

# Lower Thames Crossing

## 6.3 Environmental Statement Appendices Appendix 8.17 - Draft EPS mitigation licence application - great crested newts (Clean version)

(7 of 8)

APFP Regulation 5(2)(a)

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

Volume 6

**DATE: December 2023**  
**DEADLINE: 8**

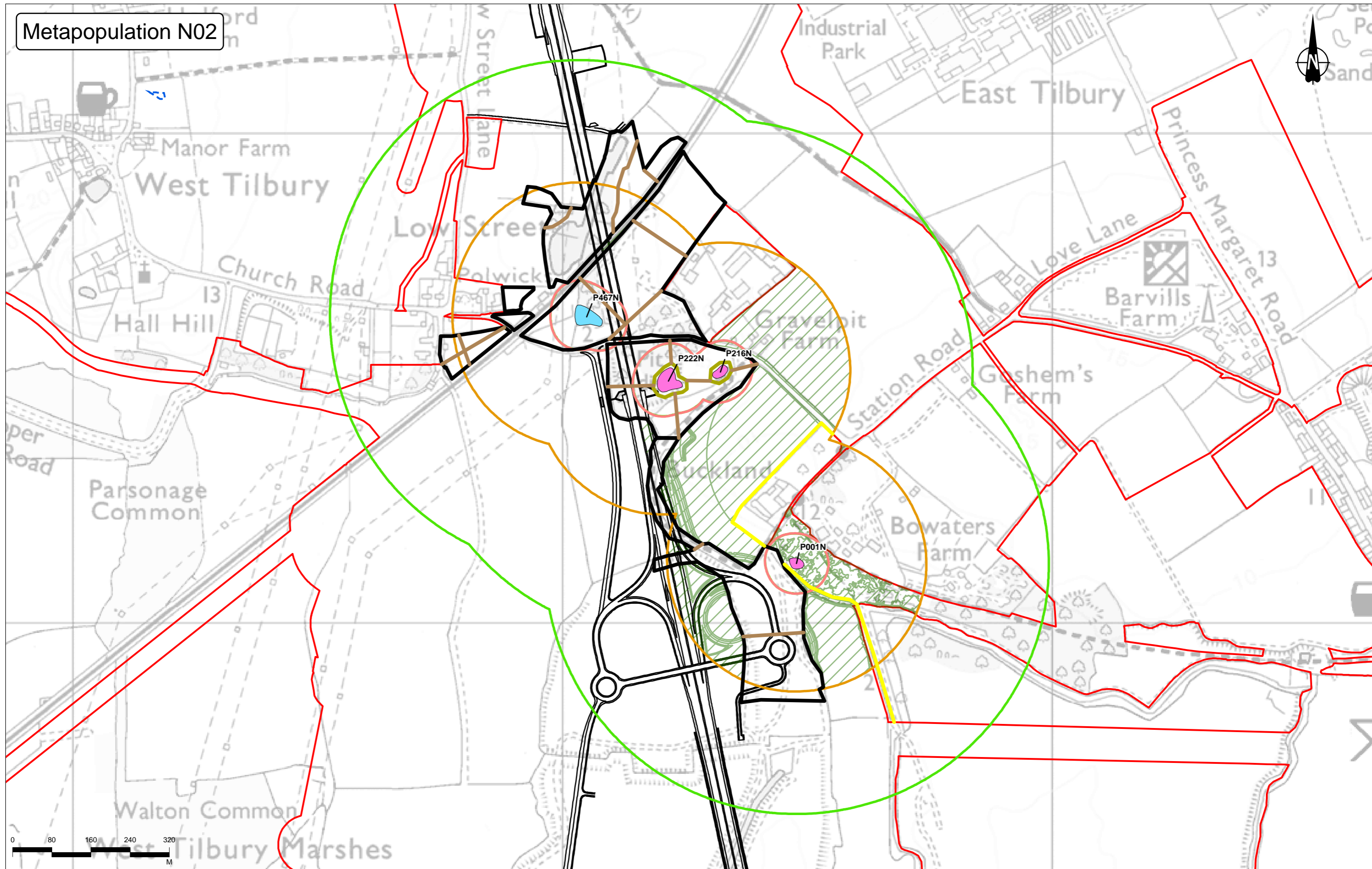
Planning Inspectorate Scheme Ref: TR010032  
Application Document Ref: TR010032/APP/6.3

**VERSION: 2.0**

### Revision history

Version	Date	Submitted at
1.0	31 October 2022	DCO Application
2.0	5 December 2023	Deadline 8

# Metapopulation N02

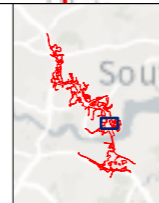


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P02	S8	27/09/2022	DCO Application	CD	HT	BF
P03	S9	24/05/2023	Natural England comments	CD	SM	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

### Legend

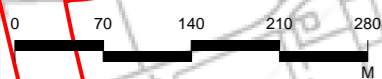
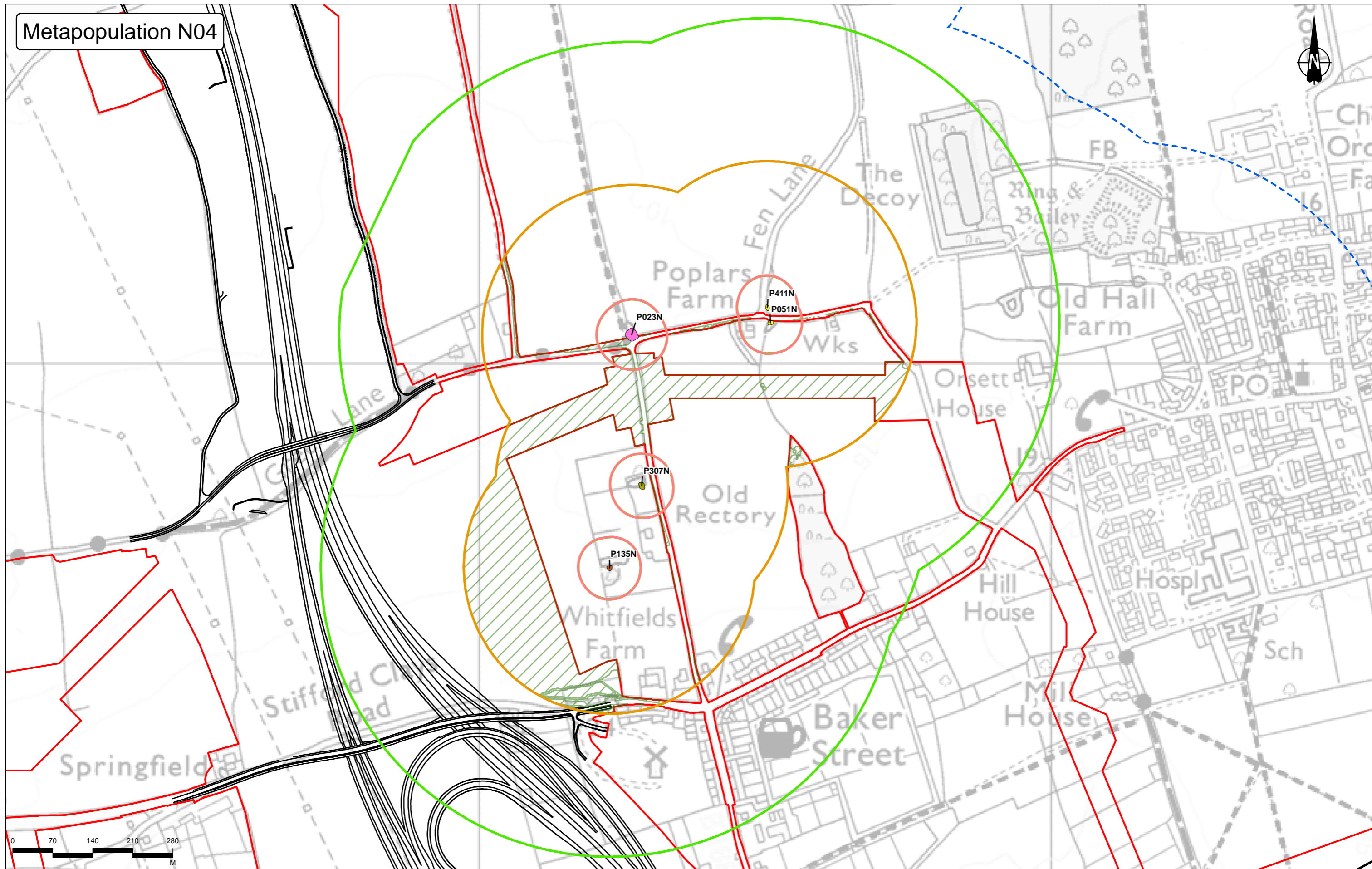
- |                      |                              |                  |                    |
|----------------------|------------------------------|------------------|--------------------|
| Order Limits         | Ponds Present - Conventional | 250m pond buffer | TAF Exclusion only |
| Route alignment      | Assumed present - eDNA       | 500m pond buffer | Fencing            |
| GCN survey area      | Pond buffers                 | DAF 30 Day       | Ring 60 day        |
| Habitat manipulation | 50m pond buffer              | TAF 30 Day       | TAF 30 day         |



