

Lower Thames Crossing  
6.2 Environmental Statement Figures  
Figure 2.4 - Environmental  
Masterplan Section 10 (6 of 10)  
(Clean version)

APFP Regulation 5(2)(a)

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

Volume 6

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

**VERSION: 2.0**

# Lower Thames Crossing

## Figure 2.4: Environmental Masterplan

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# 1 Environmental Masterplan: Section 10

## 1.1 Schedule of Plans included in this application document

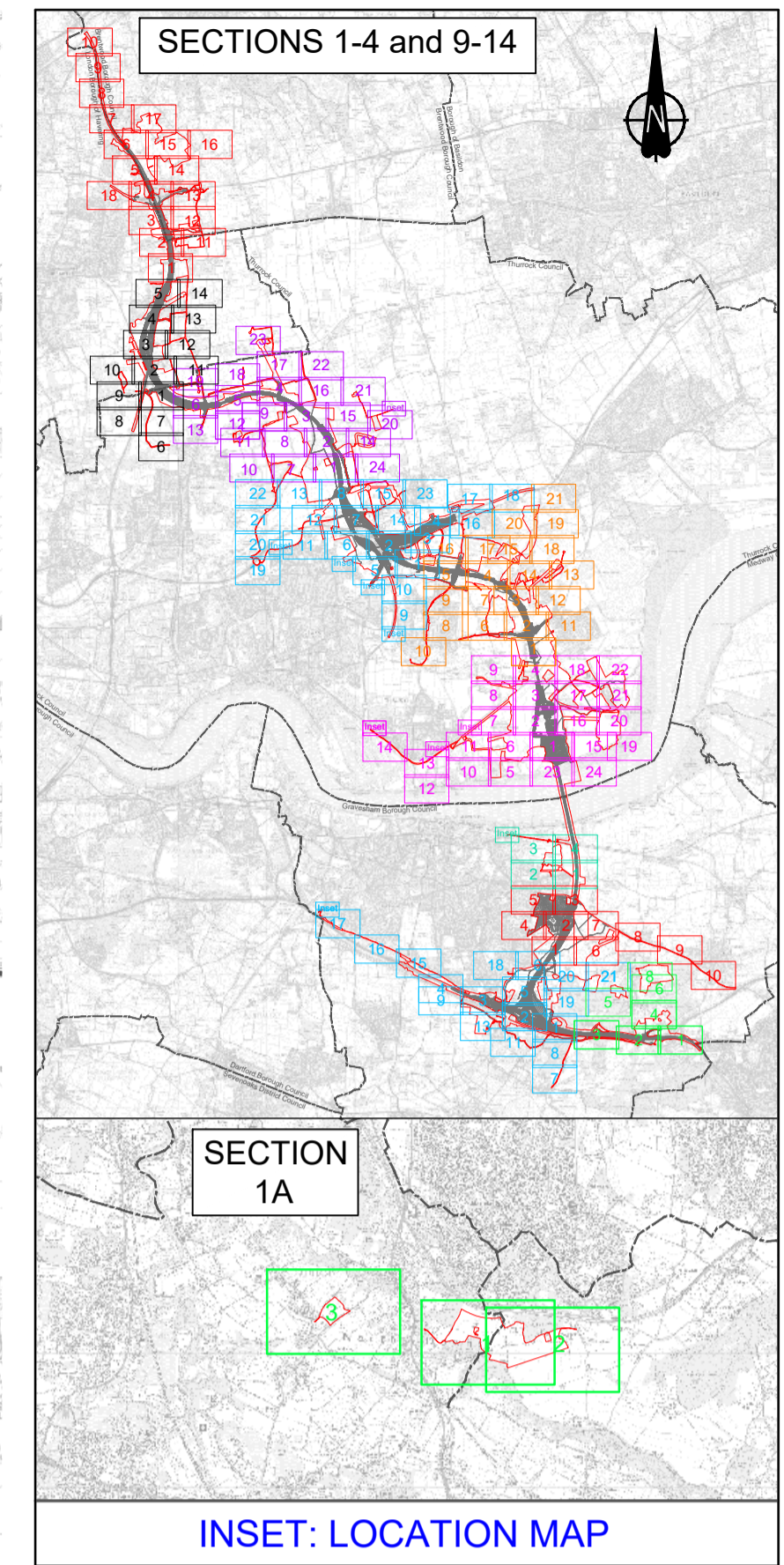
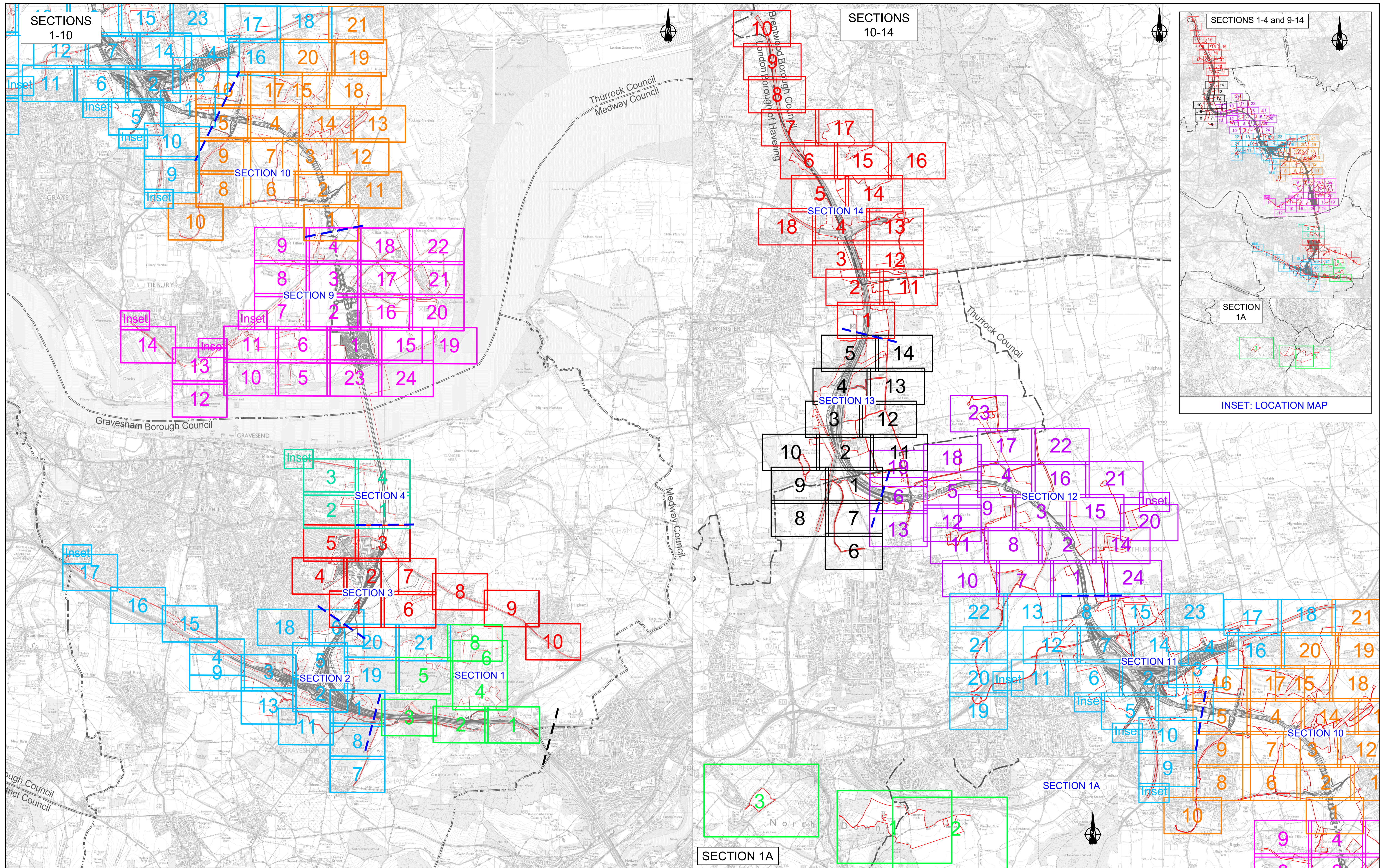
## 1.2 Section 10 (Sheets 1-21)

HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ- 00001 - Section 10 Overview	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ- 00002 - Section 10 Sheet 1	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ- 00003 - Section 10 Sheet 2	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ- 00004 - Section 10 Sheet 3	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ- 00005 - Section 10 Sheet 4	TR010032/APP/6.2	P02
HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ- 00006 - Section 10 Sheet 5	TR010032/APP/6.2	P02
HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ- 00007 - Section 10 Sheet 6	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ- 00008 - Section 10 Sheet 7	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ- 00009 - Section 10 Sheet 8	TR010032/APP/6.2	P01.6

HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ- 00010 - Section 10 Sheet 9	TR010032/APP/6.2	P01.5
HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ- 00011 - Section 10 Sheet 10	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ- 00012 - Section 10 Sheet 11	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ- 00013 - Section 10 Sheet 12	TR010032/APP/6.2	P01.5
HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ- 00014 - Section 10 Sheet 13	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ- 00015 - Section 10 Sheet 14	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ- 00016 - Section 10 Sheet 15	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ- 00017 - Section 10 Sheet 16	TR010032/APP/6.2	P02
HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ- 00018 - Section 10 Sheet 17	TR010032/APP/6.2	P01.2
HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ- 00019 - Section 10 Sheet 18	TR010032/APP/6.2	P01.2

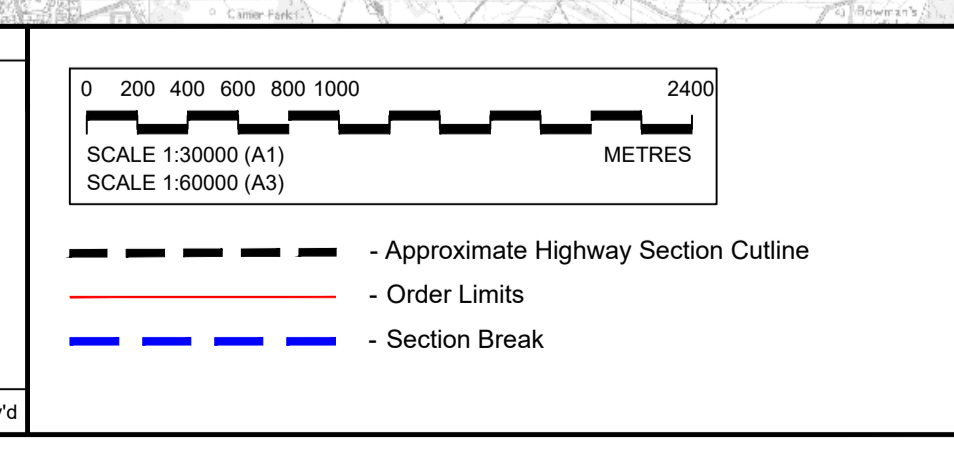
HE540039-CJV-EGN-S10_EN000000_Z- DR-ZZ-  00020 - Section 10 Sheet 19	TR010032/APP/6.2	P01.3
HE540039-CJV-EGN-S10_EN000000_Z- DR-ZZ-  00021 - Section 10 Sheet 20	TR010032/APP/6.2	P01.2
HE540039-CJV-EGN-S10_EN000000_Z- DR-ZZ-  00022 - Section 10 Sheet 21	TR010032/APP/6.2	P01.3

## 1.3 Scheme Overview



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



**Section Layout Key:**

1	Section S1 (Sheets 1 - 8)	1	Section S10 (Sheets 1 - 21)
1A	Section S1A (Sheets 1 - 3)	1	Section S11 (Sheets 1 - 22)
1	Section S2 (Sheets 1 - 21)	1	Section S12 (Sheets 1 - 24)
1	Section S3 (Sheets 1 - 10)	1	Section S13 (Sheets 1 - 14)
1	Section S4 (Sheets 1 - 4)	1	Section S14 (Sheets 1 - 18)
1	Section S9 (Sheets 1 - 24)		

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

For information, the following sheets have been omitted:

**Section 1**

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

**Section 2**

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

Client: **national highways**

Project: **LOWER THAMES CROSSING**

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



## 1.4 Environmental Masterplan Legend

**EXISTING FEATURES**

**General Features**

- Existing WCH Route
- Overhead Power Lines

**Environmental Features**

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

**PROPOSED PROJECT FEATURES**

- Order Limits
- Permanent Acquisition of Land

**General Project Features**

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

**General Project Features cont.**

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

**PROPOSED LANDSCAPE ELEMENTS**

**Grassland (LE 1)**

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

**Planting (LE 2)**

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

**Hedges (LE 4)**

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

**Individual Trees (LE 5)**

- LE 5.1 Individual Trees

**Wetland Habitats (LE 6)**

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

**General Project Features cont.**

- LE 6.41 Marsh and Wet Grassland – Coastal Grazing Marsh
- LE 7.2 Green Roof
- LE 7.3 Car Park
- LE 7.4 Reinforced Earth Bund

**Ecological Habitats (LE 8)**

- LE 8.1 Open Mosaic Habitat
- LE 8.2 Ancient Woodland Compensation Planting
- LE 8.3 Woodland Mitigation Planting
- LE 8.4 Wetland / Fenland Creation
- LE 8.5 Ecology Pond (Indicative symbol only)
- LE 8.6 Acid Grassland Soil Salvage
- LE 8.7 Nitrogen Deposition (NDEP) Compensation Area

**Earthworks**

- Proposed Contours

**PROPOSED ENVIRONMENTAL ELEMENTS**

**Noise (E 1)**

- E 1.2 Acoustic Barrier-Built Elements (typically incorporating highway boundary fence)

**Water (E 2)**

- Flood Compensation Areas (E2-FCA)
- Flood Defence (E2-FD)

**Ecological (E 3)**

- E 3.2 Ecological Habitat Creation and Receptor Sites for Protected Species
- E 3.2 Ecological Protection Measures – Dormouse Boxes
- E 3.2 Ecological Protection Measures – Bat / Bird Boxes
- E 3.2 Ecological Protection Measures – Ecological Culvert
- E 3.2 Ecological Protection Measures – Bat Barn Block
- E 3.2 Ecological Protection Measures – Ecological Fencing (incorporating highway boundary fence)

**NOTES:**

**Land Reinstatement**

The Environmental Masterplan is intended to show the permanent landscaping and environmental mitigation features that are embedded in the operational design. Land temporarily impacted by construction would be reinstated to its former condition and composition upon completion, as far as reasonably practicable and as provided for in DCO Article 35, unless otherwise shown in the Environmental Masterplan.

**WCH Terminology and Route Information**

The term 'WCH Routes' (which includes Public Rights of Way) refers to routes for walkers, cyclists and horse riders and is used in the broad sense within the Environmental Masterplan to refer to routes intended for at least one (but not necessarily more than one) of those users. For further information, please refer to the Rights of Way and Access Plans (Application Document 2.7) and the draft Development Consent Order (Application Document 3.1).

**Veteran Trees**

Veteran trees shown on the Environmental Masterplan include those identified in the Ancient Tree Inventory and project-identified potential ancient or veteran trees.

**Outline Landscape and Ecological Management Plan**

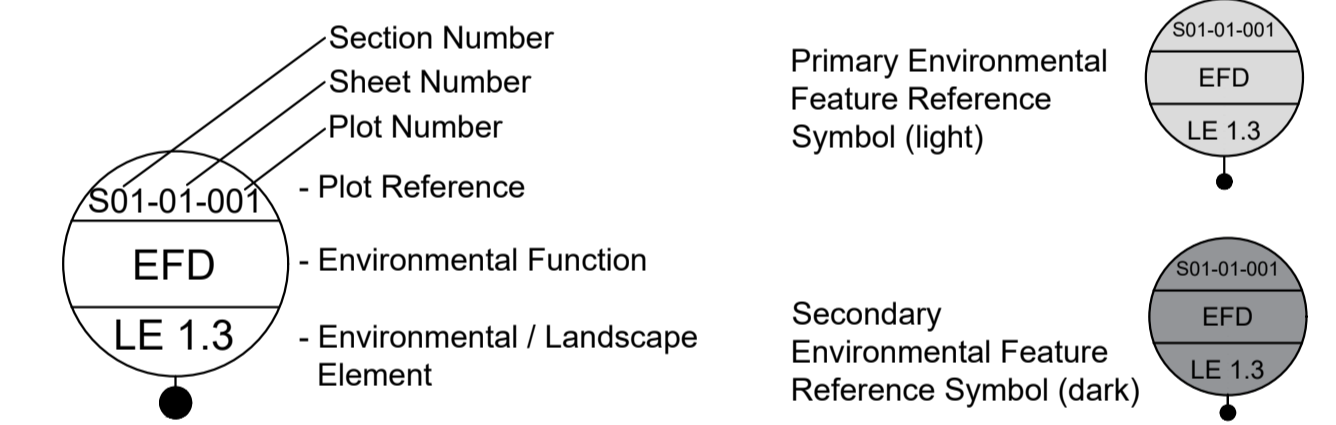
The outline Landscape and Ecology Management Plan (LEMP) separately sets out the proposed management for the environmental / landscape elements shown on the Environmental Masterplan. The Environment Masterplan secures the spatial extent and location of the environmental / landscape elements detailed within the outline LEMP. The outline LEMP details the management regimes, management expectations and monitoring requirements for the proposals in each land parcel shown on the Environmental Masterplan. It focuses on the management requirements for land parcels to be permanently acquired within the Order Limits and which perform specific landscape and ecological mitigation functions for the Project. For further detail regarding management requirements and principles, please refer to the outline LEMP (Application Document 6.7).

**Existing WCH Routes**

Existing WCH route information is based on Local Authority data. For further details, please refer to the relevant Local Authority Definitive Public Right of Way Map and Statement.

