

Lower Thames Crossing

6.2 Environmental Statement Figures

Figure 2.4 - Environmental Masterplan Section 11 (7 of 10)

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

DATE: October 2022

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

VERSION: 1.0

Lower Thames Crossing

Figure 2.4 - Environmental Masterplan Section 11 (7 of 10)

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1 Environmental Masterplan: Section 11

1.1 Schedule of Plans included in this application document

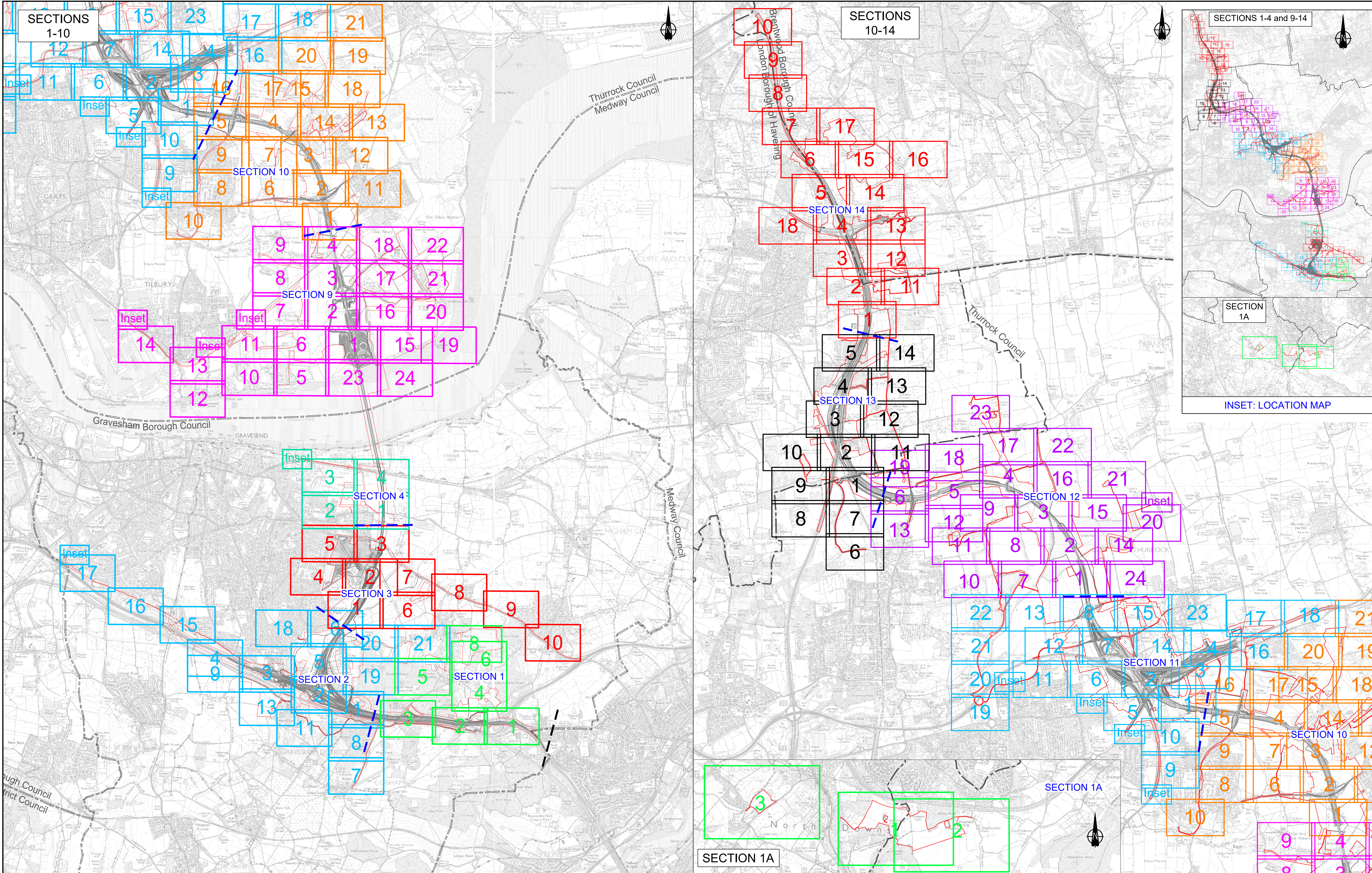
1.1.1 Section 11 (Sheets 1-23)

HE540039-CJV-EGN-S11_EN000000_Z-DR-ZZ-	TR010032/APP/6.2	P01.6
00001 - Section 11 Overview		
HE540039-CJV-EGN-S11_EN000000_Z-DR-ZZ-	TR010032/APP/6.2	P01.6
00002 - Section 11 Sheet 1		
HE540039-CJV-EGN-S11_EN000000_Z-DR-ZZ-	TR010032/APP/6.2	P01.4
00003 - Section 11 Sheet 2		
HE540039-CJV-EGN-S11_EN000000_Z-DR-ZZ-	TR010032/APP/6.2	P01.5
00004 - Section 11 Sheet 3		
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00005 - Section 11 Sheet 4		
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00006 - Section 11 Sheet 5		
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00007 - Section 11 Sheet 6		
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00008 - Section 11 Sheet 7		
HE540039-CJV-EGN-S11_EN000000_Z-DR-ZZ-	TR010032/APP/6.2	P01.5
00009 - Section 11 Sheet 8		

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00010 - Section 11 Sheet 9		
HE540039-CJV-EGN-S11_EN000000_Z-DR-ZZ-	TR010032/APP/6.2	P01.5
00011 - Section 11 Sheet 10		
HE540039-CJV-EGN-S11_EN000000_Z-DR-ZZ-	TR010032/APP/6.2	P01.6
00012 - Section 11 Sheet 11		
HE540039-CJV-EGN-S11_EN000000_Z-DR-ZZ-	TR010032/APP/6.2	P01.5
00013 - Section 11 Sheet 12		
HE540039-CJV-EGN-S11_EN000000_Z-DR-ZZ-	TR010032/APP/6.2	P01.6
00014 - Section 11 Sheet 13		
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00015 - Section 11 Sheet 14		
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00016 - Section 11 Sheet 15		
HE540039-CJV-EGN-S11_EN000000_Z-DR-ZZ-	TR010032/APP/6.2	P01.5
00017 - Section 11 Sheet 16		
HE540039-CJV-EGN-S11_EN000000_Z-DR-ZZ-	TR010032/APP/6.2	P01.5
00018 - Section 11 Sheet 17		
HE540039-CJV-EGN-S11_EN000000_Z-DR-ZZ-	TR010032/APP/6.2	P01.5
00019 - Section 11 Sheet 18		

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00020 - Section 11 Sheet 19		
HE540039-CJV-EGN-S11_EN000000_Z-DR-ZZ-	TR010032/APP/6.2	P01.6
00021 - Section 11 Sheet 20		
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00023 - Section 11 Sheet 22		
HE540039-CJV-EGN-S11_EN000000_Z-DR-ZZ-	TR010032/APP/6.2	P01.1
00024 - Section 11 Sheet 23		

1.2 Scheme Overview



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P01.3

SO

2021/09/23

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

0 200 400 600 800 1000 2400

SCALE 1:300000 (A1)

SCALE 1:60000 (A3)

METRES

- Approximate Highway Section Outline

- Order Limits

- Section Break

1

Section S1 (Sheets 1 - 8)

1A

Section S1A (Sheets 1 - 3)

1

Section S2 (Sheets 1 - 21)

1

Section S3 (Sheets 1 - 10)

1

Section S4 (Sheets 1 - 4)

1

Section S9 (Sheets 1 - 24)

1

Section S10 (Sheets 1 - 21)

1

Section S11 (Sheets 1 - 22)

1

Section S12 (Sheets 1 - 24)

1

Section S13 (Sheets 1 - 14)

1

Section S14 (Sheets 1 - 18)

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

TR010032/APP/6.2

Drawing title

ENVIRONMENTAL MASTERPLAN
SCHEME OVERVIEW

Drawing Number

HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00002

Original Size

A1

Revision

P01.3

Scale

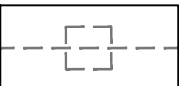
Scale

HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00002.dwg

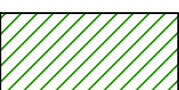
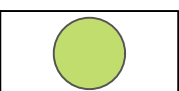
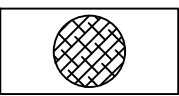
1.3 Environmental Masterplan Legend

EXISTING FEATURES

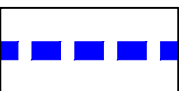
General Features

-  Existing WCH Route
-  Overhead Power Lines

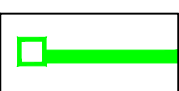
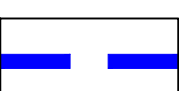
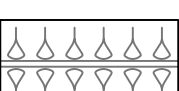
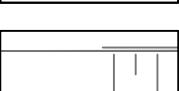
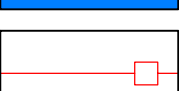
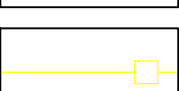
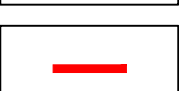
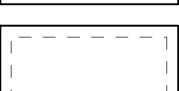
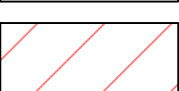
Environmental Features

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

PROPOSED PROJECT FEATURES

-  Order Limits
-  Permanent Acquisition of Land

General Project Features

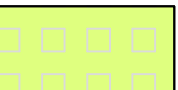
-  Existing Overhead Power Lines to be Removed
-  Indicative Diverted and Modified Overhead Power Lines
-  Proposed / Improved WCH Route
-  Diverted / Redesignated WCH Route
-  Proposed Carriageway
-  Proposed Retaining Wall
-  Proposed Cutting
-  Proposed Embankment
-  Proposed False Cutting Earthwork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

General Project Features cont.

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

PROPOSED LANDSCAPE ELEMENTS

Grassland (LE 1)

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

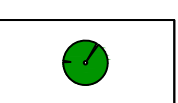
Planting (LE 2)

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

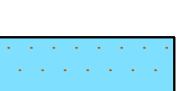
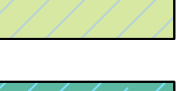
Hedges (LE 4)

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

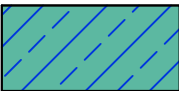
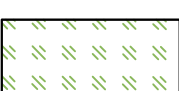
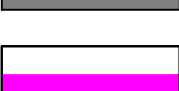
Individual Trees (LE 5)

-  LE 5.1 Individual Trees

Wetland Habitats (LE 6)

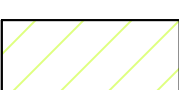
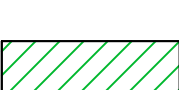
-  LE 6.11 Water Bodies – Standing Water
-  LE 6.12 Water Bodies and Associated Plants – Shallow Scrape Habitat
-  LE 6.2 Banks and Ditches
-  LE 6.21 Banks and Ditches – High Tide Roost Features
-  LE 6.4 Wet Grassland

General Project Features cont.

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

Hard Landscape Features (LE 7)

Ecological Habitats (LE 8)

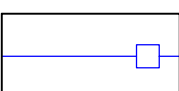
-  LE 8.1 Open Mosaic Habitat
-  LE 8.2 Ancient Woodland Compensation Planting
-  LE 8.3 Woodland Mitigation Planting
-  LE 8.4 Wetland / Fenland Creation
-  LE 8.5 Ecology Pond (Indicative symbol only)
-  LE 8.6 Acid Grassland Soil Salvage
-  LE 8.7 Nitrogen Deposition (NDEP) Compensation Area

Earthworks

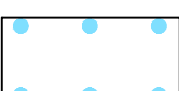
-  Proposed Contours

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

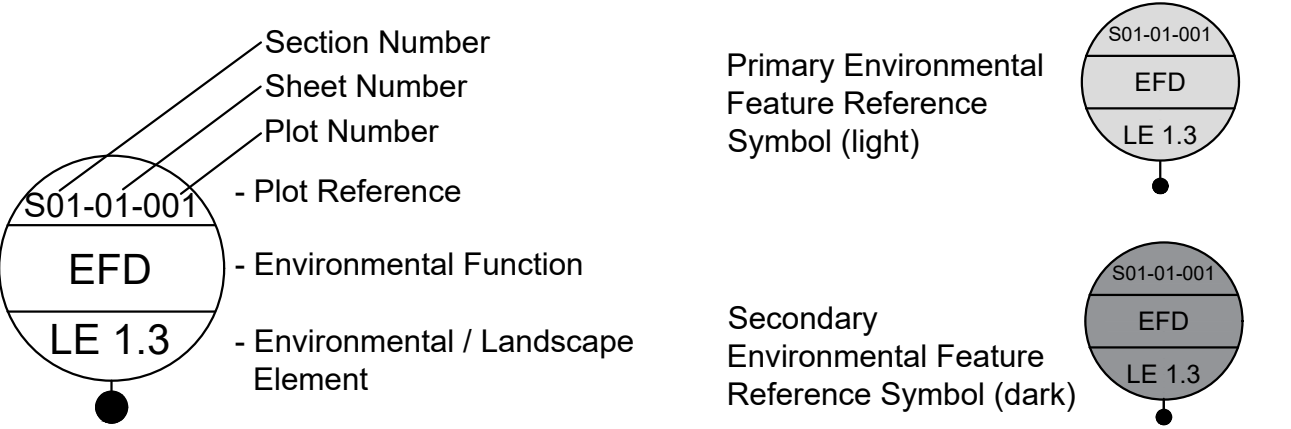
The outline Landscape and Ecology Management Plan (LEMP) separately sets out the proposed management for the environmental / landscape elements shown on the Environmental Masterplan. The Environment Masterplan secures the spatial extent and location of the environmental / landscape elements detailed 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 | EFF | Heritage |
| EFB | Landscape Integration | EFG | Auditory Amenity |
| EFC | Enhancing the Built Environment | EFH | Water Quality |
| EFD | Nature Conservation and Biodiversity | EFJ | Agricultural / Highway Boundary |
| EFE | Visual Amenity | EFK | Access |

