

Lower Thames Crossing

6.2 Environmental Statement Figures

Figure 2.4 - Environmental Masterplan Section 12 (8 of 10) (Tracked changes version)

APFP Regulation 5(2)(a)

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

Volume 6

DATE: August 2023
DEADLINE: 2

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

VERSION: 2.0

Lower Thames Crossing

Figure 2.4: Environmental Masterplan

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1 Environmental Masterplan: Section 12

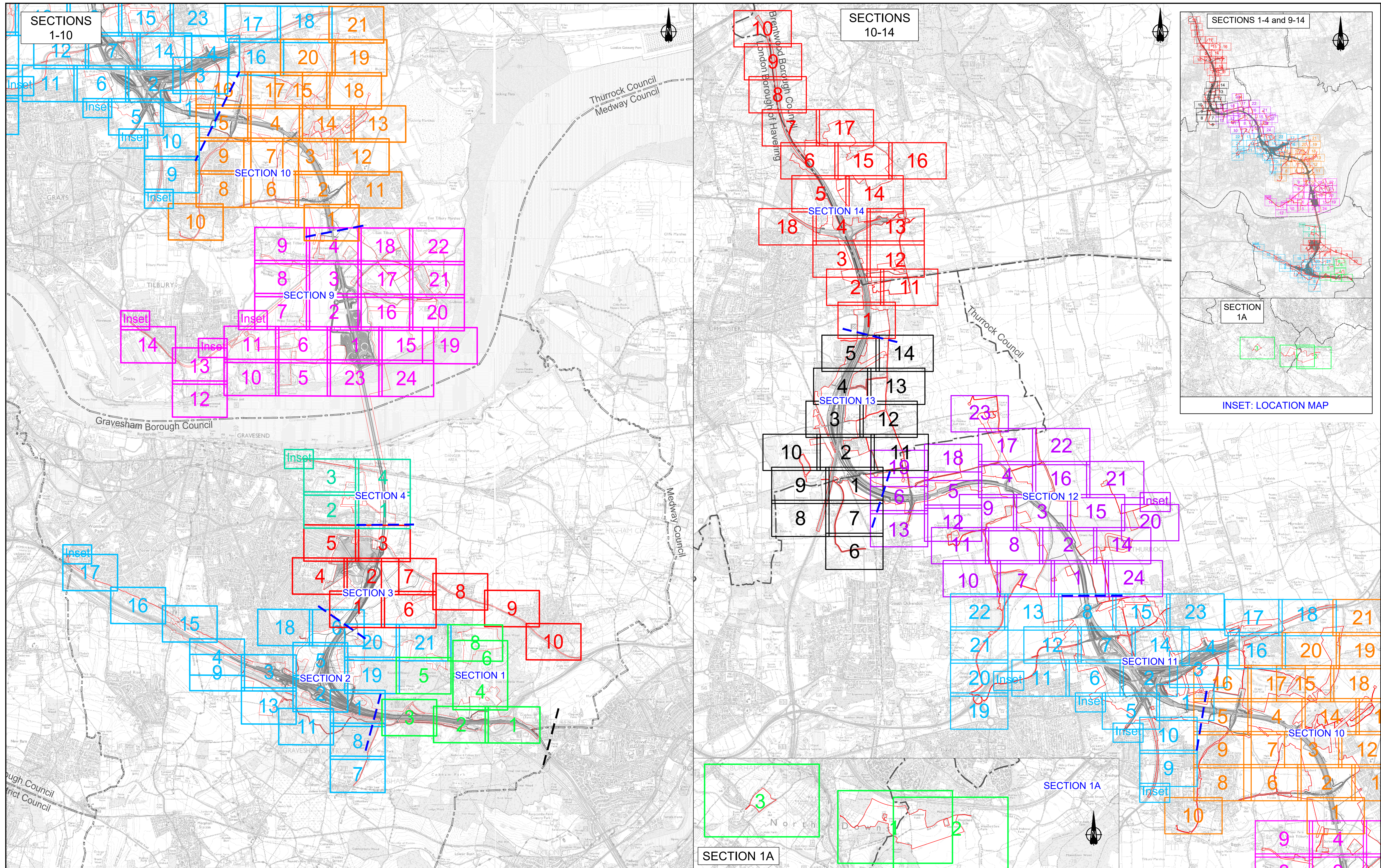
1.1 Schedule of Plans included in this application document

1.2 Section 12 (Sheets 1-24)

HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ- 00001 - Section 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
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HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ- 00012 - Section 12 Sheet 11	TR010032/APP/6.2	P01.6

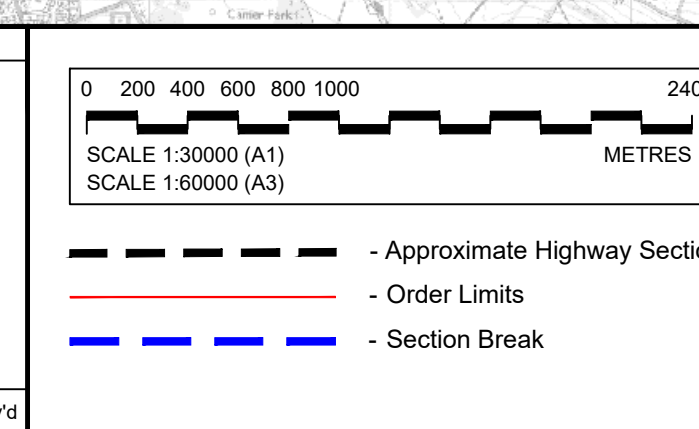
HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ- 00013 - Section 12 Sheet 12	TR010032/APP/6.2	P01.6
HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ- 00014 - Section 12 Sheet 13	TR010032/APP/6.2	P01.6
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HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ- 00017 - Section 12 Sheet 16	TR010032/APP/6.2	P01.5
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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

1.3 Scheme Overview



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



Section Layout Key:

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

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

For information, the following sheets have been omitted:

Section 1

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

Section 2

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

Client:

Project: **LOWER THAMES CROSSING**

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

1.4 Environmental Masterplan Legend

EXISTING FEATURES

General Features

- Existing WCH Route
- Overhead Power Lines

Environmental Features

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

PROPOSED PROJECT FEATURES

- Order Limits
- Permanent Acquisition of Land

General Project Features

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

General Project Features cont.

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

PROPOSED LANDSCAPE ELEMENTS

Grassland (LE 1)

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

Planting (LE 2)

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

Hedges (LE 4)

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

Individual Trees (LE 5)

- LE 5.1 Individual Trees

Wetland Habitats (LE 6)

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

General Project Features cont.

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

Ecological Habitats (LE 8)

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

Earthworks

- Proposed Contours

PROPOSED ENVIRONMENTAL ELEMENTS

Noise (E 1)

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

Water (E 2)

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

Ecological (E 3)

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

NOTES:

Land Reinstatement

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

WCH Terminology and Route Information

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

Veteran Trees

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

Outline Landscape and Ecological Management Plan

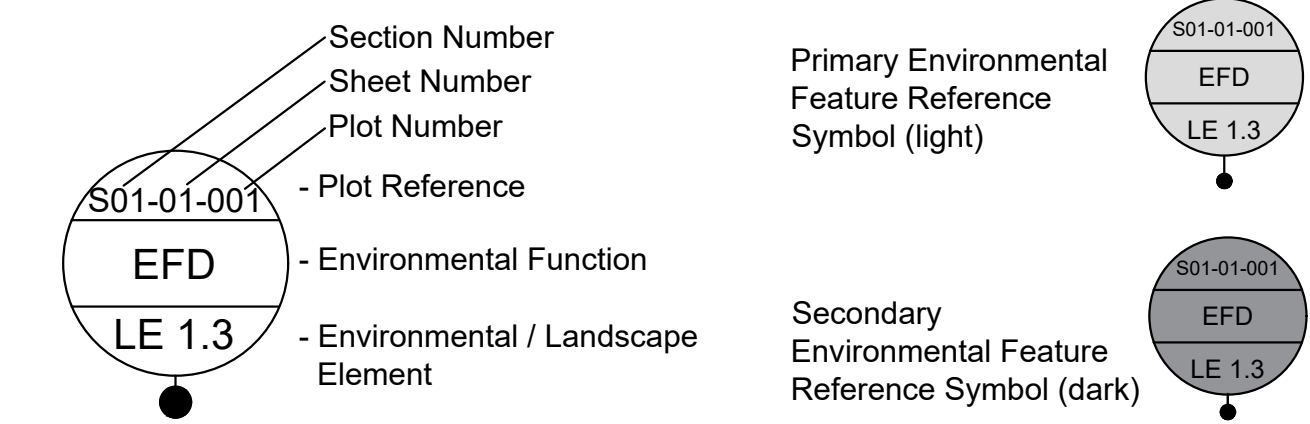
The outline Landscape and Ecology Management Plan (LEMP) separately sets out the proposed management for the environmental / landscape elements shown on the Environmental Masterplan. The Environment Masterplan secures the spatial extent and location of the environmental / landscape elements detailed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

Existing WCH Routes

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

Environmental Feature Reference Symbol

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



Environmental Functions (EF)

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

Project Design Report

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

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

Status: Initial Status or WIP

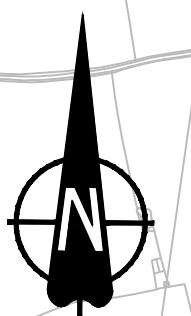
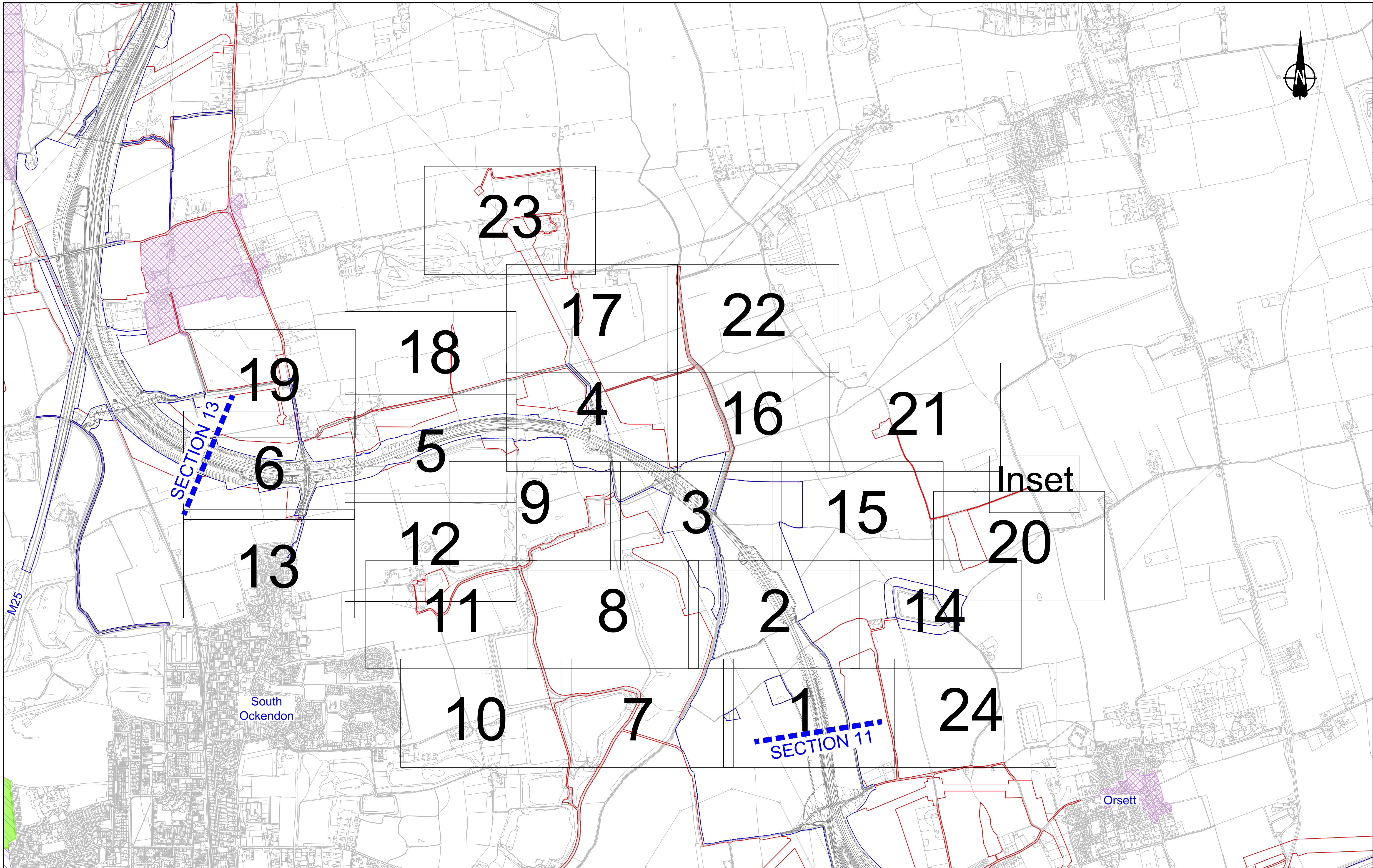
Application Document Number: TR010032/APP/6.2

Drawing title: ENVIRONMENTAL MASTERPLAN LEGEND

Drawing Number: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001

Original Size: A1	Revision: P01.6
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1.5 Section 12



SECTION 13

SECTION 11

Inset

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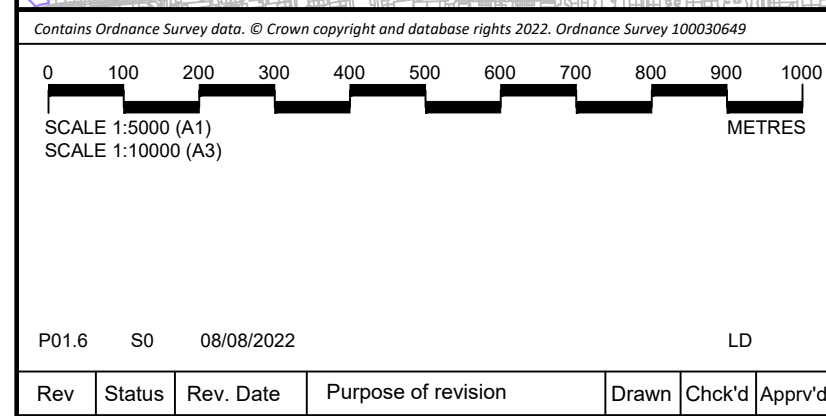
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24