**Environmental Feature Reference Symbol**

An Environmental Feature Reference Symbol is provided for each environmental / landscape element. This contains a Plot Reference, the Environmental Function and the specific Landscape / Environmental Element. The Plot Reference is unique to each element labelled, and comprises the Section number, Sheet number and unique Plot number. Additional Environmental Feature Reference Symbols have been attributed to elements which span more than one page. The differences between the initial (Primary) Environmental Feature Reference Symbol and any additional (Secondary) versions are shown below.



**Environmental Functions (EF)**

- EFA Visual Screening
- EFB Landscape Integration
- EFC Enhancing the Built Environment
- EFD Nature Conservation and Biodiversity
- EFE Visual Amenity
- EFF Heritage
- EFG Auditory Amenity
- EFH Water Quality
- EFJ Agricultural / Highway Boundary
- EFK Access

**Project Design Report**

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

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

LOWER THAMES CROSSING

Status: Initial Status or WIP

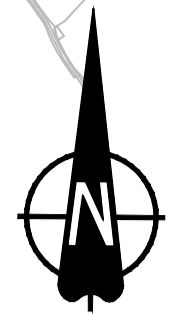
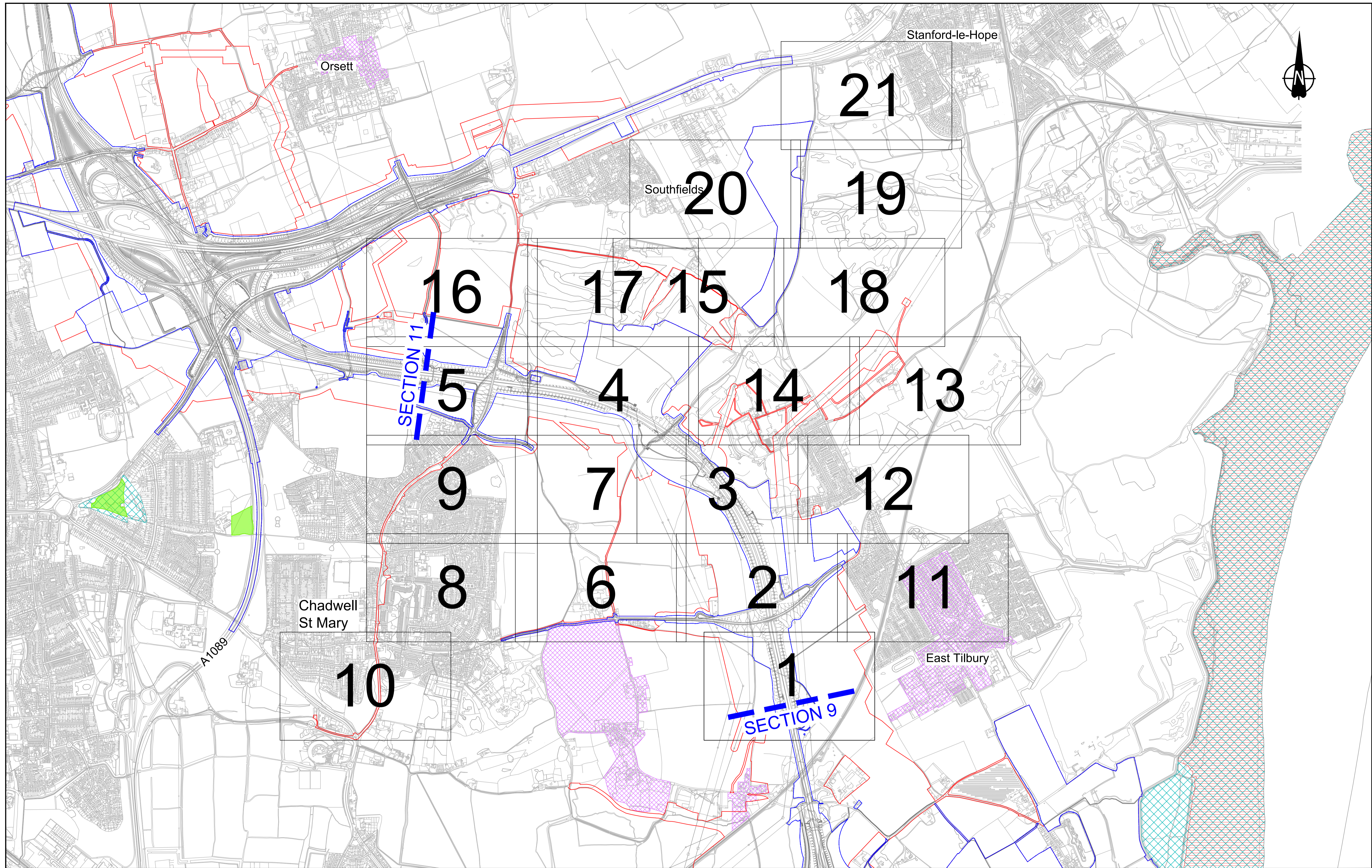
Application Document Number: TR010032/APP/6.2

Drawing title: ENVIRONMENTAL MASTERPLAN LEGEND

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

Original Size: A1	Revision: P01.6
Scale	

## 1.5 Section 10



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0 50 100 150 200 250 300 350 400 450 500  
 METRES

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

P01.6 50 08/08/2022 LD

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

**LEGEND**

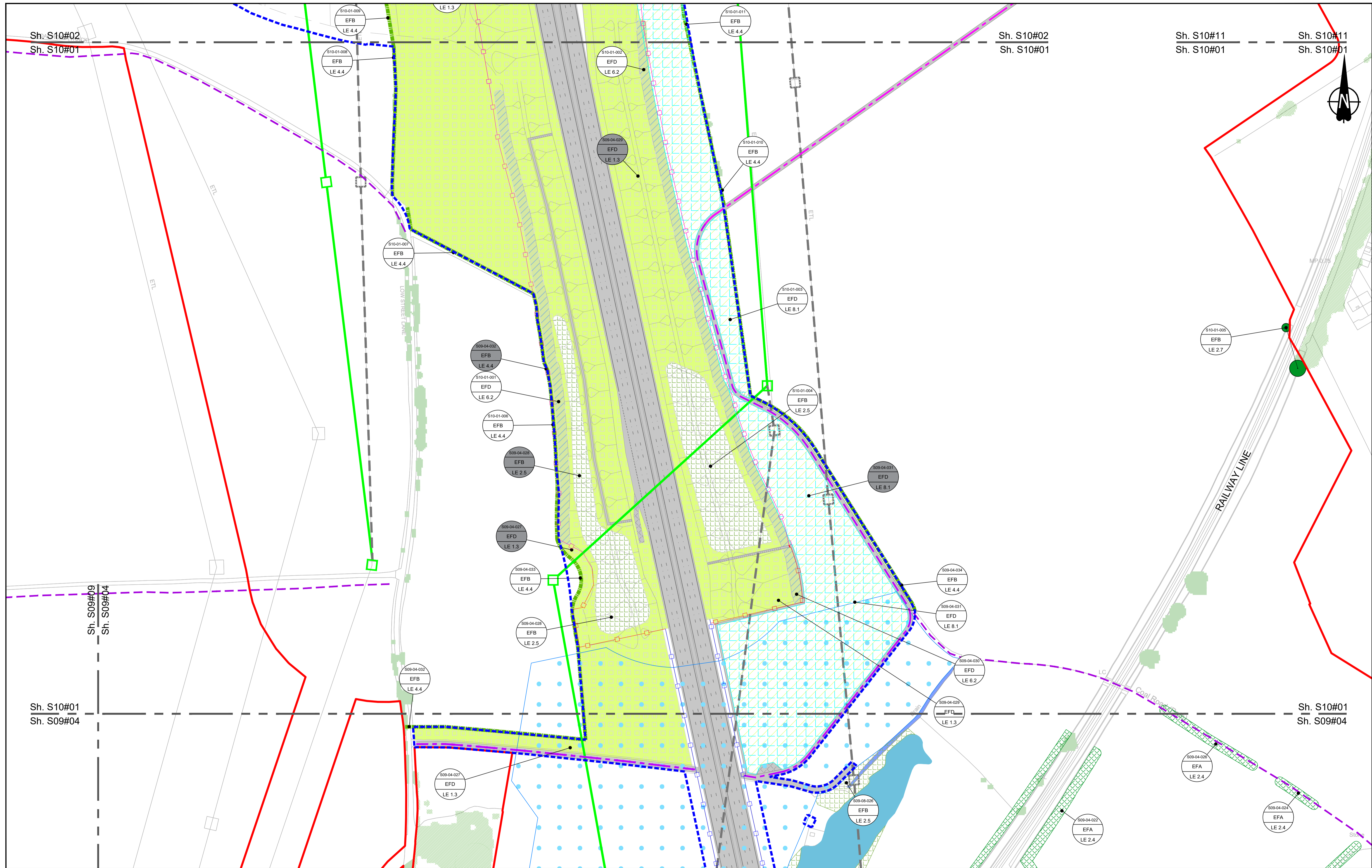
Order Limits	Registered Parks and Gardens
Permanent Acquisition of Land	Ramsar Sites
Area of Outstanding National Beauty (AONB)	Ancient Woodland
Site of Special Scientific Interest (SSSI)	Conservation Area

Client

Project

**LOWER THAMES CROSSING**

Status	Initial Status or WIP	Original Size	A1	Revision	P01.6
Application Document Number	TR010032/APP/6.2	Scale	AS SHOWN		
Drawing title	<b>ENVIRONMENTAL MASTERPLAN OVERVIEW PLAN SECTION 10</b>				
Drawing Number	HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ-00001				



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

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

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

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

<b>Order Limits</b> Permanent Acquisition of Land <b>Grassland (LE 1)</b> LE 1.3 Species Rich Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual Wildflower Grassland LE 1.4 Rock and Scree	<b>Planting (LE 2)</b> LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species LE 2.14 Wet / Carr Woodland LE 2.2 Woodland Edge LE 2.22 Scrub Woodland LE 2.4 Linear Belt of Shrubs and Trees	<b>Individual Trees (LE 6)</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	<b>Ecological Habitats (LE 8)</b> LE 8.1 Open Mosaic Habitat LE 8.2 Ancient Woodland Compensation Planting LE 8.3 Woodland Mitigation Planting LE 8.4 Wetland / Fenland Creation LE 8.5 Ecology Pond (indicative symbol only) LE 8.6 Acid Grassland Soil Salvage	<b>Ecological (E 1)</b> E 1.2 Acoustic Barrier-Built Elements (typically inc highway boundary fence) <b>Water (E 2)</b> E 2.1 Flood Compensation Areas (E 2-FCA) E 2.2 Flood Defence (E 2-FD)	<b>Ecological (E 3)</b> E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species E 3.2 Dormouse Boxes E 3.2 Bat Boxes E 3.2 Ecological Culvert E 3.2 Bat Barn Block	<b>Hard Landscape Features (LE 7)</b> LE 7.4 Reinforced Earth Band <b>Earthworks</b> Proposed Contours	<b>Other Features</b> LE 2.5 Shrubs With Intermittent Trees LE 2.7 Scattered Trees LE 2.8 Scrub / Scattered Scrub LE 4.3 Native Species Hedge (untrimmed) LE 4.4 Native Hedgerow With Trees LE 6.4 Wet Grassland LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.6 Acid Grassland	<b>Other Features</b> E 3.2 Barn Owl Box E 3.2 Ecological Fencing (inc highway boundary fence)
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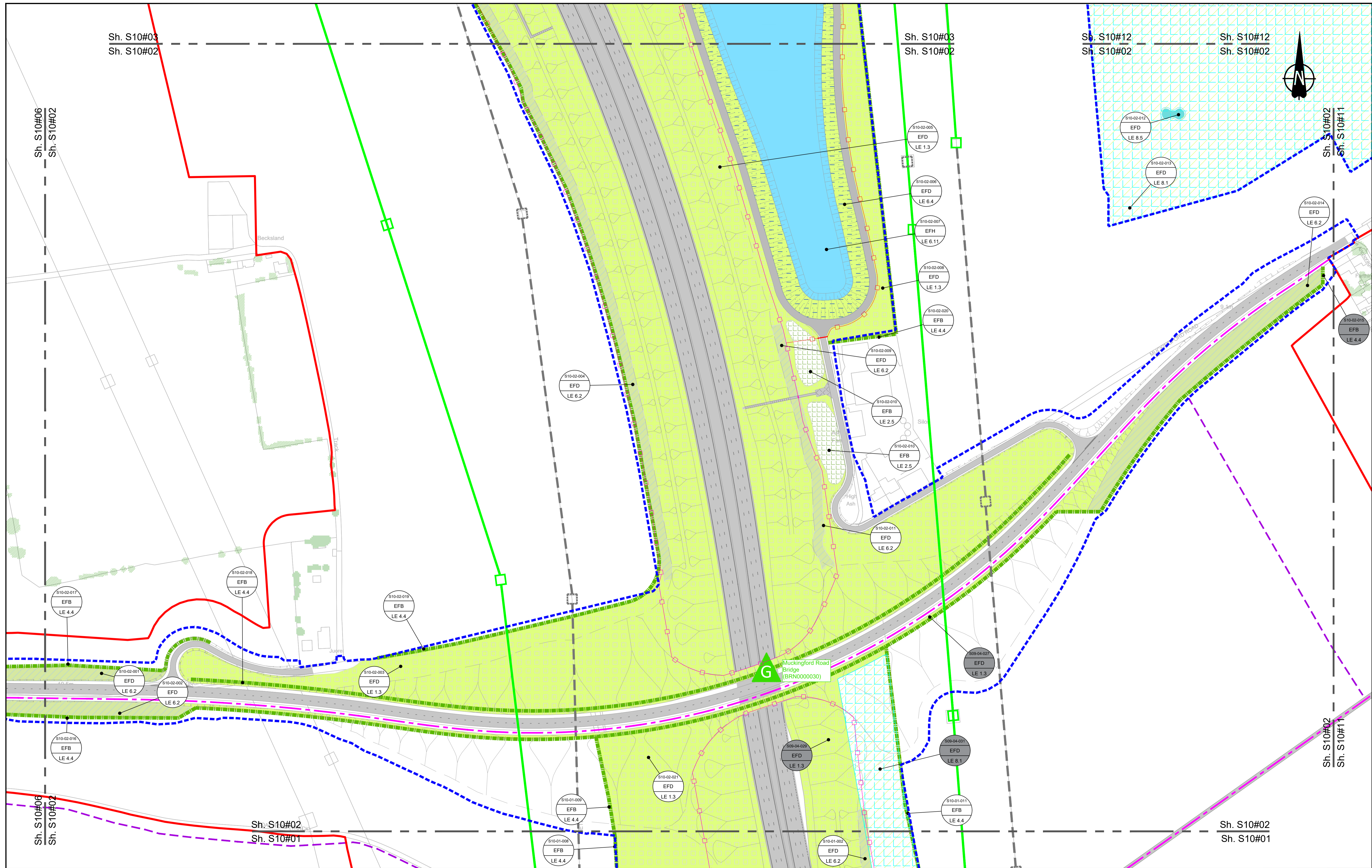
Client: national highways

Project: LOWER THAMES CROSSING

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.6
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 10 SHEET 1		
Drawing Number	HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ-00002		

Scale: 1:1250

HE540039-CJV-EGN-S10\_EN000000\_Z-DR-ZZ-00002.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 50 08/08/2022 LD

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

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

Grassland (LE 1)	Planting (LE 2)	Individual Trees (LE 5)	Wetland Habitats (LE 6)	Hard Landscape Features (LE 7)	Earthworks
LE 1.3 Species Rich Grassland	LE 2.1 Woodland	LE 5.1 Individual Trees	LE 6.1 Water Bodies - Standing Water	LE 7.4 Reinforced Earth Band	Proposed Contours
LE 1.31 Species Rich Chalk Grassland	LE 2.11 Woodland With Non-Native Species	LE 5.2 Scattered Trees	LE 6.11 Wetland - Coastal Grazing Marsh	LE 7.4.1 Reinforced Earth Band	High Tide Root Features
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.14 Wet / Carr Woodland	LE 5.3 Hedgerow	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape		
LE 1.4 Rock and Scree	LE 2.2 Woodland Edge	LE 5.4 Native Species Hedge (untrimmed)	LE 6.2 Banks and Ditches		
	LE 2.22 Scrub Woodland	LE 5.4.1 Native Hedgerow With Trees			
	LE 2.4 Linear Belt of Shrubs and Trees				

