

# Lower Thames Crossing

## 6.2 Environmental Statement Figures

### Figure 2.4 - Environmental Masterplan Section 12 (8 of 10)

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

**DATE:** October 2022

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

**VERSION:** 1.0

## Lower Thames Crossing

### Figure 2.4 - Environmental Masterplan Section 12 (8 of 10)

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# 1 Environmental Masterplan: Section 12

## 1.1 Schedule of Plans included in this application document

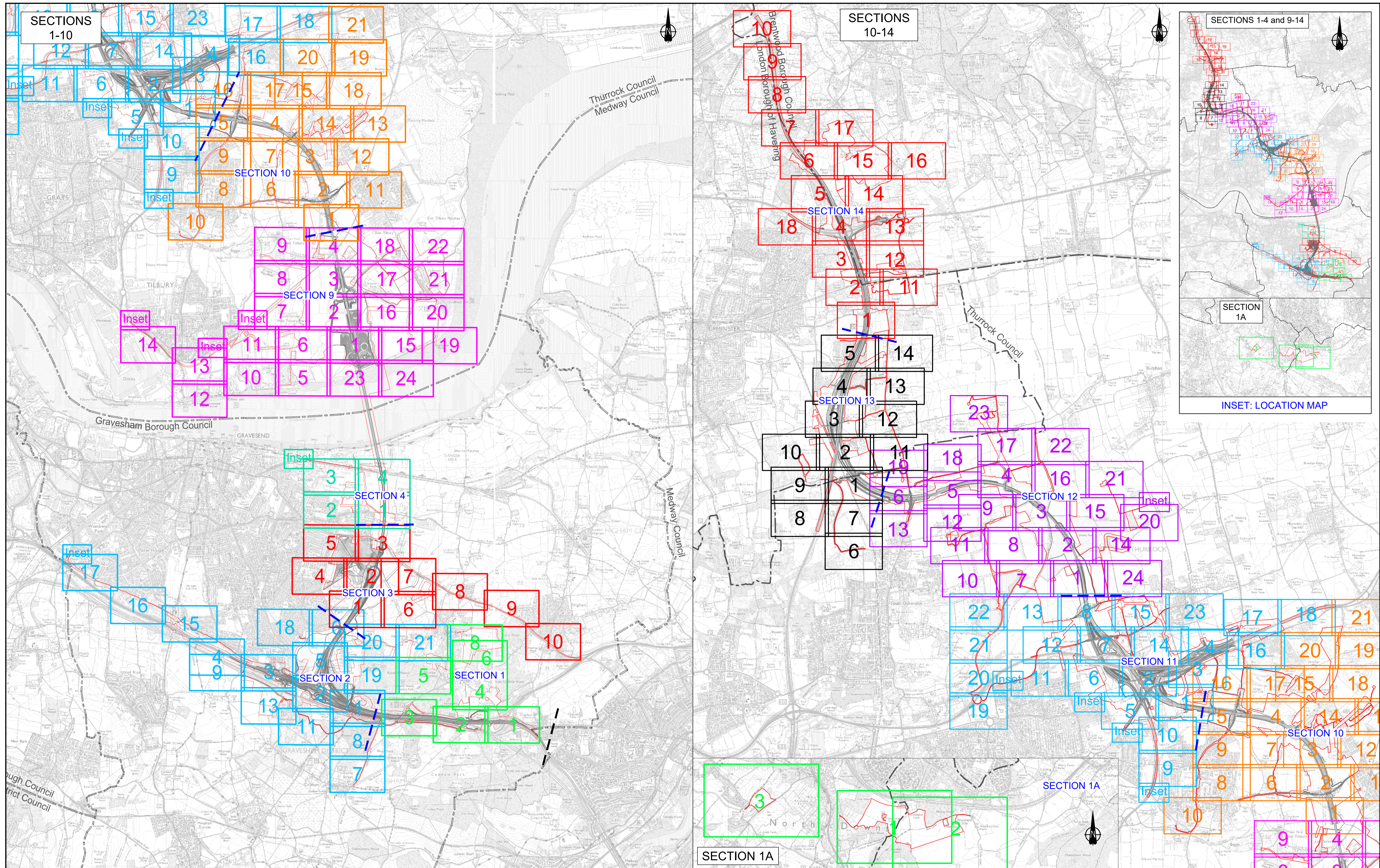
1.1.1 Section 12 (Sheets 1-24)

HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ- 00001 - Section 12 Overview	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ- 00002 - Section 12 Sheet 1	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ- 00003 - Section 12 Sheet 2	TR010032/APP/6.2	P01.5
HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ- 00004 - Section 12 Sheet 3	TR010032/APP/6.2	P01.5
HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ- 00005 - Section 12 Sheet 4	TR010032/APP/6.2	P01.5
HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ- 00006 - Section 12 Sheet 5	TR010032/APP/6.2	P01.5
HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ- 00007 - Section 12 Sheet 6	TR010032/APP/6.2	P01.5
HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ- 00008 - Section 12 Sheet 7	TR010032/APP/6.2	P01.5
HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ- 00009 - Section 12 Sheet 8	TR010032/APP/6.2	P01.5

HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ- 00010 - Section 12 Sheet 9	TR010032/APP/6.2	P01.5
HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ- 00011 - Section 12 Sheet 10	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ- 00012 - Section 12 Sheet 11	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ- 00013 - Section 12 Sheet 12	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ- 00014 - Section 12 Sheet 13	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ- 00015 - Section 12 Sheet 14	TR010032/APP/6.2	P01.5
HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ- 00016 - Section 12 Sheet 15	TR010032/APP/6.2	P01.5
HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ- 00017 - Section 12 Sheet 16	TR010032/APP/6.2	P01.5
HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ- 00018 - Section 12 Sheet 17	TR010032/APP/6.2	P01.5
HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ- 00019 - Section 12 Sheet 18	TR010032/APP/6.2	P01.6

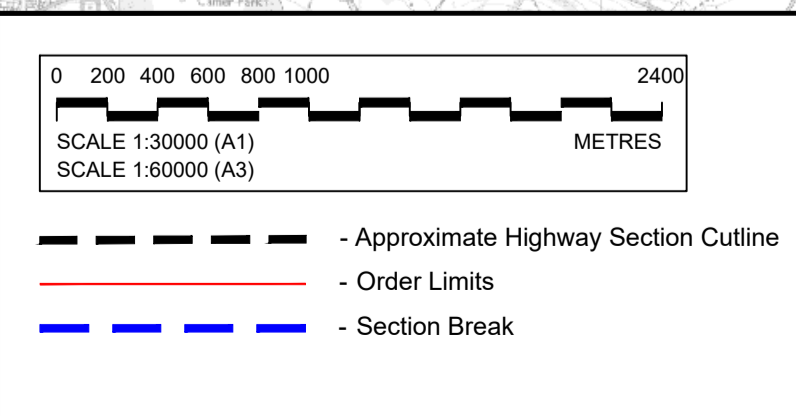
HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ- 00020 - Section 12 Sheet 19	TR010032/APP/6.2	P01.5
HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ- 00021 - Section 12 Sheet 20	TR010032/APP/6.2	P01.5
HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ- 00022 - Section 12 Sheet 21	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ- 00023 - Section 12 Sheet 22	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ- 00024 - Section 12 Sheet 23	TR010032/APP/6.2	P01.5
HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ- 00025 - Section 12 Sheet 24	TR010032/APP/6.2	P01.6

## 1.2 Scheme Overview



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



**Section Layout Key:**

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

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

For information, the following sheets have been omitted:

**Section 1**

- Sheet 7 (HE540039-CJV-EGN-S01\_EN000000\_Z-DR-ZZ-00008)

**Section 2**

- Sheet 10 (HE540039-CJV-EGN-S02\_EN000000\_Z-DR-ZZ-00011)
- Sheet 12 (HE540039-CJV-EGN-S02\_EN000000\_Z-DR-ZZ-00013)
- Sheet 14 (HE540039-CJV-EGN-S02\_EN000000\_Z-DR-ZZ-00015)

Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	Application Document Number	Original Size	Revision
	TR010032/APP/6.2	A1	P01.3
Drawing title	<b>ENVIRONMENTAL MASTERPLAN SCHEME OVERVIEW</b>		
Drawing Number	HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00002		



## 1.3 Environmental Masterplan Legend

**EXISTING FEATURES**

**General Features**

- Existing WCH Route
- Overhead Power Lines

**Environmental Features**

- Retained Woodland, Trees and Hedges (within Order Limits)
- Retained Woodland, Trees and Hedges (outside Order Limits)
- Waterbodies / Ponds
- Watercourses
- Tree Preservation Orders Area
- Individual Tree Preservation Orders
- Veteran Tree

**PROPOSED PROJECT FEATURES**

- Order Limits
- Permanent Acquisition of Land

**General Project Features**

- Existing Overhead Power Lines to be Removed
- Indicative Diverted and Modified Overhead Power Lines
- Proposed / Improved WCH Route
- Diverted / Redesignated WCH Route
- Proposed Carriageway
- Proposed Retaining Wall
- Proposed Cutting
- Proposed Embankment
- Proposed False Cutting Earthwork (up to 4m height above carriageway level typically at 1(v) 4(h) gradient)
- Proposed Watercourse Diversion
- Proposed Attenuation Ponds / Water Bodies
- Proposed Highway Estate Boundary Fencing
- Reinstated HS1 'Meshed' Fencing
- Proposed Security Fencing (incorporating highway boundary fence)
- Proposed Fencing Gates
- Proposed Tunnel Portal Building Outline (sub-surface)
- Proposed Highway Lighting and Gantry
- Proposed Green Bridge
- Proposed Traveller Site Replacement

**General Project Features cont.**

- Proposed Replacement Open Space
- Proposed Replacement Common Land
- Proposed Recreational Sites

**PROPOSED LANDSCAPE ELEMENTS**

**Grassland (LE 1)**

- LE 1.3 Species Rich Grassland
- LE 1.31 Species Rich Chalk Grassland
- LE 1.32 Species Rich Annual Wildflower Grassland
- LE 1.4 Rock and Scree

**Planting (LE 2)**

- LE 2.1 Woodland
- LE 2.11 Woodland With Non-Native Species
- LE 2.14 Wet / Carr Woodland
- LE 2.2 Woodland Edge
- LE 2.22 Scrub Woodland
- LE 2.4 Linear Belt of Shrubs and Trees
- LE 2.5 Shrubs With Intermittent Trees
- LE 2.7 Scattered Trees
- LE 2.8 Scrub / Scattered Scrub

**Hedges (LE 4)**

- LE 4.3 Native Species Hedge (untrimmed)
- LE 4.4 Native Hedgerow With Trees

**Individual Trees (LE 5)**

- LE 5.1 Individual Trees

**Wetland Habitats (LE 6)**

- LE 6.11 Water Bodies – Standing Water
- LE 6.12 Water Bodies and Associated Plants – Shallow Scrape Habitat
- LE 6.2 Banks and Ditches
- LE 6.21 Banks and Ditches – High Tide Roost Features
- LE 6.4 Wet Grassland

**General Project Features cont.**

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

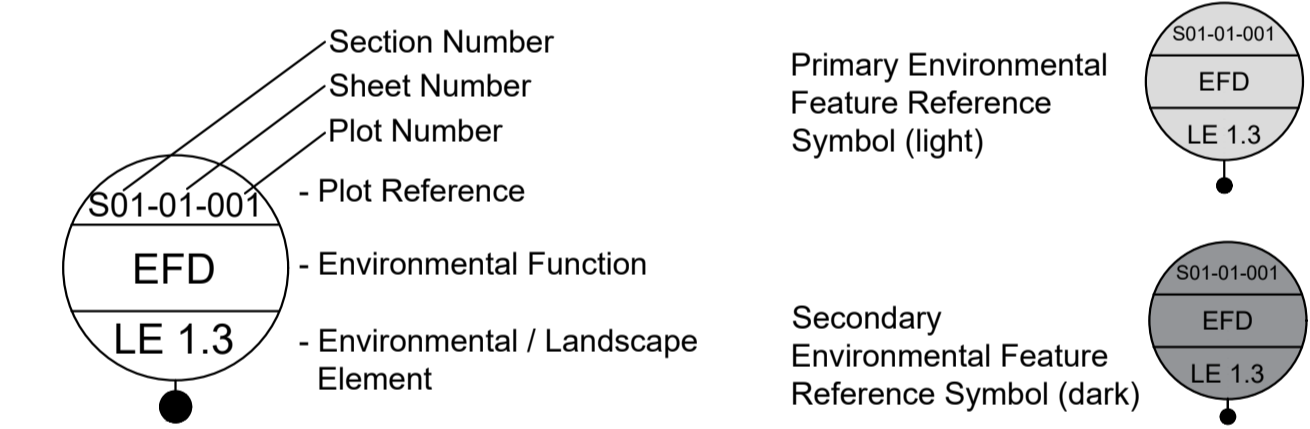
The outline Landscape and Ecology Management Plan (LEMP) separately sets out the proposed management for the environmental / landscape elements shown on the Environmental Masterplan. The Environment Masterplan secures the spatial extent and location of the environmental / landscape elements detailed 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
P01.6	SD	27/03/2022				

LOWER THAMES CROSSING

Status: Initial Status or WIP

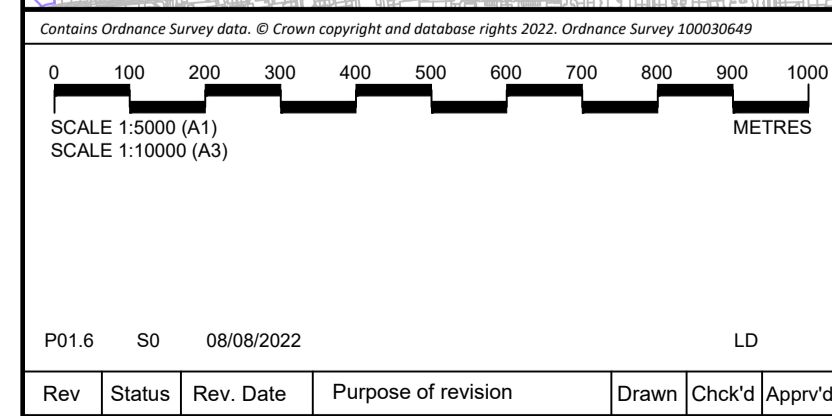
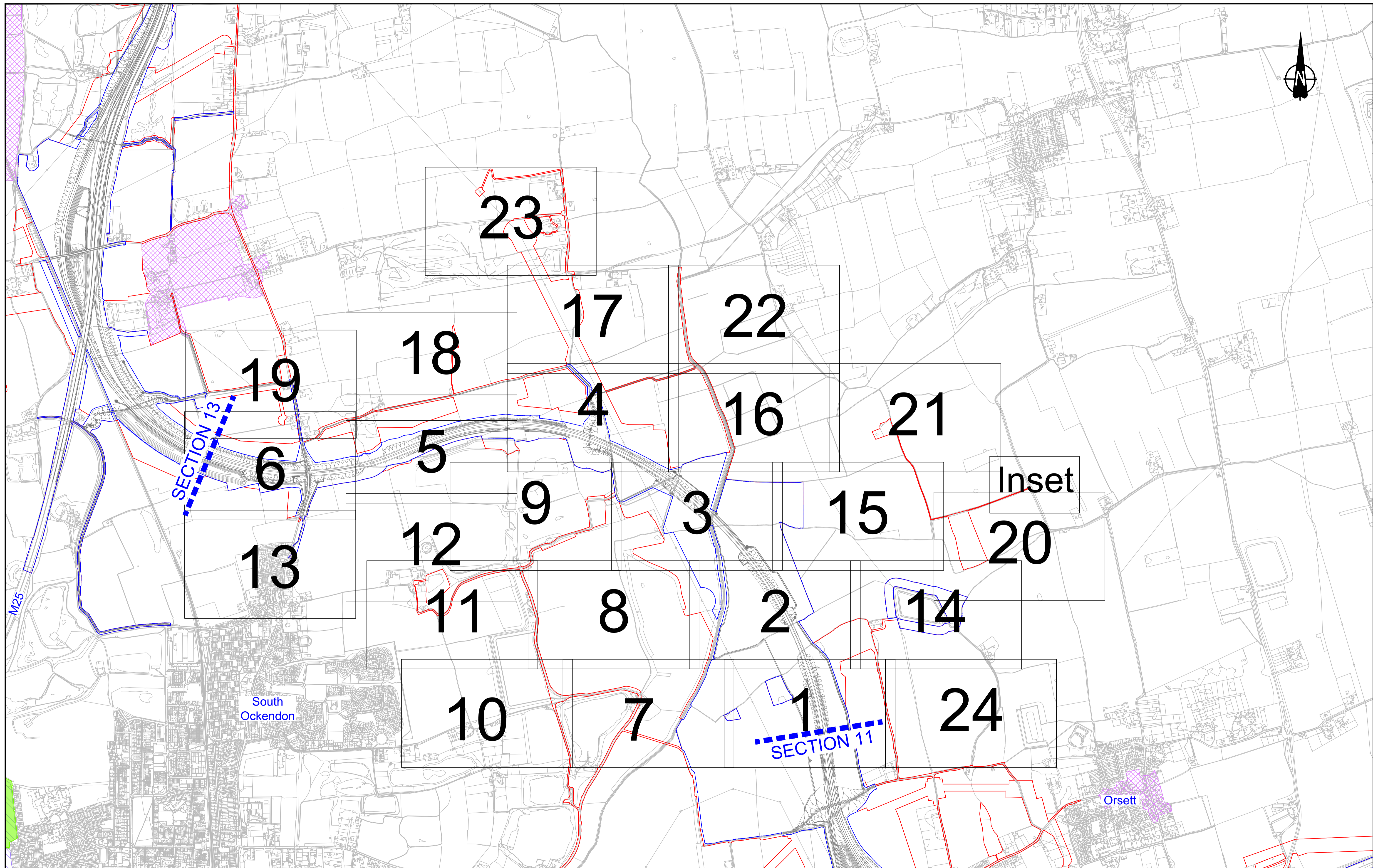
Application Document Number: TR010032/APP/6.2