10

South Ockendon

Orsett



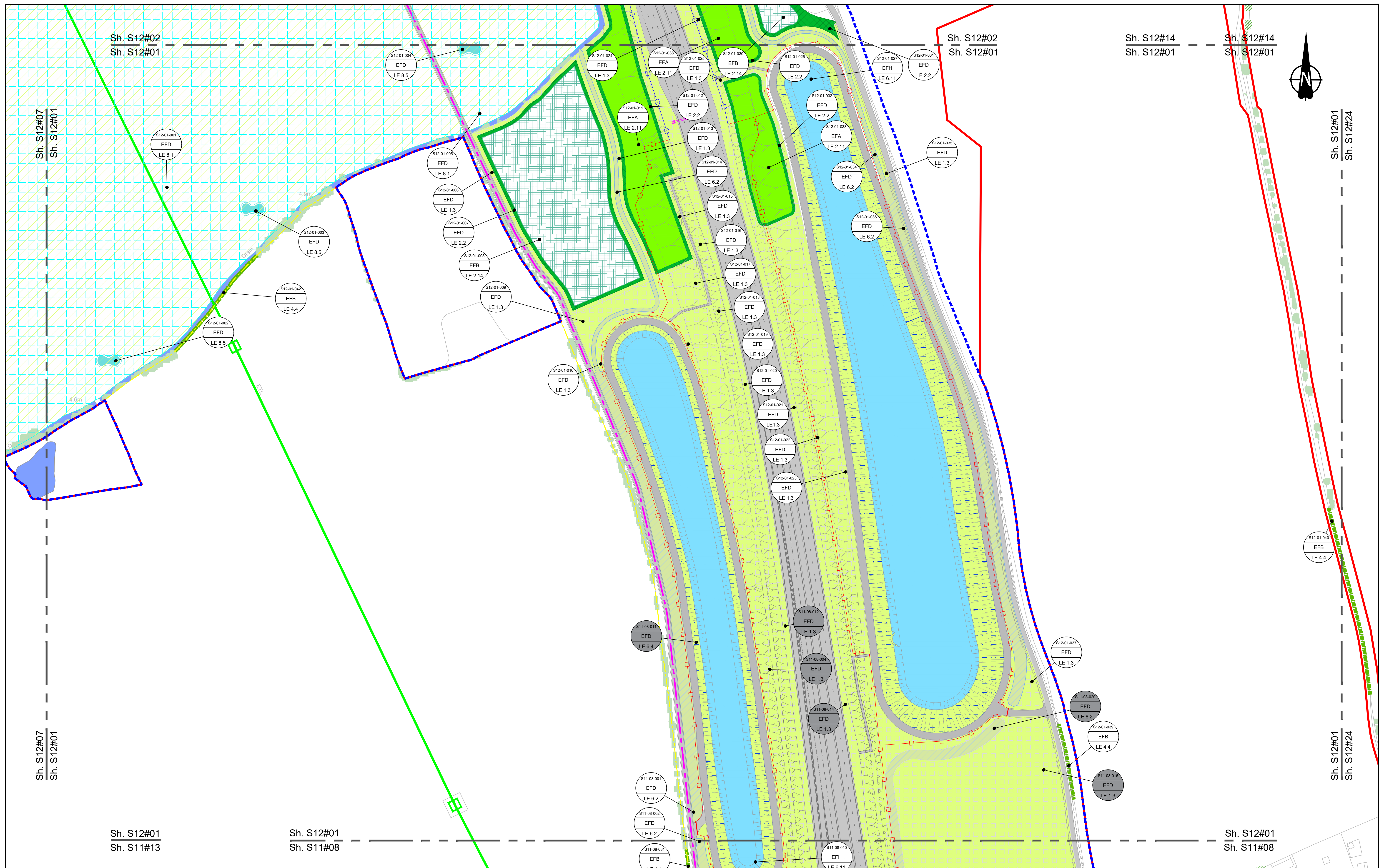
LEGEND

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
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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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

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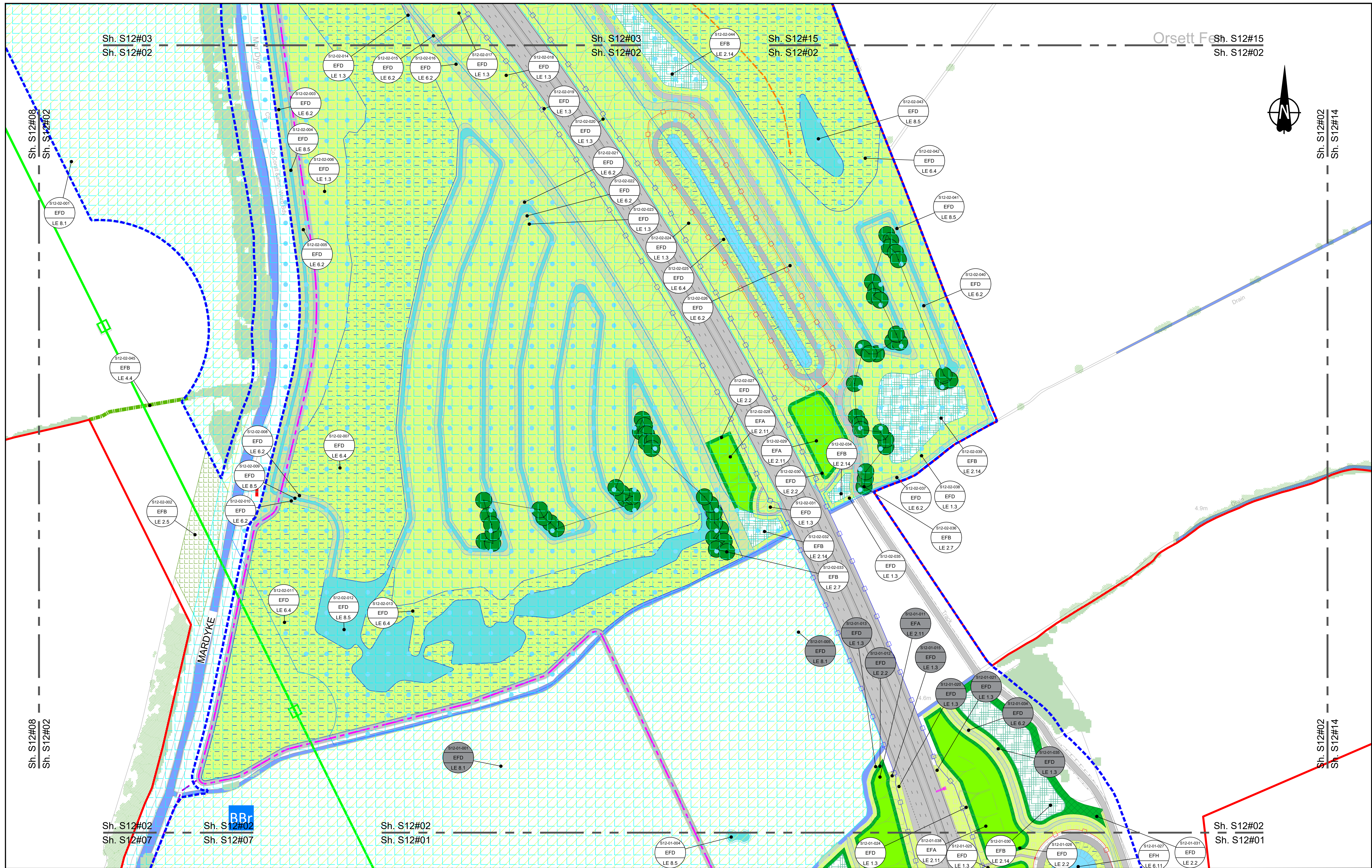
Order Limits Permanent Acquisition of Land	Planting (LE 2) LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species LE 2.14 Wet / Carr Woodland LE 2.2 Woodland Edge LE 2.22 Scrub Woodland LE 2.4 Linear Belt of Shrubs and Trees	Individual Trees (LE 5) LE 5.1 Individual Trees	Wetland Habitats (LE 6) LE 6.11 Water Bodies - Standing Water LE 6.12 Water Bodies and Associated Plants - Shallow Scrape LE 6.2 Banks and Ditches LE 6.21 Banks and Ditches - High Tide Roost Features	Ecological Habitats (LE 8) LE 8.1 Open Mosaic Habitat LE 8.2 Ancient Woodland Compensation Planting LE 8.3 Woodland Mitigation Planting LE 8.4 Wetland / Fenland Creation LE 8.6 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	Hard Landscape Features (LE 7) LE 7.4 Reinforced Earth Bund	Earthworks Proposed Contours	E 3.2 Ecological Fencing (inc. highway boundary fence)
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Client: **national highways**

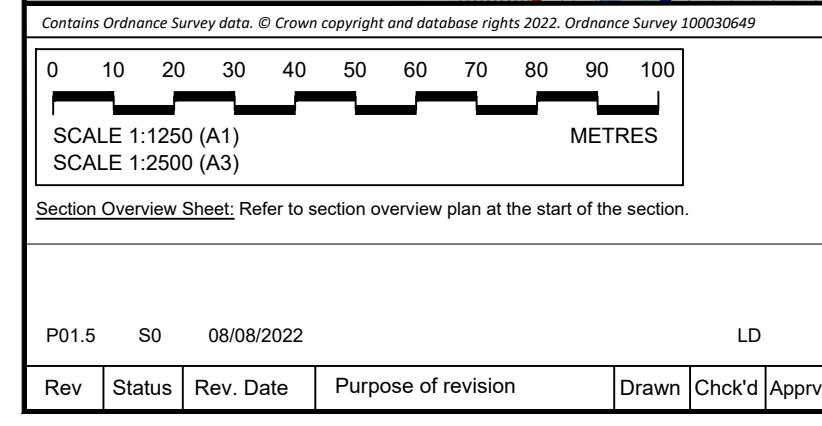
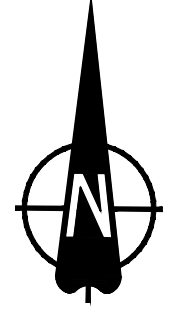
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Drawing Number: HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ-00002		

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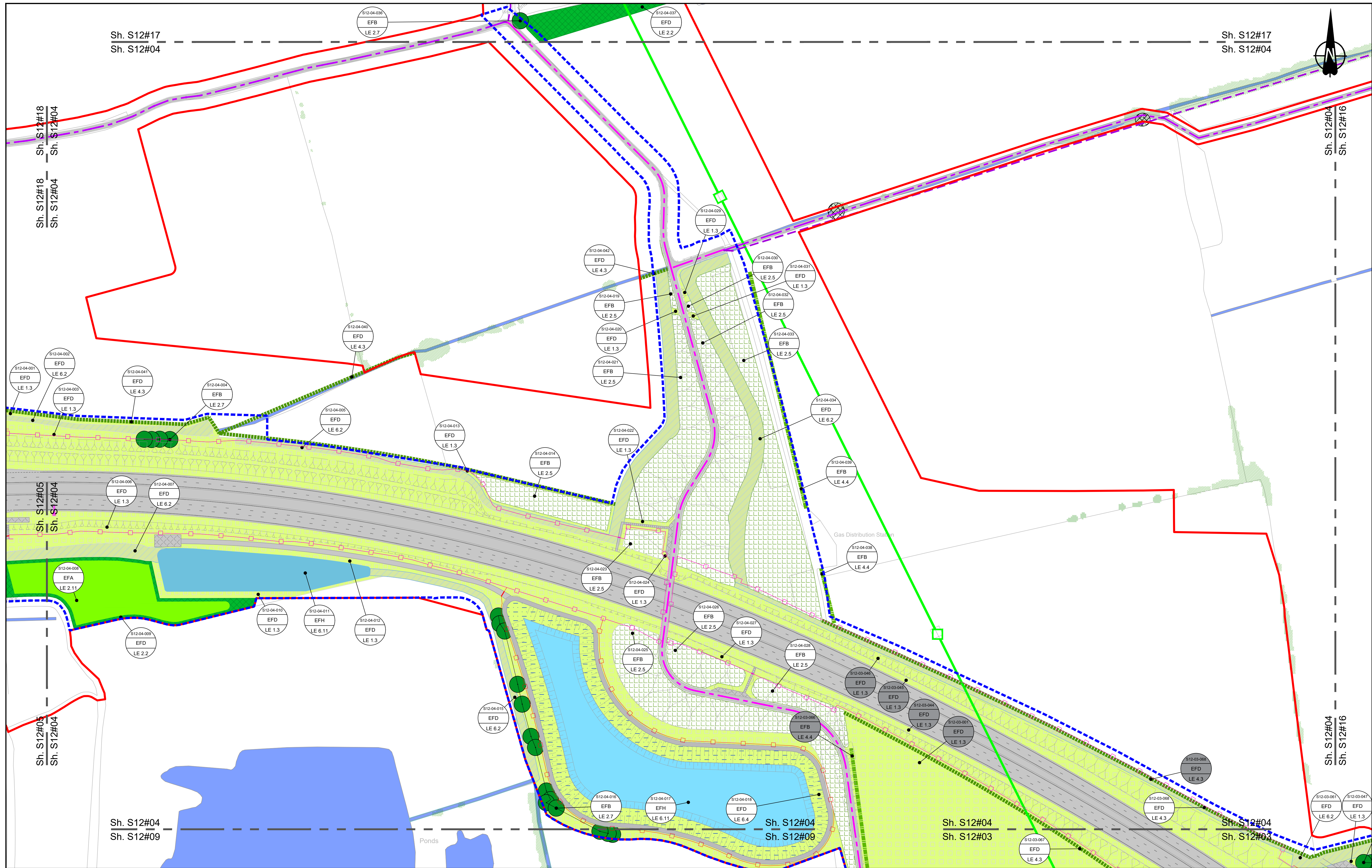
Order Limits	Planting (LE 2)	Individual Trees (LE 5)	Ecological Habitats (LE 8)	Noise (E 1)	Ecological (E 3)
Permanent Acquisition of Land	LE 2.1 Woodland	LE 5.1 Individual Trees	LE 8.1 Open Mosaic Habitat	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
Grassland (LE 1)	LE 2.11 Woodland With Non-Native Species	Wetland Habitats (LE 6)	LE 8.2 Ancient Woodland Compensation Planting	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 1.3 Species Rich Grassland	LE 2.14 Wet / Carr Woodland	LE 6.1 Water Bodies - Standing Water	LE 8.3 Woodland Mitigation Planting	Flood Compensation Areas (E 2-FCA)	E 3.2 Bat Barn Boxes
LE 1.31 Species Rich Chalk Grassland	LE 2.2 Woodland Edge	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape	LE 8.4 Wetland / Fenland Creation	Flood Defence (E 2-FD)	E 3.2 Bat Boxes
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)		E 3.2 Ecological Culvert
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 8.6 Acid Grassland Soil Salvage		E 3.2 Bat Barn Block
		Hedges (LE 4)			
		LE 4.3 Native Species Hedge (untrimmied)			
		LE 4.4 Native Hedgerow With Trees			
		Hard Landscape Features (LE 7)			
		LE 7.4 Reinforced Earth Bund			
		Earthworks			
		Proposed Contours			

Order Limits	Planting (LE 2)	Individual Trees (LE 5)	Ecological Habitats (LE 8)	Noise (E 1)	Ecological (E 3)
Permanent Acquisition of Land	LE 2.1 Woodland	LE 5.1 Individual Trees	LE 8.1 Open Mosaic Habitat	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
Grassland (LE 1)	LE 2.11 Woodland With Non-Native Species	Wetland Habitats (LE 6)	LE 8.2 Ancient Woodland Compensation Planting	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 1.3 Species Rich Grassland	LE 2.14 Wet / Carr Woodland	LE 6.1 Water Bodies - Standing Water	LE 8.3 Woodland Mitigation Planting	Flood Compensation Areas (E 2-FCA)	E 3.2 Bat Barn Boxes
LE 1.31 Species Rich Chalk Grassland	LE 2.2 Woodland Edge	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape	LE 8.4 Wetland / Fenland Creation	Flood Defence (E 2-FD)	E 3.2 Bat Boxes
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)		E 3.2 Ecological Culvert
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 8.6 Acid Grassland Soil Salvage		E 3.2 Bat Barn Block
		Hedges (LE 4)			
		LE 4.3 Native Species Hedge (untrimmied)			
		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	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 12 SHEET 2		
Drawing Number	HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ-00003		



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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-ZR-00001).