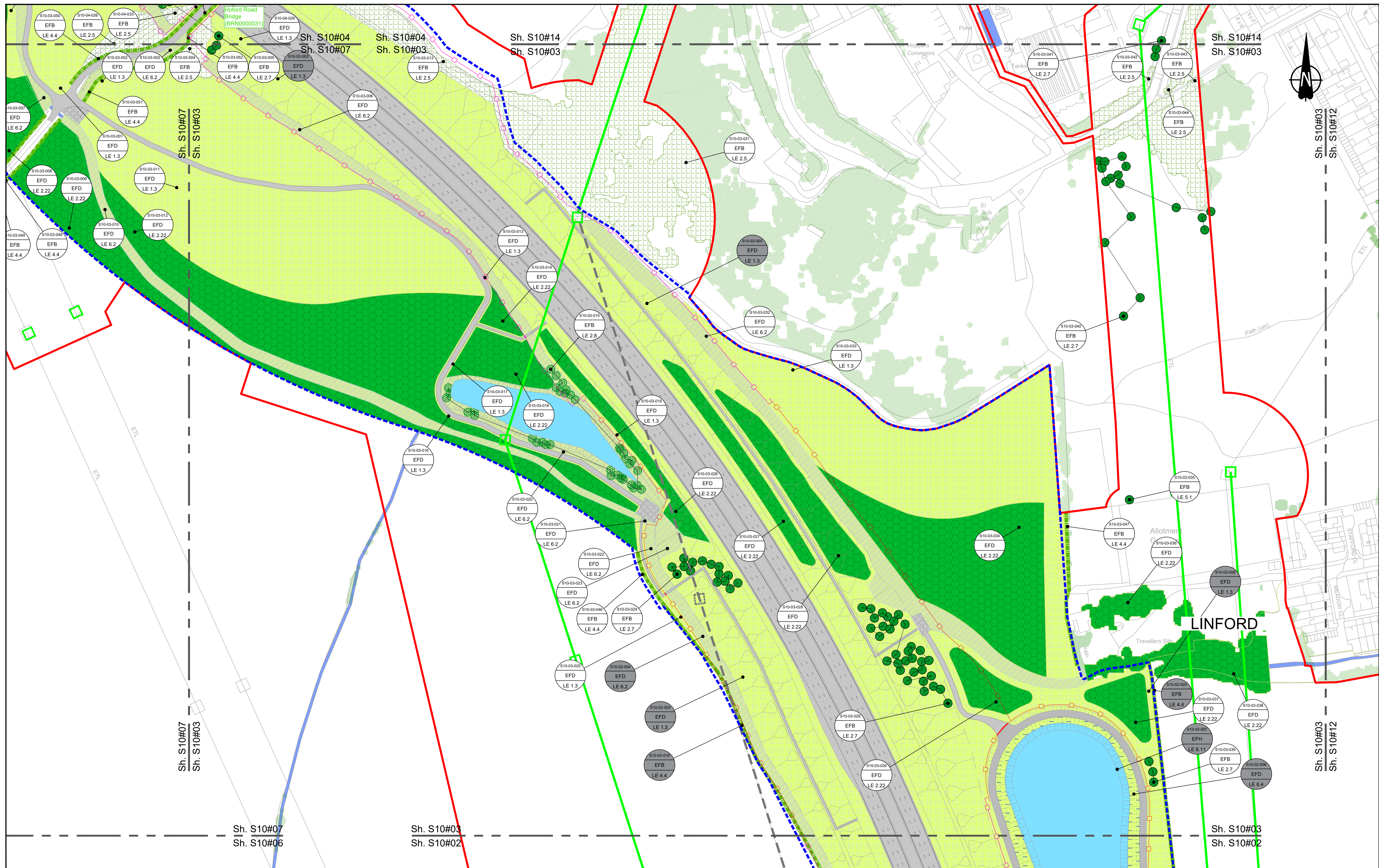
Ecological Habitats (LE 8)	Noise (E 1)	Water (E 2)	Ecological (E 3)
LE 8.1 Open Mosaic Habitat	E 1.2 Acoustic Barrier-Built Elements (typically inc. Highway boundary fence)	E 2.1 Flood Compensation Areas (E 2-FCA)	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
LE 8.2 Ancient Woodland Compensation Planting	E 1.2.1 Acoustic Barrier-Built Elements (typically inc. Highway boundary fence)	E 2.2 Flood Compensation Areas (E 2-FD)	E 3.2.1 Ecological Culvert
LE 8.3 Woodland Mitigation Planting			E 3.2.2 Ecological Fencing (inc. highway boundary fence)
LE 8.4 Wetland / Farmland Creation			E 3.2.3 Ecological Fencing (inc. highway boundary fence)
LE 8.5 Ecology Pond (indicative symbol only)			E 3.2.4 Ecological Fencing (inc. highway boundary fence)
LE 8.6 Acid Grassland Soil Salvage			

Ecological (E 3)	Other Features
E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species	E 3.2.1 Ecological Culvert
E 3.2.1 Ecological Culvert	E 3.2.2 Ecological Fencing (inc. highway boundary fence)
E 3.2.2 Ecological Fencing (inc. highway boundary fence)	E 3.2.3 Ecological Fencing (inc. highway boundary fence)
E 3.2.3 Ecological Fencing (inc. highway boundary fence)	E 3.2.4 Ecological Fencing (inc. highway boundary fence)

Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	Initial Status or WIP	Original Size	Revision
		A1	P01.6
Application Document Number	TR010032/APP/6.2	Scale	1:1250
Drawing title	<b>ENVIRONMENTAL MASTERPLAN SECTION 10 SHEET 2</b>		
Drawing Number	HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ-00003		



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

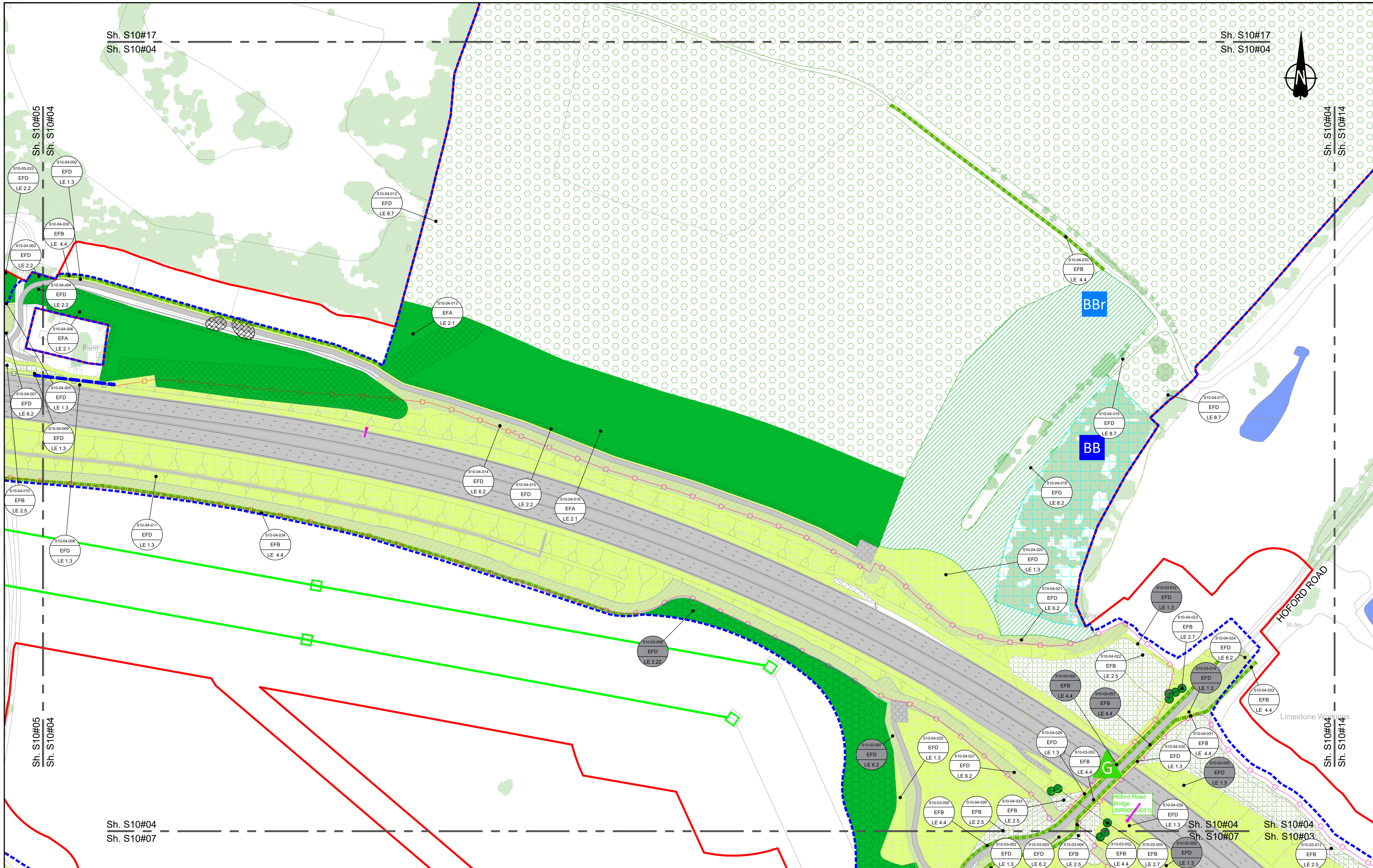
<p><b>Order Limits</b></p> <ul style="list-style-type: none"> <li>Order Limits</li> <li>Permanent Acquisition of Land</li> </ul> <p><b>Grassland (LE 1)</b></p> <ul style="list-style-type: none"> <li>LE 1.3 Species Rich Chalk Grassland</li> <li>LE 1.31 Species Rich Chalk Grassland</li> <li>LE 1.32 Species Rich Annual Wildflower Grassland</li> <li>LE 1.4 Rock and Scree</li> </ul>	<p><b>Planting (LE 2)</b></p> <ul style="list-style-type: none"> <li>LE 2.1 Woodland</li> <li>LE 2.11 Woodland With Non-Native Species</li> <li>LE 2.14 Wet / Carr Woodland</li> <li>LE 2.2 Woodland Edge</li> <li>LE 2.22 Scrub Woodland</li> <li>LE 2.4 Linear Belt of Shrubs and Trees</li> </ul> <p><b>Hedges (LE 4)</b></p> <ul style="list-style-type: none"> <li>LE 4.3 Native Species Hedge (untrimmed)</li> <li>LE 4.4 Native Hedgerow With Trees</li> </ul>	<p><b>Individual Trees (LE 5)</b></p> <ul style="list-style-type: none"> <li>LE 5.1 Individual Trees</li> </ul> <p><b>Wetland Habitats (LE 6)</b></p> <ul style="list-style-type: none"> <li>LE 6.11 Water Bodies - Standing Water</li> <li>LE 6.12 Water Bodies and Associated Plants - Shallow Scrape</li> <li>LE 6.2 Banks and Ditches</li> <li>LE 6.21 Banks and Ditches - High Tide Root Features</li> </ul>	<p><b>Wetland 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>Hard Landscape Features (LE 7)</b></p> <ul style="list-style-type: none"> <li>LE 6.4 Wet Grassland</li> <li>LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh</li> <li>LE 7.4 Reinforced Earth Band</li> </ul> <p><b>Earthworks</b></p> <ul style="list-style-type: none"> <li>Proposed Contours</li> </ul>	<p><b>Ecological (E 3)</b></p> <ul style="list-style-type: none"> <li>E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species</li> <li>E 3.2 Dormouse Boxes</li> <li>E 3.2 Bat Boxes</li> <li>E 3.2 Ecological Culvert</li> <li>E 3.2 Bat Barn Block</li> <li>E 3.2 Ecological Fencing (inc. highway boundary fence)</li> <li>E 3.2 Barn Owl Box</li> </ul>	<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> <li>LE 8.7 Nitrogen Deposition (NDEP) Compensation Area</li> </ul>
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Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.6
Scale	1:1250		
Drawing title	<b>ENVIRONMENTAL MASTERPLAN SECTION 10 SHEET 3</b>		
Drawing Number	HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ-00004		

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

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

P01	S2	25/10/2022	DCO Application	SA	PS	MH
P02	S9	19/07/2023	Deadline 2	LD	SK	BF

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'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	Planting (LE 2) LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species LE 2.14 Wet / Carr Woodland LE 2.2 Woodland Edge LE 2.22 Scrub Woodland LE 2.4 Linear Belt of Shrubs and Trees	Individual Trees (LE 5) LE 5.1 Individual Trees	Wetland Habitats (LE 6) LE 6.11 Water Bodies - Standing Water LE 6.12 Water Bodies and Associated Plants - Shallow Scapes LE 6.2 Banks and Ditches LE 6.21 Banks and Ditches - High Tide Roost Features	Ecological Habitats (LE 8) LE 8.1 Open Mosaic Habitat LE 8.2 Ancient Woodland Compensation Planting LE 8.3 Woodland Mitigation Planting LE 8.4 Wetland / Fenland Creation LE 8.5 Ecology Pond (indicative symbol only) LE 8.6 Acid Grassland Soil Salvage	Noise (E 1) LE 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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**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

**Hedges (LE 4)**  
LE 4.3 Native Species Hedge (untrimm'd)  
LE 4.4 Native Hedgerow With Trees

**Hard Landscape Features (LE 7)**  
LE 7.4 Reinforced Earth Bund

**Earthworks**  
Proposed Contours

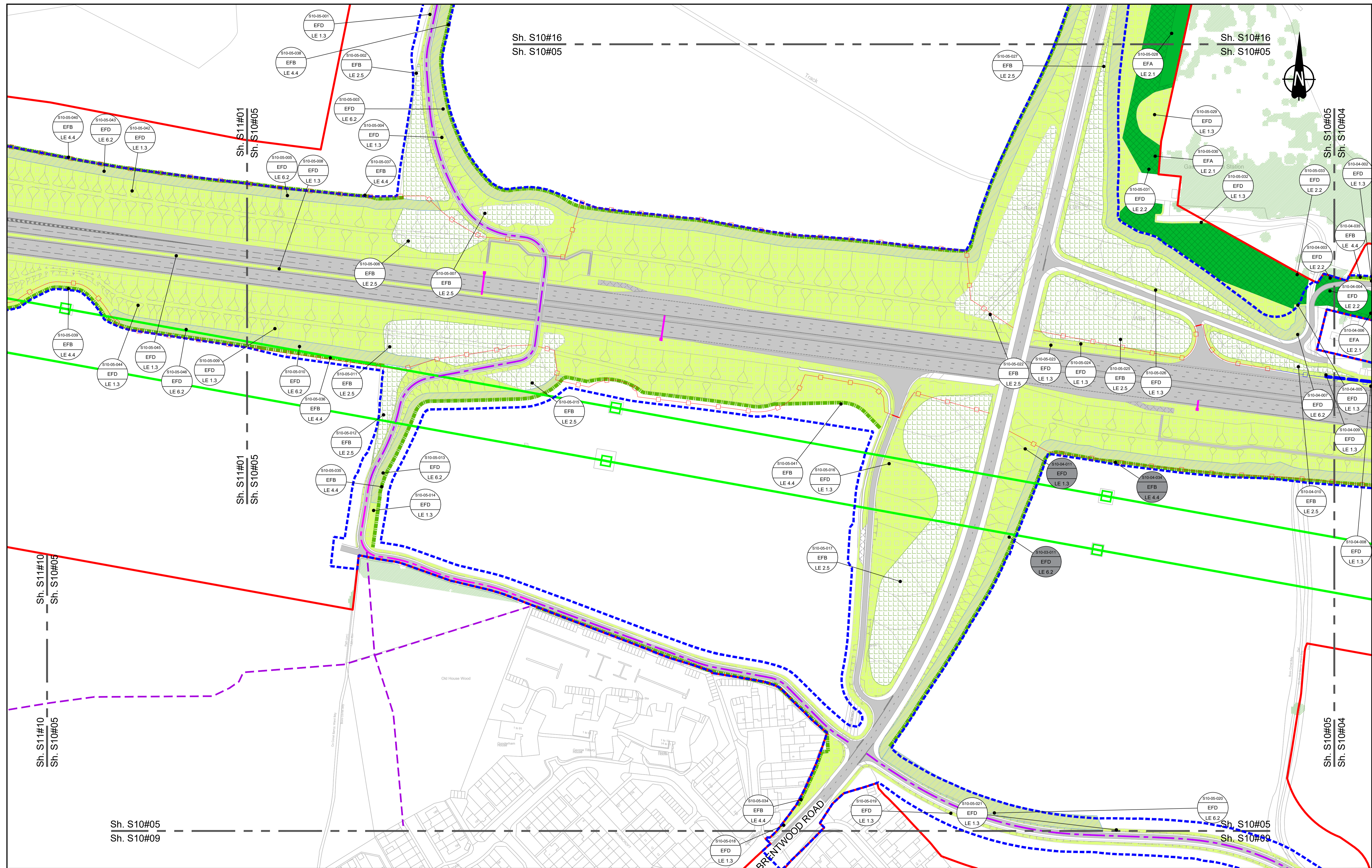
**national highways**

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 10 SHEET 4				
Drawing Number	HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ-00005				

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

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

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

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

<b>Order Limits</b> Permanent Acquisition of Land	<b>Planting (LE 2)</b> LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species LE 2.14 Wet / Carr Woodland LE 2.2 Woodland Edge LE 2.22 Scrub Woodland LE 2.4 Linear Belt of Shrubs and Trees	<b>Individual Trees (LE 5)</b> LE 5.1 Individual Trees <b>Wetland Habitats (LE 6)</b> LE 6.11 Water Bodies - Standing Water LE 6.12 Water Bodies and Associated Plants LE 6.2 Banks and Ditches LE 6.21 Banks and Ditches - High Tide Roost Features	<b>Ecological Habitats (LE 8)</b> LE 8.1 Open Mosaic Habitat LE 8.2 Ancient Woodland Compensation Planting LE 8.3 Woodland Mitigation Planting LE 8.4 Wetland / Fenland Creation LE 8.5 Ecology Pond (indicative symbol only) LE 8.6 Acid Grassland Soil Salvage	<b>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)
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**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

