

## Lower Thames Crossing

### 6.2 Environmental Statement Figures Figure 2.4 - Environmental Masterplan Section 2 (2 of 10) (Clean 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

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# 1 Environmental Masterplan: Section 2

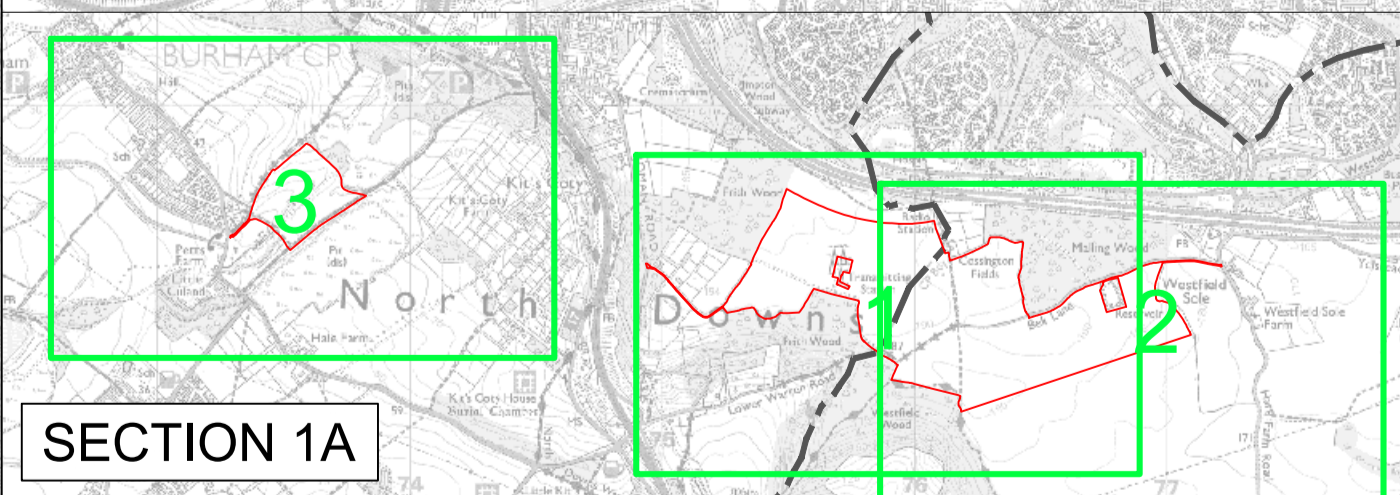
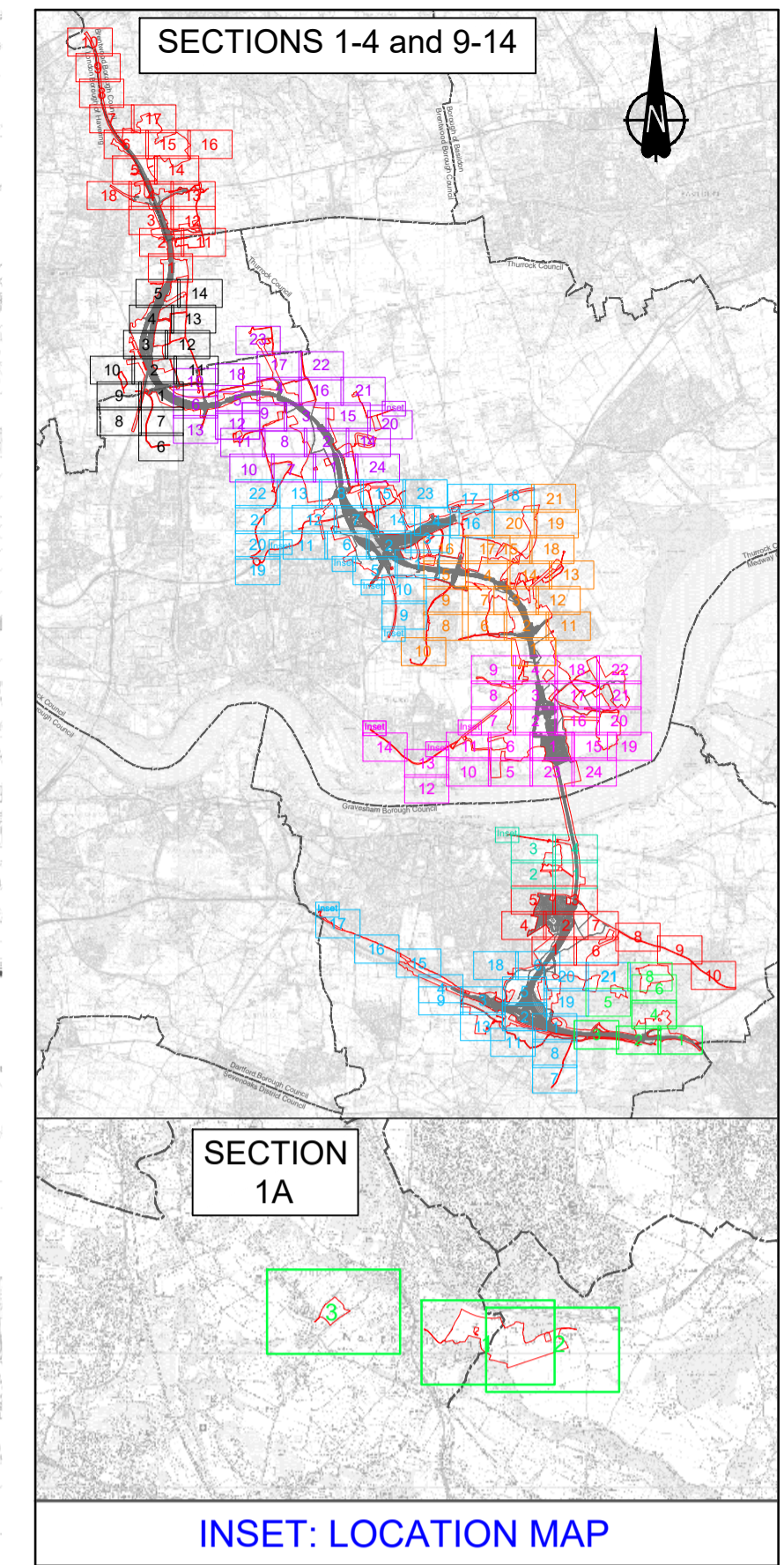
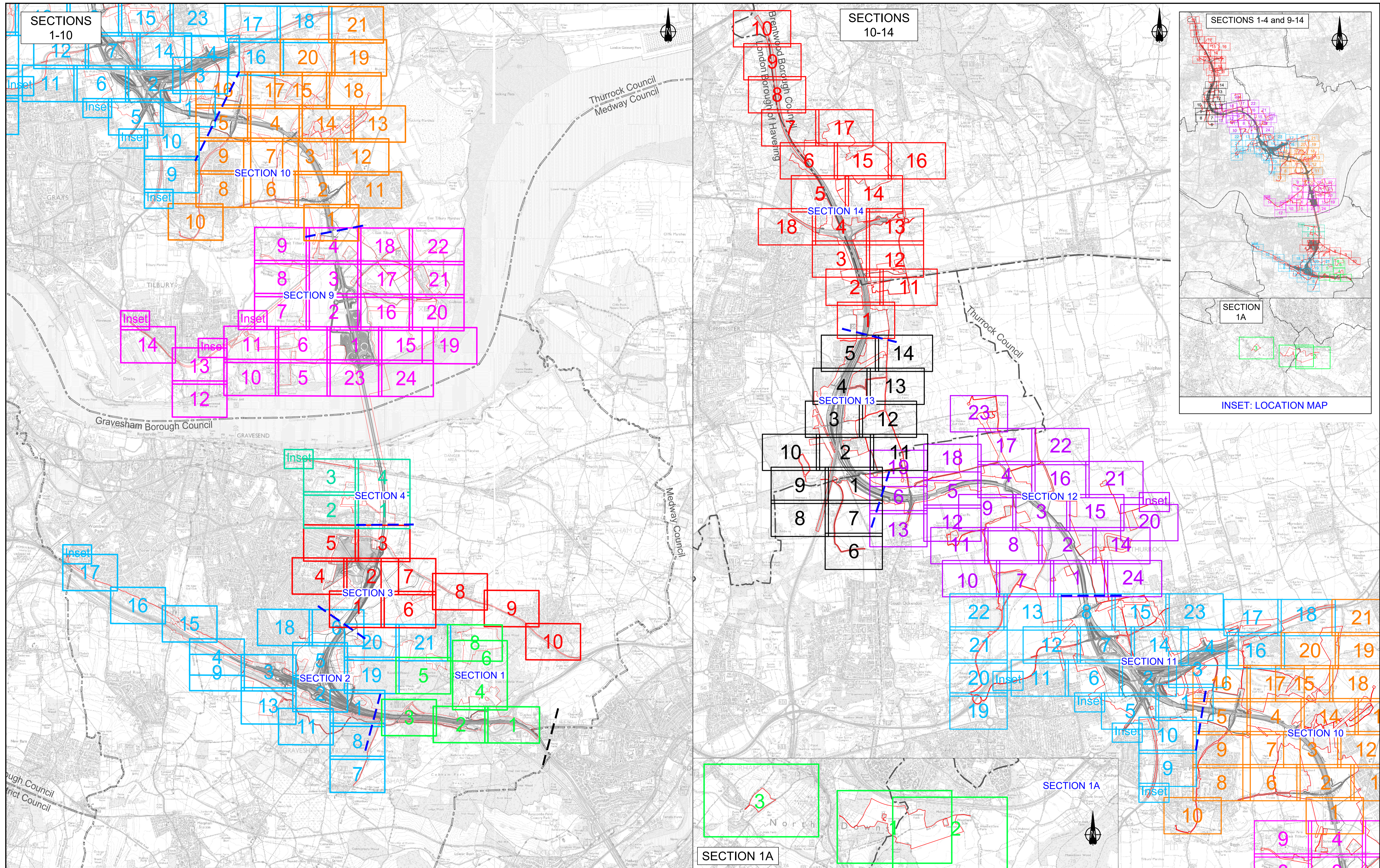
## 1.1 Schedule of Plans included in this application document

## 1.2 Section 2 (Sheets 1-21)

HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ- 00001 – Section 2 Overview	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ- 00002 - Section 2 Sheet 1	TR010032/APP/6.2	P02
HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ- 00003 - Section 2 Sheet 2	TR010032/APP/6.2	P02
HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ- 00004 - Section 2 Sheet 3	TR010032/APP/6.2	P02
HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ- 00005 - Section 2 Sheet 4	TR010032/APP/6.2	P01.4
HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ- 00006 - Section 2 Sheet 5	TR010032/APP/6.2	P02
HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ- 00007 - Section 2 Sheet 6	TR010032/APP/6.2	P06
HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ- 00008 - Section 2 Sheet 7	TR010032/APP/6.2	P01.5
HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ- 00009 - Section 2 Sheet 8	TR010032/APP/6.2	P01.4

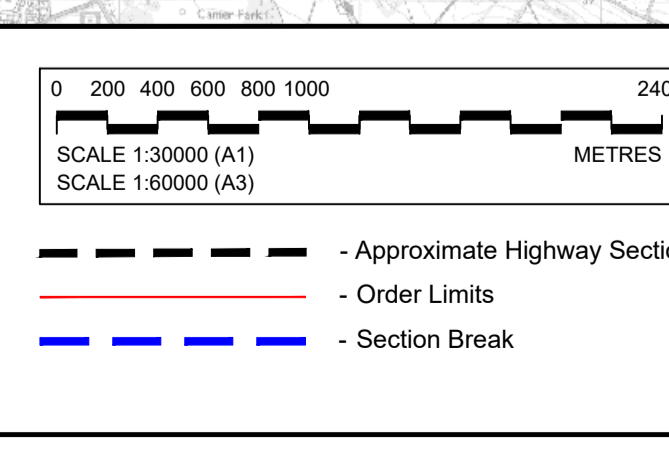
HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ- 00010 - Section 2 Sheet 9	TR010032/APP/6.2	P01.4
HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ- 00012 - Section 2 Sheet 11	TR010032/APP/6.2	P01.4
HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ- 00014 - Section 2 Sheet 13	TR010032/APP/6.2	P01.4
HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ- 00016 - Section 2 Sheet 15	TR010032/APP/6.2	P01.4
HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ- 00017 - Section 2 Sheet 16	TR010032/APP/6.2	P01.5
HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ- 00018 - Section 2 Sheet 17	TR010032/APP/6.2	P01.5
HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ- 00019 - Section 2 Sheet 18	TR010032/APP/6.2	P01.5
HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ- 00020 - Section 2 Sheet 19	TR010032/APP/6.2	P01.4
HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ- 00021 - Section 2 Sheet 20	TR010032/APP/6.2	P01.4
HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ- 00022 - Section 2 Sheet 21	TR010032/APP/6.2	P01.4

## 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)	1	Section S10 (Sheets 1 - 21)
1A	Section S1A (Sheets 1 - 3)	1	Section S11 (Sheets 1 - 22)
1	Section S2 (Sheets 1 - 21)	1	Section S12 (Sheets 1 - 24)
1	Section S3 (Sheets 1 - 10)	1	Section S13 (Sheets 1 - 14)
1	Section S4 (Sheets 1 - 4)	1	Section S14 (Sheets 1 - 18)
1	Section S9 (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			