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

Project: **LOWER THAMES CROSSING**

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.5
Scale	1:1250		
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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	LD	PS	MH
P02	S9	19/07/2023	Deadline 2	LD	SK	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

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

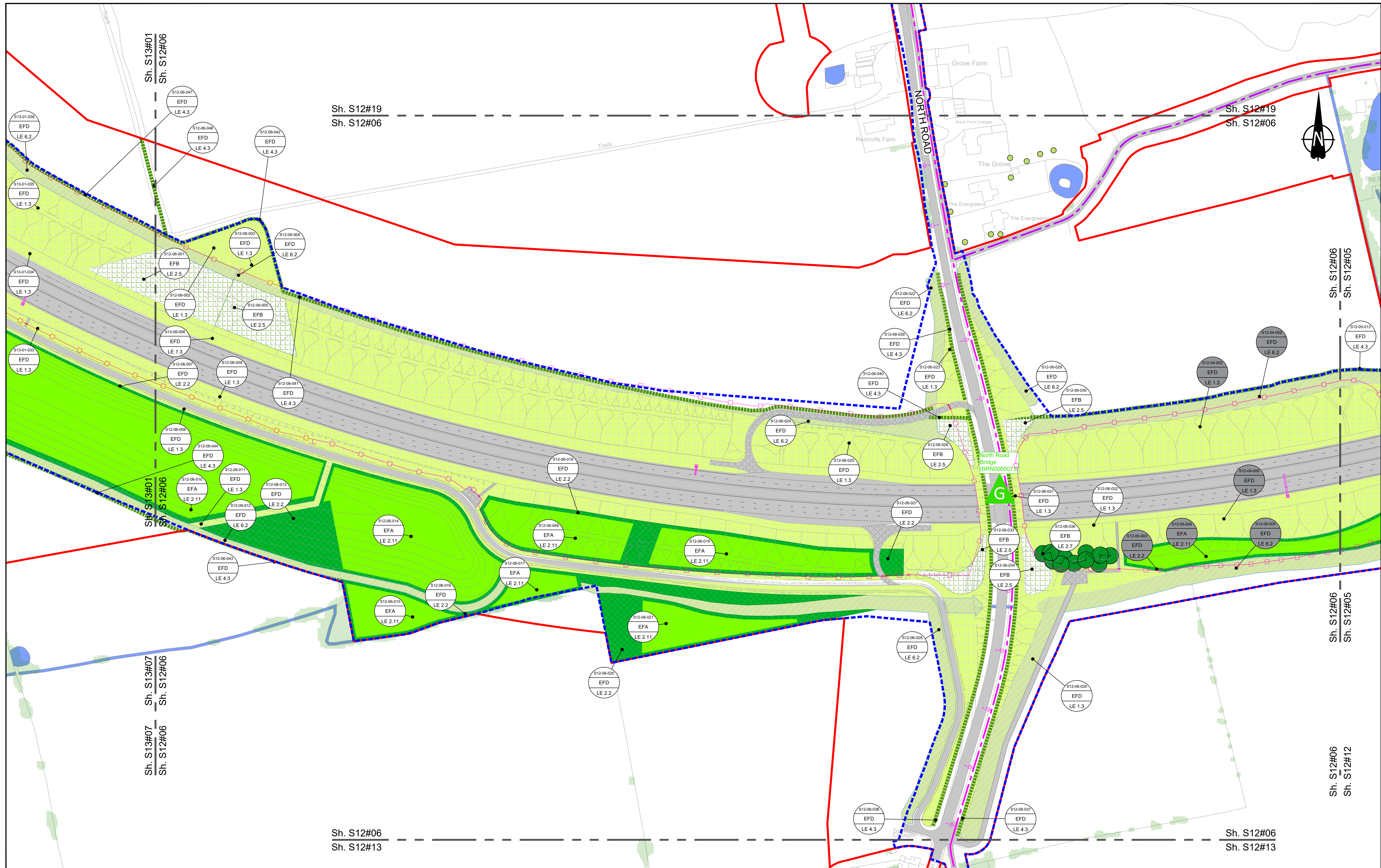
Order Limits Permanent Acquisition of Land	Planting (LE 2) LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species LE 2.14 Wet / Carr Woodland LE 2.2 Woodland Edge LE 2.22 Scrub Woodland LE 2.4 Linear Belt of Shrubs and Trees	LE 2.5 Shrubs With Intermittent Trees LE 2.7 Scattered Trees LE 2.8 Scrub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

Project: **LOWER THAMES CROSSING**

Status	PINS Submission	Original Size	A1	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:1250		
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 12 SHEET 5				
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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0 10 20 30 40 50 60 70 80 90 100 METRES

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

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

P01.5 SO 08/08/2022 LD

Rev	Status	Rev. Date	Purpose of revision	Drawn	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).

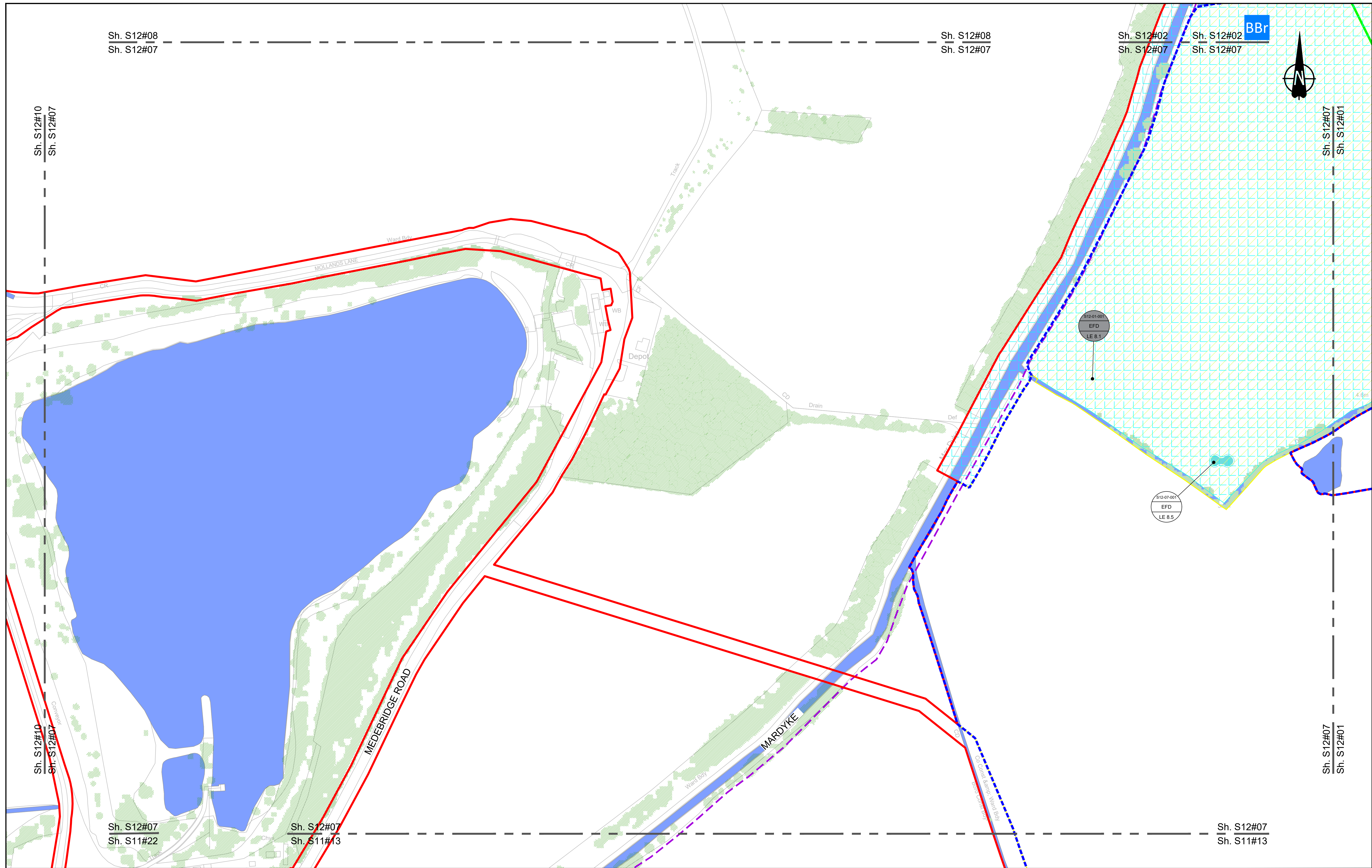
Grassland (LE 1)	Planting (LE 2)	Individual Trees (LE 5)	Ecological Habitats (LE 8)	Noise (E 1)	Ecological (E 3)
LE 1.3 Species Rich Grassland	LE 2.1 Woodland	LE 5.1 Individual Trees	LE 8.1 Open Mosaic Habitat	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
LE 1.31 Species Rich Chalk Grassland	LE 2.11 Woodland With Non-Native Species	LE 5.2 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)
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.14 Wet / Carr Woodland	LE 5.3 Wetland Habitats (LE 6)	LE 8.3 Woodland Mitigation Planting	E 2 Flood Compensation Areas (E 2-FCA)	E 3.2 Bat Boxes
LE 1.4 Rock and Scree	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
	LE 2.22 Scrub Woodland	LE 6.2 Water Bodies and Associated Plants - Shallow Scrape	LE 8.5 Ecology Pond (indicative symbol only)		
	LE 2.4 Linear Belt of Shrubs and Trees	LE 6.4 Hard Landscape Features (LE 7)	LE 8.6 Acid Grassland Soil Salvage		
		LE 7.4 Reinforced Earth Band			
		LE 7.5 Earthworks			
		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: ENVIRONMENTAL MASTERPLAN SECTION 12 SHEET 6		
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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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).

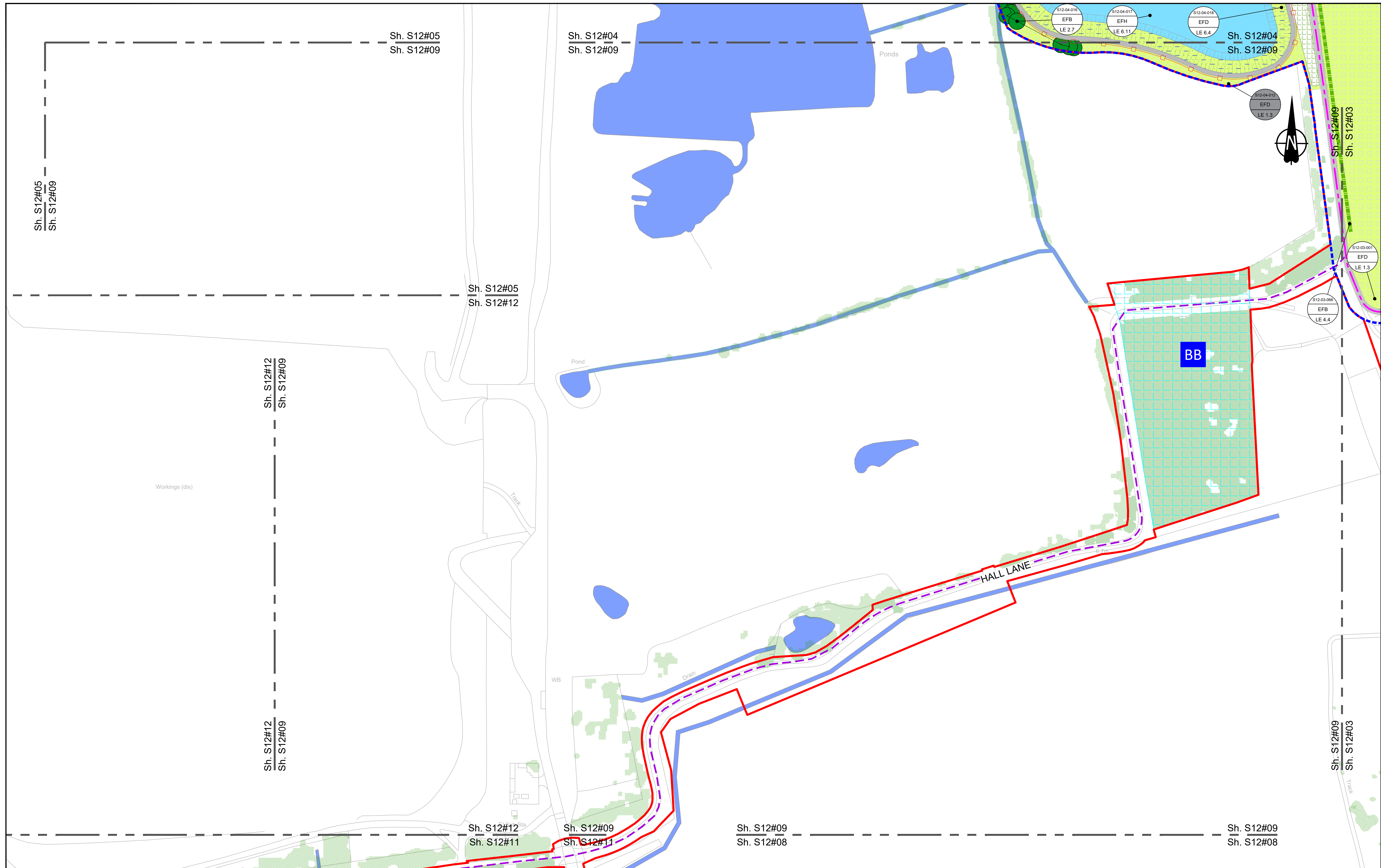
<p>Order Limits</p> <ul style="list-style-type: none"> Order Limits Permanent Acquisition of Land <p>Grassland (LE 1)</p> <ul style="list-style-type: none"> LE 1.3 Species Rich Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual Wildflower Grassland LE 1.4 Rock and Scree 	<p>Planting (LE 2)</p> <ul style="list-style-type: none"> LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species LE 2.14 Wet / Carr Woodland LE 2.2 Woodland Edge LE 2.22 Scrub Woodland LE 2.4 Linear Belt of Shrubs and Trees <p>LE 2.5 Shrubs With Intermittent Trees</p> <p>LE 2.7 Scattered Trees</p> <p>LE 2.8 Scrub / Scattered Scrub</p> <p>Hedges (LE 4)</p> <ul style="list-style-type: none"> LE 4.3 Native Species Hedge (untrimm'd) LE 4.4 Native Hedgerow With Trees 	<p>Individual Trees (LE 5)</p> <ul style="list-style-type: none"> LE 5.1 Individual Trees <p>Wetland Habitats (LE 6)</p> <ul style="list-style-type: none"> LE 6.11 Water Bodies - Standing Water LE 6.12 Water Bodies and Associated Plants - Shallow Scraps LE 6.2 Barks and Ditches LE 6.21 Banks and Ditches - High Tide Root Features <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>Earthworks</p> <ul style="list-style-type: none"> Proposed Contours 	<p>Ecological Habitats (LE 8)</p> <ul style="list-style-type: none"> LE 8.1 Open Mosaic Habitat LE 8.2 Ancient Woodland Compensation Planting LE 8.3 Woodland Mitigation Planting LE 8.4 Wetland / Farmland Creation LE 8.5 Ecology Pond (indicative symbol only) LE 8.6 Acid Grassland Soil Salvage 	<p>Noise (E 1)</p> <ul style="list-style-type: none"> LE 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence) <p>Water (E 2)</p> <ul style="list-style-type: none"> Flood Compensation Areas (E 2-FCA) Flood Defence (E 2-FD) 	<p>Ecological (E 3)</p> <ul style="list-style-type: none"> E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species E 3.2 Dormouse Boxes E 3.2 Bat Boxes E 3.2 Ecological Culvert E 3.2 Bat Barn Block 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	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.5
Scale	1:1250		
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 12 SHEET 7		
Drawing Number	HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ-00008		



