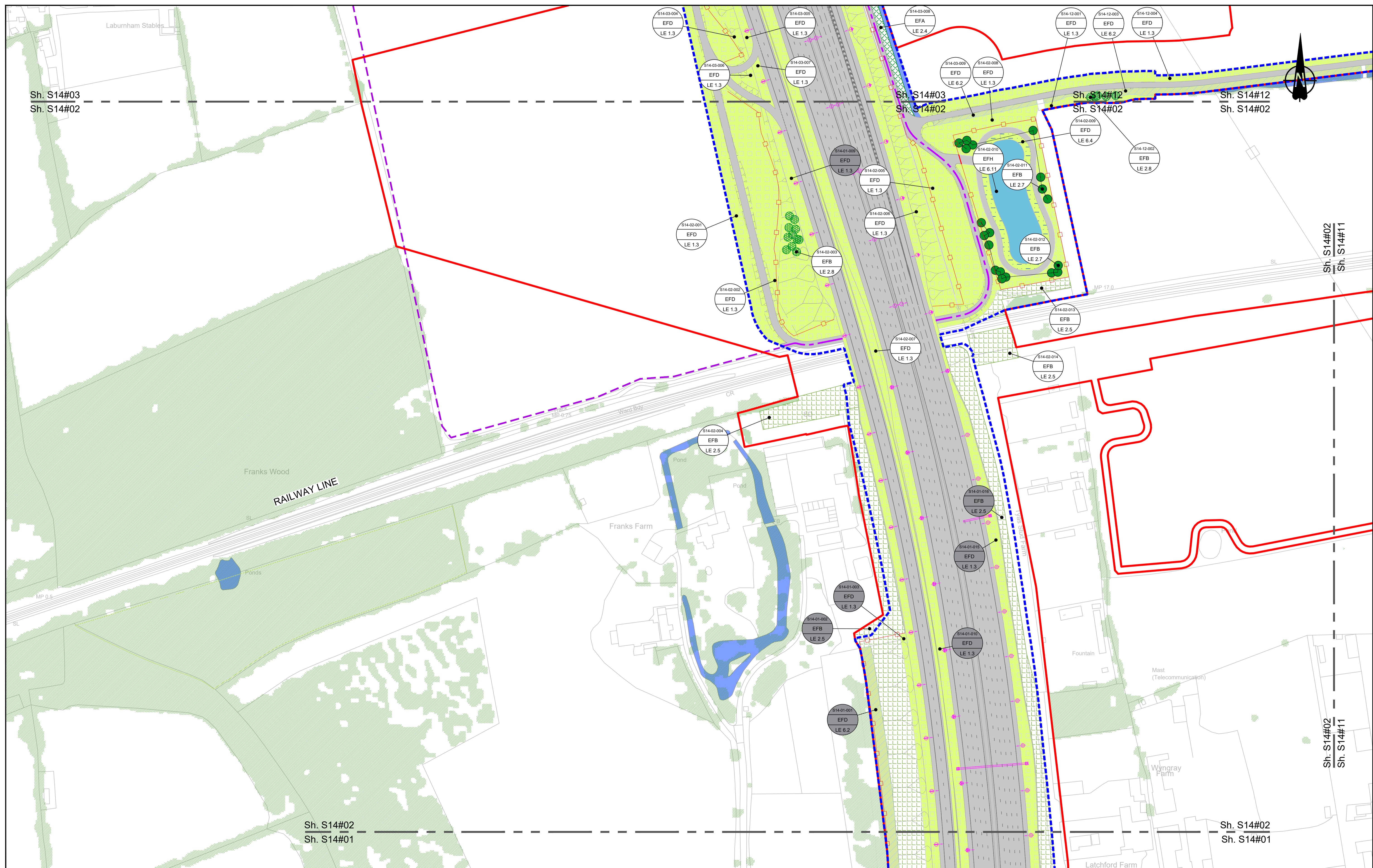
	Ecological (E 3)		E 3.2 Ecological Fencing (inc. highway boundary fence)
	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species		E 3.2 Ecological Fencing (inc. highway boundary fence)
	E 3.2 Dormouse Boxes		E 3.2 Ecological Culvert
	E 3.2 Bat Boxes		E 3.2 Bat Barn Block
	E 3.2 Ecological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

	E 3.2 Ecological Fencing (inc. highway boundary fence)
	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	P01.5
Application Document Number	TR010032/APP/6.2	Scale	1:1250		
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 14 SHEET 1				
Drawing Number	HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00002				



Contains Ordnance Survey data. © Crown copyright and database rights 2022. Ordnance Survey 100030649

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	SO	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).

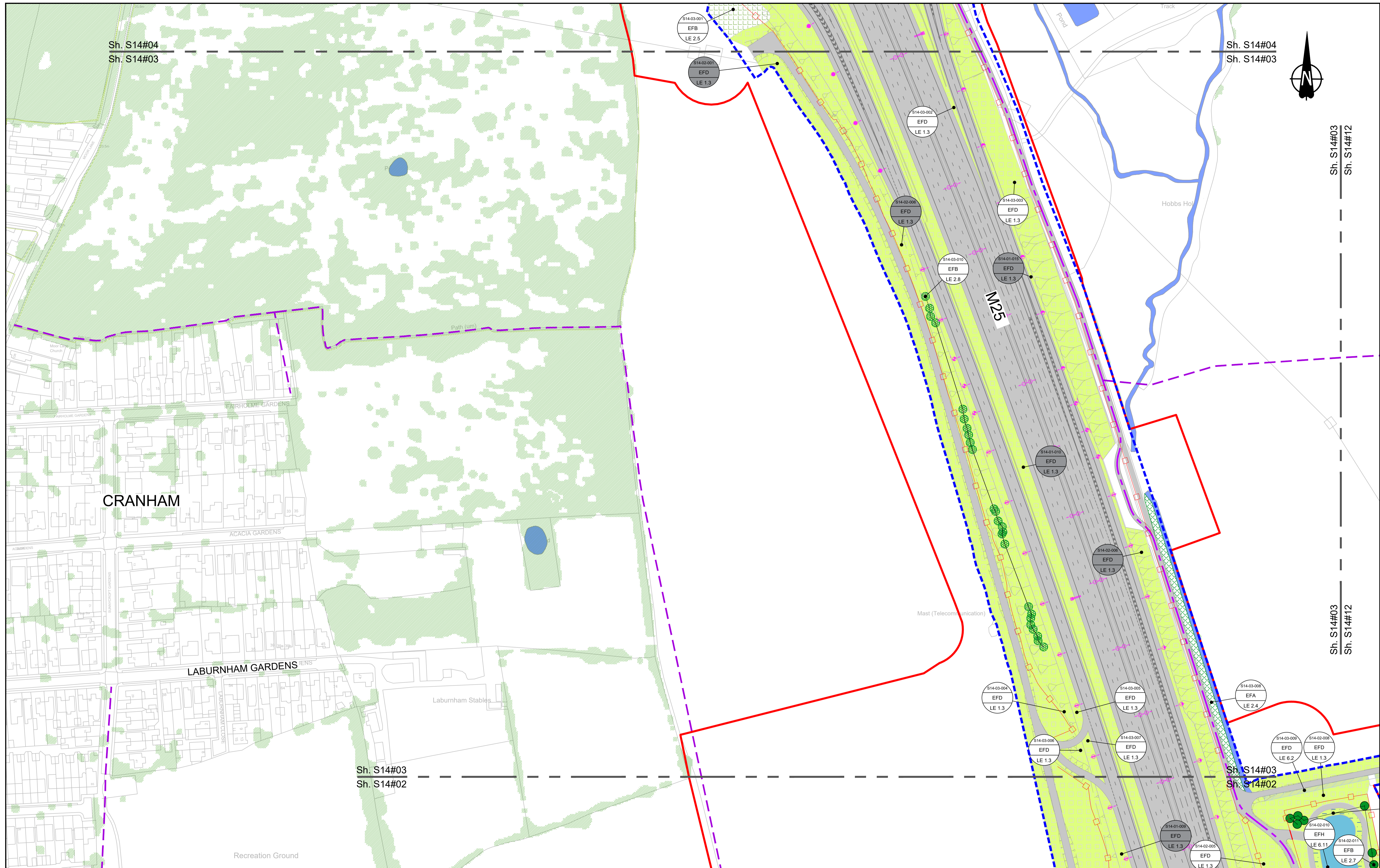
<p>Order Limits</p> <ul style="list-style-type: none"> Order Limits Permanent Acquisition of Land <p>Grassland (LE 1)</p> <ul style="list-style-type: none"> LE 1.3 Species Rich Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual Wildflower Grassland LE 1.4 Rock and Scree 	<p>Planting (LE 2)</p> <ul style="list-style-type: none"> LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species LE 2.14 Wet / Carr Woodland LE 2.2 Woodland Edge LE 2.22 Scrub Woodland LE 2.4 Linear Belt of Shrubs and Trees <p>Hedges (LE 4)</p> <ul style="list-style-type: none"> LE 4.3 Native Species Hedge (untrimmed) LE 4.4 Native Hedgerow With Trees 	<p>Individual Trees (LE 5)</p> <ul style="list-style-type: none"> LE 5.1 Individual Trees <p>Wetland Habitats (LE 6)</p> <ul style="list-style-type: none"> LE 6.11 Water Bodies - Standing Water LE 6.12 Water Bodies and Associated Plants - Shallow Scrape LE 6.2 Banks and Ditches LE 6.21 Banks and Ditches - High Tide Roost Features 	<p>Ecological Habitats (LE 8)</p> <ul style="list-style-type: none"> LE 8.1 Open Mosaic Habitat LE 8.2 Ancient Woodland Compensation Planting LE 8.3 Woodland Mitigation Planting LE 8.4 Wetland / Fenland Creation LE 8.5 Ecology Pond (indicative symbol only) LE 8.6 Acid Grassland Soil Salvage <p>Hard Landscape Features (LE 7)</p> <ul style="list-style-type: none"> LE 7.4 Reinforced Earth Bund <p>Earthworks</p> <ul style="list-style-type: none"> Proposed Contours 	<p>Noise (E 1)</p> <ul style="list-style-type: none"> LE 8.7 Nitrogen Deposition (NDEP) Compensation Area E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence) <p>Water (E 2)</p> <ul style="list-style-type: none"> Flood Compensation Areas (E 2-FCA) Flood Defence (E 2-FD) 	<p>Ecological (E 3)</p> <ul style="list-style-type: none"> E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species E 3.2 Dormouse Boxes E 3.2 Bat Boxes E 3.2 Ecological Culvert E 3.2 Bat Barn Block <p>E 3.2 Ecological Fencing (inc. highway boundary fence)</p> <ul style="list-style-type: none"> E 3.2 Ecological Fencing (inc. highway boundary fence) E 3.2 Bat 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	P01.5
Scale	1:1250		
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 14 SHEET 2		
Drawing Number	HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00003		

HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00003.dwg



Contains Ordnance Survey data. © Crown copyright and database rights 2022. Ordnance Survey 100030649

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).

