

Lower Thames Crossing
6.2 Environmental Statement
Figure 2.4: Environmental
Masterplan Section 2 (2 of 10)
(Tracked changes version)

APFP Regulation 5(2)(a)

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

Volume 6

DATE: August 2023

DEADLINE: 3

Deleted: 2

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

VERSION: 3.0

Deleted: 2

Revision history

<u>Version</u>	<u>Date</u>	<u>Submitted at</u>
<u>1.0</u>	<u>31 October 2022</u>	<u>DCO Application</u>
<u>2.0</u>	<u>3 August 2023</u>	<u>Deadline 2</u>
<u>3.0</u>	<u>24 August 2023</u>	<u>Deadline 3</u>

Lower Thames Crossing

Figure 2.4: Environmental Masterplan Section 2 (2 of 10) (Tracked changes version)

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1.2 Scheme Overview	4
1.3 Environmental Masterplan Legend	5
1.4 Section 2	6

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1.1 Schedule of Plans included in this application document 1¶
1.2 Section 2 (Sheets 1-21) 2¶
1.3 Scheme Overview 4¶
1.4 Environmental Masterplan Legend 5¶
1.5 Section 2 6¶

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1.1 Schedule of Plans included in this application document 1¶
1.2 Section 2 (Sheets 1-21) 2¶
1.3 Scheme Overview 4¶
1.4 Environmental Masterplan Legend 5¶
1.5 Section 2 6¶

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1.4 Environmental Masterplan Legend 5¶
1.5 Section 2 6¶

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1.5 Section 2 6¶

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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	P03
HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ- 00007 - Section 2 Sheet 6	TR010032/APP/6.2	P03
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

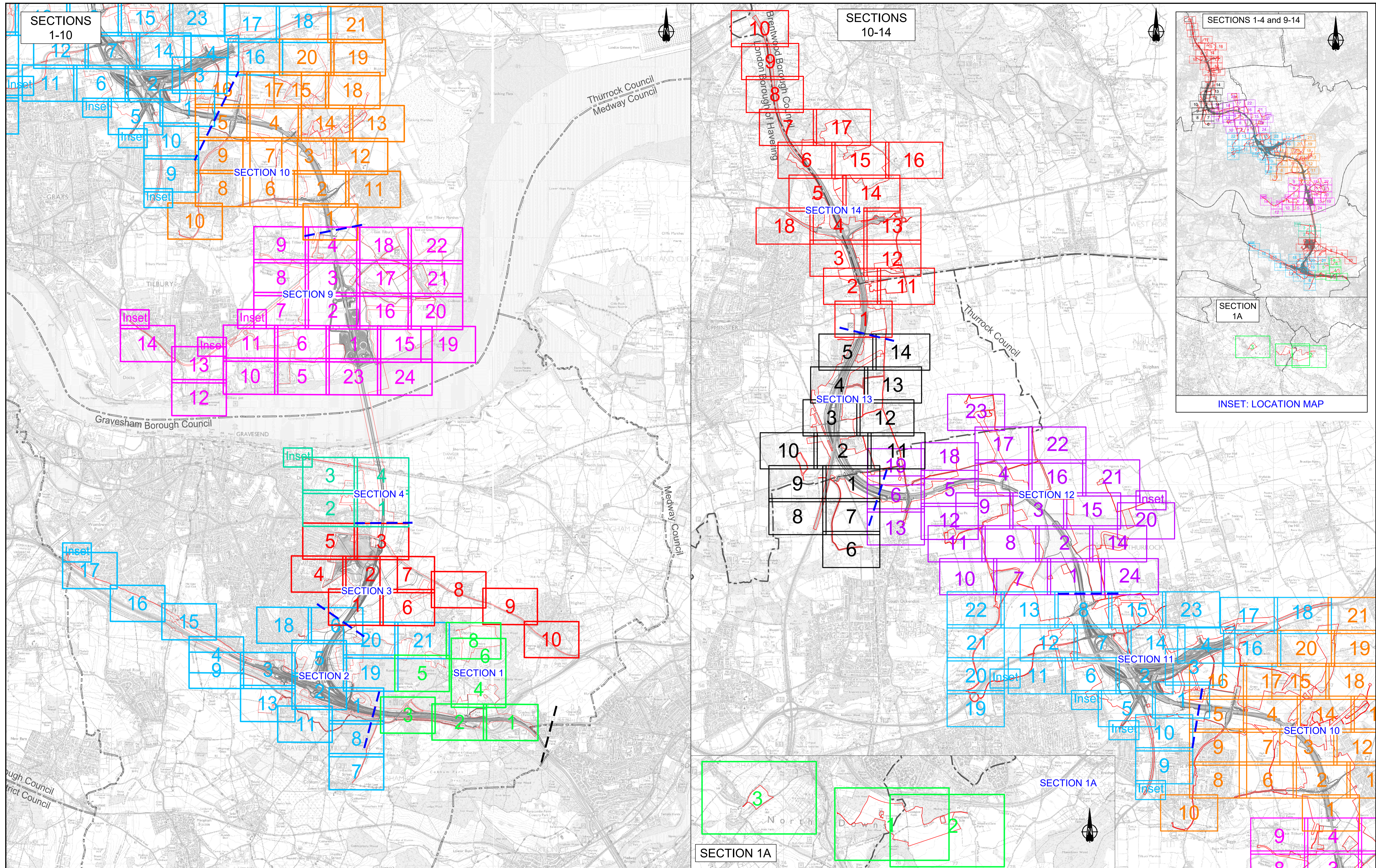
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HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ- 00010 - Section 2 Sheet 9	TR010032/APP/6.2	P01.4
HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ- 00012 - Section 2 Sheet 11	TR010032/APP/6.2	P01.4
HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ- 00014 - Section 2 Sheet 13	TR010032/APP/6.2	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 P02
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

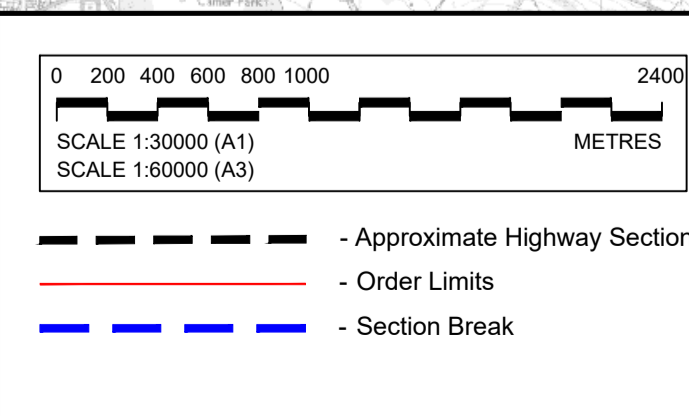
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1.3 Scheme Overview



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
P01.3	SD	2021/09/23				



Section Layout Key:

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

NOTE: Development of the Project design has resulted in the removal of some sheets forming part of the Environmental Masterplan, where acquisition of land for the Project is no longer required. In this instance, the original sheet numbering has been retained and therefore the sheet numbering shown on this Scheme Overview plan is not always consecutive.

For information, the following sheets have been omitted:

Section 1

- Sheet 7 (HE540039-CJV-EGN-S01_EN000000_Z-DR-ZZ-00008)

Section 2

- Sheet 10 (HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00011)
- Sheet 12 (HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00013)
- Sheet 14 (HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00015)

Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	Application Document Number	Original Size	Revision
	TR010032/APP/6.2	A1	P01.3
Drawing title	Drawing Number		
ENVIRONMENTAL MASTERPLAN SCHEME OVERVIEW	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

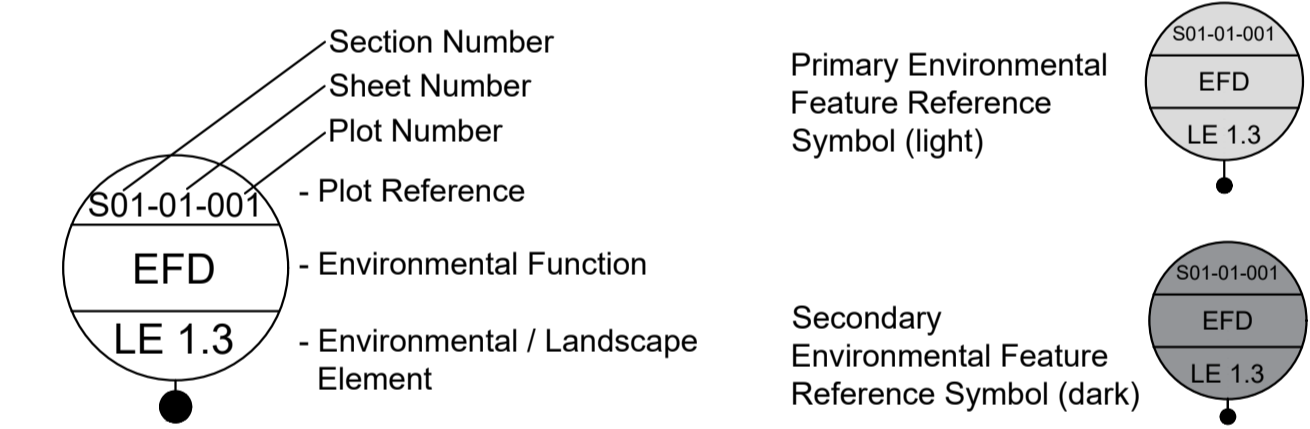
The outline Landscape and Ecology Management Plan (LEMP) separately sets out the proposed management for the environmental / landscape elements shown on the Environmental Masterplan. The Environment Masterplan secures the spatial extent and location of the environmental / landscape elements detailed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

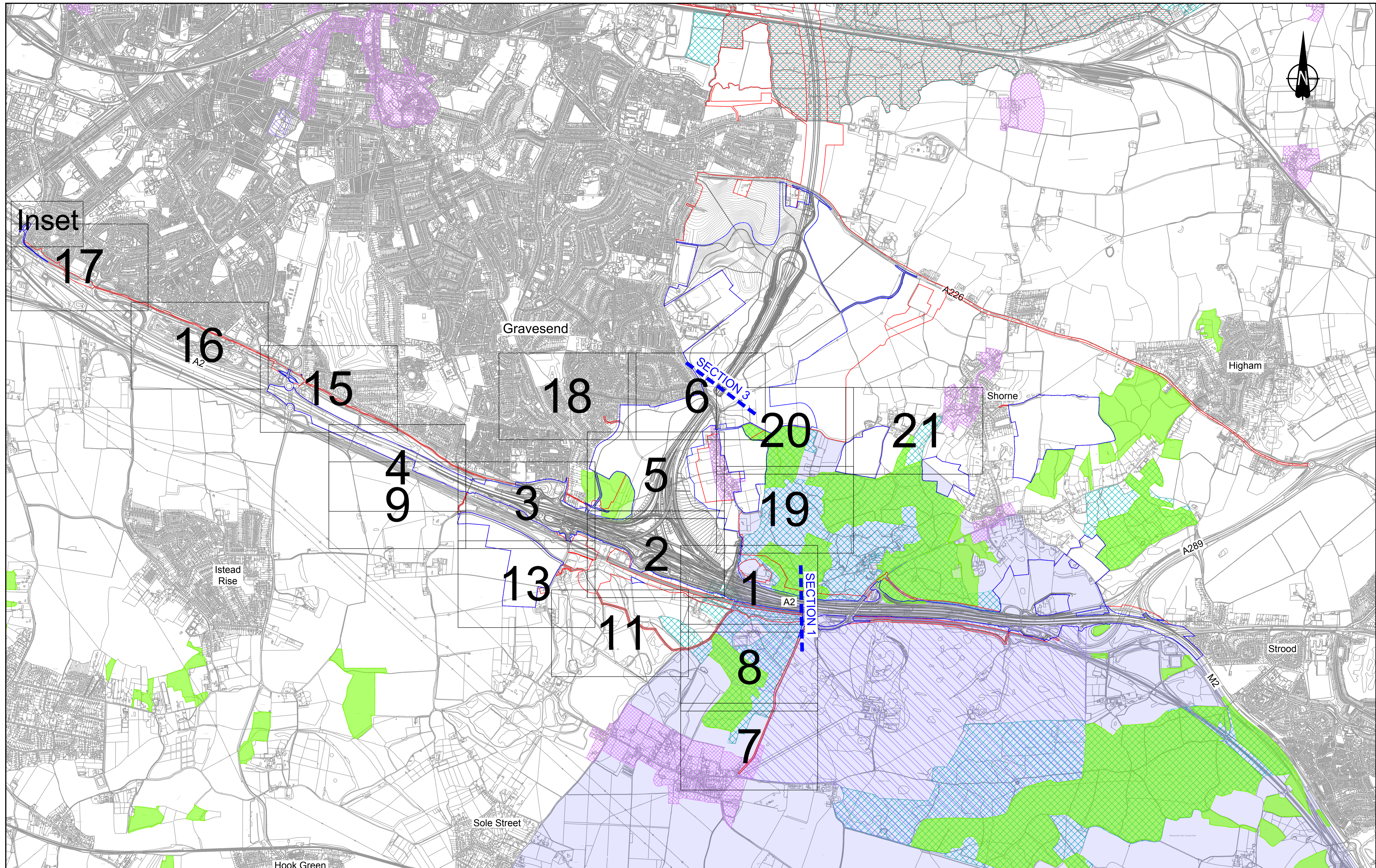
For further detail on the Landscape Design and Special Category Land shown within these plans, as well as the associated background and approach, please refer to the Project Design Report, Volume 2 Book of Plans, and Design Principles document (Application Documents 7.4, 6.2 and 7.5 respectively).