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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>Order Limits</p> <ul style="list-style-type: none"> Permanent Acquisition of Land <p>Grassland (LE 1)</p> <ul style="list-style-type: none"> LE 1.3 Species Rich Chalk Grassland LE 1.31 Species Rich Annual Wildflower Grassland LE 1.4 Rock and Scree 	<p>Planting (LE 2)</p> <ul style="list-style-type: none"> LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species LE 2.14 Wet / Carr Woodland LE 2.2 Woodland Edge LE 2.22 Scrub Woodland LE 2.4 Linear Belt of Shrubs and Trees <p>Hedges (LE 4)</p> <ul style="list-style-type: none"> LE 4.3 Native Species Hedge (untrimmed) LE 4.4 Native Hedgerow With Trees 	<p>Individual Trees (LE 5)</p> <ul style="list-style-type: none"> LE 5.1 Individual Trees <p>Wetland Habitats (LE 6)</p> <ul style="list-style-type: none"> LE 6.11 Water Bodies - Standing Water LE 6.12 Water Bodies and Associated Plants - Shallow Scrape LE 6.2 Barks and Ditches LE 6.21 Banks and Ditches - High Tide Root Features 	<p>Wet Grassland</p> <ul style="list-style-type: none"> LE 6.4 Wet Grassland <p>Marsh and Wet Grassland - Coastal Grazing Marsh</p> <ul style="list-style-type: none"> LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh <p>Hard Landscape Features (LE 7)</p> <ul style="list-style-type: none"> LE 7.4 Reinforced Earth Bund <p>Earthworks</p> <ul style="list-style-type: none"> Proposed Contours 	<p>Ecological Habitats (LE 8)</p> <ul style="list-style-type: none"> LE 8.1 Open Mosaic Habitat LE 8.2 Ancient Woodland Compensation Planting LE 8.3 Woodland Mitigation Planting LE 8.4 Wetland / Farmland Creation LE 8.5 Ecology Pond (indicative symbol only) LE 8.6 Acid Grassland Soil Salvage 	<p>Noise (E 1)</p> <ul style="list-style-type: none"> E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence) <p>Water (E 2)</p> <ul style="list-style-type: none"> Flood Compensation Areas (E 2-FCA) Flood Defence (E 2-FD) 	<p>Ecological (E 3)</p> <ul style="list-style-type: none"> E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species E 3.2 Dormouse Boxes E 3.2 Bat Boxes E 3.2 Ecological Culvert E 3.2 Bat Barn Block <p>E 3.2 Barn Owl Box</p> <ul style="list-style-type: none"> E 3.2 Ecological Fencing (inc. highway boundary fence)
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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		
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Drawing Number	HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ-00010		

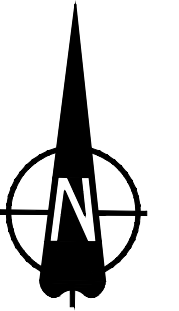
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Sh. S12#10

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Sh. S12#10

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Sh. S12#10

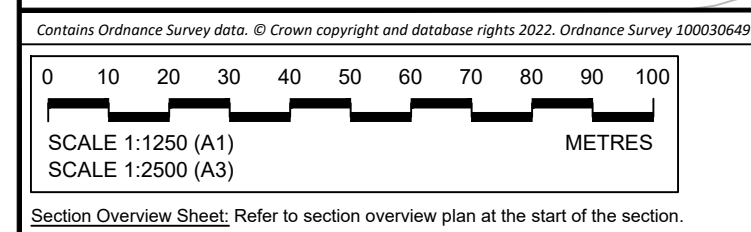


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Sh. S12#10
Sh. S11#22



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).

Order Limits	Planting (LE 2)	Individual Trees (LE 5)
Order Limits	LE 2.1 Woodland	LE 5.1 Individual Trees
Permanent Acquisition of Land	LE 2.11 Woodland With Non-Native Species	Wetland Habitats (LE 6)
Grassland (LE 1)	LE 2.14 Wet / Carr Woodland	LE 6.1 Water Bodies - Standing Water
LE 1.3 Species Rich Grassland	LE 2.2 Woodland Edge	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape
LE 1.31 Species Rich Chalk Grassland	LE 2.22 Scrub Woodland	LE 6.2 Barks and Ditches
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.4 Linear Belt of Shrubs and Trees	LE 6.21 Banks and Ditches - High Tide Root Features
LE 1.4 Rock and Scree		Hard Landscape Features (LE 7)
		LE 7.4 Reinforced Earth Bund
		Earthworks
		Proposed Contours

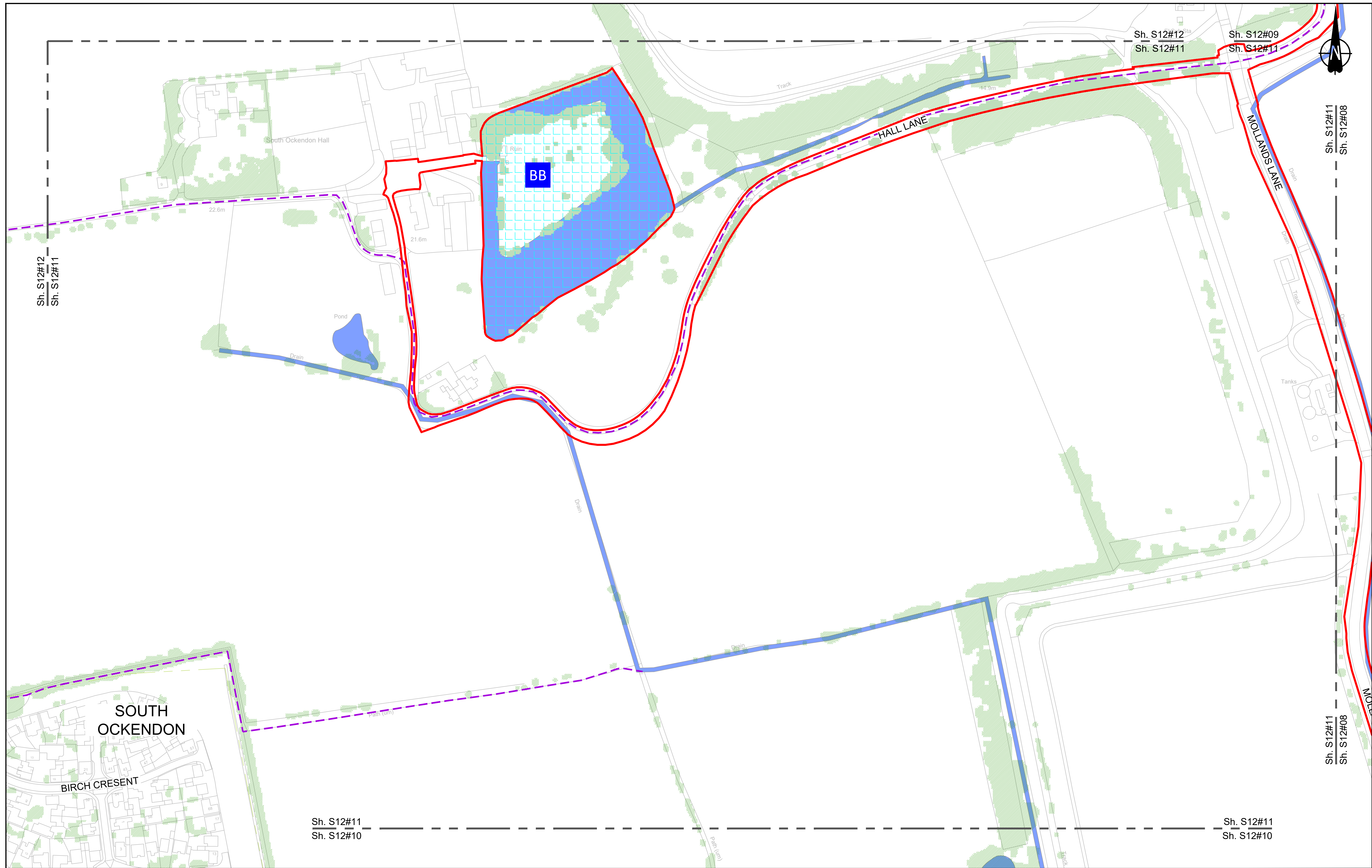
Ecological Habitats (LE 8)	Noise (E 1)	Water (E 2)
LE 8.1 Open Mosaic Habitat	LE 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	Flood Compensation Areas (E 2-FCA)
LE 8.2 Ancient Woodland Compensation Planting		Flood Defence (E 2-FD)
LE 8.3 Woodland Mitigation Planting		
LE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

Ecological (E 3)	E 3.2 Ecological Fencing (inc. highway boundary fence)
E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species	E 3.2 Ecological Fencing (inc. highway boundary fence)
E 3.2 Dormouse Boxes	E 3.2 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: P01.6
Application Document Number: TR010032/APP/6.2	Scale: 1:1250	
Drawing title: ENVIRONMENTAL MASTERPLAN SECTION 12 SHEET 10		
Drawing Number: HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ-00011		



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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 SO 08/08/2022 LD

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

Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-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)
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	LE 8.1 Open Mosaic Habitat	LE 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	LE 2.1 Nitrogen Deposition (NDEP) Compensation Area	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 5.2 Scattered Trees	LE 6.2 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 7.5 Wet Grassland	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)	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.14 Wet / Carr Woodland	LE 5.3 Scattered Trees	LE 6.3 Water Bodies and Associated Plants - Shallow Scrape	LE 7.6 Reinforced Earth Band	LE 8.3 Woodland Mitigation Planting	E 2.1 Flood Compensation Areas (E 2-FCA)	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 2.2 Woodland Edge	LE 5.4 Native Species Hedge (untrimm'd)	LE 6.4 Barks and Ditches	LE 7.7 Proposed Contours	LE 8.4 Wetland / Farmland Creation	E 2.2 Flood Defence (E 2-FD)	E 3.2 Ecological Culvert	E 3.2 Ecological Culvert
	LE 2.22 Scrub Woodland	LE 5.5 Native Hedgerow With Trees	LE 6.5 High Tide Root Features		LE 8.5 Ecology Pond (indicative symbol only)		E 3.2 Ecological Culvert	E 3.2 Ecological Culvert
	LE 2.4 Linear Belt of Shrubs and Trees				LE 8.6 Acid Grassland Soil Salvage		E 3.2 Ecological Culvert	E 3.2 Ecological Culvert

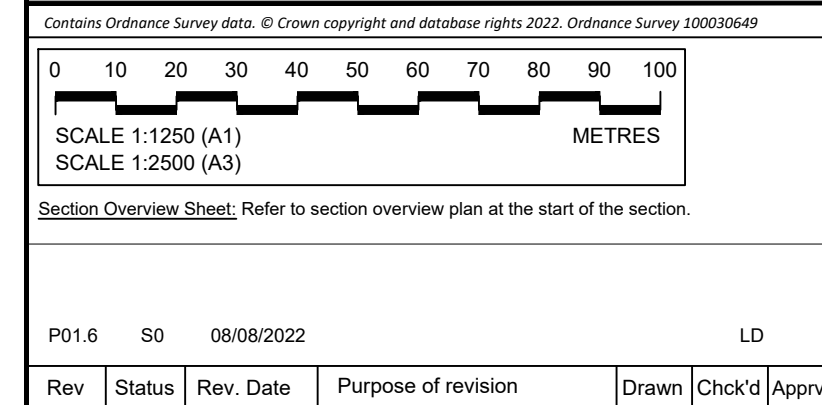
Client: **national highways**

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 12 SHEET 11		
Drawing Number	HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ-00012		

Scale: 1:1250

HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ-00012.dwg



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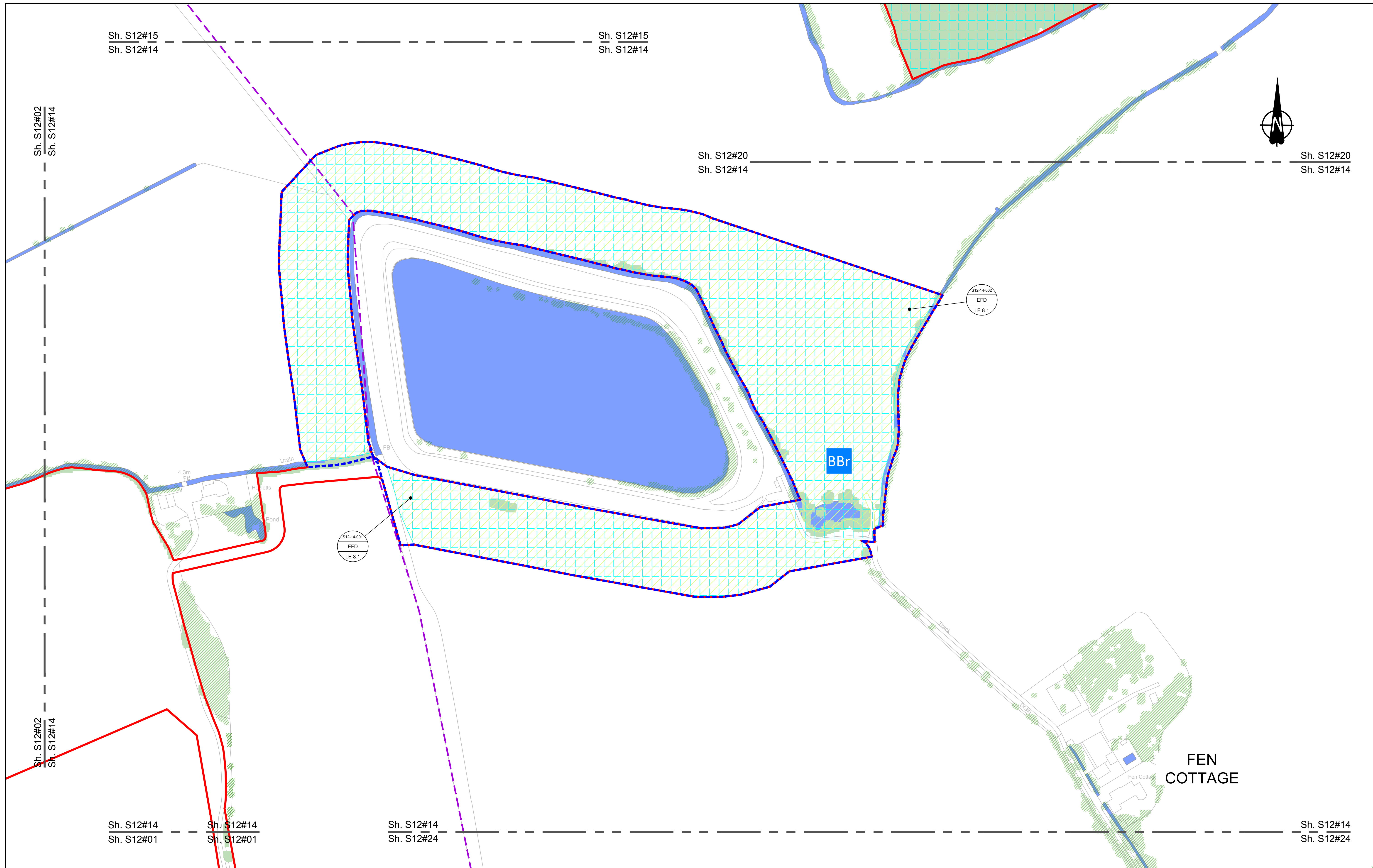
Order Limits Permanent Acquisition of Land	Grassland (LE 1) LE 1.3 Species Rich Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual Wildflower Grassland LE 1.4 Rock and Scree	Planting (LE 2) LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species LE 2.14 Wet / Carr Woodland LE 2.2 Woodland Edge LE 2.22 Scrub Woodland LE 2.4 Linear Belt of Shrubs and Trees	Individual Trees (LE 5) LE 5.1 Individual Trees	Wetland Habitats (LE 6) 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 Root Features	Wetland Habitats (LE 6) LE 6.4 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh LE 6.42 Marsh and Wet Grassland - Coastal Grazing Marsh	Hard Landscape Features (LE 7) LE 7.4 Reinforced Earth Bund Earthworks Proposed Contours	Ecological Habitats (LE 8) LE 8.1 Open Mosaic Habitat LE 8.2 Ancient Woodland Compensation Planting LE 8.3 Woodland Mitigation Planting LE 8.4 Wetland / Farmland Creation LE 8.5 Ecology Pond (indicative symbol only) LE 8.6 Acid Grassland Soil Salvage	Noise (E 1) LE 8.7 Nitrogen Deposition (NDEP) Compensation Area E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence) Water (E 2) Flood Compensation Areas (E 2-FCA) Flood Defence (E 2-FD)	Ecological (E 3) E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species E 3.2 Dormouse Boxes E 3.2 Bat Boxes E 3.2 Ecological Culvert E 3.2 Ecological Fencing (inc. highway boundary fence) 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

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 12				
Drawing Number	HE540039-CJV-EGN-S12_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.