Project Design Report

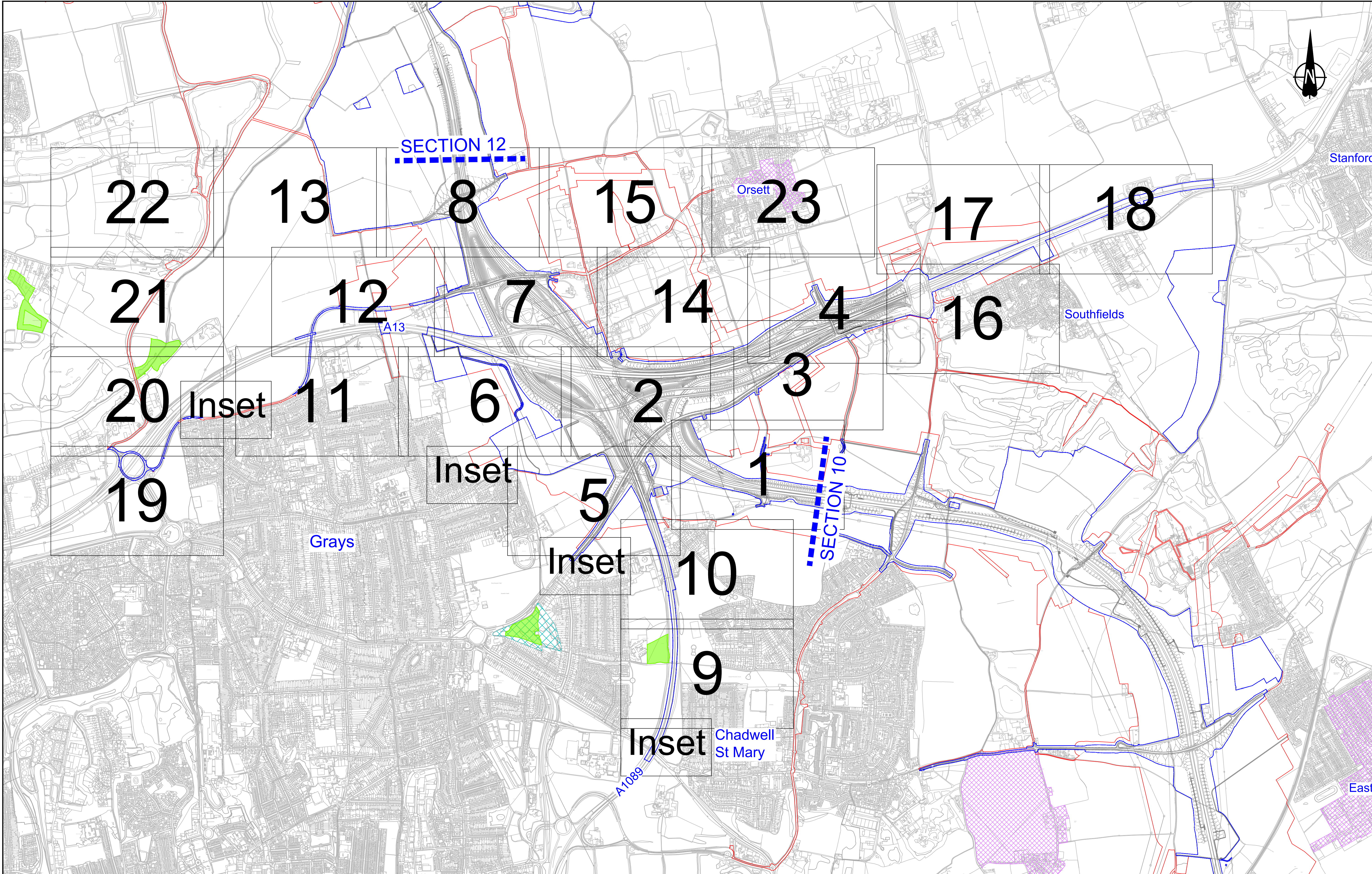
For further detail on the Landscape Design and Special Category Land shown within these plans, as well as the associated background and approach, please refer to the Project Design Report, Volume 2 Book of Plans, and Design Principles document (Application Documents 7.4, 6.2 and 7.5 respectively).

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P01.6	S0	27/03/2022				
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

		Client			Status	Initial Status or WIP		Original Size	Revision			
		Project	LOWER THAMES CROSSING		Application Document Number	TR010032/APP/6.2		A1	P01.6			
					Drawing title	ENVIRONMENTAL MASTERPLAN LEGEND						
					Drawing Number	HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001						

1.4 Section 11



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0 50 100 150 200 250 300 350 400 450 500
SCALE 1:5000 (A1)
SCALE 1:10000 (A3)
METRES

P01.6 SO 08/08/2022 LD

Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
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- LEGEND
- Order Limits
 - Permanent Acquisition of Land
 - Area of Outstanding Natural Beauty (AONB)
 - Site of Special Scientific Interest (SSSI)
 - Registered Parks and Gardens
 - Ramsar Sites
 - Ancient Woodland
 - Conservation Area

Client

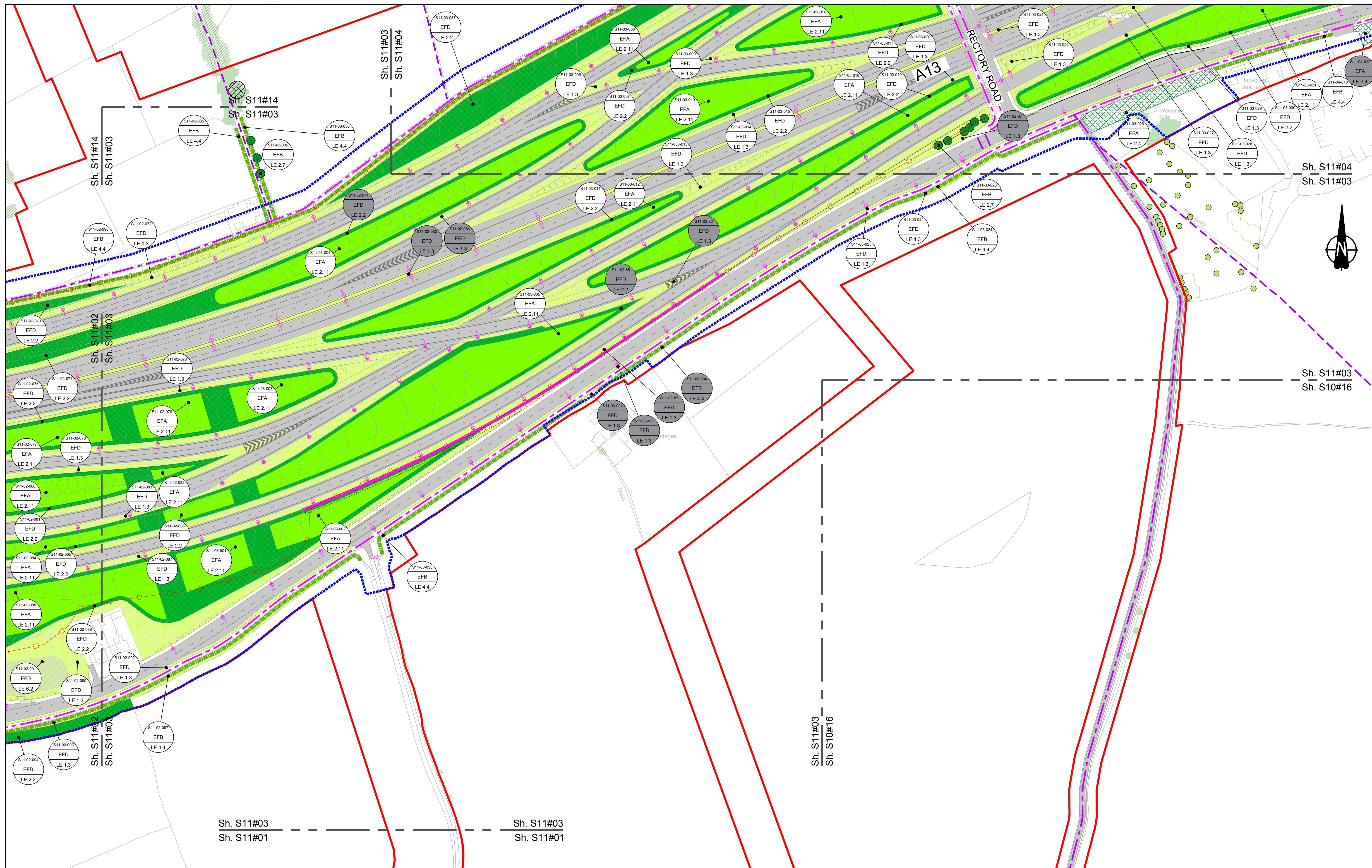
national highways

Project

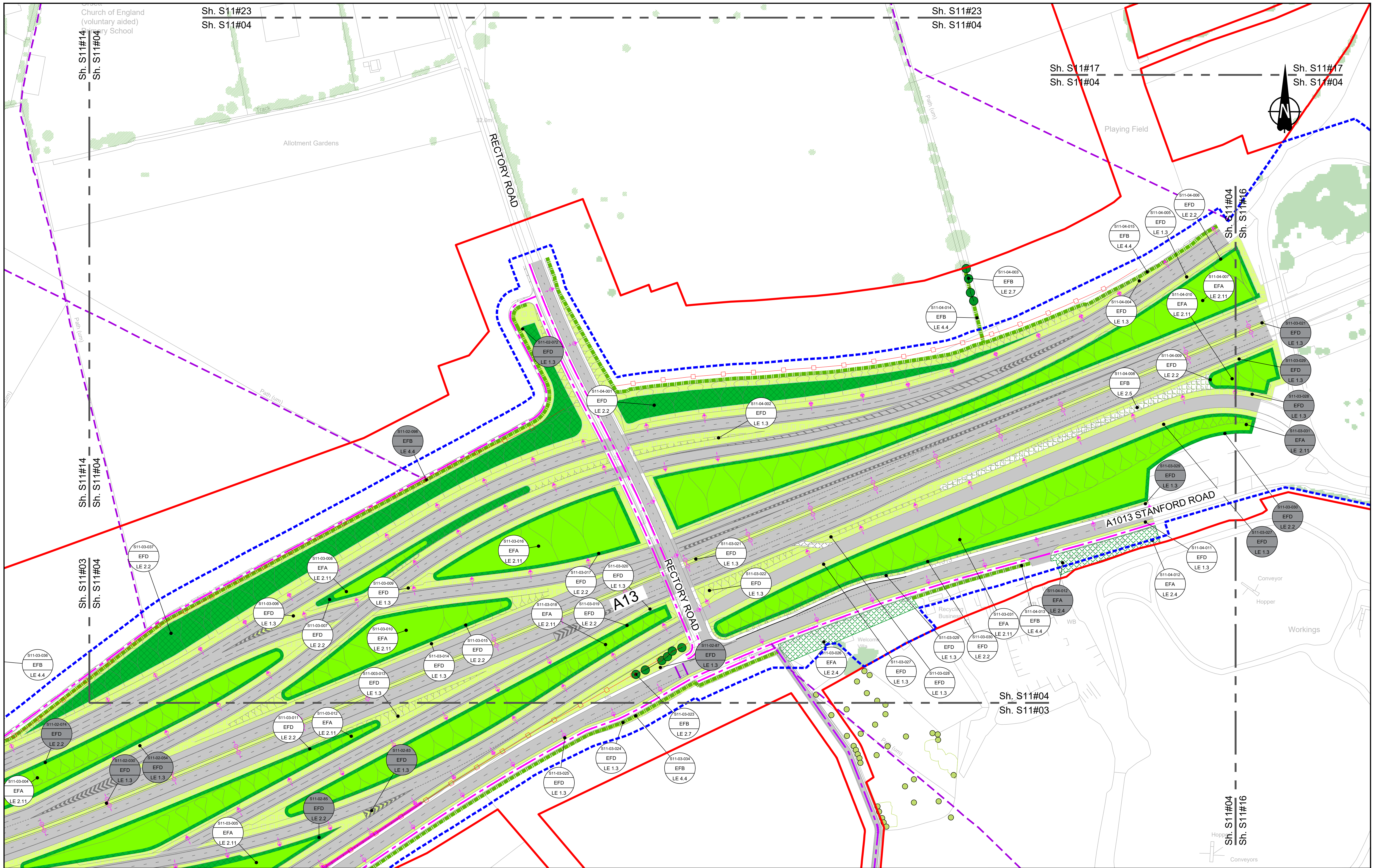
LOWER THAMES CROSSING

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 11		
Drawing Number	HE540039-CJV-EGN-S11_EN000000_Z-DR-ZZ-00001		