**Hedges (LE 4)**  
LE 4.3 Native Species Hedge (untimmed)  
LE 4.4 Native Hedgerow With Trees

**Hard Landscape Features (LE 7)**  
LE 7.4 Reinforced Earth Bund

**Earthworks**  
Proposed Contours

Client: **national highways**

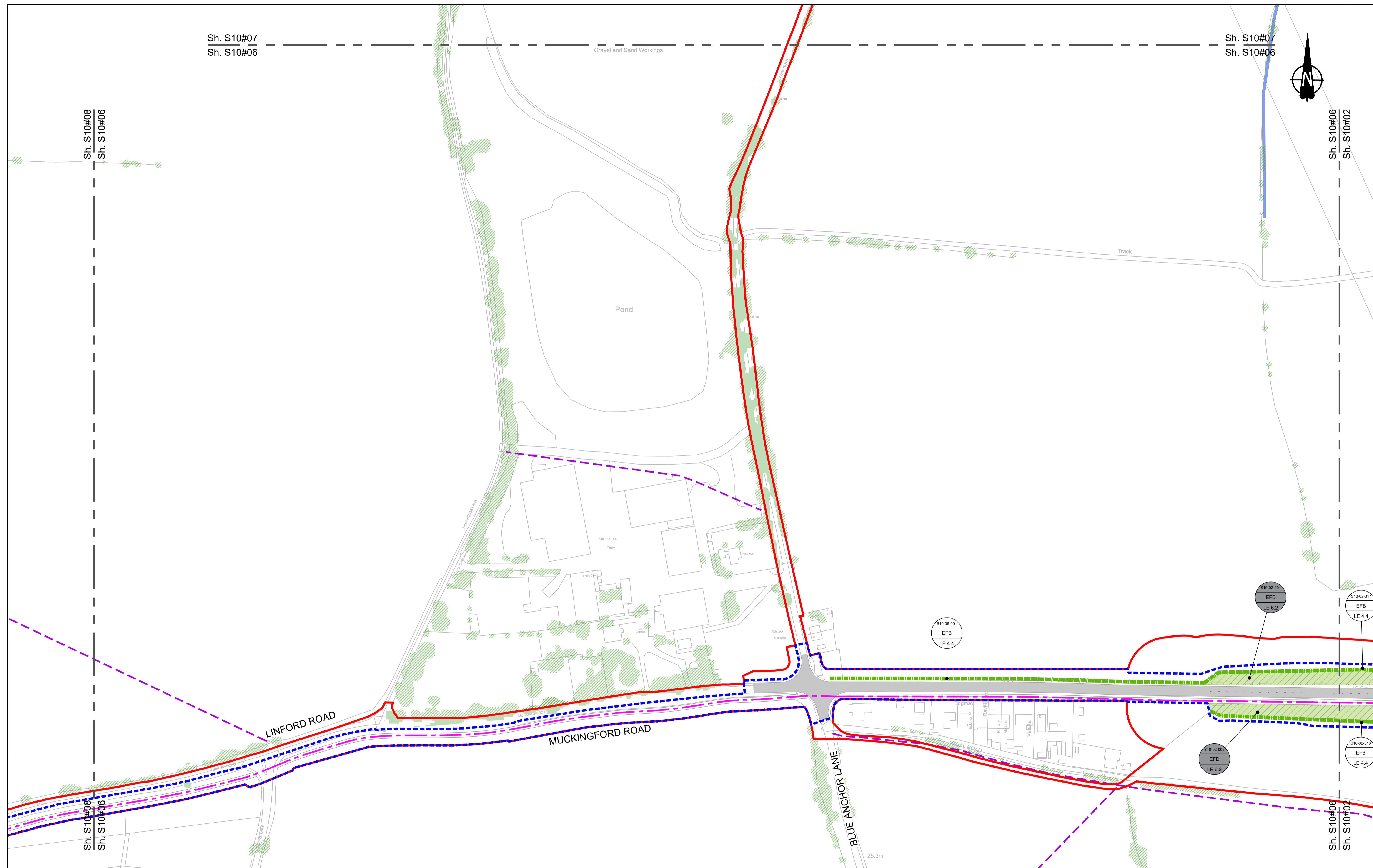
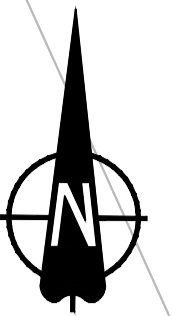
Project: **LOWER THAMES CROSSING**

Status	PINS Submission	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:1250		
Drawing Title	<b>ENVIRONMENTAL MASTERPLAN SECTION 10 SHEET 5</b>				
Drawing Number	HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ-00006				

HE540039-CJV-EGN-S10\_EN000000\_Z-DR-ZZ-00006.dwg

Sh. S10#07  
Sh. S10#06

Sh. S10#07  
Sh. S10#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.

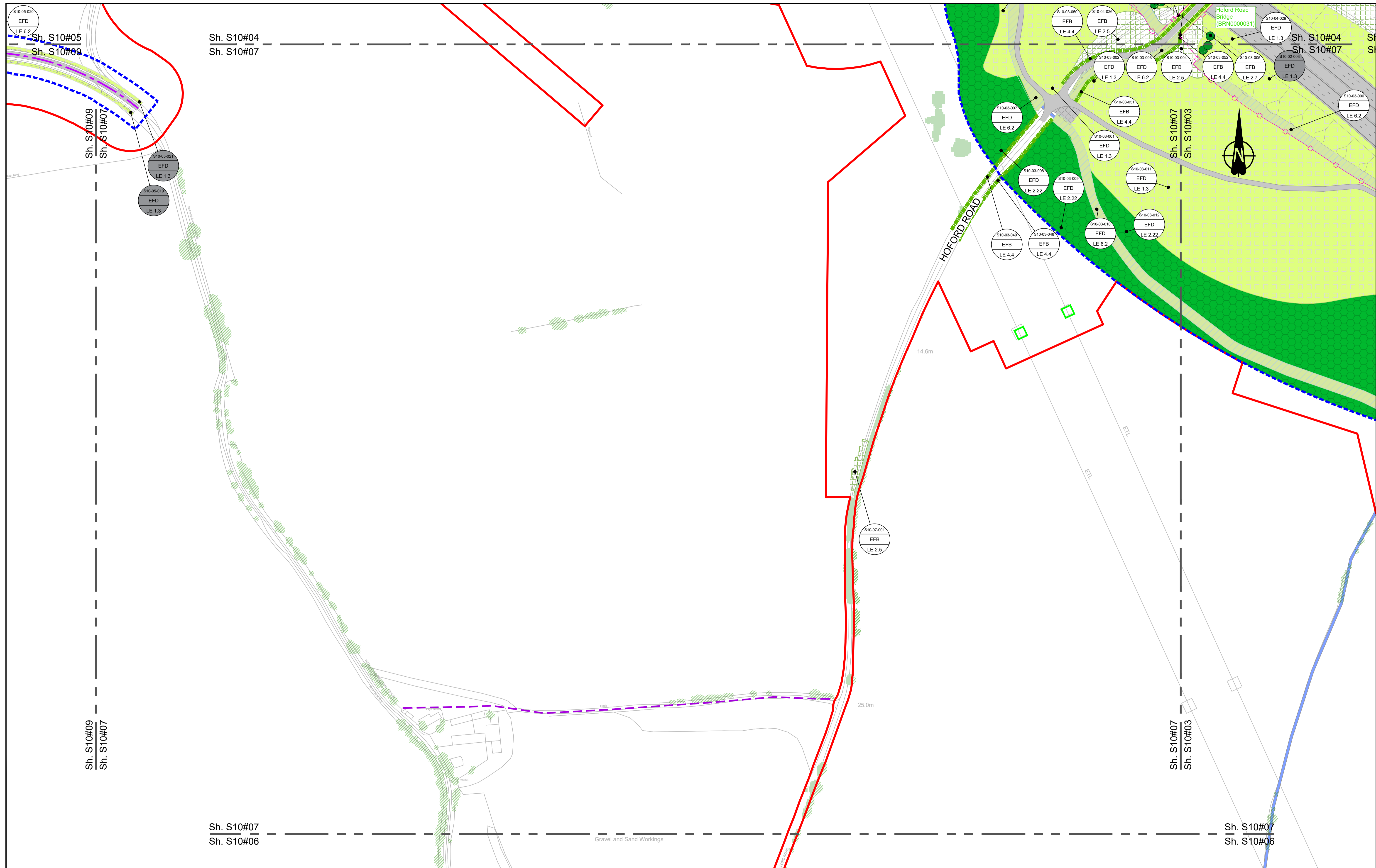
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P01.6	SO	08/08/2022				LD

<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 Barks and Ditches</p> <p>LE 6.21 Barks and Ditches - High Tide Roost Features</p>	<p>LE 6.4 Wet Grassland</p> <p>LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh</p> <p><b>Hard Landscape Features (LE 7)</b></p> <p>LE 7.4 Reinforced Earth Bund</p> <p><b>Earthworks</b></p> <p>Proposed Contours</p>	<p><b>Ecological Habitats (LE 8)</b></p> <p>LE 8.1 Open Mosaic Habitat</p> <p>LE 8.2 Ancient Woodland Compensation Planting</p> <p>LE 8.3 Woodland Mitigation Planting</p> <p>LE 8.4 Wetland / 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 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: A1	Revision: P01.6
Application Document Number: TR010032/APP/6.2	Scale: 1:1250	
Drawing title: ENVIRONMENTAL MASTERPLAN SECTION 10 SHEET 6		
Drawing Number: HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ-00007		



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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

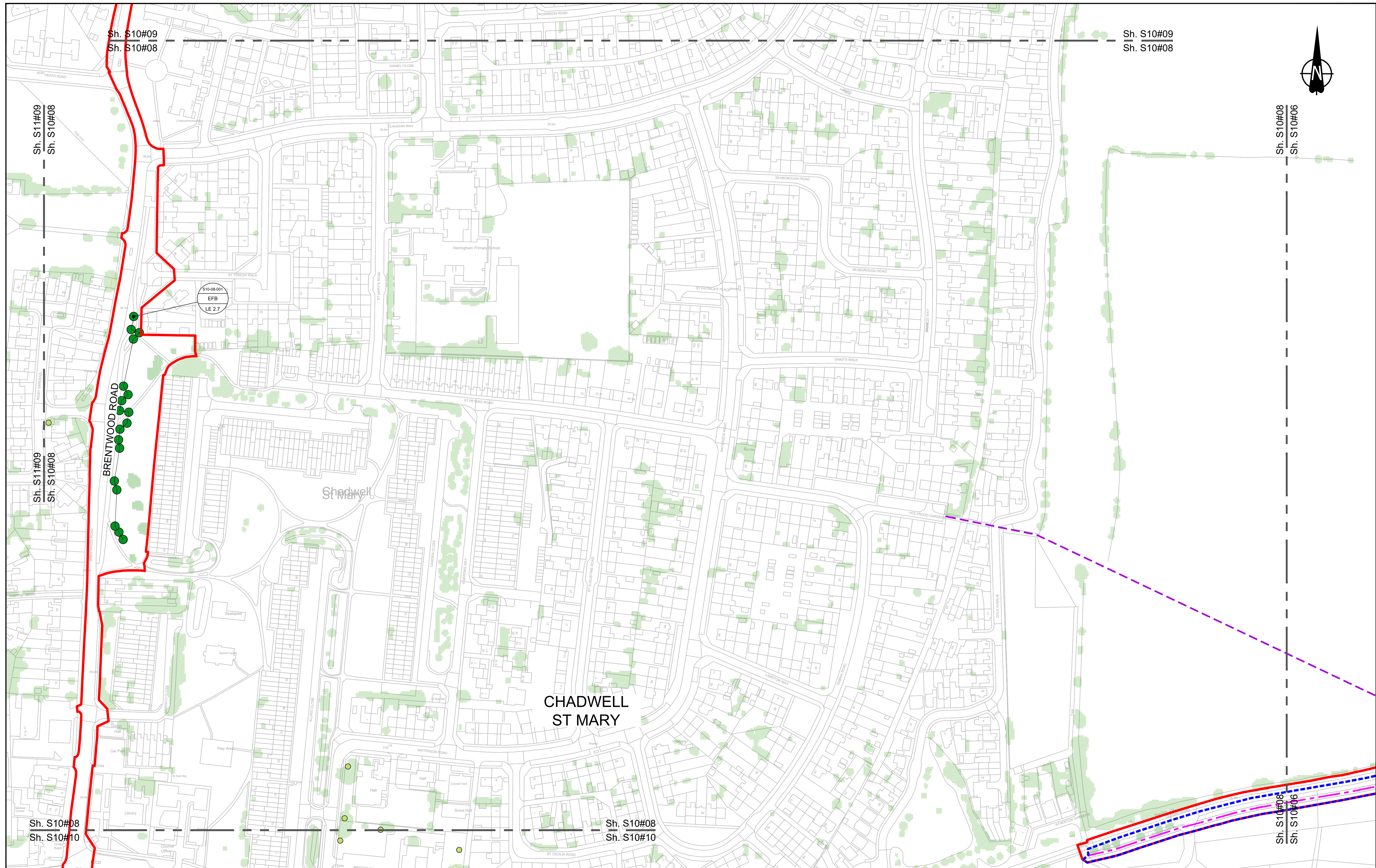
**Environmental Mitigation Legend:** Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ\_EN000000\_Z-DR-ZZ-00001).

Order Limits	Grassland (LE 1)	Planting (LE 2)	Individual Trees (LE 5)	Ecological Habitats (LE 8)	Noise (E 1)	Water (E 2)	Ecological (E 3)
Order Limits	LE 1.3 Species Rich Grassland	LE 2.1 Woodland	LE 5.1 Individual Trees	LE 8.1 Open Mosaic Habitat	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	LE 2.1 Woodland	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
Permanent Acquisition of Land	LE 1.31 Species Rich Chalk Grassland	LE 2.11 Woodland With Non-Native Species	LE 5.2 Shrubs With Intermittent Trees	LE 8.2 Ancient Woodland Compensation Planting	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	LE 2.14 Wet / Carr Woodland	E 3.2 Dormouse Boxes
Grassland (LE 1)	LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.2 Woodland Edge	LE 5.3 Scattered Trees	LE 8.3 Woodland Mitigation Planting	E 2.1 Flood Compensation Areas (E 2-FCA)	LE 2.2 Woodland Edge	E 3.2 Bat Boxes
LE 1.4 Rock and Scree	LE 1.4 Rock and Scree	LE 2.22 Scrub Woodland	LE 5.4 Wetland Habitats (LE 6)	LE 8.4 Wetland / Farmland Creation	Flood Defence (E 2-FD)	LE 2.22 Scrub Woodland	E 3.2 Ecological Culvert
		LE 2.4 Linear Belt of Shrubs and Trees	LE 6.1 Water Bodies - Standing Water	LE 8.5 Ecology Pond (indicative symbol only)		LE 2.4 Linear Belt of Shrubs and Trees	E 3.2 Bat Barn Block
			LE 6.2 Water Bodies and Associated Plants - Shallow Scrape	LE 8.6 Acid Grassland Soil Salvage			
			LE 6.2 Banks and Ditches				
			LE 6.21 Banks and Ditches - High Tide Roost Features				
			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: P01.6
Application Document Number: TR010032/APP/6.2	Scale: 1:1250	
Drawing title: <b>ENVIRONMENTAL MASTERPLAN SECTION 10 SHEET 7</b>		
Drawing Number: HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ-00008		