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

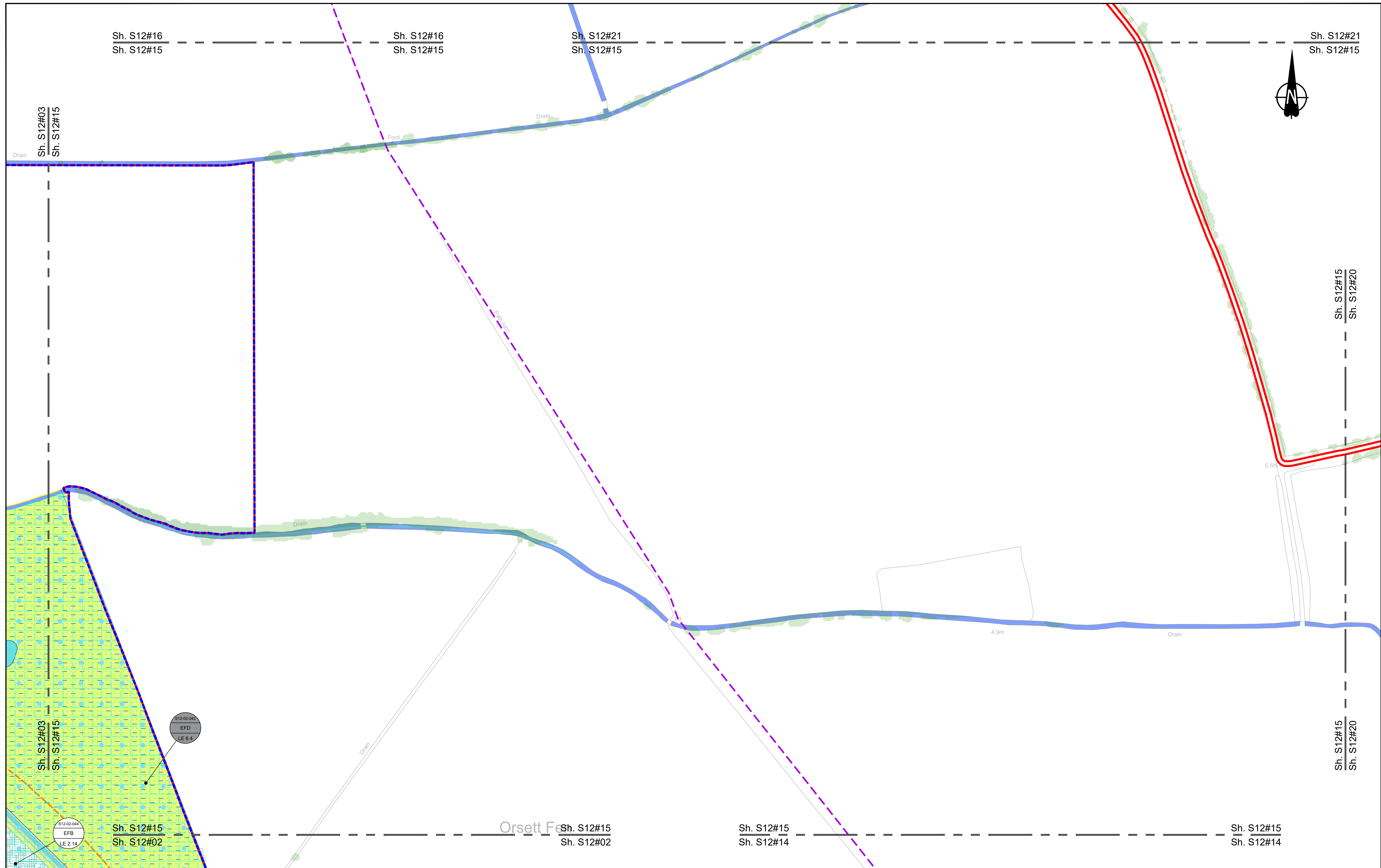
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<p>Order Limits</p> <p>Permanent Acquisition of Land</p> <p>Grassland (LE 1)</p> <p>LE 1.3 Species Rich Grassland</p> <p>LE 1.31 Species Rich Chalk Grassland</p> <p>LE 1.32 Species Rich Annual Wildflower Grassland</p> <p>LE 1.4 Rock and Scree</p>	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

Project: **LOWER THAMES CROSSING**

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.5
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)
METRES

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).

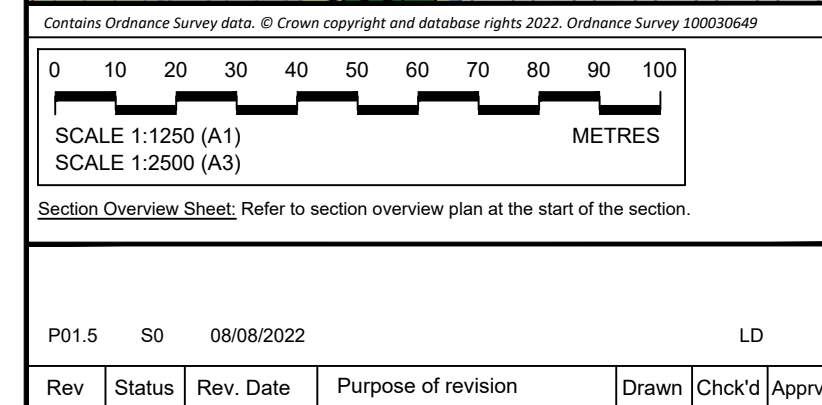
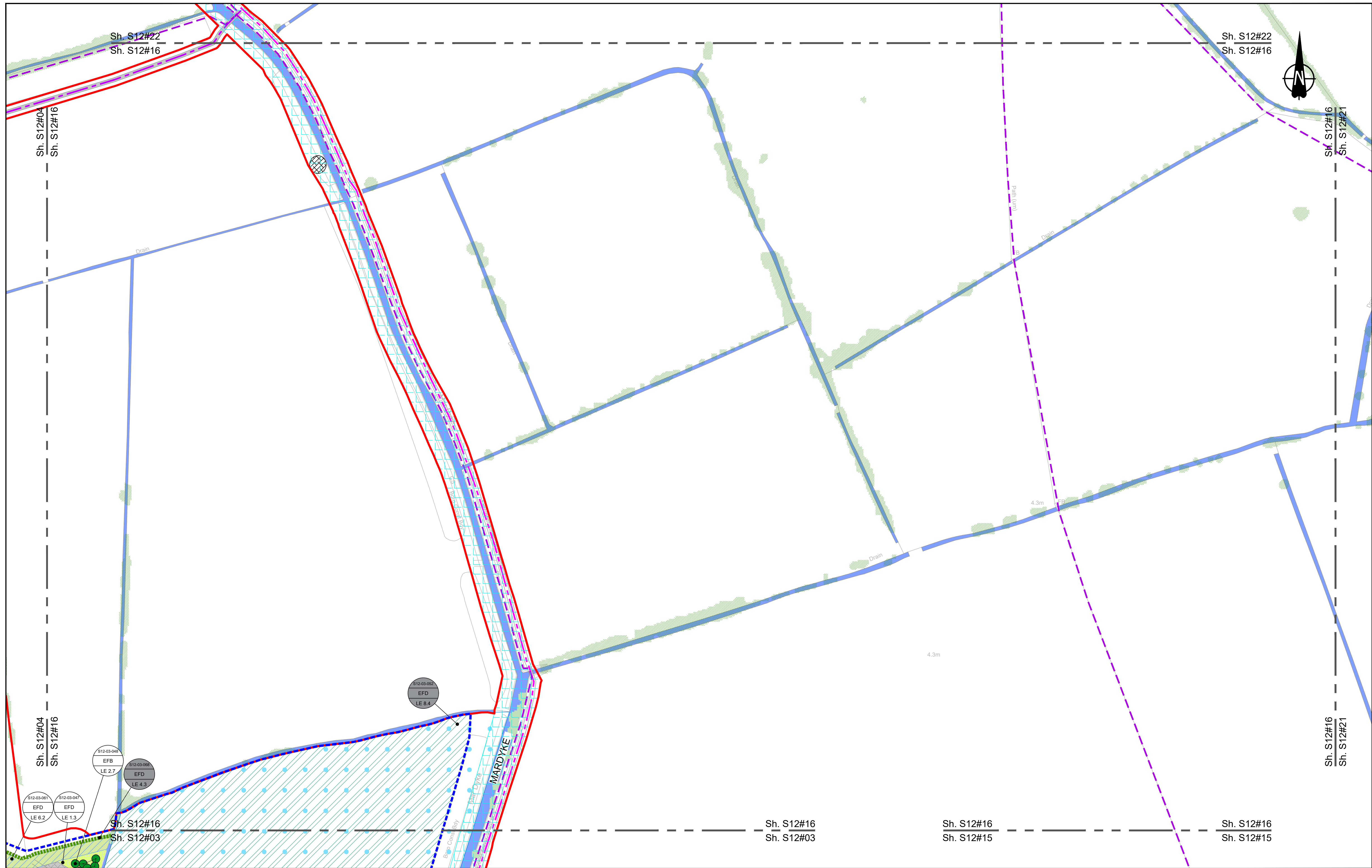
Grassland (LE 1)	Planting (LE 2)	Individual Trees (LE 5)	Ecological Habitats (LE 8)	Noise (E 1)	Water (E 2)
LE 1.3 Species Rich Grassland	LE 2.1 Woodland	LE 5.1 Individual Trees	LE 8.1 Open Mosaic Habitat	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	LE 2.5 Shrubs With Intermittent Trees
LE 1.31 Species Rich Chalk Grassland	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)	LE 2.7 Scattered Trees
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.14 Wet / Carr Woodland	LE 5.3 Wetland Habitats (LE 6)	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 6.1 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 8.4 Wetland / Farmland Creation	Flood Defence (E 2-FD)	Hedges (LE 4)
	LE 2.22 Scrub Woodland	LE 6.2 Barks and Ditches	LE 8.5 Ecology Pond (indicative symbol only)	E 2.2 Ecological Culvert	LE 4.3 Native Species Hedge (untrimmed)
	LE 2.4 Linear Belt of Shrubs and Trees	LE 6.21 Banks and Ditches - High Tide Root Features	LE 8.6 Acid Grassland Soil Salvage	E 3.2 Ecological Fencing (inc. highway boundary fence)	LE 4.4 Native Hedgerow With Trees
				E 3.2 Bat Boxes	
				E 3.2 Bat Barn Block	
				E 3.2 Bat Barn Block	

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 15		
Drawing Number	HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ-00016		
Scale	1:1250		



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)	LE 2.5 Shrubs With Intermittent Trees	Individual Trees (LE 5)
Permanent Acquisition of Land	LE 2.1 Woodland	LE 2.7 Scattered Trees	LE 5.1 Individual Trees
Grassland (LE 1)	LE 2.11 Woodland With Non-Native Species	LE 2.8 Scrub / Scattered Scrub	Wetland Habitats (LE 6)
LE 1.3 Species Rich Grassland	LE 2.14 Wet / Carr Woodland	LE 4.3 Native Species Hedge (untrimmed)	LE 6.1 Water Bodies - Standing Water
LE 1.31 Species Rich Chalk Grassland	LE 2.2 Woodland Edge	LE 4.4 Native Hedgerow With Trees	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.22 Scrub Woodland	LE 2.4 Linear Belt of Shrubs and Trees	LE 6.2 Banks and Ditches
LE 1.4 Rock and Scree			LE 6.21 Banks and Ditches - High Tide Root Features

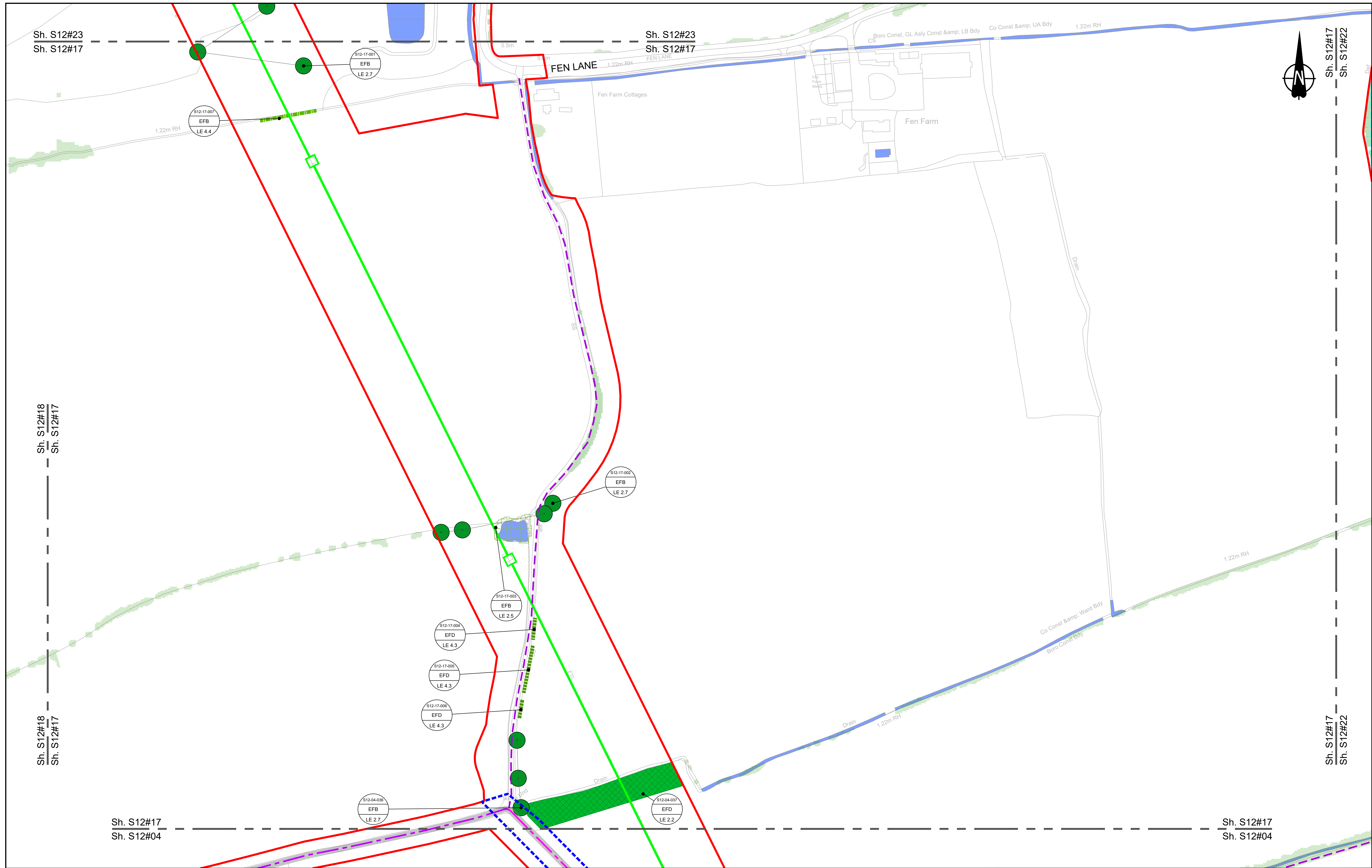
LE 6.4 Wet Grassland	Ecological Habitats (LE 8)
LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 8.1 Open Mosaic Habitat
Hard Landscape Features (LE 7)	LE 8.2 Ancient Woodland Compensation Planting
LE 7.4 Reinforced Earth Bund	LE 8.3 Woodland Mitigation Planting
Earthworks	LE 8.4 Wetland / Farmland Creation
Proposed Contours	LE 8.5 Ecology Pond (indicative symbol only)
	LE 8.6 Acid Grassland Soil Salvage

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

Client: national highways

Project: LOWER THAMES CROSSING

Status: Initial Status or WIP	Original Size: A1	Revision: P01.5
Application Document Number: TR010032/APP/6.2	Scale: 1:1250	
Drawing title: ENVIRONMENTAL MASTERPLAN SECTION 12 SHEET 16		
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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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).