HE540039-CJV-EGN-S11_EN000000_Z-DR-ZZ-00001.dwg



Contains Ordnance Survey data. © Crown copyright and database rights 2022. Ordnance Survey 100030649										Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).										Client										Status										Initial Status or WIP										Original Size										Revision																																																																																																			
										 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 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 Rev Status Rev. Date Purpose of revision Drawn Chk'd Appr'd <tr><td colspan="10">P01.5 SO 08/08/2022 LD</td><td colspan="10"></td><td colspan="10">Project</td><td colspan="10">Drawing Title</td><td colspan="10">ENVIRONMENTAL MASTERPLAN</td><td colspan="10">Drawing Number</td><td colspan="10">HE540039-CJV-EGN-S11_EN000000_Z-DR-ZZ-00004</td></tr> <tr><td colspan="10">LOWER THAMES CROSSING</td><td colspan="10">SECTION 11</td><td colspan="10">SHEET 3</td><td colspan="10"></td><td colspan="10"></td><td colspan="10"></td><td colspan="10"></td></tr>										P01.5 SO 08/08/2022 LD																				Project										Drawing Title										ENVIRONMENTAL MASTERPLAN										Drawing Number										HE540039-CJV-EGN-S11_EN000000_Z-DR-ZZ-00004										LOWER THAMES CROSSING										SECTION 11										SHEET 3																																																	
P01.5 SO 08/08/2022 LD																				Project										Drawing Title										ENVIRONMENTAL MASTERPLAN										Drawing Number										HE540039-CJV-EGN-S11_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.

P01.5 50 08/08/2022 LD

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

Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZ1_EN000000_Z-DR-ZZ-00001).

Order Limits

Permanent Acquisition of Land

Grassland (LE 1)

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

Planting (LE 2)

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

Hedges (LE 4)

- LE 4.3 Native Species Hedge (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
- LE 6.2 Banks and Ditches
- LE 6.21 Banks and Ditches - High Tide Roost Features

Hard Landscape Features (LE 7)

- LE 7.4 Reinforced Earth Bund

Earthworks

- Proposed Contours

Ecological Habitats (LE 8)

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

Noise (E 1)

- LE 8.7 Nitrogen Deposition (NDEP) Compensation Area
- E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)

Water (E 2)

- Flood Compensation Areas (E 2-FCA)
- Flood Defence (E 2-FD)

Ecological (E 3)

- E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
- E 3.2 Dormouse Boxes
- E 3.2 Bat Boxes
- E 3.2 Ecological Culvert
- E 3.2 Bat Barn Block

E 3.2 Barn Owl Box

E 3.2 Ecological Fencing (inc. highway boundary fence)

Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status: Initial Status or WIP

Application Document Number: **TR010032/APP/6.2**

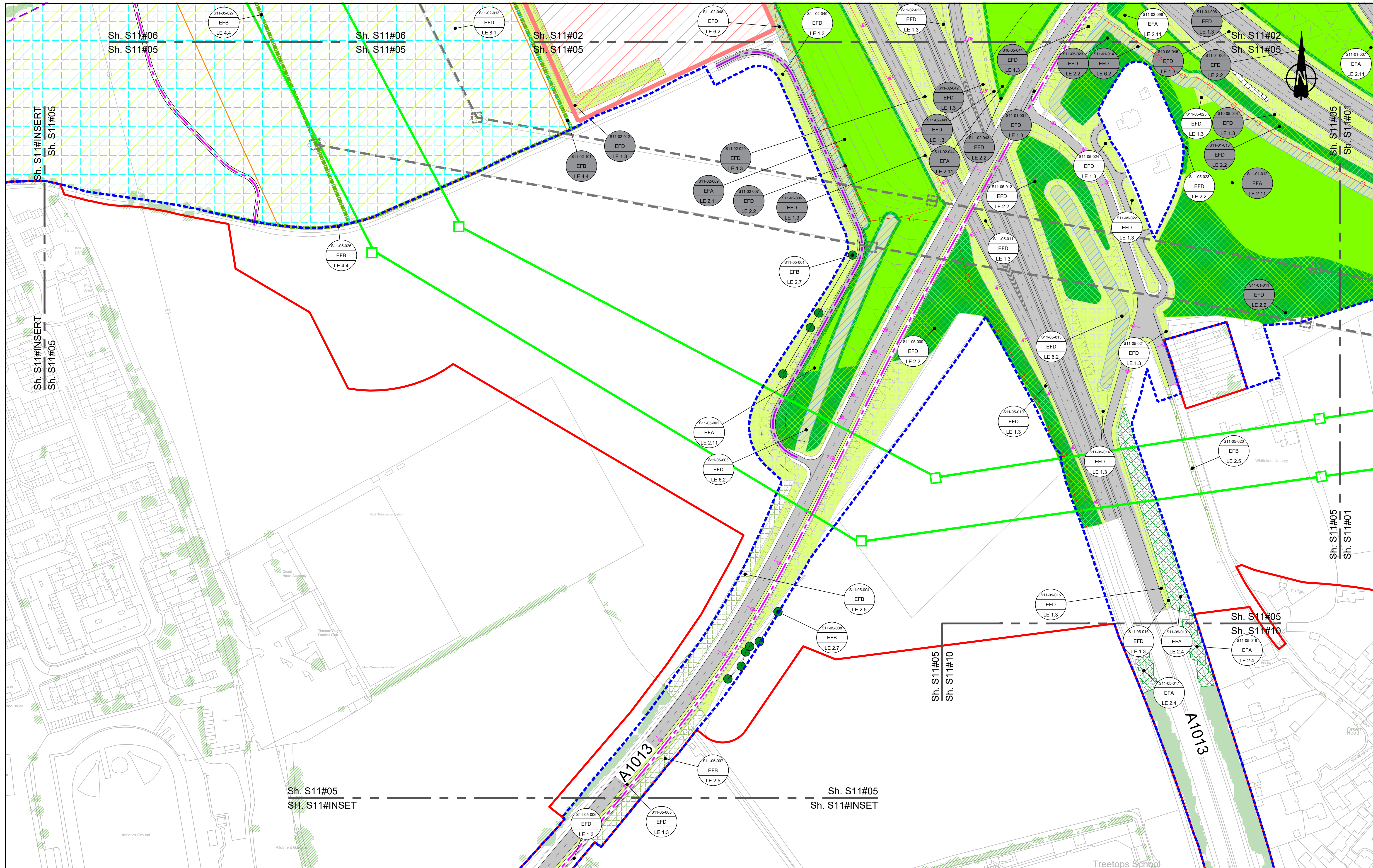
Drawing title: **ENVIRONMENTAL MASTERPLAN SECTION 11 SHEET 4**

Drawing Number: **HE540039-CJV-EGN-S11_EN000000_Z-DR-ZZ-00005**

Original Size: **A1** Revision: **P01.5**

Scale: **1:1250**

HE540039-CJV-EGN-S11_EN000000_Z-DR-ZZ-00005.dwg



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SCALE 1:2500 (A3)
METRES

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

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

Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZ1_EN000000_Z-DR-ZZ-000001).

Order Limits
Permanent Acquisition of Land

Grassland (LE 1)
LE 1.3 Species Rich Grassland
LE 1.31 Species Rich Chalk Grassland
LE 1.32 Species Rich Annual Wildflower Grassland
LE 1.4 Rock and Scree

Planting (LE 2)
LE 2.1 Woodland
LE 2.11 Woodland With Non-Native Species
LE 2.14 Wet / Carr Woodland
LE 2.2 Woodland Edge
LE 2.22 Scrub Woodland
LE 2.4 Linear Belt of Shrubs and Trees

LE 2.5 Shrubs With Intermittent Trees
LE 2.7 Scattered Trees
LE 2.8 Scrub / Scattered Scrub

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

Individual Trees (LE 5)
LE 5.1 Individual Trees

Wetland Habitats (LE 6)
LE 6.11 Water Bodies - Standing Water
LE 6.12 Water Bodies and Associated Plants - Shallow Scrape
LE 6.2 Banks and Ditches
LE 6.21 Banks and Ditches - High Tide Roost Features

Wetland Habitats (LE 6)
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 / Fenland Creation
LE 8.5 Ecology Pond (indicative symbol only)
LE 8.6 Acid Grassland Soil Salvage

Noise (E 1)
LE 8.7 Nitrogen Deposition (NDEP) Compensation Area
E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)

Water (E 2)
Flood Compensation Areas (E 2-FCA)
Flood Defence (E 2-FD)

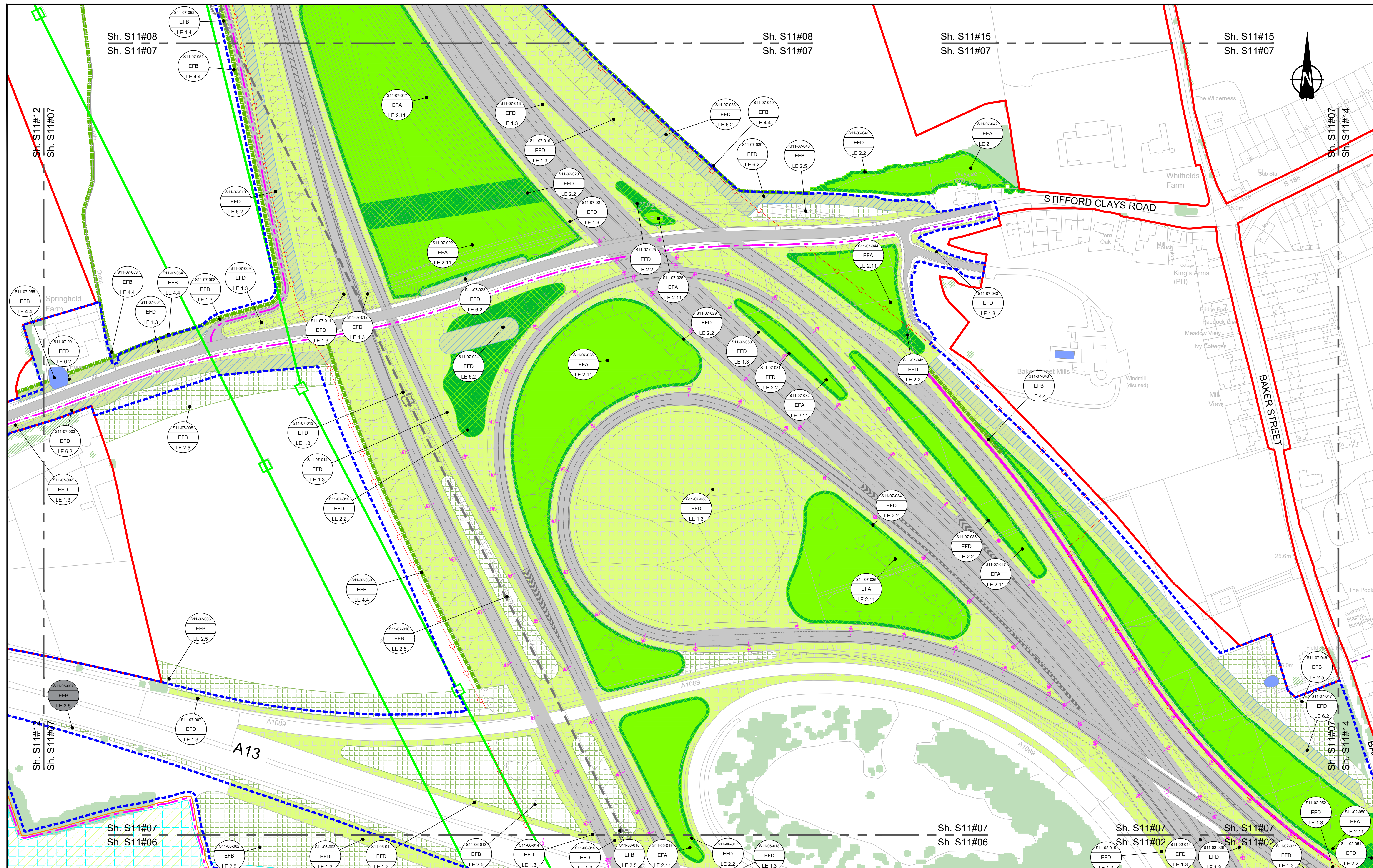
Ecological (E 3)
E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
E 3.2 Dormouse Boxes
E 3.2 Bat Boxes
E 3.2 Ecological Culvert
E 3.2 Bat Barn Block

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

Client: national highways

Project: LOWER THAMES CROSSING

Status: Initial Status or WIP
Application Document Number: TR010032/APP/6.2
Drawing title: ENVIRONMENTAL MASTERPLAN
SECTION 11
SHEET 5
Drawing Number: HE540039-CJV-EGN-S11_EN000000_Z-DR-ZZ-000006
Original Size: A1
Revision: 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.