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

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

P01.6 50 27/05/2022

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

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

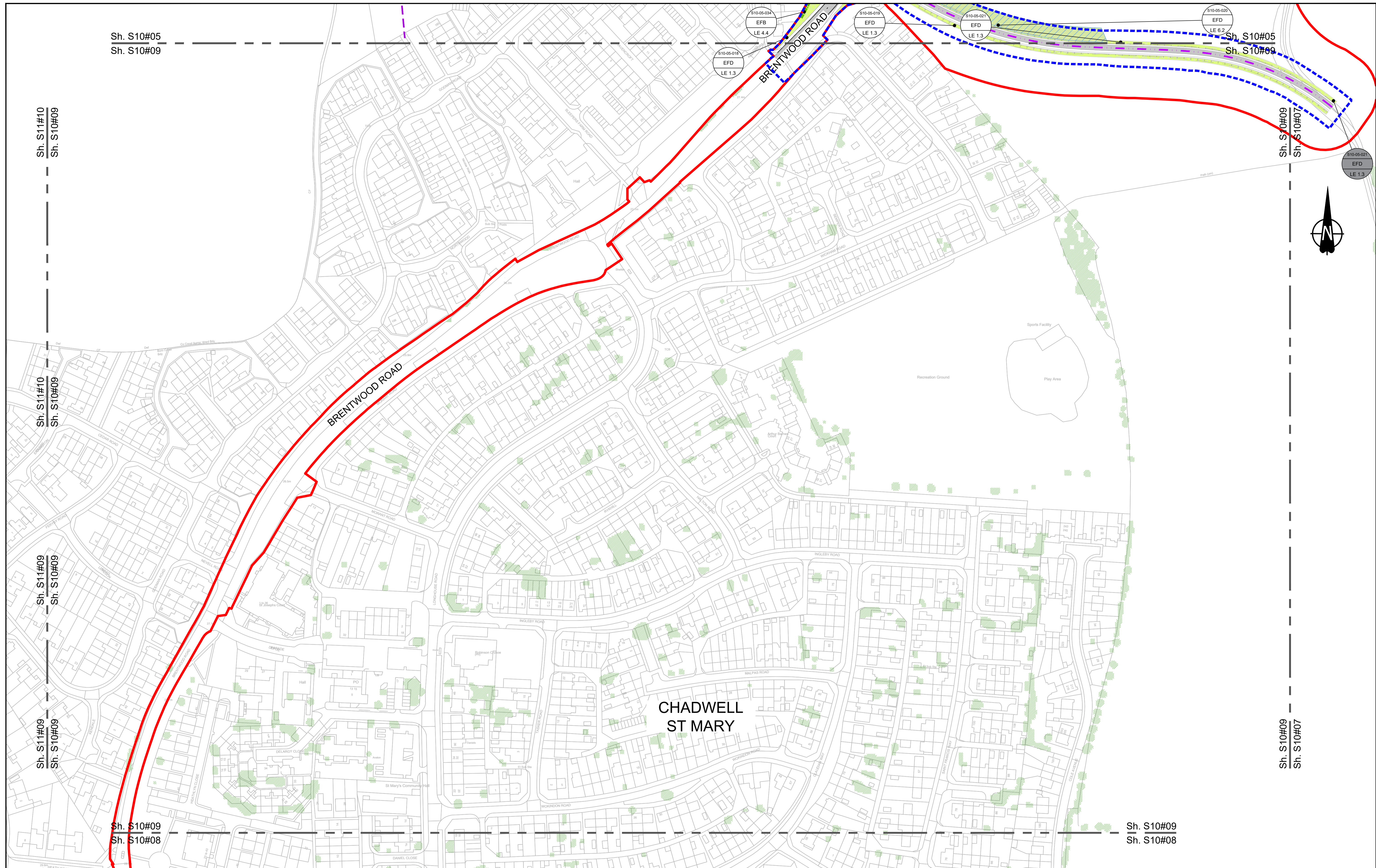
Order Limits	Planting (LE 2)	Individual Trees (LE 5)	Ecological Habitats (LE 8)	Ecological (E 3)
<ul style="list-style-type: none"> <li>Order Limits</li> <li>Permanent Acquisition of Land</li> </ul>	<ul style="list-style-type: none"> <li>LE 2.1 Woodland</li> <li>LE 2.11 Woodland With Non-Native Species</li> <li>LE 2.14 Wet / Carr Woodland</li> <li>LE 2.2 Woodland Edge</li> <li>LE 2.22 Scrub Woodland</li> <li>LE 2.4 Linear Belt of Shrubs and Trees</li> </ul>	<ul style="list-style-type: none"> <li>LE 5.1 Individual Trees</li> <li>LE 5.2 Scattered Trees</li> <li>Wetland Habitats (LE 6)</li> <li>LE 6.1 Water Bodies - Standing Water</li> <li>LE 6.12 Water Bodies and Associated Plants - Shallow Scrape</li> <li>LE 6.2 Barks and Ditches</li> <li>LE 6.4 Native Species Hedge (untrimmed)</li> <li>LE 6.4 Native Hedgerow With Trees</li> </ul>	<ul style="list-style-type: none"> <li>LE 8.1 Wet Grassland</li> <li>LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh</li> <li>LE 8.1 Open Mosaic Habitat</li> <li>LE 8.2 Ancient Woodland Compensation Planting</li> <li>LE 8.3.3 Wetland 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>E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species</li> <li>E 3.2 Dormouse Boxes</li> <li>E 3.2 Bat Boxes</li> <li>E 3.2 Ecological Culvert</li> <li>E 3.2 Bat Barn Block</li> </ul>
<ul style="list-style-type: none"> <li>Grassland (LE 1)</li> <li>LE 1.3 Species Rich Grassland</li> <li>LE 1.31 Species Rich Chalk Grassland</li> <li>LE 1.32 Species Rich Annual Wildflower Grassland</li> <li>LE 1.4 Rock and Scree</li> </ul>	<ul style="list-style-type: none"> <li>LE 2.5 Shrubs With Intermittent Trees</li> <li>LE 2.7 Scattered Trees</li> <li>Hedges (LE 4)</li> <li>LE 4.3 Native Species Hedge (untrimmed)</li> <li>LE 4.4 Native Hedgerow With Trees</li> </ul>	<ul style="list-style-type: none"> <li>Hard Landscape Features (LE 7)</li> <li>LE 7.4 Reinforced Earth Band</li> <li>Earthworks</li> <li>Proposed Contours</li> </ul>	<ul style="list-style-type: none"> <li>LE 8.7 Nitrogen Deposition (NDEP) Compensation Area</li> <li>LE 8.11 Water Bodies - Coastal Grazing Marsh</li> <li>LE 8.12 Water Bodies and Associated Plants - Shallow Scrape</li> <li>LE 8.2 Barks and Ditches</li> <li>LE 8.21 Banks and Ditches - High Tide Root Features</li> </ul>	<ul style="list-style-type: none"> <li>Noise (E 1)</li> <li>E 1.2 Acoustic Barrier - Built Elements (typically inc. highway boundary fence)</li> <li>Water (E 2)</li> <li>Flood Compensation Areas (E 2-FCA)</li> <li>Flood Defence (E 2-FD)</li> <li>E 3.2 Ecological Fencing (inc. highway boundary fence)</li> <li>E 3.2 Barn Owl Box</li> <li>E 3.2 Ecological Fencing (inc. highway boundary fence)</li> </ul>

Client:

Project: LOWER THAMES CROSSING

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.6
Scale	1:1250		
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 10 SHEET 8		
Drawing Number	HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ-00009		

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Sh. S10#05  
Sh. S10#09

Sh. S10#05  
Sh. S10#09

Sh. S11#10  
Sh. S10#09

Sh. S10#09  
Sh. S10#07

Sh. S11#10  
Sh. S10#09

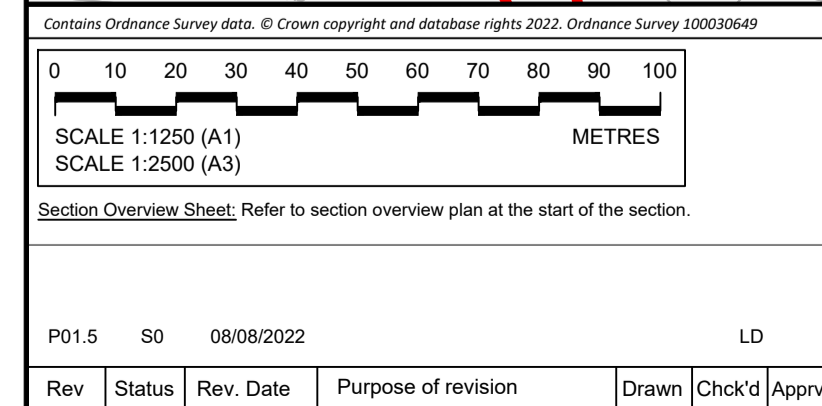
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Sh. S10#09  
Sh. S10#08

Sh. S10#09  
Sh. S10#08



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

Order Limits	<b>Planting (LE 2)</b>	LE 2.5 Shrubs With Intermittent Trees	<b>Individual Trees (LE 5)</b>
Permanent Acquisition of Land	LE 2.1 Woodland	LE 2.7 Scattered Trees	LE 5.1 Individual Trees
<b>Grassland (LE 1)</b>	LE 2.11 Woodland With Non-Native Species	LE 2.8 Scrub / Scattered Scrub	<b>Wetland Habitats (LE 6)</b>
LE 1.3 Species Rich Grassland	LE 2.14 Wet / Carr Woodland	<b>Hedges (LE 4)</b>	LE 6.1 Marsh and Wet Grassland - Coastal Grazing Marsh
LE 1.31 Species Rich Chalk Grassland	LE 2.2 Woodland Edge	LE 4.3 Native Species Hedge (untrimmed)	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.22 Scrub Woodland	LE 4.4 Native Hedgerow With Trees	LE 6.2 Banks and Ditches
LE 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 6.4 Wet Grassland	<b>Ecological Habitats (LE 8)</b>	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	<b>Ecological (E 3)</b>
LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 8.1 Open Mosaic Habitat	<b>Noise (E 1)</b>	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
<b>Hard Landscape Features (LE 7)</b>	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 7.4 Reinforced Earth Band	LE 8.3 Woodland Mitigation Planting	<b>Water (E 2)</b>	E 3.2 Bat Boxes
<b>Earthworks</b>	LE 8.4 Wetland / Farmland Creation	E 2.2 Flood Compensation Areas (E 2-FCA)	E 3.2 Ecological Culvert
Proposed Contours	LE 8.5 Ecology Pond (indicative symbol only)	E 2.5 Flood Defence (E 2-FD)	E 3.2 Bat Barn Block
LE 6.6 Acid Grassland Soil Salvage			E 3.2 Ecological Fencing (inc. highway boundary fence)

LE 8.6 Acid Grassland Soil Salvage	<b>Ecological (E 3)</b>	E 3.2 Ecological Fencing (inc. highway boundary fence)
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national highways

Project: LOWER THAMES CROSSING

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.5
Scale	1:1250		
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 10 SHEET 9		
Drawing Number	HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ-00010		



NO DESIGN INFORMATION ON THIS SHEET  
FOR ENVIRONMENTAL MASTERPLAN

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

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd
P01.5	SO	25/03/2022				

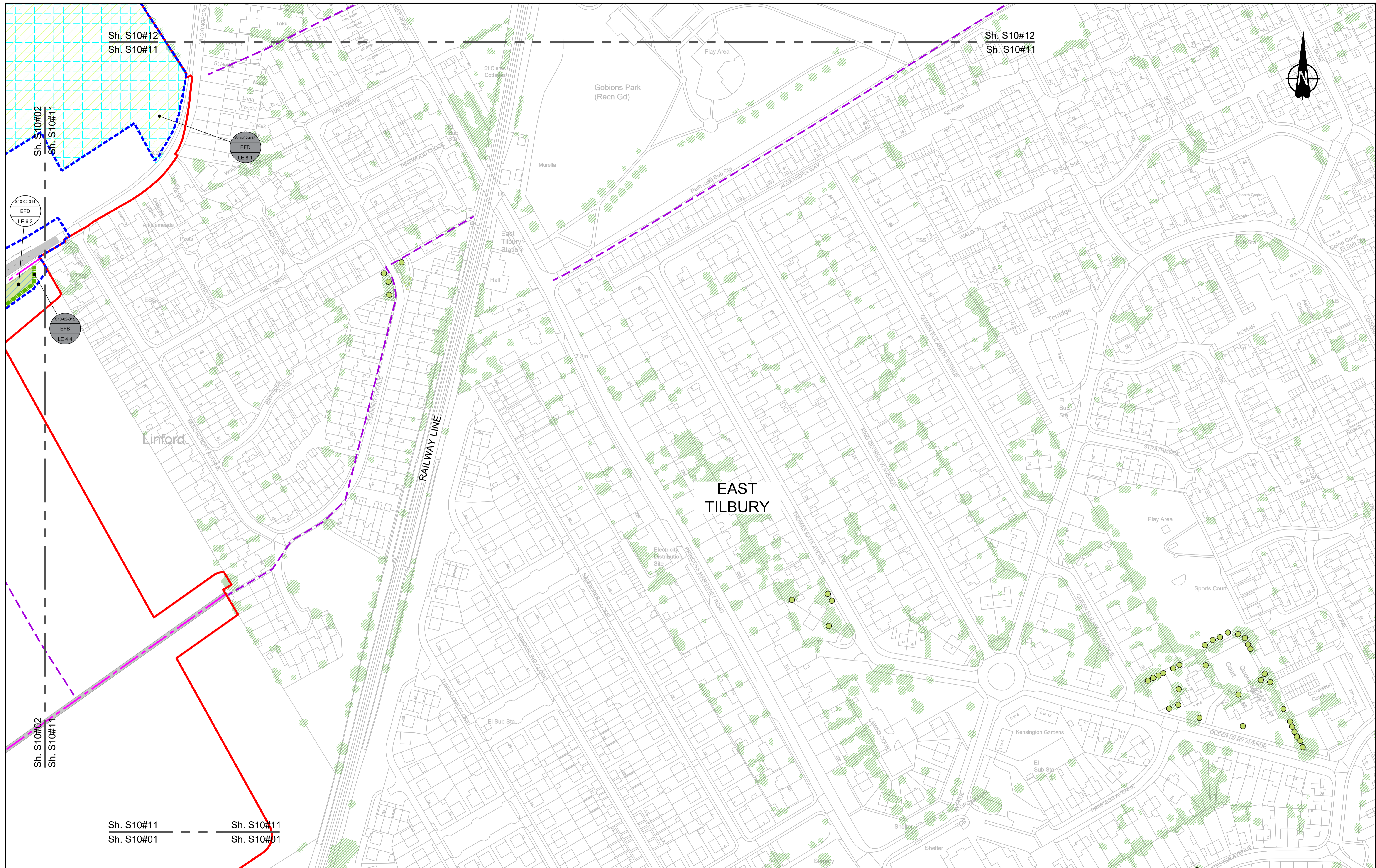
**Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ\_EN000000\_Z-DR-ZZ-00001).**

<b>Order Limits</b> Permanent Acquisition of Land	<b>Planting (LE 2)</b> LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species LE 2.14 Wet / Carr Woodland LE 2.2 Woodland Edge LE 2.22 Scrub Woodland LE 2.4 Linear Belt of Shrubs and Trees	LE 2.5 Shrubs With Intermittent Trees LE 2.7 Scattered Trees LE 2.8 Scrub / Scattered Scrub <b>Hedges (LE 4)</b> LE 4.3 Native Species Hedge (untrimmed) LE 4.4 Native Hedgerow With Trees	<b>Individual Trees (LE 5)</b> LE 5.1 Individual Trees <b>Wetland Habitats (LE 6)</b> LE 6.11 Water Bodies - Standing Water LE 6.12 Water Bodies and Associated Plants - Shallow Scrape LE 6.2 Banks and Ditches LE 6.21 Banks and Ditches - High Tide Root Features	LE 6.4 Wet Grassland LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh <b>Hard Landscape Features (LE 7)</b> LE 7.4 Reinforced Earth Band <b>Earthworks</b> Proposed Contours	<b>Ecological Habitats (LE 8)</b> LE 8.1 Open Mosaic Habitat LE 8.2 Ancient Woodland Compensation Planting LE 8.3 Woodland Mitigation Planting LE 8.4 Wetland / Farmland Creation Areas (E 2-FCA) 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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Client:

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 10 SHEET 10		
Drawing Number: HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ-00011		



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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	Chck'd	Apprv'd
P01.5	SO	27/05/2022				

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

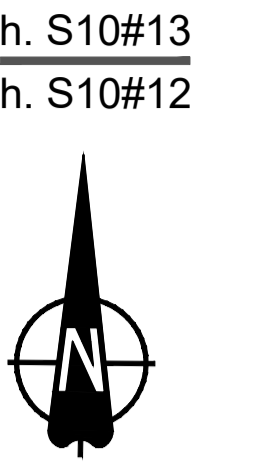
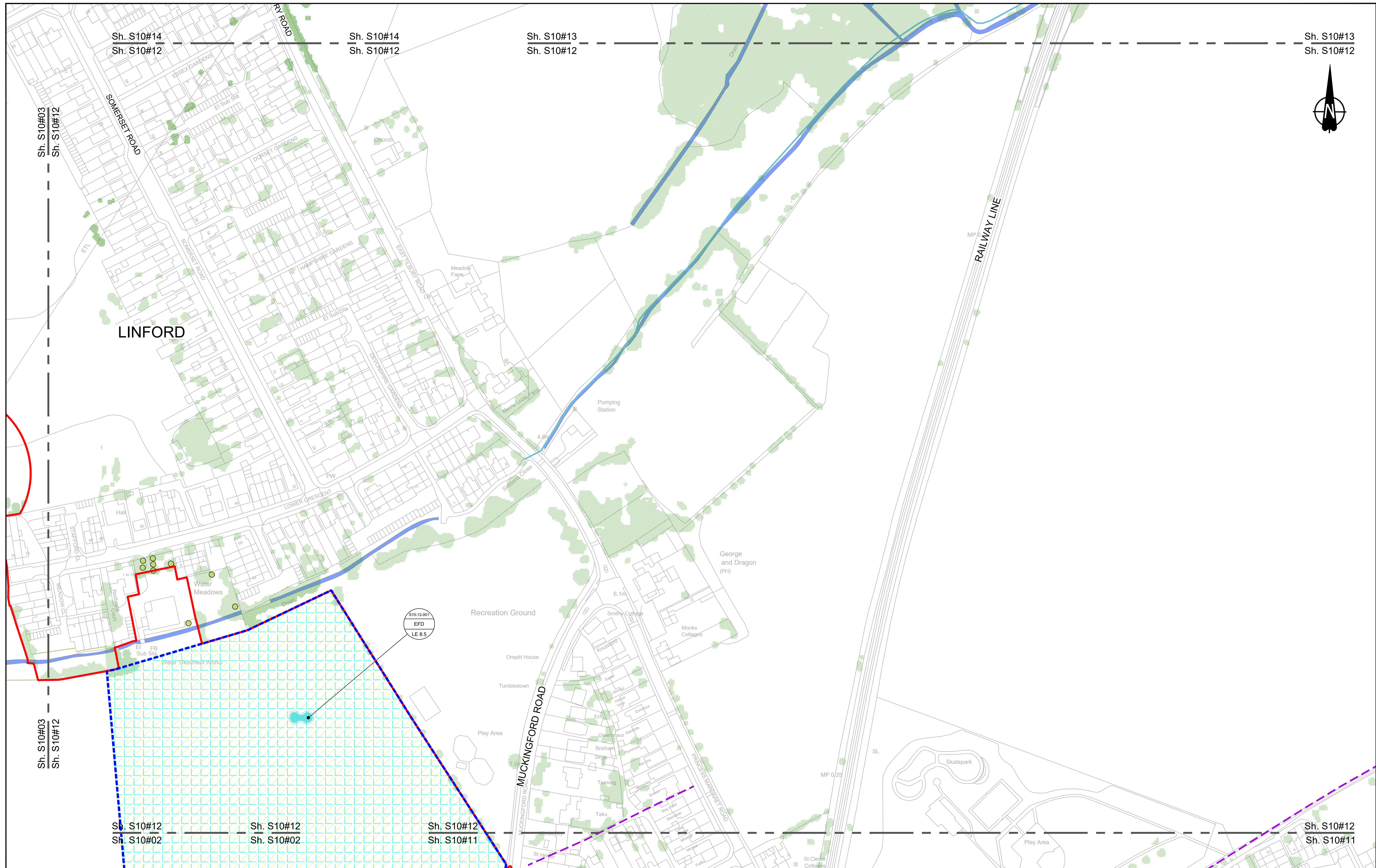
<p><b>Order Limits</b></p> <ul style="list-style-type: none"> <li>Permanent Acquisition of Land</li> </ul> <p><b>Grassland (LE 1)</b></p> <ul style="list-style-type: none"> <li>LE 1.3 Species Rich Grassland</li> <li>LE 1.31 Species Rich Chalk Grassland</li> <li>LE 1.32 Species Rich Annual Wildflower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