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**LOWER THAMES CROSSING**

Status	DCO APPLICATION	Original Size	A3	Revision	P03
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing Title	Figure E4a - Capture and Exclusion Metapopulation N02				
	Page 9 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60036				

Metapopulation N04

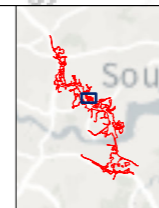


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**Legend**

- |                      |                               |                  |
|----------------------|-------------------------------|------------------|
| Order Limits         | Ponds Present - Conventional  | 50m pond buffer  |
| Route alignment      | Present - Desk Study          | 250m pond buffer |
| GCN survey area      | Present - Incidental sighting | 500m pond buffer |
| Habitat manipulation | Assumed present - No access   |                  |

P02	S8	27/09/2022	DCO Application	CD	HT	BF
P03	S9	24/05/2023	Natural England comments	CD	SM	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Appr'd

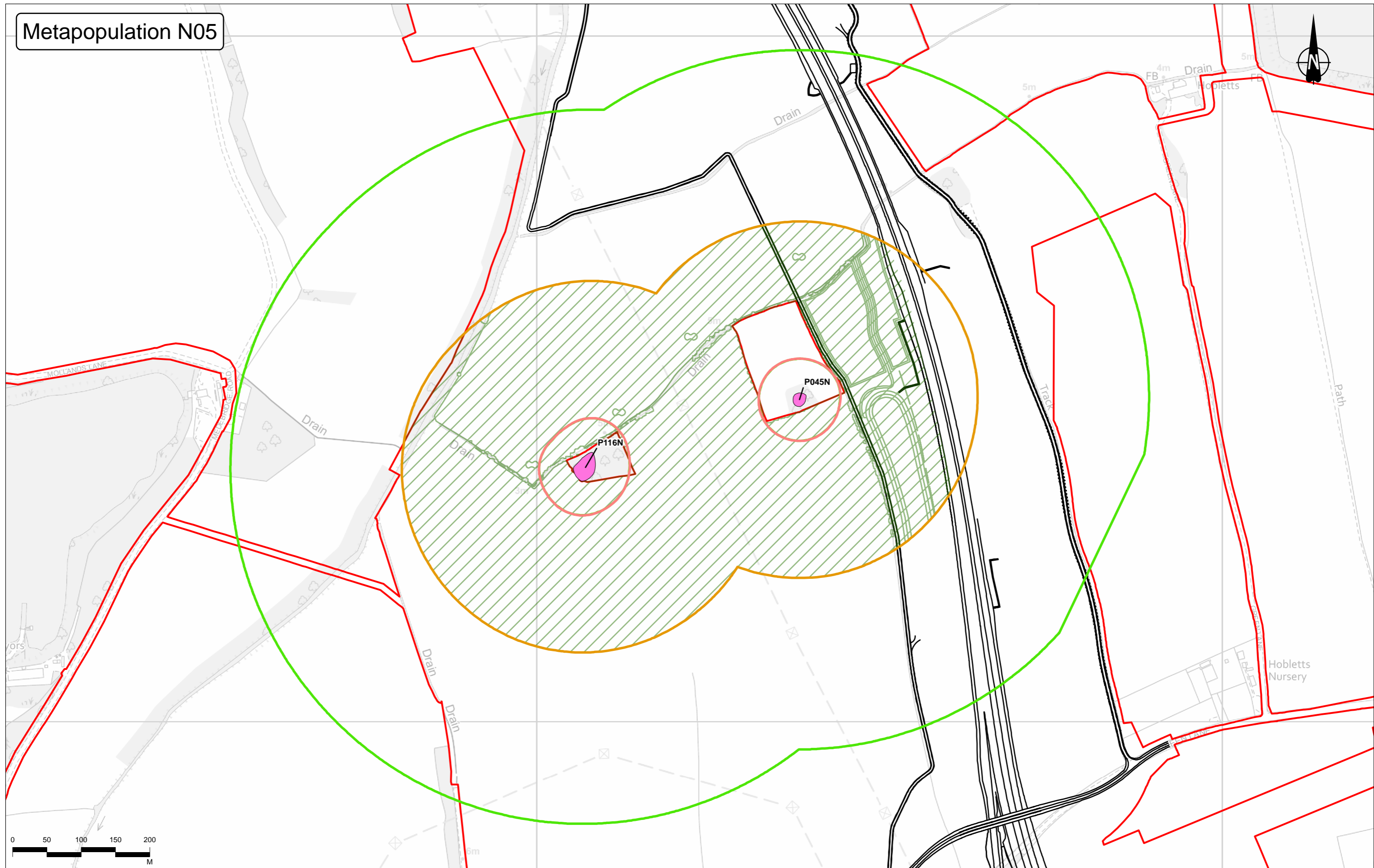


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Status	DCO APPLICATION	Original Size	A3	Revision	P03
Application Document Number	TR010032/APP/6.3	Scale	1:6,000		
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	Page 10 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60036				