## 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**

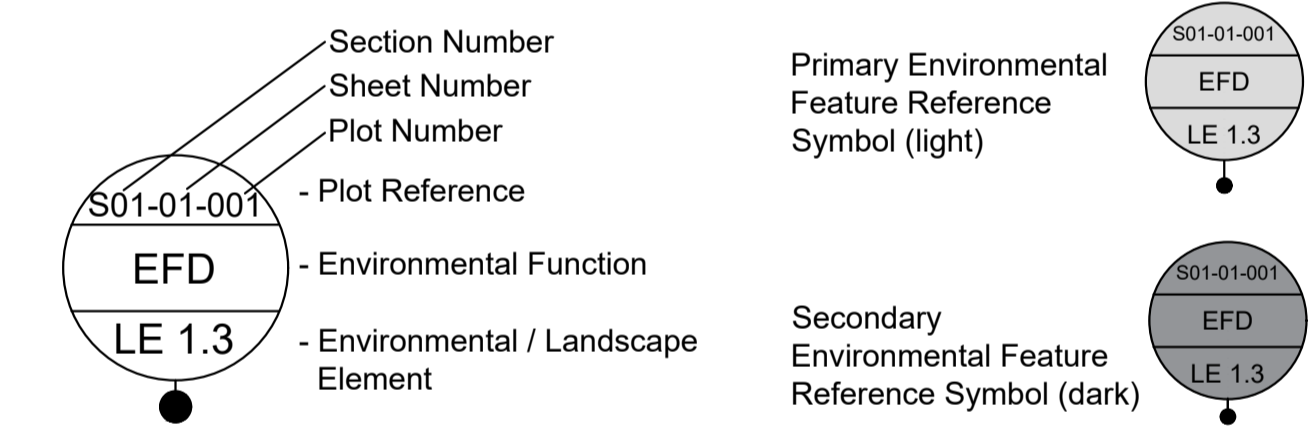
The outline Landscape and Ecology Management Plan (LEMP) separately sets out the proposed management for the environmental / landscape elements shown on the Environmental Masterplan. The Environment Masterplan secures the spatial extent and location of the environmental / landscape elements detailed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

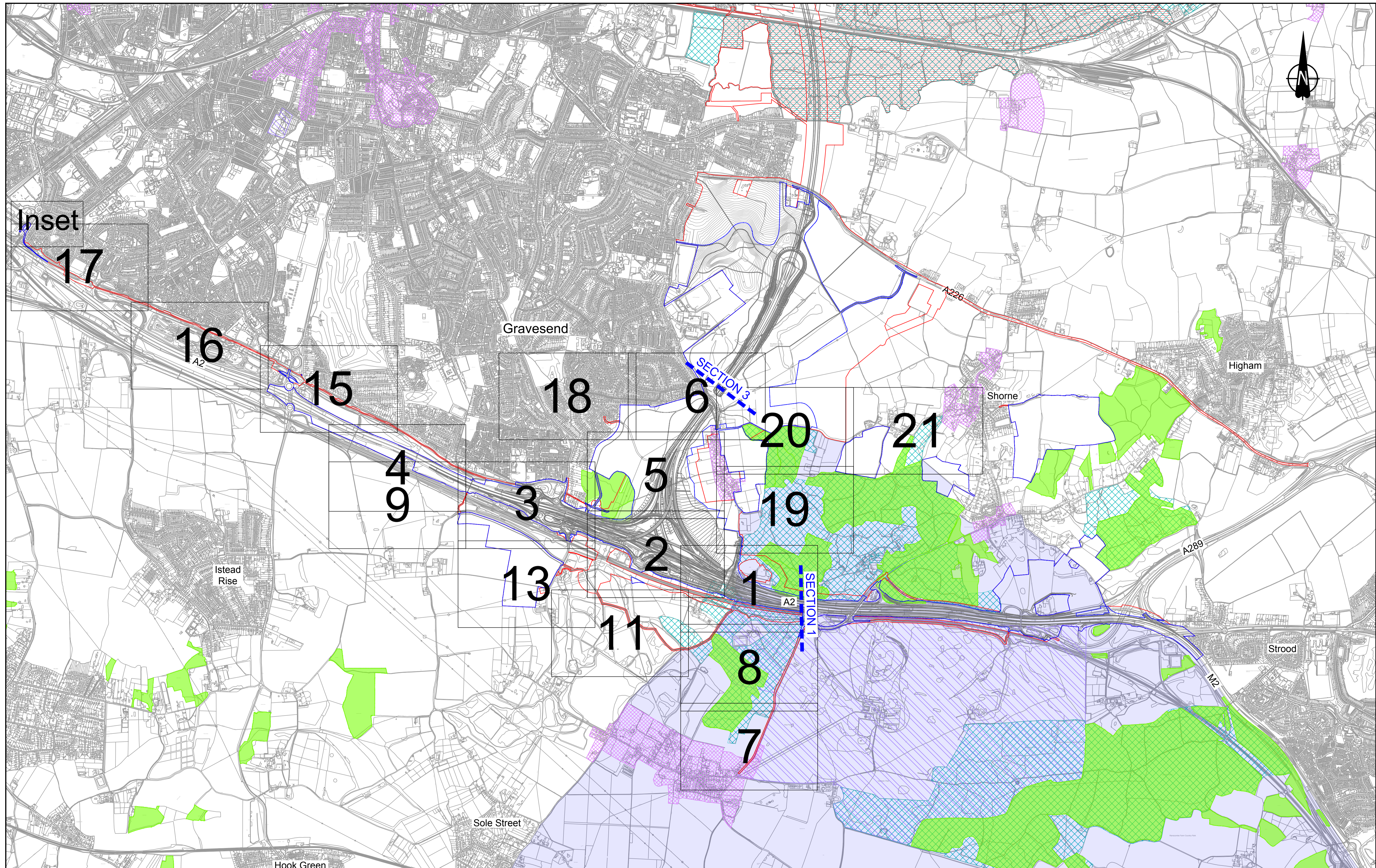
For further detail on the Landscape Design and Special Category Land shown within these plans, as well as the associated background and approach, please refer to the Project Design Report, Volume 2 Book of Plans, and Design Principles document (Application Documents 7.4, 6.2 and 7.5 respectively).

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

## 1.5 Section 2



Inset  
17

16  
A2

15

18

6

20

21

4  
9

3

5

19

13

2

1  
A2

11

8

7

Sole Street

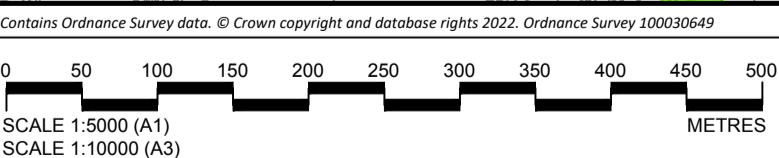
Hook Green

Gravesend

Shorne

Higham

Strood



**Notes:**

1. The sheets presented cover the full extent of the Order Limits. The sheet numbering for section 2 is not sequential due to alteration to the Order Limits prior to submissions resulting in sheets 10, 12, and 14 being removed in the submission set

**LEGEND**

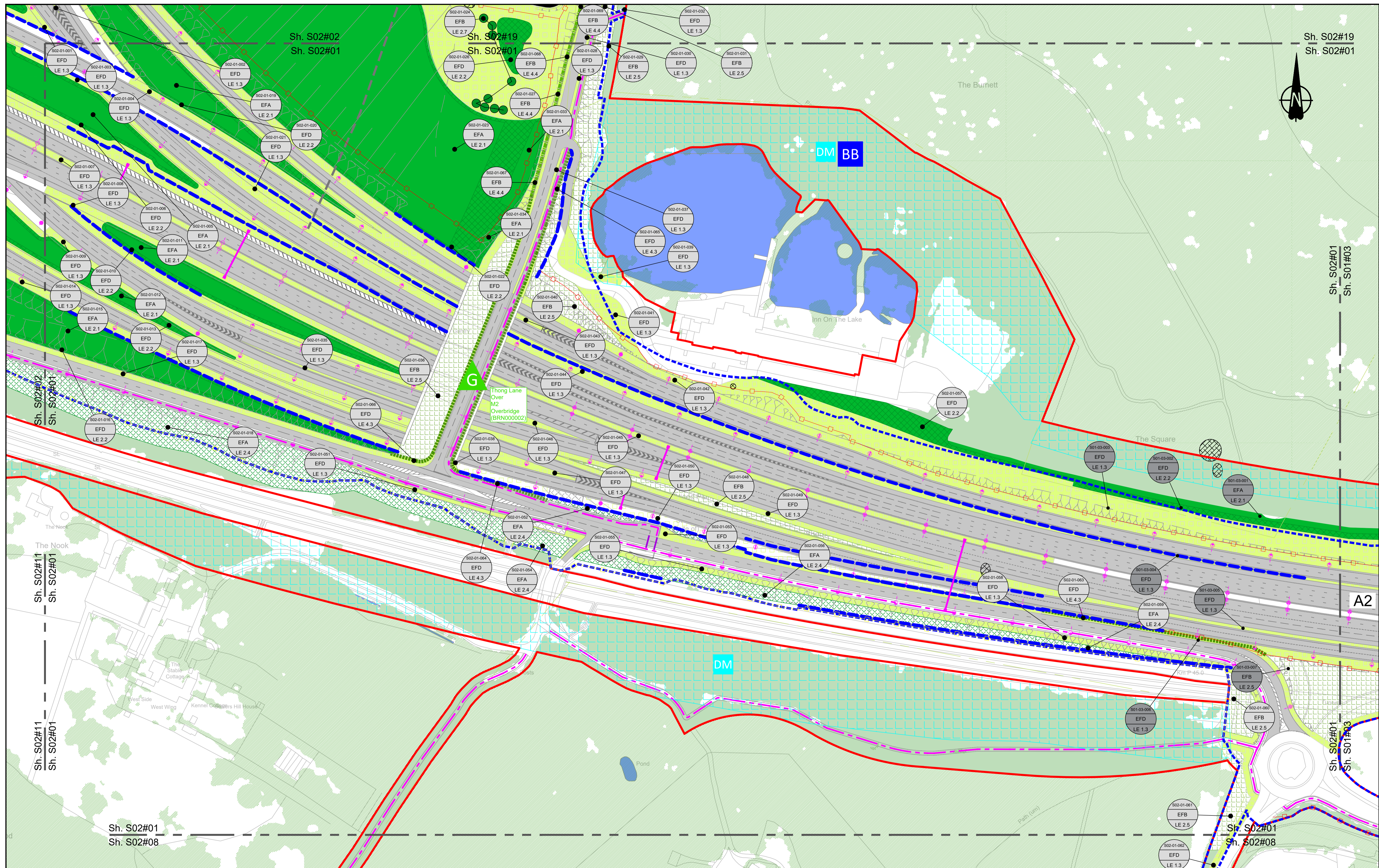
- Order Limits
- Permanent Acquisition of Land
- Area of Outstanding Natural Beauty (AONB)
- Site of Special Scientific Interest (SSSI)
- Registered Parks and Gardens
- Ramsar Sites
- Ancient Woodland
- Conservation Area

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

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	<b>ENVIRONMENTAL MASTERPLAN OVERVIEW PLAN SECTION 2</b>		
Drawing Number	HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00001		



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SCALE 1:2500 (A3)  
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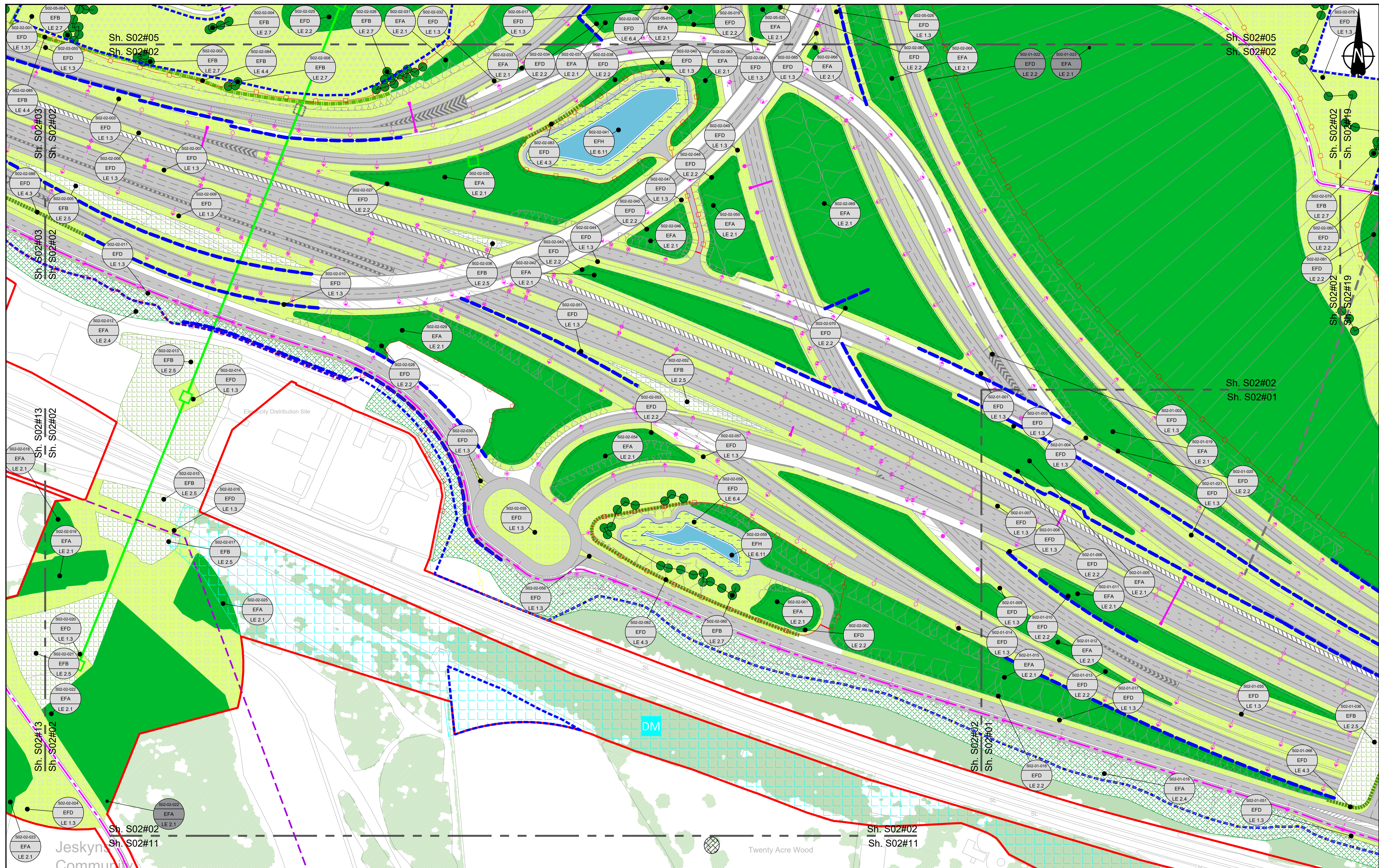
Section Overview Sheet: Refer to section overview plan at the start of the section.