Project: LOWER THAMES CROSSING

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.5
Scale	1:1250		
Drawing Title	ENVIRONMENTAL MASTERPLAN SECTION 10 SHEET 11		
Drawing Number	HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ-00012		

HE540039-CJV-EGN-S10\_EN000000\_Z-DR-ZZ-00012.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	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).**

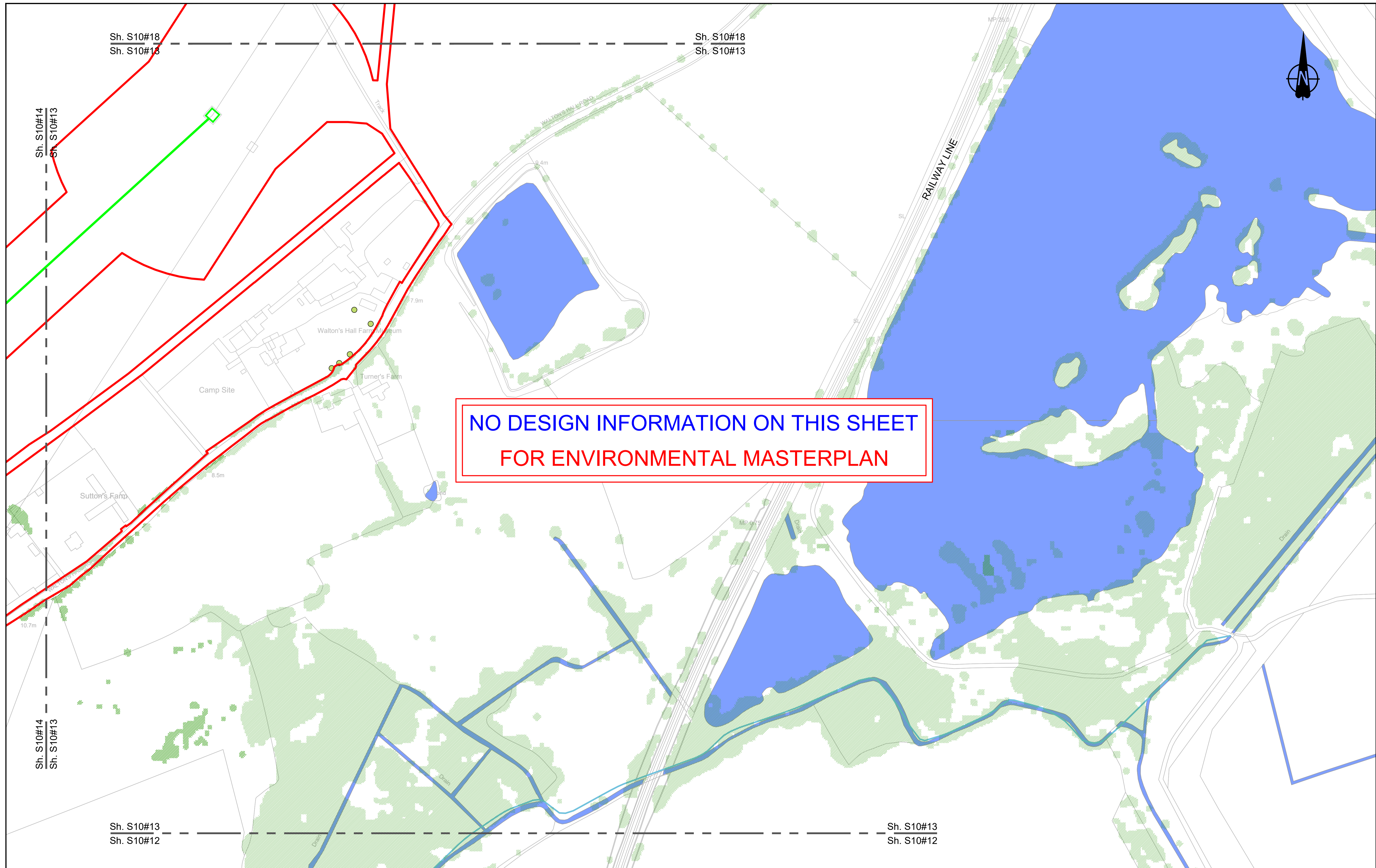
<p><b>Order Limits</b></p> <ul style="list-style-type: none"> <li>Permanent Acquisition of Land</li> </ul> <p><b>Grassland (LE 1)</b></p> <ul style="list-style-type: none"> <li>LE 1.3 Species Rich Grassland</li> <li>LE 1.31 Species Rich Chalk Grassland</li> <li>LE 1.32 Species Rich Annual Wildflower 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 Barks and Ditches</li> <li>LE 6.21 Barks 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 / Fenland Creation</li> <li>LE 8.5 Ecology Pond (indicative symbol only)</li> <li>LE 8.6 Acid Grassland Soil Salvage</li> </ul> <p><b>LE 8.7 Nitrogen Deposition (NDEP) Compensation Area</b></p> <p><b>Noise (E 1)</b></p> <ul style="list-style-type: none"> <li>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: 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 10 SHEET 12		
Drawing Number	HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ-00013		





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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.

P01.6 50 27/05/2022

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).

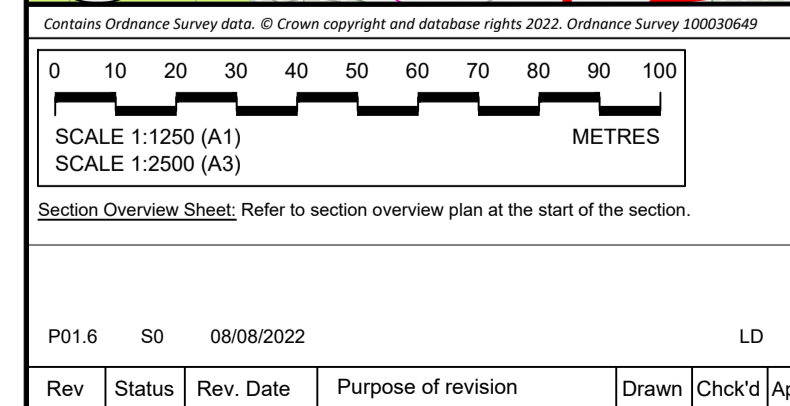
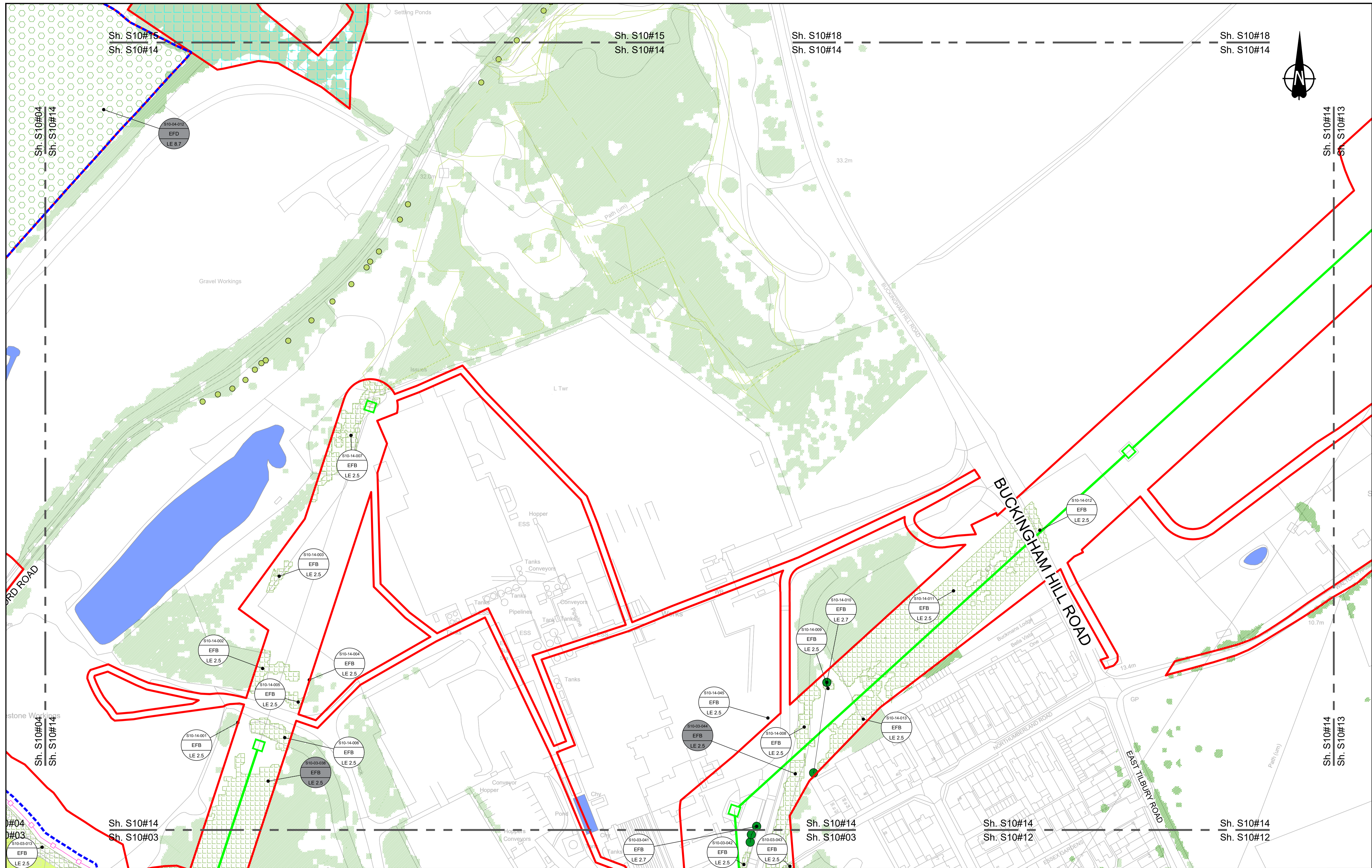
Order Limits	Grassland (LE 1)	Planting (LE 2)	Wetland Habitats (LE 6)	Individual Trees (LE 5)	Ecological Habitats (LE 8)	Noise (E 1)	Water (E 2)	Ecological (E 3)
Order Limits	LE 1.3 Species Rich Grassland	LE 2.1 Woodland	LE 6.1 Water Bodies - Standing Water	LE 5.1 Individual Trees	LE 8.1 Open Mosaic Habitat	LE 1.1 Nitrogen Deposition (NDEP) Compensation Area	LE 2.1 Flood Compensation Areas (E 2-FCA)	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
Permanent Acquisition of Land	LE 1.31 Species Rich Chalk Grassland	LE 2.11 Woodland With Non-Native Species	LE 6.11 Water Bodies - Shallow Scrape	LE 5.2 Scattered Trees	LE 8.2 Ancient Woodland	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	LE 2.2 Flood Compensation Areas (E 2-FCA)	E 3.2 Ecological Fencing (inc. highway boundary fence)
Grassland (LE 1)	LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.14 Wet / Carr Woodland	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape	LE 2.7 Scattered Trees	LE 8.3 Woodland Mitigation Planting	Flood Defence (E 2-FD)	E 3.2 Ecological Culvert	E 3.2 Ecological Culvert
LE 1.4 Rock and Scree	LE 1.4 Rock and Scree	LE 2.2 Woodland Edge	LE 6.2 Barks and Ditches	LE 2.8 Scrub / Scattered Scrub	LE 8.4 Wetland / Farmland Creation	Earthworks	E 3.2 Bat Boxes	E 3.2 Bat Boxes
		LE 2.22 Scrub Woodland	LE 6.21 Banks and Ditches - High Tide Root Features	Hedges (LE 4)	LE 8.5 Ecology Pond (indicative symbol only)	Proposed Contours	E 3.2 Bat Barn Block	E 3.2 Bat Barn Block
		LE 2.4 Linear Belt of Shrubs and Trees		LE 4.3 Native Species Hedge (untrimm'd)	LE 8.6 Acid Grassland Soil Salvage			
				LE 4.4 Native Hedgerow With Trees				
				LE 4.4 Native Hedgerow With Trees				

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 10 SHEET 13</b>		
Drawing Number	HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ-00014		

HE540039-CJV-EGN-S10\_EN000000\_Z-DR-ZZ-00014.dwg

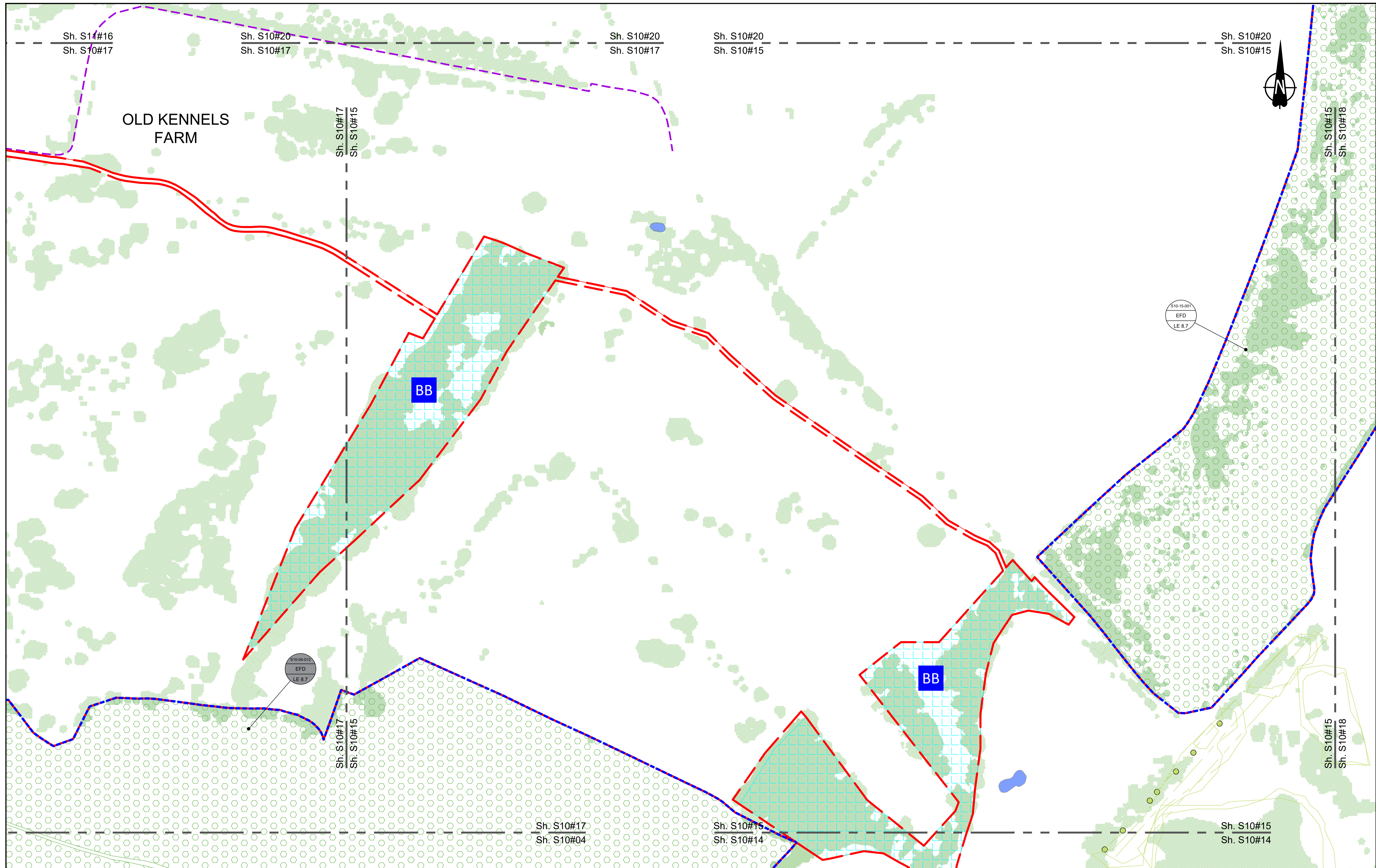


Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-S2Z_EN000000_Z-DR-ZZ-00001).			
Order Limits	Planting (LE 2)	Individual Trees (LE 5)	Ecological Habitats (LE 8)
Permanent Acquisition of Land	LE 2.1 Woodland	LE 5.1 Individual Trees	LE 8.1 Open 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 6.4 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 8.3 Woodland Mitigation Planting
LE 1.31 Species Rich Grassland	LE 2.2 Woodland Edge	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape	LE 8.4 Wetland / Farmland Creation
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)
LE 1.4 Rock and Scree	LE 2.4 Linear Belt of Shrubs and Trees	Hedges (LE 4)	LE 8.6 Acid Grassland Soil Salvage
LE 1.41 Species Rich Chalk Grassland	LE 4.3 Native Species Hedge (untrimsed)	LE 4.4 Native Hedgerow With Trees	Hard Landscape Features (LE 7)
LE 1.42 Species Rich Annual Wildflower Grassland	LE 4.3 Native Species Hedge (untrimsed)	LE 4.4 Native Hedgerow With Trees	LE 7.4 Reinforced Earth Band
LE 1.43 Species Rich Annual Wildflower Grassland	LE 4.4 Native Hedgerow With Trees	Earthworks	Proposed Contours
LE 1.44 Rock and Scree	LE 4.4 Native Hedgerow With Trees	LE 7.4 Reinforced Earth Band	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area
LE 1.45 Rock and Scree	LE 4.4 Native Hedgerow With Trees	Earthworks	Noise (E 1)
LE 1.46 Rock and Scree	LE 4.4 Native Hedgerow With Trees	Earthworks	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)
LE 1.47 Rock and Scree	LE 4.4 Native Hedgerow With Trees	Earthworks	Water (E 2)
LE 1.48 Rock and Scree	LE 4.4 Native Hedgerow With Trees	Earthworks	E 2.2 Flood Compensation Areas (E 2-FCA)
LE 1.49 Rock and Scree	LE 4.4 Native Hedgerow With Trees	Earthworks	E 2.5 Ecology Pond (indicative symbol only)
LE 1.50 Rock and Scree	LE 4.4 Native Hedgerow With Trees	Earthworks	E 2-FD Flood Defence (E 2-FD)
LE 1.51 Rock and Scree	LE 4.4 Native Hedgerow With Trees	Earthworks	Ecological (E 3)
LE 1.52 Rock and Scree	LE 4.4 Native Hedgerow With Trees	Earthworks	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
LE 1.53 Rock and Scree	LE 4.4 Native Hedgerow With Trees	Earthworks	E 3.2 Dormouse Boxes
LE 1.54 Rock and Scree	LE 4.4 Native Hedgerow With Trees	Earthworks	E 3.2 Bat Boxes
LE 1.55 Rock and Scree	LE 4.4 Native Hedgerow With Trees	Earthworks	E 3.2 Ecological Culvert
LE 1.56 Rock and Scree	LE 4.4 Native Hedgerow With Trees	Earthworks	E 3.2 Bat Barn Block
LE 1.57 Rock and Scree	LE 4.4 Native Hedgerow With Trees	Earthworks	E 3.2 Barn Owl Box
LE 1.58 Rock and Scree	LE 4.4 Native Hedgerow With Trees	Earthworks	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 1.59 Rock and Scree	LE 4.4 Native Hedgerow With Trees	Earthworks	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 1.60 Rock and Scree	LE 4.4 Native Hedgerow With Trees	Earthworks	E 3.2 Ecological Fencing (inc. highway boundary fence)