Drawing title: ENVIRONMENTAL MASTERPLAN LEGEND

Drawing Number: HE540039-CJV-EGN-SZZ\_EN000000\_Z-DR-ZZ-00001

Original Size: A1	Revision: P01.6
Scale:	

## 1.4 Section 12

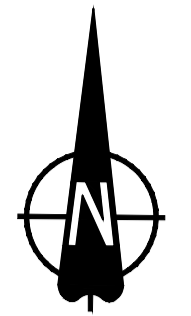
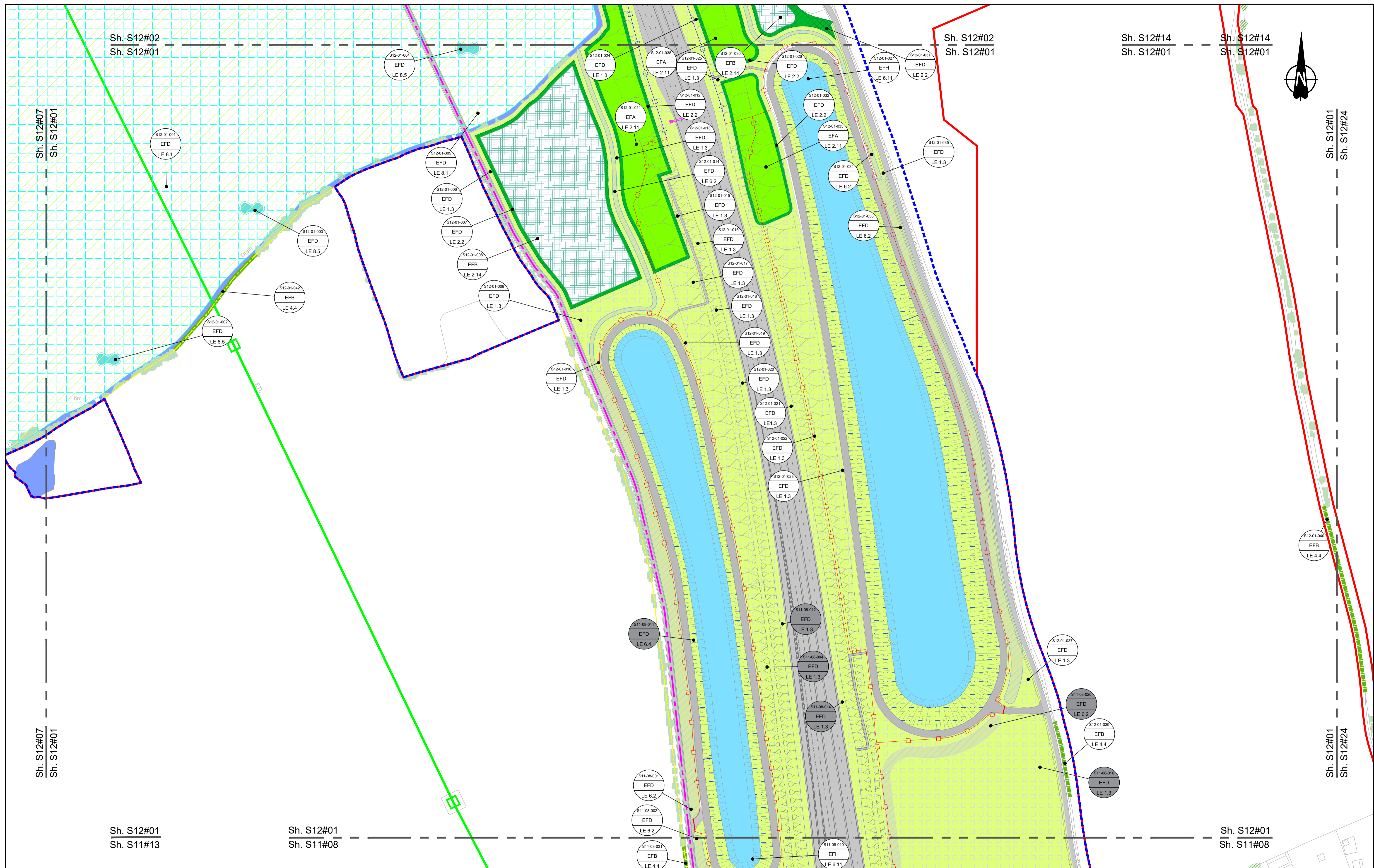


- LEGEND**
- Order Limits
  - Permanent Acquisition of Land
  - Area of Outstanding National Beauty (AONB)
  - Site of Special Scientific Interest (SSSI)
  - Registered Parks and Gardens
  - Ramsar Sites
  - Ancient Woodland
  - Conservation Area

Client  
 national highways

Project  
 LOWER THAMES CROSSING

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.6
Drawing title	ENVIRONMENTAL MASTERPLAN OVERVIEW PLAN SECTION 12		
Drawing Number	HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ-00001		



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

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

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

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

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

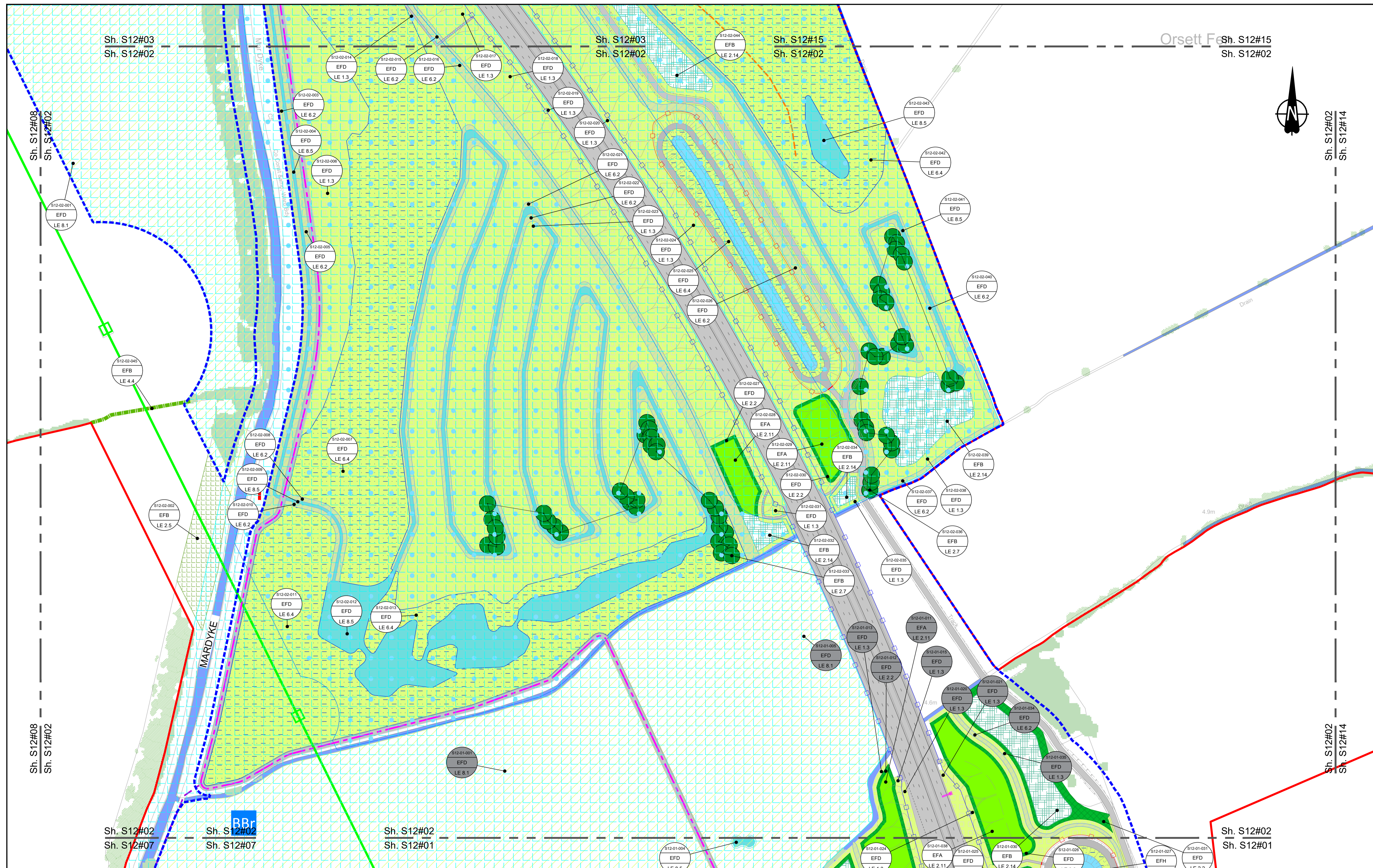
<p><b>Order Limits</b></p> <p>Permanent Acquisition of Land</p> <p><b>Grassland (LE 1)</b></p> <p>LE 1.3 Species Rich Grassland</p> <p>LE 1.31 Species Rich Chalk Grassland</p> <p>LE 1.32 Species Rich Annual Wildflower Grassland</p> <p>LE 1.4 Rock and Scree</p>	<p><b>Planting (LE 2)</b></p> <p>LE 2.1 Woodland</p> <p>LE 2.11 Woodland With Non-Native Species</p> <p>LE 2.14 Wet / Carr Woodland</p> <p>LE 2.2 Woodland Edge</p> <p>LE 2.22 Scrub Woodland</p> <p>LE 2.4 Linear Belt of Shrubs and Trees</p> <p>LE 2.5 Shrubs With Intermittent Trees</p> <p>LE 2.7 Scattered Trees</p> <p>LE 2.8 Scrub / Scattered Scrub</p> <p><b>Hedges (LE 4)</b></p> <p>LE 4.3 Native Species Hedge (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 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>LE 7.4 Reinforced Earth Bund</p> <p><b>Hard Landscape Features (LE 7)</b></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 Ecological Fencing (inc. highway boundary fence)</p> <p>E 3.2 Bat Owl Box</p>
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Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	Initial Status or WIP	Original Size	A1	Revision	P01.6
Application Document Number	TR010032/APP/6.2	Scale	1:1250		
Drawing Title	<b>ENVIRONMENTAL MASTERPLAN SECTION 12 SHEET 1</b>				
Drawing Number	HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ-00002				

HE540039-CJV-EGN-S12\_EN000000\_Z-DR-ZZ-00002.dwg



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

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd
P01.5	50	08/08/2022				LD

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

Order Limits	Planting (LE 2)	Wetland Habitats (LE 6)	Individual Trees (LE 5)	Wetland Habitats (LE 6)	Hard Landscape Features (LE 7)	Earthworks
Order Limits	LE 2.1 Woodland	LE 6.1 Water Bodies - Standing Water	LE 5.1 Individual Trees	LE 6.2 Wet Grassland	LE 7.1 Reinforced Earth Bund	Proposed Contours
Permanent Acquisition of Land	LE 2.11 Woodland With Non-Native Species	LE 6.11 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 6.1 Water Bodies - Scattered Trees	LE 6.21 Wet Grassland - Ancient Woodland Compensation Planting	LE 7.4 Reinforced Earth Bund	
Grassland (LE 1)	LE 2.14 Wet / Carr Woodland	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape	LE 2.7 Scattered Trees	LE 6.22 Wet Grassland - Woodland Mitigation Planting	LE 7.4 Reinforced Earth Bund	
LE 1.1 Species Rich Grassland	LE 2.2 Woodland Edge	LE 6.2 Banks and Ditches	LE 2.8 Scrub / Scattered Scrub	LE 6.23 Wet Grassland - Wetland / Fenland Creation	LE 7.4 Reinforced Earth Bund	
LE 1.31 Species Rich Chalk Grassland	LE 2.22 Scrub Woodland	LE 6.21 Banks and Ditches - High Tide Roost Features	LE 2.2 Woodland Edge	LE 6.24 Wet Grassland - Wetland / Fenland Creation	LE 7.4 Reinforced Earth Bund	
LE 1.32 Species Rich Annual Wildflower Grassland	LE 4.3 Native Species Hedge (untrimmed)		LE 2.22 Scrub Woodland	LE 6.25 Wet Grassland - Wetland / Fenland Creation	LE 7.4 Reinforced Earth Bund	
LE 1.4 Rock and Scree	LE 4.4 Native Hedgerow With Trees		LE 2.4 Linear Belt of Shrubs and Trees	LE 6.26 Wet Grassland - Wetland / Fenland Creation	LE 7.4 Reinforced Earth Bund	
				LE 6.27 Wet Grassland - Wetland / Fenland Creation	LE 7.4 Reinforced Earth Bund	

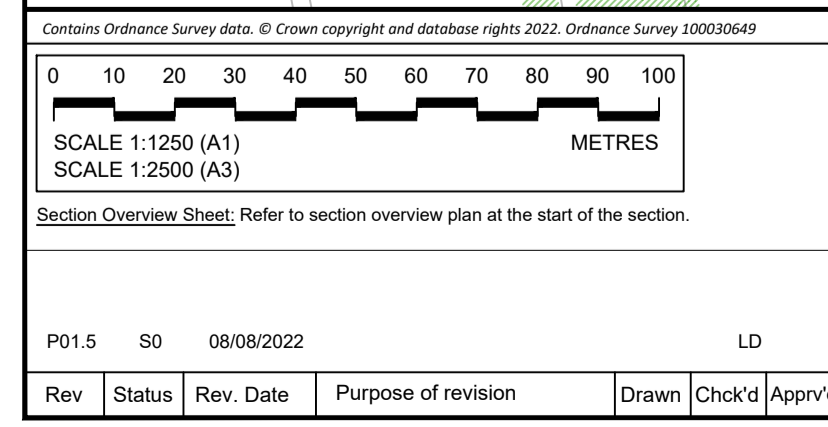
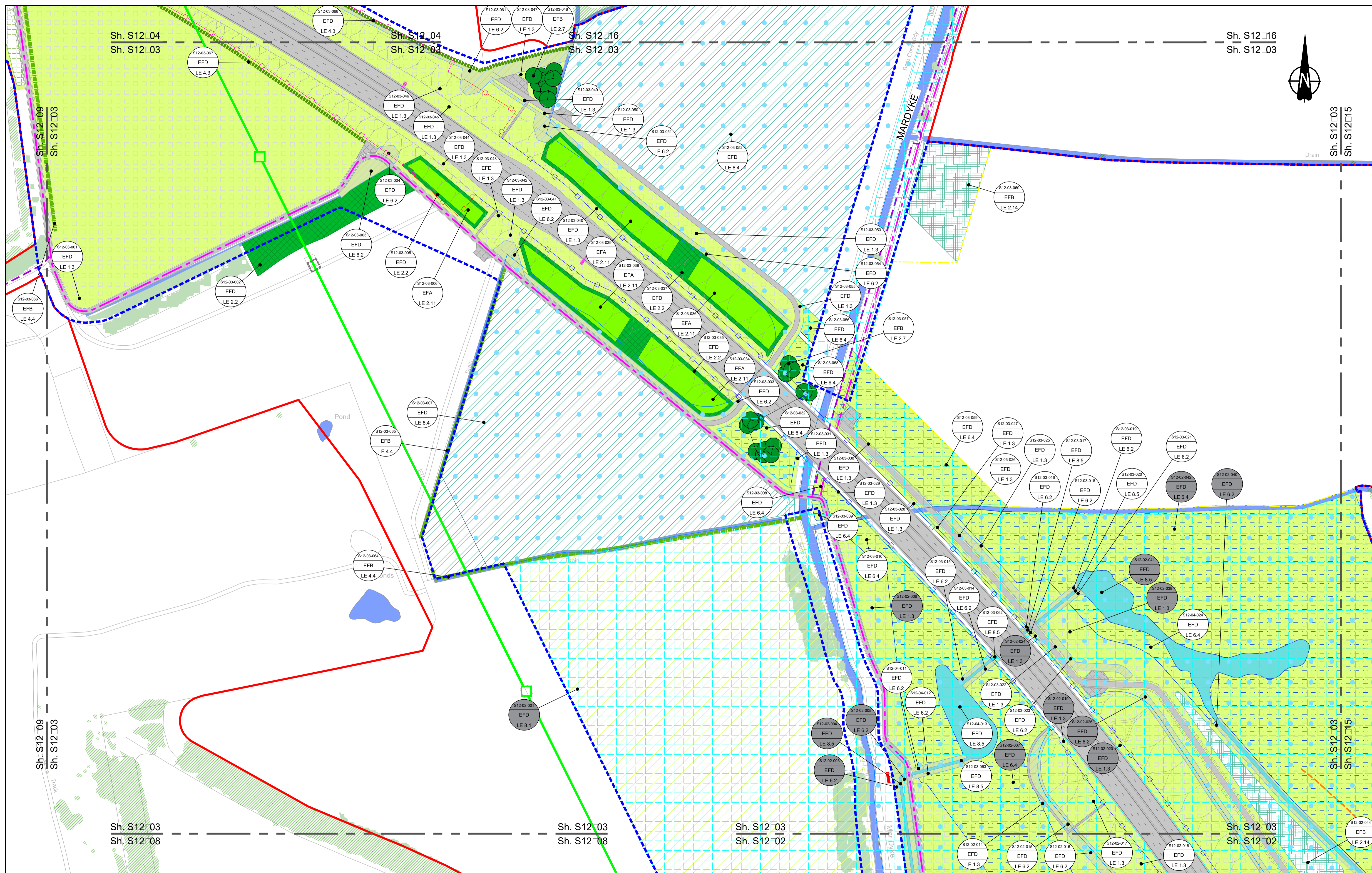
Ecological Habitats (LE 8)	Noise (E 1)	Water (E 2)	Ecological (E 3)
LE 8.1 Open Mosaic Habitat	LE 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	LE 2.7 Flood Compensation Areas (E 2-FCA)	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
LE 8.2 Ancient Woodland Compensation Planting	LE 2.8 Flood Defence (E 2-FD)	LE 2.8 Flood Defence (E 2-FD)	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 8.3 Woodland Mitigation Planting			E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 8.4 Wetland / Fenland Creation			E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 8.5 Ecology Pond (indicative symbol only)			E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 8.6 Acid Grassland Soil Salvage			E 3.2 Ecological Fencing (inc. highway boundary fence)