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

Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status: **Initial Status or WIP**

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

Scale: **1:1250**

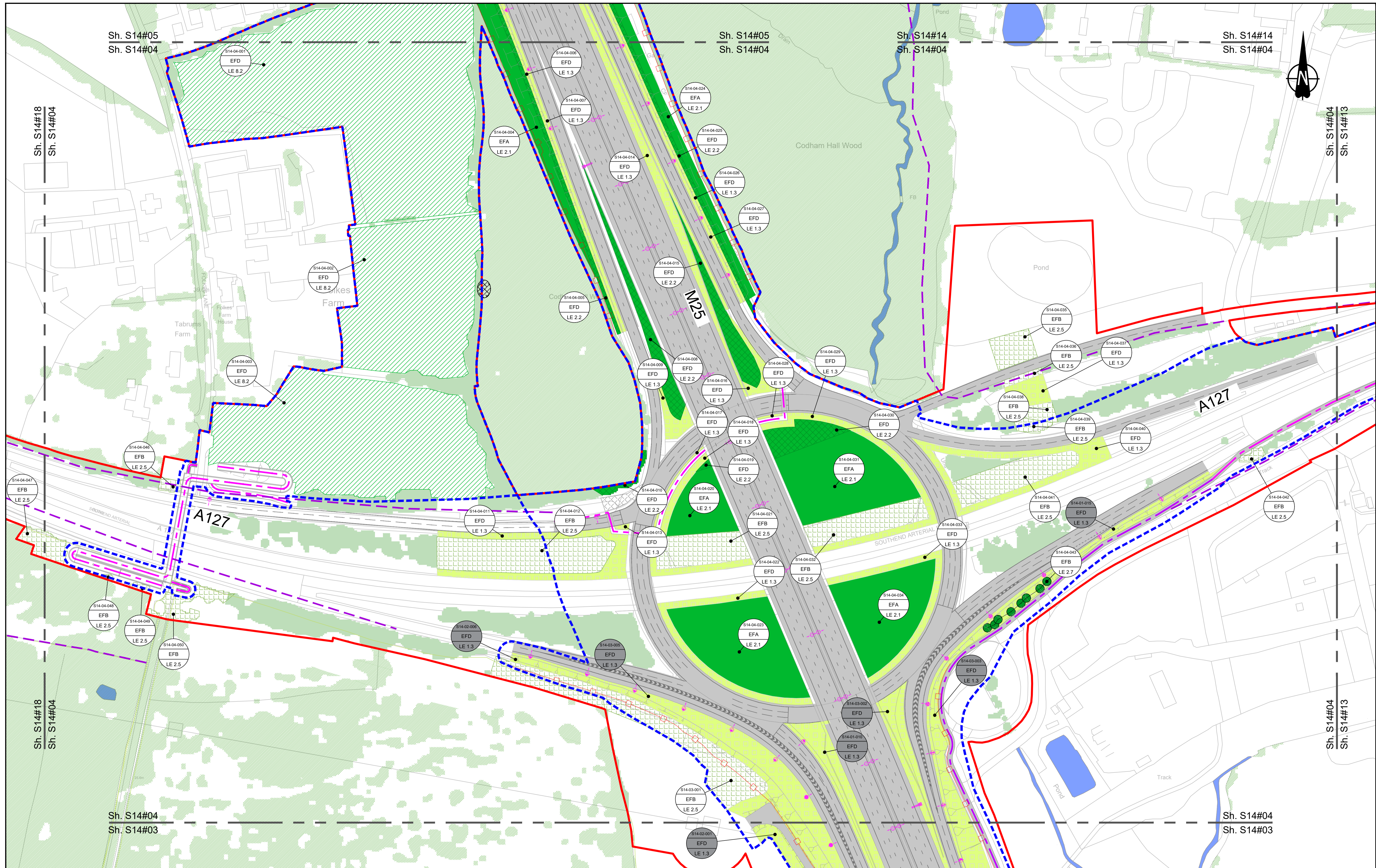
Original Size: **A1**

Revision: **P01.5**

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



Contains Ordnance Survey data. © Crown copyright and database rights 2022. Ordnance Survey 100030649

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.

P01.5 SD 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-S2Z_EN000000_Z-DR-ZZ-00001).

Order Limits	Planting (LE 2)	Individual Trees (LE 5)	Ecological Habitats (LE 8)	Noise (E 1)	Ecological (E 3)
<ul style="list-style-type: none"> Order Limits Permanent Acquisition of Land 	<ul style="list-style-type: none"> LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species LE 2.14 Wet / Carr Woodland LE 2.2 Woodland Edge LE 2.22 Scrub Woodland LE 2.4 Linear Belt of Shrubs and Trees 	<ul style="list-style-type: none"> LE 5.1 Individual Trees 	<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 Wet Grassland LE 8.41 Marsh and Wet Grassland - Coastal Grazing Marsh 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"> 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
<ul style="list-style-type: none"> Grassland (LE 1) LE 1.3 Species Rich Chalk Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual Wildflower Grassland LE 1.4 Rock and Scree 	<ul style="list-style-type: none"> LE 2.5 Shrubs With Intermittent Trees LE 2.7 Scattered Trees LE 2.8 Scrub / Scattered Scrub Hedges (LE 4) LE 4.3 Native Species Hedge (untrimmed) LE 4.4 Native Hedgerow With Trees 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Hard Landscape Features (LE 7) LE 7.4 Reinforced Earth Band Earthworks Proposed Contours 	<ul style="list-style-type: none"> Water (E 2) Flood Compensation Areas (E 2-FCA) Flood Defence (E 2-FD) 	

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	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



Contains Ordnance Survey data. © Crown copyright and database rights 2023. Ordnance Survey 100030649

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	Appr'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-00001).

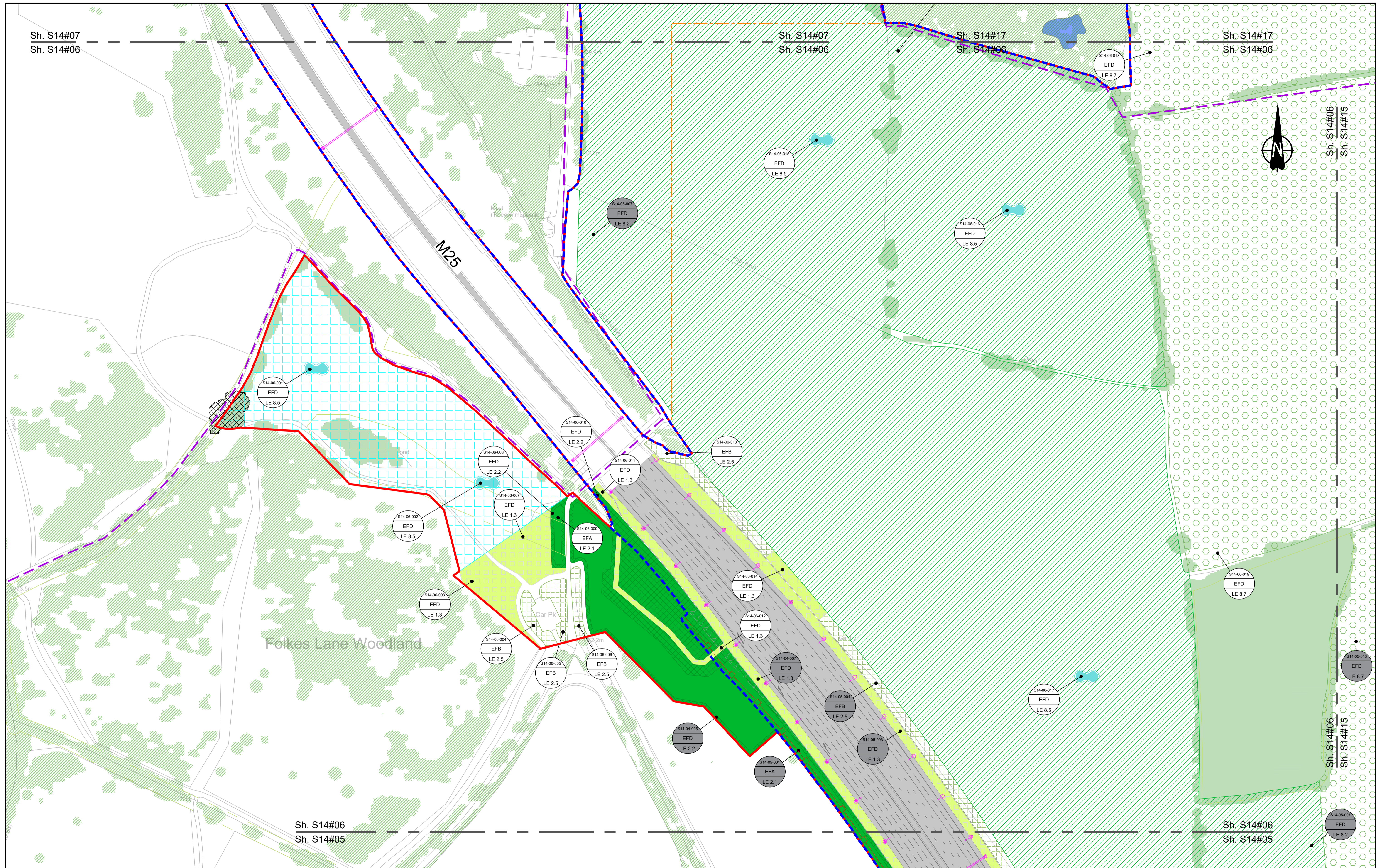
Order Limits Permanent Acquisition of Land Grassland (LE 1) LE 1.3 Species Rich Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual Wildflower Grassland LE 1.4 Rock and Scree	Planting (LE 2) LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species LE 2.14 Wet / Carr Woodland LE 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 (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 Hard Landscape Features (LE 7) LE 7.4 Reinforced Earth Band Earthworks Proposed Contours	Ecological Habitats (LE 8) LE 8.1 Open Mosaic Habitat LE 8.2 Ancient Woodland Compensation Planting LE 8.3 Woodland Mitigation Planting LE 8.4 Wetland / Fenland Creation LE 8.5 Ecology Pond (indicative symbol only) LE 8.6 Acid Grassland Soil Salvage LE 8.7 Nitrogen Deposition (NDEP) Compensation Area Noise (E 1) E 1.2 Acoustic Barrier-Built Elements (typically inc. Highway boundary fence) Water (E 2) Flood Compensation Areas (E 2-FCA) Flood Defence (E 2-FD)	Ecological (E 3) E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species E 3.2 Dormouse Boxes E 3.2 Bat Boxes E 3.2 Ecological Culvert E 3.2 Bat Barn Block E 3.2 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	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.5
Scale	1:1250		
Drawing Title	ENVIRONMENTAL MASTERPLAN SECTION 14 SHEET 5		
Drawing Number	HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00006		

HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00006.dwg



Contains Ordnance Survey data. © Crown copyright and database rights 2022. Ordnance Survey 100030649

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.

P01.5 SO 08/08/2022 LD

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-SZ-EN000000_Z-DR-ZZ-00001).