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	Chkd	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> Order Limits Permanent Acquisition of Land <b>Grassland (LE 1)</b> 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	<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 Barks and Ditches LE 6.21 Banks and Ditches - High Tide Root Features LE 6.4 Wet Grassland LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.4 Reinforced Earth Band <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 / Farmland 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 Ecological Fencing (inc. highway boundary fence) E 3.2 Barn Owl Box	<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>LE 8.7 Nitrogen Deposition (NDEP) Compensation Area</b> E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)
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	Client	PINS Submission	Original Size	Revision
	Project	Application Document Number TR010032/APP/6.2	A1	P02
<b>LOWER THAMES CROSSING</b>	Drawing title	Scale 1:1250		
	<b>ENVIRONMENTAL MASTERPLAN SECTION 2 SHEET 1</b>			
	Drawing Number	HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00002		
		HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00002.dwg		



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SCALE 1:2500 (A3)  
METRES

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

P01	S2	25/10/2022	DCO Application	LD	PS	MH
P02	S9	19/07/2023	Deadline 2	LD	SK	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

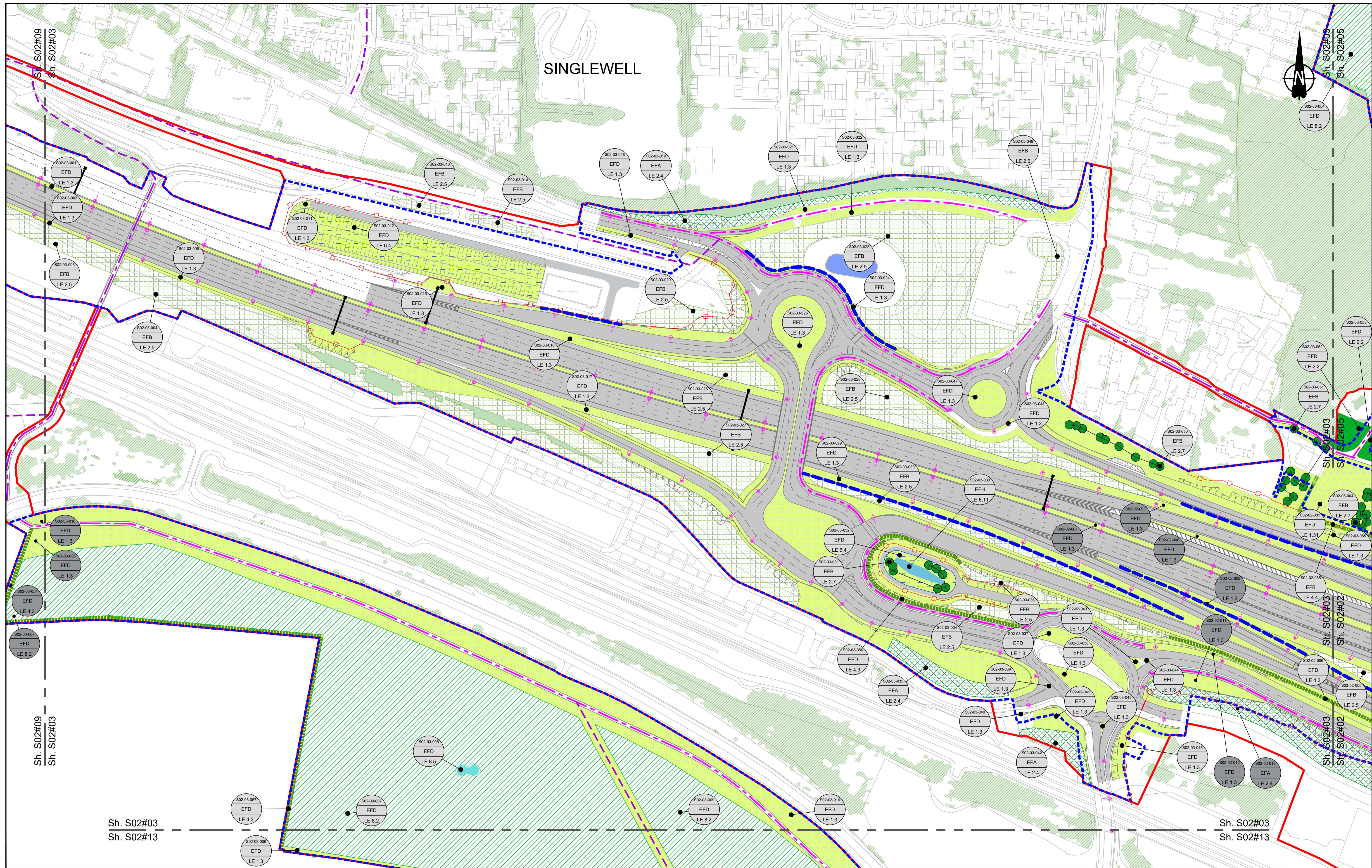
**Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ\_EN000000\_Z-DR-ZZ-00001).**

<b>Order Limits</b> Permanent Acquisition of Land <b>Grassland (LE 1)</b> LE 1.3 Species Rich Chalk 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 (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 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 Band <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 / Farmland 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 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) Flood Defence (E 2-FD) LE 8.7 Nitrogen Deposition (NDEP) Compensation Area
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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 2 SHEET 2</b>			
Drawing Number: HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00003			
HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00003.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	Chck'd	Apprv'd

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

Order Limits	<b>Planting (LE 2)</b>	<b>Individual Trees (LE 5)</b>
Permanent Acquisition of Land	LE 2.1 Woodland	LE 5.1 Individual Trees
<b>Grassland (LE 1)</b>	LE 2.11 Woodland With Non-Native Species	<b>Wetland Habitats (LE 6)</b>
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 Scraps
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	<b>Hedges (LE 4)</b>	LE 6.21 Banks and Ditches - High Tide Root Features
	LE 4.3 Native Species Hedge	
	LE 4.4 Native Hedgerow With Trees	
	LE 2.5 Shrubs With Intermittent Trees	
	LE 2.7 Scattered Trees	
	LE 2.8 Scrub / Scattered Scrub	
	<b>Hard Landscape Features (LE 7)</b>	
	LE 6.4 Wet Grassland	
	LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh	
	<b>Earthworks</b>	
	LE 7.4 Reinforced Earth Band	
	Proposed Contours	

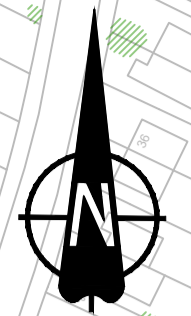
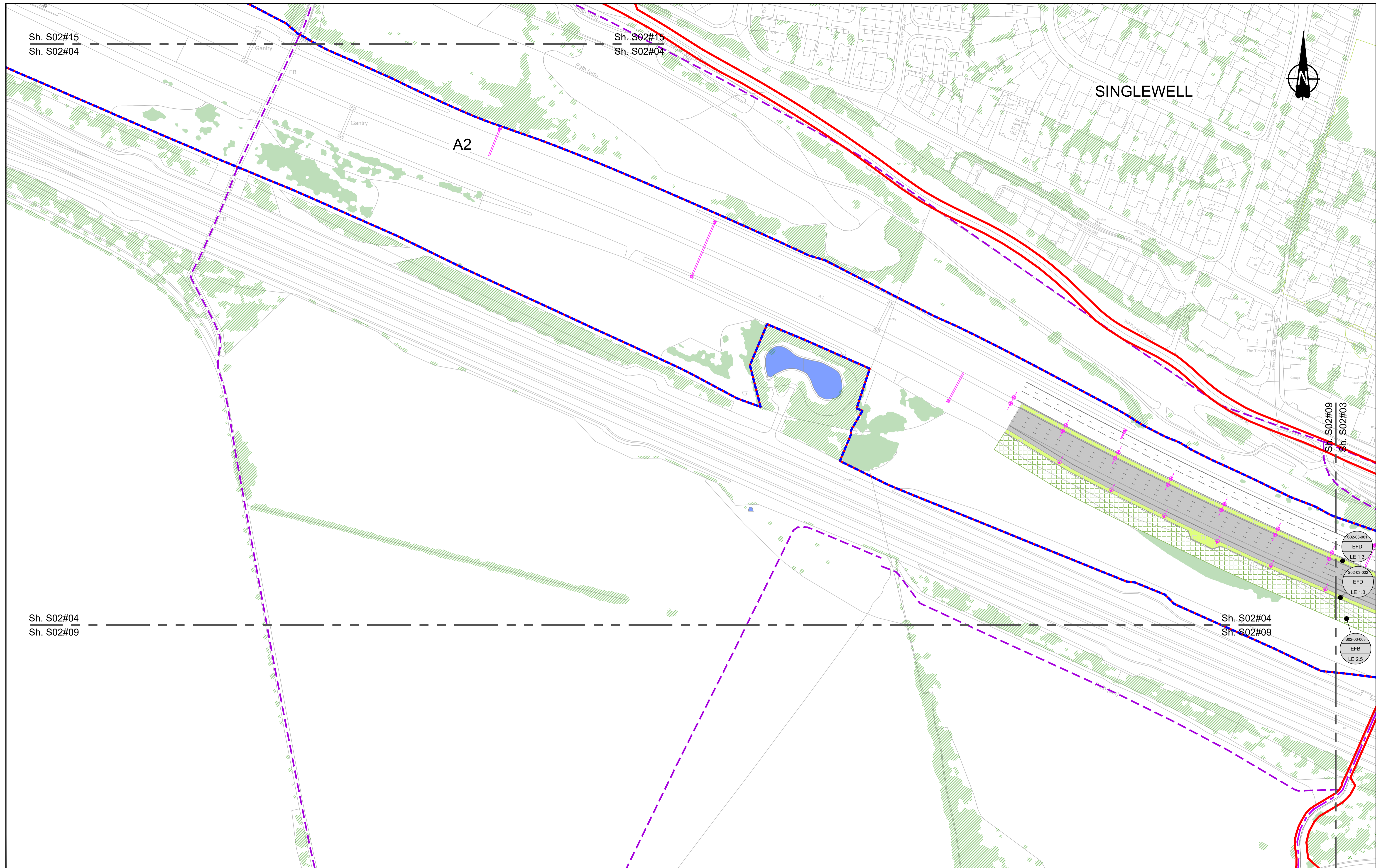
<b>Ecological Habitats (LE 8)</b>	<b>Noise (E 1)</b>	<b>Ecological (E 3)</b>
LE 8.1 Open Mosaic Habitat	E 1.2 Acoustic Barrier - Built Elements (typically inc. highway boundary fence)	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
LE 8.2 Ancient Woodland Compensation Planting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

Client: national highways

Project: LOWER THAMES CROSSING

Status: PINS Submission	Original Size: A1	Revision: P02
Application Document Number: TR010032/APP/6.2	Scale: 1:1250	
Drawing title: ENVIRONMENTAL MASTERPLAN SECTION 2 SHEET 3		
Drawing Number: HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00004		

HE540039-CJV-EGN-S02\_EN000000\_Z-DR-ZZ-00004.dwg



Sh. S02#15  
Sh. S02#04

Sh. S02#15  
Sh. S02#04

SINGLEWELL

A2

Sh. S02#04  
Sh. S02#09

Sh. S02#04  
Sh. S02#09

Sh. S02#09  
Sh. S02#03

S02-03-001  
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LE 1.3  
S02-03-002  
EFD  
LE 1.3  
S02-03-003  
EFB  
LE 2.5