Client

Project

**LOWER THAMES CROSSING**

Status	Initial Status or WIP	Original Size	Revision
	Initial Status or WIP	A1	P01.5
Application Document Number		Scale	1:1250
Drawing title		<b>ENVIRONMENTAL MASTERPLAN SECTION 12 SHEET 2</b>	
Drawing Number		HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ-00003	



**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>	<b>Planting (LE 2)</b>	<b>Individual Trees (LE 5)</b>
<b>Permanent Acquisition of Land</b>	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 6.1 Strubs With Intermittent Trees
LE 1.31 Species Rich Chalk Grassland	LE 2.2 Woodland Edge	LE 6.11 Water Bodies - Coastal Grazing Marsh
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.22 Scrub Woodland	LE 6.2 Scattered Trees
LE 1.4 Rock and Scree	LE 2.4 Linear Belt of Shrubs and Trees	LE 6.2.1 Wetland Habitats - Standing Water
		LE 6.2.2 Scrub / Scattered Scrub
		<b>Hedges (LE 4)</b>
		LE 4.3 Native Species Hedge (untrimmed)
		LE 4.4 Native Hedgerow With Trees
		<b>Hard Landscape Features (LE 7)</b>
		LE 7.4 Reinforced Earth Bund
		<b>Earthworks</b>
		Proposed Contours

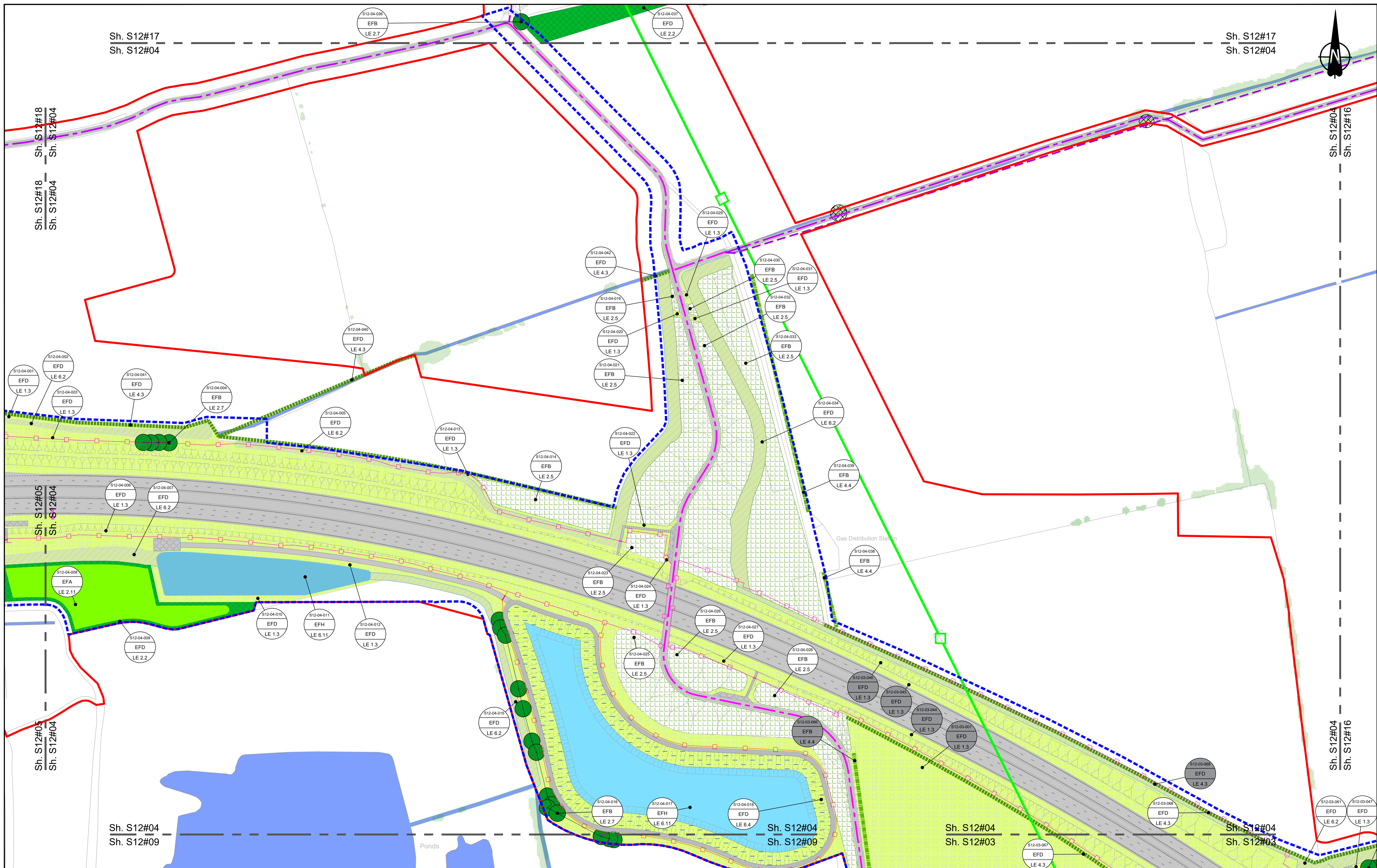
<b>Ecological Habitats (LE 8)</b>	<b>Noise (E 1)</b>	<b>Water (E 2)</b>
LE 8.1 Open Mosaic Habitat	LE 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	LE 2.5 Nitrogen Deposition (NDEP) Compensation Area
LE 8.2 Ancient Woodland Compensation Planting	LE 2.1 Flood Compensation Areas (E 2-FCA)	LE 2.2 Flood Defence (E 2-FD)
LE 8.3 Woodland Mitigation Planting	LE 2.3 Ecological Fencing (inc. highway boundary fence)	
LE 8.4 Wetland / Fenland Creation		
LE 8.5 Ecology Pond (indicative symbol only)		
LE 8.6 Acid Grassland Soil Salvage		

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

Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	Initial Status or WIP	Original Size	A1	Revision	P01.5
Application Document Number	TR010032/APP/6.2	Scale	1:1250		
Drawing title	<b>ENVIRONMENTAL MASTERPLAN SECTION 12 SHEET 3</b>				
Drawing Number	HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ-00004				



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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.

P01.5 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-SZ2\_EN000000\_Z-DR-ZR-00001).

Grassland (LE 1)	Planting (LE 2)	Individual Trees (LE 5)	Wetland Habitats (LE 6)	Hard Landscape Features (LE 7)	Ecological Habitats (LE 8)	Noise (E 1)	Water (E 2)	Ecological (E 3)
LE 1.3 Species Rich Grassland	LE 2.1 Woodland	LE 5.1 Individual Trees	LE 6.1 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 7.4 Reinforced Earth Band	LE 8.1 Open Mosaic Habitat	LE 1.1 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	LE 2.1 Flood Compensation Areas (E 2-FCA)	E 3.2 Ecological Culvert
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.2 Woodland Edge	LE 5.2 Scattered Trees	LE 6.2 Water Bodies and Associated Plants - Shallow Scrape	LE 7.4 Earthworks	LE 8.2 Ancient Woodland Compensation Planting	LE 1.2 Flood Defence (E 2-FD)	LE 2.2 Flood Compensation Areas (E 2-FCA)	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
LE 1.4 Rock and Scree	LE 2.22 Scrub Woodland	LE 5.3 Native Species Hedges (untrimm'd)	LE 6.2 Barks and Ditches	Proposed Contours	LE 8.3 Woodland Mitigation Planting			E 3.2 Bat Boxes
	LE 2.4 Linear Belt of Shrubs and Trees	LE 5.4 Native Hedgerow With Trees	LE 6.21 Banks and Ditches - High Tide Root Features		LE 8.4 Wetland / Farmland Creation			E 3.2 Bat Barn Block

Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status: Initial Status or WIP	Application Document Number: TR010032/APP/6.2	Original Size: A1	Revision: P01.5
Drawing title: ENVIRONMENTAL MASTERPLAN SECTION 12 SHEET 4		Scale: 1:1250	
Drawing Number: HE540039-CJV-EGN-S12_EN000000_Z-DR-ZR-00005			

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

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

P01.5 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-SZ2\_EN000000\_Z-DR-ZZ-00001).**

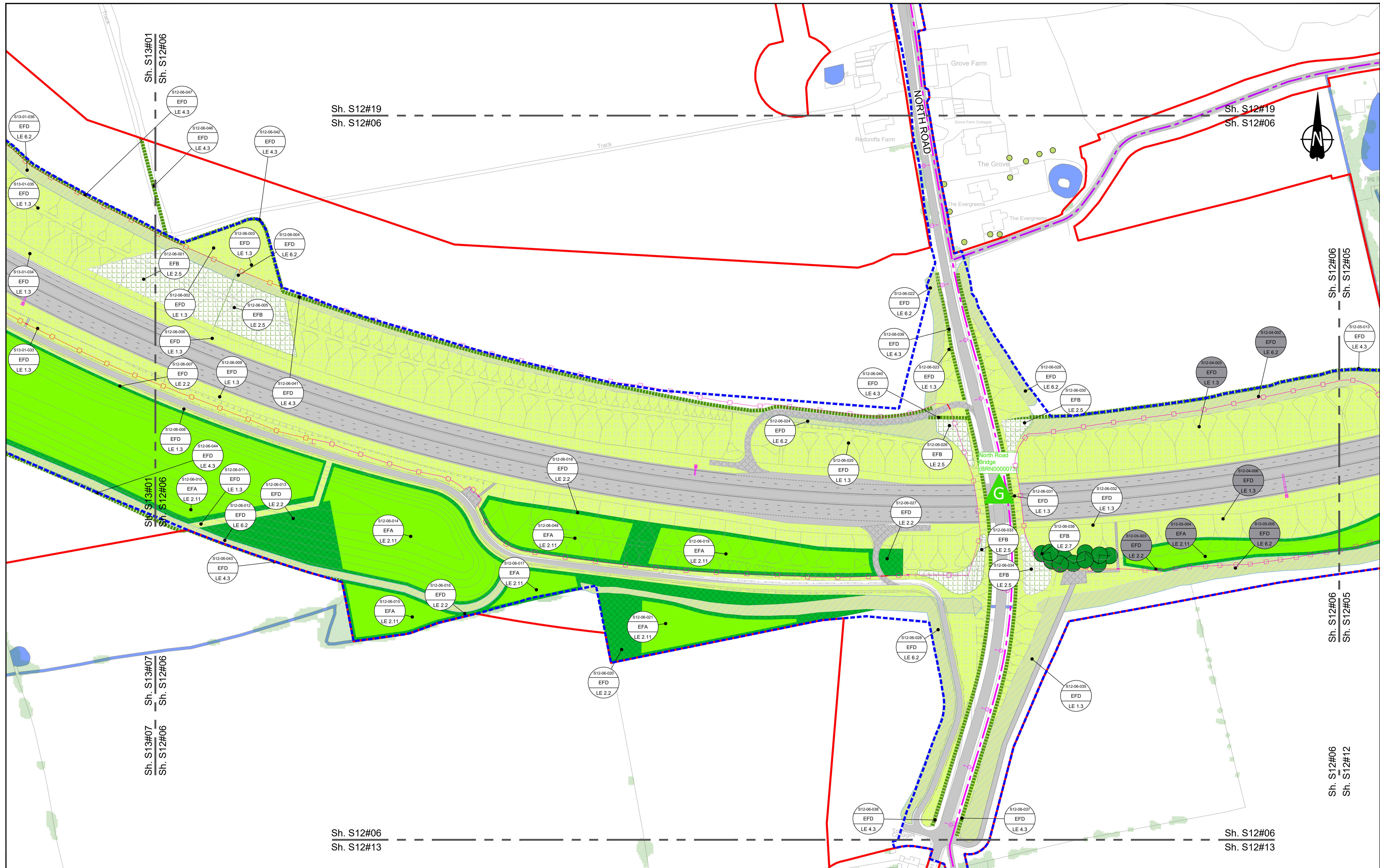
Order Limits	Planting (LE 2)	Individual Trees (LE 5)	Ecological Habitats (LE 8)	Noise (E 1)	Ecological (E 3)
Red dashed line	LE 2.1 Woodland	LE 5.1 Individual Trees	LE 8.1 Open Mosaic Habitat	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
Blue dashed line	LE 2.11 Woodland With Non-Native Species	LE 5.2 Scattered Trees	LE 8.2 Ancient Woodland Compensation Planting	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 3.2 Ecological Fencing (inc. highway boundary fence)
Green dashed line	LE 2.14 Wet / Carr Woodland	LE 5.3 Wetland Habitats (LE 6)	LE 8.3 Woodland Mitigation Planting	E 2.1 Flood Compensation Areas (E 2-FCA)	E 3.2 Bat Boxes
Light Green	LE 2.2 Woodland Edge	LE 6.1 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 8.4 Wetland / Farmland Creation	Flood Defence (E 2-FD)	E 3.2 Bat Barn Block
Light Green	LE 2.22 Scrub Woodland	LE 6.2 Barks and Ditches	LE 8.5 Ecology Pond (indicative symbol only)		
Light Green	LE 2.4 Linear Belt of Shrubs and Trees	LE 6.4 Wet Grassland	LE 8.6 Acid Grassland Soil Salvage		
		LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh			
		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 7.4 Reinforced Earth Bund			
		Proposed Contours			

Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status: Initial Status or WIP	Original Size: A1	Revision: P01.5
Application Document Number: TR010032/APP/6.2	Scale: 1:1250	
Drawing title: <b>ENVIRONMENTAL MASTERPLAN SECTION 12 SHEET 5</b>		
Drawing Number: HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ-00006		

HE540039-CJV-EGN-S12\_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.

P01.5 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-SZ2\_EN000000\_Z-DR-ZZ-00001).

Grassland (LE 1)	Planting (LE 2)	Individual Trees (LE 5)	Wetland Habitats (LE 6)	Hard Landscape Features (LE 7)
LE 1.3 Species Rich Grassland	LE 2.1 Woodland	LE 5.1 Individual Trees	LE 6.1 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 7.4 Reinforced Earth Band
LE 1.31 Species Rich Chalk Grassland	LE 2.11 Woodland With Non-Native Species	LE 5.2 Scattered Trees	LE 6.2 Wetland Mitigation Planting	LE 7.5 Proposed Contours
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.14 Wet / Carr Woodland	LE 5.3 Hedgerow	LE 6.3 Woodland Mitigation Planting	
LE 1.4 Rock and Scree	LE 2.2 Woodland Edge	LE 5.4 Native Species Hedge (untrimmed)	LE 6.4 Wetland / Farmland Creation	
	LE 2.22 Scrub Woodland	LE 5.5 Native Hedgerow With Trees	LE 6.5 Ecology Pond (indicative symbol only)	
	LE 2.4 Linear Belt of Shrubs and Trees		LE 6.6 Acid Grassland Soil Salvage	