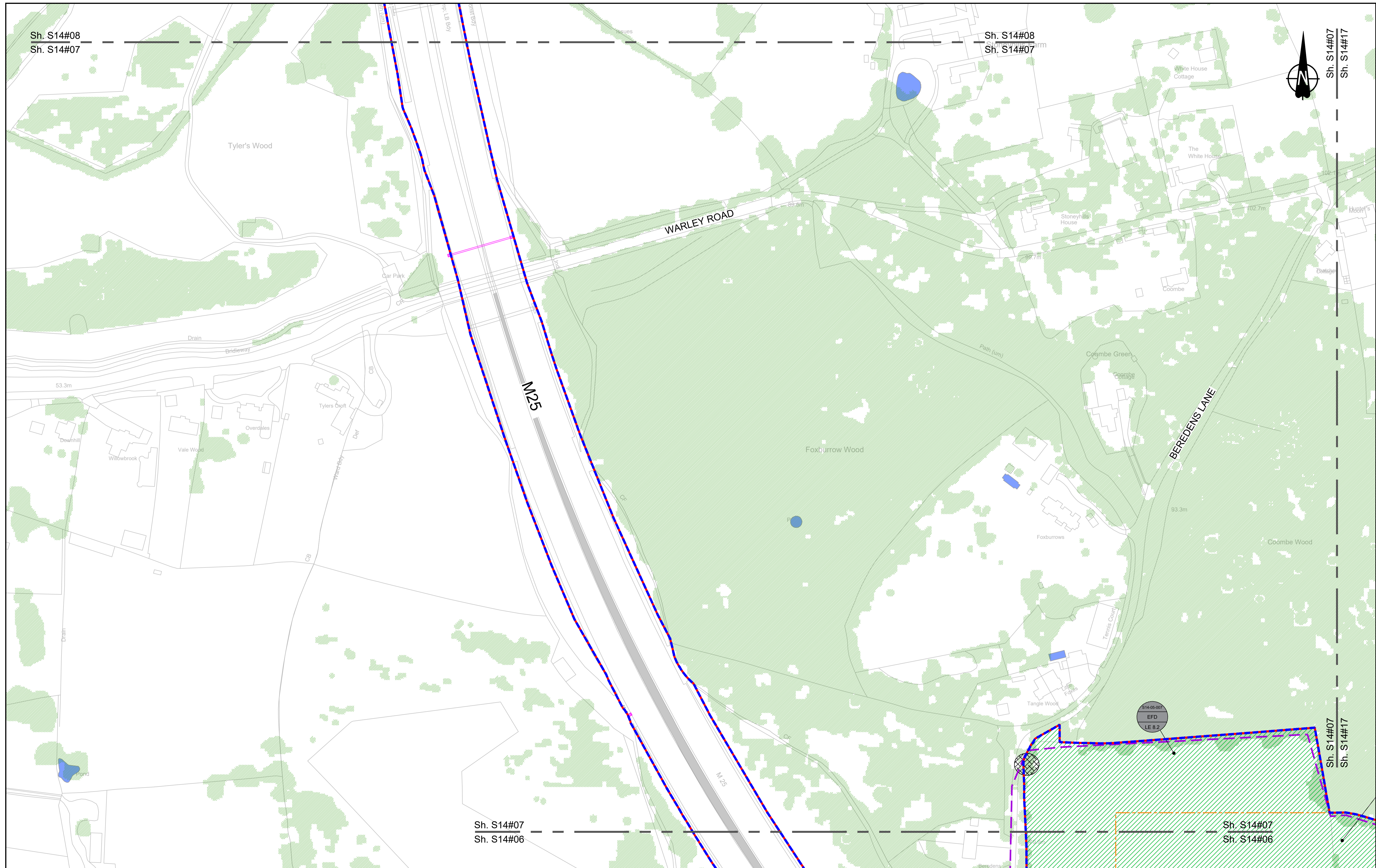
Order Limits	Planting (LE 2)	Individual Trees (LE 5)	Ecological Habitats (LE 8)	Noise (E 1)	Ecological (E 3)
Order Limits	LE 2.1 Woodland	LE 5.1 Individual Trees	LE 8.1 Open Mosaic Habitat	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
Permanent Acquisition of Land	LE 2.11 Woodland With Non-Native Species	LE 5.2 Scattered Trees	LE 8.2 Ancient Woodland Compensation Planting	E 1.2 Acoustic Barrier-Built Elements (Typically inc. Highway boundary fence)	E 3.2 Ecological Fencing (inc. highway boundary fence)
Grassland (LE 1)	LE 2.14 Wet / Carr Woodland	Wetland Habitats (LE 6)	LE 8.3 Woodland Mitigation Planting	Flood Compensation Areas (E 2-FCA)	E 3.2 Bat Boxes
LE 1.3 Species Rich Grassland	LE 2.2 Woodland Edge	LE 6.1 Marsh and Wet Grassland-Coastal Grazing Marsh	LE 8.4 Wetland / Fenland Creation	Flood Defence (E 2-FD)	E 3.2 Bat Barn Block
LE 1.31 Species Rich Chalk Grassland	LE 2.22 Scrub Woodland	LE 6.11 Water Bodies - Standing Water	LE 8.5 Ecology Pond (indicative symbol only)		
LE 1.32 Species Rich Annual Wildflower Grassland	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 6.21 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			
		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	P01.5
Scale	1:1250		
Drawing Title	ENVIRONMENTAL MASTERPLAN SECTION 14 SHEET 6		
Drawing Number	HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00007		

HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00007.dwg



Contains Ordnance Survey data. © Crown copyright and database rights 2022. Ordnance Survey 100030649

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).

<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 (untrimsed) LE 4.4 Native Hedgerow With Trees 	<p>Individual Trees (LE 5)</p> <ul style="list-style-type: none"> LE 5.1 Individual Trees <p>Wetland Habitats (LE 6)</p> <ul style="list-style-type: none"> LE 6.11 Water Bodies - Standing Water LE 6.12 Water Bodies and Associated Plants - Shallow Scrape LE 6.2 Banks and Ditches LE 6.21 Banks and Ditches - High Tide Roost Features 	<p>Wetland Habitats (LE 6)</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 7.4 Reinforced Earth Bund <p>Hard Landscape Features (LE 7)</p> <ul style="list-style-type: none"> LE 7.4 Reinforced Earth Bund <p>Earthworks</p> <ul style="list-style-type: none"> Proposed Contours 	<p>Ecological Habitats (LE 8)</p> <ul style="list-style-type: none"> LE 8.1 Open Mosaic Habitat LE 8.2 Ancient Woodland Compensation Planting LE 8.3 Woodland Mitigation Planting LE 8.4 Wetland / Fenland Creation LE 8.5 Ecology Pond (indicative symbol only) LE 8.6 Acid Grassland Soil Salvage 	<p>Noise (E 1)</p> <ul style="list-style-type: none"> E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence) <p>Water (E 2)</p> <ul style="list-style-type: none"> LE 8.7 Nitrogen Deposition (NDEP) Compensation Area Flood Compensation Areas (E 2-FCA) Flood Defence (E 2-FD) 	<p>Ecological (E 3)</p> <ul style="list-style-type: none"> E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species E 3.2 Dormouse Boxes E 3.2 Bat Boxes E 3.2 Ecological Culvert E 3.2 Bat Barn Block E 3.2 Ecological Fencing (inc. highway boundary fence) E 3.2 Barn Owl Box
--	---	--	--	--	---	--

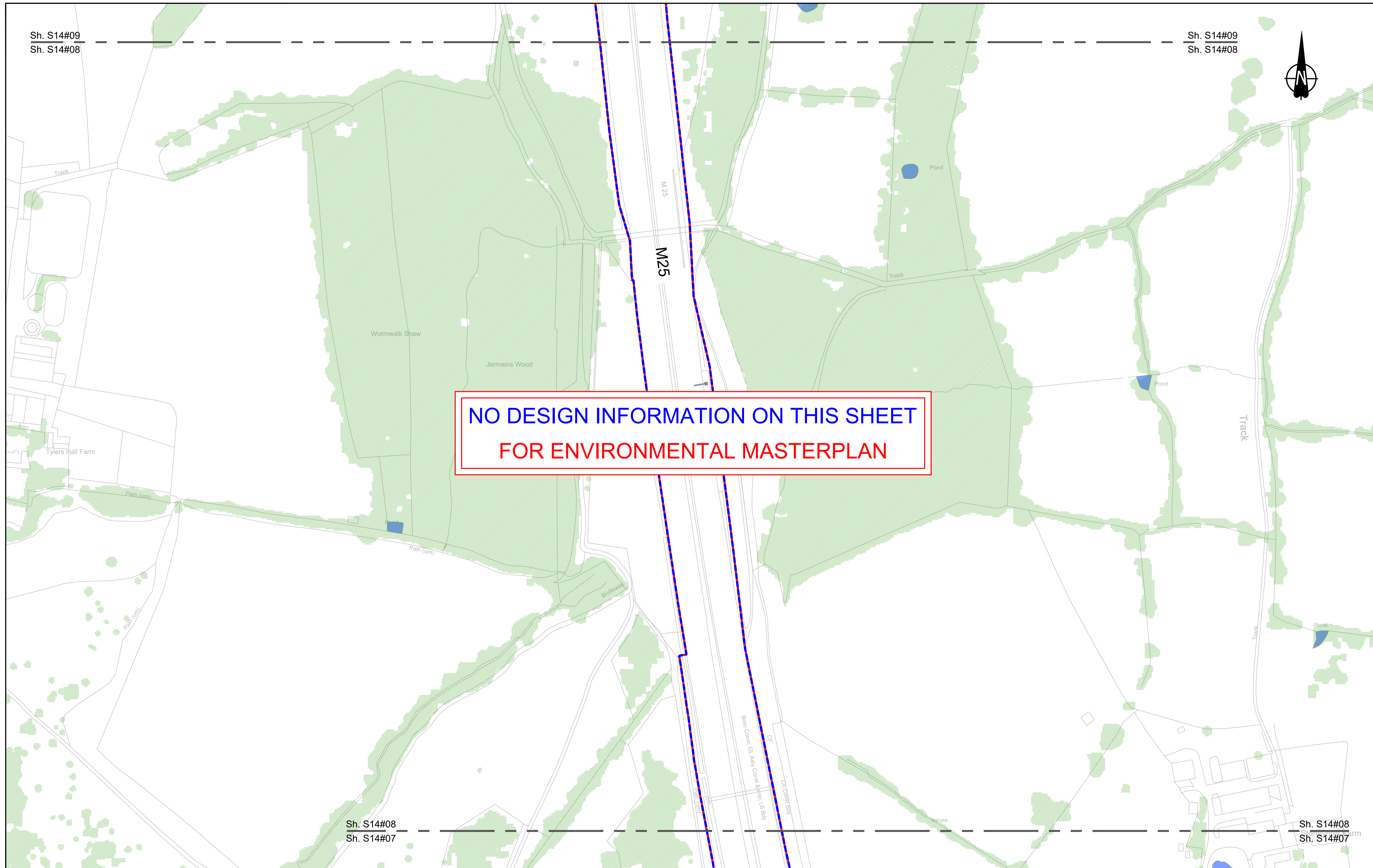
Client: **national highways**

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	ENVIRONMENTAL MASTERPLAN SECTION 14 SHEET 7		
Drawing Number	HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00008		

Sh. S14#09
Sh. S14#08

Sh. S14#09
Sh. S14#08



**NO DESIGN INFORMATION ON THIS SHEET
FOR ENVIRONMENTAL MASTERPLAN**

Sh. S14#08
Sh. S14#07

Sh. S14#08
Sh. S14#07

Contains Ordnance Survey data. © Crown copyright and database rights 2022. Ordnance Survey 100030649

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	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 Order Limits Permanent Acquisition of Land Grassland (LE 1) LE 1.3 Species Rich Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual Wildflower Grassland LE 1.4 Rock and Scree	Planting (LE 2) LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species LE 2.14 Wet / Carr Woodland LE 2.2 Woodland Edge LE 2.22 Scrub Woodland LE 2.4 Linear Belt of Shrubs and Trees LE 2.5 Shrubs With Intermittent Trees LE 2.7 Scattered Trees LE 2.8 Scrub / Scattered Scrub Hedges (LE 4) LE 4.3 Native Species Hedge (untrimm'd) LE 4.4 Native Hedgerow With Trees	Individual Trees (LE 5) LE 5.1 Individual Trees Wetland Habitats (LE 6) LE 6.11 Water Bodies - Standing Water LE 6.12 Water Bodies and Associated Plants - Shallow Scrape LE 6.2 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 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) E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence) Water (E 2) E 2.7 Nitrogen Deposition (NDEP) Compensation Area E 2.8 Flood Compensation Areas (E 2-FCA) E 2.9 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)
---	---	---	---	--

Client:

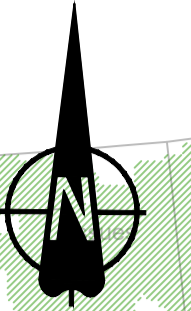
Project: LOWER THAMES CROSSING

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
FOR ENVIRONMENTAL MASTERPLAN

Sh. S14#09
Sh. S14#08

Sh. S14#09
Sh. S14#08

Contains Ordnance Survey data. © Crown copyright and database rights 2022. Ordnance Survey 100030649

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).