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

1.5 Section 2



Inset
17

16
A2

15

18

6
SECTION 3

20

21

4
9

3

5

19

Istead Rise

13

2

1
A2
SECTION 1

11

8

A289

Strood

7

M2

Sole Street

Hook Green

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SCALE 1:5000 (A1)
SCALE 1:10000 (A3)

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

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

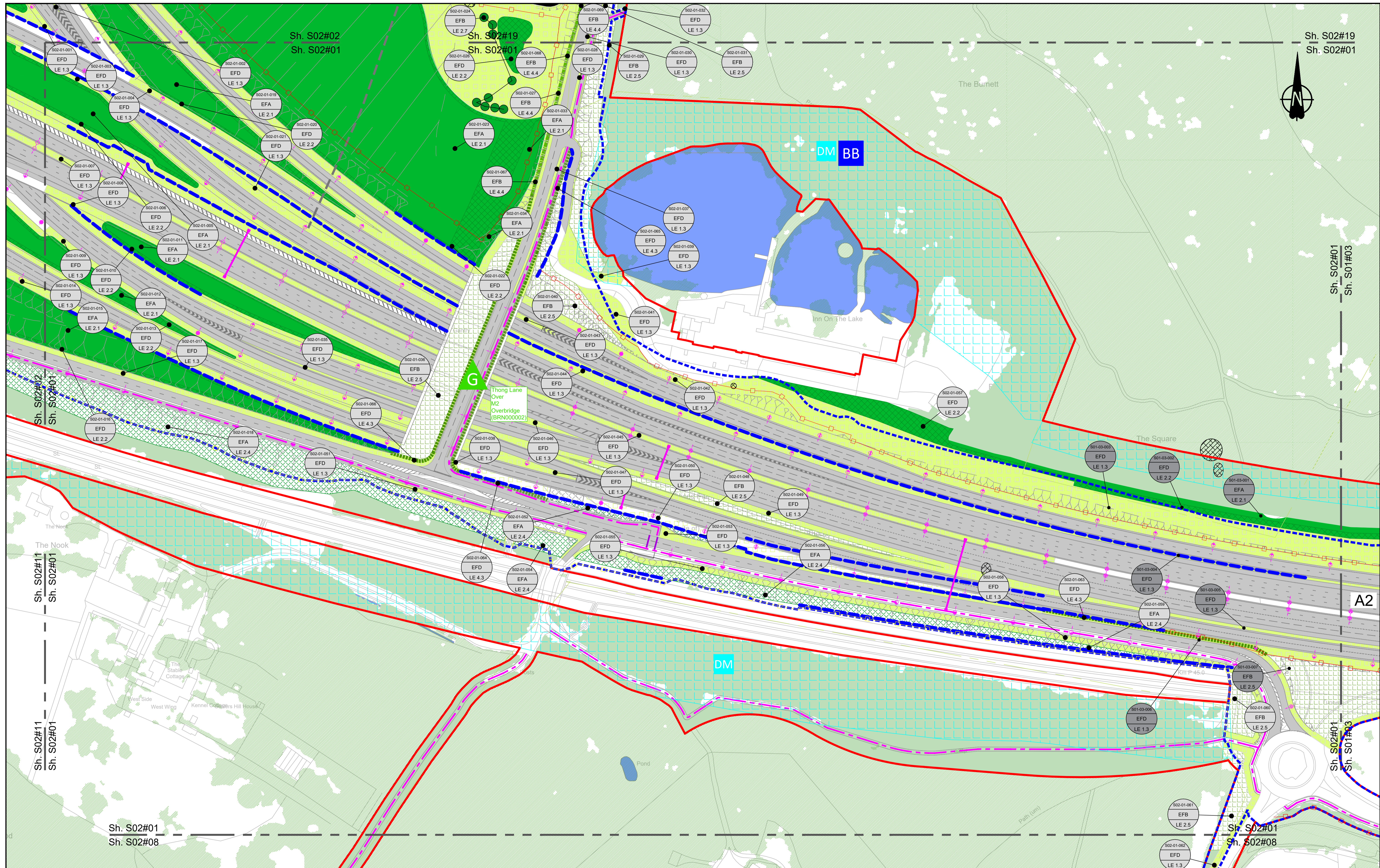
LEGEND

Order Limits	Registered Parks and Gardens
Permanent Acquisition of Land	Ramsar Sites
Area of Outstanding Natural 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	P01.6
Drawing title	ENVIRONMENTAL MASTERPLAN OVERVIEW PLAN SECTION 2		
Drawing Number	HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00001		



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0 10 20 30 40 50 60 70 80 90 100
SCALE 1:1250 (A1)
SCALE 1:2500 (A3)
METRES

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

P01	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

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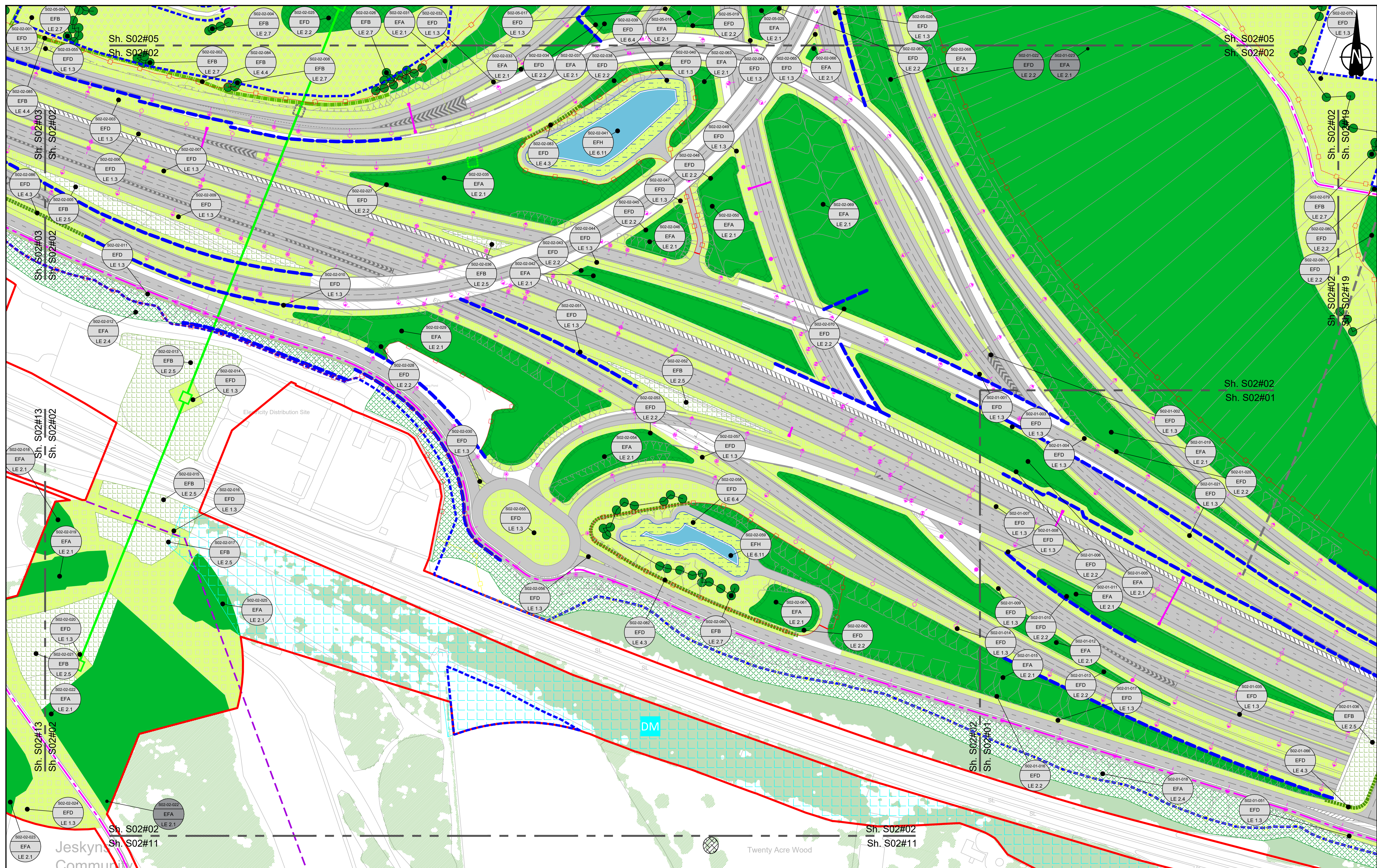
Order Limits	Planting (LE 2)	LE 2.1 Woodland	LE 2.5 Shrubs With Intermittent Trees	Individual Trees (LE 5)	LE 5.1 Individual Trees	Wetland Habitats (LE 6)	LE 6.4 Wet Grassland	Ecological Habitats (LE 8)	LE 8.1 Open Mosaic Habitat	Noise (E 1)	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	Ecological (E 3)	E 3.2 Ecological Fencing (inc. highway boundary fence)
Permanent Acquisition of Land	LE 2.11 Woodland With Non-Native Species	LE 2.7 Scattered Trees	LE 6.11 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 8.2 Ancient Woodland Compensation Planting	LE 6.12 Water Bodies - Standing Water	LE 8.3 Woodland Mitigation Planting	E 3.2 Ecological Culvert	E 3.2 Ecological Fencing (inc. highway boundary fence)	LE 2.2 Woodland Edge	LE 6.2 Shallow Scrape	LE 8.4 Wetland / Farmland Creation	E 3.2 Ecological Culvert	E 3.2 Ecological Fencing (inc. highway boundary fence)
Grassland (LE 1)	LE 2.14 Wet / Carr Woodland	LE 2.8 Scrub / Scattered Scrub	LE 7.4 Reinforced Earth Band	LE 8.5 Ecology Pond (indicative symbol only)	LE 1.31 Species Rich Chalk Grassland	LE 6.2 Barks and Ditches	LE 8.6 Acid Grassland Soil Salvage	E 3.2 Ecological Culvert	LE 2.2 Woodland Edge	LE 1.32 Species Rich Annual Wildflower Grassland	LE 8.2 Wetland Mitigation Planting	E 3.2 Ecological Culvert	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 1.4 Rock and Scree	LE 2.22 Scrub Woodland	LE 4.3 Native Species Hedge (untrimmed)	Earthworks	LE 6.21 Banks and Ditches - High Tide Root Features	LE 2.22 Scrub Woodland	LE 4.4 Native Hedgerow With Trees	Proposed Contours	E 3.2 Ecological Culvert	LE 1.3	LE 1.4 Rock and Scree	LE 7.4 Reinforced Earth Band	E 3.2 Ecological Culvert	E 3.2 Ecological Fencing (inc. highway boundary fence)

LE 2.22 Scrub Woodland	LE 4.3 Native Species Hedge (untrimmed)	LE 4.4 Native Hedgerow With Trees	Proposed Contours	LE 6.21 Banks and Ditches - High Tide Root Features	LE 8.6 Acid Grassland Soil Salvage
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Client: national highways

Project: LOWER THAMES CROSSING

Status: PINS Submission	Application Document Number: TR010032/APP/6.2	Original Size: A1	Revision: P02
Drawing title: ENVIRONMENTAL MASTERPLAN SECTION 2 SHEET 1			
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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0 10 20 30 40 50 60 70 80 90 100 METRES

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

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

P01	S2	25/10/2022	DCO Application	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).

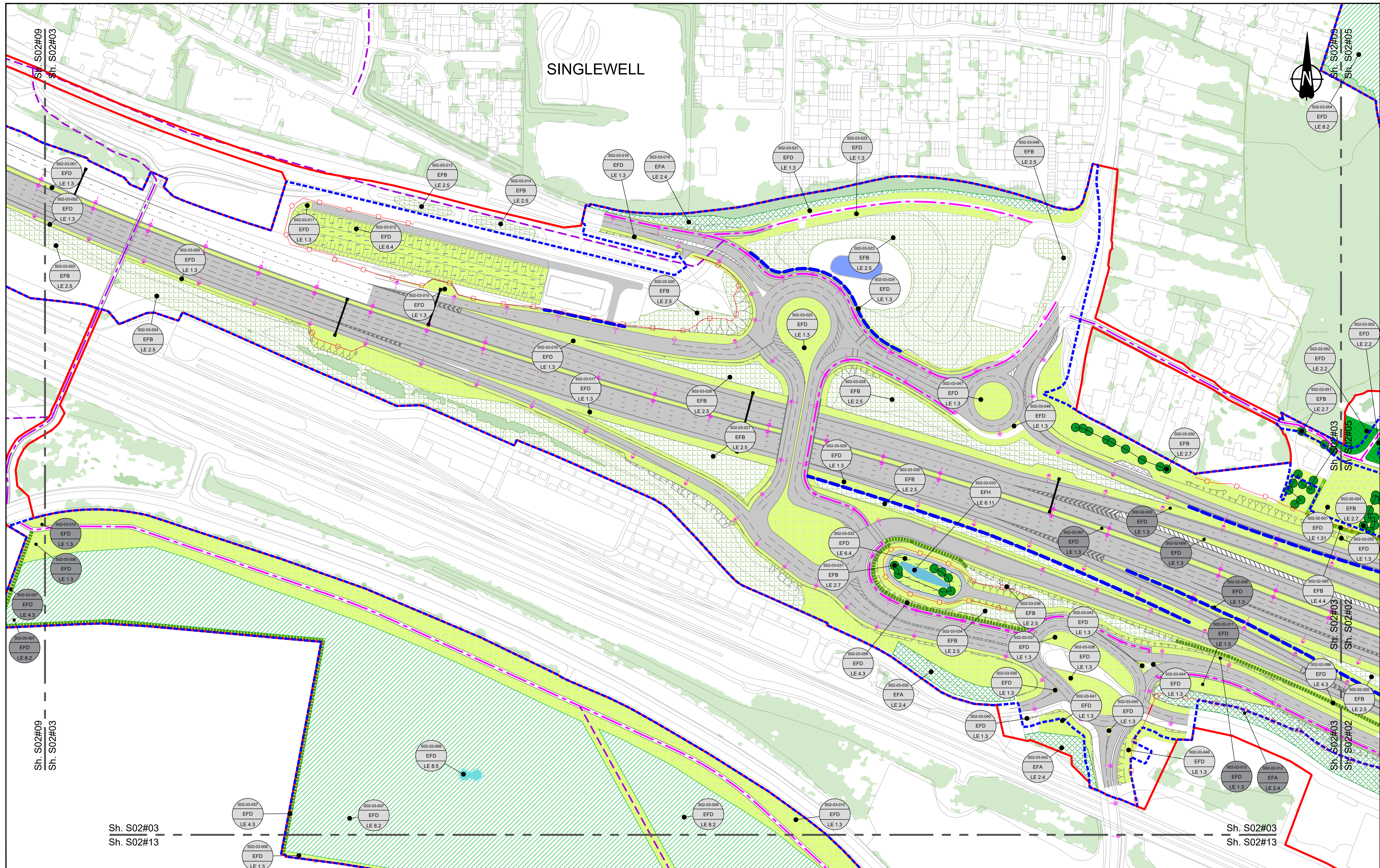
<p>Order Limits</p> <p>Permanent Acquisition of Land</p> <p>Grassland (LE 1)</p> <p>LE 1.3 Species Rich Chalk Grassland</p> <p>LE 1.31 Species Rich Chalk Grassland</p> <p>LE 1.32 Species Rich Annual Wildflower Grassland</p> <p>LE 1.4 Rock and Scree</p>	<p>Planting (LE 2)</p> <p>LE 2.1 Woodland</p> <p>LE 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>Hedges (LE 4)</p> <p>LE 4.3 Native Species Hedge (untrimmed)</p> <p>LE 4.4 Native Hedgerow With Trees</p>	<p>Individual Trees (LE 5)</p> <p>LE 5.1 Individual Trees</p> <p>Wetland Habitats (LE 6)</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 Root Features</p> <p>LE 6.4 Wet Grassland</p> <p>LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh</p> <p>Hard Landscape Features (LE 7)</p> <p>LE 7.4 Reinforced Earth Band</p> <p>Earthworks</p> <p>Proposed Contours</p>	<p>Ecological Habitats (LE 8)</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 / Farmland Creation</p> <p>LE 8.5 Ecology Pond (indicative symbol only)</p> <p>LE 8.6 Acid Grassland Soil Salvage</p>	<p>Noise (E 1)</p> <p>LE 8.7 Nitrogen Deposition (NDEP) Compensation Area</p> <p>LE 1.2 Acoustic Barrier-Built Elements (typically inc. Highway boundary fence)</p> <p>Water (E 2)</p> <p>Flood Compensation Areas (E 2-FCA)</p> <p>Flood Defence (E 2-FD)</p>	<p>Ecological (E 3)</p> <p>E 3.2 Ecological Habitat Creation and Receptor Sites for Protected Species</p> <p>E 3.2 Ecological Fencing (inc. highway boundary fence)</p> <p>E 3.2 Ecological Culvert</p> <p>E 3.2 Bat Barn Block</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	ENVIRONMENTAL MASTERPLAN SECTION 2 SHEET 2				
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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0 10 20 30 40 50 60 70 80 90 100 METRES