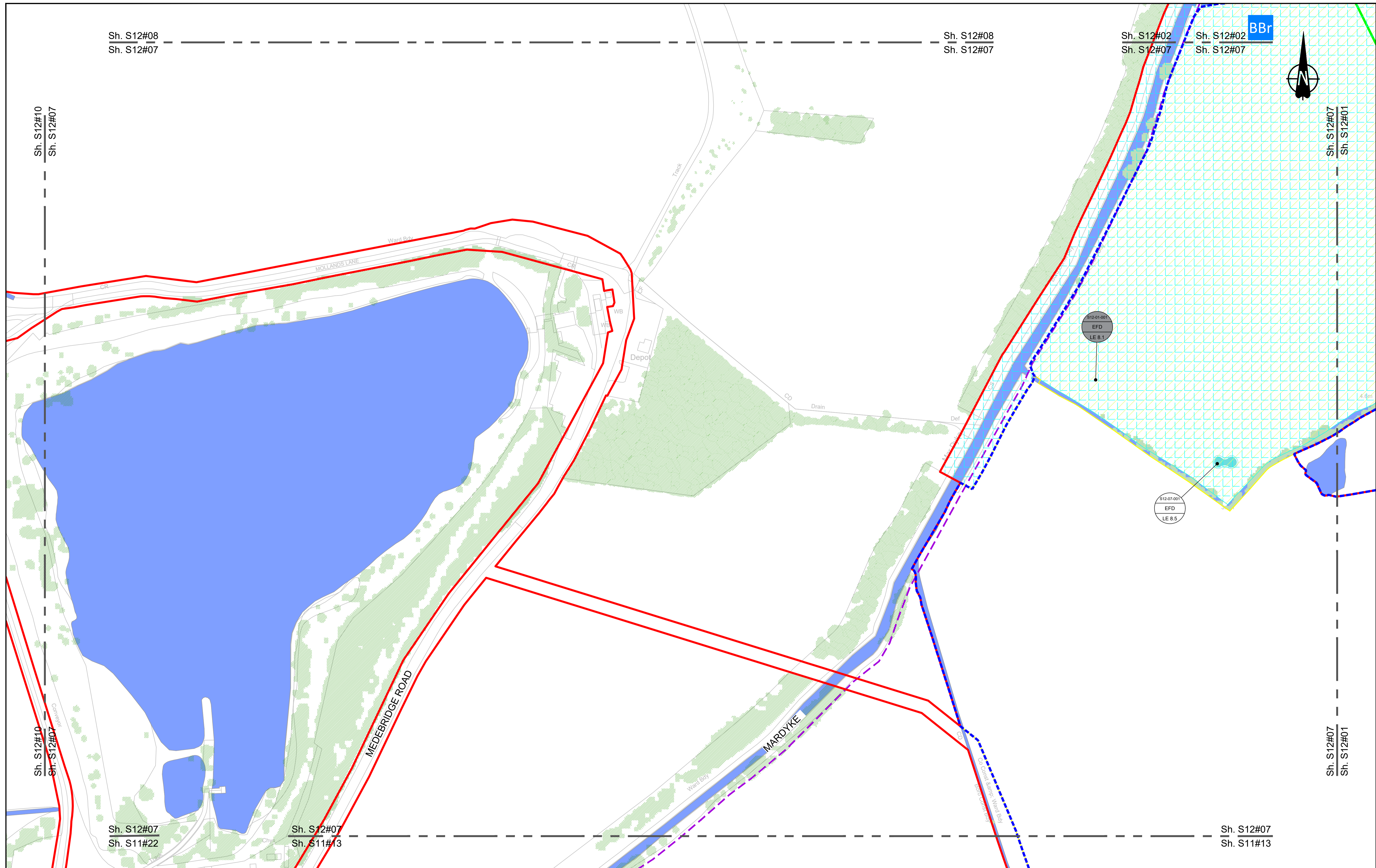
Ecological Habitats (LE 8)	Noise (E 1)	Water (E 2)	Ecological (E 3)
LE 8.1 Open Mosaic Habitat	LE 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	LE 2.1 Flood Compensation Areas (E 2-FCA)	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
LE 8.2 Ancient Woodland Compensation Planting		LE 2.2 Flood Defence (E 2-FD)	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 8.3 Woodland Mitigation Planting			E 3.2 Ecological Culvert
LE 8.4 Wetland / Farmland Creation			E 3.2 Bat Boxes
LE 8.5 Ecology Pond (indicative symbol only)			E 3.2 Bat Boxes
LE 8.6 Acid Grassland Soil Salvage			E 3.2 Bat Blocks

Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.5
Scale	1:1250		
Drawing title	<b>ENVIRONMENTAL MASTERPLAN SECTION 12 SHEET 6</b>		
Drawing Number	HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ-00007		

HE540039-CJV-EGN-S12\_EN000000\_Z-DR-ZZ-00007.dwg



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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
P01.5	SO	08/08/2022				LD

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

<p><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>LE 2.5 Shrubs With Intermittent Trees</b></p> <p><b>LE 2.7 Scattered Trees</b></p> <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 Scraps</li> <li>LE 6.2 Barks and Ditches</li> <li>LE 6.21 Banks and Ditches - High Tide Root Features</li> </ul> <p><b>Hard Landscape Features (LE 7)</b></p> <ul style="list-style-type: none"> <li>LE 7.4 Reinforced Earth Bund</li> </ul> <p><b>Earthworks</b></p> <ul style="list-style-type: none"> <li>Proposed Contours</li> </ul>	<p><b>Ecological Habitats (LE 8)</b></p> <ul style="list-style-type: none"> <li>LE 8.1 Open Mosaic Habitat</li> <li>LE 8.2 Ancient Woodland Compensation Planting</li> <li>LE 8.3 Woodland Mitigation Planting</li> <li>LE 8.4 Wetland / 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 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)</li> </ul> <p><b>Water (E 2)</b></p> <ul style="list-style-type: none"> <li>Flood Compensation Areas (E 2-FCA)</li> <li>Flood Defence (E 2-FD)</li> </ul>	<p><b>Ecological (E 3)</b></p> <ul style="list-style-type: none"> <li>E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species</li> <li>E 3.2 Dormouse Boxes</li> <li>E 3.2 Bat Boxes</li> <li>E 3.2 Ecological Culvert</li> <li>E 3.2 Bat Barn Block</li> </ul> <p><b>E 3.2 Barn Owl Box</b></p> <p><b>E 3.2 Ecological Fencing (inc. highway boundary fence)</b></p>
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Client

Project

**LOWER THAMES CROSSING**

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.5
Scale	1:1250		
Drawing title	<b>ENVIRONMENTAL MASTERPLAN SECTION 12 SHEET 7</b>		
Drawing Number	HE540039-CJV-EGN-S12_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
P01.5	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> <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 (untrimm'd)</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 Root 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 / 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><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 Ecological Fencing (inc. highway boundary fence)</p> <p>E 3.2 Barn Owl Box</p>
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Client

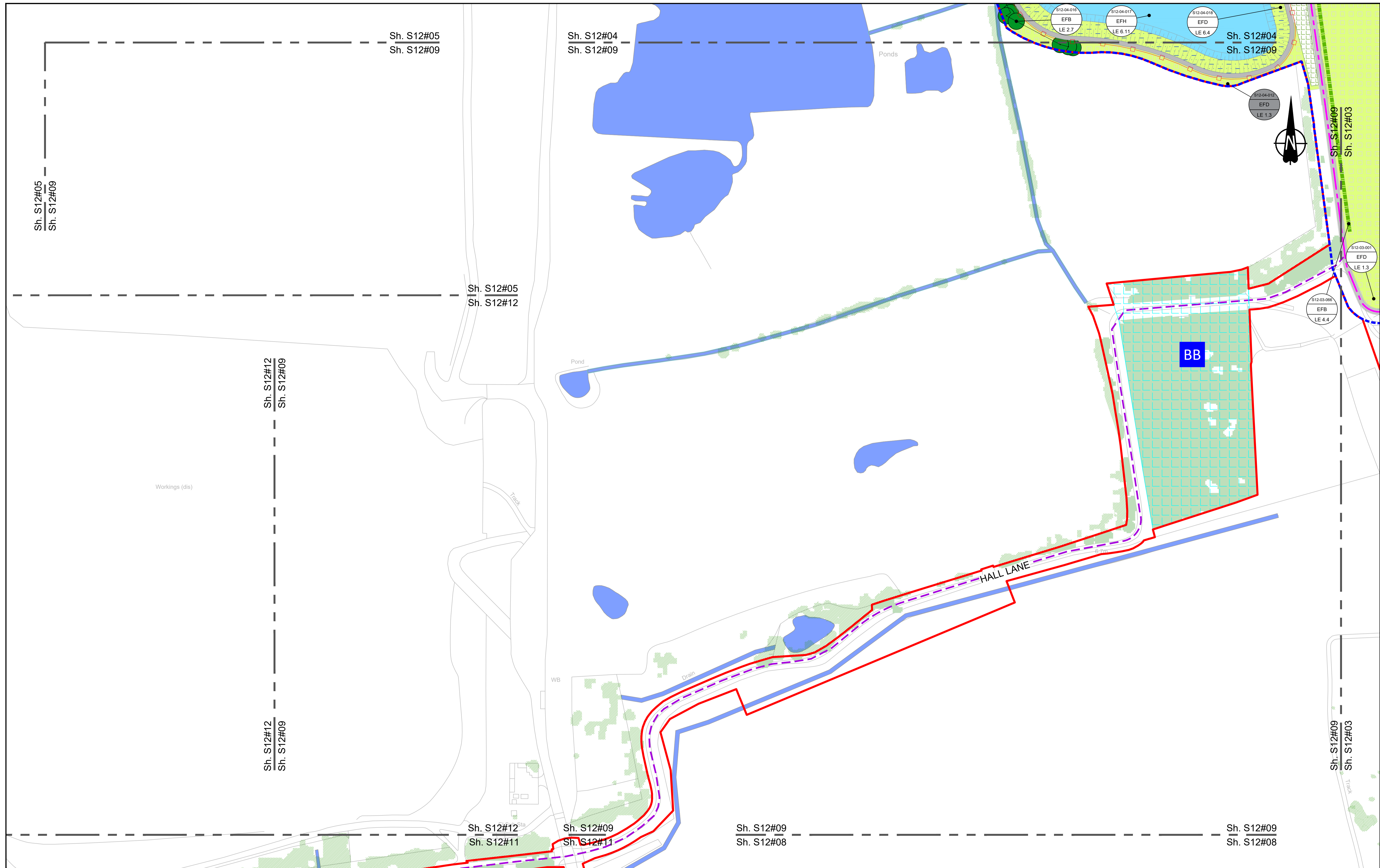
Project

**LOWER THAMES CROSSING**

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.5
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 12 SHEET 8		
Drawing Number	HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ-00009		

Scale 1:1250

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SCALE 1:2500 (A3)  
METRES

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

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

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

<p><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 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 Barks 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><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 / 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><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>BB E 3.2 Bat Boxes</p> <p>EC E 3.2 Ecological Culvert</p> <p>BBB 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**

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.5
Scale	1:1250		
Drawing title	<b>ENVIRONMENTAL MASTERPLAN SECTION 12 SHEET 9</b>		
Drawing Number	HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ-00010		

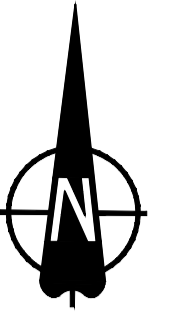
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Sh. S12#11  
Sh. S12#10

Sh. S12#11  
Sh. S12#10

Sh. S12#08  
Sh. S12#10

Sh. S12#08  
Sh. S12#10



Sh. S12#10  
Sh. S12#07



Sh. S12#10  
Sh. S11#22

Sh. S12#10  
Sh. S11#22

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

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

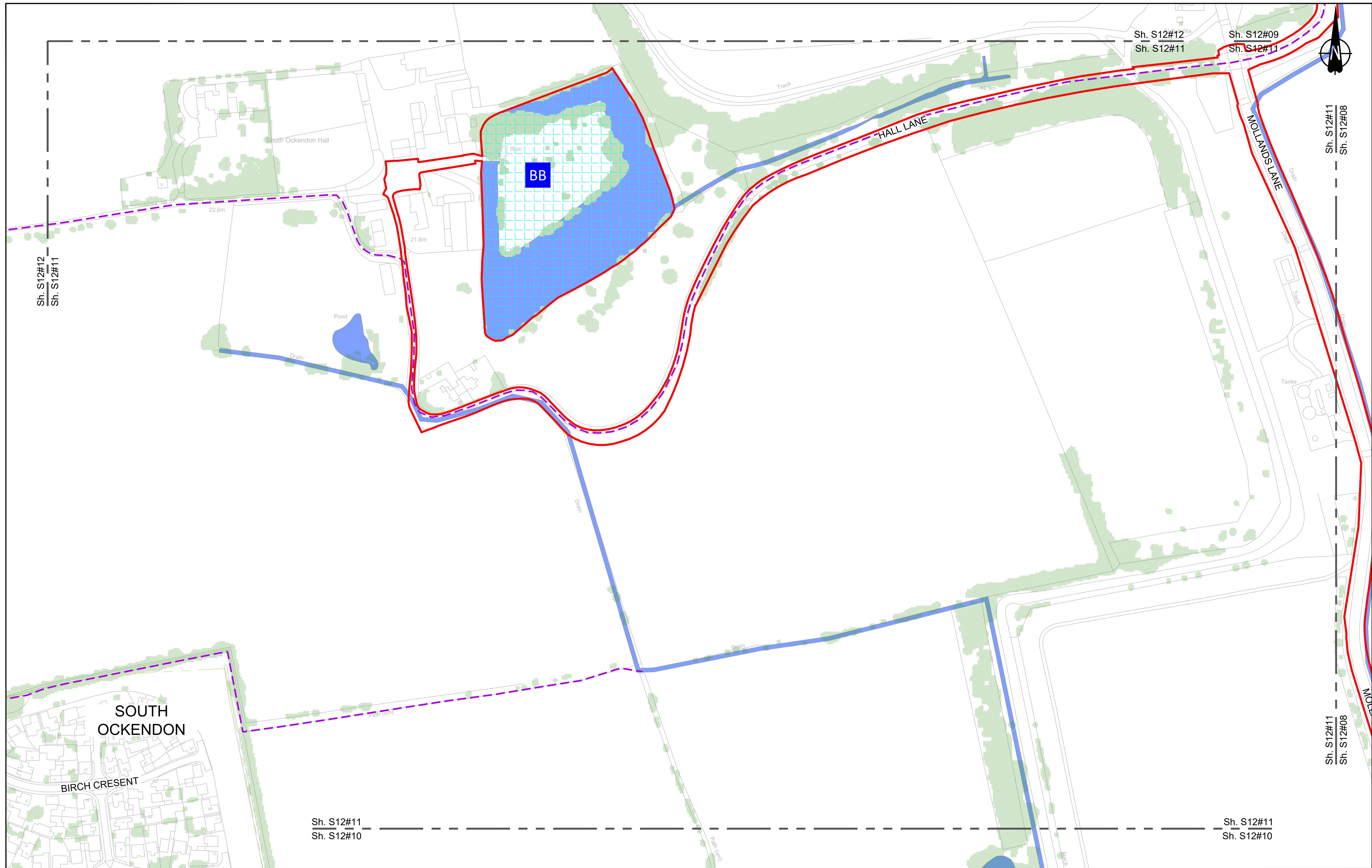
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P01.6	SO	08/08/2022		LD		

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

<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 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 <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 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 Ecological Fencing (inc. highway boundary fence)	E 3.2 Barn Owl Box
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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 SECTION 12 SHEET 10</b>		
Drawing Number	HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ-00011		
HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ-00011.dwg			



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

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

P01.6 SO 08/08/2022 LD

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

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

Grassland (LE 1)	Planting (LE 2)	Individual Trees (LE 5)	Wetland Habitats (LE 6)	Hard Landscape Features (LE 7)	Ecological Habitats (LE 8)	Noise (E 1)	Water (E 2)	Ecological (E 3)
<ul style="list-style-type: none"> <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 2.1 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> </ul>	<ul style="list-style-type: none"> <li>LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh</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 Root Features</li> </ul>	<ul style="list-style-type: none"> <li>LE 7.4 Reinforced Earth Band</li> <li>Earthworks</li> <li>Proposed Contours</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 / Farmland Creation</li> <li>LE 8.5 Ecology Pond (indicative symbol only)</li> <li>LE 8.6 Acid Grassland Soil Salvage</li> </ul>	<ul style="list-style-type: none"> <li>LE 8.7 Nitrogen Deposition (NDEP) Compensation Area</li> <li>E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)</li> <li>Flood Compensation Areas (E 2-FCA)</li> <li>Flood Defence (E 2-FD)</li> </ul>	<ul style="list-style-type: none"> <li>E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species</li> <li>E 3.2 Dormouse Boxes</li> <li>E 3.2 Bat Boxes</li> <li>E 3.2 Ecological Culvert</li> <li>E 3.2 Bat Barn Block</li> </ul>	<ul style="list-style-type: none"> <li>E 3.2 Barn Owl Box</li> <li>E 3.2 Ecological Fencing (inc. highway boundary fence)</li> </ul>

Client: national highways

Project: LOWER THAMES CROSSING

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.6
Scale	1:1250		
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 12 SHEET 11		
Drawing Number	HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ-00012		



Sh. S12#05  
Sh. S12#12

Sh. S12#05  
Sh. S12#12

Sh. S12#06  
Sh. S12#12

Sh. S12#12  
Sh. S12#09

Sh. S12#13  
Sh. S12#12

Sh. S12#12  
Sh. S12#09

Sh. S12#12  
Sh. S12#11

Sh. S12#13  
Sh. S12#12

Sh. S12#12  
Sh. S12#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.