P01.5	50	08/08/2022	LD
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd
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Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-000001).

Order Limits

Permanent Acquisition of Land

Grassland (LE 1)

Planting (LE 2)

Wetland Habitats (LE 6)

Hedges (LE 4)

Individual Trees (LE 5)

Wetland Habitats (LE 6)

Hard Landscape Features (LE 7)

Earthworks

Ecological Habitats (LE 8)

Noise (E 1)

Water (E 2)

Ecological (E 3)

E 3.2 Bat Boxes

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

Application Document Number

TR010032/APP/6.2

Drawing title

ENVIRONMENTAL MASTERPLAN

SECTION 11

SHEET 7

Drawing Number

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Original Size

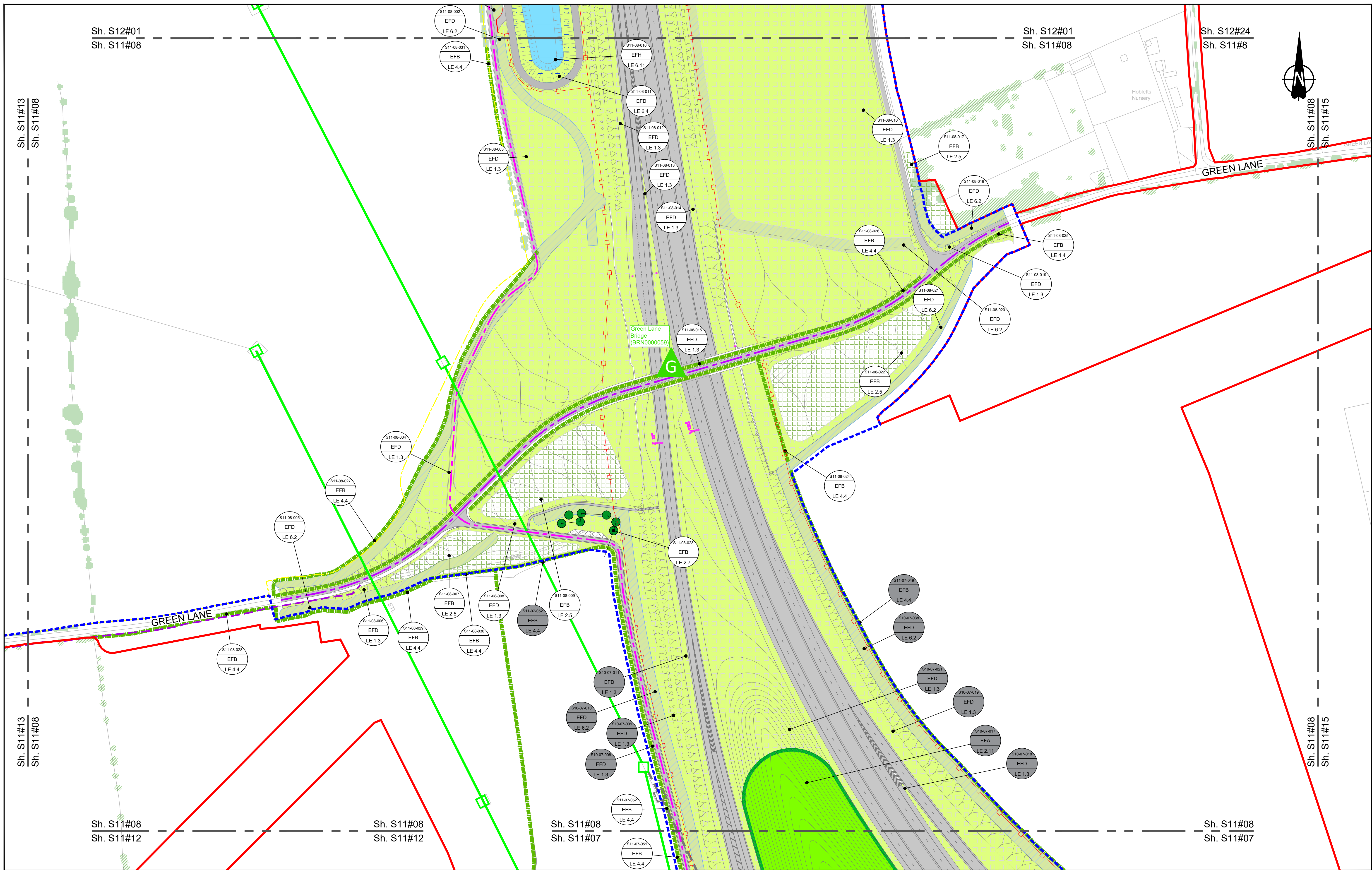
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Revision

P01.5

Scale

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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	Appr'd
P01.5	SO	08/08/2022				LD

Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-000001).

Order Limits
Permanent Acquisition of Land

Grassland (LE 1)
LE 1.3 Species Rich Grassland
LE 1.31 Species Rich Chalk Grassland
LE 1.32 Species Rich Annual Wildflower Grassland
LE 1.4 Rock and Scree

Planting (LE 2)
LE 2.1 Woodland
LE 2.11 Woodland With Non-Native Species
LE 2.14 Wet / Carr Woodland
LE 2.2 Woodland Edge
LE 2.22 Scrub Woodland
LE 2.4 Linear Belt of Shrubs and Trees

LE 2.5 Shrubs With Intermittent Trees
LE 2.7 Scattered Trees
LE 2.8 Scrub / Scattered Scrub
Hedges (LE 4)
LE 4.3 Native Species Hedge (untrimmed)
LE 4.4 Native Hedgerow With Trees

Individual Trees (LE 5)
LE 5.1 Individual Trees

Wetland Habitats (LE 6)
LE 6.11 Water Bodies - Standing Water
LE 6.12 Water Bodies - Associated Plants - Shallow Scrape
LE 6.2 Banks and Ditches
LE 6.21 Banks and Ditches - High Tide Rock Features

LE 6.4 Wet Grassland
LE 6.41 Marsh and Wet Grassland - Coastal Grazing Marsh
LE 7.4 Reinforced Earth Bund

Hard Landscape Features (LE 7)
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 / Fenland Creation
LE 8.5 Ecology Pond (indicative symbol only)
LE 8.6 Acid Grassland Soil Salvage

Noise (E 1)
LE 8.7 Nitrogen Deposition (NDEP) Compensation Area
E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)

Water (E 2)
Flood Compensation Areas (E 2-FC)
Flood Defence (E 2-FD)

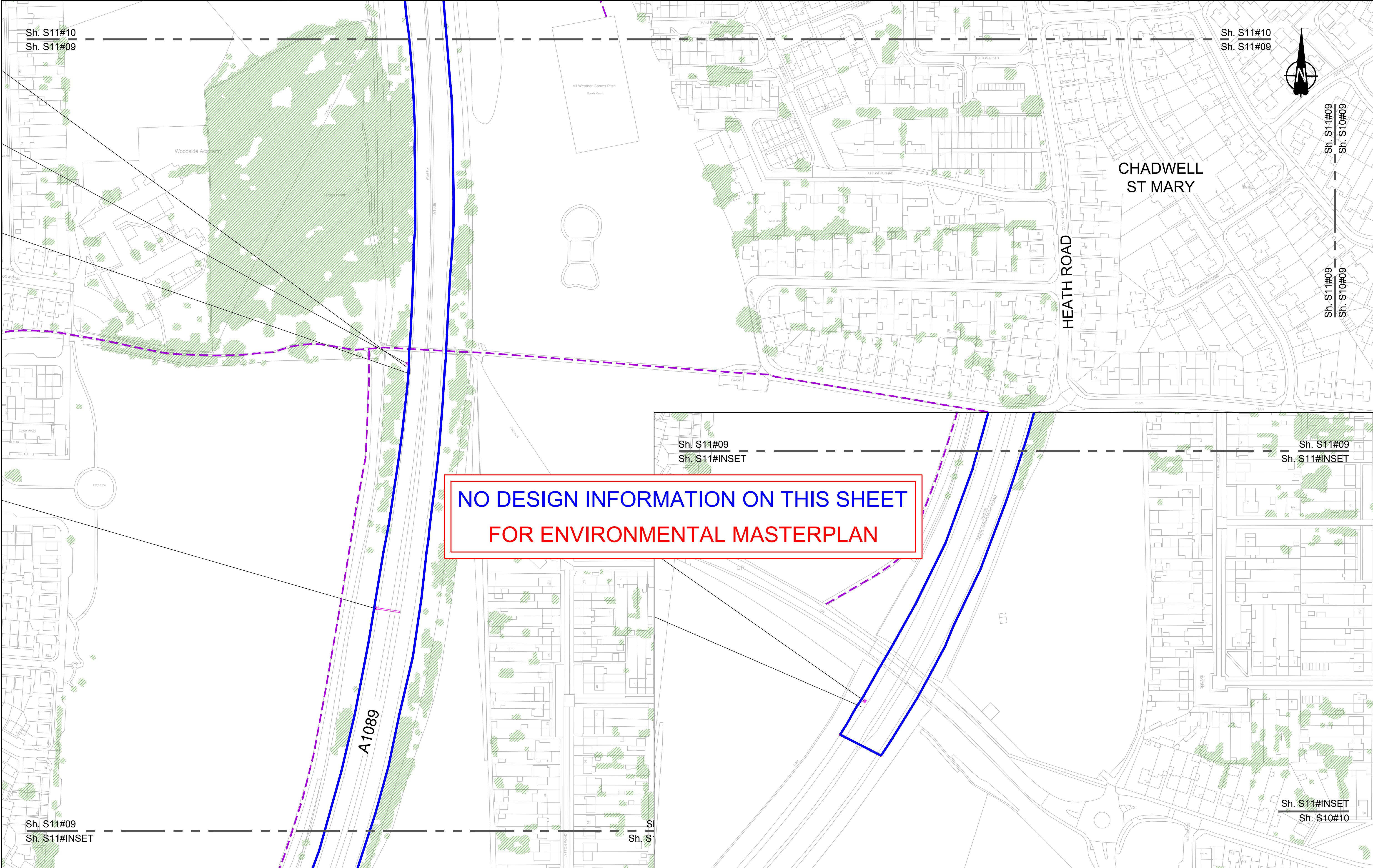
Ecological (E 3)
E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
E 3.2 Dormouse Boxes
E 3.2 Bat Boxes
E 3.2 Ecological Culvert
E 3.2 Bat Barn Block
E 3.2 Barn Owl Box
E 3.2 Ecological Fencing (inc. highway boundary fence)

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 11 SHEET 8		
Drawing Number	HE540039-CJV-EGN-S11_EN000000_Z-DR-ZZ-000009		

HE540039-CJV-EGN-S11_EN000000_Z-DR-ZZ-000009.dwg



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

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

P01.6 SO 08/08/2022 LD

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd
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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)

Planting (LE 2)

Individual Trees (LE 5)

Wetland Habitats (LE 6)

Hard Landscape Features (LE 7)

Earthworks

Ecological Habitats (LE 8)

Noise (E 1)

Water (E 2)

Ecological (E 3)

E 3.2 Ecological Fencing (inc. highway boundary fence)

E 3.2 Bat Barn Block

Client

national highways

Project

LOWER THAMES CROSSING

Status

Initial Status or WIP

Application Document Number

TR010032/APP/6.2

Drawing title

ENVIRONMENTAL MASTERPLAN

SECTION 11

SHEET 9

Drawing Number

HE540039-CJV-EGN-S11_EN000000_Z-DR-ZZ-00010

Original Size

A1

Revision

P01.6

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.