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

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P01.4	SO	08/08/2022				LD

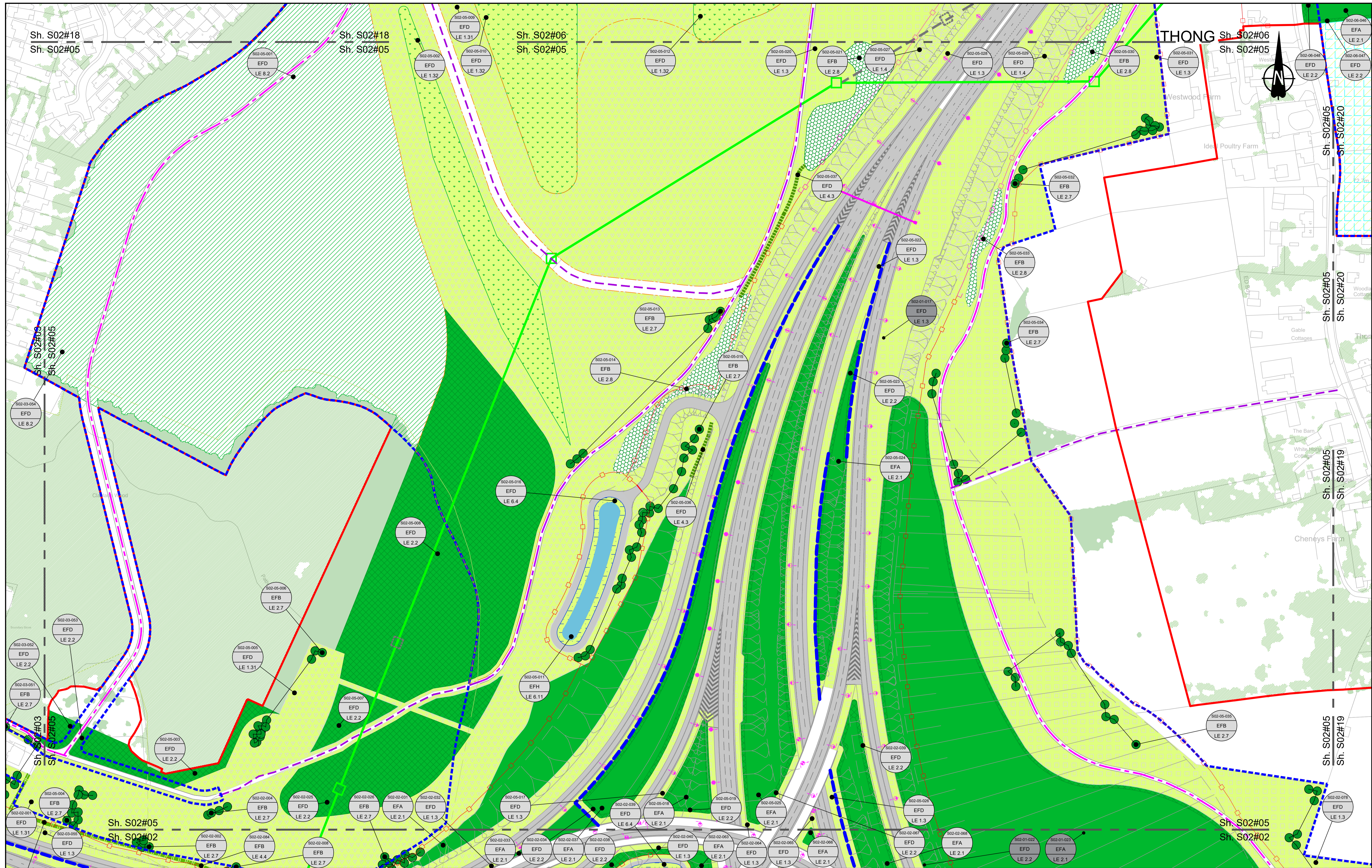
**Environmental Mitigation Legend:** Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ\_EN000000\_Z-DR-ZZ-00001).

<b>Order Limits</b> Red solid line Blue dashed line <b>Permanent Acquisition of Land</b> Blue dashed line <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 Screen	<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 (untrimm'd) 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 Barks and Ditches LE 6.21 Banks and Ditches - High Tide Root Features LE 6.4 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh <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 / Farmland 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 Ecological Fencing (inc. highway boundary fence) E 3.2 Barn Owl Box	<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) LE 8.7 Nitrogen Deposition (NDEP) Compensation Area
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Client:

Project: LOWER THAMES CROSSING

Status	Initial Status or WIP	Original Size	A1	Revision	P01.4
Application Document Number	TR010032/APP/6.2	Scale	1:1250		
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 2 SHEET 4				
Drawing Number	HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00005				



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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> <p>Permanent Acquisition of Land</p> <p><b>Grassland (LE 1)</b></p> <p>LE 1.3 Species Rich Chalk 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</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 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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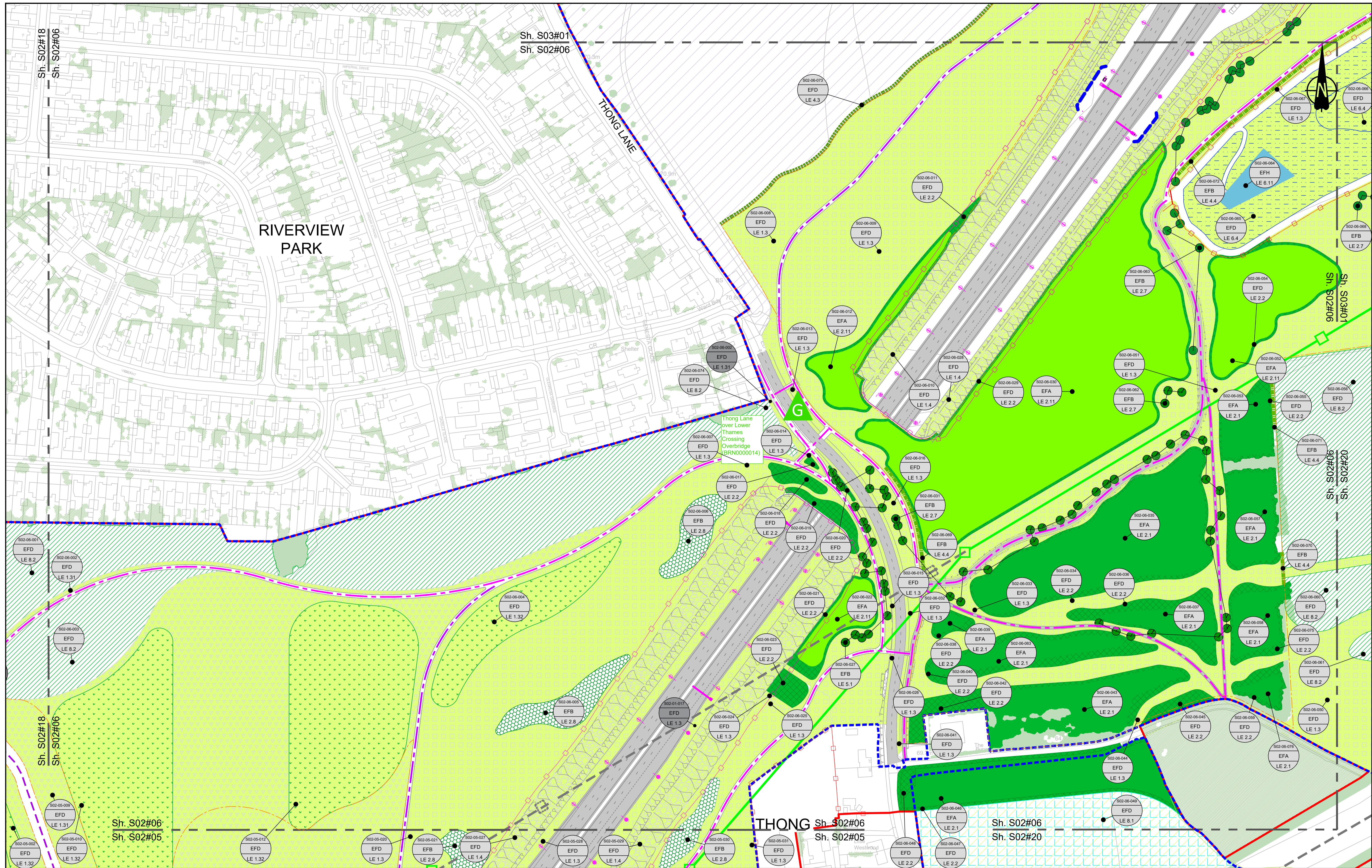
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	PINS Submission	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:1250		
Drawing Title	<b>ENVIRONMENTAL MASTERPLAN SECTION 2 SHEET 5</b>				
Drawing Number	HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00006				

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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-SZZ\_EN000000\_Z-DR-ZZ-00001).

Order Limits	<b>Planting (LE 2)</b>	<b>Individual Trees (LE 5)</b>	<b>Ecological Habitats (LE 8)</b>
Permanent Acquisition of Land	LE 2.1 Woodland	LE 5.1 Individual Trees	LE 8.1 Open Mosaic Habitat
<b>Grassland (LE 1)</b>	LE 2.11 Woodland With Non-Native Species	<b>Wetland Habitats (LE 6)</b>	LE 8.2 Ancient Woodland Compensation Planting
LE 1.1 Species Rich Chalk Grassland	LE 2.14 Wet / Carr Woodland	LE 6.11 Water Bodies - Standing Water	LE 8.3 Woodland Mitigation Planting
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.2 Woodland Edge	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape	LE 8.4 Wetland / Fenland Creation
LE 1.4 Rock and Scree	LE 2.22 Scrub Woodland	<b>Hedges (LE 4)</b>	LE 8.5 Ecology Pond (indicative symbol only)
	LE 2.4 Linear Belt of Shrubs and Trees	LE 4.3 Native Species Hedge (untimmed)	LE 8.6 Acid Grassland Soil Salvage
		LE 4.4 Native Hedgerow With Trees	

<b>Hard Landscape Features (LE 7)</b>	<b>Earthworks</b>
LE 7.4 Reinforced Earth Band	Proposed Contours
LE 7.5 Wet Grassland	
LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh	
LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	

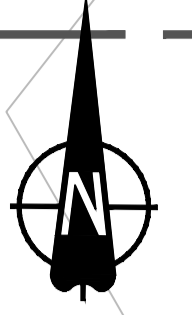
<b>Noise (E 1)</b>	<b>Ecological (E 3)</b>
E 1.2 Acoustic Barrier - Built Elements (Typically inc. Highway boundary fence)	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
<b>Water (E 2)</b>	E 3.2 Dormouse Boxes
Flood Compensation Areas (E 2-FCA)	E 3.2 Bat Boxes
Flood Defence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

Client:

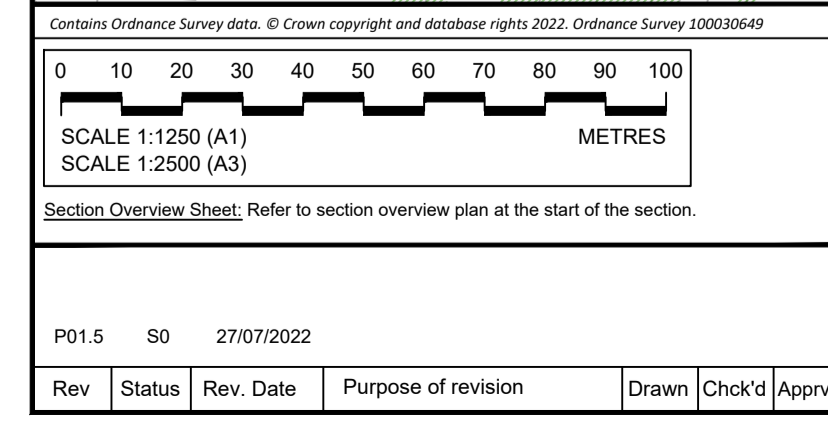
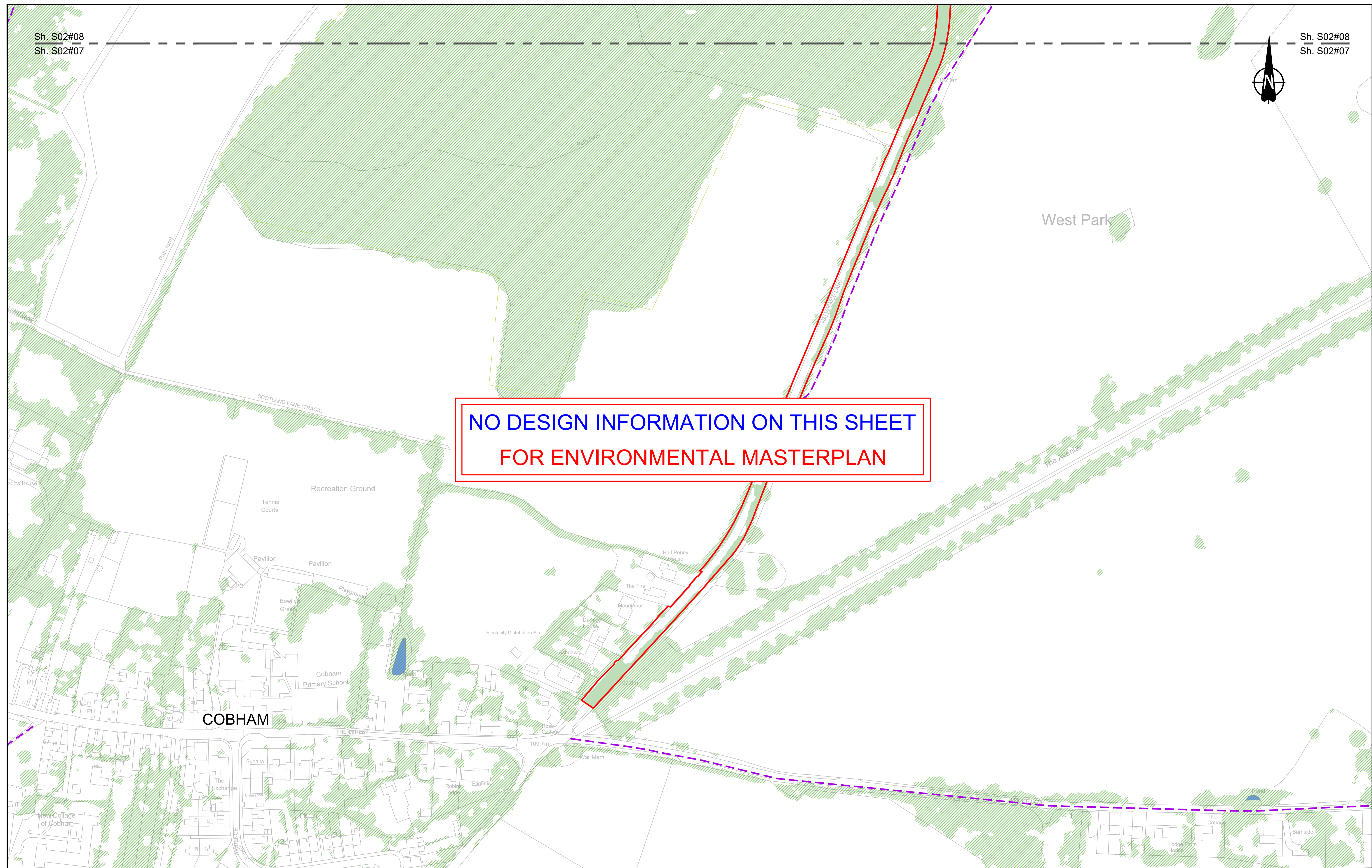
Project: **LOWER THAMES CROSSING**