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

**Environmental Mitigation Legend:** Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-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>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 6.1 Water Bodies - Standing Water</li> <li>LE 6.12 Water Bodies and Associated Plants - Shallow Scrape</li> <li>LE 6.2 Banks and Ditches</li> <li>LE 6.21 Banks and Ditches - High Tide Root Features</li> </ul>	<p><b>Wet Grassland</b></p> <ul style="list-style-type: none"> <li>LE 6.4 Wet Grassland</li> </ul> <p><b>Marsh and Wet Grassland - Coastal Grazing Marsh</b></p> <ul style="list-style-type: none"> <li>LE 6.41 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 Dormouse Boxes</li> <li>E 3.2 Bat Boxes</li> <li>E 3.2 Ecological Culvert</li> <li>E 3.2 Bat Barn Block</li> </ul>	<ul style="list-style-type: none"> <li>E 3.2 Barn Owl Box</li> <li>E 3.2 Ecological Fencing (inc. highway boundary fence)</li> </ul>
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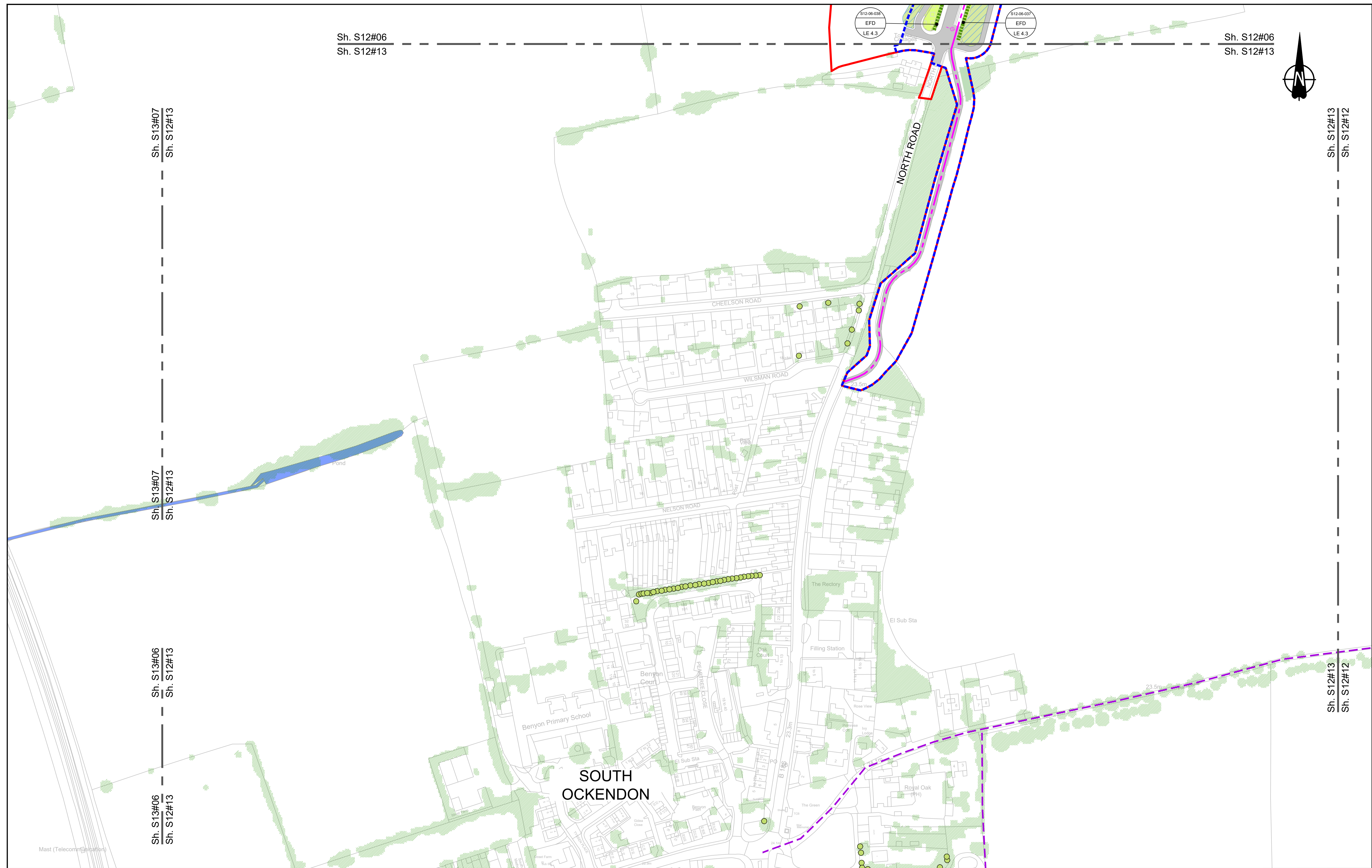
Client

Project

**LOWER THAMES CROSSING**

Status	Initial Status or WIP	Original Size	A1	Revision	P01.6
Application Document Number	TR010032/APP/6.2	Scale	1:1250		
Drawing title	<b>ENVIRONMENTAL MASTERPLAN SECTION 12 SHEET 12</b>				
Drawing Number	HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ-00013				





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

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

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

P01.6 50 08/08/2022 LD

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

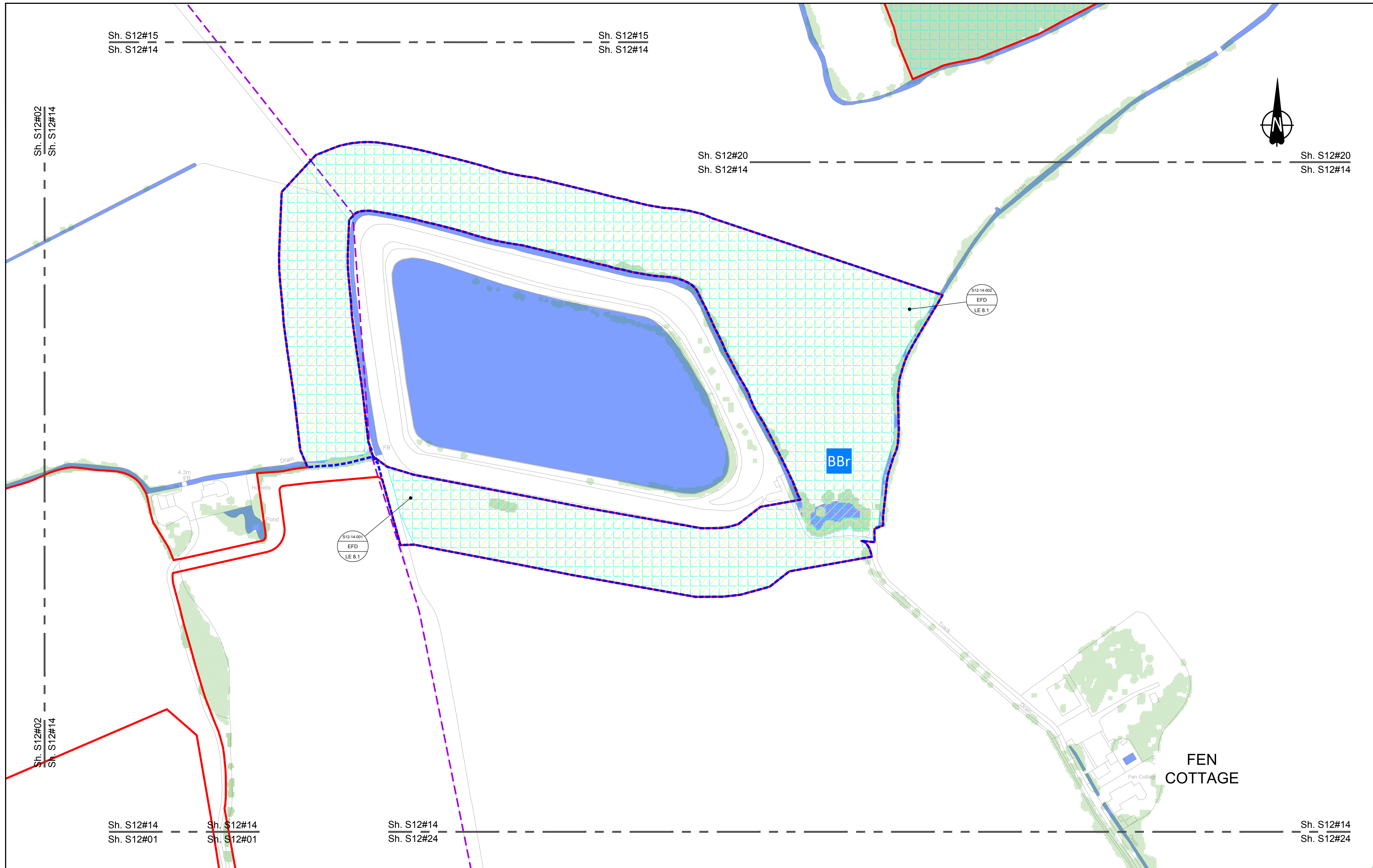
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Grassland (LE 1)	Planting (LE 2)	Individual Trees (LE 5)	Ecological Habitats (LE 8)	Ecological (E 3)
LE 1.3 Species Rich Grassland	LE 2.1 Woodland	LE 5.1 Individual Trees	LE 8.1 Open Mosaic Habitat	E 3.2 Ecological Habitat Creation and Receptor sites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

Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.6
Scale	1:1250		
Drawing title	<b>ENVIRONMENTAL MASTERPLAN SECTION 12 SHEET 13</b>		
Drawing Number	HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ-00014		



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

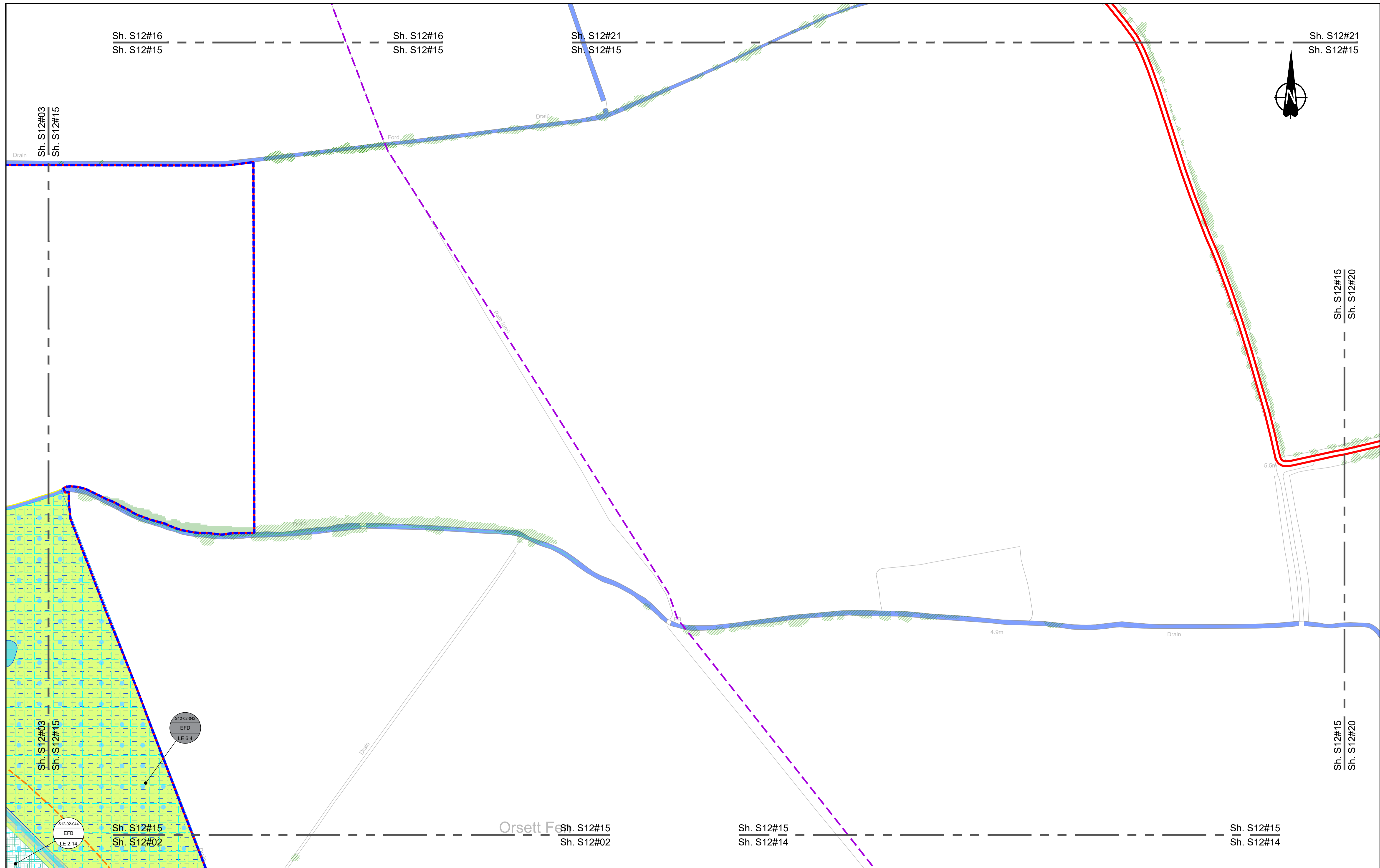
**Environmental Mitigation Legend:** Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ\_EN000000\_Z-DR-ZZ-00001).

<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 (untrimsed) LE 4.4 Native Hedgerow With Trees	<b>Individual Trees (LE 5)</b> LE 5.1 Individual Trees <b>Wetland Habitats (LE 6)</b> LE 6.11 Water Bodies - Standing Water LE 6.12 Water Bodies and Associated Plants - Shallow Scrape LE 6.2 Banks and Ditches LE 6.21 Banks and Ditches - High Tide Roost Features LE 6.4 Wet Grassland LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh <b>Hard Landscape Features (LE 7)</b> LE 7.4 Reinforced Earth Bund <b>Earthworks</b> Proposed Contours	<b>Ecological Habitats (LE 8)</b> LE 8.1 Open Mosaic Habitat LE 8.2 Ancient Woodland Compensation Planting LE 8.3 Woodland Mitigation Planting LE 8.4 Wetland / Fenland Creation LE 8.5 Ecology Pond (indicative symbol only) LE 8.6 Acid Grassland Soil Salvage <b>Noise (E 1)</b> LE 8.7 Nitrogen Deposition (NDEP) Compensation Area 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	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.5
Drawing Title	ENVIRONMENTAL MASTERPLAN SECTION 12 SHEET 14		
Drawing Number	HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ-00015		
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.

P01.5 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-SZ2\_EN000000\_Z-DR-ZZ-00001).

Grassland (LE 1)	Planting (LE 2)	Individual Trees (LE 5)	Ecological Habitats (LE 8)	Noise (E 1)	Water (E 2)
LE 1.3 Species Rich Grassland	LE 2.1 Woodland	LE 5.1 Individual Trees	LE 8.1 Open Mosaic Habitat	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	LE 2.5 Shrub with Intermittent Trees
LE 1.31 Species Rich Chalk Grassland	LE 2.11 Woodland with Non-Native Species	LE 5.11 Water Bodies - Standing Water	LE 8.2 Ancient Woodland Compensation Planting	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	LE 2.7 Scattered Trees
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.14 Wet / Carr Woodland	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape	LE 8.3 Woodland Mitigation Planting	Flood Compensation Areas (E 2-FCA)	LE 2.8 Scrub / Scattered Scrub
LE 1.4 Rock and Scree	LE 2.2 Woodland Edge	LE 6.2 Barks and Ditches	LE 8.4 Wetland / Farmland Creation	Flood Defence (E 2-FD)	Hedges (LE 4)
	LE 2.22 Scrub Woodland	LE 6.4 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 8.5 Ecology Pond (indicative symbol only)		LE 4.3 Native Species Hedge (untrimmed)
	LE 2.4 Linear Belt of Shrubs and Trees	LE 7.4 Reinforced Earth Bund	LE 8.6 Acid Grassland Soil Salvage		LE 4.4 Native Hedgerow with Trees
		Earthworks			
		Proposed Contours			

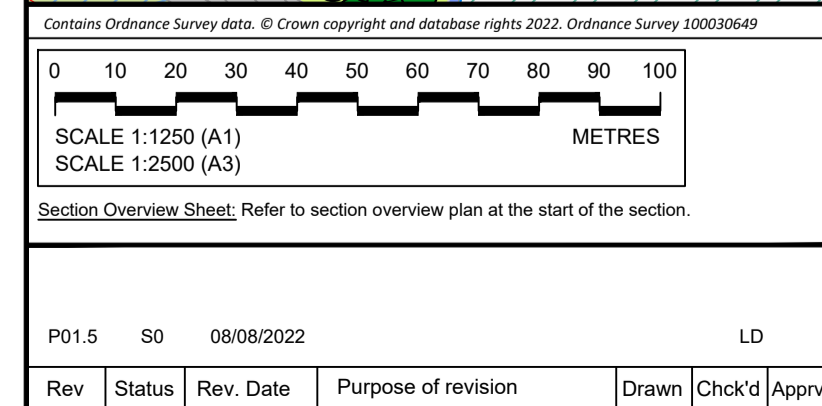
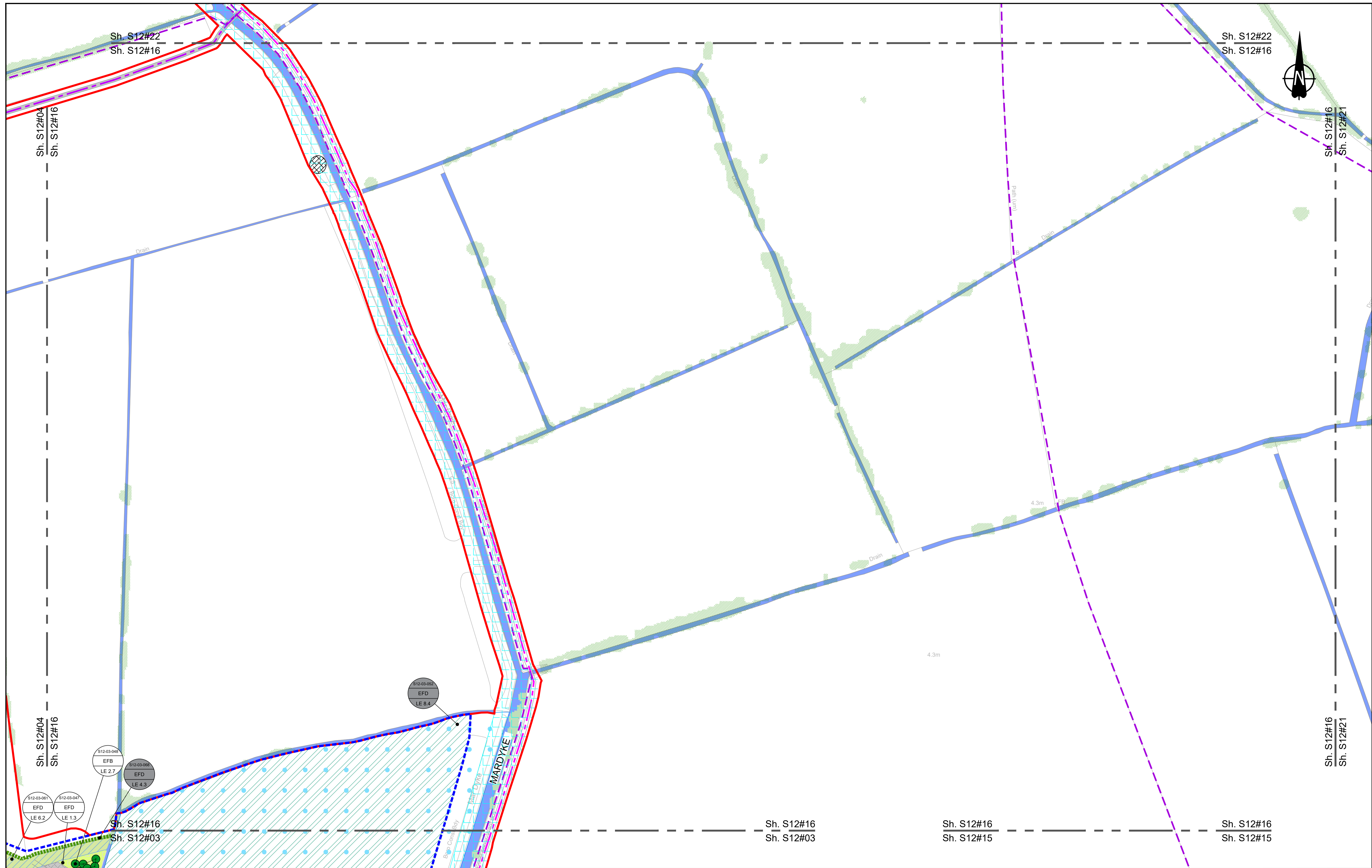
Client