P01.6	S0	08/08/2022	LD			
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'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

- 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

Shrubs With Intermittent Trees

- LE 2.5

Scattered Trees

- LE 2.7

Scrub / Scattered Scrub

- LE 2.8

Hedges (LE 4)

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

Individual Trees (LE 5)

- LE 5.1 Individual Trees

Wetland Habitats (LE 6)

- LE 6.11 Water Bodies - Standing Water
- LE 6.12 Water Bodies and Associated Plants - Shallow Scapes
- LE 6.2 Banks and Ditches
- LE 6.21 Banks and Ditches - High Tide Roost Features

Wet Grassland

- LE 6.4

Marsh and Wet Grassland - Coastal Grazing Marsh

- LE 6.41

Hard Landscape Features (LE 7)

- LE 7.4 Reinforced Earth Bund

Earthworks

- Proposed Contours

Ecological Habitats (LE 8)

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

Noise (E 1)

- LE 8.7 Nitrogen Deposition (NDEP) Compensation Area
- E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)

Water (E 2)

- Flood Compensation Areas (E 2-FCA)
- Flood Defence (E 2-FD)

Ecological (E 3)

- E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
- E 3.2 Dormouse Boxes
- E 3.2 Bat Boxes
- E 3.2 Ecological Culvert
- E 3.2 Bat Barn Block

E 3.2 Barn Owl Box

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

Client

national highways

Project

LOWER THAMES CROSSING

Status

Initial Status or WIP

Application Document Number

TR010032/APP/6.2

Drawing title

**ENVIRONMENTAL MASTERPLAN
SECTION 11
SHEET 11**

Drawing Number

HE540039-CJV-EGN-S11_EN000000_Z-DR-ZZ-00012

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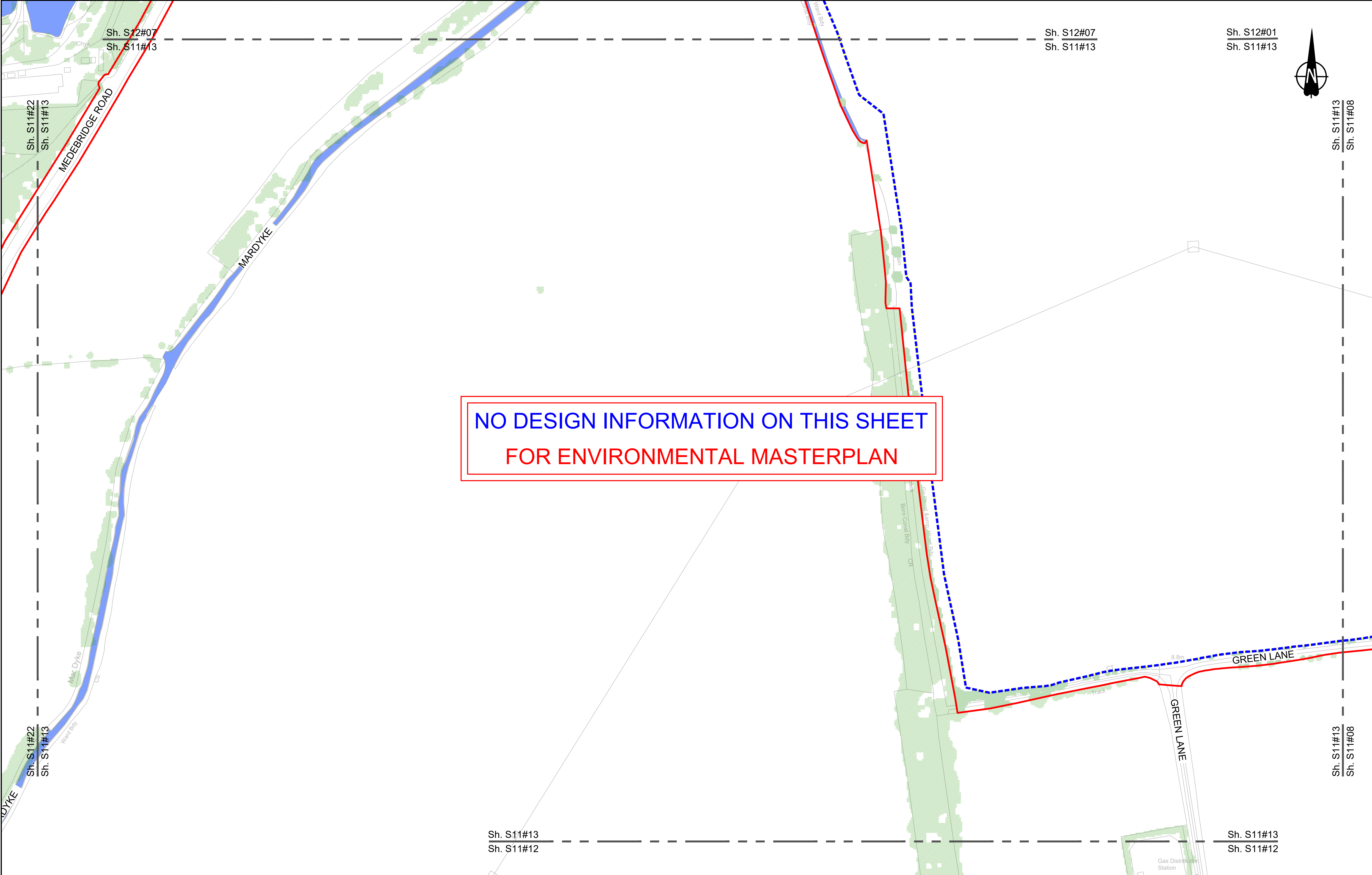
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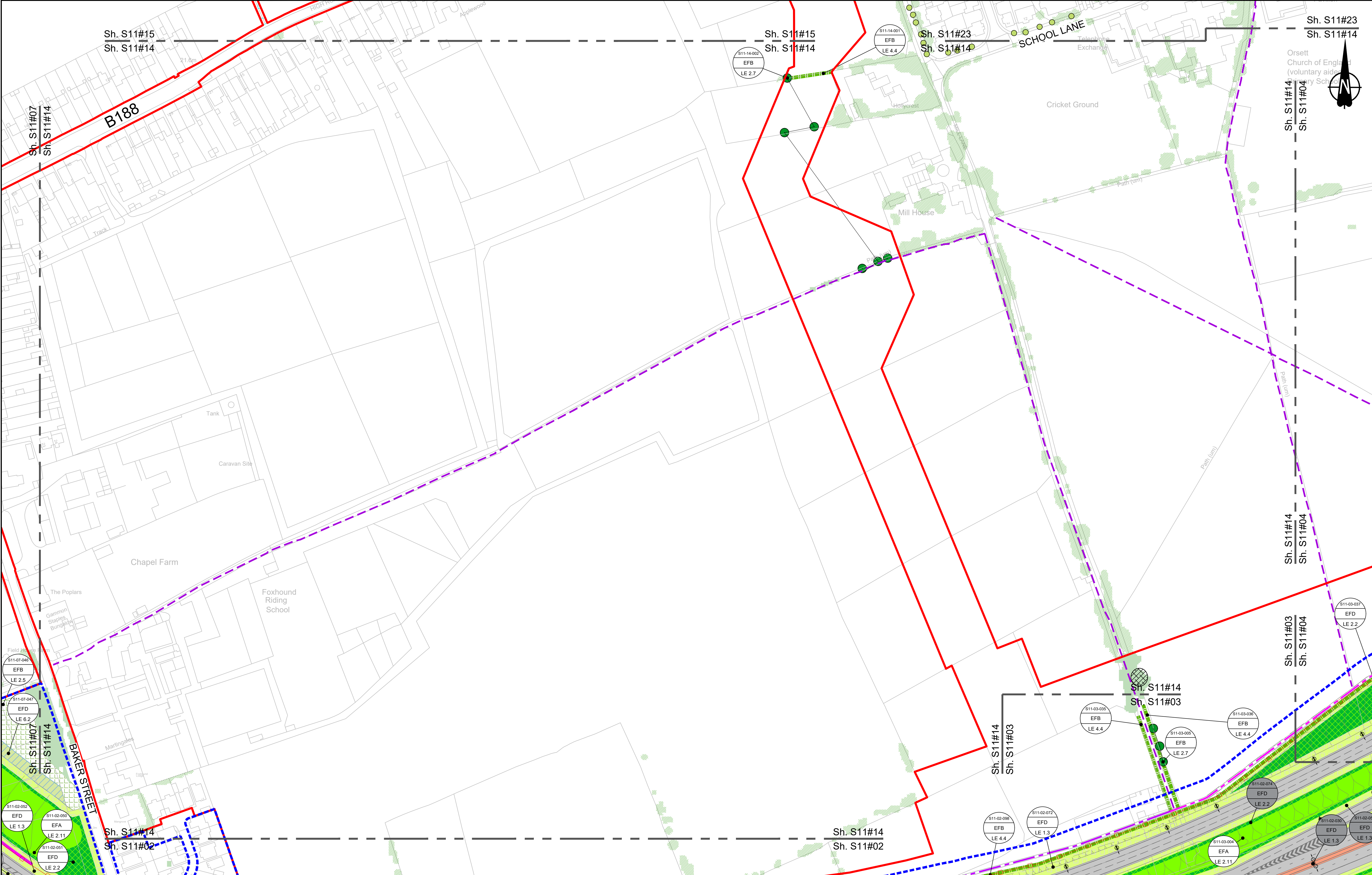
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Scale

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P01.6 SO 08/08/2022 LD									
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd	Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).		
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 6.11 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							Hedges (LE 4) LE 4.3 Native Species Hedge (untrimmed) LE 4.4 Native Hedgerow With Trees LE 2.5 Shrubs With Intermittent Trees LE 2.7 Scattered Trees LE 2.8 Scrub / Scattered Scrub LE 4.3 Native Species Hedge (untrimmed) LE 4.4 Native Hedgerow With Trees		
Hard Landscape Features (LE 7) LE 7.4 Reinforced Earth Bund Earthworks Proposed Contours							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 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence) Water (E 2) Flood Compensation Areas (E 2-FCA) Flood Defence (E 2-FD)							Ecological (E 3) E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species E 3.2 Dormouse Boxes E 3.2 Bat Boxes E 3.2 Ecological Culvert E 3.2 Bat Barn Block E 3.2 Ecological Fencing (inc. highway boundary fence) E 3.2 Barn Owl Box		
Client Project LOWER THAMES CROSSING							Status Initial Status or WIP Application Document Number TR010032/APP/6.2 Drawing title ENVIRONMENTAL MASTERPLAN SECTION 11 SHEET 13 Drawing Number HE540039-CJV-EGN-S11_EN000000_Z-DR-ZZ-00014		
							Original Size A1 Revision P01.6 Scale 1:1250		



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

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

P01.5	S0	08/08/2022	LD
Rev	Status	Rev. Date	Purpose of revision
Drawn	Check'd	Appr'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

Permanent Acquisition of Land

Grassland (LE 1)

Planting (LE 2)

Wetland Habitats (LE 6)

Hedges (LE 4)

Individual Trees (LE 5)

Wetland Habitats (LE 6)

Hard Landscape Features (LE 7)

Earthworks

Ecological Habitats (LE 8)

Noise (E 1)

Water (E 2)

Ecological (E 3)

E 3.2 Ecological Fencing (inc. highway boundary fence)

E 3.2 Ecological Culvert

E 3.2 Bat Barn Block

E 3.2 Ecological Fencing (inc. highway boundary fence)

E 3.2 Ecological Culvert

E 3.2 Bat Barn Block

Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status: Initial Status or WIP

Application Document Number: **TR010032/APP/6.2**

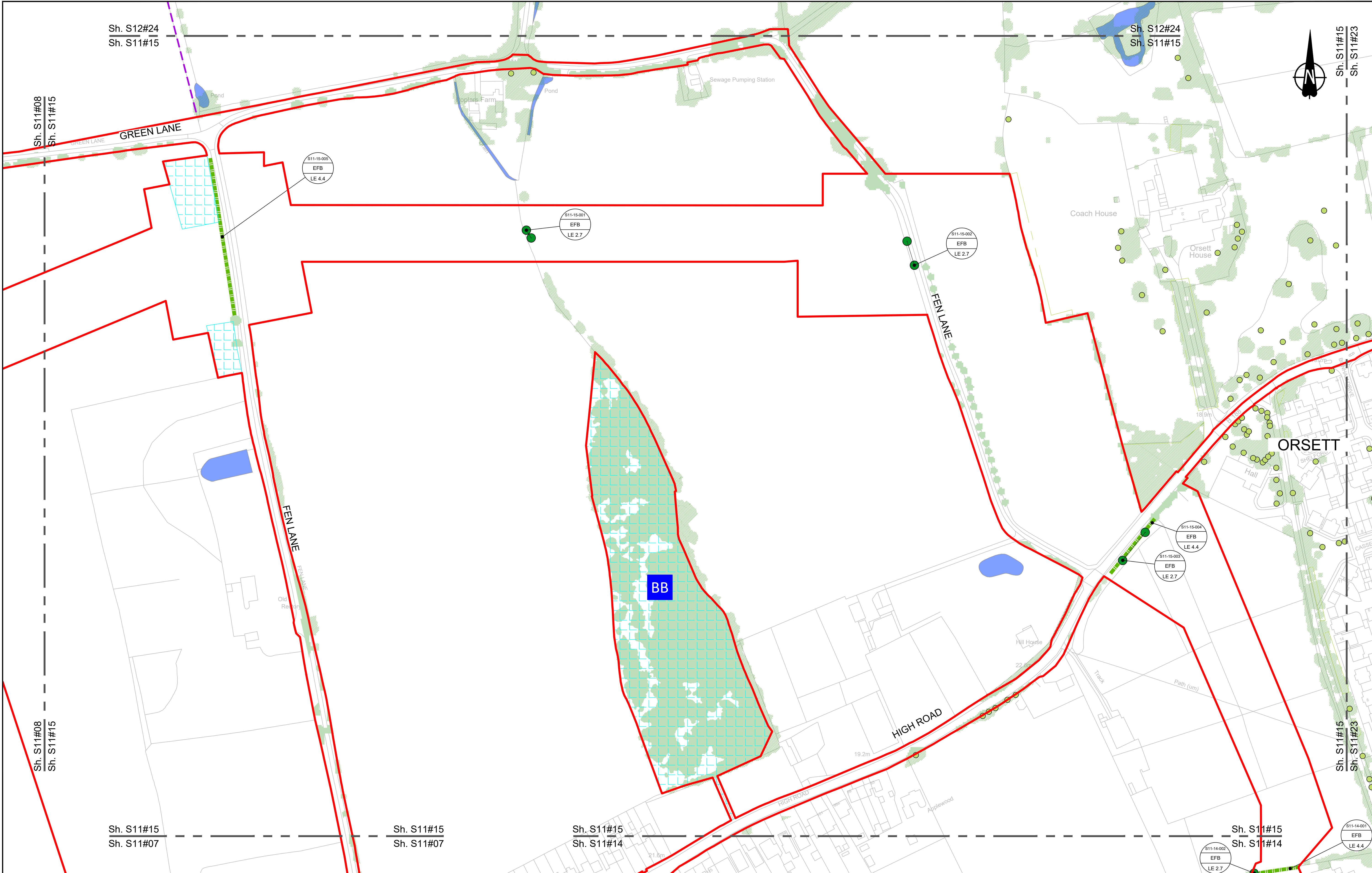
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SECTION 11
SHEET 14**