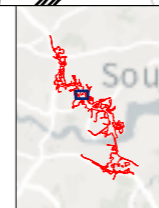
# Metapopulation N05



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Appr'd
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P03	S9	24/05/2023	Natural England comments	CD	SM	BF

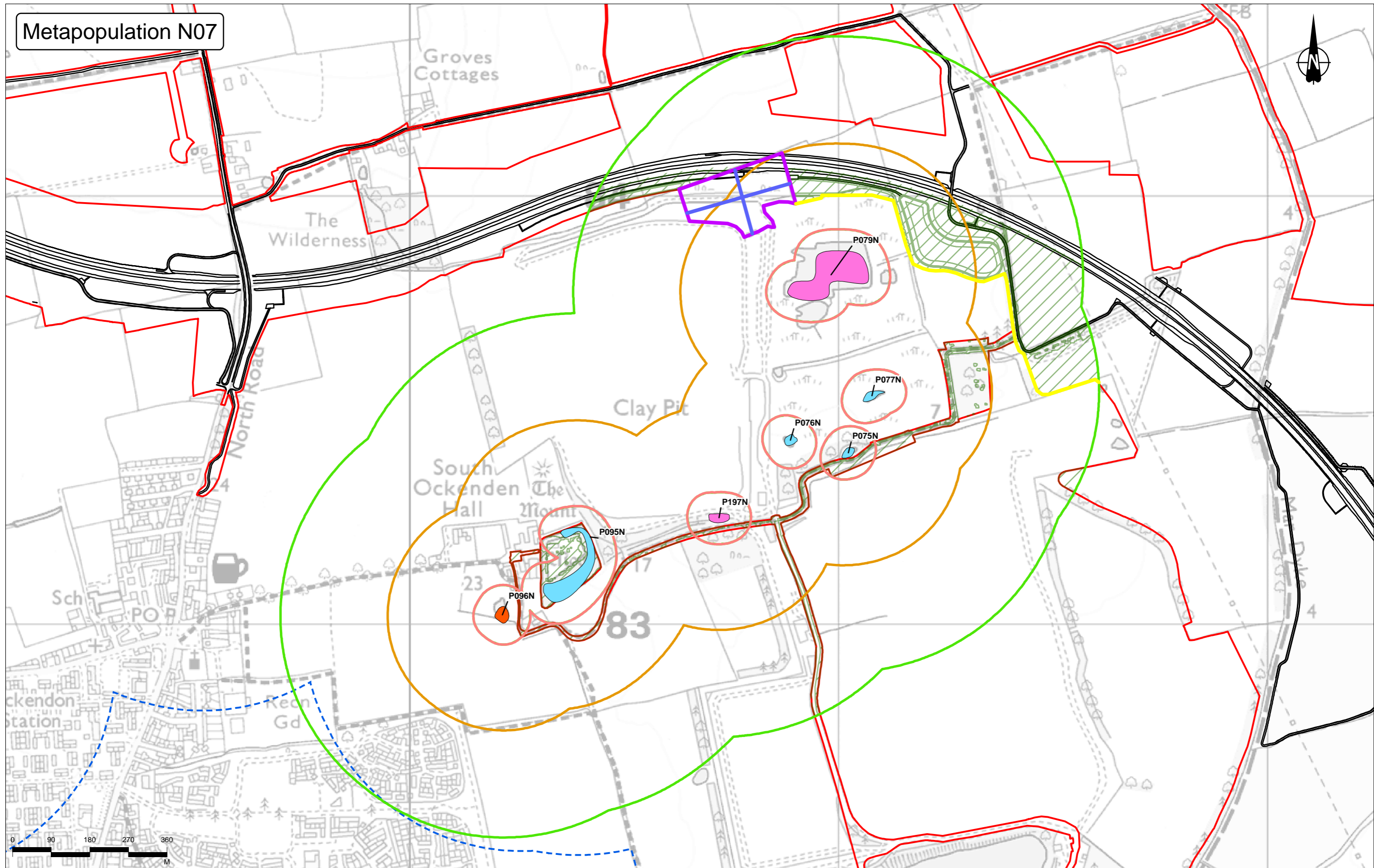
Legend			
	Order Limits		250m pond buffer
	Route alignment		Present - Conventional
	GCN survey area		500m pond buffer
	Habitat manipulation		50m pond buffer



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Status	DCO APPLICATION	Original Size	A3	Revision	P03
Application Document Number	TR010032/APP/6.3	Scale	1:5,000		
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	Page 11 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60036				

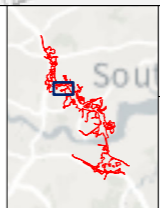
Metapopulation N07



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P02	S8	27/09/2022	DCO Application	CD	HT	BF
P03	S9	24/05/2023	Natural England comments	CD	SM	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

Legend		Ponds		Pond buffers		Fencing	
	Order Limits		Present - Conventional		50m pond buffer		DAF 60 Day
	Route alignment		Present - eDNA		250m pond buffer		TAF 60 Day
	GCN survey area		Assumed present - eDNA		500m pond buffer		TAF Exclusion only
	Habitat manipulation						