Client: national highways

Project: LOWER THAMES CROSSING

Status	Initial Status or WIP	Original Size	A1	Revision	P01.6
Application Document Number	TR010032/APP/6.2	Scale	1:1250		
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 10 SHEET 14				
Drawing Number	HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ-00015				



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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		

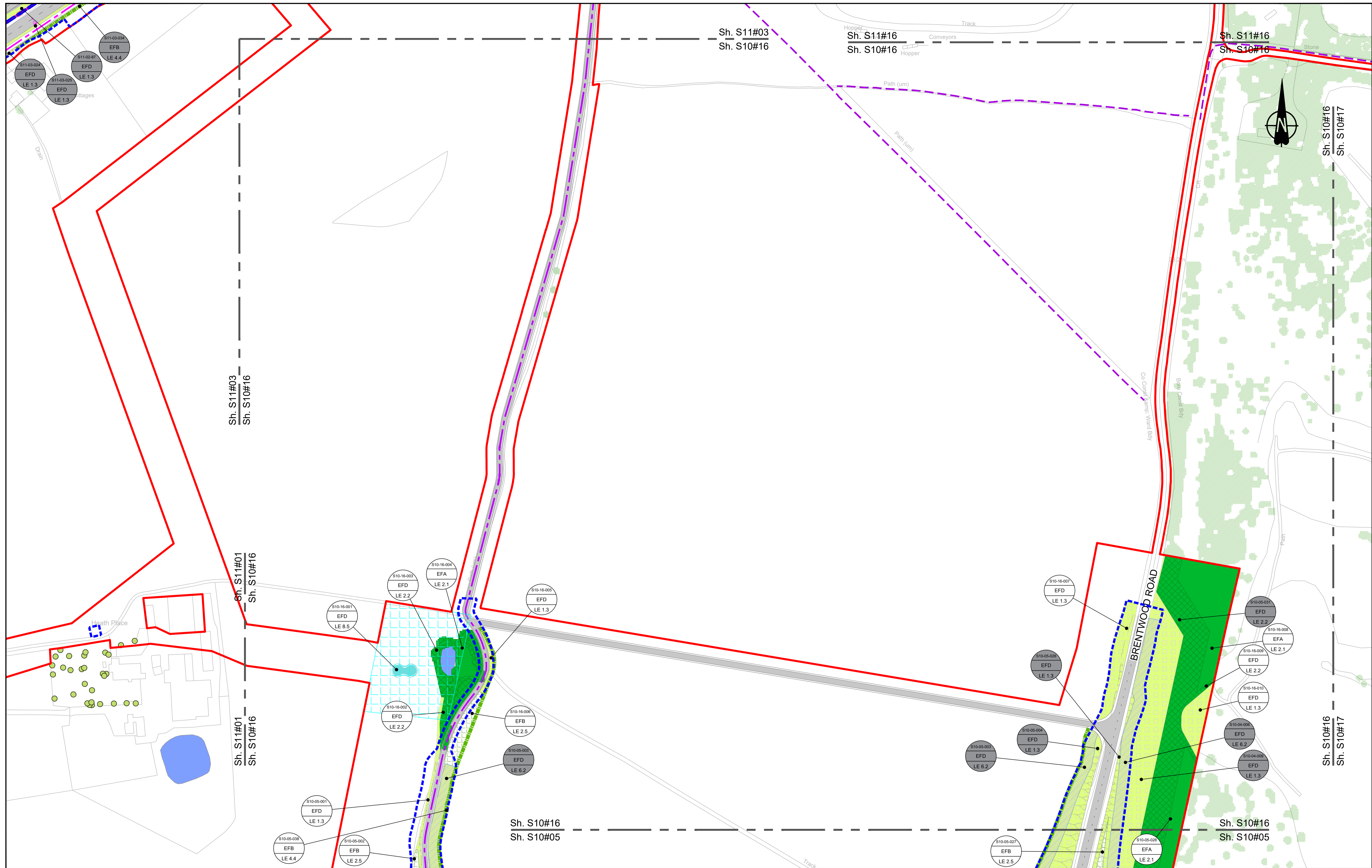
**Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ\_EN000000\_Z-DR-ZZ-00001).**

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

Project: **LOWER THAMES CROSSING**

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.6
Scale	1:1250		
Drawing title	<b>ENVIRONMENTAL MASTERPLAN SECTION 10 SHEET 15</b>		
Drawing Number	HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ-00016		



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

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

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

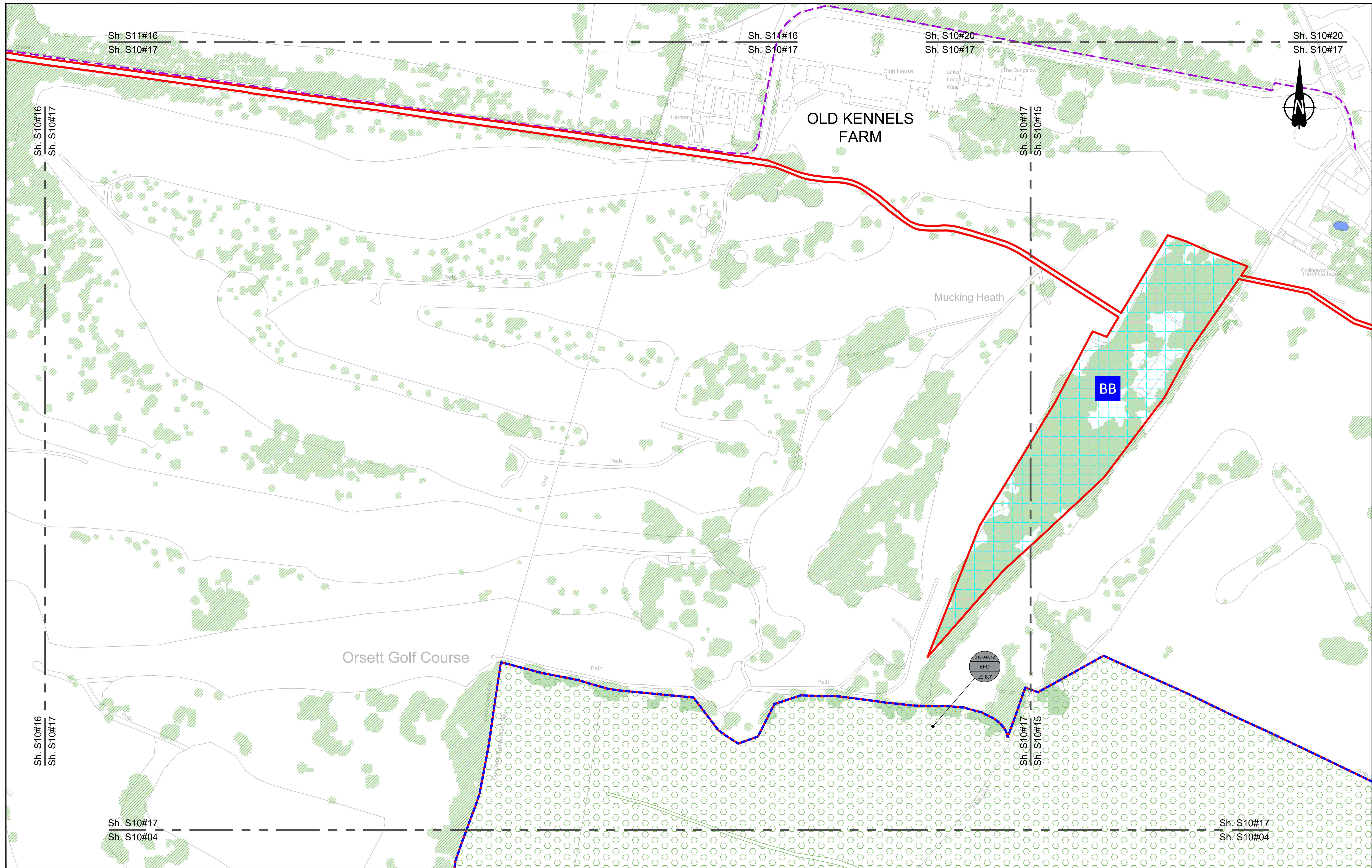
Order Limits	<b>Planting (LE 2)</b>	LE 2.1 Woodland	LE 2.5 Shrubs With Intermittent Trees	<b>Individual Trees (LE 5)</b>	LE 5.1 Individual Trees	<b>Wetland Habitats (LE 6)</b>	LE 6.1 Marsh and Wet Grassland - Coastal Grazing Marsh
Permanent Acquisition of Land	LE 2.11 Woodland With Non-Native Species	LE 2.7 Scattered Trees	LE 2.8 Scrub / Scattered Scrub	<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
<b>Grassland (LE 1)</b>	LE 2.14 Wet / Carr Woodland	<b>Hedges (LE 4)</b>	LE 4.3 Native Species Hedge (untrimmed)	<b>Hard Landscape Features (LE 7)</b>	LE 7.4 Reinforced Earth Bund	<b>Earthworks</b>	Proposed Contours
LE 1.3 Species Rich Grassland	LE 2.2 Woodland Edge	LE 4.4 Native Hedgerow With Trees	LE 2.4 Linear Belt of Shrubs and Trees	LE 7.4 Reinforced Earth Bund	LE 7.4 Reinforced Earth Bund	LE 7.4 Reinforced Earth Bund	LE 7.4 Reinforced Earth Bund
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.22 Scrub Woodland	LE 2.4 Native Hedgerow With Trees	LE 2.4 Native Hedgerow With Trees	LE 6.2 Barks and Ditches	LE 6.2 Barks and Ditches	LE 6.2 Barks and Ditches	LE 6.2 Barks and Ditches
LE 1.4 Rock and Scree	LE 2.4 Linear Belt of Shrubs and Trees	LE 2.4 Linear Belt of Shrubs and Trees	LE 2.4 Linear Belt of Shrubs and Trees	LE 6.21 Barks and Ditches - High Tide Root Features	LE 6.21 Barks and Ditches - High Tide Root Features	LE 6.21 Barks and Ditches - High Tide Root Features	LE 6.21 Barks and Ditches - High Tide Root Features

LE 6.4 Wet Grassland	<b>Ecological Habitats (LE 8)</b>	LE 8.1 Open Mosaic Habitat	<b>Noise (E 1)</b>	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	<b>Ecological (E 3)</b>
LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 8.2 Ancient Woodland Compensation Planting	LE 8.3 Woodland Mitigation Planting	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 6.42 Reinforced Earth Bund	LE 8.4 Wetland / Farmland Creation	LE 8.5 Ecology Pond (indicative symbol only)	<b>Water (E 2)</b>	E 3.2 Dormouse Boxes	E 3.2 Bat Boxes
LE 6.43 Native Species Hedge (untrimmed)	LE 8.6 Acid Grassland Soil Salvage	LE 8.6 Acid Grassland Soil Salvage	Flood Compensation Areas (E 2-FCA)	E 3.2 Bat Boxes	E 3.2 Ecological Culvert
LE 6.44 Native Hedgerow With Trees	LE 8.6 Acid Grassland Soil Salvage	LE 8.6 Acid Grassland Soil Salvage	Flood Defence (E 2-FD)	E 3.2 Bat Boxes	E 3.2 Ecological Culvert
LE 6.45 Native Hedgerow With Trees	LE 8.6 Acid Grassland Soil Salvage	LE 8.6 Acid Grassland Soil Salvage	Flood Defence (E 2-FD)	E 3.2 Bat Boxes	E 3.2 Ecological Culvert

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 10 SHEET 16		
Drawing Number: HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ-00017		



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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
P01.2	SO	08/08/2022				LD

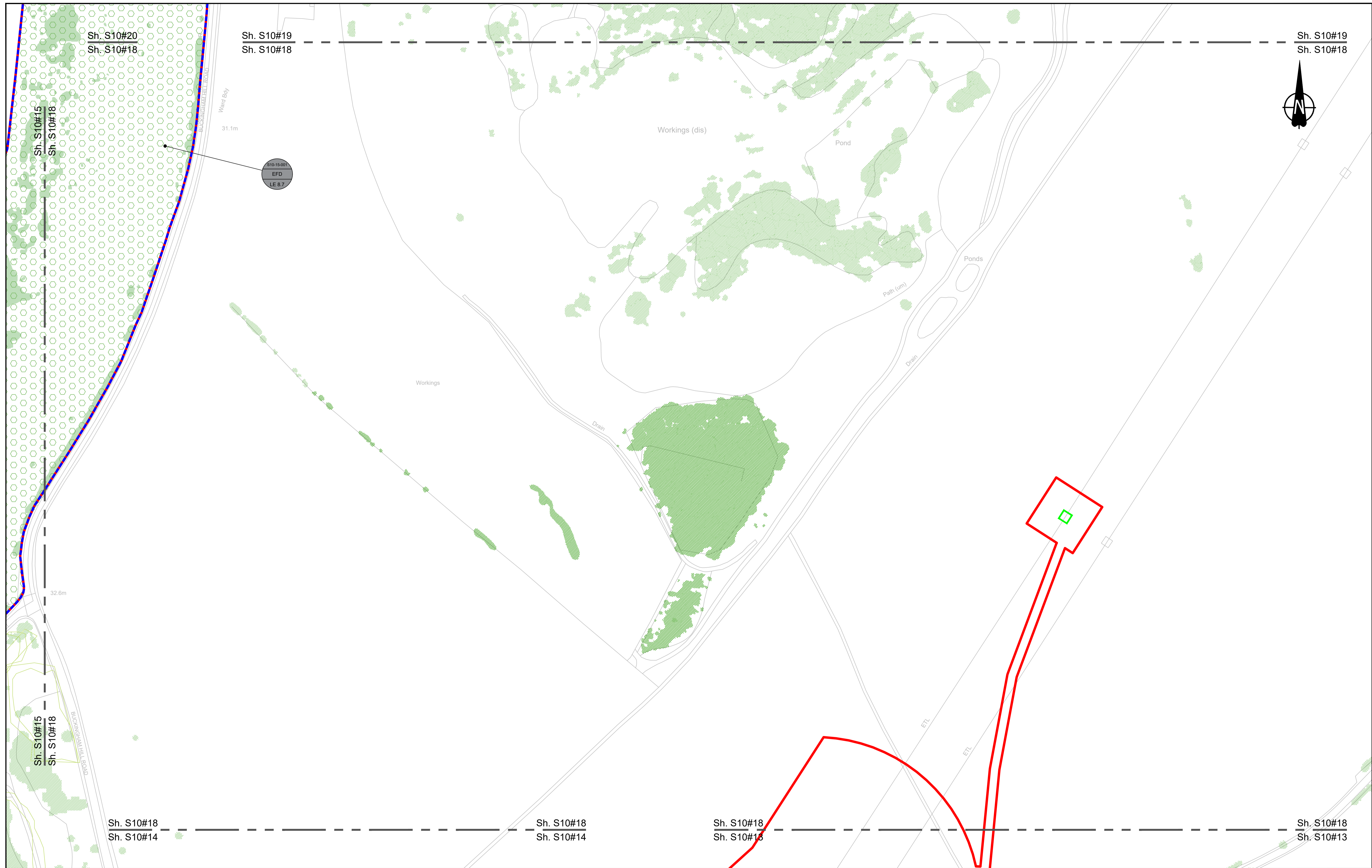
**Environmental Mitigation Legend:** Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ\_EN000000\_Z-DR-ZZ-00001).