Status: PINS Submission	Original Size: A1	Revision: P02
Application Document Number: TR010032/APP/6.2	Scale: 1:1250	
Drawing Title: <b>ENVIRONMENTAL MASTERPLAN SECTION 2 SHEET 6</b>		
Drawing Number: HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00007		

HE540039-CJV-EGN-S02\_EN000000\_Z-DR-ZZ-00007.dwg



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



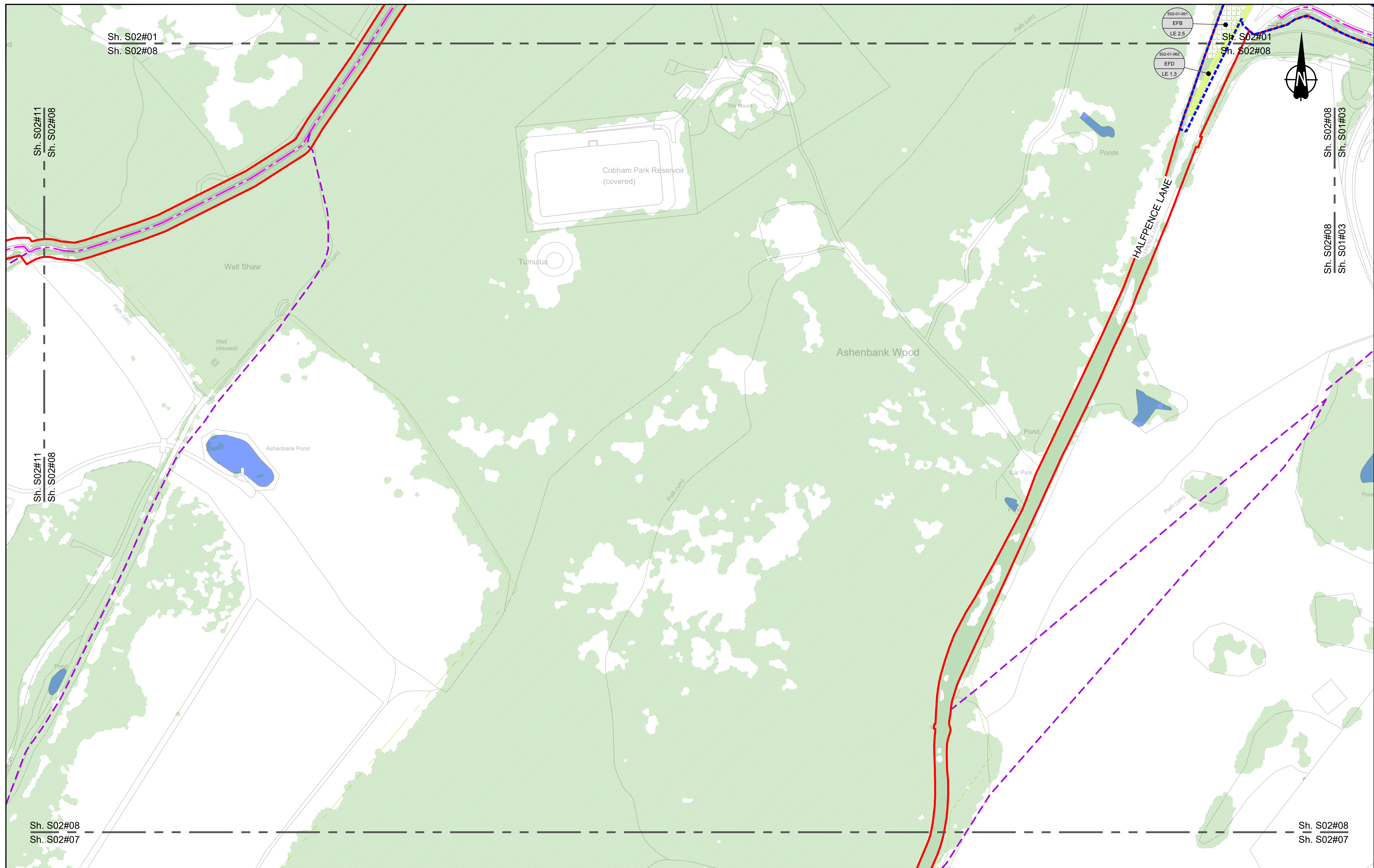
**Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ\_EN000000\_Z-DR-ZZ-00001).**

<b>Order Limits</b> Permanent Acquisition of Land	<b>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	<b>Individual Trees (LE 5)</b> LE 5.1 Individual Trees	<b>Wetland Habitats (LE 6)</b> LE 6.1 Water Bodies - Standing Water LE 6.12 Water Bodies and Associated Plants - Shallow Scrape LE 6.2 Barks and Ditches LE 6.4 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.41 Wet Grassland LE 6.42 Wet Grassland - High Tide Root Features	<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 / Farmland 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	<b>Hard Landscape Features (LE 7)</b> LE 7.4 Reinforced Earth Bund	<b>Earthworks</b> Proposed Contours	<b>E 3.2 Barn Owl Box</b> E 3.2 Ecological Fencing (inc. highway boundary fence)
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**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 2 SHEET 7		
Drawing Number	HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00008		



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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	Chkd	Apprv'd
P01.4	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><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>Hedges (LE 4)</b></p> <ul style="list-style-type: none"> <li>LE 4.3 Native Species Hedge (untrimm'd)</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 Barks 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 6.4 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 / Farmland 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 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>
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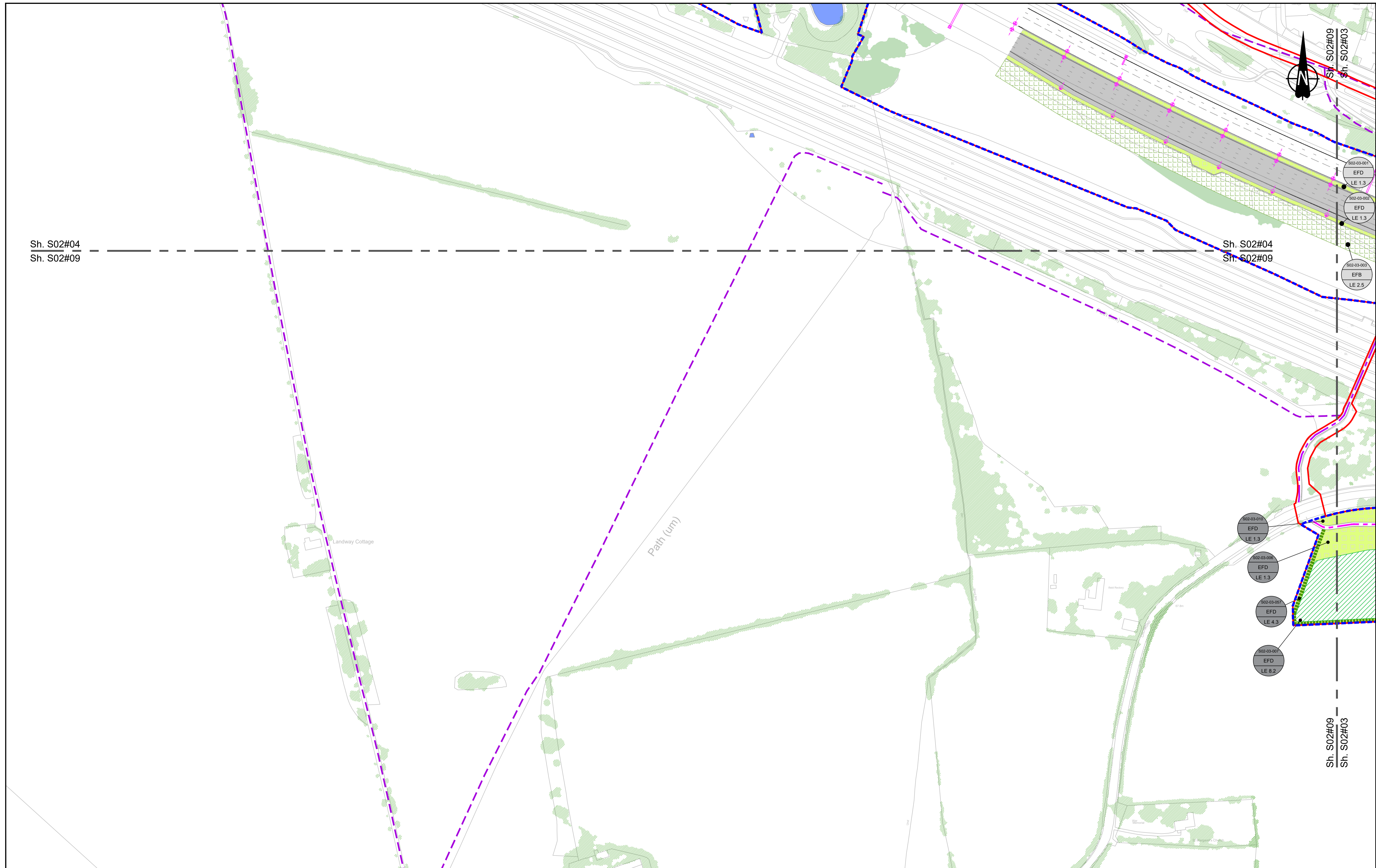
Client

Project

**LOWER THAMES CROSSING**

15 St Botolph Street  
London EC3A 7DT

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.4
Scale	1:1250		
Drawing title	<b>ENVIRONMENTAL MASTERPLAN SECTION 2 SHEET 8</b>		
Drawing Number	HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00009		



Sh. S02#04  
Sh. S02#09

Sh. S02#04  
Sh. S02#09

Sh. S02#09  
Sh. S02#03

Sh. S02#09  
Sh. S02#03

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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
P01.3	SO	28/06/2021				