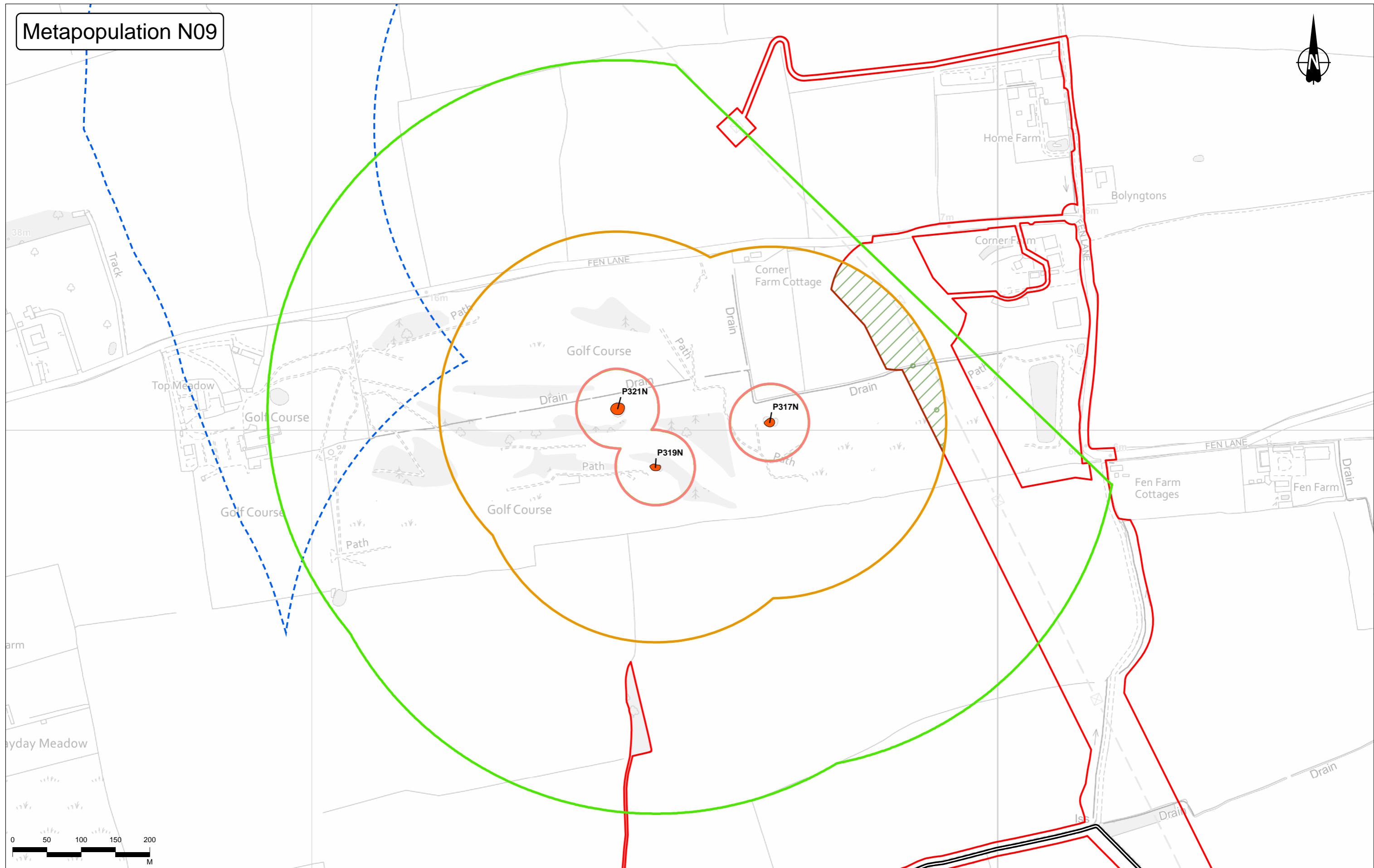


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Status	DCO APPLICATION	Original Size	A3	Revision	P03
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	Page 12 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60036				

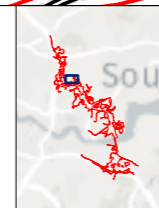
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P02	S8	27/09/2022	DCO Application	CD	HT	BF
P03	S9	24/05/2023	Natural England comments	CD	SM	BF

Legend			
Order Limits	Habitat manipulation	<b>Pond buffers</b>	250m pond buffer
Route alignment	<b>Ponds</b>	50m pond buffer	500m pond buffer
GCN survey area	Present - eDNA		



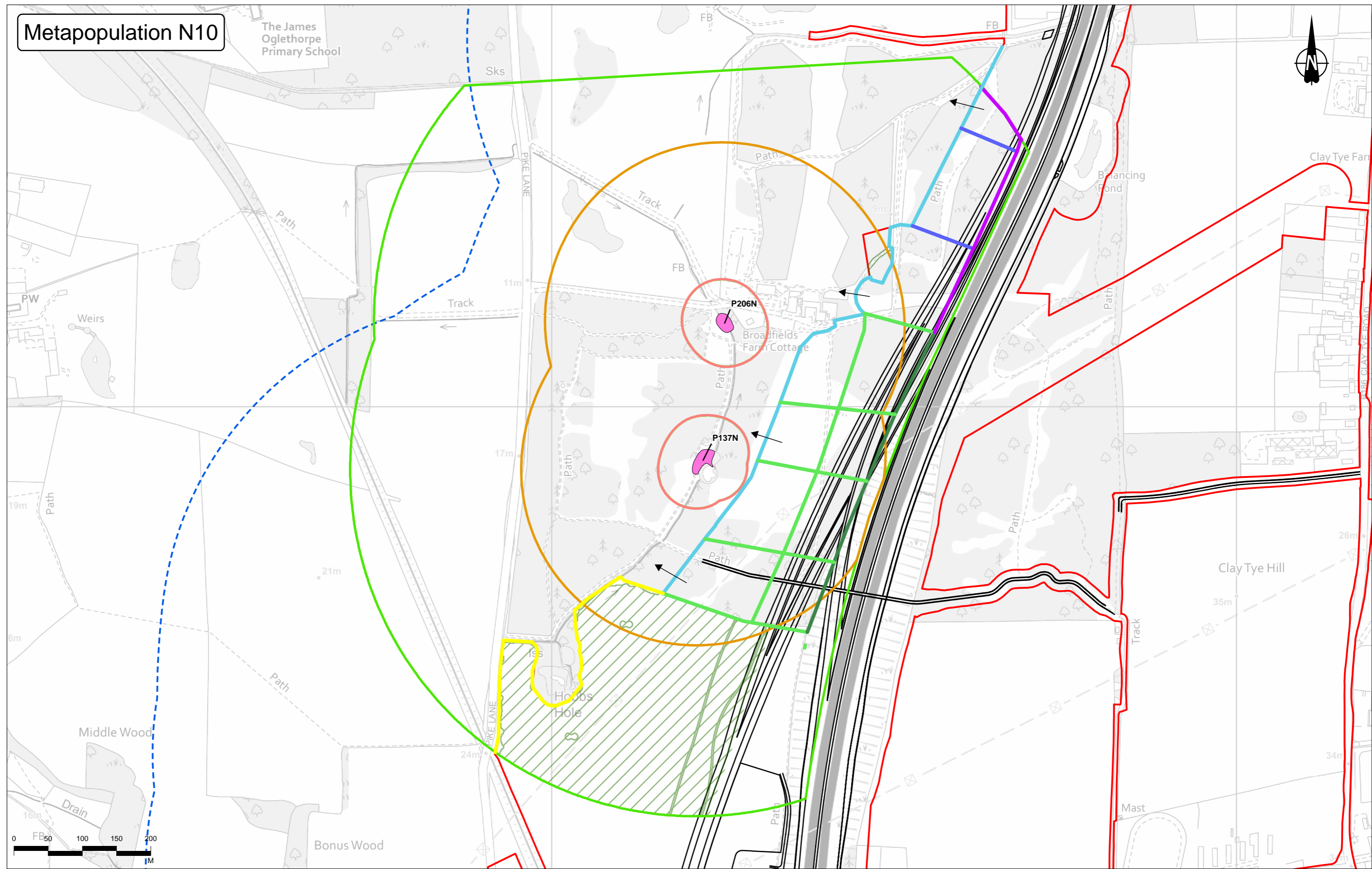
Client  
**national highways**

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**LOWER THAMES CROSSING**

Status	DCO APPLICATION	Original Size	A3	Revision	P03
Application Document Number	TR010032/APP/6.3	Scale	1:5,000		
Drawing Title	Figure E4a - Capture and Exclusion Metapopulation N09				
	Page 13 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60036				

# Metapopulation N10

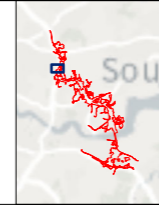
The James Oglethorpe Primary School



P02	S8	27/09/2022	DCO Application	CD	HT	BF
P03	S9	24/05/2023	Natural England comments	CD	SM	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

Order Limits	Ponds Present - Conventional	500m pond buffer	TAF 60 Day
Route alignment	Pond buffers	DAF 60 Day	TAF 90 Day
GCN survey area	50m pond buffer	TAF Exclusion only	
Habitat manipulation	250m pond buffer	OWF	