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

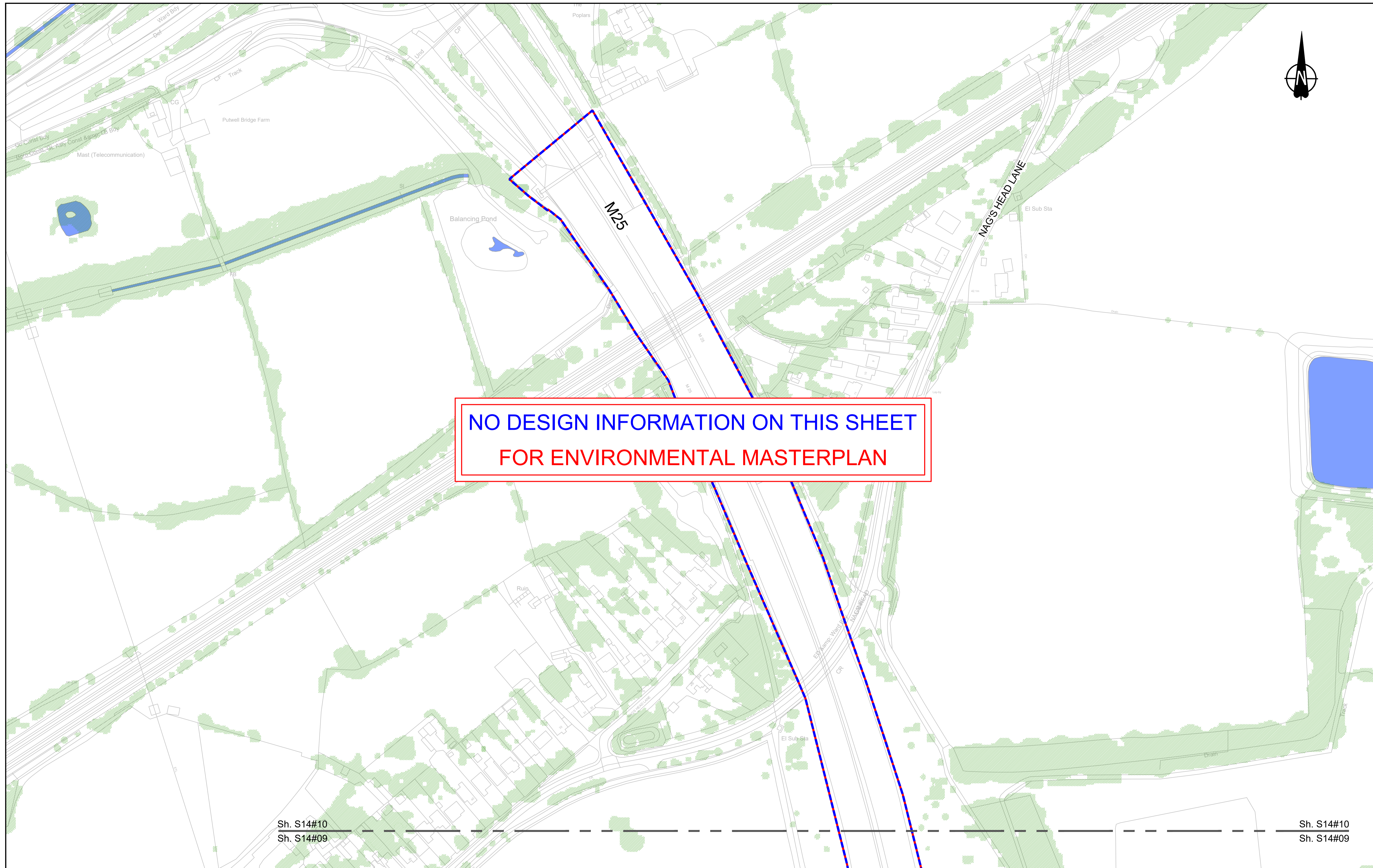
Ecological Habitats (LE 8)	Noise (E 1)	Ecological (E 3)
LE 8.1 Open Mosaic Habitat	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
LE 8.2 Ancient Woodland Compensation Planting	E 1.2 Acoustic Barrier-Built Elements (typically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

Ecological (E 3)	E 3.2 Barn Owl Box
E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species	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 9		
Drawing Number	HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00010		



NO DESIGN INFORMATION ON THIS SHEET
FOR ENVIRONMENTAL MASTERPLAN

Sh. S14#10
Sh. S14#09

Sh. S14#10
Sh. S14#09

Contains Ordnance Survey data. © Crown copyright and database rights 2022. Ordnance Survey 100039649

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

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

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

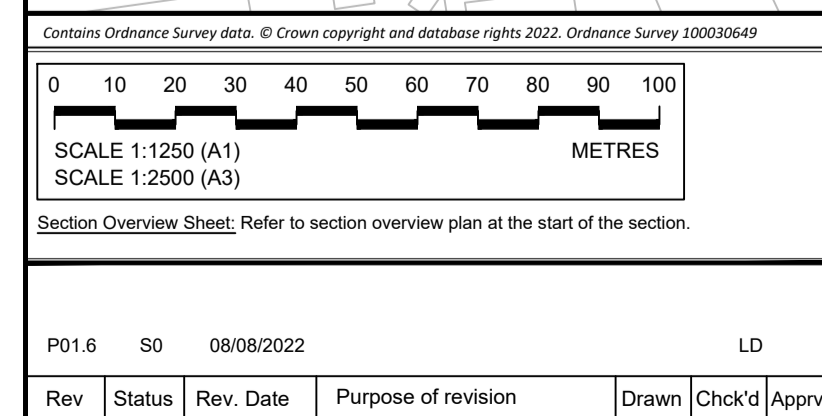
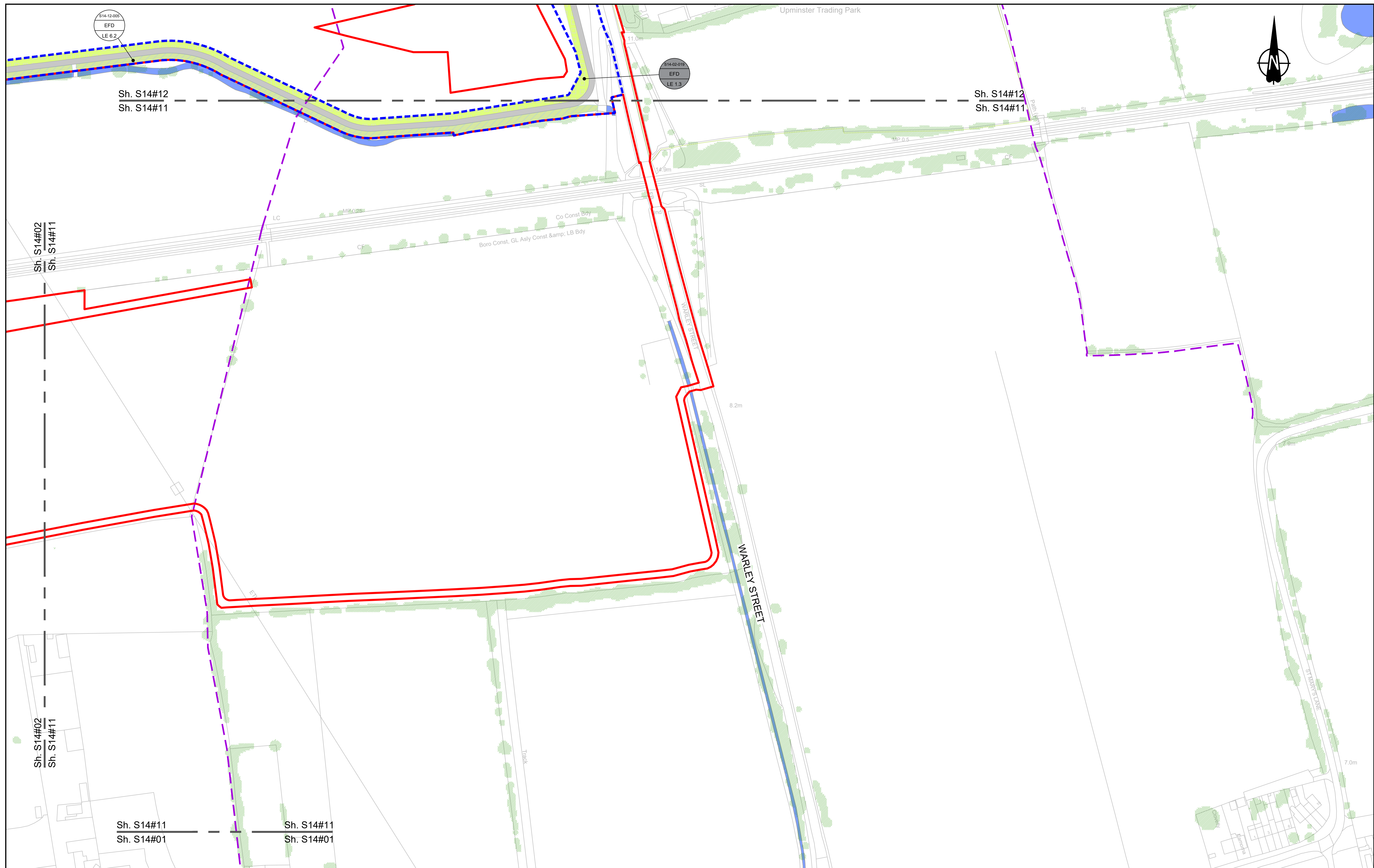
Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZ-EN000000_Z-DR-ZZ-00001).

<p>Order Limits</p> <ul style="list-style-type: none"> Permanent Acquisition of Land <p>Grassland (LE 1)</p> <ul style="list-style-type: none"> LE 1.3 Species Rich Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual Wildflower Grassland LE 1.4 Rock and Scree 	<p>Planting (LE 2)</p> <ul style="list-style-type: none"> LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species LE 2.14 Wet / Carr Woodland LE 2.2 Woodland Edge LE 2.22 Scrub Woodland LE 2.4 Linear Belt of Shrubs and Trees <p>Hedges (LE 4)</p> <ul style="list-style-type: none"> LE 4.3 Native Species Hedge (untrimmed) LE 4.4 Native Hedgerow With Trees 	<p>Individual Trees (LE 5)</p> <ul style="list-style-type: none"> LE 5.1 Individual Trees <p>Wetland Habitats (LE 6)</p> <ul style="list-style-type: none"> LE 6.11 Water Bodies - Standing Water LE 6.12 Water Bodies and Associated Plants - Shallow Scrape LE 6.2 Banks and Ditches LE 6.21 Banks and Ditches - High Tide Roost Features <p>Hard Landscape Features (LE 7)</p> <ul style="list-style-type: none"> LE 7.4 Reinforced Earth Band <p>Earthworks</p> <ul style="list-style-type: none"> Proposed Contours 	<p>Ecological Habitats (LE 8)</p> <ul style="list-style-type: none"> LE 8.1 Open Mosaic Habitat LE 8.2 Ancient Woodland Compensation Planting LE 8.3 Woodland Mitigation Planting LE 8.4 Wetland / Fenland Creation LE 8.5 Ecology Pond (indicative symbol only) LE 8.6 Acid Grassland Soil Salvage 	<p>Ecological (E 3)</p> <ul style="list-style-type: none"> E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species E 3.2 Dormouse Boxes E 3.2 Bat Boxes E 3.2 Ecological Culvert E 3.2 Bat Barn Block E 3.2 Bat Barn Owl Box E 3.2 Ecological Fencing (inc. highway boundary fence) 	<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>LE 8.7 Nitrogen Deposition (NDEP) Compensation Area</p> <p>LE 8.8 Nitrogen Deposition (NDEP) Compensation Area</p>
--	---	---	--	--	--	---