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

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

P01	S2	25/10/2022	DCO Application	SA	PS	MH
P02	S9	19/07/2023	Deadline 2	LD	SK	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	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)
Order Limits	LE 2.1 Woodland	LE 5.1 Individual Trees
Permanent Acquisition of Land	LE 2.11 Woodland With Non-Native Species	Wetland Habitats (LE 6)
Grassland (LE 1)	LE 2.14 Wet / Carr Woodland	LE 6.11 Water Bodies - Standing Water
LE 1.3 Species Rich Grassland	LE 2.2 Woodland Edge	LE 6.12 Water Bodies and Associated Plants - Shallow Scraps
LE 1.31 Species Rich Chalk Grassland	LE 2.22 Scrub Woodland	LE 6.2 Banks and Ditches
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.4 Linear Belt of Shrubs and Trees	LE 6.21 Banks and Ditches - High Tide Root Features
LE 1.4 Rock and Scree		

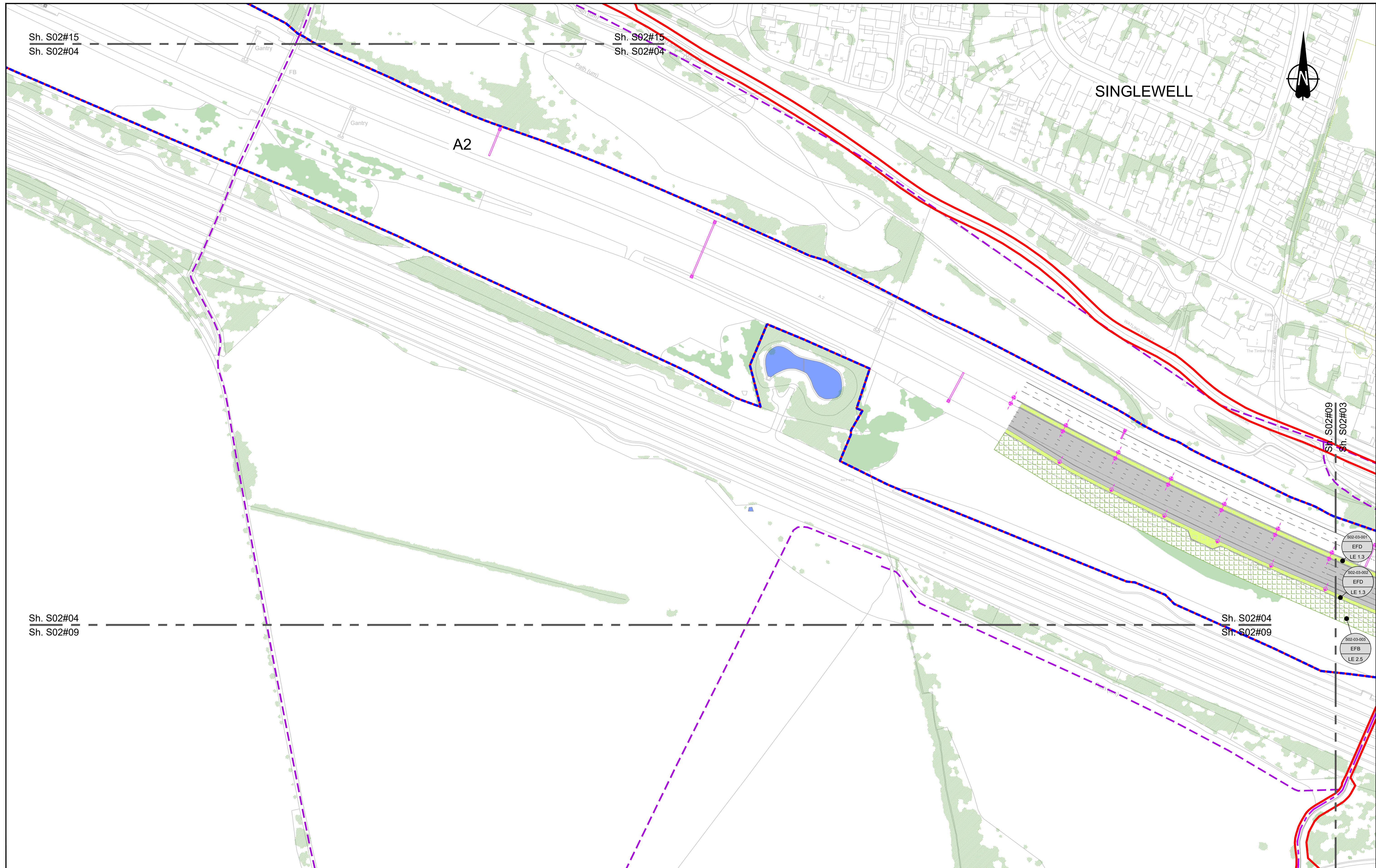
Ecological Habitats (LE 8)	Ecological (E 3)	Noise (E 1)
LE 8.1 Open Mosaic Habitat	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species	LE 1.2 Nitrogen Deposition (NDEP) Compensation Area
LE 8.2 Ancient Woodland Compensation Planting	E 3.2 Dormouse Boxes	E 1.2 Acoustic Barrier-Built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

Client: **national highways**

Project: **LOWER THAMES CROSSING**

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

HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00004.dwg



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

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

Project: LOWER THAMES CROSSING

Status: Initial Status or WIP	Original Size: 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.

PO2	S9	19/07/2023	Deadline 2	LD	SK	BF
PO3	S9	24/08/2023	Deadline 3	LD	RO	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-000001)	
Order Limits	Planting (LE 2)
Permanent Acquisition of Land	Individual Trees (LE 5)
Grassland (LE 1)	Wetland Habitats (LE 6)
Ecological Habitats (LE 8)	Hard Landscape Features (LE 7)
Noise (E 1)	Water (E 2)
Ecological (E 3)	Earthworks

Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status: DCO Application

Application Document Number: TR010032/APP/6.2

Scale: 1:1250

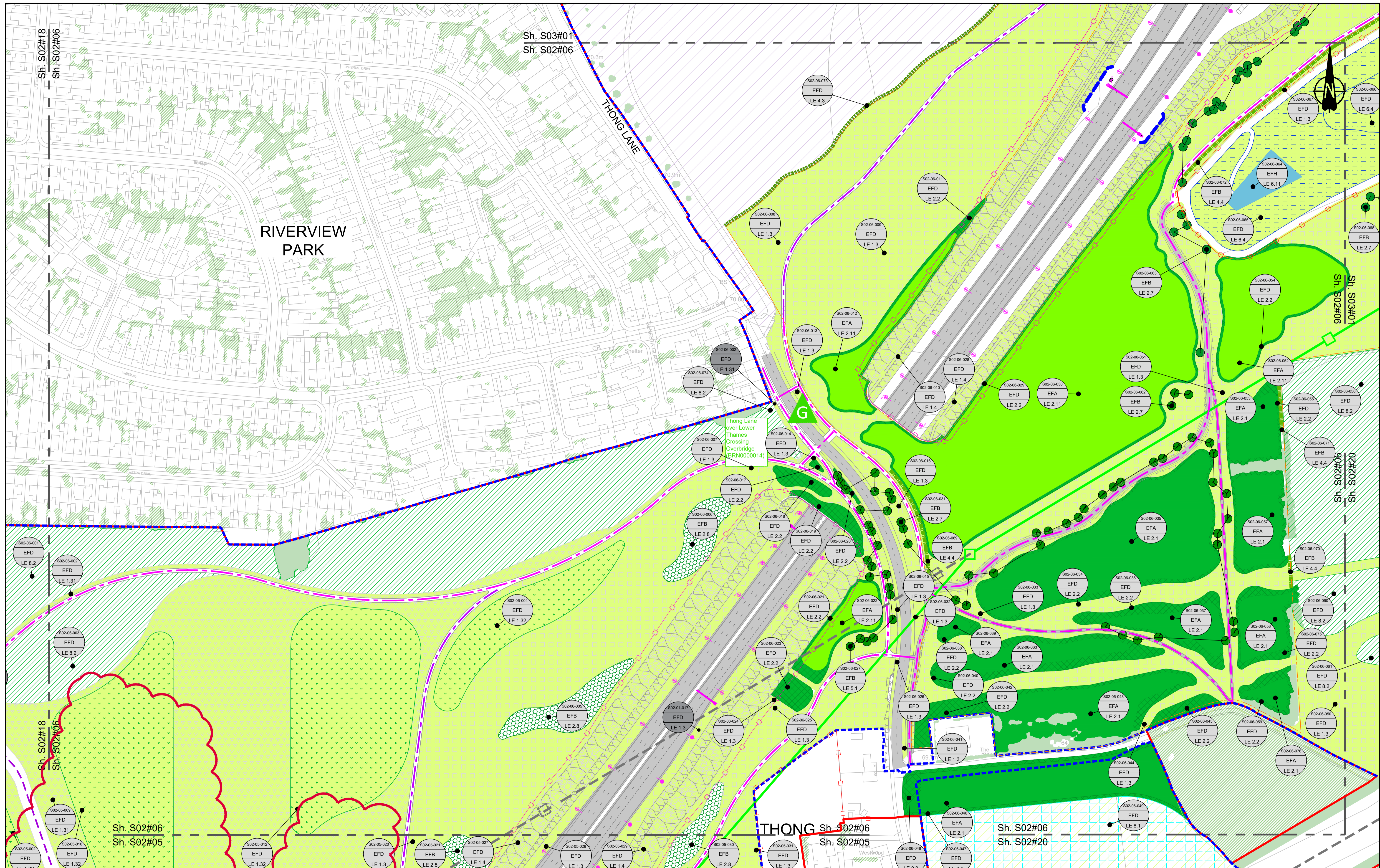
Original Size: A1

Revision: P03

Drawing Title: **ENVIRONMENTAL MASTERPLAN SECTION 2 SHEET 5**

Drawing Number: HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00006

HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00006.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.

P02	S9	19/07/2023	Deadline 2	LD	SK	BF
P03	S9	24/08/2023	Deadline 3	LD	RO	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).