GCN survey area	DAF 60 Day
Habitat manipulation	OWF



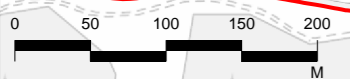
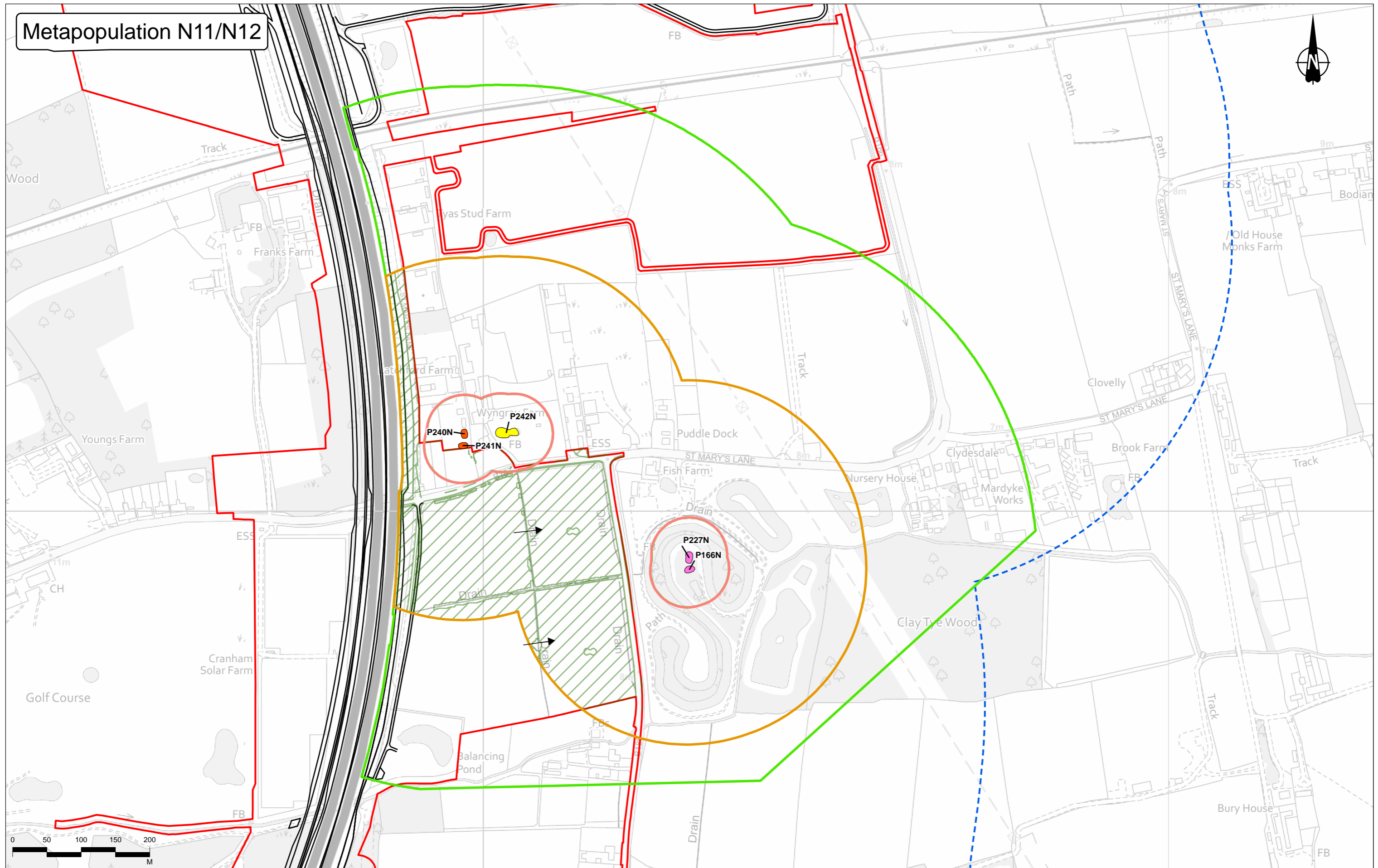
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P03
Application Document Number	TR010032/APP/6.3	Scale	1:5,000		
Drawing Title	Figure E4a - Capture and Exclusion Metapopulation N10				
	Page 14 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60036				



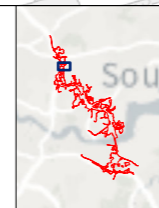
# Metapopulation N11/N12



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Appr'd
P02	S8	27/09/2022	DCO Application	CD	HT	BF
P03	S9	24/05/2023	Natural England comments	CD	SM	BF

Legend		Ponds	Pond buffers
	Order Limits		Present - Conventional
	Route alignment		Present - eDNA
	GCN survey area		Assumed present - No access
	Habitat manipulation		50m pond buffer
			250m pond buffer
			500m pond buffer



Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO APPLICATION	Original Size	A3	Revision	P03
Application Document Number	TR010032/APP/6.3	Scale	1:5,000		
Drawing Title	Figure E4a - Capture and Exclusion Metapopulation N11/N12				
	Page 15 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60036				

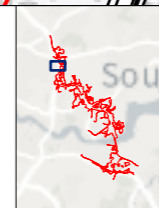
Metapopulation N13



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P03	S9	24/05/2023	Natural England comments	CD	SM	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprvd

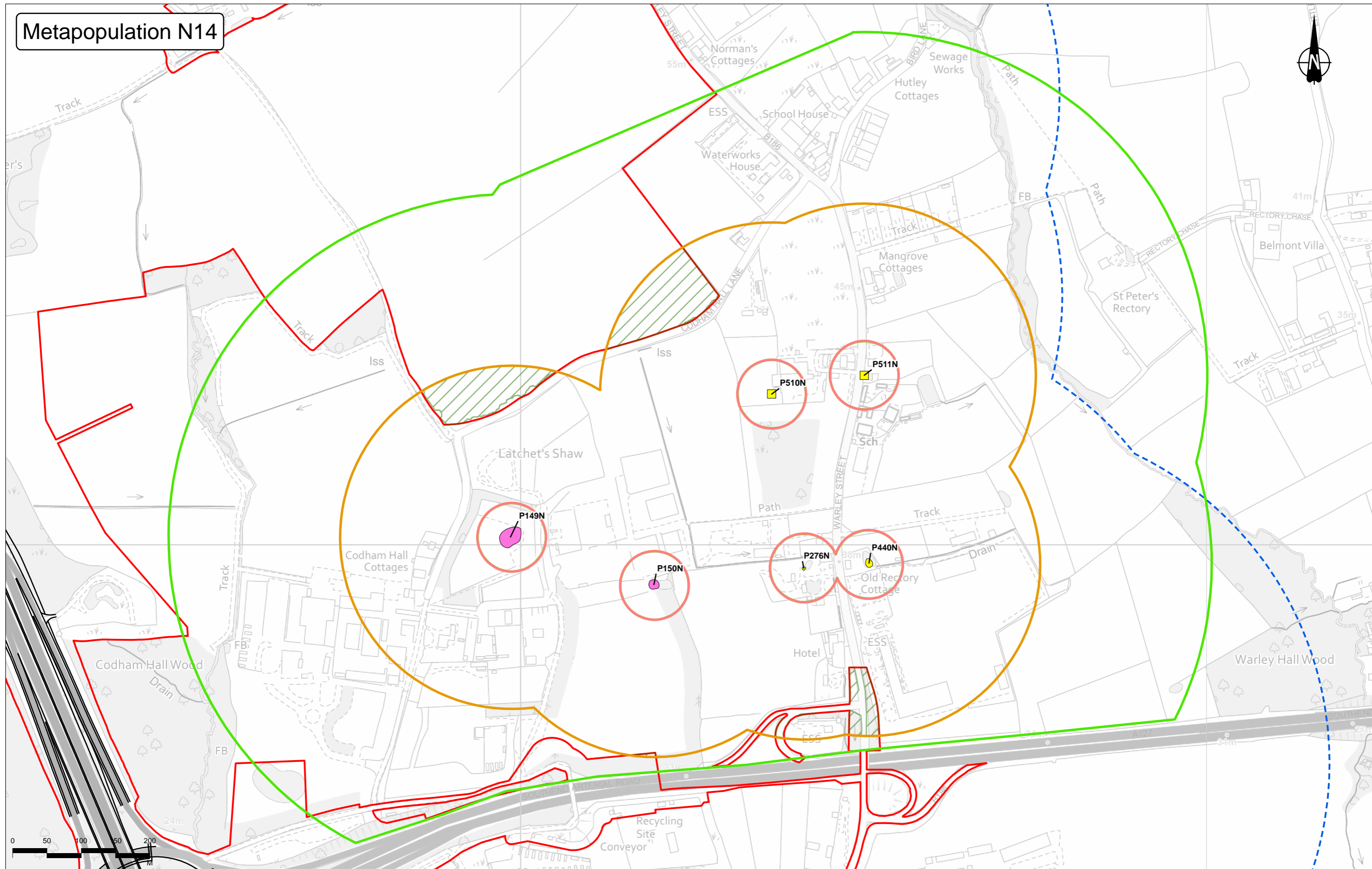
Order Limits	<b>Ponds</b>	250m pond buffer	TAF Exclusion only
Route alignment	Present - Conventional	500m pond buffer	<b>Fencing</b>
GCN survey area	Assumed present - No access	<b>Fencing</b>	DAF 90 Day
Habitat manipulation	<b>Pond buffers</b>	DAF 90 Day	TAF 90 Day
	50m pond buffer		



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Status	DCO APPLICATION	Original Size	A3	Revision	P03
Application Document Number	TR010032/APP/6.3	Scale	1:6,000		
Drawing Title	Figure E4a - Capture and Exclusion Metapopulation N13				
	Page 16 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60036				

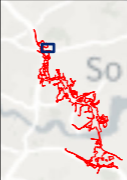
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P02	S8	27/09/2022	DCO Application	CD	HT	BF
P03	S9	24/05/2023	Natural England comments	CD	SM	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

Legend		Pond status, Survey year	Pond buffers
	Order Limits		
	Route alignment		
	GCN survey area		
	Habitat manipulation		



Client

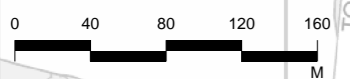
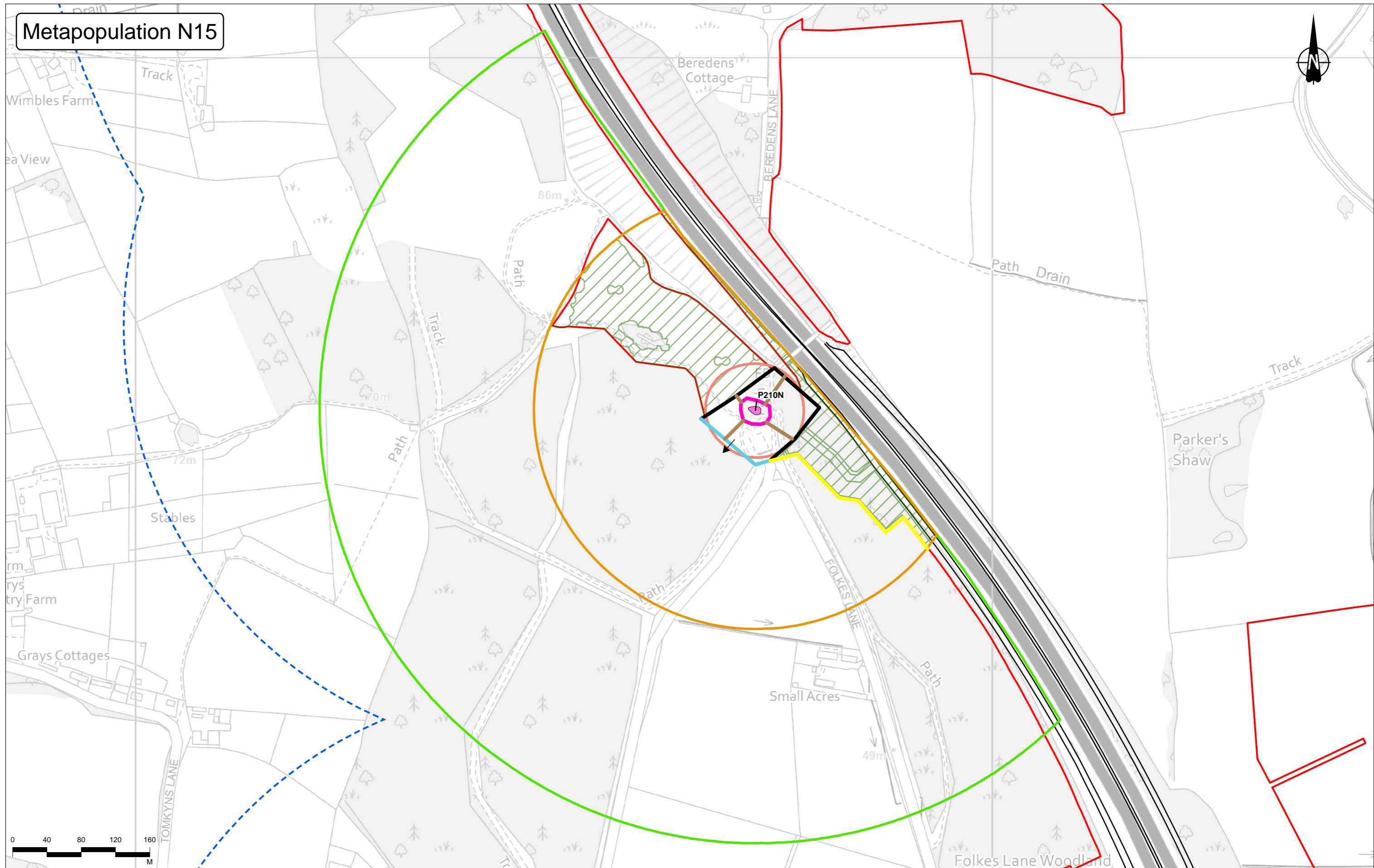


Project

**LOWER THAMES CROSSING**

Status	DCO APPLICATION	Original Size	A3	Revision	P03
Application Document Number	TR010032/APP/6.3	Scale	1:5,000		
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	Page 17 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60036				