Drawing Number: **HE540039-CJV-EGN-S11_EN000000_Z-DR-ZZ-00015**

Original Size: **A1**

Revision: **P01.5**

Scale: **1:1250**



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

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

Permanent Acquisition of Land

Grassland (LE 1)

Planting (LE 2)

Individual Trees (LE 5)

Wetland Habitats (LE 6)

Hard Landscape Features (LE 7)

Earthworks

Ecological Habitats (LE 8)

Noise (E 1)

Water (E 2)

Ecological (E 3)

E 3.2 Ecological Fencing (inc. highway boundary fence)

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 Bat Barn Block

Client

national highways

Project

LOWER THAMES CROSSING

Status

Initial Status or WIP

Application Document Number

TR010032/APP/6.2

Drawing title

ENVIRONMENTAL MASTERPLAN

SECTION 11

SHEET 15

Drawing Number

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Original Size

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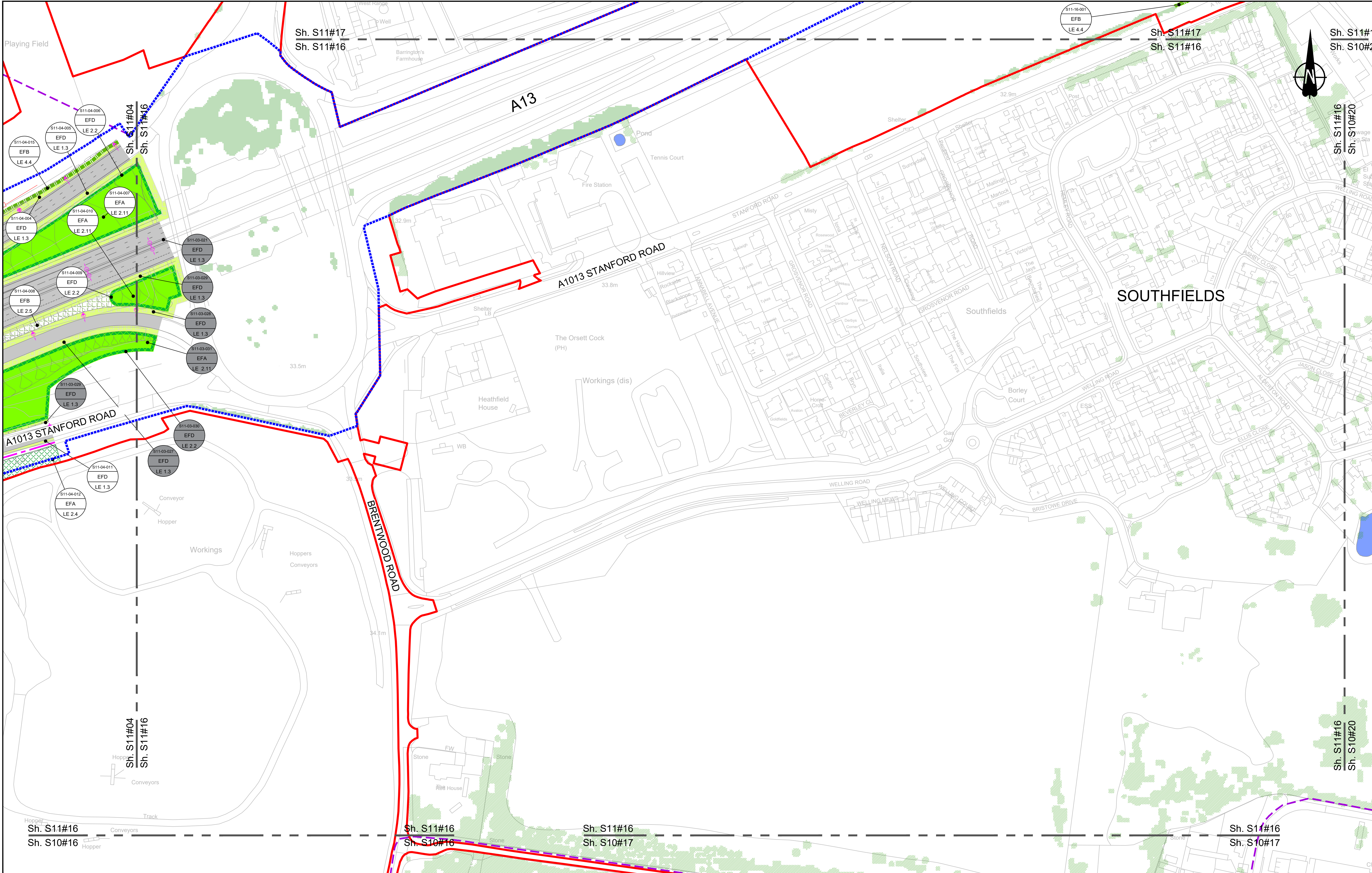
Revision

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

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

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

- Permanent Acquisition of Land

Grassland (LE 1)

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

Planting (LE 2)

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

Hedges (LE 4)

- LE 4.3 Native Species Hedge (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
- LE 6.2 Banks and Ditches
- LE 6.21 Banks and Ditches - High Tide Root Features

Hard Landscape Features (LE 7)

- LE 7.4 Reinforced Earth Bund

Earthworks

- Proposed Contours

Ecological Habitats (LE 8)

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

Noise (E 1)

- LE 8.7 Nitrogen Deposition (NDEP) Compensation Area
- E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)

Water (E 2)

- Flood Compensation Areas (E 2-FCA)
- Flood Defence (E 2-FD)

Ecological (E 3)

- E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
- E 3.2 Dormouse Boxes
- E 3.2 Bat Boxes
- E 3.2 Ecological Culvert
- E 3.2 Bat Barn Block

E 3.2 Barn Owl Box

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

Client

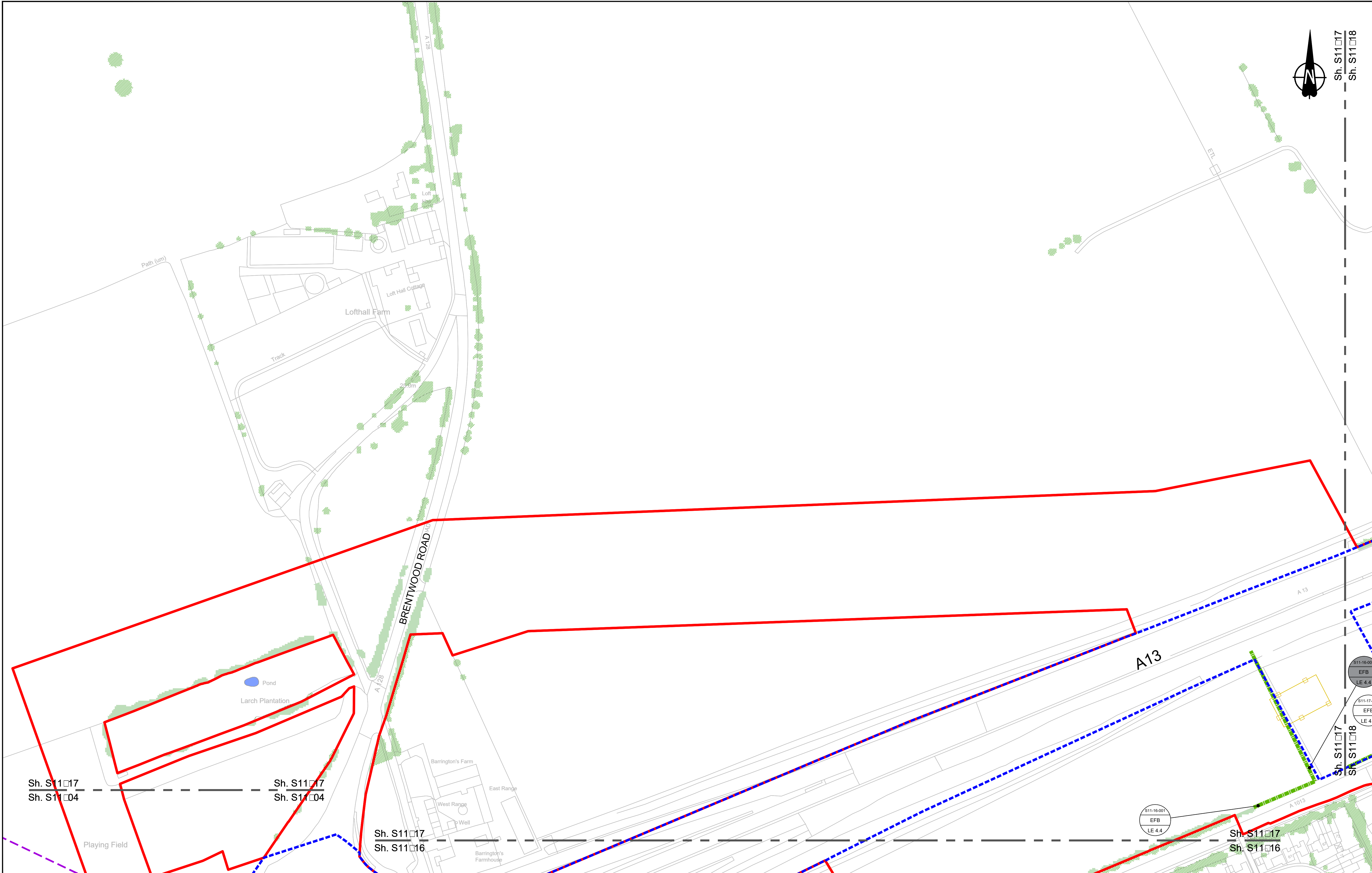
national highways

Project

LOWER THAMES CROSSING

Status	Initial Status or WIP	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A1	P01.5
Drawing title	ENVIRONMENTAL MASTERPLAN SECTION 11 SHEET 16		
Drawing Number	HE540039-CJV-EGN-S11_EN000000_Z-DR-ZZ-00017		

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

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

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

Permanent Acquisition of Land

Grassland (LE 1)

Planting (LE 2)

Wetland Habitats (LE 6)

Hard Landscape Features (LE 7)

Earthworks

Ecological Habitats (LE 8)

Noise (E 1)

Water (E 2)

Ecological (E 3)

Order Limits

Permanent Acquisition of Land

Grassland (LE 1)

Planting (LE 2)

Wetland Habitats (LE 6)

Hard Landscape Features (LE 7)

Earthworks

Ecological Habitats (LE 8)

Noise (E 1)

Water (E 2)

Ecological (E 3)