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 10		
Drawing Number	HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00011		



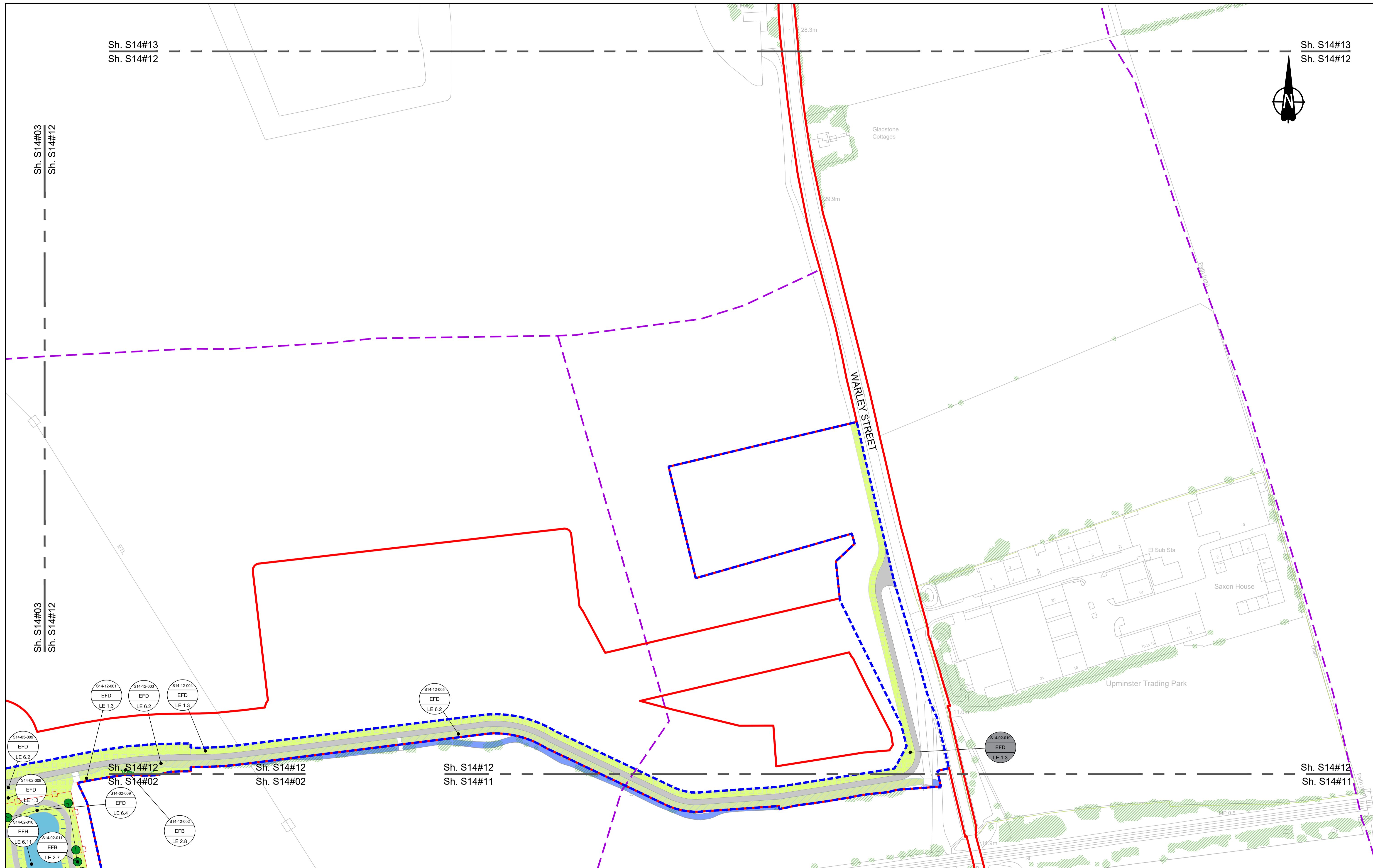
Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

Order Limits - Red solid line - Blue dashed line	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 6.11 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	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	Hard Landscape Features (LE 7) - LE 7.4 Reinforced Earth Bund	Earthworks - Proposed Contours	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 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 14 SHEET 11		
Drawing Number: HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00012		



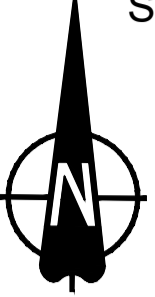
Sh. S14#13
Sh. S14#12

Sh. S14#13
Sh. S14#12

Sh. S14#03
Sh. S14#12

Sh. S14#03
Sh. S14#12

Sh. S14#12
Sh. S14#11



Contains Ordnance Survey data. © Crown copyright and database rights 2022. Ordnance Survey 100039649

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	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-000011).

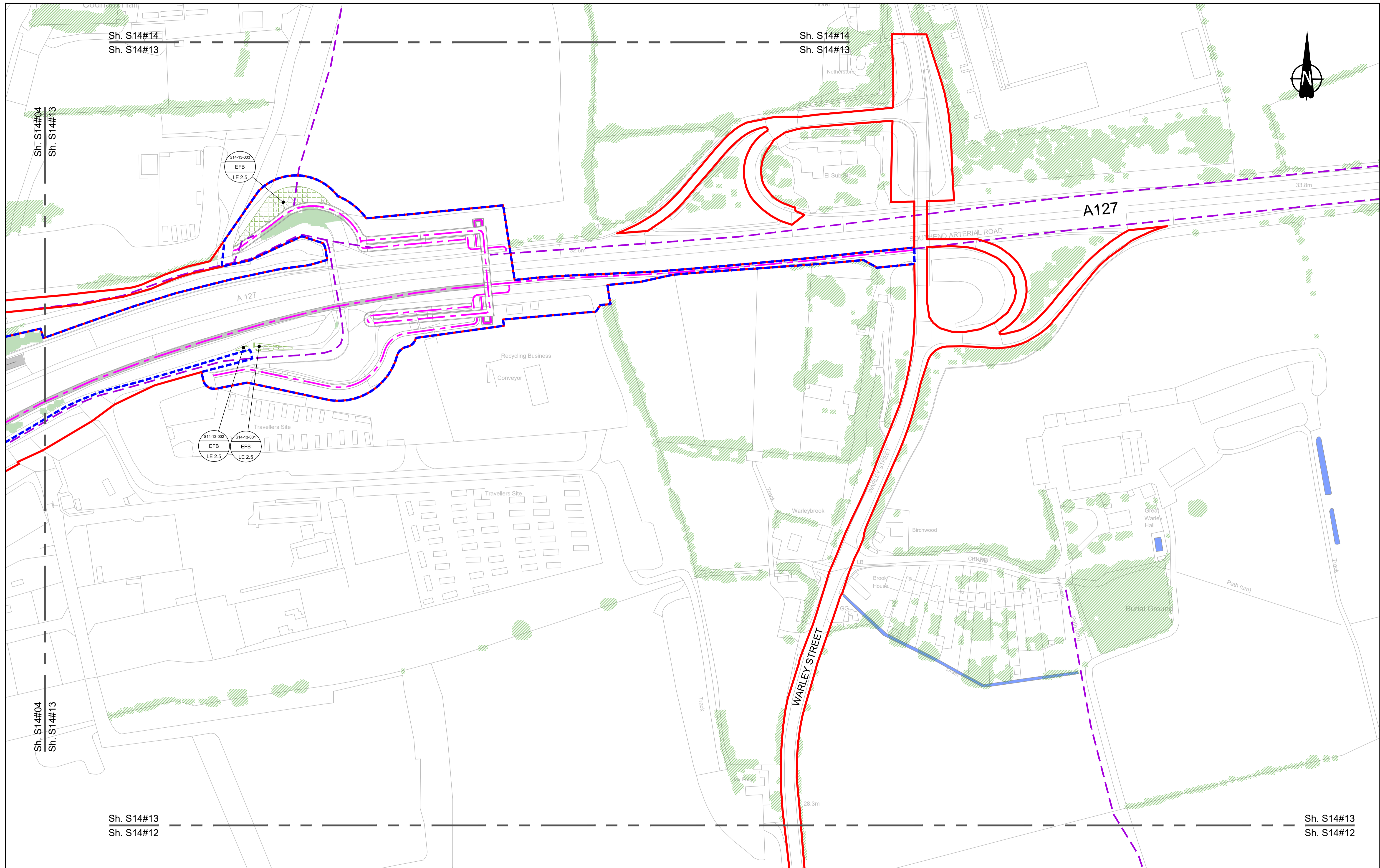
<p>Order Limits</p> <ul style="list-style-type: none"> Permanent Acquisition of Land <p>Grassland (LE 1)</p> <ul style="list-style-type: none"> LE 1.3 Species Rich Chalk Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual Wildflower Grassland LE 1.4 Rock and Scree 	<p>Planting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

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	ENVIRONMENTAL MASTERPLAN SECTION 14 SHEET 12		
Drawing Number	HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00013		

HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00013.dwg



Contains Ordnance Survey data. © Crown copyright and database rights 2022. Ordnance Survey 100030649

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).