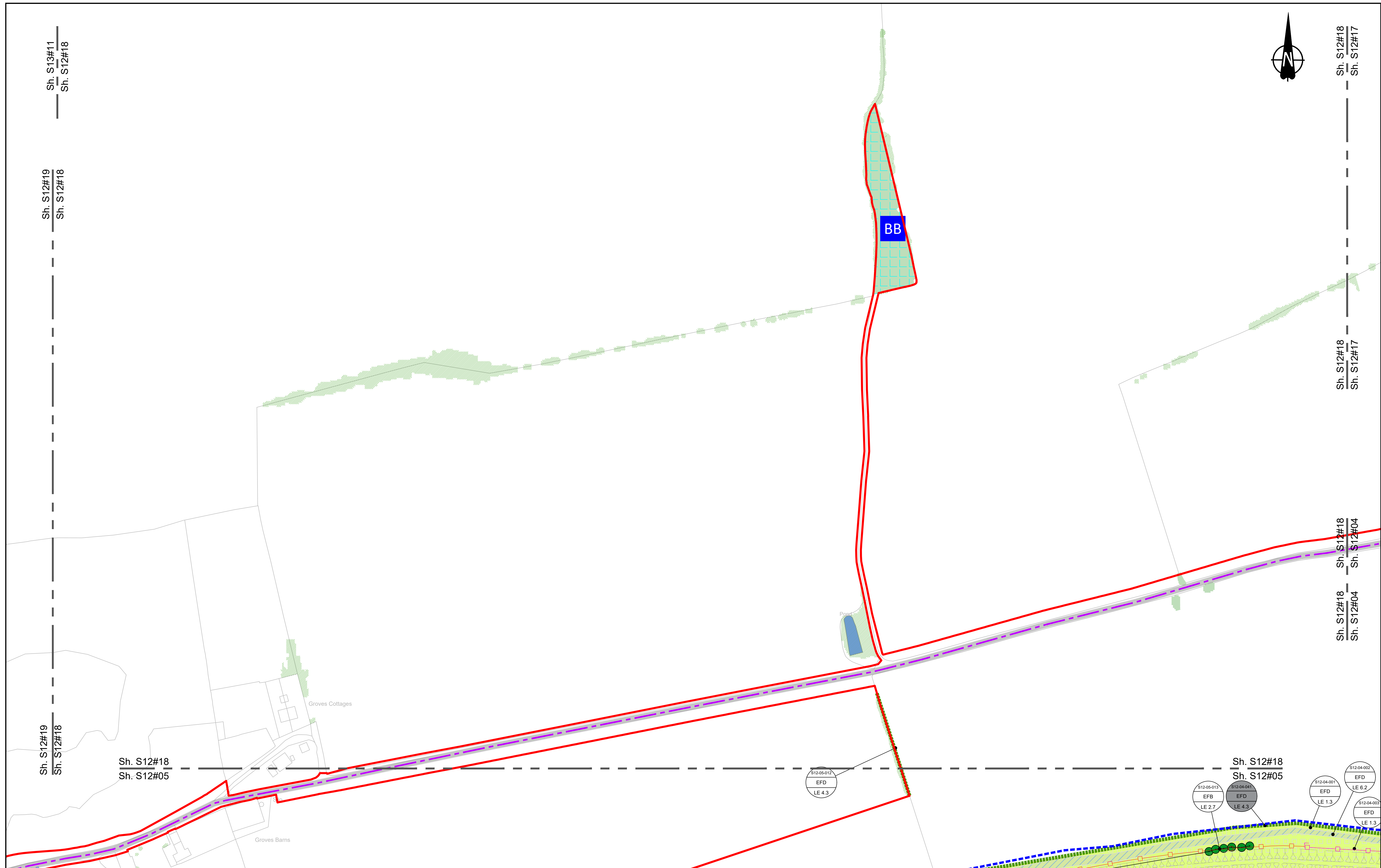
<p>Order Limits</p> <ul style="list-style-type: none"> Permanent Acquisition of Land <p>Grassland (LE 1)</p> <ul style="list-style-type: none"> LE 1.3 Species Rich Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual Wildflower Grassland LE 1.4 Rock and Scree 	<p>Planting (LE 2)</p> <ul style="list-style-type: none"> LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species LE 2.14 Wet / Carr Woodland LE 2.2 Woodland Edge LE 2.22 Scrub Woodland LE 2.4 Linear Belt of Shrubs and Trees <p>Hedges (LE 4)</p> <ul style="list-style-type: none"> LE 4.3 Native Species Hedge (untrimmed) LE 4.4 Native Hedgerow With Trees 	<p>Individual Trees (LE 5)</p> <ul style="list-style-type: none"> LE 5.1 Individual Trees <p>Wetland Habitats (LE 6)</p> <ul style="list-style-type: none"> LE 6.11 Water Bodies - Standing Water LE 6.12 Water Bodies and Associated Plants - Shallow Scrape LE 6.2 Banks and Ditches LE 6.21 Banks and Ditches - High Tide Root Features 	<p>Ecological Habitats (LE 8)</p> <ul style="list-style-type: none"> LE 8.1 Open Mosaic Habitat LE 8.2 Ancient Woodland Compensation Planting LE 8.3 Woodland Mitigation Planting LE 8.4 Wetland / Fenland Creation LE 8.5 Ecology Pond (indicative symbol only) LE 8.6 Acid Grassland Soil Salvage <p>Hard Landscape Features (LE 7)</p> <ul style="list-style-type: none"> LE 6.4 Marsh and Wet Grassland - Coastal Grazing Marsh LE 7.4 Reinforced Earth Bund <p>Earthworks</p> <ul style="list-style-type: none"> Proposed Contours 	<p>Noise (E 1)</p> <ul style="list-style-type: none"> LE 8.7 Nitrogen Deposition (NDEP) Compensation Area E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence) <p>Water (E 2)</p> <ul style="list-style-type: none"> Flood Compensation Areas (E 2-FCA) Flood Defence (E 2-FD) 	<p>Ecological (E 3)</p> <ul style="list-style-type: none"> E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species E 3.2 Dormouse Boxes E 3.2 Bat Boxes E 3.2 Ecological Culvert E 3.2 Ecological Fencing (inc. highway boundary fence) E 3.2 Bat Barn Block
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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.

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

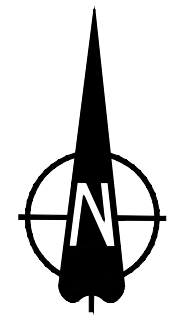
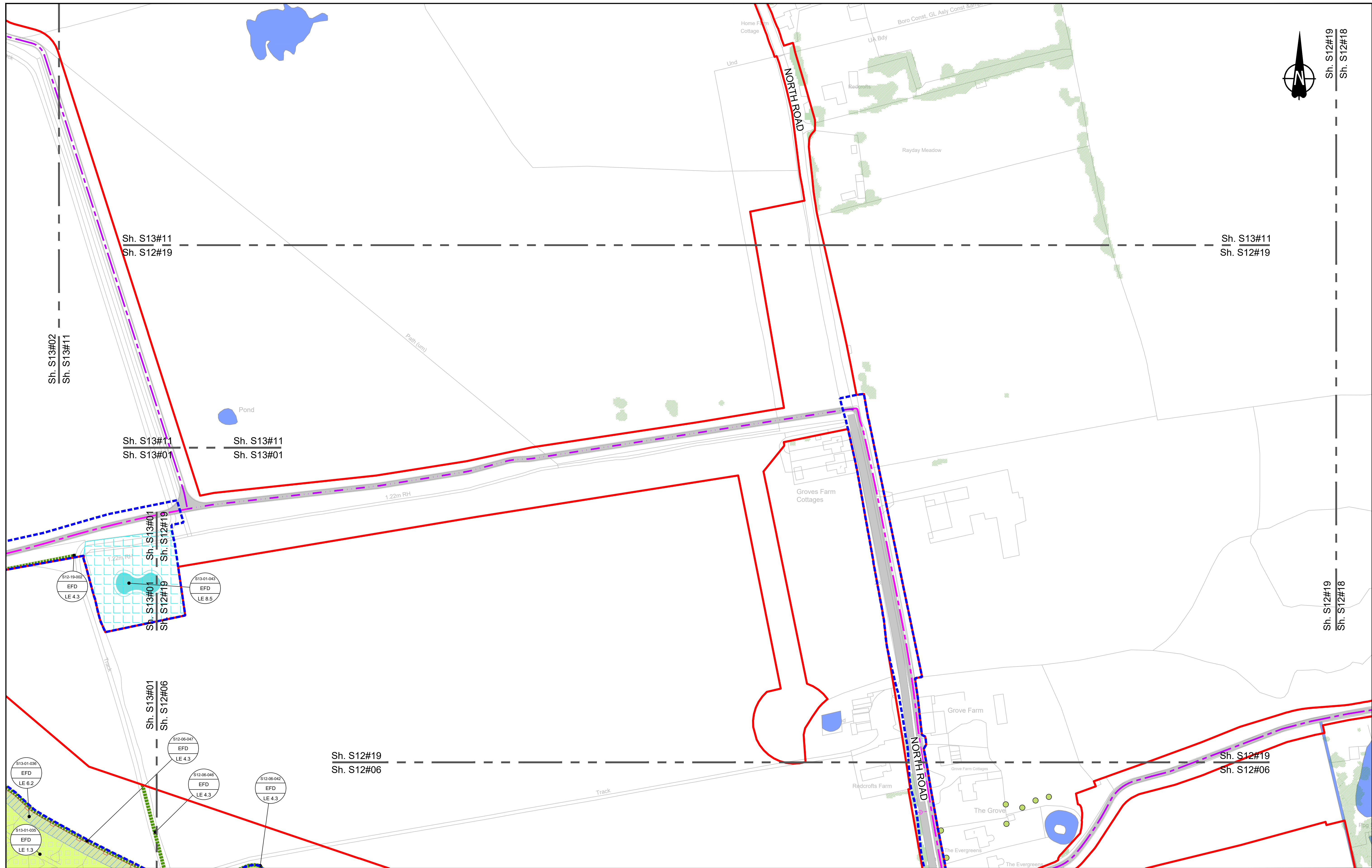
Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZ2_EN000000_Z-DR-ZZ-00001).

<p>Order Limits</p> <ul style="list-style-type: none"> Order Limits Permanent Acquisition of Land <p>Grassland (LE 1)</p> <ul style="list-style-type: none"> LE 1.3 Species Rich Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual Wildflower Grassland LE 1.4 Rock and Scree 	<p>Planting (LE 2)</p> <ul style="list-style-type: none"> LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species LE 2.14 Wet / Carr Woodland LE 2.2 Woodland Edge LE 2.22 Scrub Woodland LE 2.4 Linear Belt of Shrubs and Trees <p>Hedges (LE 4)</p> <ul style="list-style-type: none"> LE 4.3 Native Species Hedge (untrimmied) LE 4.4 Native Hedgerow With Trees 	<p>Individual Trees (LE 5)</p> <ul style="list-style-type: none"> LE 5.1 Individual Trees <p>Wetland Habitats (LE 6)</p> <ul style="list-style-type: none"> LE 6.11 Water Bodies - Standing Water LE 6.12 Water Bodies and Associated Plants - Shallow Scrape LE 6.2 Banks and Ditches LE 6.21 Banks and Ditches - High Tide Roost Features 	<p>Wetland Habitats (LE 6)</p> <ul style="list-style-type: none"> LE 6.4 Marsh and Wet Grassland - Coastal Grazing Marsh <p>Hard Landscape Features (LE 7)</p> <ul style="list-style-type: none"> LE 7.4 Reinforced Earth Bund <p>Earthworks</p> <ul style="list-style-type: none"> Proposed Contours 	<p>Ecological Habitats (LE 8)</p> <ul style="list-style-type: none"> LE 8.1 Open Mosaic Habitat LE 8.2 Ancient Woodland Compensation Planting LE 8.3 Woodland Mitigation Planting LE 8.4 Wetland / Fenland Creation LE 8.5 Ecology Pond (indicative symbol only) LE 8.6 Acid Grassland Soil Salvage 	<p>Noise (E 1)</p> <ul style="list-style-type: none"> E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence) <p>Water (E 2)</p> <ul style="list-style-type: none"> Flood Compensation Areas (E 2-FCA) Flood Defence (E 2-FD) 	<p>Ecological (E 3)</p> <ul style="list-style-type: none"> E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species E 3.2 Dormouse Boxes E 3.2 Bat Boxes E 3.2 Ecological Culvert E 3.2 Bat Barn Block E 3.2 Ecological Fencing (inc. highway boundary fence) E 3.2 Barn Owl Box
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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 12 SHEET 18		
Drawing Number	HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ-00019		
Scale	1:1250		



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Sh. S13#11
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Sh. S12#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
P01.5	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	Planting (LE 2)	Individual Trees (LE 5)
Permanent Acquisition of Land	LE 2.1 Woodland	LE 5.1 Individual Trees
Grassland (LE 1)	LE 2.11 Woodland With Non-Native Species	Wetland Habitats (LE 6)
LE 1.3 Species Rich Grassland	LE 2.14 Wet / Carr Woodland	LE 6.1 Water Bodies - Standing Water
LE 1.31 Species Rich Chalk Grassland	LE 2.2 Woodland Edge	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.22 Scrub Woodland	LE 6.2 Banks and Ditches
LE 1.4 Rock and Scree	LE 2.4 Linear Belt of Shrubs and Trees	LE 6.21 Banks and Ditches - High Tide Root Features
LE 2.5 Shrubs With Intermittent Trees	Hedges (LE 4)	Hard Landscape Features (LE 7)
LE 2.7 Scattered Trees	LE 4.3 Native Species Hedge (untrimmed)	LE 7.4 Reinforced Earth Bund
LE 2.8 Scrub / Scattered Scrub	LE 4.4 Native Hedgerow With Trees	Earthworks
Wetland Habitats (LE 6)		Proposed Contours
LE 6.4 Marsh and Wet Grassland - Coastal Grazing Marsh		