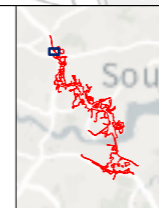
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P02	S8	27/09/2022	DCO Application	CD	HT	BF
P03	S9	24/05/2023	Natural England comments	CD	SM	BF

Legend	
Order Limits	Ponds Present - Conventional
Route alignment	500m pond buffer
GCN survey area	50m pond buffer
Habitat manipulation	250m pond buffer
Fencing DAF 30 Day	TAF Exclusion only
Fencing OWF	Fencing Ring 30 day
Fencing TAF 30 Day	

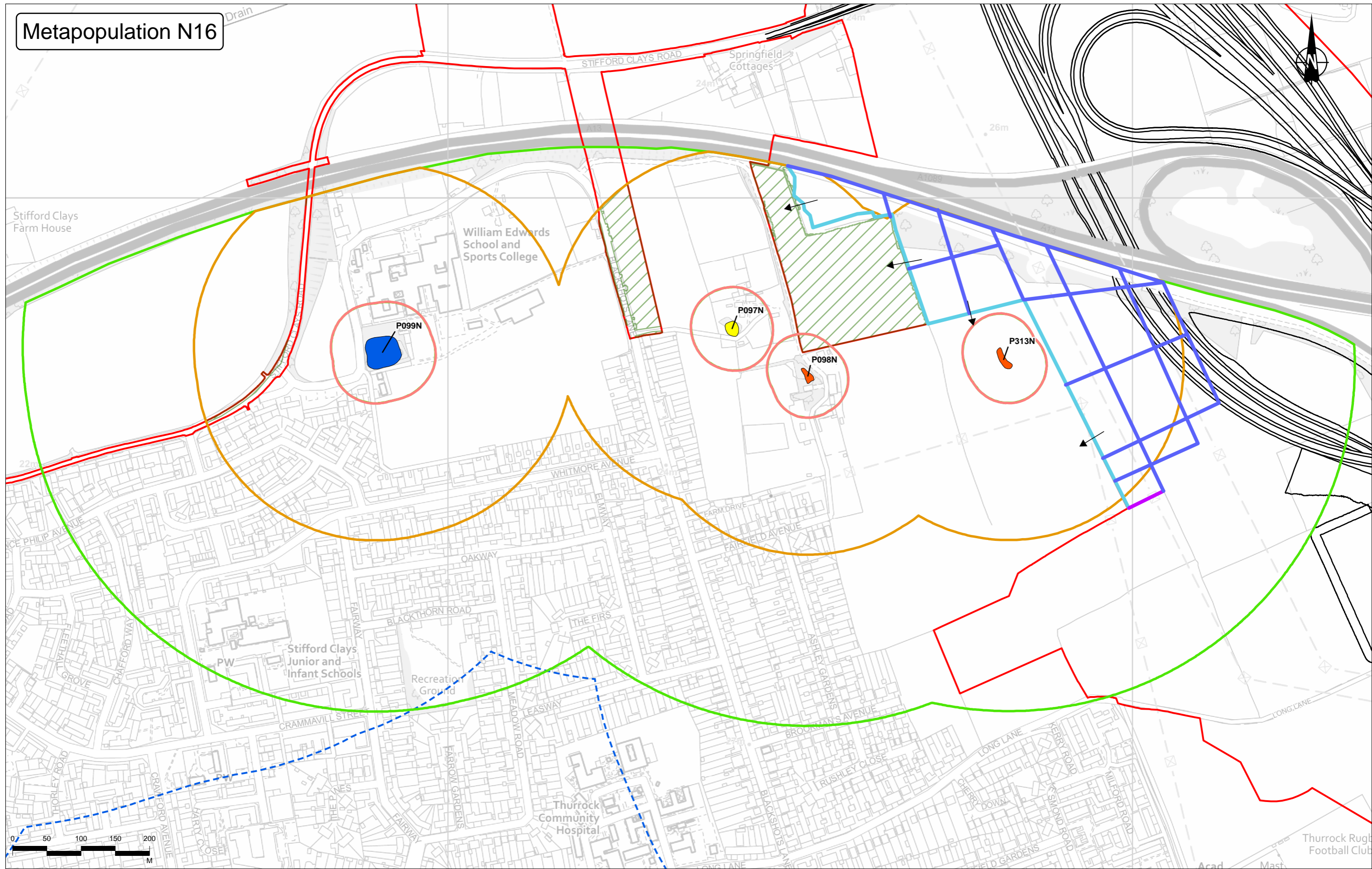


Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P03
Application Document Number	TR010032/APP/6.3	Scale	1:4,000		
Drawing Title	Figure E4a - Capture and Exclusion Metapopulation N15				
	Page 18 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60036				

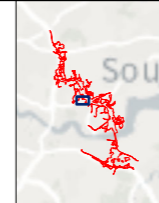
# Metapopulation N16



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P02	S8	27/09/2022	DCO Application	CD	HT	BF
P03	S9	24/05/2023	Natural England comments	CD	SM	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

- Legend**
- Order Limits
  - Route alignment
  - GCN survey area
  - Habitat manipulation
  - Ponds Present - eDNA
  - Assumed present - No access
  - Assumed present - eDNA inconclusive
  - Pond buffers 50m pond buffer
  - 250m pond buffer
  - 500m pond buffer