Project

**LOWER THAMES CROSSING**

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.5
Drawing title	<b>ENVIRONMENTAL MASTERPLAN SECTION 12 SHEET 15</b>		
Drawing Number	HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ-00016		
Scale	1:1250		

HE540039-CJV-EGN-S12\_EN000000\_Z-DR-ZZ-00016.dwg



**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>	<b>Planting (LE 2)</b>	<b>Individual Trees (LE 5)</b>
Order Limits	LE 2.1 Woodland	LE 5.1 Individual Trees
Permanent Acquisition of Land	LE 2.11 Woodland With Non-Native Species	LE 5.11 Water Bodies - Standing Water
	LE 2.14 Wet / Carr Woodland	LE 6.1 Marsh and Wet Grassland - Coastal Grazing Marsh
<b>Grassland (LE 1)</b>	LE 2.2 Woodland Edge	LE 6.2 Barks and Ditches
LE 1.3 Species Rich Grassland	LE 2.22 Scrub Woodland	LE 6.21 Barks and Ditches - High Tide Root Features
LE 1.31 Species Rich Chalk Grassland	LE 2.4 Linear Belt of Shrubs and Trees	
LE 1.32 Species Rich Annual Wildflower Grassland		
LE 1.4 Rock and Scree		
	<b>Hedges (LE 4)</b>	<b>Hard Landscape Features (LE 7)</b>
	LE 4.3 Native Species Hedge (untrimmed)	LE 7.4 Reinforced Earth Bund
	LE 4.4 Native Hedgerow With Trees	<b>Earthworks</b>
		Proposed Contours

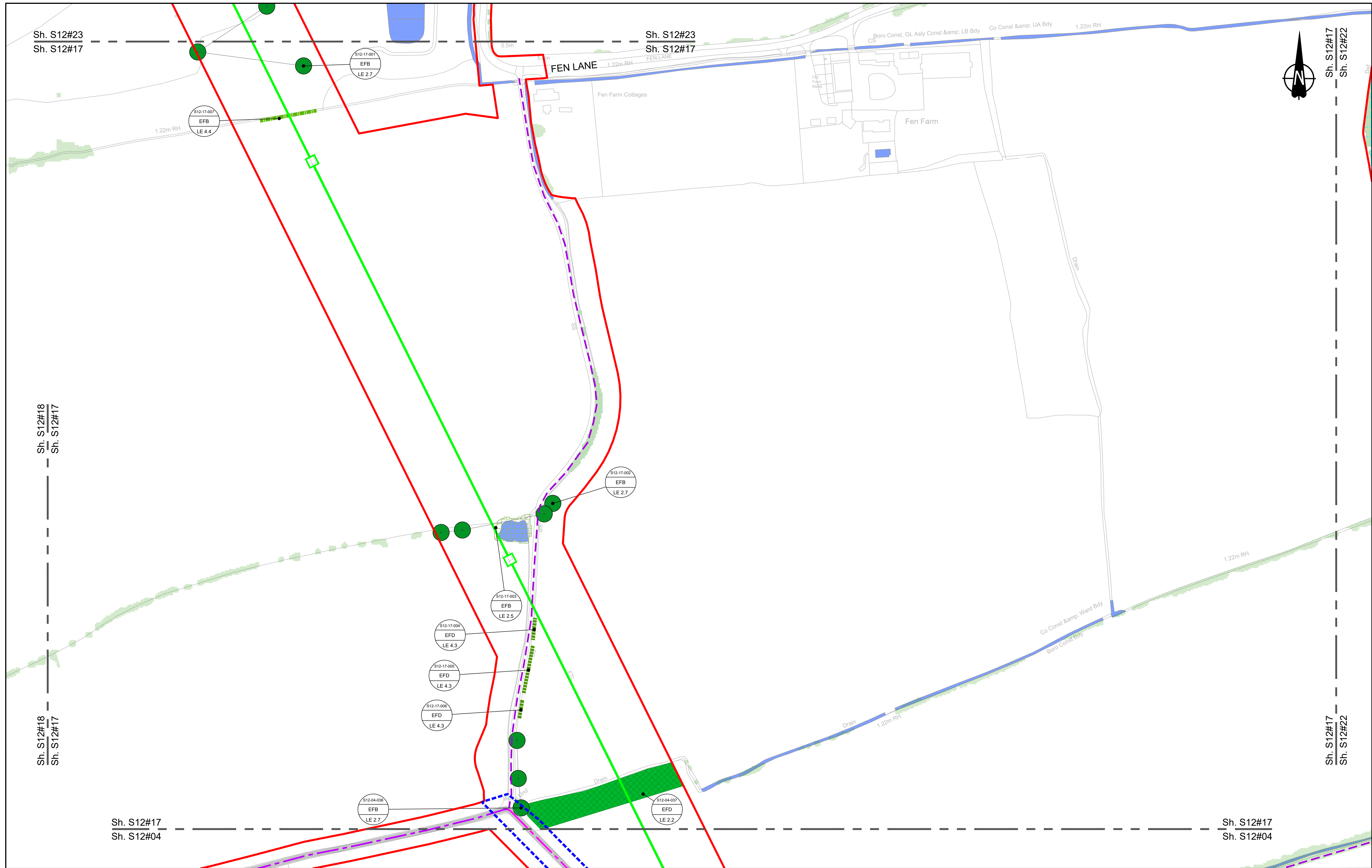
<b>Ecological Habitats (LE 8)</b>	<b>Noise (E 1)</b>	<b>Water (E 2)</b>
LE 8.1 Open Mosaic Habitat	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	LE 2.1 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)
LE 8.2 Ancient Woodland Compensation Planting		LE 2.2 Flood Compensation Areas (E 2-FCA)
LE 8.3 Woodland Mitigation Planting		LE 2.5 Ecology Pond (indicative symbol only)
LE 8.4 Wetland / Farmland Creation		LE 2.6 Flood Defence (E 2-FD)
LE 8.5 Ecology Pond (indicative symbol only)		
LE 8.6 Acid Grassland Soil Salvage		

<b>Ecological (E 3)</b>	<b>E 3.2 Ecological Fencing (inc. highway boundary fence)</b>
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 Boxes
E 3.2 Bat Boxes	E 3.2 Ecological Culvert
E 3.2 Ecological Culvert	E 3.2 Bat Barn Block
E 3.2 Bat Barn Block	

Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status: Initial Status or WIP	Original Size: A1	Revision: P01.5
Application Document Number: TR010032/APP/6.2	Scale: 1:1250	
Drawing title: <b>ENVIRONMENTAL MASTERPLAN SECTION 12 SHEET 16</b>		
Drawing Number: HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ-00017		



Sh. S12#23  
Sh. S12#17

Sh. S12#23  
Sh. S12#17

Sh. S12#17  
Sh. S12#22

Sh. S12#18  
Sh. S12#17

Sh. S12#18  
Sh. S12#17

Sh. S12#17  
Sh. S12#22

Sh. S12#17  
Sh. S12#04

Sh. S12#17  
Sh. S12#04

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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
P01.5	SO	08/08/2022				LD

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

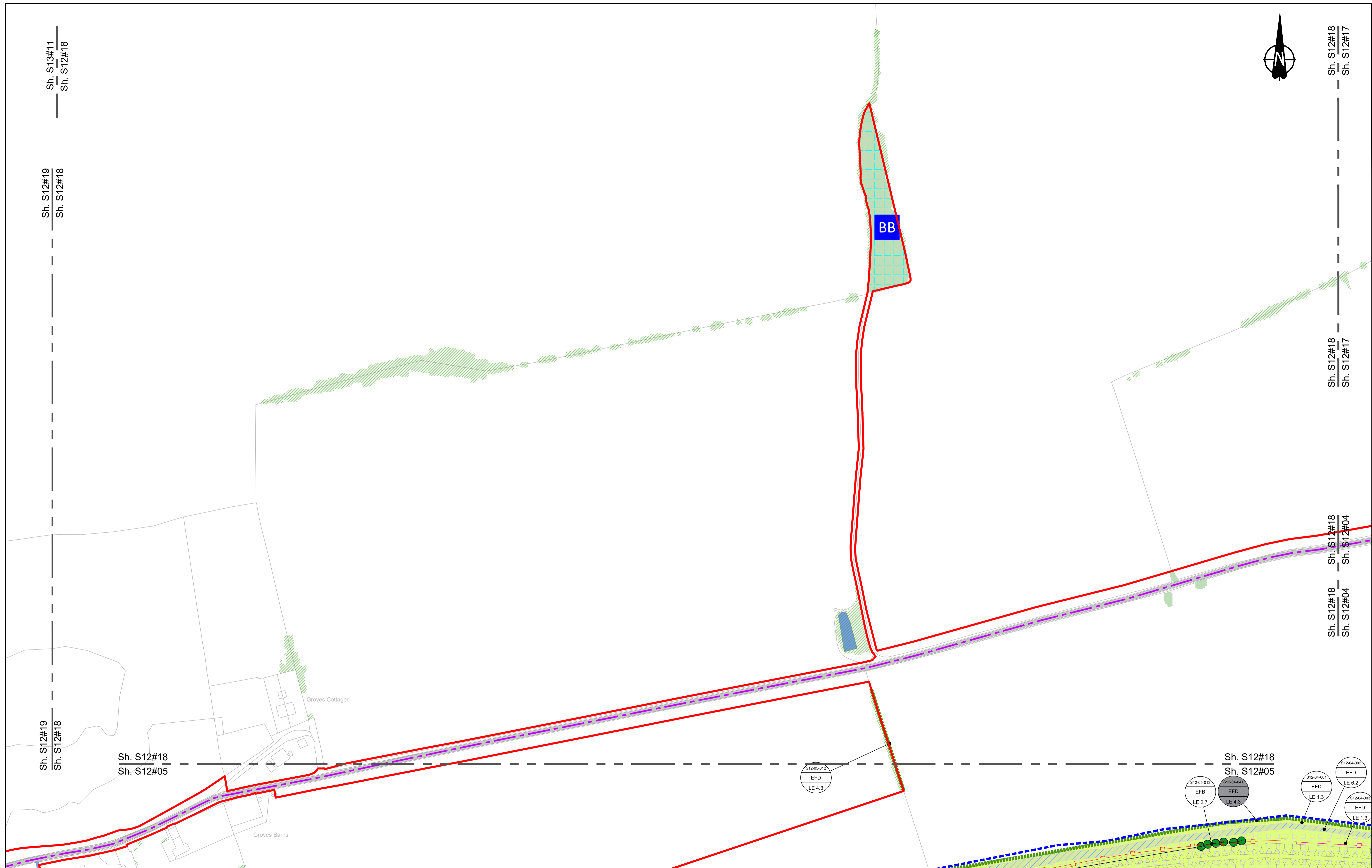
<p><b>Order Limits</b></p> <ul style="list-style-type: none"> <li>Permanent Acquisition of Land</li> </ul> <p><b>Grassland (LE 1)</b></p> <ul style="list-style-type: none"> <li>LE 1.3 Species Rich Grassland</li> <li>LE 1.31 Species Rich Chalk Grassland</li> <li>LE 1.32 Species Rich Annual Wildflower 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>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 Ecological Fencing (inc. highway boundary fence)</li> <li>E 3.2 Bat Barn Block</li> <li>E 3.2 Bat Barn Owl Box</li> </ul>
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Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.5
Drawing Title	ENVIRONMENTAL MASTERPLAN SECTION 12 SHEET 17		
Drawing Number	HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ-00018		
		Scale	1:1250

HE540039-CJV-EGN-S12\_EN000000\_Z-DR-ZZ-00018.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.

P01.6 SO 08/08/2022 LD

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

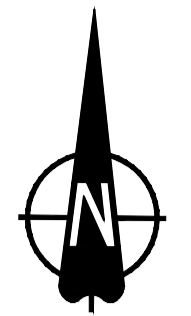
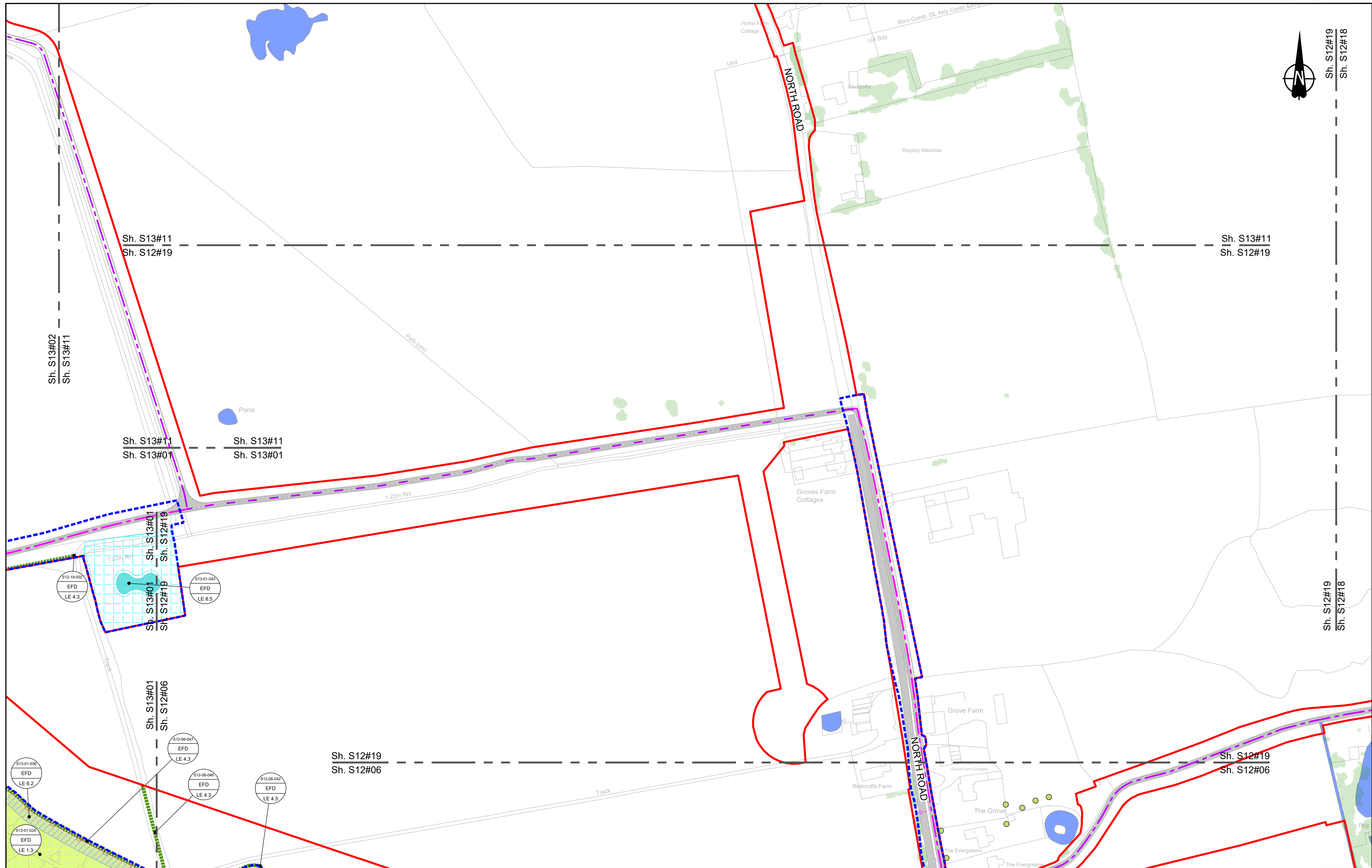
**Environmental Mitigation Legend:** Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZ2\_EN000000\_Z-DR-ZZ-00001).