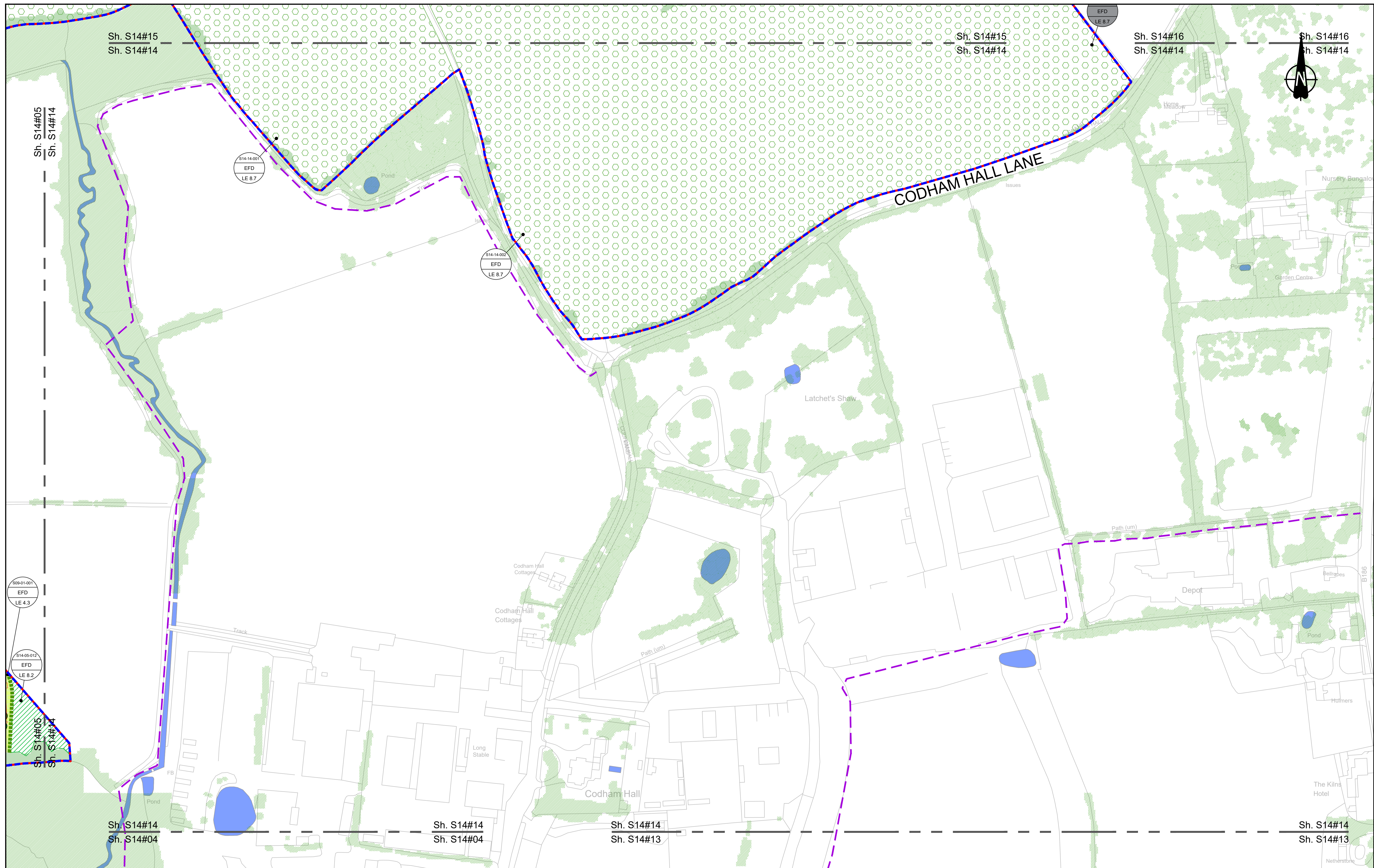
<p>Order Limits</p> <ul style="list-style-type: none"> Order Limits Permanent Acquisition of Land <p>Grassland (LE 1)</p> <ul style="list-style-type: none"> LE 1.3 Species Rich Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual Wildflower Grassland LE 1.4 Rock and Scree 	<p>Planting (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>Shrubs With Intermittent Trees</p> <ul style="list-style-type: none"> LE 2.5 Shrubs With Intermittent Trees <p>Scattered Trees</p> <ul style="list-style-type: none"> LE 2.7 Scattered Trees <p>Scrub / Scattered Scrub</p> <ul style="list-style-type: none"> LE 2.8 Scrub / Scattered Scrub <p>Hedges (LE 4)</p> <ul style="list-style-type: none"> LE 4.3 Native Species Hedge (untrimsed) LE 4.4 Native Hedgerow With Trees 	<p>Individual Trees (LE 5)</p> <ul style="list-style-type: none"> LE 5.1 Individual Trees <p>Wetland Habitats (LE 6)</p> <ul style="list-style-type: none"> LE 6.11 Water Bodies - Standing Water LE 6.12 Water Bodies and Associated Plants - Shallow Scrape LE 6.2 Banks and Ditches LE 6.21 Banks and Ditches - High Tide Root Features <p>Wet Grassland</p> <ul style="list-style-type: none"> LE 6.4 Wet Grassland <p>Marsh and Wet Grassland - Coastal Grazing Marsh</p> <ul style="list-style-type: none"> LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh <p>Hard Landscape Features (LE 7)</p> <ul style="list-style-type: none"> LE 7.4 Reinforced Earth Bund <p>Earthworks</p> <ul style="list-style-type: none"> Proposed Contours 	<p>Ecological Habitats (LE 8)</p> <ul style="list-style-type: none"> LE 8.1 Open Mosaic Habitat LE 8.2 Ancient Woodland Compensation Planting LE 8.3 Woodland Mitigation Planting LE 8.4 Wetland / Fenland Creation LE 8.5 Ecology Pond (indicative symbol only) LE 8.6 Acid Grassland Soil Salvage <p>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) 	<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) LE 8.7 Nitrogen Deposition (NDEP) Compensation Area
--	--	---	---	---

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
Drawing Title	ENVIRONMENTAL MASTERPLAN SECTION 14 SHEET 13		
Drawing Number	HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00014		
Scale: 1:1250			

HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00014.dwg



Contains Ordnance Survey data. © Crown copyright and database rights 2022. Ordnance Survey 100030649

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	SD	08/08/2022				LD

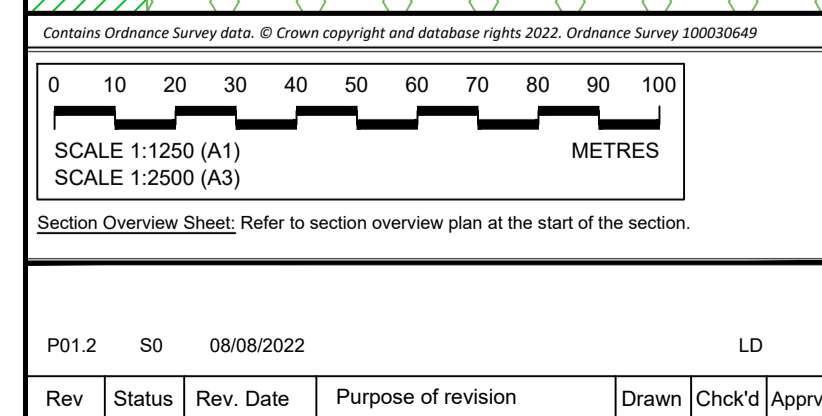
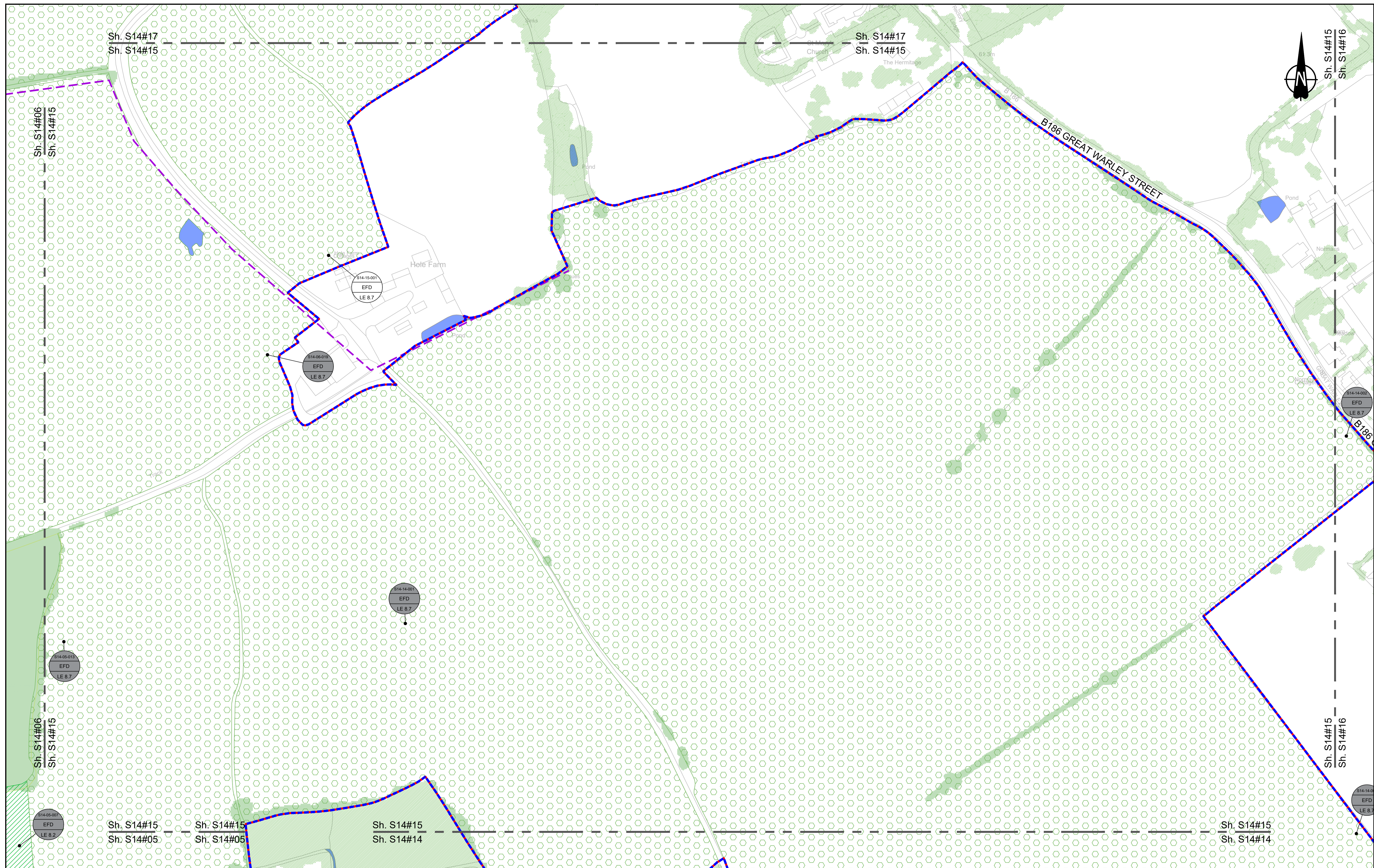
Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZ, EN000000_Z-DR-ZZ-00001).

<p>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 Chalk 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 (untrimsed) LE 4.4 Native Hedgerow With Trees 	<p>Individual Trees (LE 5)</p> <ul style="list-style-type: none"> LE 5.1 Individual Trees <p>Wetland Habitats (LE 6)</p> <ul style="list-style-type: none"> LE 6.11 Water Bodies - Standing Water LE 6.12 Water Bodies and Associated Plants - Shallow Scrape LE 6.2 Banks and Ditches LE 6.21 Banks and Ditches - High Tide Roost Features 	<p>Ecological Habitats (LE 8)</p> <ul style="list-style-type: none"> LE 8.1 Open Mosaic Habitat LE 8.2 Ancient Woodland Compensation Planting LE 8.3 Woodland Mitigation Planting LE 8.4 Wetland / Fenland Creation LE 8.5 Ecology Pond (indicative symbol only) LE 8.6 Acid Grassland Soil Salvage <p>Hard Landscape Features (LE 7)</p> <ul style="list-style-type: none"> LE 7.4 Reinforced Earth Bund <p>Earthworks</p> <ul style="list-style-type: none"> Proposed Contours 	<p>Noise (E 1)</p> <ul style="list-style-type: none"> LE 8.7 Nitrogen Deposition (NDEP) Compensation Area E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence) <p>Water (E 2)</p> <ul style="list-style-type: none"> Flood Compensation Areas (E 2-FCA) Flood Defence (E 2-FD) 	<p>Ecological (E 3)</p> <ul style="list-style-type: none"> E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species E 3.2 Dormouse Boxes E 3.2 Bat Boxes E 3.2 Ecological Culvert E 3.2 Bat Barn Block <p>E 3.2 Barn Owl Box</p> <ul style="list-style-type: none"> E 3.2 Ecological Fencing (inc. highway boundary fence)
--	---	--	---	---	--

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
Drawing Title	ENVIRONMENTAL MASTERPLAN SECTION 14 SHEET 14		
Drawing Number	HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00015		