Order Limits	Planting (LE 2)	Individual Trees (LE 5)	Ecological Habitats (LE 8)
Permanent Acquisition of Land	LE 2.1 Woodland	LE 5.1 Individual Trees	LE 8.1 Open Mosaic Habitat
Grassland (LE 1)	LE 2.11 Woodland With Non-Native Species	Wetland Habitats (LE 6)	LE 8.2 Ancient Woodland Compensation Planting
LE 1.3 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	LE 6.2 Banks and Ditches	LE 8.5 Ecology Pond (indicative symbol only)
	LE 2.4 Linear Belt of Shrubs and Trees	LE 6.21 Banks and Ditches - High Tide Root Features	LE 8.6 Acid Grassland Soil Salvage

LE 2.5 Shrubs With Intermittent Trees	LE 6.4 Wet Grassland	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area
LE 2.7 Scattered Trees	LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh	Noise (E 1)
LE 2.8 Scrub / Scattered Scrub	LE 7.4 Reinforced Earth Band	E 1.2 Acoustic Barrier - Built Elements (Typically inc. Highway boundary fence)
Hedges (LE 4)	Earthworks	Water (E 2)
LE 4.3 Native Species Hedge (untrimmed)	Proposed Contours	E 2.1 Flood Compensation Areas (E 2-FCA)
LE 4.4 Native Hedgerow With Trees		E 2.2 Flood Defence (E 2-FD)

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 Bat Owl Box
E 3.2 Bat Boxes	E 3.2 Ecological Culvert
E 3.2 Ecological Culvert	E 3.2 Bat Block

Client:

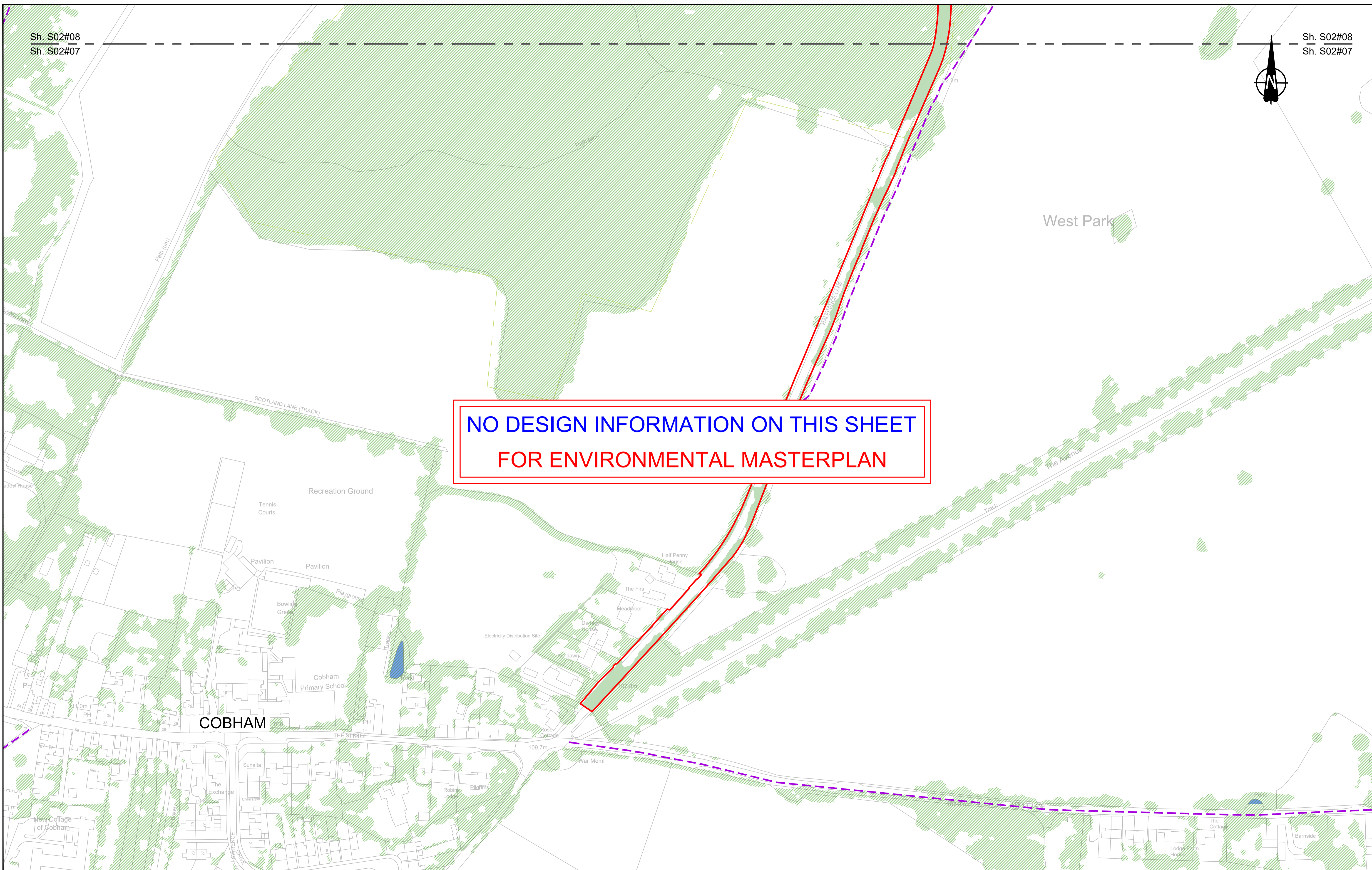
Project: **LOWER THAMES CROSSING**

Status	DCO EXAMINATION	Original Size	A1	Revision	P03
Application Document Number	TR010032/APP/6.2	Scale	1:1250		
Drawing Title	ENVIRONMENTAL MASTERPLAN SECTION 2 SHEET 6				
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**



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

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P01.5	S0	27/07/2022				

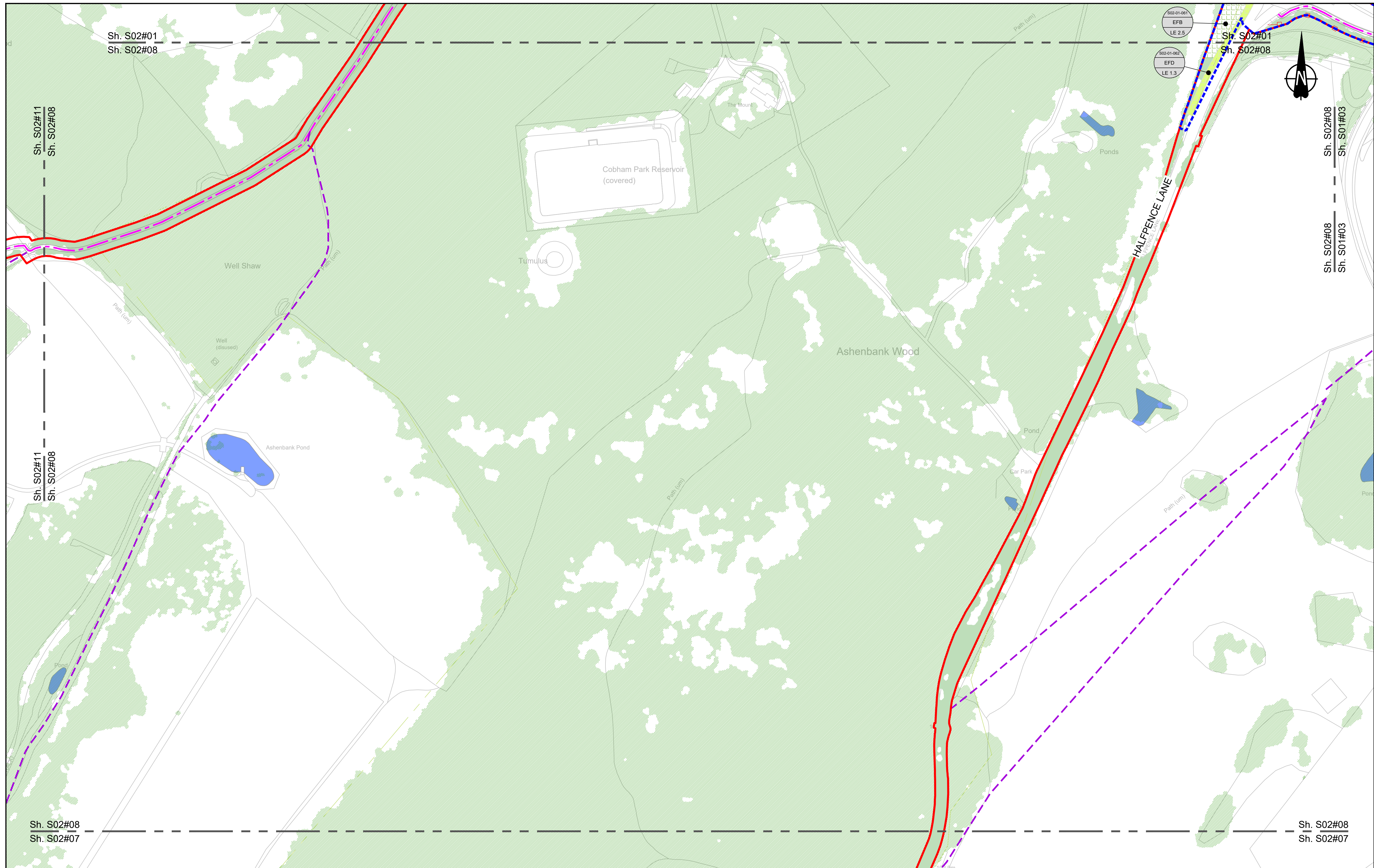
Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

Order Limits Permanent Acquisition of Land	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 Root Features	LE 6.4 Wet Grassland LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh Hard Landscape Features (LE 7) LE 7.4 Reinforced Earth Bund Earthworks Proposed Contours	Ecological Habitats (LE 8) LE 8.1 Open Mosaic Habitat LE 8.2 Ancient Woodland Compensation Planting LE 8.3 Woodland Mitigation Planting LE 8.4 Wetland / Farmland Creation LE 8.5 Ecology Pond (indicative symbol only) LE 8.6 Acid Grassland Soil Salvage	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area Noise (E 1) E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence) Water (E 2) Flood Compensation Areas (E 2-FCA) Flood Defence (E 2-FD)	Ecological (E 3) E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species E 3.2 Dormouse Boxes E 3.2 Bat Boxes E 3.2 Ecological Culvert E 3.2 Bat Barn Block E 3.2 Ecological Fencing (inc. highway boundary fence) E 3.2 Barn Owl Box
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Client: national highways

Project: LOWER THAMES CROSSING

Status: Initial Status or WIP	Original Size: A1	Revision: P01.5
Application Document Number: TR010032/APP/6.2	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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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>Order Limits</p> <p>Permanent Acquisition of Land</p> <p>Grassland (LE 1)</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>Planting (LE 2)</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>Hedges (LE 4)</p> <p>LE 4.3 Native Species Hedge (untrimm'd)</p> <p>LE 4.4 Native Hedgerow With Trees</p>	<p>Individual Trees (LE 5)</p> <p>LE 5.1 Individual Trees</p> <p>Wetland Habitats (LE 6)</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>Hard Landscape Features (LE 7)</p> <p>LE 7.4 Reinforced Earth Bund</p> <p>Earthworks</p> <p>Proposed Contours</p>	<p>Ecological Habitats (LE 8)</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 / Farmland 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>Noise (E 1)</p> <p>E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)</p> <p>Water (E 2)</p> <p>Flood Compensation Areas (E 2-FCA)</p> <p>Flood Defence (E 2-FD)</p>	<p>Ecological (E 3)</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

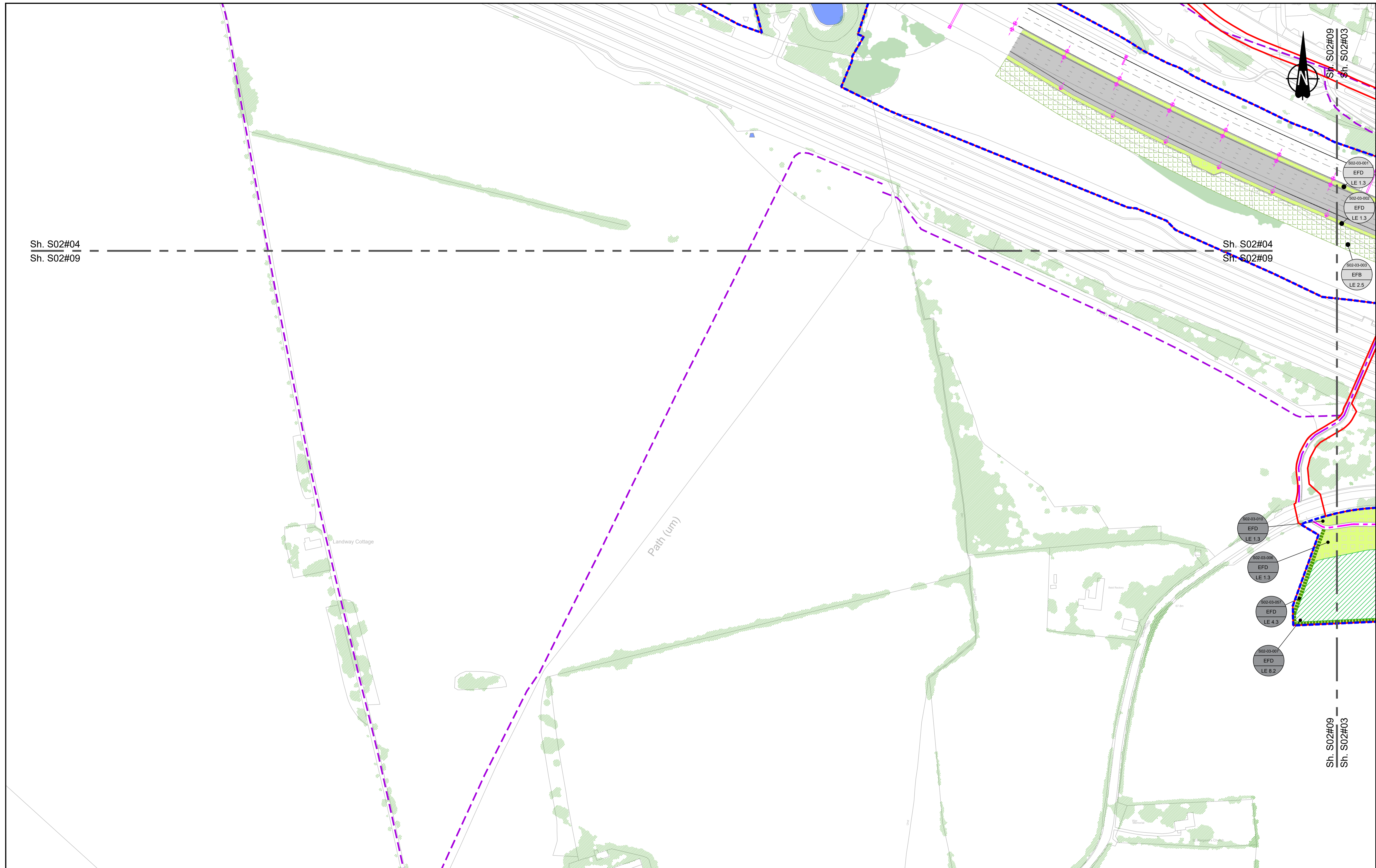
Project

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	ENVIRONMENTAL MASTERPLAN SECTION 2 SHEET 8		
Drawing Number	HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00009		

HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00009.dwg



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)
METRES

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
P01.3	SO	28/06/2021				

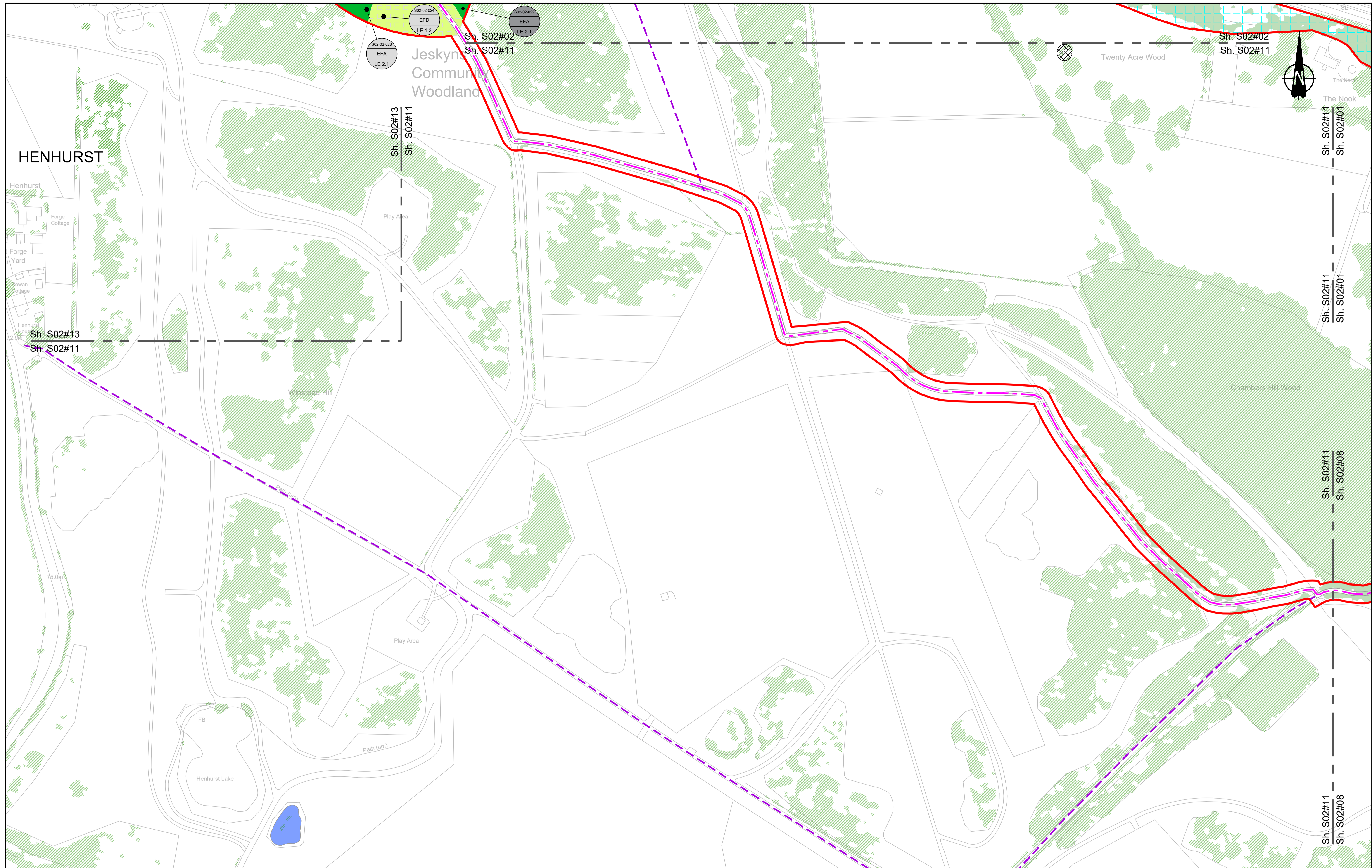
Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

<p>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 <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 	<ul style="list-style-type: none"> E 3.2 Barn Owl Box E 3.2 Ecological Fencing (inc. highway boundary fence)
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Client:

Project: LOWER THAMES CROSSING

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.3
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 2 SHEET 9		
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

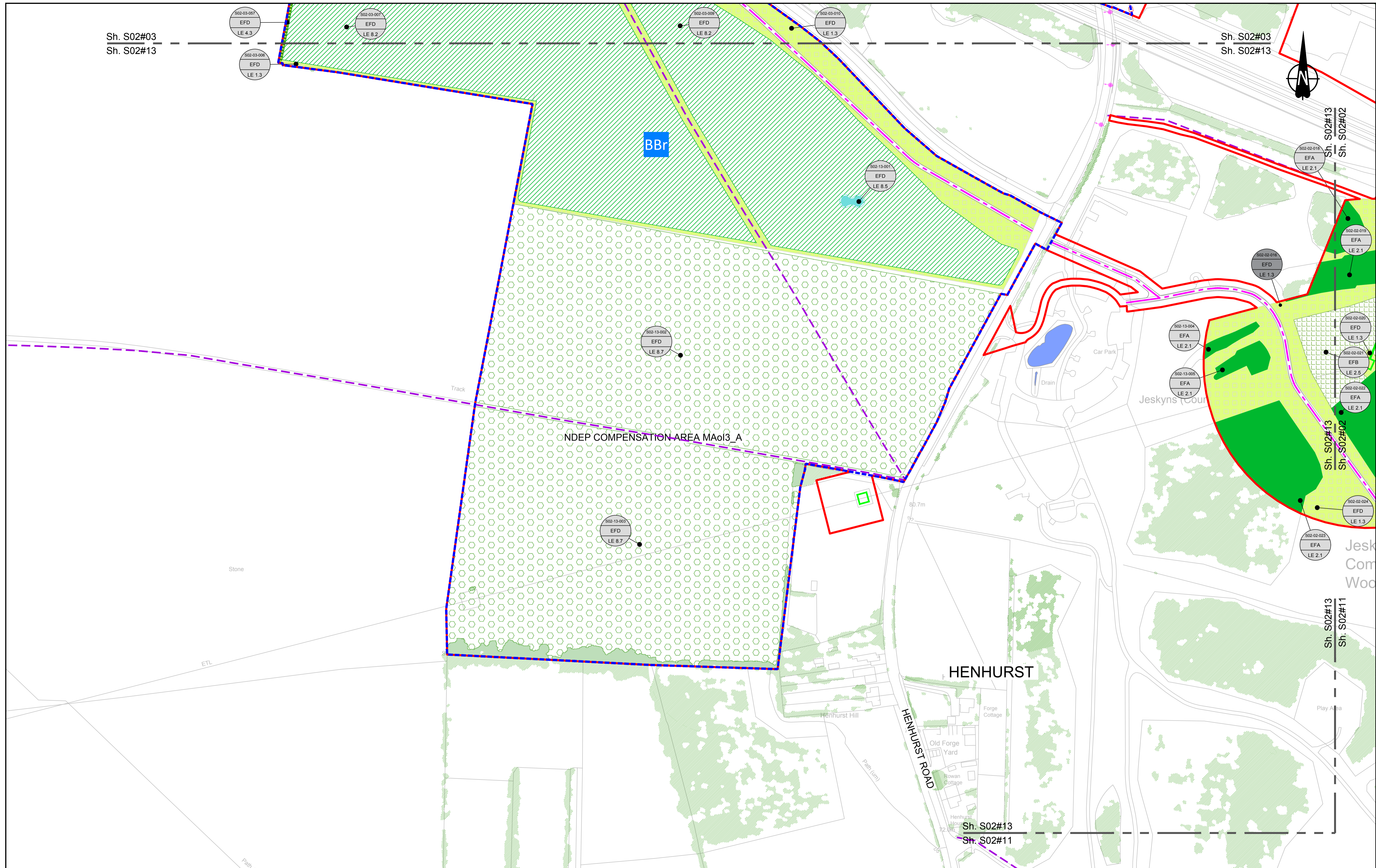
Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

Order Limits	Grassland (LE 1)	Planting (LE 2)	Shrubs With Intermittent Trees	Individual Trees (LE 5)	Wetland Habitats (LE 6)	Hard Landscape Features (LE 7)	Ecological Habitats (LE 8)	Noise (E 1)	Water (E 2)	Ecological (E 3)	E 3.2 Barn Owl Box	E 3.2 Ecological Fencing (inc. highway boundary fence)
Order Limits	LE 1.3 Species Rich Grassland	LE 2.1 Woodland	LE 2.5 Shrubs With Intermittent Trees	LE 5.1 Individual Trees	LE 6.1 Wet Grassland	LE 7.4 Wet Grassland	LE 8.1 Open Mosaic Habitat	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	LE 2.1 Woodland	LE 8.2 Ancient Woodland Compensation Planting	E 3.2 Ecological Fencing (inc. highway boundary fence)	E 3.2 Ecological Fencing (inc. highway boundary fence)
Permanent Acquisition of Land	LE 1.31 Species Rich Chalk Grassland	LE 2.11 Woodland With Non-Native Species	LE 2.7 Scattered Trees	LE 5.2 Water Bodies	LE 6.2 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 7.4 Reinforced Earth Band	LE 8.2 Ancient Woodland Compensation Planting	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	LE 2.2 Woodland Edge	LE 8.3 Woodland Mitigation Planting	E 3.2 Bat Boxes	E 3.2 Ecological Culvert
Grassland (LE 1)	LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.14 Wet / Carr Woodland	LE 2.8 Scrub / Scattered Scrub	LE 5.3 Water Bodies and Associated Plants - Shallow Scrape	LE 6.4 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 7.4 Reinforced Earth Band	LE 8.3 Woodland Mitigation Planting	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	LE 2.22 Scrub Woodland	LE 8.4 Wetland / Fenland Creation	E 3.2 Bat Blocks	E 3.2 Ecological Culvert
Order Limits	LE 1.4 Rock and Scree	LE 2.22 Scrub Woodland	Hedges (LE 4)	LE 6.2 Banks and Ditches	LE 6.4 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 7.4 Reinforced Earth Band	LE 8.4 Wetland / Fenland Creation	E 2.1 Flood Compensation Areas (E 2-FCA)	LE 2.4 Linear Belt of Shrubs and Trees	LE 8.5 Ecology Pond (indicative symbol only)	E 3.2 Bat Barn Block	E 3.2 Ecological Culvert
Order Limits		LE 2.4 Linear Belt of Shrubs and Trees	LE 4.3 Native Species Hedge (untrimmed)	LE 6.2 Banks and Ditches - High Tide Roost Features	LE 6.4 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 7.4 Reinforced Earth Band	LE 8.4 Wetland / Fenland Creation	E 2.2 Flood Defence (E 2-FD)		LE 8.5 Ecology Pond (indicative symbol only)		
Order Limits			LE 4.4 Native Hedgerow With Trees				LE 8.5 Ecology Pond (indicative symbol only)					
Order Limits							LE 8.6 Acid Grassland Soil Salvage					
Order Limits												

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 11		
Drawing Number	HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00012		



Sh. S02#03
Sh. S02#13

Sh. S02#03
Sh. S02#13

Sh. S02#13
Sh. S02#02

Sh. S02#13
Sh. S02#02

Sh. S02#13
Sh. S02#11

Sh. S02#13
Sh. S02#11

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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.

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

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

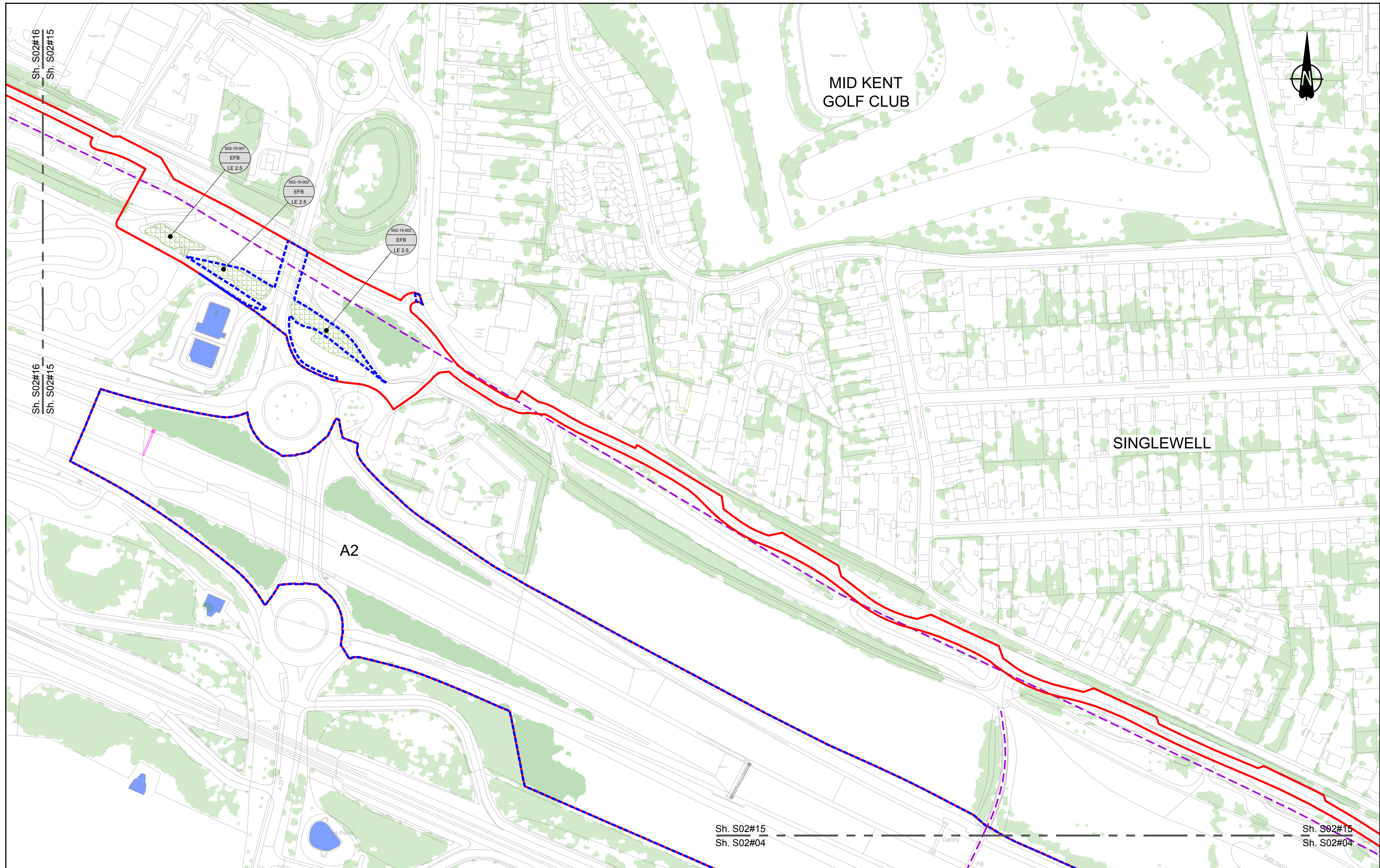
Order Limits	Planting (LE 2)	Individual Trees (LE 5)
Permanent Acquisition of Land	LE 2.1 Woodland	LE 5.1 Individual Trees
Grassland (LE 1)	LE 2.11 Woodland With Non-Native Species	Wetland Habitats (LE 6)
LE 1.3 Species Rich Grassland	LE 2.14 Wet / Carr Woodland	LE 6.1 Water Bodies - Standing Water
LE 1.31 Species Rich Chalk Grassland	LE 2.2 Woodland Edge	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.22 Scrub Woodland	LE 6.2 Banks and Ditches
LE 1.4 Rock and Scree	LE 2.4 Linear Belt of Shrubs and Trees	LE 6.21 Banks and Ditches - High Tide Roost Features
LE 2.5 Shrubs With Intermittent Trees	Hedges (LE 4)	LE 6.4 Marsh and Wet Grassland - Coastal Grazing Marsh
LE 2.7 Scattered Trees	LE 4.3 Native Species Hedge (untrimmed)	LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh
LE 2.8 Scrub / Scattered Scrub	LE 4.4 Native Hedgerow With Trees	Hard Landscape Features (LE 7)
Wetland Habitats (LE 6)	Earthworks	LE 7.4 Reinforced Earth Bund
LE 6.1 Water Bodies - Standing Water	Proposed Contours	LE 8.1 Open Mosaic Habitat
LE 6.12 Water Bodies and Associated Plants - Shallow Scrape	Ecological Habitats (LE 8)	LE 8.2 Ancient Woodland Compensation Planting
LE 6.2 Banks and Ditches	LE 8.3 Woodland Mitigation Planting	LE 8.4 Wetland / Fenland Creation
LE 6.21 Banks and Ditches - High Tide Roost Features	LE 8.5 Ecology Pond (indicative symbol only)	LE 8.6 Acid Grassland Soil Salvage

LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	Ecological (E 3)	E 3.2 Ecological Fencing (inc. highway boundary fence)
Noise (E 1)	E 3.2 Ecological Culvert	E 3.2 Ecological Fencing (inc. highway boundary fence)
E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 3.2 Bat Boxes	E 3.2 Ecological Fencing (inc. highway boundary fence)
Water (E 2)	E 3.2 Bat Boxes	E 3.2 Ecological Fencing (inc. highway boundary fence)
Flood Compensation Areas (E 2-FCA)	E 3.2 Bat Boxes	E 3.2 Ecological Fencing (inc. highway boundary fence)
Flood Defence (E 2-FD)	E 3.2 Bat Boxes	E 3.2 Ecological Fencing (inc. highway boundary fence)
Flood Compensation Areas (E 2-FCA)	E 3.2 Bat Boxes	E 3.2 Ecological Fencing (inc. highway boundary fence)
Flood Defence (E 2-FD)	E 3.2 Bat Boxes	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: P01.4
Application Document Number: TR010032/APP/6.2	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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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).

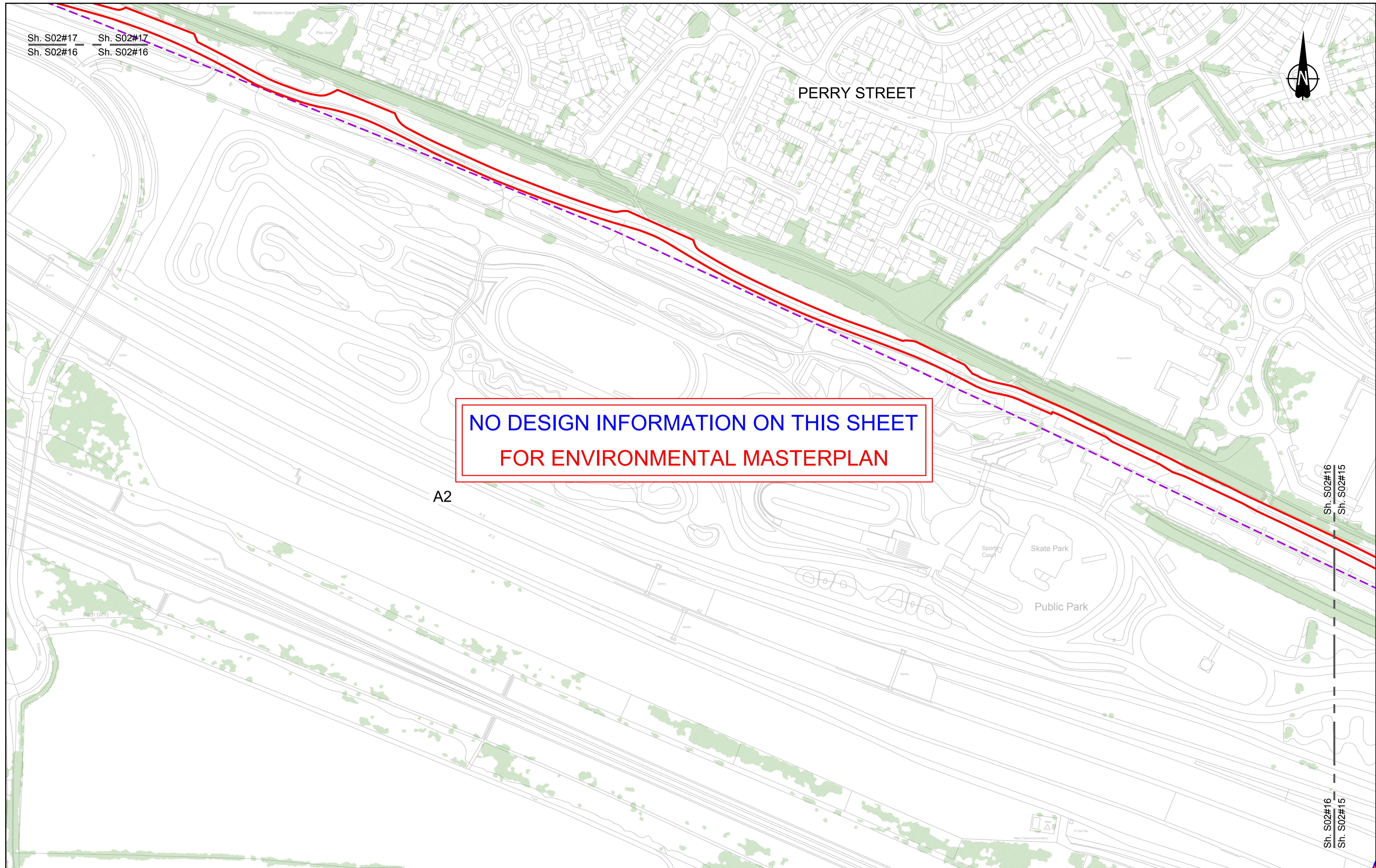
<p>Order Limits</p> <p>Permanent Acquisition of Land</p> <p>Grassland (LE 1)</p> <p>LE 1.3 Species Rich Grassland</p> <p>LE 1.31 Species Rich Chalk Grassland</p> <p>LE 1.32 Species Rich Annual Wildflower Grassland</p> <p>LE 1.4 Rock and Scree</p>	<p>Planting (LE 2)</p> <p>LE 2.1 Woodland</p> <p>LE 2.11 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>Hedges (LE 4)</p> <p>LE 4.3 Native Species Hedge (untimmed)</p> <p>LE 4.4 Native Hedgerow With Trees</p>	<p>Individual Trees (LE 5)</p> <p>LE 5.1 Individual Trees</p> <p>Wetland Habitats (LE 6)</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>Hard Landscape Features (LE 7)</p> <p>LE 7.4 Reinforced Earth Bund</p> <p>Earthworks</p> <p>Proposed Contours</p>	<p>Ecological Habitats (LE 8)</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>Noise (E 1)</p> <p>E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)</p> <p>Water (E 2)</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>Ecological (E 3)</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	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**

A2

Sh. S02#16
Sh. S02#15
Sh. S02#16
Sh. S02#15

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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

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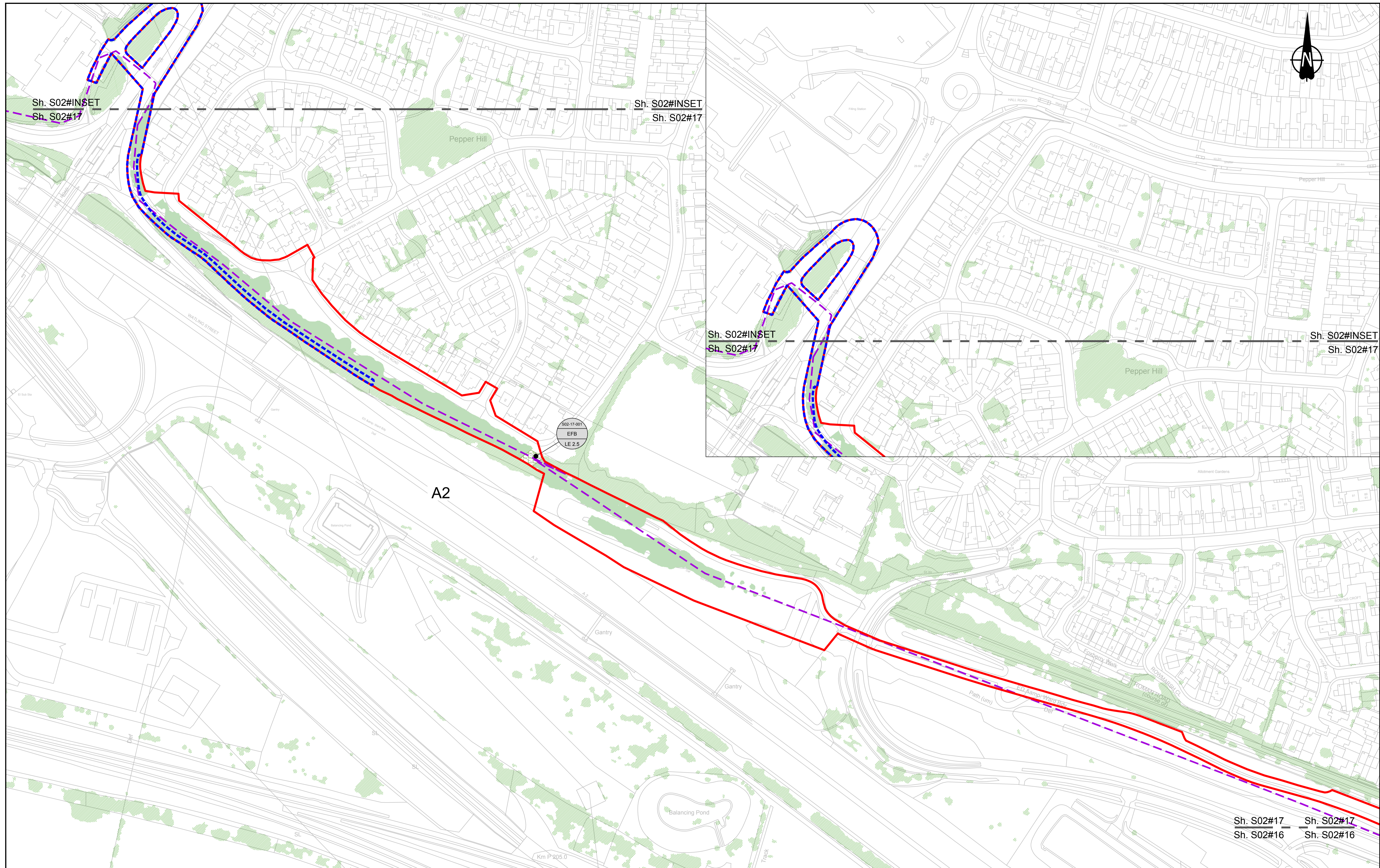
<p>Order Limits</p> <ul style="list-style-type: none"> Permanent Acquisition of Land <p>Grassland (LE 1)</p> <ul style="list-style-type: none"> LE 1.3 Species Rich Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual Wildflower Grassland LE 1.4 Rock and Scree 	<p>Planting (LE 2)</p> <ul style="list-style-type: none"> LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species LE 2.14 Wet / Carr Woodland LE 2.2 Woodland Edge LE 2.22 Scrub Woodland LE 2.4 Linear Belt of Shrubs and Trees <p>Hedges (LE 4)</p> <ul style="list-style-type: none"> LE 4.3 Native Species Hedge (untrimm'd) LE 4.4 Native Hedgerow With Trees 	<p>Individual Trees (LE 5)</p> <ul style="list-style-type: none"> LE 5.1 Individual Trees <p>Wetland Habitats (LE 6)</p> <ul style="list-style-type: none"> LE 6.11 Water Bodies - Standing Water LE 6.12 Water Bodies and Associated Plants - Shallow Scapes LE 6.2 Barks and Ditches LE 6.21 Barks and Ditches - High Tide Root Features 	<p>Wetland Habitats (LE 6)</p> <ul style="list-style-type: none"> LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh <p>Hard Landscape Features (LE 7)</p> <ul style="list-style-type: none"> LE 7.4 Reinforced Earth Bund <p>Earthworks</p> <ul style="list-style-type: none"> Proposed Contours 	<p>Ecological Habitats (LE 8)</p> <ul style="list-style-type: none"> LE 8.1 Open Mosaic Habitat LE 8.2 Ancient Woodland Compensation Planting LE 8.3 Woodland Mitigation Planting LE 8.4 Wetland / Fenland Creation LE 8.5 Ecology Pond (indicative symbol only) LE 8.6 Acid Grassland Soil Salvage 	<p>Noise (E 1)</p> <ul style="list-style-type: none"> LE 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence) <p>Water (E 2)</p> <ul style="list-style-type: none"> Flood Compensation Areas (E 2-FCA) Flood Defence (E 2-FD) 	<p>Ecological (E 3)</p> <ul style="list-style-type: none"> E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species E 3.2 Dormouse Boxes E 3.2 Bat Boxes E 3.2 Ecological Culvert E 3.2 Bat Barn Block 	<ul style="list-style-type: none"> E 3.2 Ecological Fencing (inc. highway boundary fence) E 3.2 Barn Owl Box
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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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SCALE 1:1250 (A1)
SCALE 1:2500 (A3)