Grassland (LE 1)	Planting (LE 2)	Individual Trees (LE 5)	Wetland Habitats (LE 6)	Hard Landscape Features (LE 7)	Ecological Habitats (LE 8)	Noise (E 1)	Water (E 2)	Ecological (E 3)	
LE 1.3 Species Rich Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual Wildflower Grassland LE 1.4 Rock and Scree	LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species LE 2.14 Wet / Carr Woodland LE 2.2 Woodland Edge LE 2.22 Scrub Woodland LE 2.4 Linear Belt of Shrubs and Trees	LE 5.1 Individual Trees	LE 6.1 Water Bodies - Standing Water LE 6.12 Water Bodies and Associated Plants - Shallow Scrape LE 6.2 Banks and Ditches LE 6.21 Banks and Ditches - High Tide Roost Features	LE 7.4 Reinforced Earth Bund Proposed Contours	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 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence) Flood Compensation Areas (E 2-FCA) Flood Defence (E 2-FD)	LE 2.5 Shrubs With Intermittent Trees LE 2.7 Scattered Trees LE 2.8 Scrub / Scattered Scrub LE 4.3 Native Species Hedge (untrimm'd) LE 4.4 Native Hedgerow With Trees	LE 6.4 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh LE 7.7 Reinforced Earth Bund Earthworks	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species E 3.2 Dormouse Boxes E 3.2 Bat Boxes E 3.2 Ecological Culvert E 3.2 Bat Barn Block E 3.2 Ecological Fencing (inc. highway boundary fence)

Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.6
Scale	1:1250		
Drawing Title	<b>ENVIRONMENTAL MASTERPLAN SECTION 12 SHEET 18</b>		
Drawing Number	HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ-00019		



Sh. S12#19  
Sh. S12#18

Sh. S12#19  
Sh. S12#18

Sh. S13#11  
Sh. S12#19

Sh. S13#11  
Sh. S12#19

Sh. S13#11  
Sh. S13#01

Sh. S13#01  
Sh. S12#19

Sh. S12#19  
Sh. S12#06

Sh. S12#19  
Sh. S12#06

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

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

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

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

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

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 6.1 Water Bodies - Standing Water
LE 1.31 Species Rich Chalk Grassland	LE 2.2 Woodland Edge	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.22 Scrub Woodland	LE 6.2 Banks and Ditches
LE 1.4 Rock and Scree	LE 2.4 Linear Belt of Shrubs and Trees	LE 6.21 Banks and Ditches - High Tide Root Features
	LE 2.5 Shrubs With Intermittent Trees	<b>Hard Landscape Features (LE 7)</b>
	LE 2.7 Scattered Trees	LE 7.4 Reinforced Earth Bund
	LE 2.8 Scrub / Scattered Scrub	<b>Earthworks</b>
	<b>Hedges (LE 4)</b>	Proposed Contours
	LE 4.3 Native Species Hedge (untrimmed)	
	LE 4.4 Native Hedgerow With Trees	

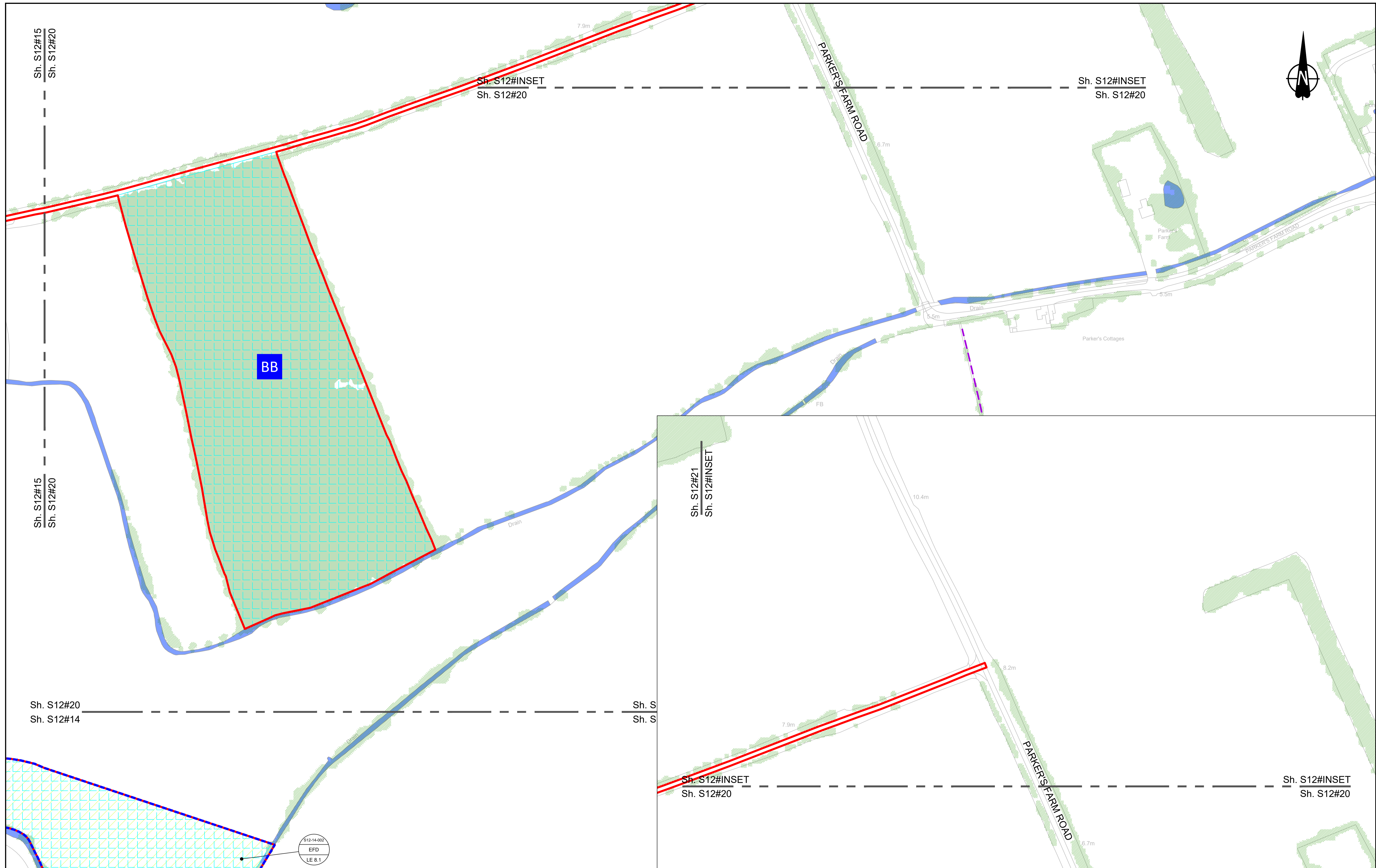
<b>Ecological Habitats (LE 8)</b>	<b>Noise (E 1)</b>	<b>Ecological (E 3)</b>
LE 8.1 Open Mosaic Habitat	E 1.2 Acoustic Barrier - Built Elements (typically inc. highway boundary fence)	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
LE 8.2 Ancient Woodland Compensation Planting	<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 Ecological Culvert
LE 8.5 Ecology Pond (indicative symbol only)		E 3.2 Bat Barn Block
LE 8.6 Acid Grassland Soil Salvage		

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

Client: national highways

Project: LOWER THAMES CROSSING

Status: Initial Status or WIP	Original Size: A1	Revision: P01.5
Application Document Number: TR010032/APP/6.2	Scale: 1:1250	
Drawing title: ENVIRONMENTAL MASTERPLAN SECTION 12 SHEET 19		
Drawing Number: HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ-00020		



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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
P01.5	SD	08/08/2022				LD

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

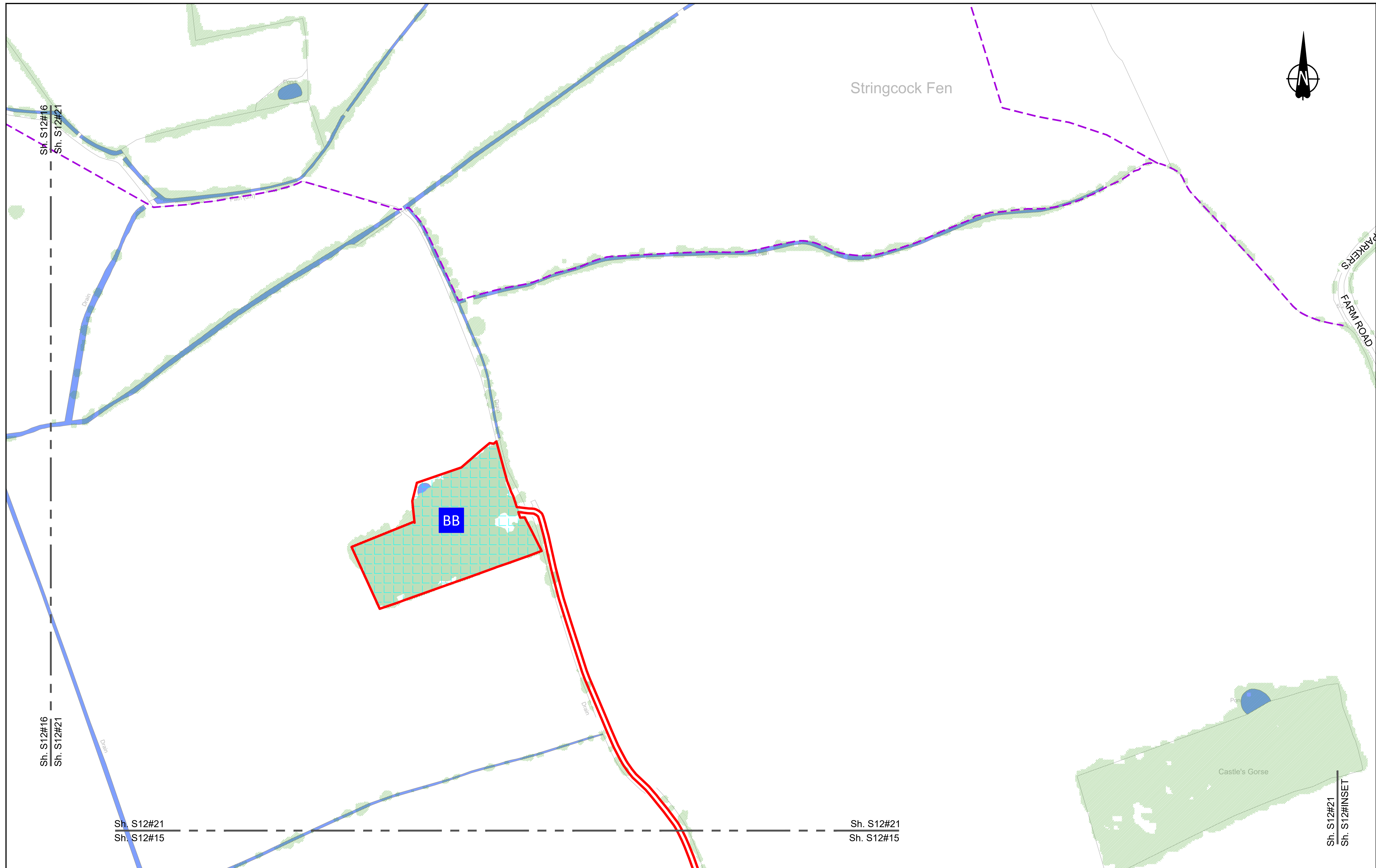
<p><b>Order Limits</b></p> <ul style="list-style-type: none"> <li>Permanent Acquisition of Land</li> </ul> <p><b>Grassland (LE 1)</b></p> <ul style="list-style-type: none"> <li>LE 1.3 Species Rich Grassland</li> <li>LE 1.31 Species Rich Chalk Grassland</li> <li>LE 1.32 Species Rich Annual Wildflower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

Project: **LOWER THAMES CROSSING**

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.5
Scale	1:1250		
Drawing title	<b>ENVIRONMENTAL MASTERPLAN SECTION 12 SHEET 20</b>		
Drawing Number	HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ-00021		





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

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

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

**Environmental Mitigation Legend:** Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-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 (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 Root Features</li> </ul>	<p><b>Wet Grassland</b></p> <ul style="list-style-type: none"> <li>LE 6.4 Wet Grassland</li> </ul> <p><b>Marsh and Wet Grassland - Coastal Grazing Marsh</b></p> <ul style="list-style-type: none"> <li>LE 6.41 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 Dormouse Boxes</li> <li>E 3.2 Bat Boxes</li> <li>E 3.2 Ecological Culvert</li> <li>E 3.2 Bat Barn Block</li> </ul>	<ul style="list-style-type: none"> <li>E 3.2 Barn Owl Box</li> <li>E 3.2 Ecological Fencing (inc. highway boundary fence)</li> </ul>
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Client

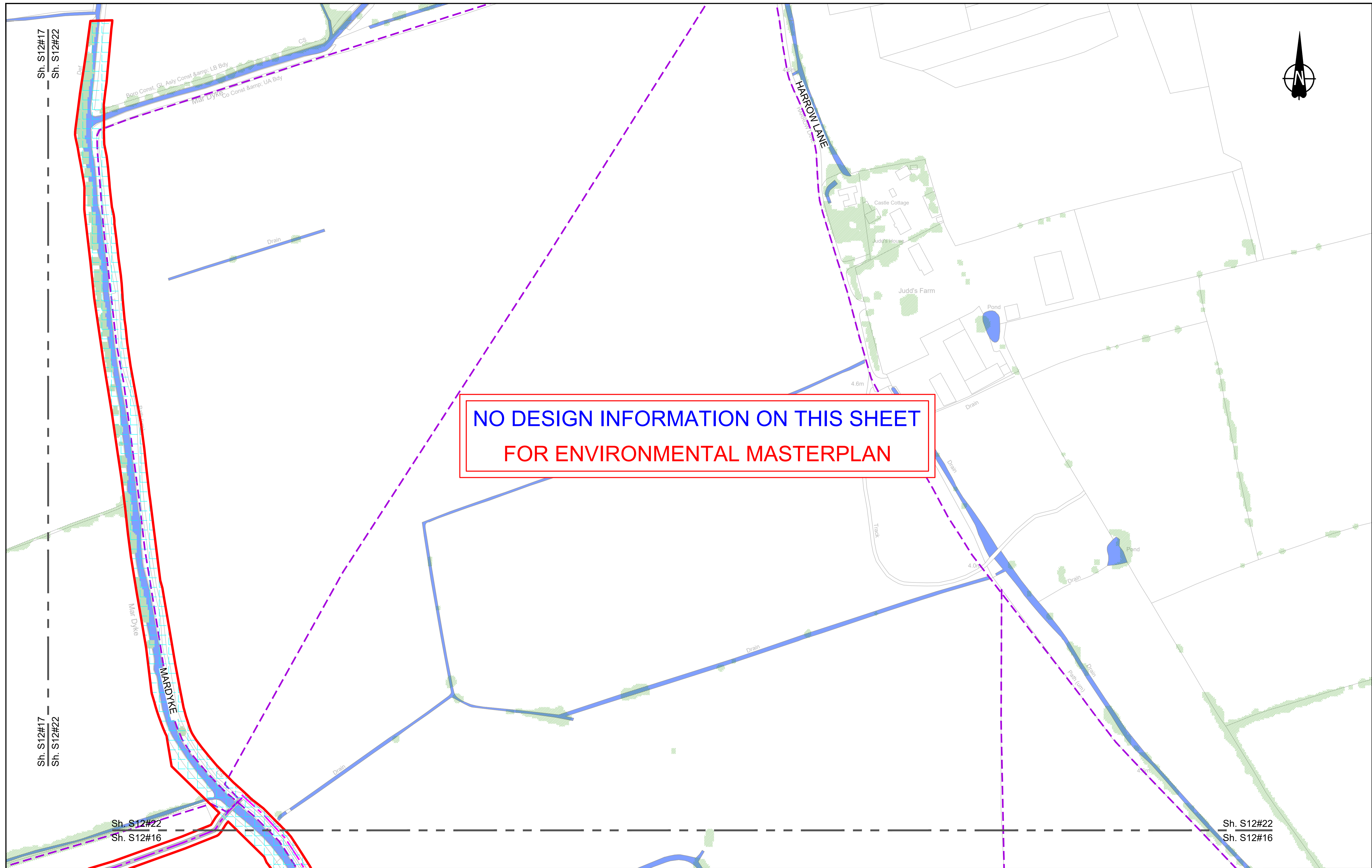
Project

**LOWER THAMES CROSSING**

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.6
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 12 SHEET 21		
Drawing Number	HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ-00022		

Scale 1:1250

HE540039-CJV-EGN-S12\_EN000000\_Z-DR-ZZ-00022.dwg



NO DESIGN INFORMATION ON THIS SHEET  
FOR ENVIRONMENTAL MASTERPLAN

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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
P01.6	SO	08/08/2022				LD