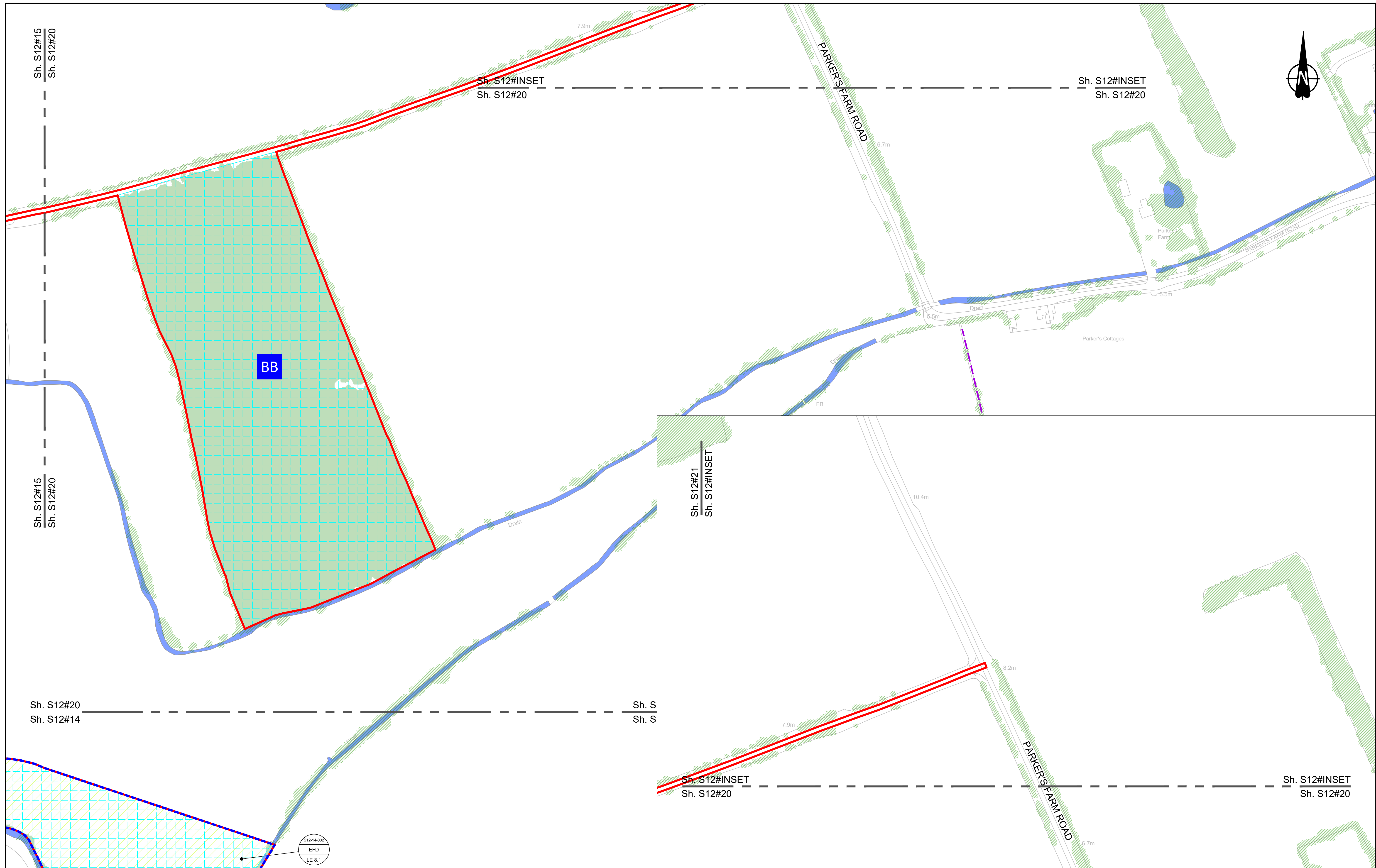
Ecological Habitats (LE 8)	Noise (E 1)	Ecological (E 3)
LE 8.1 Open Mosaic Habitat	E 1.2 Acoustic Barrier - Built Elements (typically inc. highway boundary fence)	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
LE 8.2 Ancient Woodland Compensation Planting	E 1.2.1 Acoustic Barrier - Built Elements (typically inc. highway boundary fence)	E 3.2.1 Ecological Fencing (inc. highway boundary fence)
LE 8.3 Woodland Mitigation Planting	E 1.2.2 Acoustic Barrier - Built Elements (typically inc. highway boundary fence)	E 3.2.2 Bat Boxes
LE 8.4 Wetland / Farmland Creation	E 1.2.3 Acoustic Barrier - Built Elements (typically inc. highway boundary fence)	E 3.2.3 Bat Boxes
LE 8.5 Ecology Pond (indicative symbol only)	E 1.2.4 Acoustic Barrier - Built Elements (typically inc. highway boundary fence)	E 3.2.4 Ecological Culvert
LE 8.6 Acid Grassland Soil Salvage	E 1.2.5 Acoustic Barrier - Built Elements (typically inc. highway boundary fence)	E 3.2.5 Bat Barn Block

Water (E 2)	Ecological (E 3)
LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
E 2.1 Flood Compensation Areas (E 2-FCA)	E 3.2.1 Ecological Fencing (inc. highway boundary fence)
E 2.2 Flood Defence (E 2-FD)	E 3.2.2 Bat Boxes
	E 3.2.3 Bat Boxes
	E 3.2.4 Ecological Culvert
	E 3.2.5 Bat Barn Block

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 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	SO	08/08/2022				LD

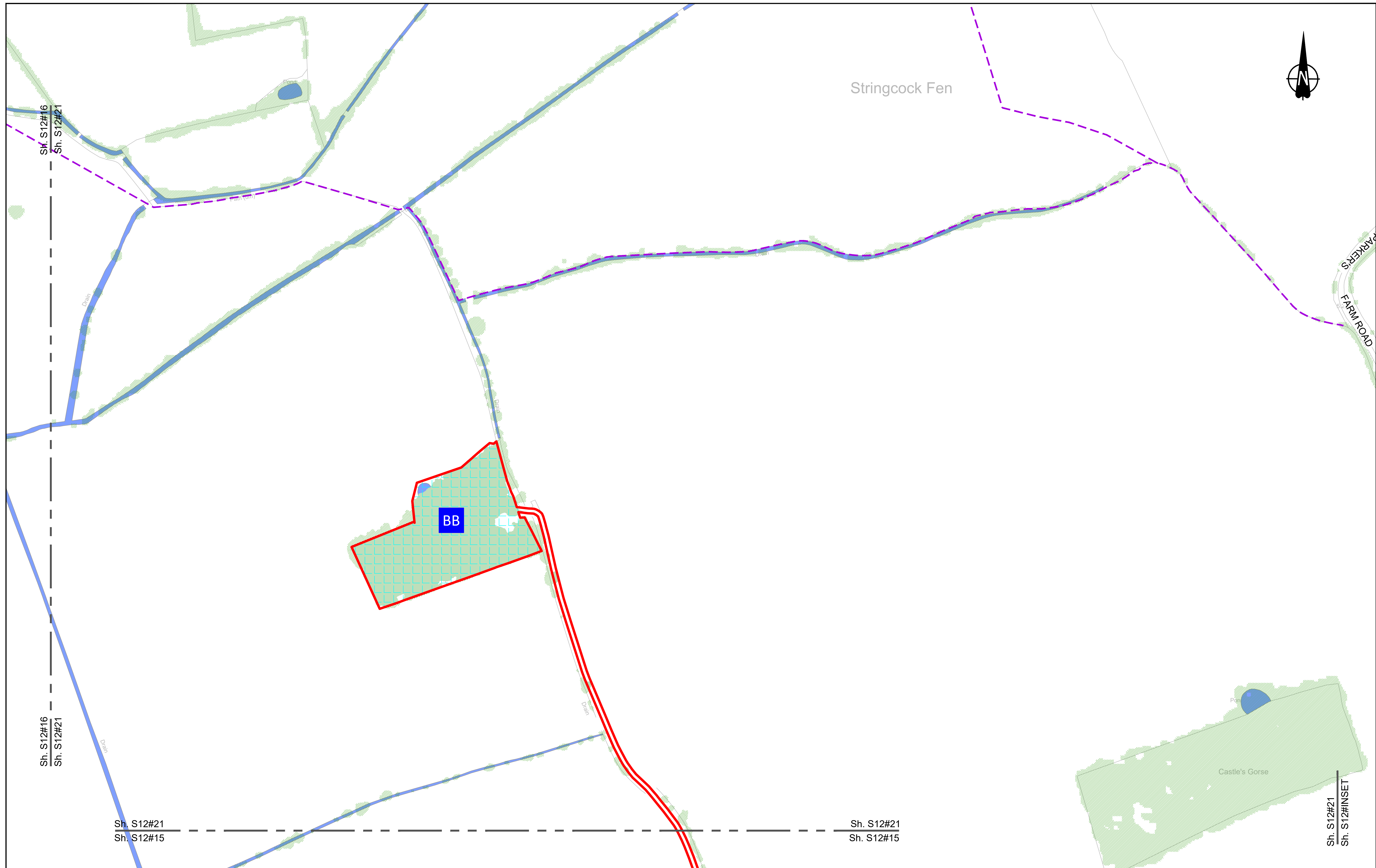
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<p>Order Limits</p> <ul style="list-style-type: none"> Permanent Acquisition of Land <p>Grassland (LE 1)</p> <ul style="list-style-type: none"> LE 1.3 Species Rich Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual Wildflower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

Project: **LOWER THAMES CROSSING**

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



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

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>Order Limits</p> <ul style="list-style-type: none"> Permanent Acquisition of Land <p>Grassland (LE 1)</p> <ul style="list-style-type: none"> LE 1.3 Species Rich Grassland LE 1.31 Species Rich Chalk Grassland LE 1.32 Species Rich Annual Wildflower Grassland LE 1.4 Rock and Scree 	<p>Planting (LE 2)</p> <ul style="list-style-type: none"> LE 2.1 Woodland LE 2.11 Woodland With Non-Native Species LE 2.14 Wet / Carr Woodland LE 2.2 Woodland Edge LE 2.22 Scrub Woodland LE 2.4 Linear Belt of Shrubs and Trees <p>Hedges (LE 4)</p> <ul style="list-style-type: none"> LE 4.3 Native Species Hedge (untrimm'd) LE 4.4 Native Hedgerow With Trees 	<p>Individual Trees (LE 5)</p> <ul style="list-style-type: none"> LE 5.1 Individual Trees <p>Wetland Habitats (LE 6)</p> <ul style="list-style-type: none"> LE 6.11 Water Bodies - Standing Water LE 6.12 Water Bodies and Associated Plants - Shallow Scrape LE 6.2 Barks and Ditches LE 6.21 Banks and Ditches - High Tide Root Features 	<p>Wet Grassland</p> <ul style="list-style-type: none"> LE 6.4 Wet Grassland <p>Marsh and Wet Grassland - Coastal Grazing Marsh</p> <ul style="list-style-type: none"> LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh <p>Hard Landscape Features (LE 7)</p> <ul style="list-style-type: none"> LE 7.4 Reinforced Earth Bund <p>Earthworks</p> <ul style="list-style-type: none"> Proposed Contours 	<p>Ecological Habitats (LE 8)</p> <ul style="list-style-type: none"> LE 8.1 Open Mosaic Habitat LE 8.2 Ancient Woodland Compensation Planting LE 8.3 Woodland Mitigation Planting LE 8.4 Wetland / Farmland Creation LE 8.5 Ecology Pond (indicative symbol only) LE 8.6 Acid Grassland Soil Salvage 	<p>Noise (E 1)</p> <ul style="list-style-type: none"> LE 8.7 Nitrogen Deposition (NDEP) Compensation Area E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence) <p>Water (E 2)</p> <ul style="list-style-type: none"> Flood Compensation Areas (E 2-FCA) Flood Defence (E 2-FD) 	<p>Ecological (E 3)</p> <ul style="list-style-type: none"> E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species E 3.2 Dormouse Boxes E 3.2 Bat Boxes E 3.2 Ecological Culvert E 3.2 Bat Barn Block 	<ul style="list-style-type: none"> E 3.2 Barn Owl Box E 3.2 Ecological Fencing (inc. highway boundary fence)
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Client

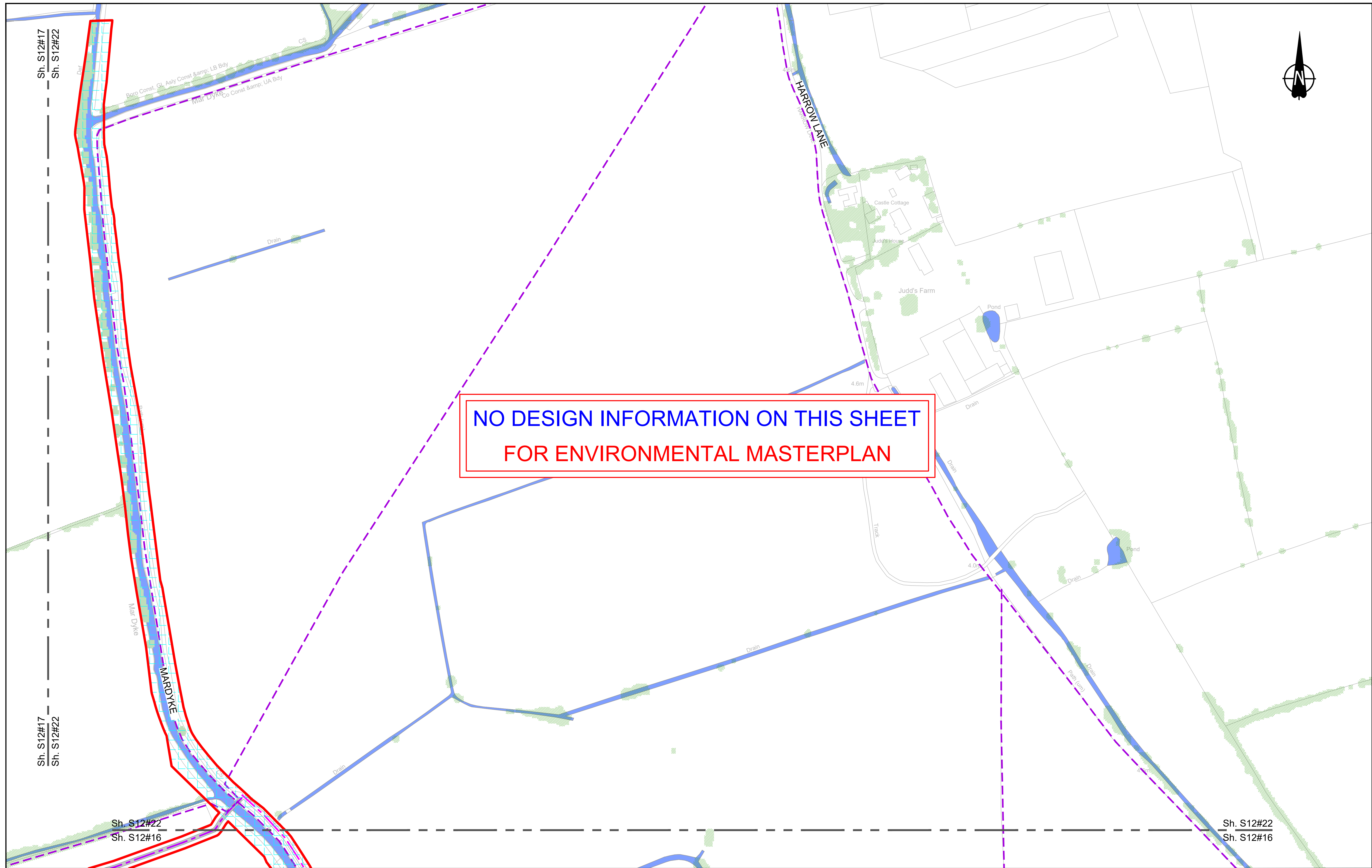
Project

LOWER THAMES CROSSING

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.6
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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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