**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>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 6.4 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>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 Barn Owl Box</li> <li>E 3.2 Ecological Fencing (inc. highway boundary fence)</li> </ul>
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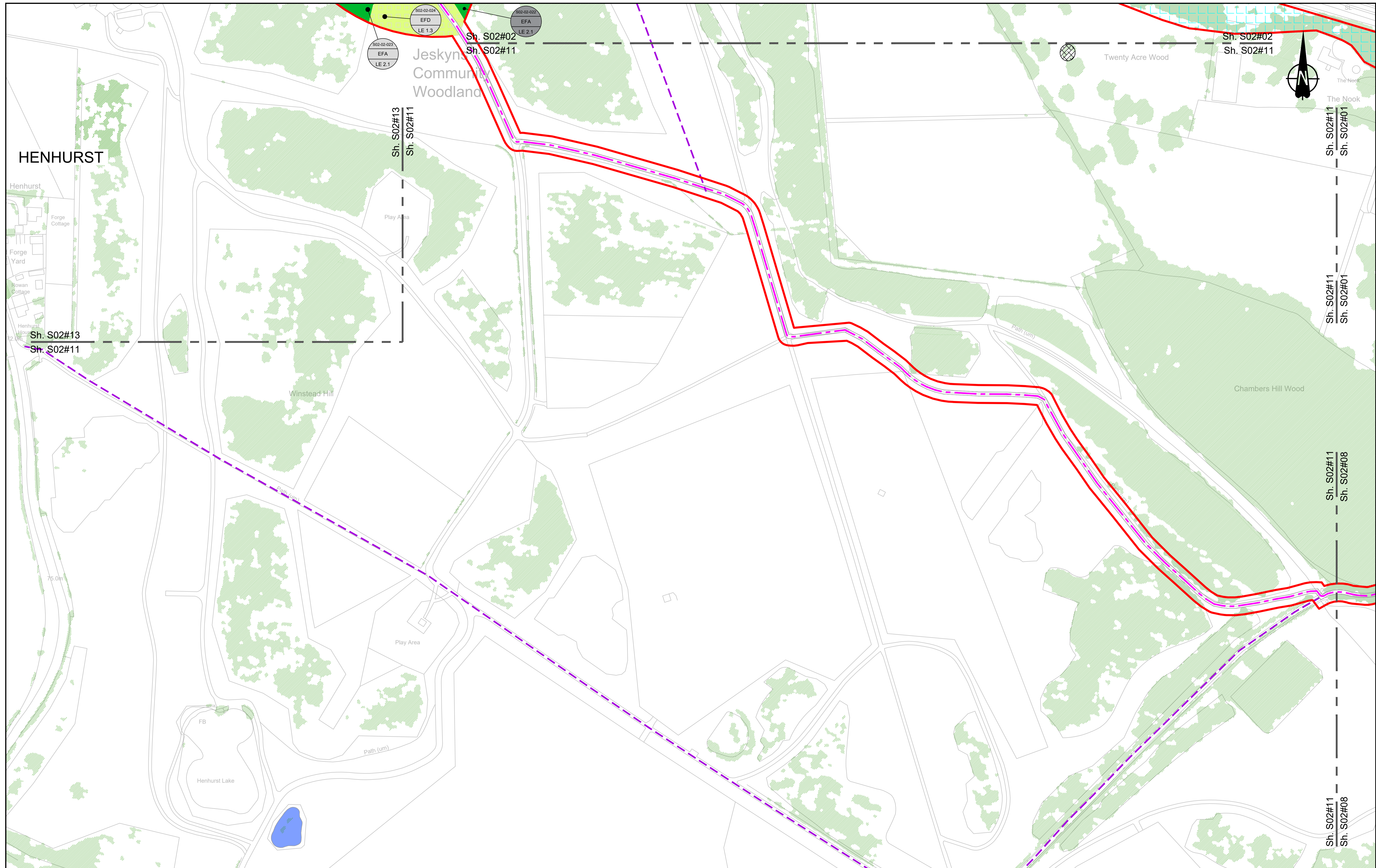
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.3
Drawing title	<b>ENVIRONMENTAL MASTERPLAN SECTION 2 SHEET 9</b>		
Drawing Number	HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00010		

Scale: 1:1250

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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.

P01.4 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-SZZ\_EN000000\_Z-DR-ZZ-00001).**

Order Limits	Grassland (LE 1)	Planting (LE 2)	Individual Trees (LE 5)	Ecological Habitats (LE 8)	Water (E 2)	Noise (E 1)	Ecological (E 3)
Order Limits	LE 1.3 Species Rich Grassland	LE 2.1 Woodland	LE 5.1 Individual Trees	LE 8.1 Open Mosaic Habitat	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	LE 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
Permanent Acquisition of Land	LE 1.31 Species Rich Chalk Grassland	LE 2.11 Woodland With Non-Native Species	LE 5.2 Wet Grassland	LE 8.2 Ancient Woodland Compensation Planting	LE 6.11 Water Bodies - Standing Water	LE 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 3.2 Ecological Fencing (inc. highway boundary fence)
Grassland (LE 1)	LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.14 Wet / Carr Woodland	LE 5.3 Wet Grassland	LE 8.3 Woodland Mitigation Planting	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape	LE 2.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 3.2 Ecological Culvert
LE 1.3 Species Rich Grassland	LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.2 Woodland Edge	LE 5.4 Wet Grassland	LE 8.4 Wetland / Fenland Creation	LE 6.2 Barks and Ditches	LE 2.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 3.2 Bat Barn Block
LE 1.31 Species Rich Chalk Grassland	LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.22 Scrub Woodland	LE 5.5 Wet Grassland	LE 8.5 Ecology Pond (indicative symbol only)	LE 6.2 Barks and Ditches	LE 2.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 3.2 Bat Barn Block
LE 1.32 Species Rich Annual Wildflower Grassland	LE 1.4 Rock and Scree	LE 2.4 Linear Belt of Shrubs and Trees	LE 5.6 Wet Grassland	LE 8.6 Acid Grassland Soil Salvage	LE 6.2 Barks and Ditches - High Tide Root Features	LE 2.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 3.2 Bat Barn Block
LE 1.4 Rock and Scree			LE 5.7 Wet Grassland				
			LE 5.8 Wet Grassland				
			LE 5.9 Wet Grassland				
			LE 5.10 Wet Grassland				
			LE 5.11 Wet Grassland				
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			LE 5.24 Wet Grassland				
			LE 5.25 Wet Grassland				
			LE 5.26 Wet Grassland				
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Client: national highways

Project: LOWER THAMES CROSSING

Status: Initial Status or WIP

Application Document Number: TR010032/APP/6.2

Scale: 1:1250

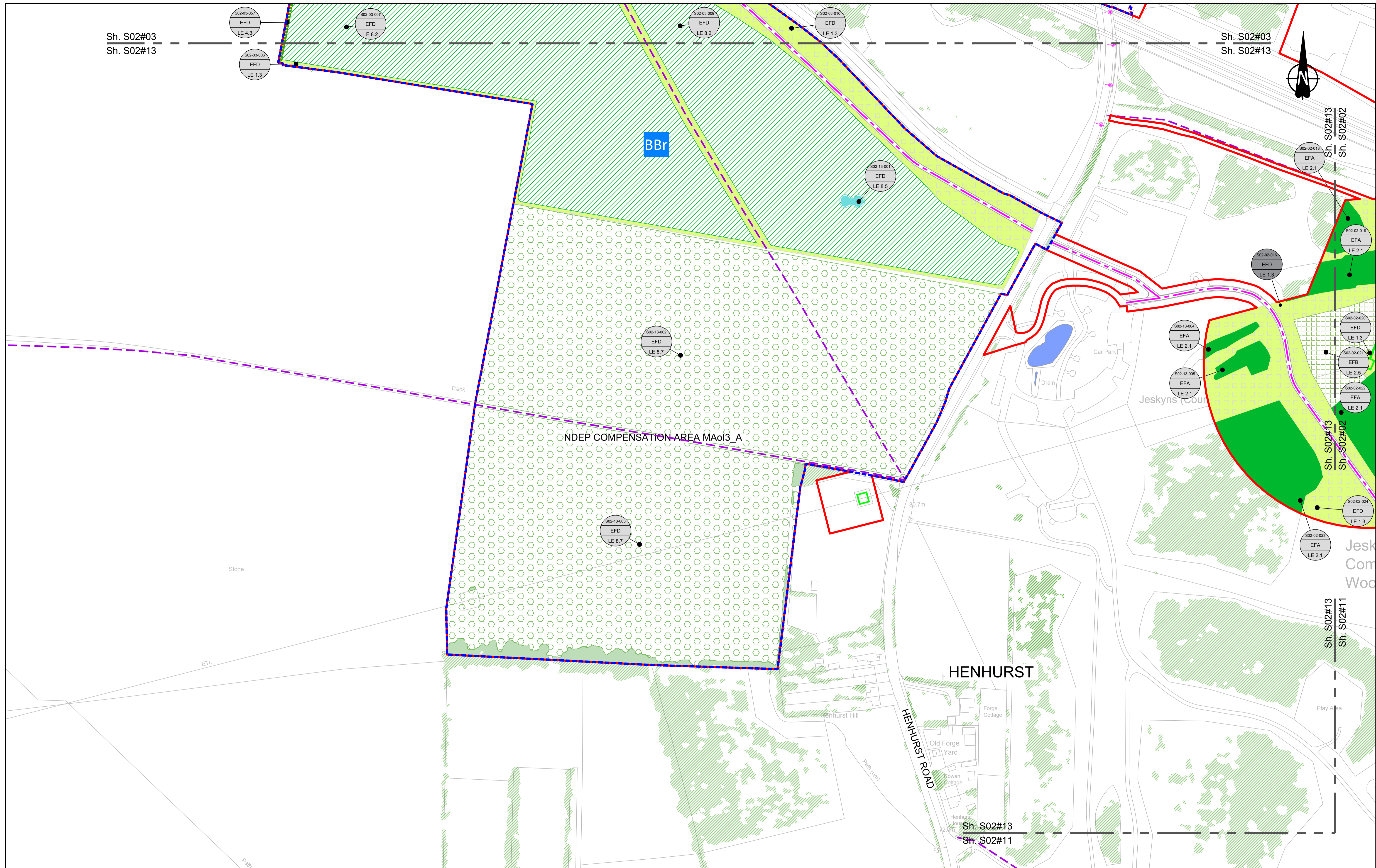
Original Size: A1

Revision: P01.4

Drawing Title: ENVIRONMENTAL MASTERPLAN SECTION 2 SHEET 11

Drawing Number: HE540039-CJV-EGN-S02\_EN000000\_Z-DR-ZZ-00012

HE540039-CJV-EGN-S02\_EN000000\_Z-DR-ZZ-00012.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.

PO1.4	SD	08/08/2022	LD			
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

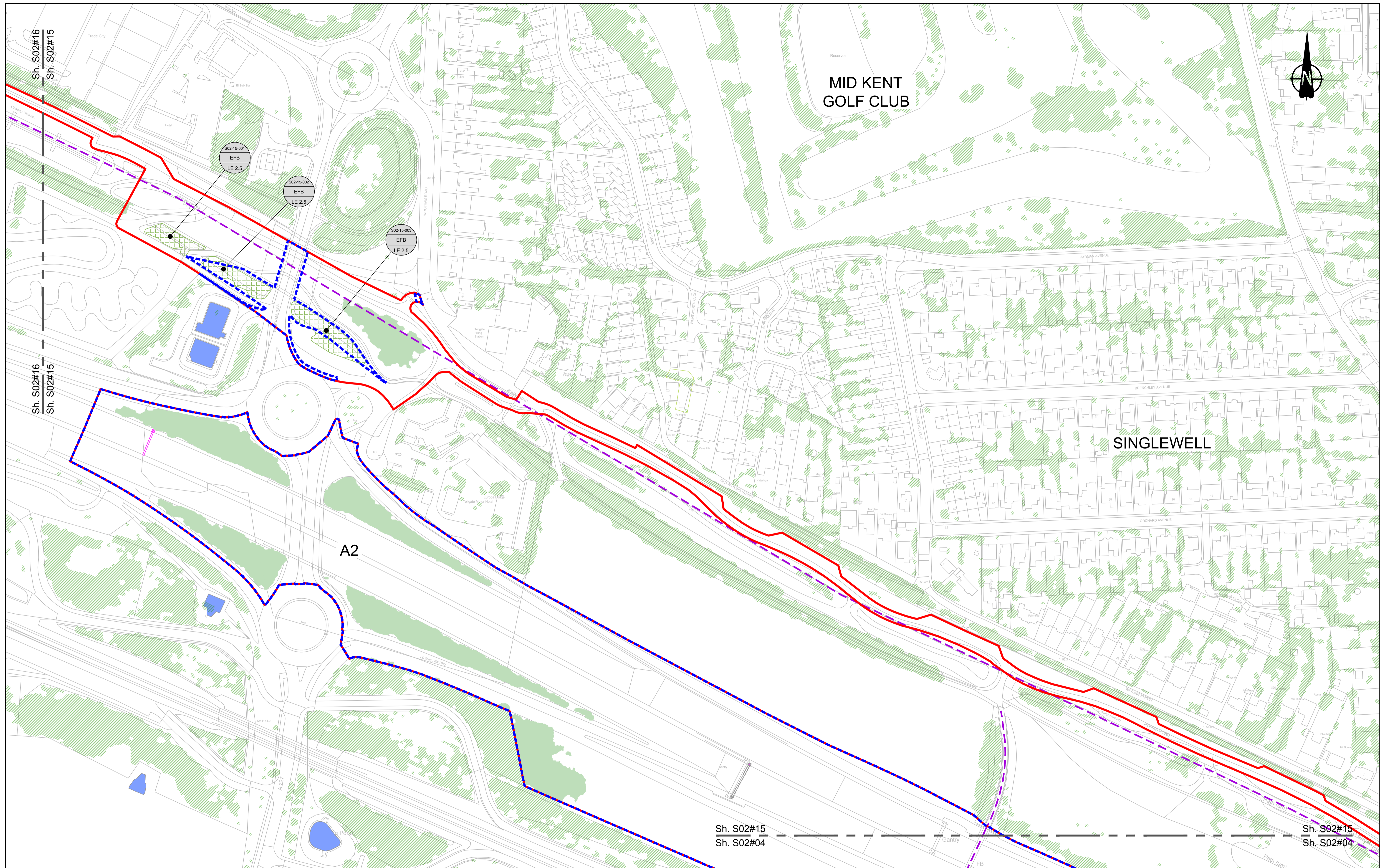
**Environmental Mitigation Legend:** Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZ2\_EN000000\_Z-DR-ZZ-00001).