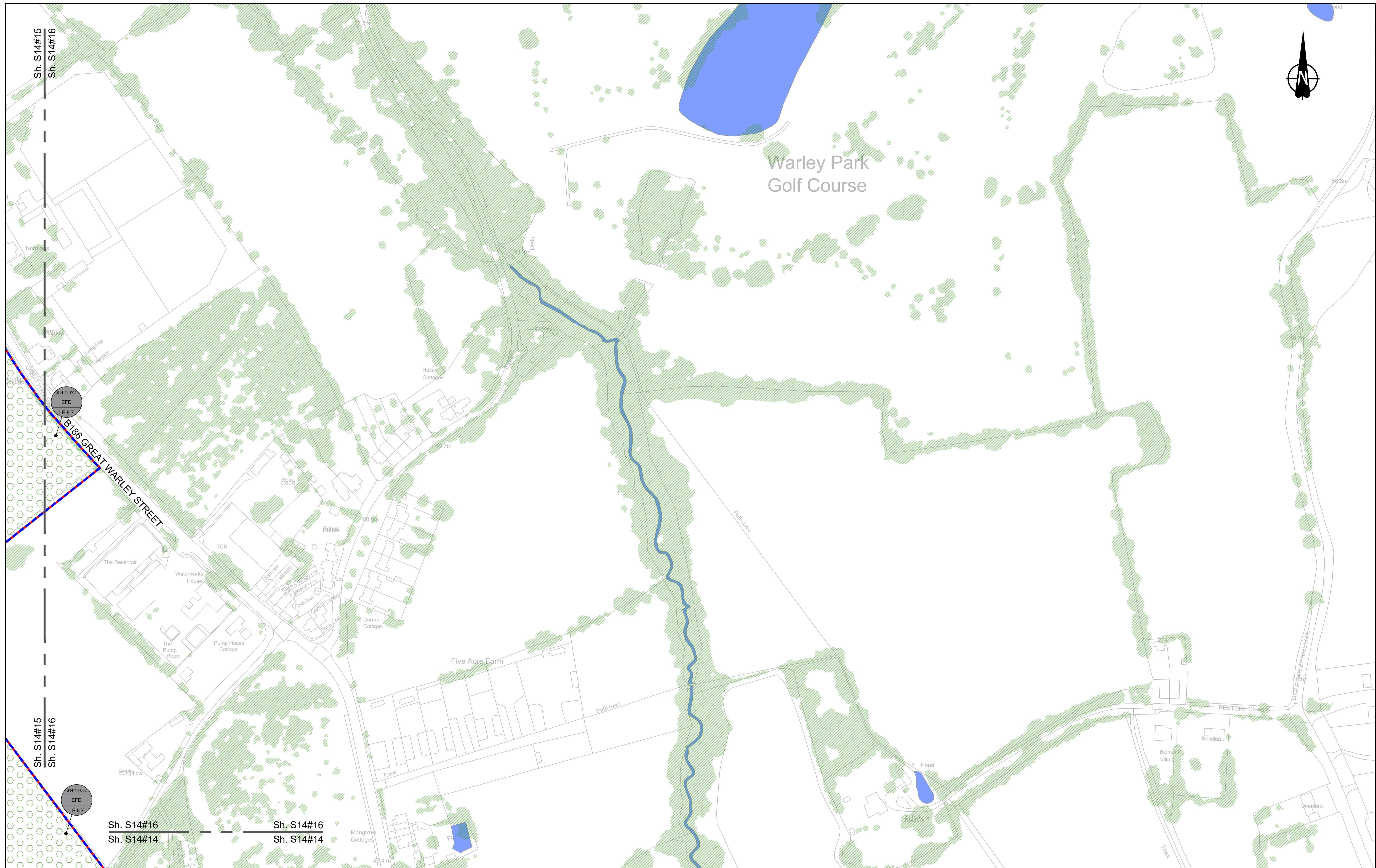
Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

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 2.4 Linear Belt of Shrubs and Trees	Individual Trees (LE 5) LE 5.1 Individual Trees	Wetland Habitats (LE 6) LE 6.11 Water Bodies - Standing Water LE 6.12 Water Bodies and Associated Plants - Shallow Scrape LE 6.2 Banks and Ditches LE 6.21 Banks and Ditches - High Tide Root Features	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)	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	Water (E 2) Flood Compensation Areas (E 2-FCA) Flood Defence (E 2-FD)	Hard Landscape Features (LE 7) LE 6.4 Marsh and Wet Grassland - Coastal Grazing Marsh LE 7.4 Reinforced Earth Bund	Earthworks Proposed Contours	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: P01.2
Application Document Number: TR010032/APP/6.2	Scale: 1:1250	
Drawing Title: ENVIRONMENTAL MASTERPLAN SECTION 14 SHEET 15		
Drawing Number: HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00016		



Contains Ordnance Survey data. © Crown copyright and database rights 2022. Ordnance Survey 100039649

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-SZ4_EN000000_Z-DR-ZZ-00001).

Order Limits	Planting (LE 2)	Individual Trees (LE 5)	Ecological Habitats (LE 8)	Noise (E 1)	Ecological (E 3)
<ul style="list-style-type: none"> Order Limits Permanent Acquisition of Land 	<ul style="list-style-type: none"> LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species LE 2.14 Wet / Carr Woodland LE 2.2 Woodland Edge LE 2.22 Scrub Woodland LE 2.4 Linear Belt of Shrubs and Trees 	<ul style="list-style-type: none"> LE 5.1 Individual Trees LE 5.11 Water Bodies - Standing Water LE 5.12 Water Bodies and Associated Plants - Shallow Scapes LE 5.2 Banks and Ditches LE 5.21 Banks and Ditches - High Tide Roost Features 	<ul style="list-style-type: none"> LE 6.1 Wet Grassland LE 6.4 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.41 Ancient Woodland Compensation Planting LE 6.3 Woodland Mitigation Planting LE 6.4 Wetland / Fenland Creation LE 6.2 Banks and Ditches LE 6.21 Banks and Ditches - High Tide Roost Features LE 6.6 Acid Grassland Soil Salvage 	<ul style="list-style-type: none"> LE 8.7 Nitrogen Deposition (NDEP) Compensation Area E 1.2 Acoustic Barrier-Built Elements (Typically inc. Highway boundary fence) Flood Compensation Areas (E 2-FCA) Flood Defence (E 2-FD) 	<ul style="list-style-type: none"> E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species E 3.2 Dormouse Boxes E 3.2 Bat Boxes E 3.2 Ecological Culvert E 3.2 Bat Barn Block E 3.2 Ecological Fencing (inc. highway boundary fence) E 3.2 Barn Owl Box
<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> LE 2.5 Shrubs With Intermittent Trees LE 2.7 Scattered Trees LE 2.8 Scrub / Scattered Scrub Hedges (LE 4) LE 4.3 Native Species Hedge (untrimmed) LE 4.4 Native Hedgerow With Trees 	<ul style="list-style-type: none"> LE 6.11 Wet Grassland LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.3 Woodland Mitigation Planting LE 6.4 Wetland / Fenland Creation LE 6.2 Banks and Ditches LE 6.21 Banks and Ditches - High Tide Roost Features LE 6.6 Acid Grassland Soil Salvage 	<ul style="list-style-type: none"> E 1.2 Acoustic Barrier-Built Elements (Typically inc. Highway boundary fence) Flood Compensation Areas (E 2-FCA) Flood Defence (E 2-FD) 	<ul style="list-style-type: none"> E 3.2 Ecological 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 	
<ul style="list-style-type: none"> Hard Landscape Features (LE 7) LE 7.4 Reinforced Earth Bund Earthworks Proposed Contours 	<ul style="list-style-type: none"> LE 2.5 Shrubs With Intermittent Trees LE 2.7 Scattered Trees LE 2.8 Scrub / Scattered Scrub Hedges (LE 4) LE 4.3 Native Species Hedge (untrimmed) LE 4.4 Native Hedgerow With Trees 	<ul style="list-style-type: none"> LE 6.11 Wet Grassland LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.3 Woodland Mitigation Planting LE 6.4 Wetland / Fenland Creation LE 6.2 Banks and Ditches LE 6.21 Banks and Ditches - High Tide Roost Features LE 6.6 Acid Grassland Soil Salvage 	<ul style="list-style-type: none"> E 1.2 Acoustic Barrier-Built Elements (Typically inc. Highway boundary fence) Flood Compensation Areas (E 2-FCA) Flood Defence (E 2-FD) 	<ul style="list-style-type: none"> E 3.2 Ecological 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 	

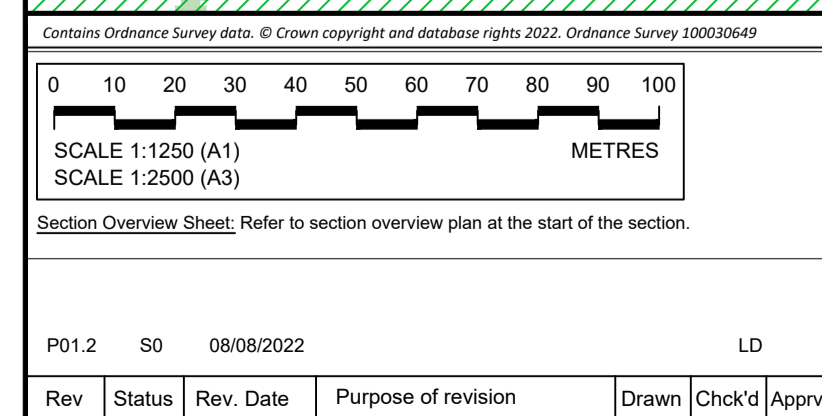
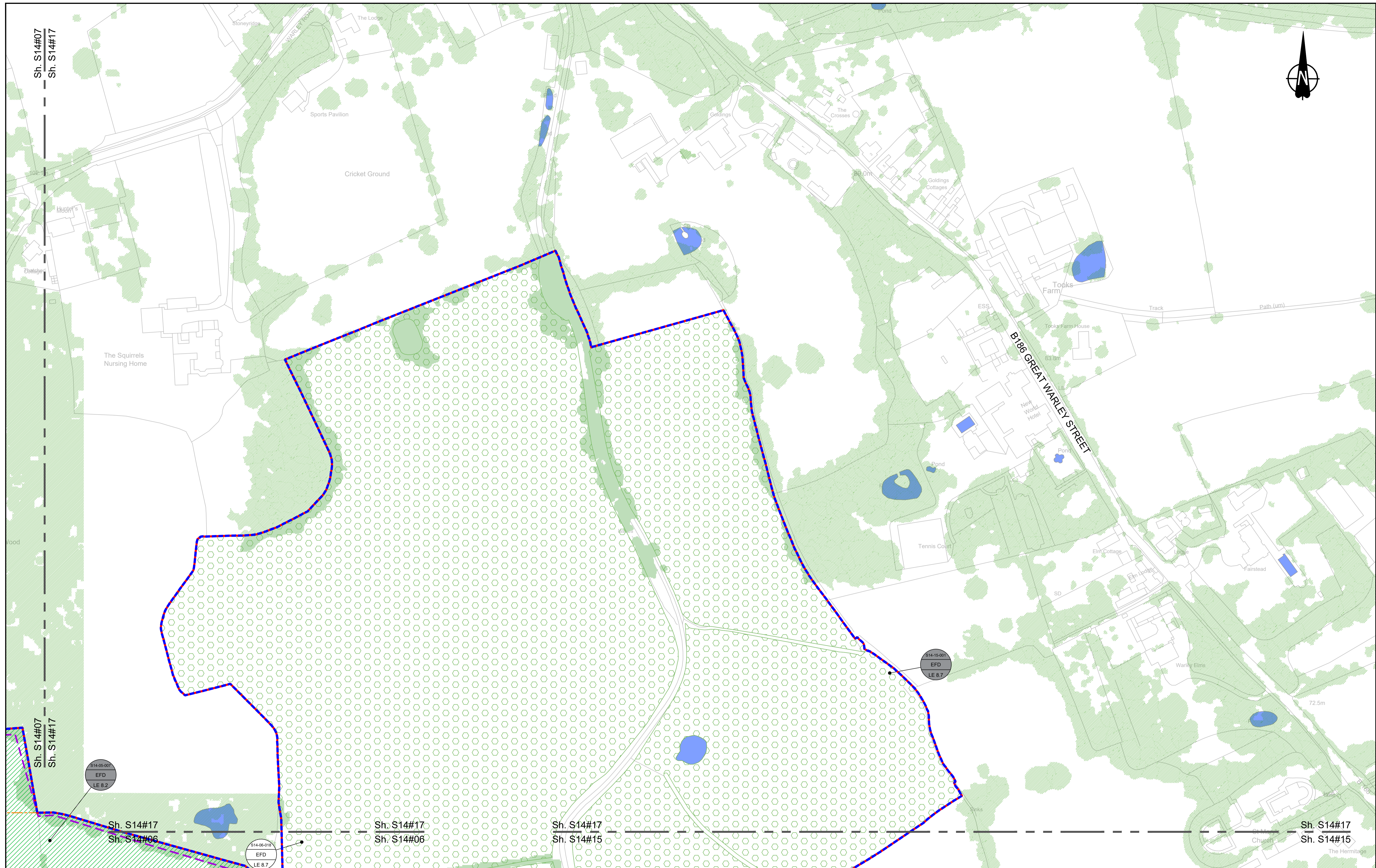
Client: national highways