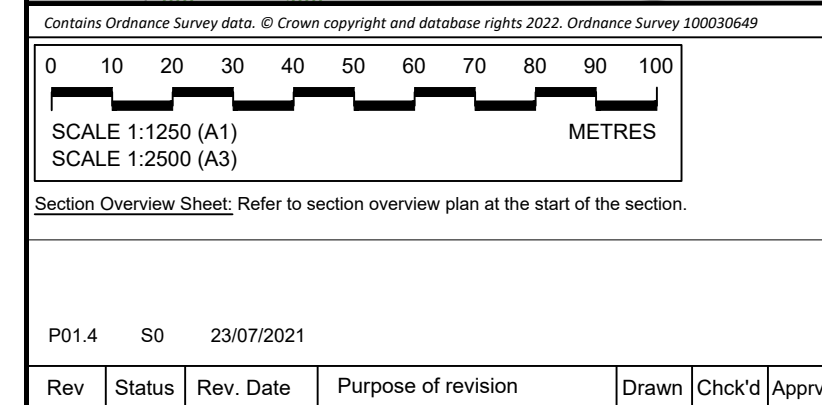
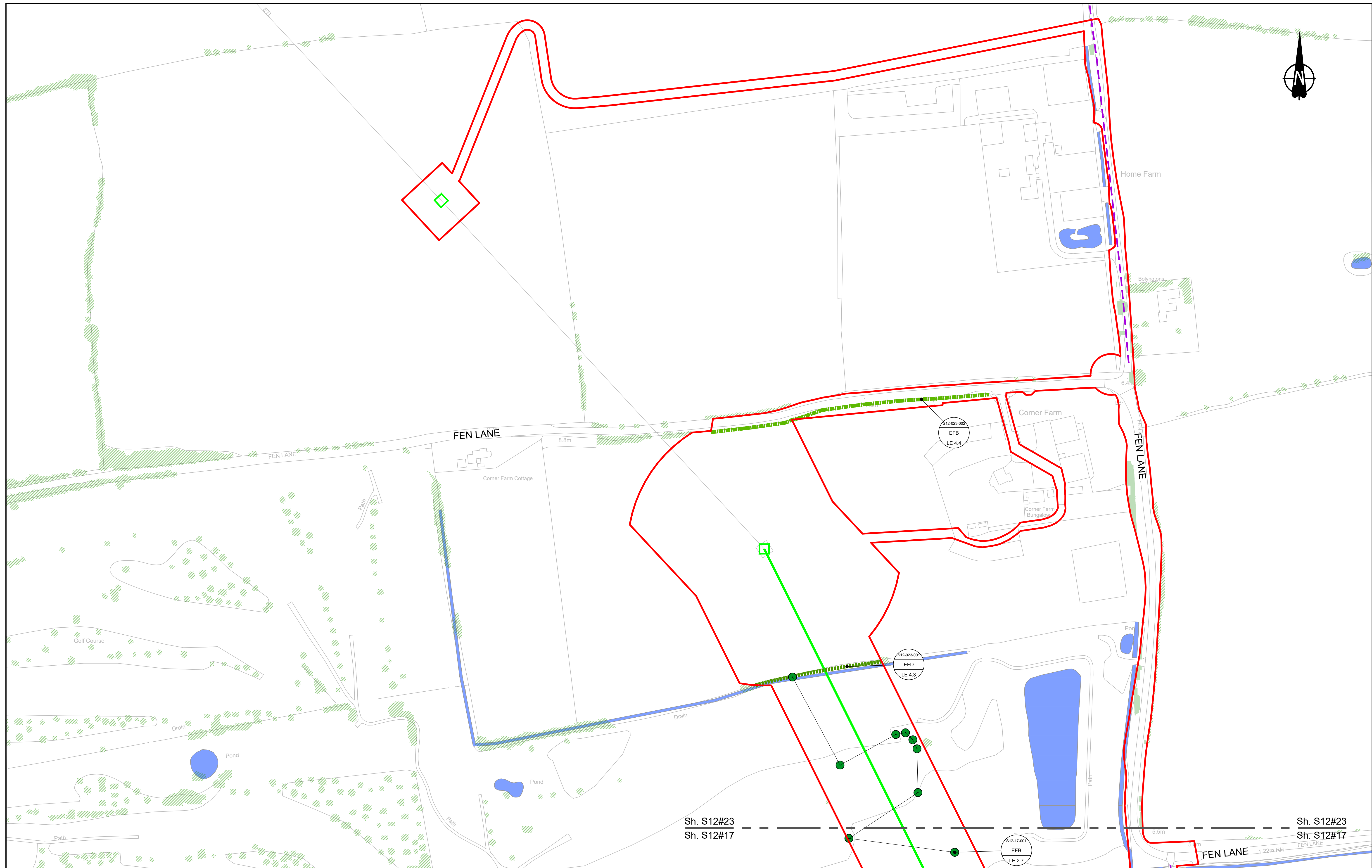
Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

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

Project: **LOWER THAMES CROSSING**

Status	Initial Status or WIP	Original Size	A1	Revision	P01.6
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	Planting (LE 2)	Individual Trees (LE 5)	Wetland Habitats (LE 6)	Ecological Habitats (LE 8)	Noise (E 1)	Ecological (E 3)	Water (E 2)
Permanent Acquisition of Land	LE 2.1 Woodland	LE 5.1 Individual Trees	LE 6.1 Water Bodies - Standing Water	LE 8.1 Open Mosaic Habitat	LE 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species	E 2.1 Flood Compensation Areas (E 2-FCA)
Grassland (LE 1)	LE 2.11 Woodland With Non-Native Species	LE 5.2 Scattered Trees	LE 6.2 Barks and Ditches	LE 8.2 Ancient Woodland Compensation Planting	E 1.2 Flood Defence (E 2-FD)	E 3.2 Dormouse Boxes	E 2.2 Flood Defence (E 2-FD)
LE 1.3 Species Rich Grassland	LE 2.14 Wet / Carr Woodland	LE 2.8 Scrub / Scattered Scrub	LE 6.4 Wet Grassland	LE 8.3 Woodland Mitigation Planting	E 2.3 Ecological Fencing (inc. highway boundary fence)	E 3.2 Bat Boxes	E 2.3 Ecological Fencing (inc. highway boundary fence)
LE 1.31 Species Rich Chalk Grassland	LE 2.2 Woodland Edge	Hedges (LE 4)	LE 7.4 Reinforced Earth Bund	LE 8.4 Wetland / Farmland Creation	E 3.2 Bat Barn Block	E 3.2 Ecological Culvert	E 3.2 Ecological Culvert
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.22 Scrub Woodland	LE 4.3 Native Species Hedge (untrimmed)	Earthworks	LE 8.5 Ecology Pond (indicative symbol only)	E 3.2 Bat Barn Block	E 3.2 Ecological Culvert	E 3.2 Ecological Culvert
LE 1.4 Rock and Scree	LE 2.4 Linear Belt of Shrubs and Trees	LE 4.4 Native Hedgerow With Trees	Proposed Contours	LE 8.6 Acid Grassland Soil Salvage			

LE 2.5 Shrubs With Intermittent Trees	LE 6.12 Water Bodies and Associated Plants - Shallow Scraps	LE 8.7 Nitrogen Deposition (NDEP) Compensation Area	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 2.7 Scattered Trees	LE 6.2 Barks and Ditches	E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 2.8 Scrub / Scattered Scrub	LE 6.4 Wet Grassland	E 2.3 Ecological Fencing (inc. highway boundary fence)	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 4.3 Native Species Hedge (untrimmed)	LE 7.4 Reinforced Earth Bund	E 2.3 Ecological Fencing (inc. highway boundary fence)	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 4.4 Native Hedgerow With Trees	Proposed Contours	E 2.3 Ecological Fencing (inc. highway boundary fence)	E 3.2 Ecological Fencing (inc. highway boundary fence)

LE 6.1 Water Bodies - Standing Water	LE 8.1 Open Mosaic Habitat	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 6.2 Barks and Ditches	LE 8.2 Ancient Woodland Compensation Planting	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 6.4 Wet Grassland	LE 8.3 Woodland Mitigation Planting	E 3.2 Ecological Fencing (inc. highway boundary fence)
LE 7.4 Reinforced Earth Bund	LE 8.4 Wetland / Farmland Creation	E 3.2 Ecological Fencing (inc. highway boundary fence)
Proposed Contours	LE 8.5 Ecology Pond (indicative symbol only)	E 3.2 Ecological Fencing (inc. highway boundary fence)

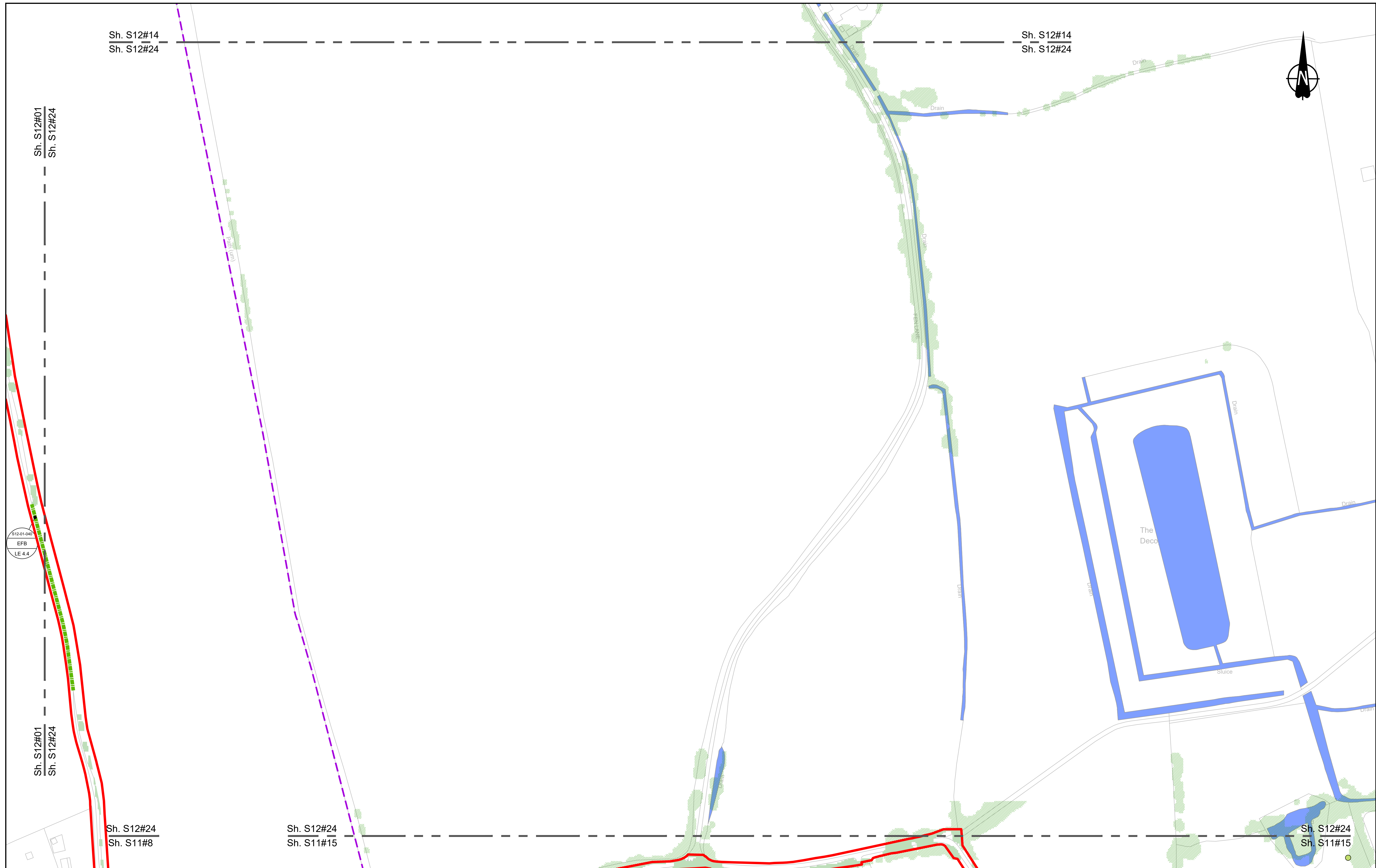
LE 8.6 Acid Grassland Soil Salvage	E 3.2 Ecological Fencing (inc. highway boundary fence)
E 3.2 Ecological Fencing (inc. highway boundary fence)	E 3.2 Ecological Fencing (inc. highway boundary fence)

E 3.2 Ecological Fencing (inc. highway boundary fence)	E 3.2 Ecological Fencing (inc. highway boundary fence)
E 3.2 Ecological Fencing (inc. highway boundary fence)	E 3.2 Ecological Fencing (inc. highway boundary fence)

Client: national highways

Project: LOWER THAMES CROSSING

Status: Initial Status or WIP	Original Size: A1	Revision: P01.4
Application Document Number: TR010032/APP/6.2	Scale: 1:1250	
Drawing title: ENVIRONMENTAL MASTERPLAN SECTION 12 SHEET 23		
Drawing Number: HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ-00024		



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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 2.1 Woodland	LE 5.1 Individual Trees	LE 6.1 Water Bodies - Standing Water	LE 7.4 Reinforced Earth Bund	LE 8.1 Open Mosaic Habitat	LE 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)	LE 2.1 Nitrogen Deposition (NDEP) Compensation Area	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 Individual Trees	LE 6.12 Water Bodies and Associated Plants - Shallow Scrape	LE 7.4.1 Reinforced Earth Bund	LE 8.2 Ancient Woodland Compensation Planting	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 Fencing (inc. highway boundary fence)
LE 1.32 Species Rich Annual Wildflower Grassland	LE 2.2 Woodland Edge	LE 5.2 Scattered Trees	LE 6.2 Banks and Ditches	LE 7.4.2 Reinforced Earth Bund	LE 8.3 Woodland Mitigation Planting	E 2.2 Flood Defence (E 2-FD)	E 3.2 Dormouse Boxes	E 3.2 Ecological Culvert
LE 1.4 Rock and Scree	LE 2.22 Scrub Woodland	LE 5.3 Hedgerow Trees	LE 6.4 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 7.4.3 Reinforced Earth Bund	LE 8.4 Wetland / Fenland Creation	E 3.2 Flood Defence (E 2-FD)	E 3.2 Bat Boxes	E 3.2 Ecological Culvert
	LE 2.4 Linear Belt of Shrubs and Trees	LE 5.4 Native Hedgerow With Trees	LE 6.4.1 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 7.4.4 Reinforced Earth Bund	LE 8.5 Ecology Pond (indicative symbol only)		E 3.2 Bat Barn Block	E 3.2 Ecological Culvert
			LE 6.4.2 Marsh and Wet Grassland - Coastal Grazing Marsh	LE 7.4.5 Reinforced Earth Bund	LE 8.6 Acid Grassland Soil Salvage			

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 12 SHEET 24		
Drawing Number	HE540039-CJV-EGN-S12_EN000000_Z-DR-ZZ-00025		

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