<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>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 Ecological Fencing (inc. highway boundary fence)</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	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.4
Scale	1:1250		
Drawing Title	ENVIRONMENTAL MASTERPLAN SECTION 2 SHEET 13		
Drawing Number	HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00014		



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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	Appr'd
P01.4	SO	08/08/2022				LD

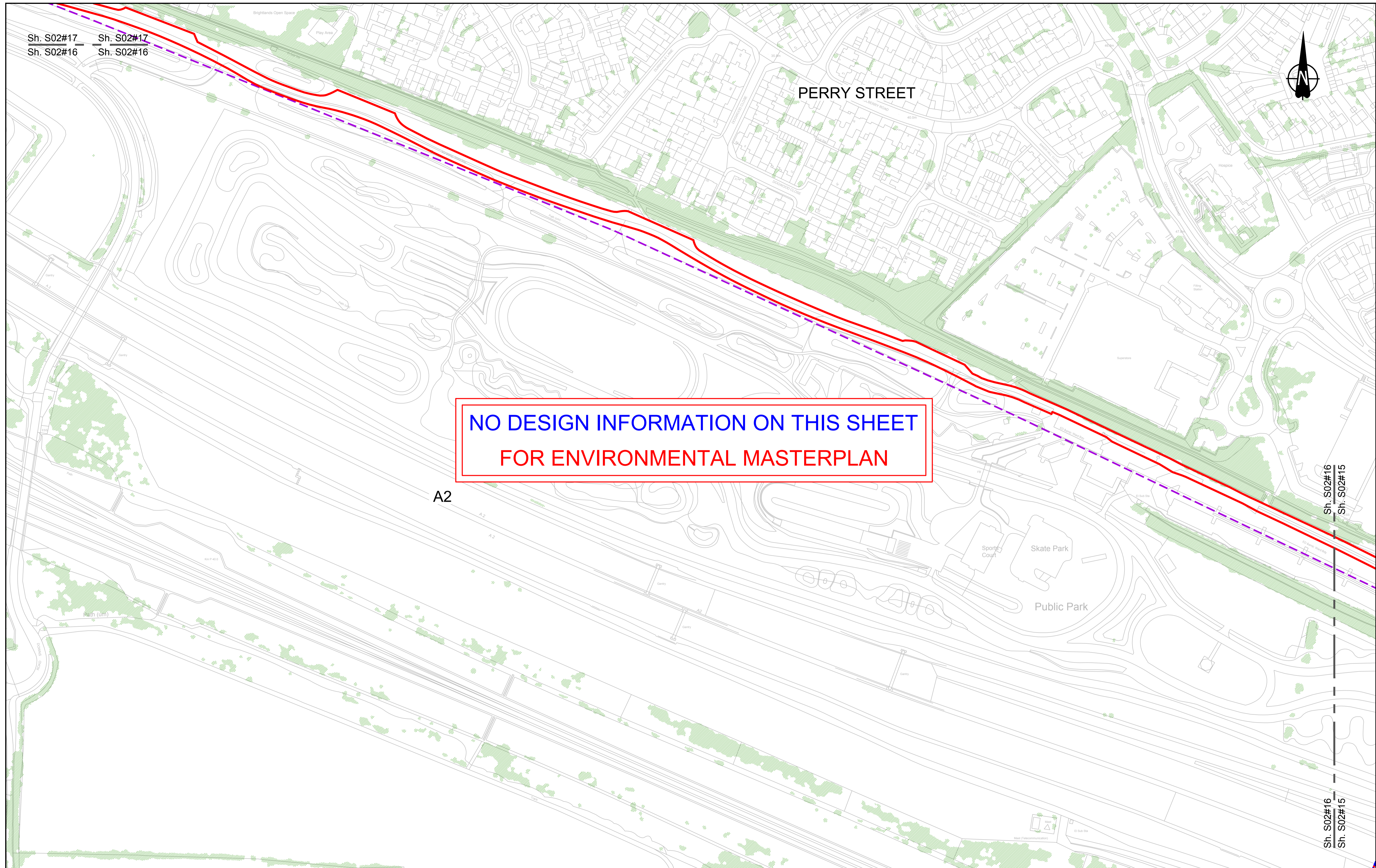
**Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ\_EN000000\_Z-DR-ZZ-00001).**

<p><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 (untimmed)</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 Scapes</p> <p>LE 6.2 Banks and Ditches</p> <p>LE 6.21 Banks and Ditches – High Tide Flood Features</p> <p>LE 6.4 Wet Grassland</p> <p>LE 6.41 Marsh and Wet Grassland – Coastal Grazing Marsh</p> <p>LE 7.4 Reinforced Earth Bund</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><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>LE 8.7 Nitrogen Deposition (NDEP) Compensation Area</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 Bat Barn Block</p> <p>E 3.2 Ecological Fencing (inc. highway boundary fence)</p> <p>E 3.2 Barn Owl Box</p>
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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	P01.4
Scale	1:1250		
Drawing Title	ENVIRONMENTAL MASTERPLAN SECTION 2 SHEET 15		
Drawing Number	HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00016		
HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00016.dwg			



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

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

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

P01.5 50 08/08/2022 LD

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

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

Order Limits	Planting (LE 2)	Individual Trees (LE 5)	Ecological Habitats (LE 8)	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>Wetland Habitats (LE 6)</li> <li>LE 6.11 Water Bodies - Standing Water</li> <li>LE 6.12 Water Bodies and Associated Plants - Shallow Scapes</li> <li>LE 6.2 Barks and Ditches</li> <li>LE 6.21 Barks and Ditches - High Tide Root Features</li> </ul>	<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>	<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>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 6.4 Marsh and Wet Grassland - Coastal Grazing Marsh</li> <li>Hard Landscape Features (LE 7)</li> <li>LE 7.4 Reinforced Earth Bund</li> <li>Earthworks</li> <li>Proposed Contours</li> </ul>	<ul style="list-style-type: none"> <li>LE 8.7 Nitrogen Deposition (NDEP) Compensation Area</li> <li>Noise (E 1)</li> <li>E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)</li> <li>Water (E 2)</li> <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>	<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> </ul>

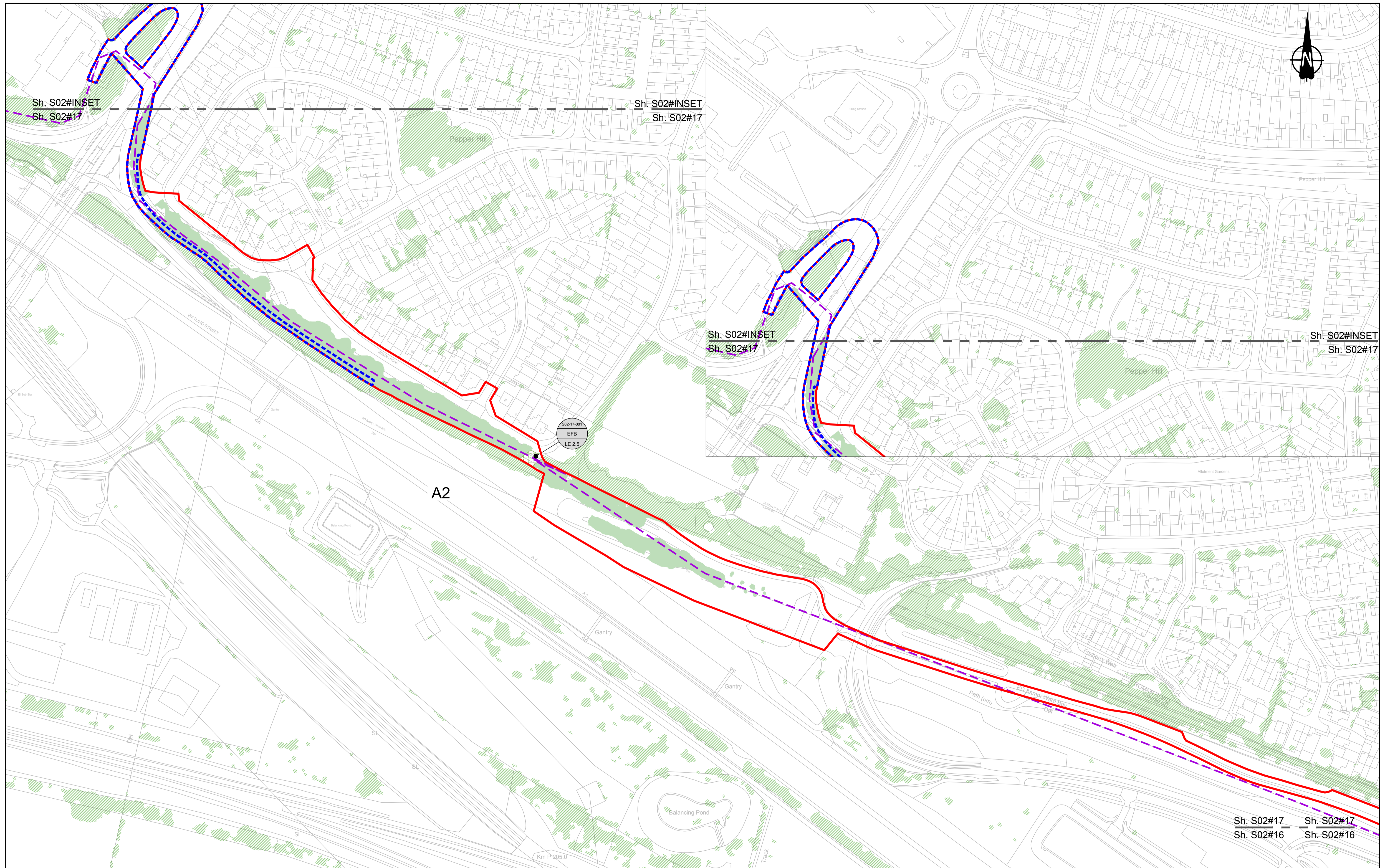
**national highways**

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 2 SHEET 16				
Drawing Number	HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00017				

HE540039-CJV-EGN-S02\_EN000000\_Z-DR-ZZ-00017.dwg





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

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

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

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-SZZ\_EN000000\_Z-DR-ZZ-00001).**

<b>Order Limits</b> Order Limits 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 (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 Scapes 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 8.2 Banks and Ditches LE 8.5 Ecology Pond (indicative symbol only) LE 8.6 Acid Grassland Soil Salvage <b>Ecological (E 1)</b> 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) 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

Application Document Number: TR010032/APP/6.2

Scale: 1:1250

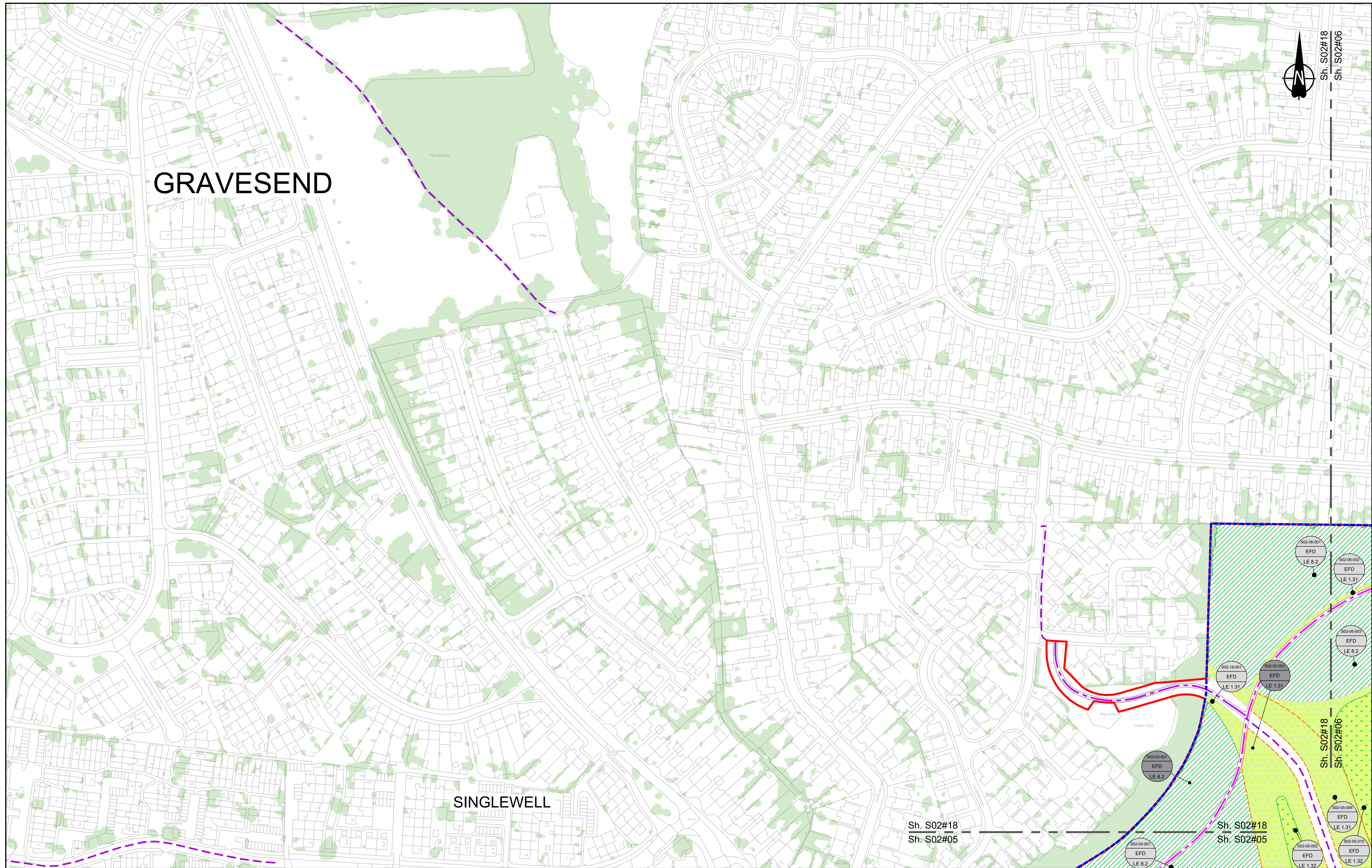
Original Size: A1

Revision: P01.5

Drawing Title: ENVIRONMENTAL MASTERPLAN SECTION 2 SHEET 17

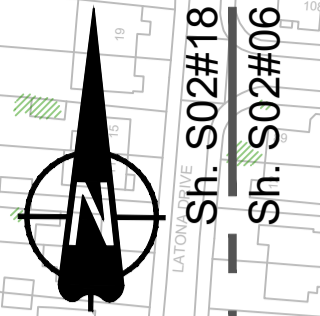
Drawing Number: HE540039-CJV-EGN-S02\_EN000000\_Z-DR-ZZ-00018