Client

national highways

Project

LOWER THAMES CROSSING

Status

Initial Status or WIP

Application Document Number

TR010032/APP/6.2

Drawing title

ENVIRONMENTAL MASTERPLAN

SECTION 11

SHEET 17

Drawing Number

HE540039-CJV-EGN-S11_EN000000_Z-DR-ZZ-00018

Original Size

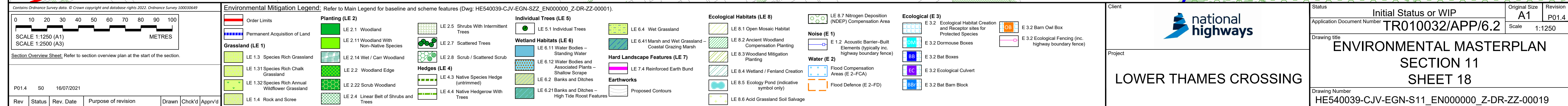
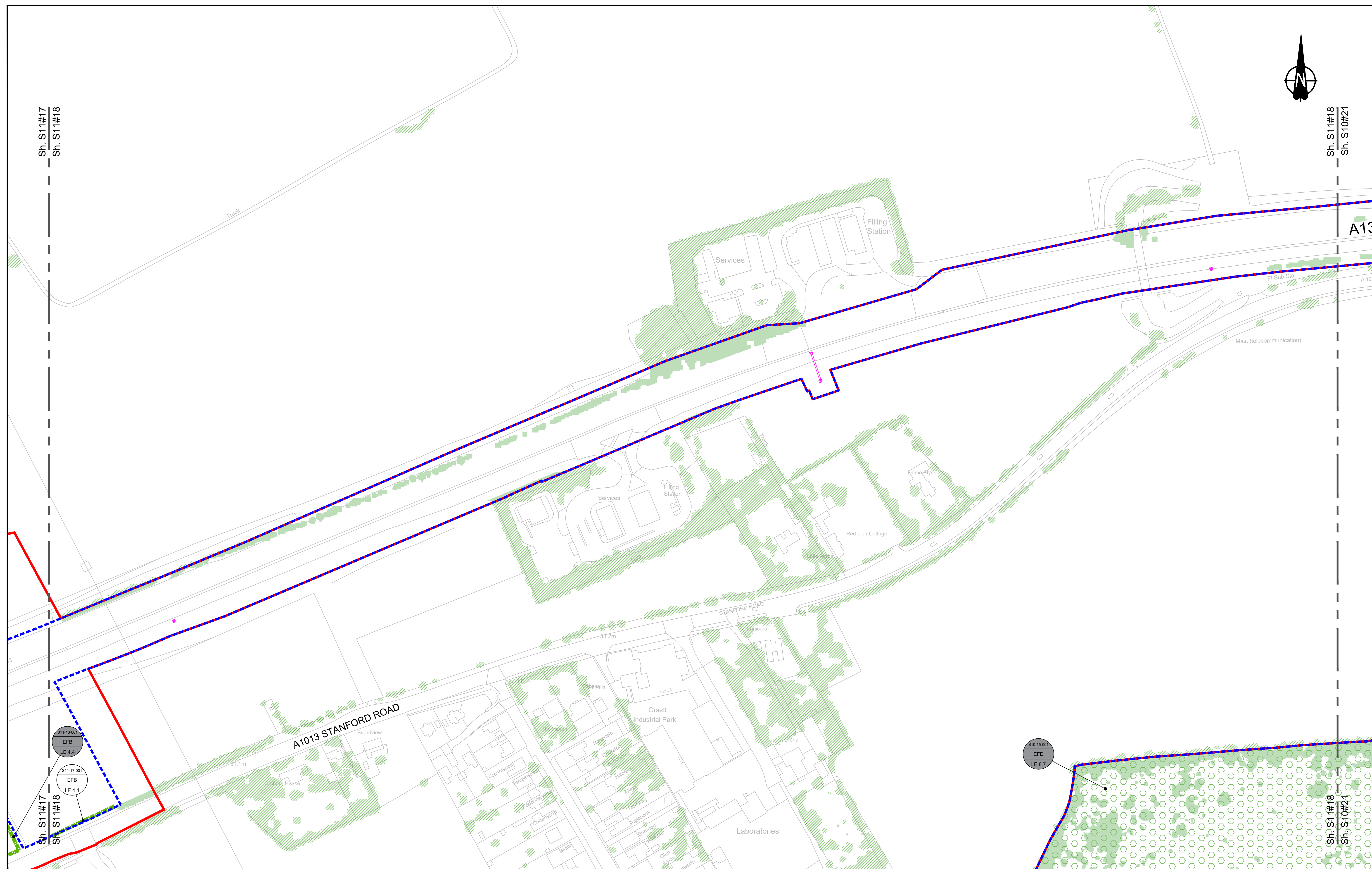
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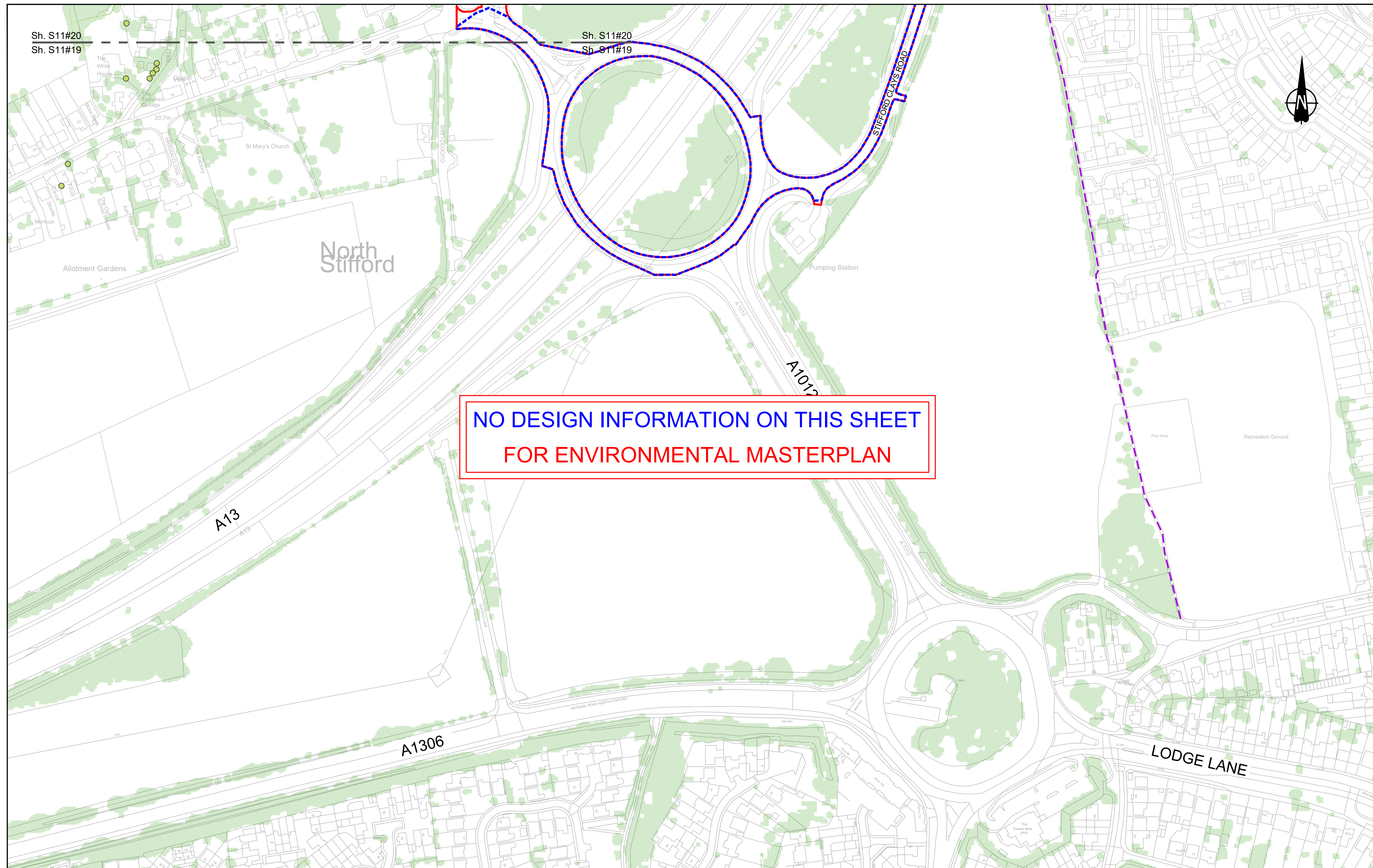
Revision

P01.5

Scale

1:1250





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Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZ_EN000000_Z-DR-ZZ-00001)



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.

Order Limits  Permanent Acquisition of Land Grassland (LE 1)  LE 1.3 Species Rich Grassland  LE 1.31 Species Rich Chalk Grassland  LE 1.32 Species Rich Annual Wildflower Grassland  LE 1.4 Rock and Scree	Planting (LE 2)  LE 2.1 Woodland  LE 2.11 Woodland With Non-Native Species  LE 2.14 Wet / Carr Woodland  LE 2.2 Woodland Edge  LE 2.22 Scrub Woodland  LE 2.4 Linear Belt of Shrubs and Trees	 LE 2.5 Shrubs With Intermittent Trees  LE 2.7 Scattered Trees  LE 2.8 Scrub / Scattered Scrub Hedges (LE 4)  LE 4.3 Native Species Hedge (untrimmed)  LE 2.22 Scrub Woodland  LE 4.4 Native Hedgerow With Trees	Wetland Habitats (LE 6)  LE 6.11 Water Bodies and Associated Plants – Shallow Scrape  LE 6.2 Banks and Ditches  LE 7.4 Reinforced Earth Band  LE 6.21 Banks and Ditches – High Tide Roost Features	Wetland Habitats (LE 6)  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 / Fenland Creation  LE 8.5 Ecological Pond (indicative symbol only)  LE 8.6 Acid Grassland Soil Salvage	Noise (E 1)  E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence) Water (E 2)  Flood Compensation Areas (E 2-FCA)  Flood Defence (E 2-FD)	Ecological (E 3)  E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species  E 3.2 Dormouse Boxes  E 3.2 Bat Boxes  E 3.2 Ecological Culvert  E 3.2 Bat Barn Block	 E 3.2 Barn Owl Box  E 3.2 Ecological Fencing (inc. highway boundary fence)
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P01.6	\$0	08/08/2022	LD
Rev	Status	Rev. Date	Purpose of revision

Drawn	Chk'd	Appr'd

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Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZ_EN000000_Z-DR-ZZ-00001)



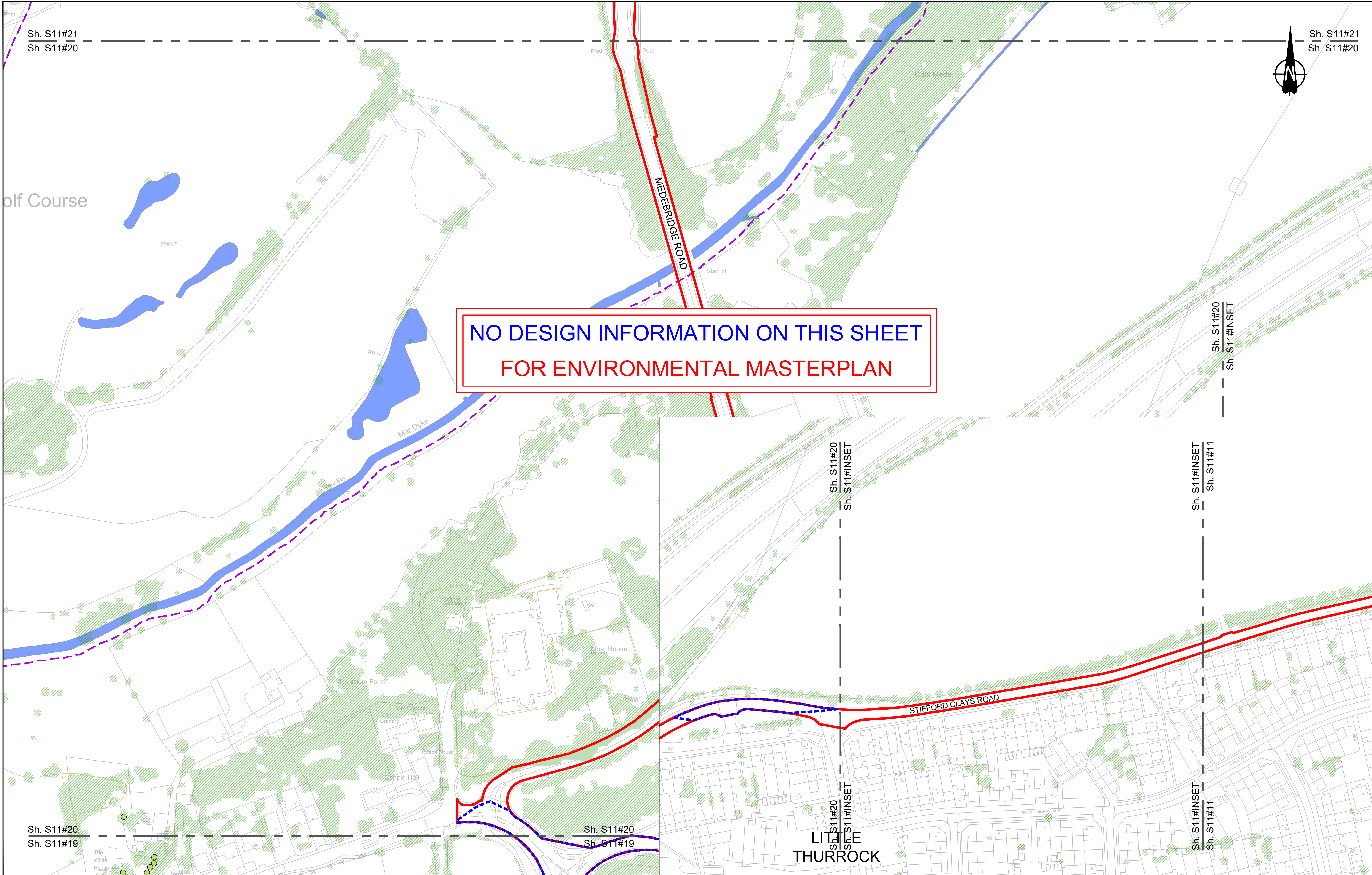
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SCALE 1:1250 (A1)
SCALE 1:2500 (A3)