Project: LOWER THAMES CROSSING

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

Scale: 1:2500 (A3)

HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00017.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)	LE 2.5 Shrubs With Intermittent Trees	Individual Trees (LE 5)	Ecological Habitats (LE 8)	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	Ecological (E 3)	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species	E 3.2 Barn Owl Box
Permanent Acquisition of Land	LE 2.1 Woodland	LE 2.7 Scattered Trees	LE 5.1 Individual Trees	LE 8.1 Open Mosaic Habitat	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 3.2 Dormouse Boxes	E 3.2 Ecological Fencing (inc. highway boundary fence)	
Grassland (LE 1)	LE 2.11 Woodland With Non-Native Species	LE 2.8 Scrub / Scattered Scrub	Wetland Habitats (LE 6)	LE 8.2 Ancient Woodland Compensation Planting	Water (E 2)	E 3.2 Bat Boxes		
LE 1.3 Species Rich Grassland	LE 2.14 Wet / Carr Woodland	Hedges (LE 4)	LE 6.11 Water Bodies - Standing Water	LE 8.3 Woodland Mitigation Planting	Flood Compensation Areas (E 2-FCA)	E 3.2 Ecological Culvert		
LE 1.31 Species Rich Chalk Grassland	LE 2.2 Woodland Edge	LE 4.3 Native Species Hedge (untrimmed)	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape	LE 8.4 Wetland / Fenland Creation	Flood Defence (E 2-FD)	E 3.2 Bat Barn Block		
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.22 Scrub Woodland	LE 4.4 Native Hedgerow With Trees	LE 6.2 Banks and Ditches	LE 8.5 Ecology Pond (indicative symbol only)				
LE 1.4 Rock and Scree	LE 2.4 Linear Belt of Shrubs and Trees		LE 6.21 Banks and Ditches - High Tide Roost Features	LE 8.6 Acid Grassland Soil Salvage				

LE 2.5 Shrubs With Intermittent Trees	LE 6.4 Wet Grassland	LE 7.4 Reinforced Earth Bund	Earthworks
LE 2.7 Scattered Trees	LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 7.4 Reinforced Earth Bund	Proposed Contours
LE 2.8 Scrub / Scattered Scrub	LE 6.2 Banks and Ditches	LE 7.4 Reinforced Earth Bund	
Hedges (LE 4)	LE 6.21 Banks and Ditches - High Tide Roost Features		
LE 4.3 Native Species Hedge (untrimmed)			
LE 4.4 Native Hedgerow With Trees			

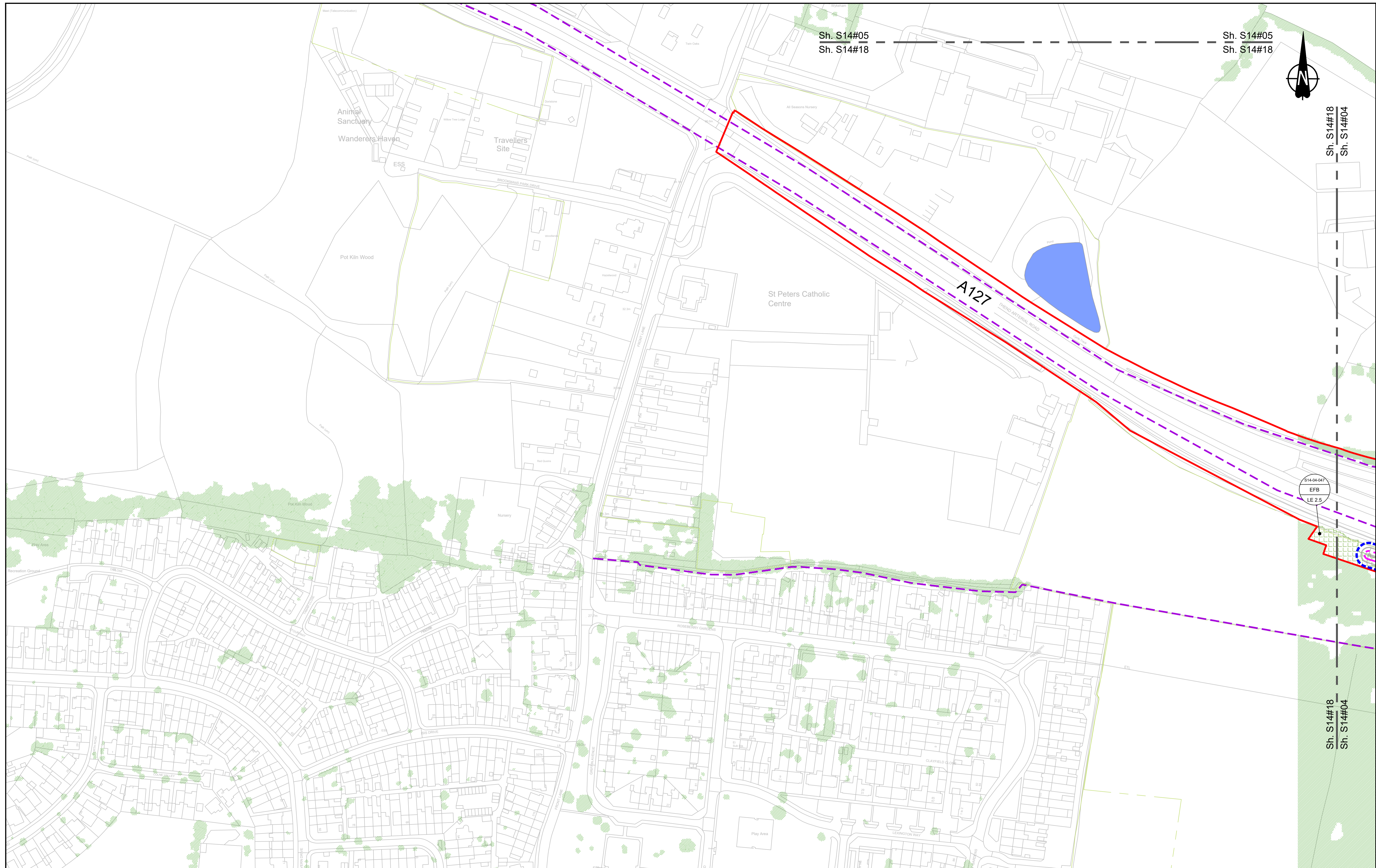
LE 6.11 Water Bodies - Standing Water	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape	LE 6.2 Banks and Ditches	LE 6.21 Banks and Ditches - High Tide Roost Features
LE 6.12 Water Bodies and Associated Plants - Shallow Scrape	LE 6.2 Banks and Ditches	LE 6.21 Banks and Ditches - High Tide Roost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

LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 2.2 Flood Compensation Areas (E 2-FCA)	E 2.2 Flood Defence (E 2-FD)
E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species	E 3.2 Ecological Culvert	E 3.2 Bat Barn Block
E 2.2 Flood Compensation Areas (E 2-FCA)	E 3.2 Ecological Fencing (inc. highway boundary fence)	E 3.2 Ecological Culvert	E 3.2 Bat Barn Block
E 2.2 Flood Defence (E 2-FD)	E 3.2 Ecological Fencing (inc. highway boundary fence)	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: P01.2
Application Document Number: TR010032/APP/6.2	Scale:	
Drawing Title: ENVIRONMENTAL MASTERPLAN SECTION 14 SHEET 17		
Drawing Number: HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00018		
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

A127
TRENCH ARTERIAL ROAD

S14-04-047
EFB
LE 2.5

Contains Ordnance Survey data. © Crown copyright and database rights 2022. Ordnance Survey 100030649

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	SO	08/08/2022				LD

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

<p>Order Limits</p> <ul style="list-style-type: none"> Permanent Acquisition of Land <p>Grassland (LE 1)</p> <ul style="list-style-type: none"> LE 1.3 Species Rich Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual Wildflower Grassland LE 1.4 Rock and Scree 	<p>Planting (LE 2)</p> <ul style="list-style-type: none"> LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species LE 2.14 Wet / Carr Woodland LE 2.2 Woodland Edge LE 2.22 Scrub Woodland LE 2.4 Linear Belt of Shrubs and Trees <p>Hedges (LE 4)</p> <ul style="list-style-type: none"> LE 4.3 Native Species Hedge (untrimmed) LE 4.4 Native Hedgerow With Trees 	<p>Individual Trees (LE 5)</p> <ul style="list-style-type: none"> LE 5.1 Individual Trees <p>Wetland Habitats (LE 6)</p> <ul style="list-style-type: none"> LE 6.11 Water Bodies - Standing Water LE 6.12 Water Bodies and Associated Plants - Shallow Scrape LE 6.2 Banks and Ditches LE 6.21 Banks and Ditches - High Tide Roost 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 / Fenland Creation LE 8.5 Ecology Pond (indicative symbol only) LE 8.6 Acid Grassland Soil Salvage <p>Ecological (E 3)</p> <ul style="list-style-type: none"> E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species E 3.2 Dormouse Boxes E 3.2 Bat Boxes E 3.2 Ecological Culvert E 3.2 Bat Barn Block 	<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 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	P01.3
Scale			
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 14 SHEET 18		
Drawing Number	HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00019		

HE540039-CJV-EGN-S14_EN000000_Z-DR-ZZ-00019.dwg

If you need help accessing this or any other National Highways information, please call **0300 123 5000** and we will help you.

© Crown copyright 2022.

You may re-use this information (not including logos) free of charge in any format or medium, under the terms of the Open Government Licence. To view this licence:

visit www.nationalarchives.gov.uk/doc/open-government-licence/

write to the **Information Policy Team, The National Archives, Kew, London TW9 4DU**, or email psi@nationalarchives.gsi.gov.uk.

Mapping (where present): © Crown copyright and database rights 2022 OS 100030649. You are permitted to use this data solely to enable you to respond to, or interact with, the organisation that provided you with the data. You are not permitted to copy, sub-license, distribute or sell any of this data to third parties in any form.

If you have any enquiries about this publication email info@nationalhighways.co.uk or call **0300 123 5000***.

*Calls to 03 numbers cost no more than a national rate call to an 01 or 02 number and must count towards any inclusive minutes in the same way as 01 and 02 calls. These rules apply to calls from any type of line including mobile, BT, other fixed line or payphone. Calls may be recorded or monitored.

Printed on paper from well-managed forests and other controlled sources when issued directly by National Highways.

Registered office Bridge House, 1 Walnut Tree Close, Guildford GU1 4LZ

National Highways Company Limited registered in England and Wales number 09346363