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

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

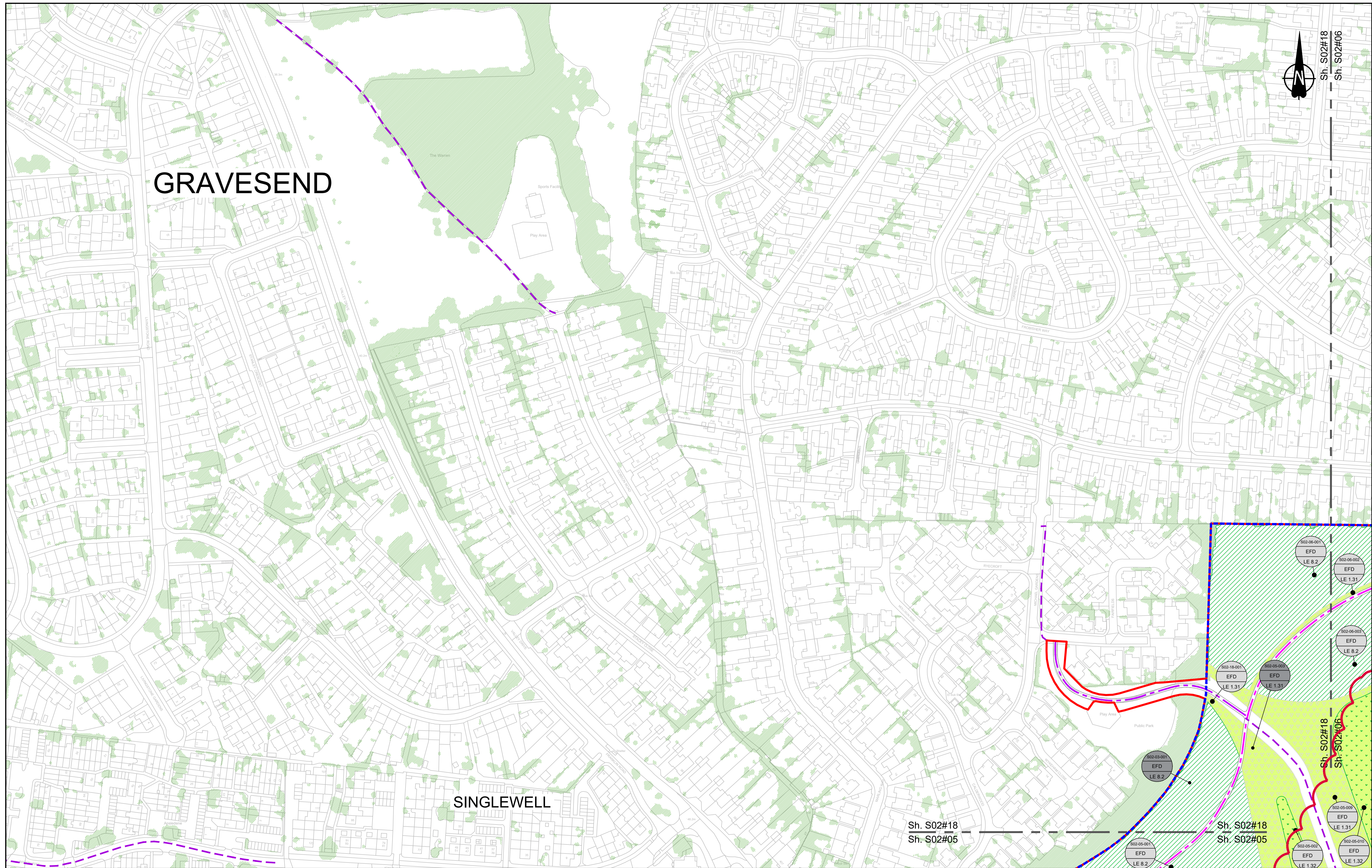
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Order Limits Order Limits Permanent Acquisition of Land Grassland (LE 1) LE 1.3 Species Rich Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual Wildflower Grassland LE 1.4 Rock and Scree	Planting (LE 2) LE 2.1 Woodland LE 2.11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

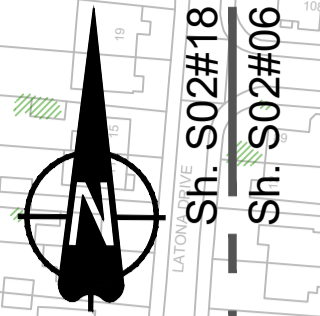
Project: LOWER THAMES CROSSING

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.5
Scale	1:1250		
Drawing Title	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#05

Sh. S02#18
Sh. S02#06

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
P02	S9	24/08/2023	Deadline 3	LD	RO	BF

Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).	
Order Limits	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
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
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 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh
LE 6.12 Water Bodies and Associated Plants - Shallow Scrape	Hard Landscape Features (LE 7)
LE 6.2 Banks and Ditches	LE 7.4 Reinforced Earth Bund
LE 6.21 Banks and Ditches - High Tide Root Features	Earthworks
LE 6.6 Acid Grassland Soil Salvage	Proposed Contours
LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	Ecological (E 3)
LE 8.1 Open Mosaic Habitat	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
LE 8.2 Ancient Woodland Compensation Planting	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 8.3 Woodland Mitigation Planting	E 3.2 Dormouse Boxes
LE 8.4 Wetland / Fenland Creation	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 Barn Block
LE 8.2 Ecology Pond (indicative symbol only)	Noise (E 1)
LE 8.2 Ecology Pond (indicative symbol only)	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)
LE 8.2 Ecology Pond (indicative symbol only)	Water (E 2)
LE 8.2 Ecology Pond (indicative symbol only)	Flood Compensation Areas (E 2-FCA)
LE 8.2 Ecology Pond (indicative symbol only)	E 2.5 Flood Defence (E 2-FD)
LE 8.2 Ecology Pond (indicative symbol only)	E 3.2 Barn Owl Box

Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO EXAMINATION

Application Document Number: TR010032/APP/6.2

Original Size: A1

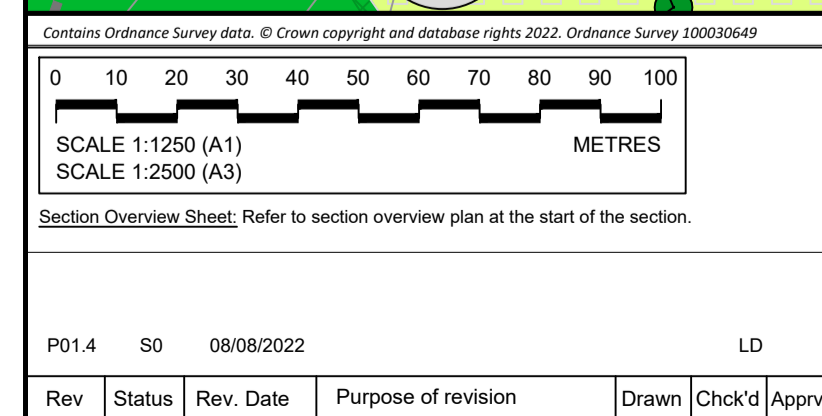
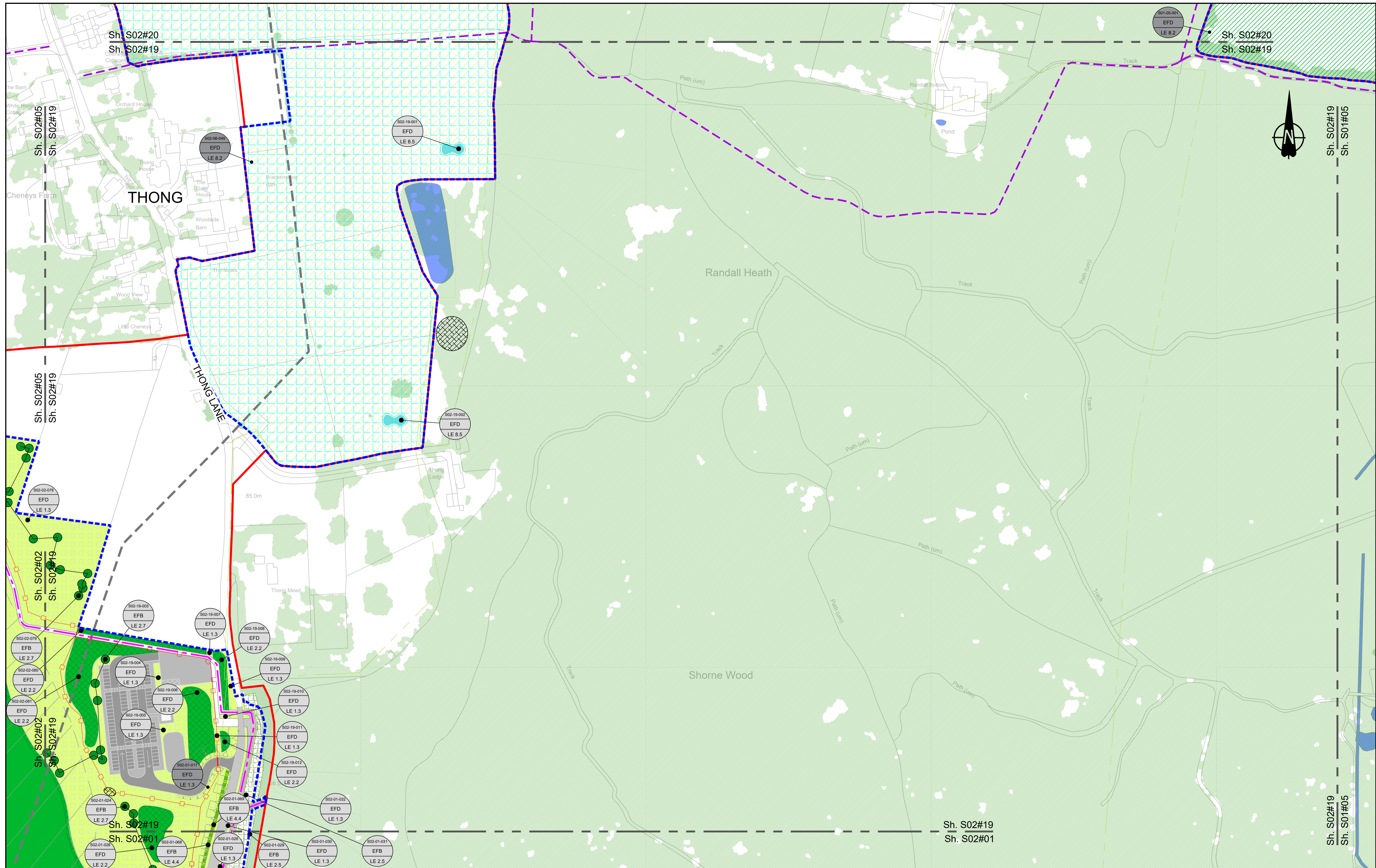
Revision: P02

Scale: 1:1250

Drawing Title: ENVIRONMENTAL MASTERPLAN SECTION 2 SHEET 18

Drawing Number: HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00019

HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00019.dwg



Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZ2_EN000000_Z-DR-ZZ-00001).

Order Limits	Planting (LE 2)	Individual Trees (LE 5)	Ecological Habitats (LE 8)	Noise (E 1)	Ecological (E 3)
Permanent Acquisition of Land	LE 2.1 Woodland	LE 5.1 Individual Trees	LE 8.1 Open Mosaic Habitat	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
Grassland (LE 1)	LE 2.11 Woodland With Non-Native Species	Wetland Habitats (LE 6)	LE 8.2 Ancient Woodland Compensation Planting	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 3.2 Dormouse Boxes
LE 1.3 Species Rich Grassland	LE 2.14 Wet / Carr Woodland	LE 6.1 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 8.3 Woodland Mitigation Planting	Water (E 2)	E 3.2 Bat Boxes
LE 1.31 Species Rich Chalk Grassland	LE 2.2 Woodland Edge	LE 6.12 Water Bodies and Associated Plants - Shallow Scraps	LE 8.4 Wetland / Fenland Creation	Flood Compensation Areas (E 2-FCA)	E 3.2 Ecological Culvert
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.22 Scrub Woodland	LE 6.2 Banks and Ditches	LE 8.5 Ecology Pond (indicative symbol only)	Flood Defence (E 2-FD)	E 3.2 Bat Barn Block
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		
		Hedges (LE 4)			
		LE 4.3 Native Species Hedge (untrimmed)			
		LE 4.4 Native Hedgerow With Trees			
		Hard Landscape Features (LE 7)			
		LE 7.4 Reinforced Earth Bund			
		Earthworks			
		Proposed Contours			