HE540039-CJV-EGN-S02\_EN000000\_Z-DR-ZZ-00018.dwg



GRAVESEND

SINGLEWELL



Sh. S02#18  
Sh. S02#06

Sh. S02#18  
Sh. S02#06

Sh. S02#18  
Sh. S02#05

Sh. S02#18  
Sh. S02#06

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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

**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 Root 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>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 Ecological Fencing (inc. highway boundary fence)</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>Flood Compensation Areas (E 2-FCA)</li> <li>Flood Defence (E 2-FD)</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>
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Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status: Initial Status or WIP

Application Document Number: TR010032/APP/6.2

Original Size: A1

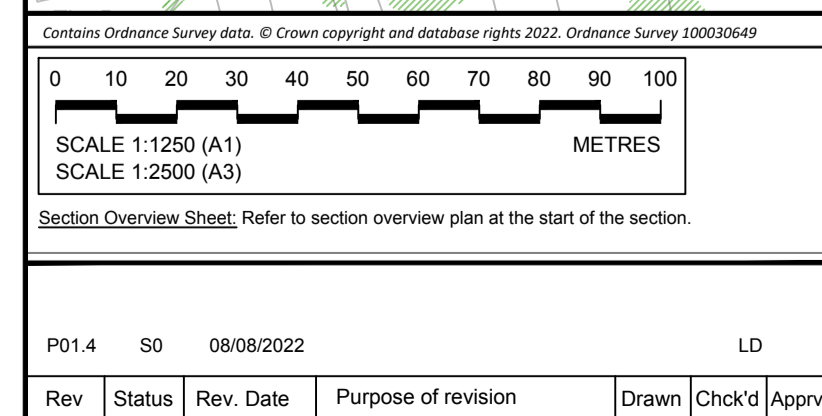
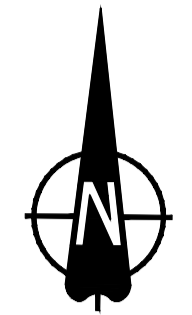
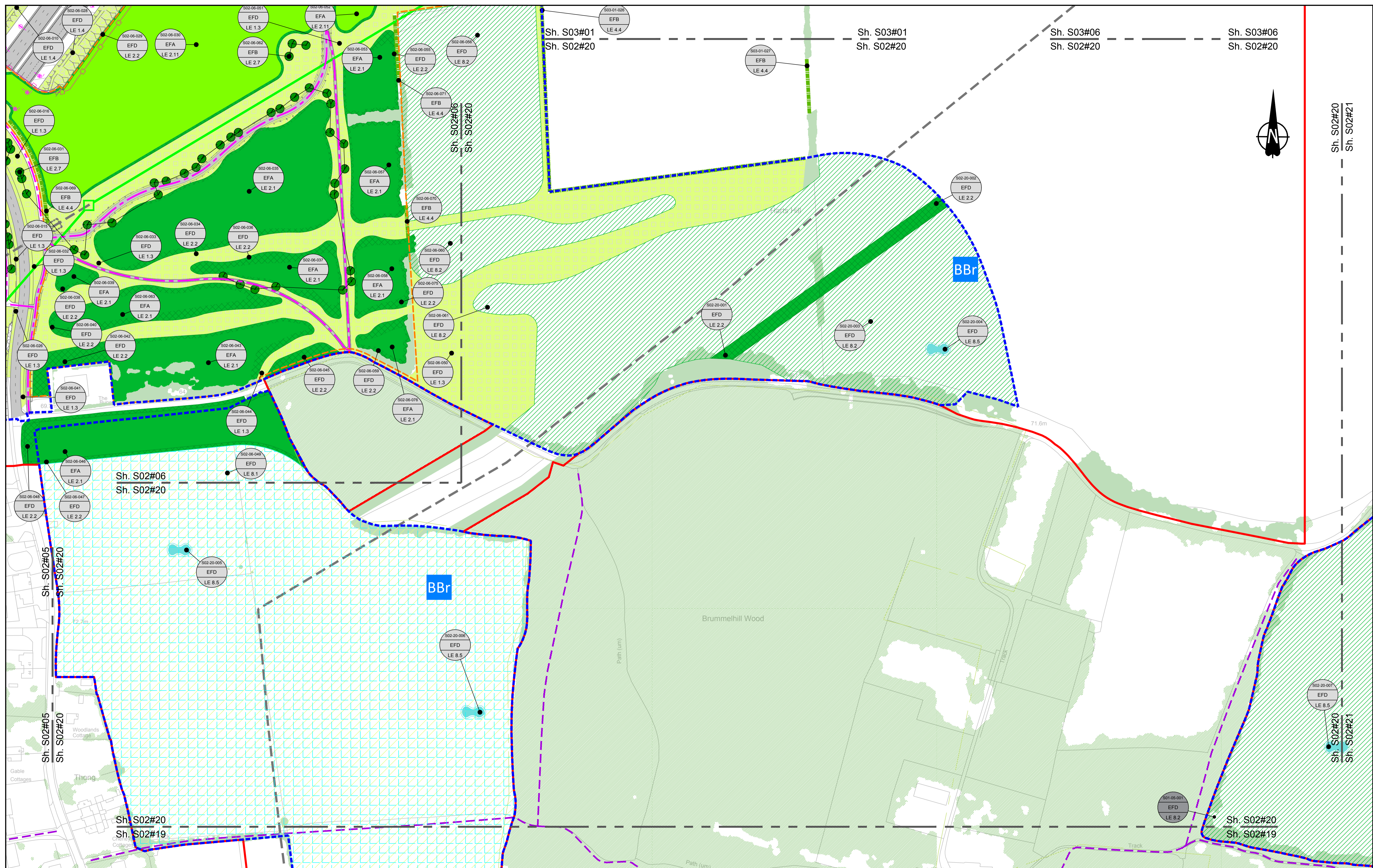
Revision: P01.5

Scale: 1:1250

Drawing Title: **ENVIRONMENTAL MASTERPLAN SECTION 2 SHEET 18**

Drawing Number: HE540039-CJV-EGN-S02\_EN000000\_Z-DR-ZZ-00019





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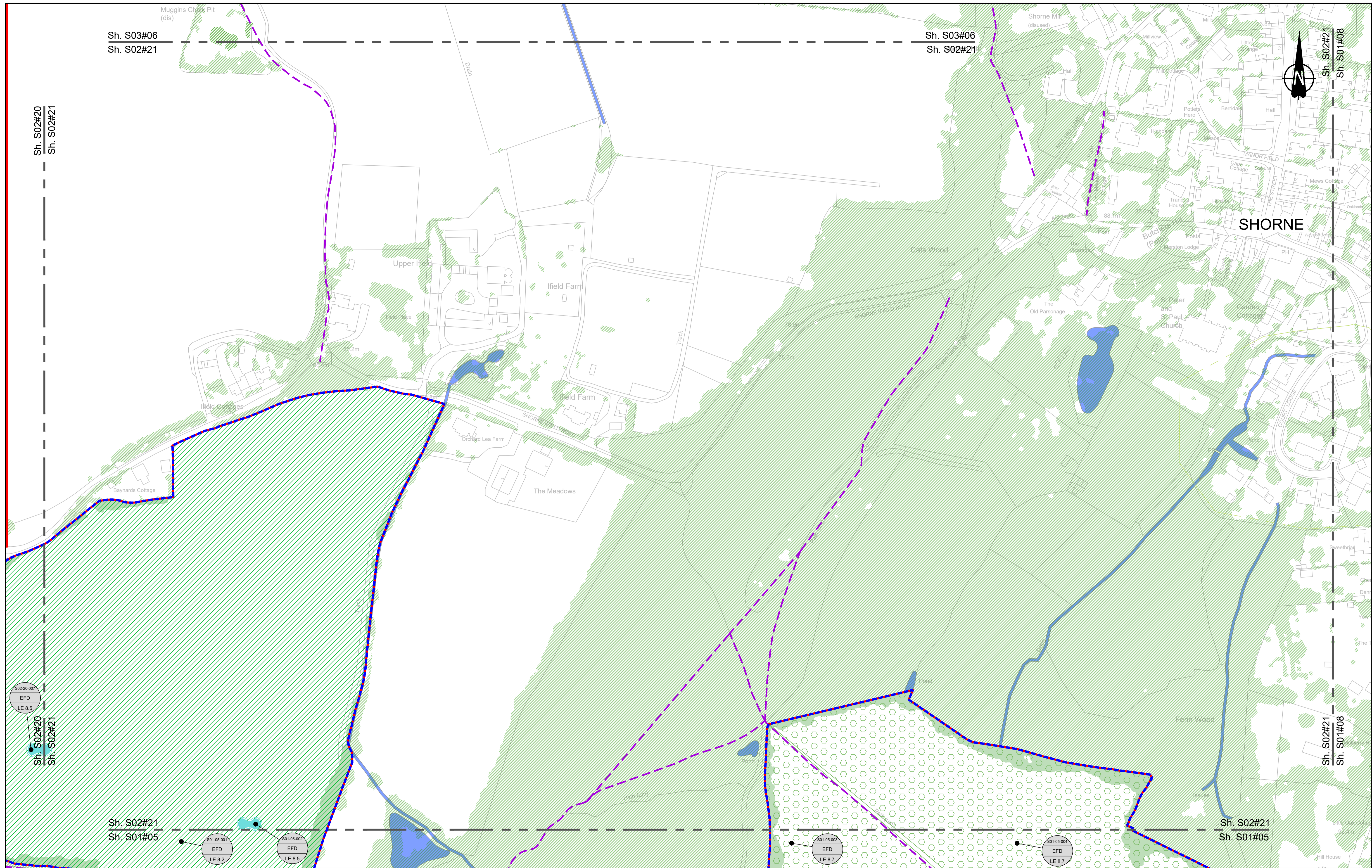
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Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00001).		Individual Trees (LE 8)		Ecological Habitats (LE 8)		Noise (E 1)		Ecological (E 3)	
Order Limits	Planting (LE 2)	LE 8.1 Individual Trees	LE 8.1 Open Mosaic Habitat	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species	LE 8.2 Marsh and Wet Grassland - Coastal Grazing Marsh	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 3.2 Ecological Fencing (inc. highway boundary fence)	E 3.2 Ecological Fencing (inc. highway boundary fence)
Permanent Acquisition of Land	LE 2.1 Woodland	LE 8.2 Water Bodies - Standing Water	LE 8.2 Ancient Woodland Compensation Planting	LE 8.3 Woodland Mitigation Planting	E 3.2 Dormouse Boxes	LE 2.2 Wet / Carr Woodland	E 3.2 Bat Boxes	E 3.2 Ecological Culvert	E 3.2 Bat Barn Block
Grassland (LE 1)	LE 1.3 Species Rich Grassland	LE 2.7 Scattered Trees	LE 8.3 Wetland Mitigation Planting	LE 8.4 Wetland / Fenland Creation	E 3.2 Bat Barn Block	LE 1.31 Species Rich Chalk Grassland	LE 4.3 Native Species Hedge (untrimmed)	LE 8.5 Ecology Pond (indicative symbol only)	
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.2 Woodland Edge	LE 2.8 Scrub / Scattered Scrub	LE 7.4 Reinforced Earth Bund	LE 8.5 Ecology Pond (indicative symbol only)		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	LE 2.5 Shrubs With Intermittent Trees	LE 6.4 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 8.6 Acid Grassland Soil Salvage		LE 2.4 Native Hedgerow With Trees			
		Hedges (LE 4)	Hard Landscape Features (LE 7)			LE 2.4 Native Hedgerow With Trees			
		LE 4.3 Native Species Hedge (untrimmed)	Earthworks						
		LE 4.4 Native Hedgerow With Trees	Proposed Contours						

Client: national highways

Project: LOWER THAMES CROSSING

Status: Initial Status or WIP	Application Document Number: TR010032/APP/6.2	Original Size: A1	Revision: P01.4
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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
P01.4	SO	08/08/2022				

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 (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 Scapes LE 6.2 Banks and Ditches LE 6.21 Banks and Ditches - High Tide Flood Features	<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>Hard Landscape Features (LE 7)</b> LE 7.4 Reinforced Earth Bund <b>Earthworks</b> Proposed Contours
<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 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
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