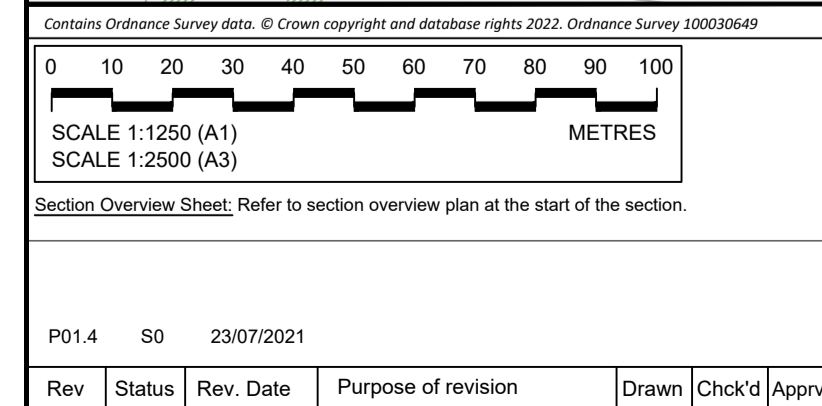
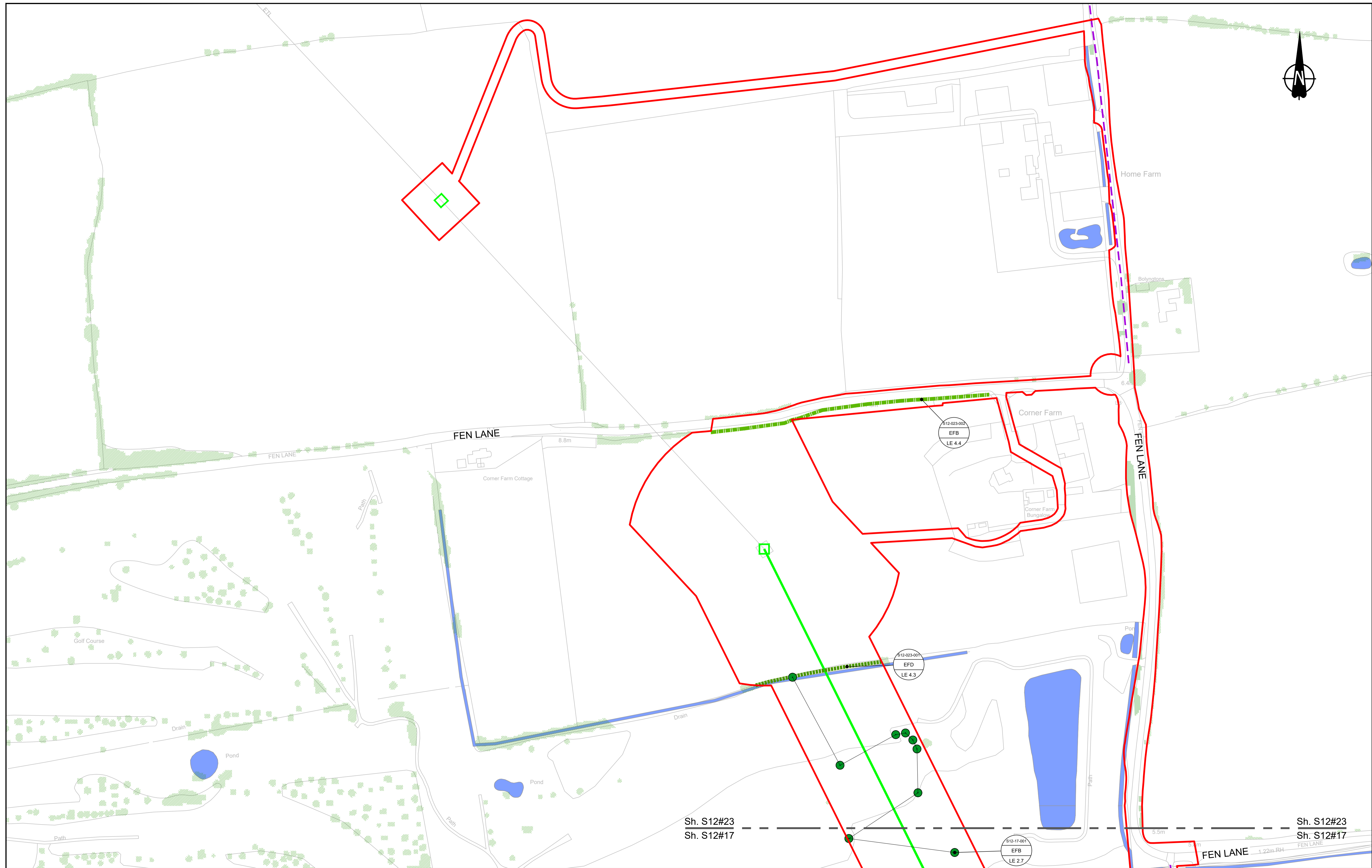
**Environmental Mitigation Legend:** Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ\_EN000000\_Z-DR-ZZ-00001).

<p><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 Banks and Ditches</li> <li>LE 6.21 Banks and Ditches - High Tide Root 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>E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)</li> </ul> <p><b>Water (E 2)</b></p> <ul style="list-style-type: none"> <li>Flood Compensation Areas (E 2-FCA)</li> <li>Flood Defence (E 2-FD)</li> </ul>	<p><b>Ecological (E 3)</b></p> <ul style="list-style-type: none"> <li>E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species</li> <li>E 3.2 Dormouse Boxes</li> <li>E 3.2 Bat Boxes</li> <li>E 3.2 Ecological Culvert</li> <li>E 3.2 Bat Barn Block</li> </ul>	<ul style="list-style-type: none"> <li>E 3.2 Ecological Fencing (inc. highway boundary fence)</li> <li>E 3.2 Barn Owl Box</li> </ul>
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Client: national highways

Project: LOWER THAMES CROSSING

Status	Initial Status or WIP	Original Size	A1	Revision	P01.6
Application Document Number	TR010032/APP/6.2	Scale	1:1250		
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 12 SHEET 22				
Drawing Number	HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ-00023				



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

Order Limits	<b>Planting (LE 2)</b>	<b>Individual Trees (LE 5)</b>	<b>Wetland Habitats (LE 6)</b>	<b>Hard Landscape Features (LE 7)</b>	<b>Ecological (E 1)</b>	<b>Ecological (E 2)</b>	<b>Ecological (E 3)</b>	<b>Ecological (E 4)</b>
Permanent Acquisition of Land	LE 2.1 Woodland	LE 5.1 Individual Trees	LE 6.1 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 7.4 Reinforced Earth Bund	LE 8.1 Nitrogen Deposition (NDEP) Compensation Area	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 2.1 Ecological Habitat Creation and Receptor sites for Protected Species	E 3.2 Ecological Fencing (inc. highway boundary fence)
<b>Grassland (LE 1)</b>	LE 2.11 Woodland With Non-Native Species	LE 5.2 Scattered Trees	LE 6.2 Water Bodies - Standing Water	LE 7.4.1 Reinforced Earth Bund	E 1.1 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 2.2 Flood Compensation Areas (E 2-FCA)	E 3.2 Ecological Culvert	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 1.3 Species Rich Grassland	LE 2.14 Wet / Carr Woodland	LE 2.8 Scrub / Scattered Scrub	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape	<b>Earthworks</b>	E 2.3 Flood Defence (E 2-FD)	E 3.2 Bat Boxes	E 3.2 Bat Barn Block	E 3.2 Bat Barn Block
LE 1.31 Species Rich Chalk Grassland	LE 2.2 Woodland Edge	LE 4.3 Native Species Hedge (untrimmed)	LE 6.2 Barks and Ditches	Proposed Contours	E 3.2 Ecological Fencing (inc. highway boundary fence)	E 3.2 Ecological Fencing (inc. highway boundary fence)	E 3.2 Ecological Fencing (inc. highway boundary fence)	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.22 Scrub Woodland	LE 4.4 Native Hedgerow With Trees	LE 6.21 Banks and Ditches - High Tide Roost Features	LE 8.6 Acid Grassland Soil Salvage	E 3.2 Ecological Fencing (inc. highway boundary fence)	E 3.2 Ecological Fencing (inc. highway boundary fence)	E 3.2 Ecological Fencing (inc. highway boundary fence)	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 1.4 Rock and Scree	LE 2.4 Linear Belt of Shrubs and Trees	LE 2.5 Shrubs With Intermittent Trees	LE 6.4 Wet Grassland	LE 8.1 Open Mosaic Habitat	E 3.2 Ecological Fencing (inc. highway boundary fence)	E 3.2 Ecological Fencing (inc. highway boundary fence)	E 3.2 Ecological Fencing (inc. highway boundary fence)	E 3.2 Ecological Fencing (inc. highway boundary fence)

LE 1.3 Species Rich Grassland	LE 2.1 Woodland	LE 2.5 Shrubs With Intermittent Trees	LE 6.4 Wet Grassland	LE 8.1 Open Mosaic Habitat	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 1.31 Species Rich Chalk Grassland	LE 2.11 Woodland With Non-Native Species	LE 2.7 Scattered Trees	LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 8.2 Ancient Woodland Compensation Planting	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.14 Wet / Carr Woodland	LE 2.8 Scrub / Scattered Scrub	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape	LE 8.3 Woodland Mitigation Planting	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 1.4 Rock and Scree	LE 2.2 Woodland Edge	LE 4.3 Native Species Hedge (untrimmed)	LE 6.2 Barks and Ditches	LE 8.4 Wetland / Farmland Creation	E 3.2 Ecological Fencing (inc. highway boundary fence)
	LE 2.22 Scrub Woodland	LE 4.4 Native Hedgerow With Trees	LE 6.21 Banks and Ditches - High Tide Roost Features	LE 8.5 Ecology Pond (indicative symbol only)	E 3.2 Ecological Fencing (inc. highway boundary fence)
	LE 2.4 Linear Belt of Shrubs and Trees			LE 8.6 Acid Grassland Soil Salvage	E 3.2 Ecological Fencing (inc. highway boundary fence)

LE 1.3 Species Rich Grassland	LE 2.1 Woodland	LE 2.5 Shrubs With Intermittent Trees	LE 6.4 Wet Grassland	LE 8.1 Open Mosaic Habitat	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 1.31 Species Rich Chalk Grassland	LE 2.11 Woodland With Non-Native Species	LE 2.7 Scattered Trees	LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 8.2 Ancient Woodland Compensation Planting	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.14 Wet / Carr Woodland	LE 2.8 Scrub / Scattered Scrub	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape	LE 8.3 Woodland Mitigation Planting	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 1.4 Rock and Scree	LE 2.2 Woodland Edge	LE 4.3 Native Species Hedge (untrimmed)	LE 6.2 Barks and Ditches	LE 8.4 Wetland / Farmland Creation	E 3.2 Ecological Fencing (inc. highway boundary fence)
	LE 2.22 Scrub Woodland	LE 4.4 Native Hedgerow With Trees	LE 6.21 Banks and Ditches - High Tide Roost Features	LE 8.5 Ecology Pond (indicative symbol only)	E 3.2 Ecological Fencing (inc. highway boundary fence)
	LE 2.4 Linear Belt of Shrubs and Trees			LE 8.6 Acid Grassland Soil Salvage	E 3.2 Ecological Fencing (inc. highway boundary fence)

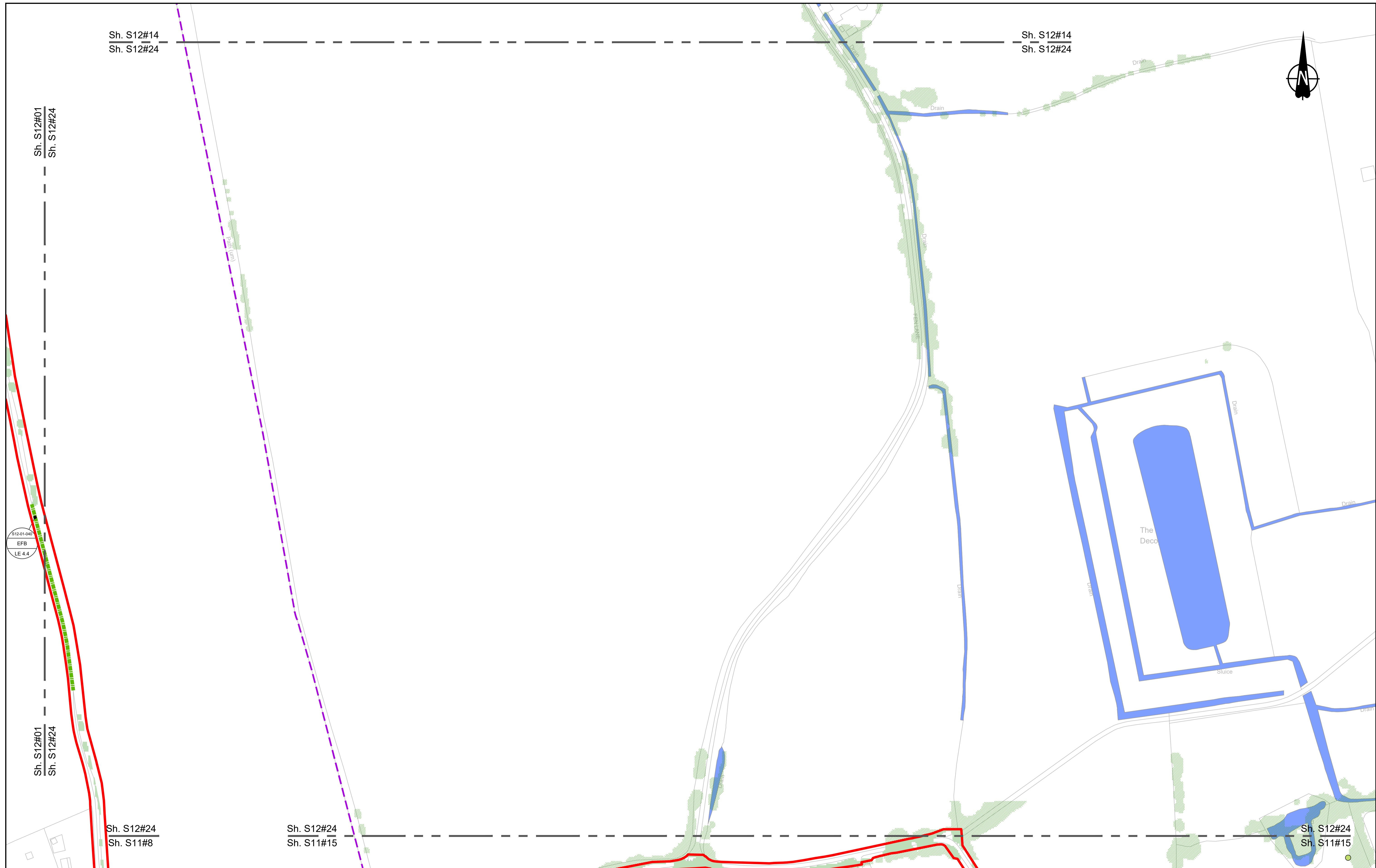
LE 1.3 Species Rich Grassland	LE 2.1 Woodland	LE 2.5 Shrubs With Intermittent Trees	LE 6.4 Wet Grassland	LE 8.1 Open Mosaic Habitat	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 1.31 Species Rich Chalk Grassland	LE 2.11 Woodland With Non-Native Species	LE 2.7 Scattered Trees	LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 8.2 Ancient Woodland Compensation Planting	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.14 Wet / Carr Woodland	LE 2.8 Scrub / Scattered Scrub	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape	LE 8.3 Woodland Mitigation Planting	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 1.4 Rock and Scree	LE 2.2 Woodland Edge	LE 4.3 Native Species Hedge (untrimmed)	LE 6.2 Barks and Ditches	LE 8.4 Wetland / Farmland Creation	E 3.2 Ecological Fencing (inc. highway boundary fence)
	LE 2.22 Scrub Woodland	LE 4.4 Native Hedgerow With Trees	LE 6.21 Banks and Ditches - High Tide Roost Features	LE 8.5 Ecology Pond (indicative symbol only)	E 3.2 Ecological Fencing (inc. highway boundary fence)
	LE 2.4 Linear Belt of Shrubs and Trees			LE 8.6 Acid Grassland Soil Salvage	E 3.2 Ecological Fencing (inc. highway boundary fence)

LE 1.3 Species Rich Grassland	LE 2.1 Woodland	LE 2.5 Shrubs With Intermittent Trees	LE 6.4 Wet Grassland	LE 8.1 Open Mosaic Habitat	E 3.2 Ecological Fencing (inc. highway boundary fence)
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	LE 2.4 Linear Belt of Shrubs and Trees			LE 8.6 Acid Grassland Soil Salvage	E 3.2 Ecological Fencing (inc. highway boundary fence)

Client: national highways

Project: LOWER THAMES CROSSING

Status: Initial Status or WIP	Original Size: A1	Revision: P01.4
Application Document Number: TR010032/APP/6.2	Scale: 1:1250	
Drawing title: ENVIRONMENTAL MASTERPLAN SECTION 12 SHEET 23		
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SCALE 1:1250 (A1)  
SCALE 1:2500 (A3)

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

P01.6 SO 08/08/2022 LD

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

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

**Grassland (LE 1)**

- LE 1.3 Species Rich Grassland
- LE 1.31 Species Rich Chalk Grassland
- LE 1.32 Species Rich Annual Wildflower Grassland
- LE 1.4 Rock and Scree

**Planting (LE 2)**

- LE 2.1 Woodland
- LE 2.11 Woodland With Non-Native Species
- LE 2.14 Wet / Carr Woodland
- LE 2.2 Woodland Edge
- LE 2.22 Scrub Woodland
- LE 2.4 Linear Belt of Shrubs and Trees

**Wetland Habitats (LE 6)**

- LE 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

**Individual Trees (LE 5)**

- LE 5.1 Individual Trees
- LE 5.11 Individual Trees

**Wetland Habitats (LE 6)**

- LE 6.4 Marsh and Wet Grassland - Coastal Grazing Marsh
- LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh

**Hard Landscape Features (LE 7)**

- LE 7.4 Reinforced Earth Bund

**Earthworks**

- Proposed Contours

**Ecological Habitats (LE 8)**

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

**Noise (E 1)**

- 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

**Ecological (E 3)**

- E 3.2 Ecological Fencing (inc. highway boundary fence)
- E 3.2 Barn Owl Box

**Client**

national highways

**Project**

LOWER THAMES CROSSING

**Status**

Initial Status or WIP

Application Document Number TR010032/APP/6.2

**Scale**

1:1250

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SECTION 12  
SHEET 24

**Drawing Number**

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**Revision**

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