<p><b>Order Limits</b></p> <ul style="list-style-type: none"> <li>Permanent Acquisition of Land</li> </ul> <p><b>Grassland (LE 1)</b></p> <ul style="list-style-type: none"> <li>LE 1.3 Species Rich Chalk Grassland</li> <li>LE 1.31 Species Rich Chalk Grassland</li> <li>LE 1.32 Species Rich Annual Wildflower Grassland</li> <li>LE 1.4 Rock and Scree</li> </ul>	<p><b>Planting (LE 2)</b></p> <ul style="list-style-type: none"> <li>LE 2.1 Woodland</li> <li>LE 2.11 Woodland With Non-Native Species</li> <li>LE 2.14 Wet / Carr Woodland</li> <li>LE 2.2 Woodland Edge</li> <li>LE 2.22 Scrub Woodland</li> <li>LE 2.4 Linear Belt of Shrubs and Trees</li> </ul>	<p><b>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 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>Hard Landscape Features (LE 7)</b></p> <ul style="list-style-type: none"> <li>LE 7.4 Reinforced Earth Band</li> </ul> <p><b>Earthworks</b></p> <ul style="list-style-type: none"> <li>Proposed Contours</li> </ul>	<p><b>Noise (E 1)</b></p> <ul style="list-style-type: none"> <li>LE 8.7 Nitrogen Deposition (NDEP) Compensation Area</li> <li>E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)</li> </ul> <p><b>Water (E 2)</b></p> <ul style="list-style-type: none"> <li>Flood Compensation Areas (E 2-FCA)</li> <li>LE 8.5 Ecology Pond (indicative symbol only)</li> <li>Flood Defence (E 2-FD)</li> </ul>	<p><b>Ecological (E 3)</b></p> <ul style="list-style-type: none"> <li>E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species</li> <li>E 3.2 Ecological Fencing (inc. highway boundary fence)</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: **national highways**

Project: **LOWER THAMES CROSSING**

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.2
Scale	1:1250		
Drawing title	<b>ENVIRONMENTAL MASTERPLAN SECTION 10 SHEET 17</b>		
Drawing Number	HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ-00018		



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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
P01.2	SO	08/08/2022				LD

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

<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 Barn Owl Box</p> <p>E 3.2 Ecological Fencing (inc. highway boundary fence)</p>
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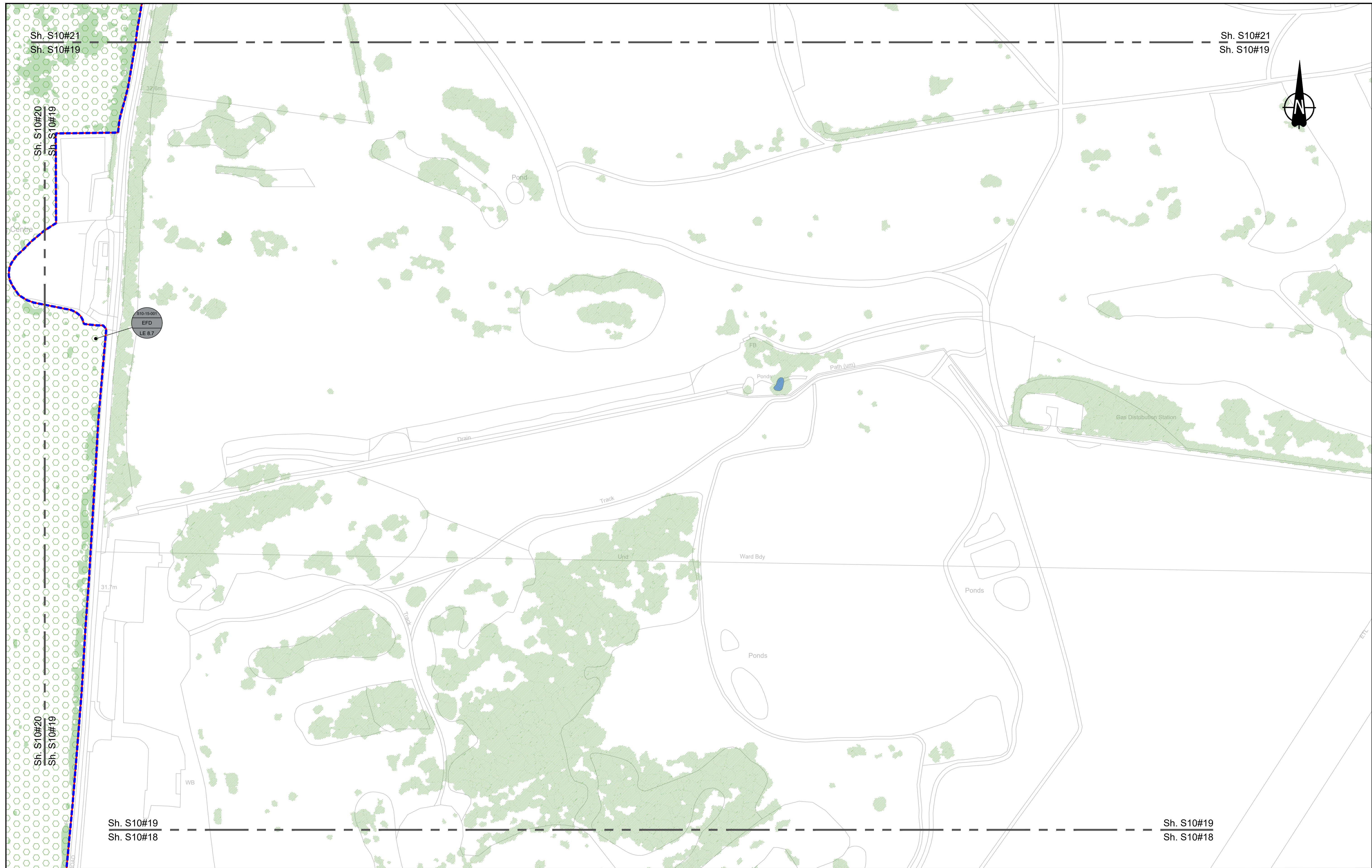
Client

Project

**LOWER THAMES CROSSING**

15 St Botolph Street  
London EC3A 7DT

Status	Initial Status or WIP	Original Size	A1	Revision	P01.2
Application Document Number	TR010032/APP/6.2	Scale	1:1250		
Drawing title	<b>ENVIRONMENTAL MASTERPLAN SECTION 10 SHEET 18</b>				
Drawing Number	HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ-00019				



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

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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P01.3	SO	08/08/2022				LD

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

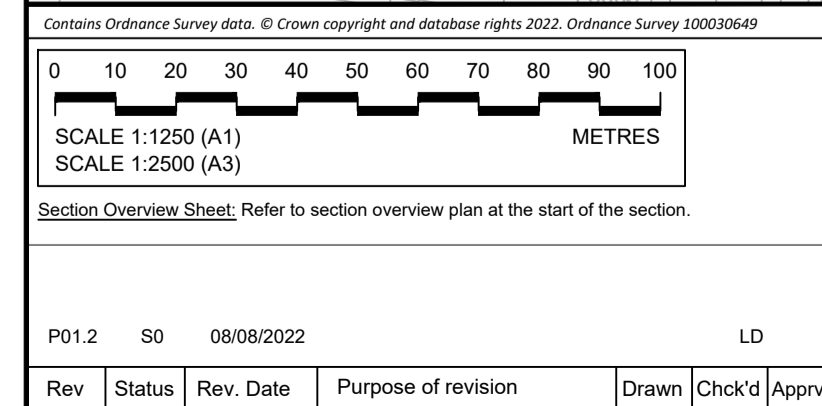
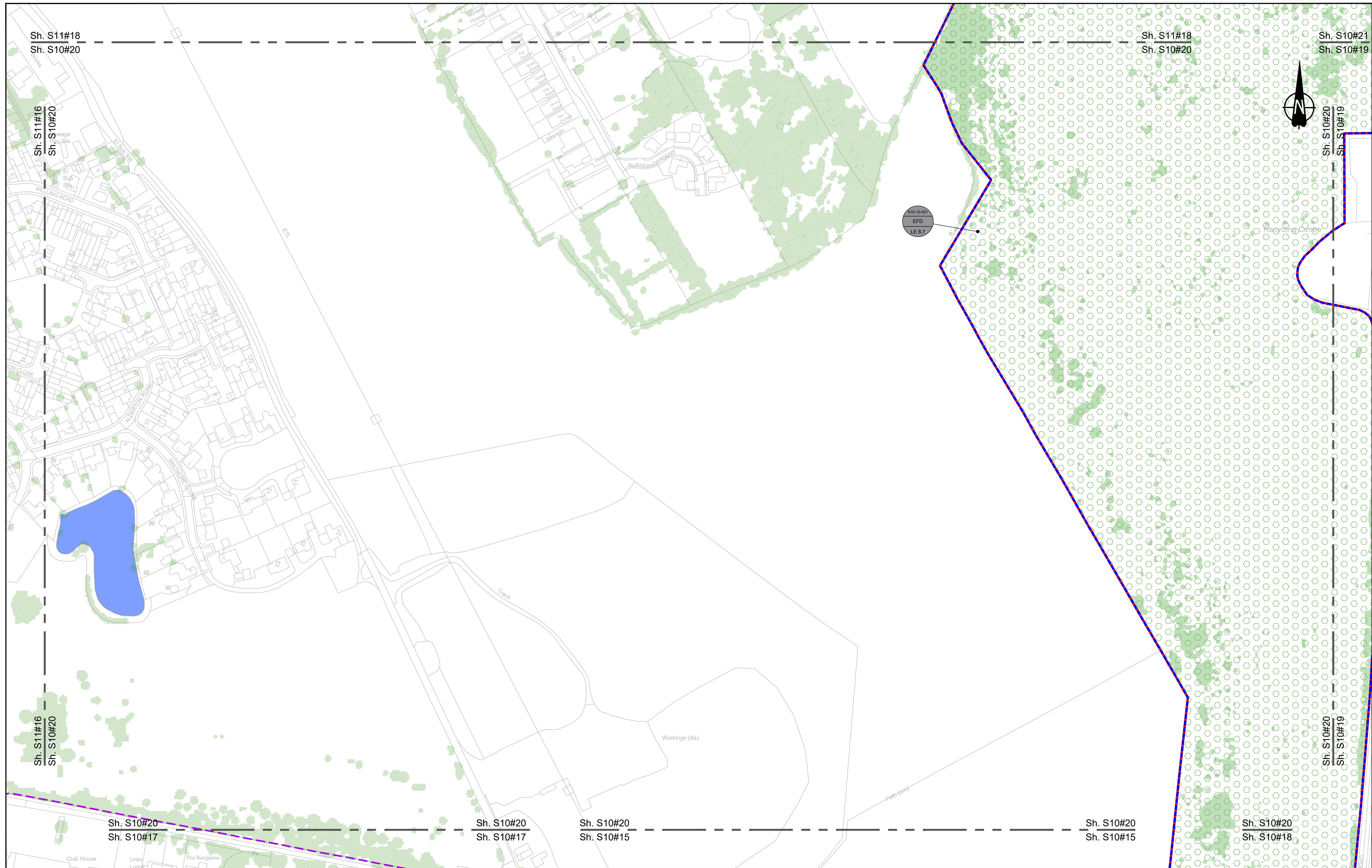
<p><b>Order Limits</b></p> <ul style="list-style-type: none"> <li>Permanent Acquisition of Land</li> </ul> <p><b>Grassland (LE 1)</b></p> <ul style="list-style-type: none"> <li>LE 1.3 Species Rich Grassland</li> <li>LE 1.31 Species Rich Chalk Grassland</li> <li>LE 1.32 Species Rich Annual Wildflower 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 (untrimmied)</li> <li>LE 4.4 Native Hedgerow With Trees</li> </ul>	<p><b>Individual Trees (LE 5)</b></p> <ul style="list-style-type: none"> <li>LE 5.1 Individual Trees</li> </ul> <p><b>Wetland Habitats (LE 6)</b></p> <ul style="list-style-type: none"> <li>LE 6.11 Water Bodies - Standing Water</li> <li>LE 6.12 Water Bodies and Associated Plants - Shallow Scrape</li> <li>LE 6.2 Barks 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 Band</li> </ul> <p><b>Earthworks</b></p> <ul style="list-style-type: none"> <li>Proposed Contours</li> </ul>	<p><b>Ecological Habitats (LE 8)</b></p> <ul style="list-style-type: none"> <li>LE 8.1 Open Mosaic Habitat</li> <li>LE 8.2 Ancient Woodland Compensation Planting</li> <li>LE 8.3 Woodland Mitigation Planting</li> <li>LE 8.4 Wetland / 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>	<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	P01.3
Scale	1:1250		
Drawing title	<b>ENVIRONMENTAL MASTERPLAN SECTION 10 SHEET 19</b>		
Drawing Number	HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ-00020		



Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).	
<b>Order Limits</b> Permanent Acquisition of Land <b>Grassland (LE 1)</b> LE 1.3 Species Rich Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual Wildflower Grassland LE 1.4 Rock and Scree	<b>Planting (LE 2)</b> LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species LE 2.14 Wet / Carr Woodland LE 2.2 Woodland Edge LE 2.22 Scrub Woodland LE 2.4 Linear Belt of Shrubs and Trees LE 2.5 Shrubs With Intermittent Trees LE 2.7 Scattered Trees LE 2.8 Scrub / Scattered Scrub <b>Hedges (LE 4)</b> LE 4.3 Native Species Hedge (untrimmied) LE 4.4 Native Hedgerow With Trees
<b>Individual Trees (LE 5)</b> LE 5.1 Individual Trees <b>Wetland Habitats (LE 6)</b> LE 6.11 Water Bodies - Standing Water LE 6.12 Water Bodies and Associated Plants - Shallow Scrape LE 6.2 Banks and Ditches LE 6.21 Banks and Ditches - High Tide Root Features	LE 6.4 Wet Grassland LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh <b>Hard Landscape Features (LE 7)</b> LE 7.4 Reinforced Earth Bund <b>Earthworks</b> Proposed Contours
<b>Ecological Habitats (LE 8)</b> LE 8.1 Open Mosaic Habitat LE 8.2 Ancient Woodland Compensation Planting LE 8.3 Woodland Mitigation Planting LE 8.4 Wetland / Farmland Creation LE 8.5 Ecology Pond (indicative symbol only) LE 8.6 Acid Grassland Soil Salvage	<b>Noise (E 1)</b> LE 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence) <b>Water (E 2)</b> Flood Compensation Areas (E 2-FCA) Flood Defence (E 2-FD)
<b>Ecological (E 3)</b> E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species E 3.2 Dormouse Boxes E 3.2 Bat Boxes E 3.2 Ecological Culvert E 3.2 Ecological Fencing (inc. highway boundary fence) E 3.2 Ecological Fencing (inc. highway boundary fence)	E 3.2 Barn Owl Box E 3.2 Ecological Fencing (inc. highway boundary fence)

Client: **national highways**

Project: **LOWER THAMES CROSSING**

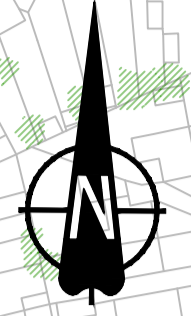
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Drawing title: <b>ENVIRONMENTAL MASTERPLAN SECTION 10 SHEET 20</b>		
Drawing Number: HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ-00021		





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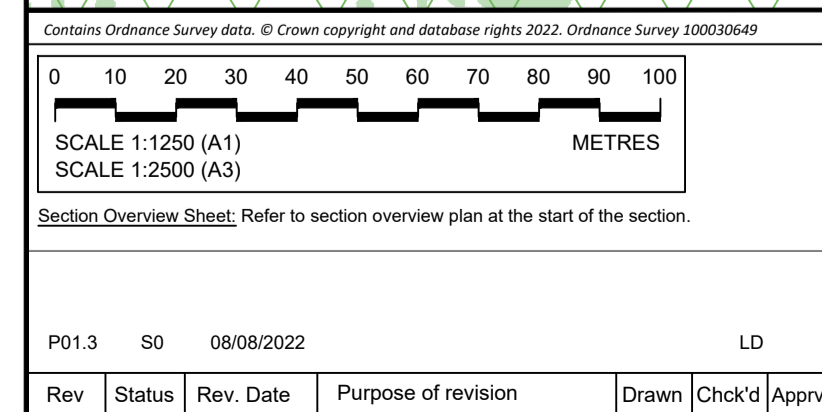
A13



Sh. S11#18  
Sh. S10#21

Sh. S10#21  
Sh. S10#19

Sh. S10#21  
Sh. S10#19



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

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

LE 2.2 Scrub Woodland	LE 2.22 Scrub Woodland	LE 2.4 Linear Belt of Shrubs and Trees
LE 2.22 Scrub Woodland	LE 2.22 Scrub Woodland	LE 2.4 Linear Belt of Shrubs and Trees

LE 6.2 Barks and Ditches	LE 6.21 Banks and Ditches - High Tide Root Features
LE 6.2 Barks and Ditches	LE 6.21 Banks and Ditches - High Tide Root Features

Client: national highways

Project: LOWER THAMES CROSSING

Status: Initial Status or WIP	Application Document Number: TR010032/APP/6.2	Original Size: A1	Revision: P01.3
Drawing title: ENVIRONMENTAL MASTERPLAN SECTION 10 SHEET 21		Scale: 1:1250	
Drawing Number: HE540039-CJV-EGN-S10_EN000000_Z-DR-ZZ-00022			

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