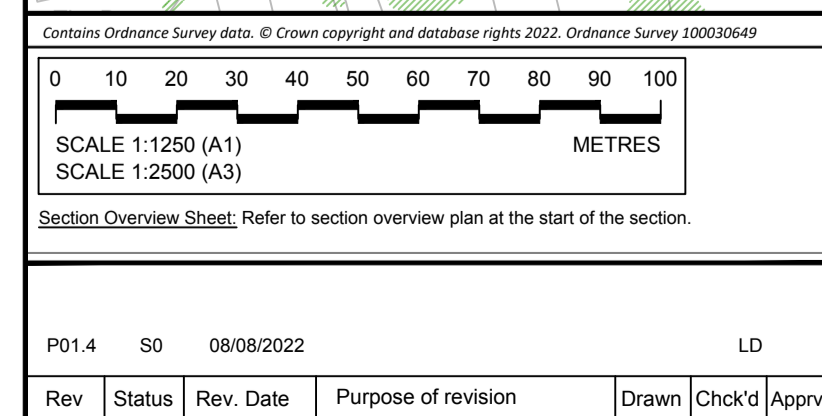
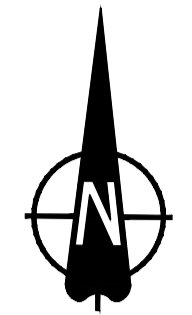
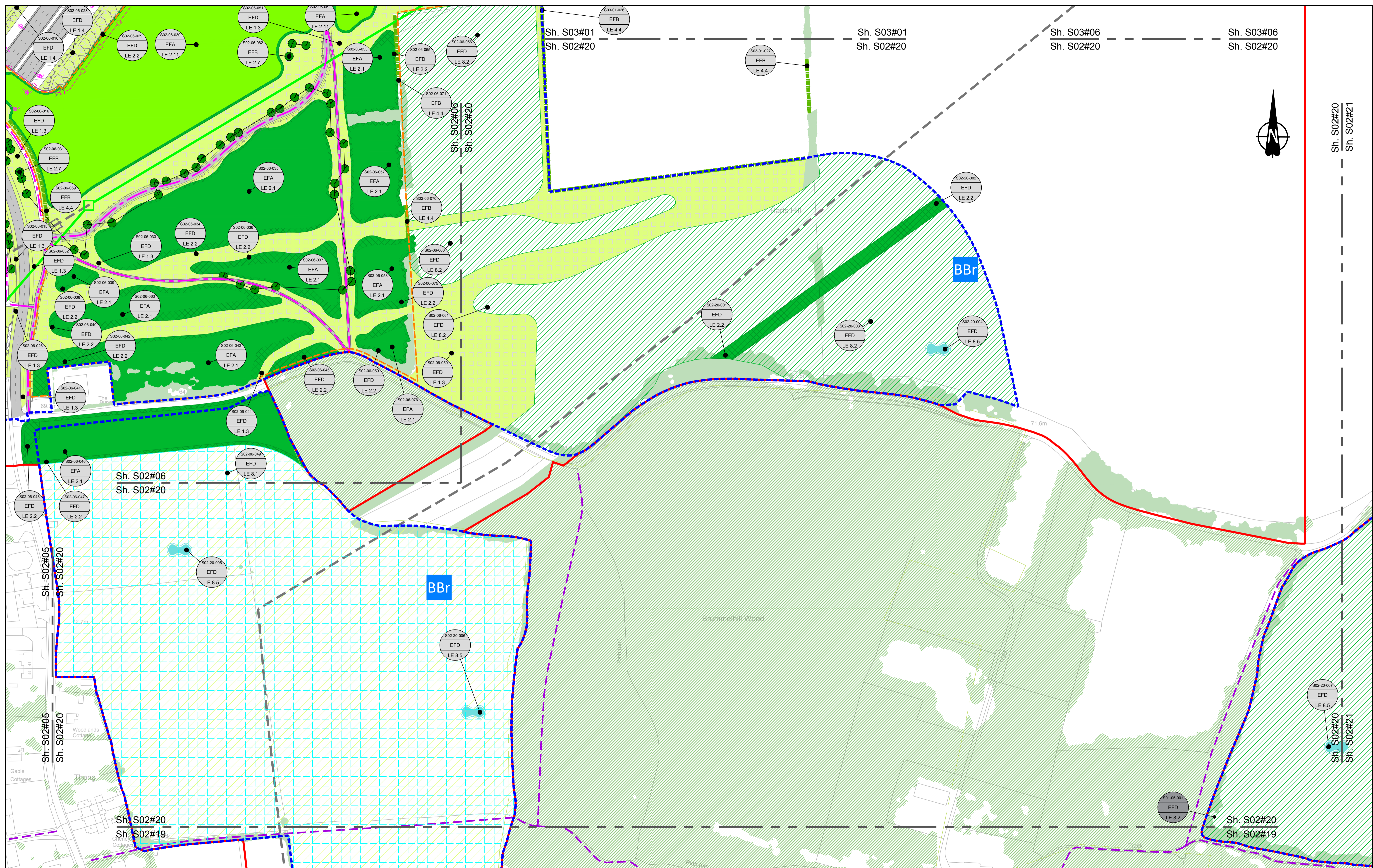
Order Limits	Planting (LE 2)	Individual Trees (LE 5)	Ecological Habitats (LE 8)	Noise (E 1)	Ecological (E 3)
Permanent Acquisition of Land	LE 2.1 Woodland	LE 5.1 Individual Trees	LE 8.1 Open Mosaic Habitat	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
Grassland (LE 1)	LE 2.11 Woodland With Non-Native Species	Wetland Habitats (LE 6)	LE 8.2 Ancient Woodland Compensation Planting	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 3.2 Dormouse Boxes
LE 1.3 Species Rich Grassland	LE 2.14 Wet / Carr Woodland	LE 6.1 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 8.3 Woodland Mitigation Planting	Water (E 2)	E 3.2 Bat Boxes
LE 1.31 Species Rich Chalk Grassland	LE 2.2 Woodland Edge	LE 6.12 Water Bodies and Associated Plants - Shallow Scraps	LE 8.4 Wetland / Fenland Creation	Flood Compensation Areas (E 2-FCA)	E 3.2 Ecological Culvert
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.22 Scrub Woodland	LE 6.2 Banks and Ditches	LE 8.5 Ecology Pond (indicative symbol only)	Flood Defence (E 2-FD)	E 3.2 Bat Barn Block
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		
		Hedges (LE 4)			
		LE 4.3 Native Species Hedge (untrimmed)			
		LE 4.4 Native Hedgerow With Trees			
		Hard Landscape Features (LE 7)			
		LE 7.4 Reinforced Earth Bund			
		Earthworks			
		Proposed Contours			

Order Limits	Planting (LE 2)	Individual Trees (LE 5)	Ecological Habitats (LE 8)	Noise (E 1)	Ecological (E 3)
Permanent Acquisition of Land	LE 2.1 Woodland	LE 5.1 Individual Trees	LE 8.1 Open Mosaic Habitat	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
Grassland (LE 1)	LE 2.11 Woodland With Non-Native Species	Wetland Habitats (LE 6)	LE 8.2 Ancient Woodland Compensation Planting	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 3.2 Dormouse Boxes
LE 1.3 Species Rich Grassland	LE 2.14 Wet / Carr Woodland	LE 6.1 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 8.3 Woodland Mitigation Planting	Water (E 2)	E 3.2 Bat Boxes
LE 1.31 Species Rich Chalk Grassland	LE 2.2 Woodland Edge	LE 6.12 Water Bodies and Associated Plants - Shallow Scraps	LE 8.4 Wetland / Fenland Creation	Flood Compensation Areas (E 2-FCA)	E 3.2 Ecological Culvert
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.22 Scrub Woodland	LE 6.2 Banks and Ditches	LE 8.5 Ecology Pond (indicative symbol only)	Flood Defence (E 2-FD)	E 3.2 Bat Barn Block
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		
		Hedges (LE 4)			
		LE 4.3 Native Species Hedge (untrimmed)			
		LE 4.4 Native Hedgerow With Trees			
		Hard Landscape Features (LE 7)			
		LE 7.4 Reinforced Earth Bund			
		Earthworks			
		Proposed Contours			

Client: **national highways**

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 19		
Drawing Number: HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00020		
HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00020.dwg		



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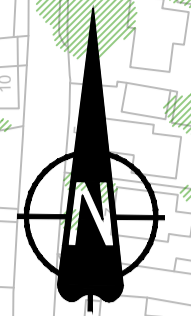
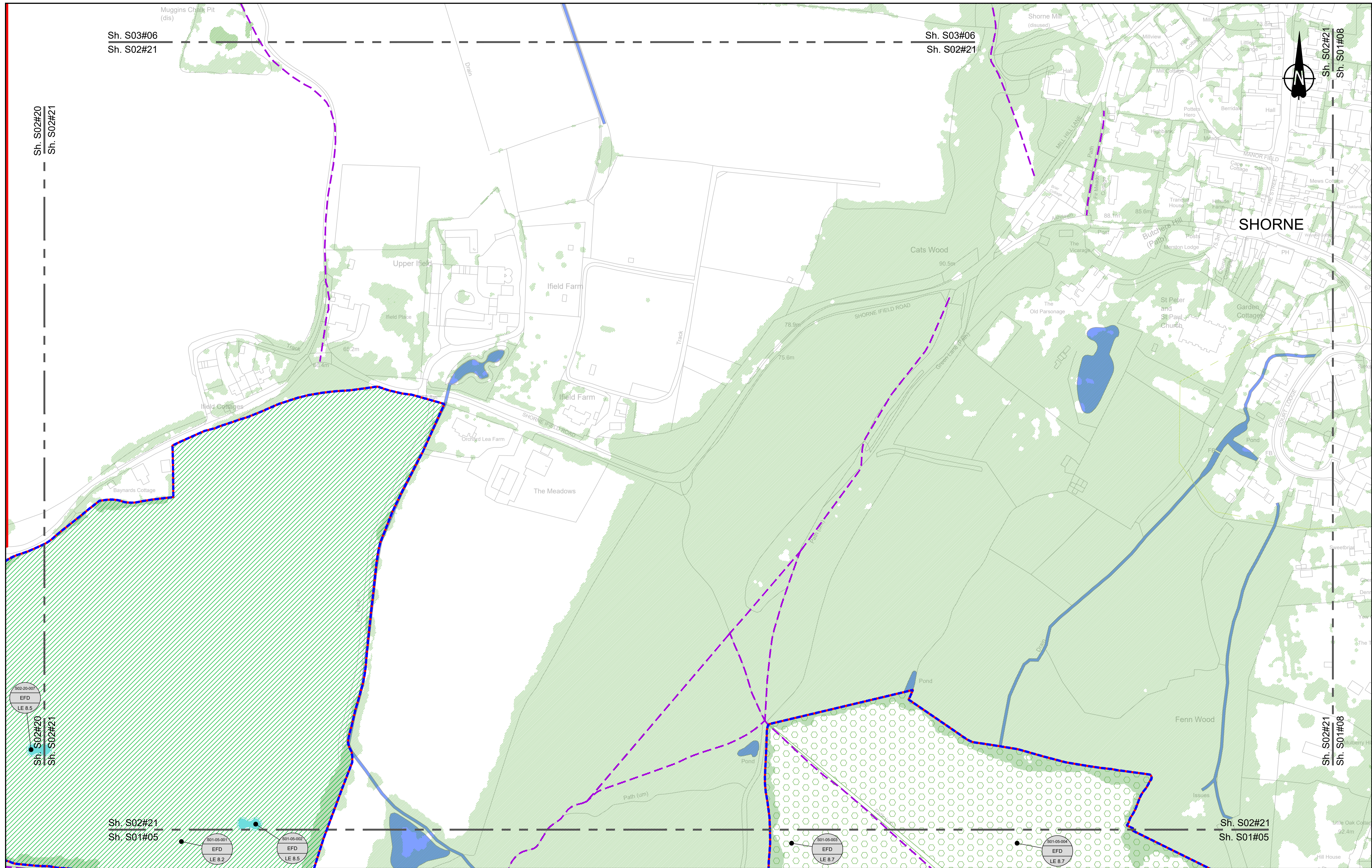
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Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00001).		Individual Trees (LE 8)		Ecological Habitats (LE 8)		Noise (E 1)		Ecological (E 3)	
Order Limits	Planting (LE 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 8.1 Nitrogen Deposition (NDEP) Compensation Area	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
Permanent Acquisition of Land	LE 2.1 Woodland	LE 8.2 Water Bodies - Standing Water	LE 8.2 Ancient Woodland Compensation Planting	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 3.2 Dormouse Boxes	LE 2.1 Woodland	LE 8.2 Ancient Woodland Compensation Planting	E 3.2 Bat Boxes	E 3.2 Ecological Fencing (inc. highway boundary fence)
Grassland (LE 1)	LE 2.11 Woodland With Non-Native Species	LE 8.3 Wet Grassland	LE 8.3 Woodland Mitigation Planting	E 2.2 Flood Compensation Areas (E 2-FCA)	E 3.2 Bat Barn Block	LE 1.3 Species Rich Grassland	LE 8.4 Marsh and Wet Grassland - Coastal Grazing Marsh	E 3.2 Bat Barn Block	
LE 1.3 Species Rich Grassland	LE 2.2 Wet / Carr Woodland	LE 8.4 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 8.4 Wet Grassland	E 2-FD Flood Defence (E 2-FD)		LE 1.31 Species Rich Chalk Grassland	LE 8.5 Ecology Pond (indicative symbol only)		
LE 1.31 Species Rich Chalk Grassland	LE 2.2 Woodland Edge	LE 8.6 Hard Landscape Features (LE 7)	LE 7.4 Reinforced Earth Bund			LE 1.32 Species Rich Annual Wildflower Grassland			
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.22 Scrub / Scattered Scrub	LE 8.7 Earthworks	LE 7.4 Reinforced Earth Bund			LE 1.4 Rock and Scree			
LE 1.4 Rock and Scree	LE 2.222 Scrub Woodland	LE 8.8 Proposed Contours	LE 7.4 Reinforced Earth Bund						
	LE 2.4 Linear Belt of Shrubs and Trees								

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
Drawing Title: ENVIRONMENTAL MASTERPLAN SECTION 2 SHEET 20		Scale: 1:1250	
Drawing Number: HE540039-CJV-EGN-S02_EN000000_Z-DR-ZZ-00021			



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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).	
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 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 Scapes LE 6.2 Banks and Ditches LE 6.21 Banks and Ditches - High Tide Flood Features Wetland Habitats (LE 6) LE 6.4 Marsh and Wet Grassland - Coastal Grazing Marsh Hard Landscape Features (LE 7) LE 7.4 Reinforced Earth Bund Earthworks Proposed Contours
Ecological Habitats (LE 8) LE 8.1 Open Mosaic Habitat LE 8.2 Ancient Woodland Compensation Planting LE 8.3 Woodland Mitigation Planting LE 8.4 Wetland / Fenland Creation LE 8.5 Ecology Pond (indicative symbol only) LE 8.6 Acid Grassland Soil Salvage	Noise (E 1) LE 8.7 Nitrogen Deposition (NDEP) Compensation Area E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence) Water (E 2) Flood Compensation Areas (E 2-FCA) Flood Defence (E 2-FD)
Ecological (E 3) E 3.2 Ecological Habitat Creation and Receptor Sites for Protected Species E 3.2 Dormouse Boxes E 3.2 Bat Boxes E 3.2 Ecological Culvert E 3.2 Bat Barn Block E 3.2 Ecological Fencing (inc. highway boundary fence) E 3.2 Barn Owl Box	Client

Project

LOWER THAMES CROSSING

Status	Initial Status or WIP	Original Size	Revision
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