METRES

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

Order Limits  Permanent Acquisition of Land Grassland (LE 1)  LE 1.3 Species Rich Grassland  LE 1.31 Species Rich Chalk Grassland  LE 1.32 Species Rich Annual Wildflower Grassland  LE 1.4 Rock and Scree	Planting (LE 2)  LE 2.1 Woodland  LE 2.11 Woodland With Non-Native Species  LE 2.14 Wet / Carr Woodland  LE 2.2 Woodland Edge  LE 2.22 Scrub Woodland  LE 2.4 Linear Belt of Shrubs and Trees	 LE 2.5 Shrubs With Intermittent Trees  LE 2.7 Scattered Trees  LE 2.8 Scrub / Scattered Scrub Hedges (LE 4)  LE 4.3 Native Species Hedge (untrimmed)  LE 2.22 Scrub Woodland  LE 4.4 Native Hedgerow With Trees	Wetland Habitats (LE 6)  LE 6.11 Water Bodies and Associated Plants – Shallow Scrape
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NO DESIGN INFORMATION ON THIS SHEET
FOR ENVIRONMENTAL MASTERPLAN

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

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

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

Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZ, 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 (untrimmed)
- LE 2.22 Scrub Woodland
- LE 2.4 Linear Belt of Shrubs and Trees

Shrubs With Intermittent Trees

- LE 2.5

Scattered Trees

- LE 2.7

Scrub / Scattered Scrub

- LE 2.8

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

Wet Grassland

- LE 6.4

Marsh and Wet Grassland - Coastal Grazing Marsh

- LE 6.41

Reinforced Earth Band

- LE 7.4

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

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)

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)

Earthworks

- Proposed Contours

Client

national highways

Project

LOWER THAMES CROSSING

Status

Initial Status or WIP

Application Document Number

TR010032/APP/6.2

Drawing title

**ENVIRONMENTAL MASTERPLAN
SECTION 11
SHEET 20**

Drawing Number

HE540039-CJV-EGN-S11_EN000000_Z-DR-ZZ-00021

Original Size

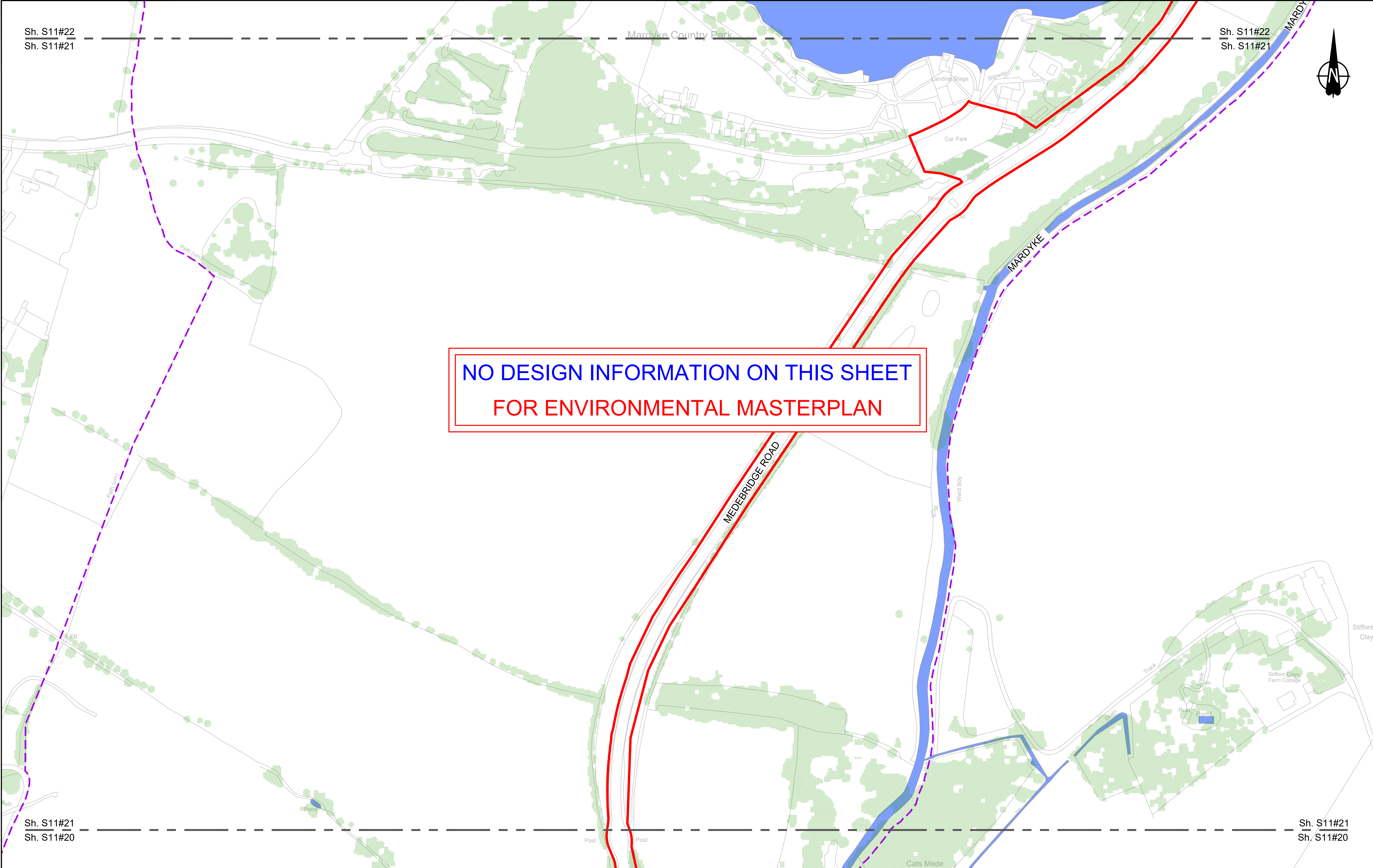
A1

Revision

P01.6

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.

P01.6 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
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 6.11 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

Hard Landscape Features (LE 7)
LE 7.4 Reinforced Earth Bund
Earthworks
Proposed Contours

Ecological Habitats (LE 8)
LE 8.1 Open Mosaic Habitat
LE 8.2 Ancient Woodland Compensation Planting
LE 8.3 Woodland Mitigation Planting
LE 8.4 Wetland / Fenland Creation
LE 8.5 Ecology Pond (indicative symbol only)
LE 8.6 Acid Grassland Soil Salvage

Noise (E 1)
LE 8.7 Nitrogen Deposition (NDEP) Compensation Area
E 1.2 Acoustic Barrier-Built Elements (typically inc. highway boundary fence)

Water (E 2)
Flood Compensation Areas (E 2-FCA)
Flood Defence (E 2-FD)

Ecological (E 3)
E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
E 3.2 Dormouse Boxes
E 3.2 Bat Boxes
E 3.2 Ecological Culvert
E 3.2 Bat Barn Block

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

Client

national highways

Project

LOWER THAMES CROSSING

Status

Initial Status or WIP

Application Document Number

TR010032/APP/6.2

Drawing title

**ENVIRONMENTAL MASTERPLAN
SECTION 11
SHEET 21**

Drawing Number

HE540039-CJV-EGN-S11_EN000000_Z-DR-ZZ-00022

Original Size

A1

Revision

P01.6

Scale

1:1250



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0 10 20 30 40 50 60 70 80 90 100

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 25/03/2022 LD

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd
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Environmental Mitigation Legend: Refer to Main Legend for baseline and scheme features (Dwg: HE540039-CJV-EGN-SZZ_EN000000_Z-DR-ZZ-00001).

Grassland (LE 1)

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

Planting (LE 2)

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

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
- LE 6.2 Banks and Ditches
- LE 6.21 Banks and Ditches – High Tide Roost Features

Hard Landscape Features (LE 7)

- LE 7.4 Reinforced Earth Bund

Earthworks

- Proposed Contours

Ecological Habitats (LE 8)

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

Noise (E 1)

- LE 8.7 Nitrogen Deposition (NDEP) Compensation Area

Water (E 2)

- Flood Compensation Areas (E 2-FCA)
- Flood Defence (E 2-FD)

Ecological (E 3)

- E 3.2 Ecological Habitat Creation and Receptor sites for Protected Species
- E 3.2 Dormouse Boxes
- E 3.2 Bat Boxes
- E 3.2 Ecological Culvert
- E 3.2 Bat Barn Block

E 3.2 Ecological Fencing (inc. highway boundary fence)

- E 3.2 Barn Owl Box

Client

Project

LOWER THAMES CROSSING

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

Drawing title

ENVIRONMENTAL MASTERPLAN

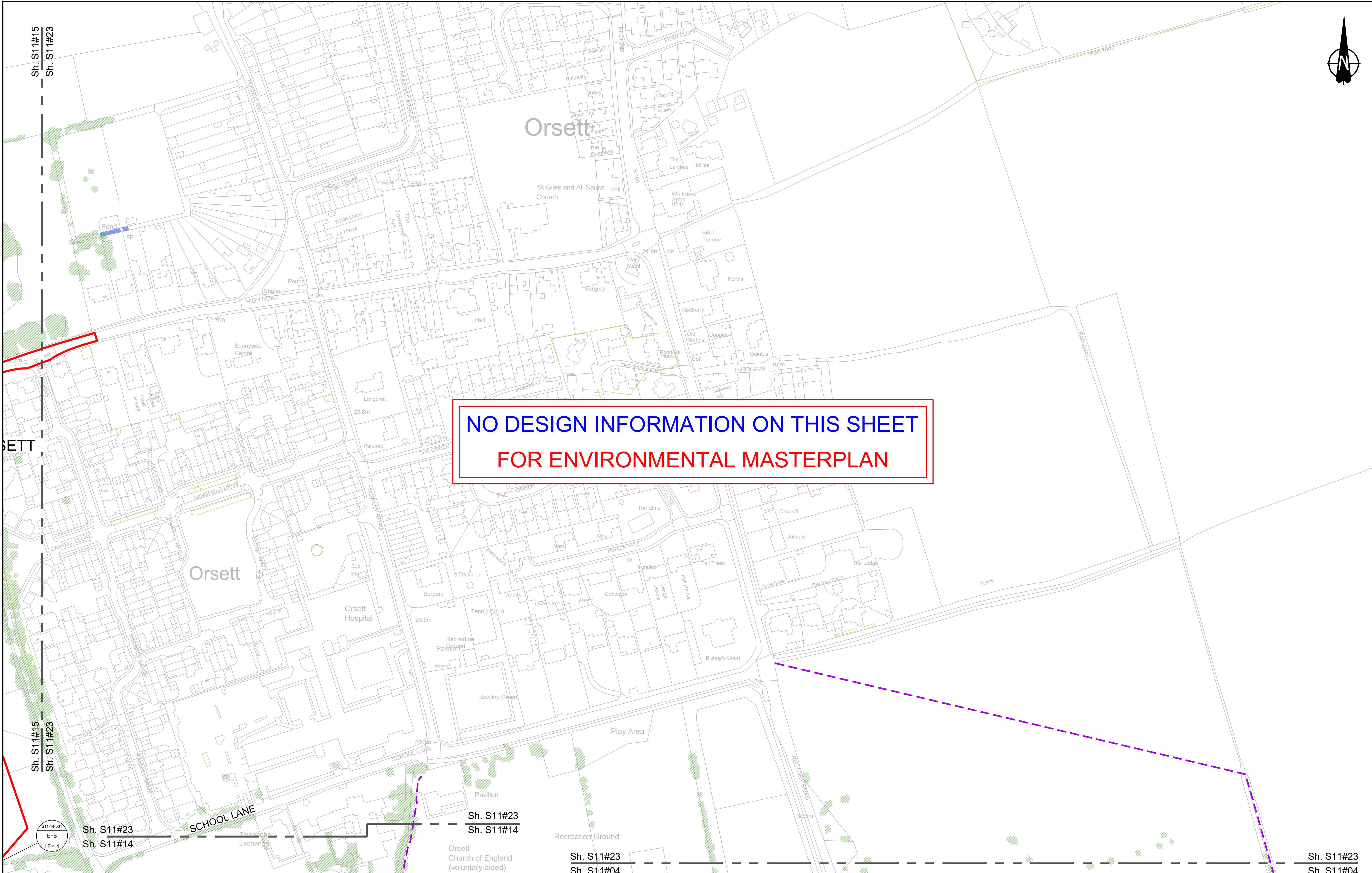
SECTION 11

SHEET 22

Drawing Number

HE540039-CJV-EGN-S11_EN000000_Z-DR-ZZ-00023

HE540039-CJV-EGN-S11_EN000000_Z-DR-ZZ-00023.dwg



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P01.1	SO	03/08/2022	LD
Rev	Status	Rev. Date	Purpose of revision
Drawn	Check'd	Apprv'd	

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

Order Limits

Permanent Acquisition of Land

Grassland (LE 1)

Planting (LE 2)

Wetland Habitats (LE 6)

Hard Landscape Features (LE 7)

Earthworks

Individual Trees (LE 5)

Wetland Habitats (LE 6)

Ecological Habitats (LE 8)

Noise (E 1)

Water (E 2)

Ecological (E 3)

E 3.2 Barn Owl Box

E 3.2 Ecological Fencing (inc. highway boundary fence)

Client

national highways

Project

LOWER THAMES CROSSING

Status

Initial Status or WIP

Application Document Number

TR010032/APP/6.2

Drawing title

ENVIRONMENTAL MASTERPLAN

SECTION 11

SHEET 23

Drawing Number

HE540039-CJV-EGN-S11_EN000000_Z-DR-ZZ-00024

Original Size

A1

Revision

P01.1

Scale

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