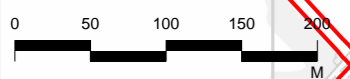
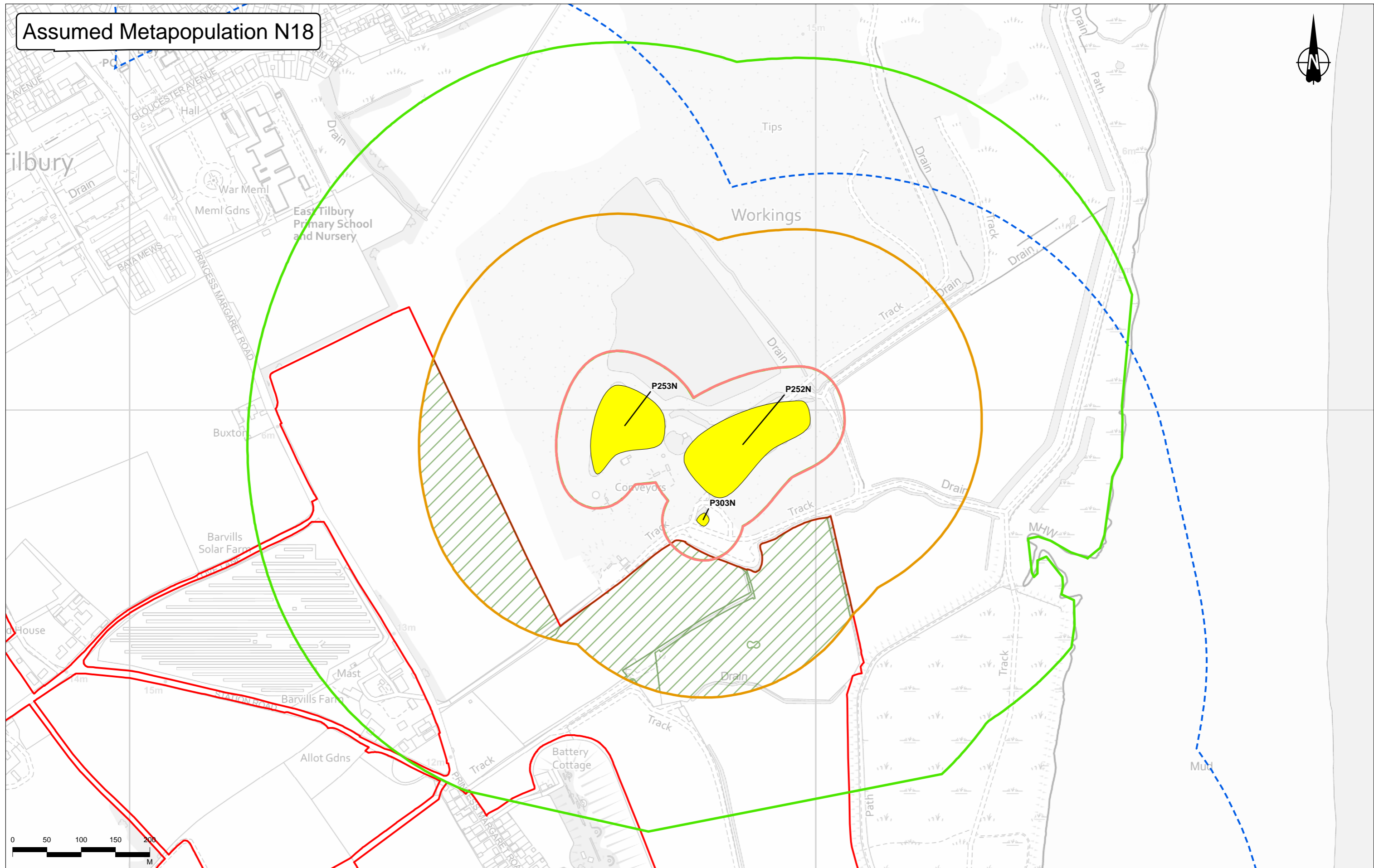


Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO APPLICATION	Original Size	A3	Revision	P03
Application Document Number	TR010032/APP/6.3	Scale	1:5,000		
Drawing Title	Figure E4a - Capture and Exclusion Metapopulation N16				
	Page 19 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60036				

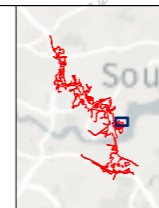
# Assumed Metapopulation N18



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
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P03	S9	24/05/2023	Natural England comments	CD	SM	BF

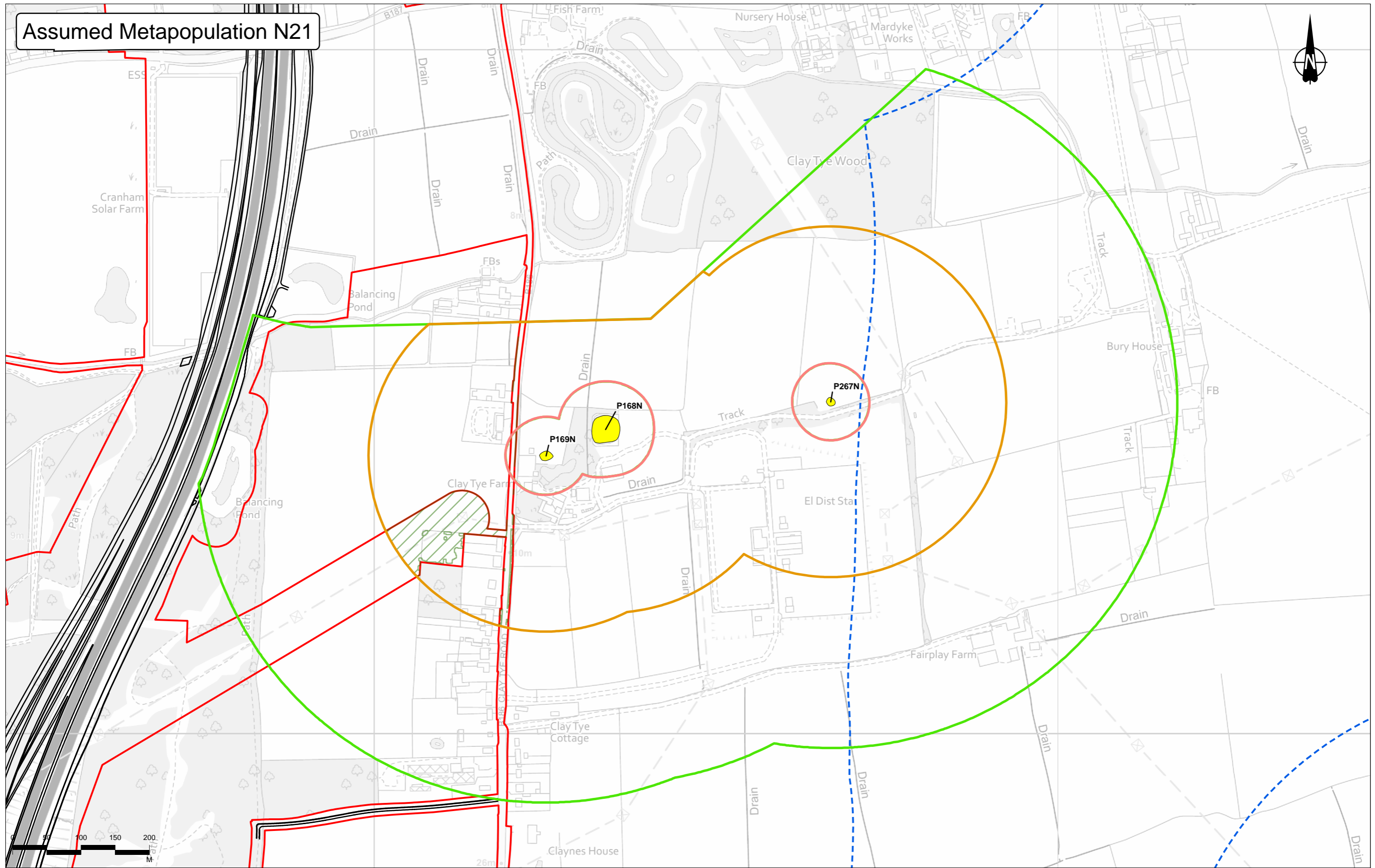
Legend	
	Order Limits
	GCN survey area
	Habitat manipulation
	Ponds
	Assumed present - No access
	Pond buffers
	50m pond buffer
	250m pond buffer
	500m pond buffer



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Status	DCO APPLICATION	Original Size	A3	Revision	P03
Application Document Number	TR010032/APP/6.3	Scale	1:5,000		
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	Page 20 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60036				

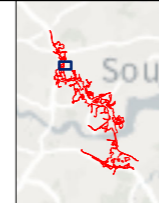
# Assumed Metapopulation N21



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P02	S8	27/09/2022	DCO Application	CD	HT	BF
P03	S9	24/05/2023	Natural England comments	CD	SM	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

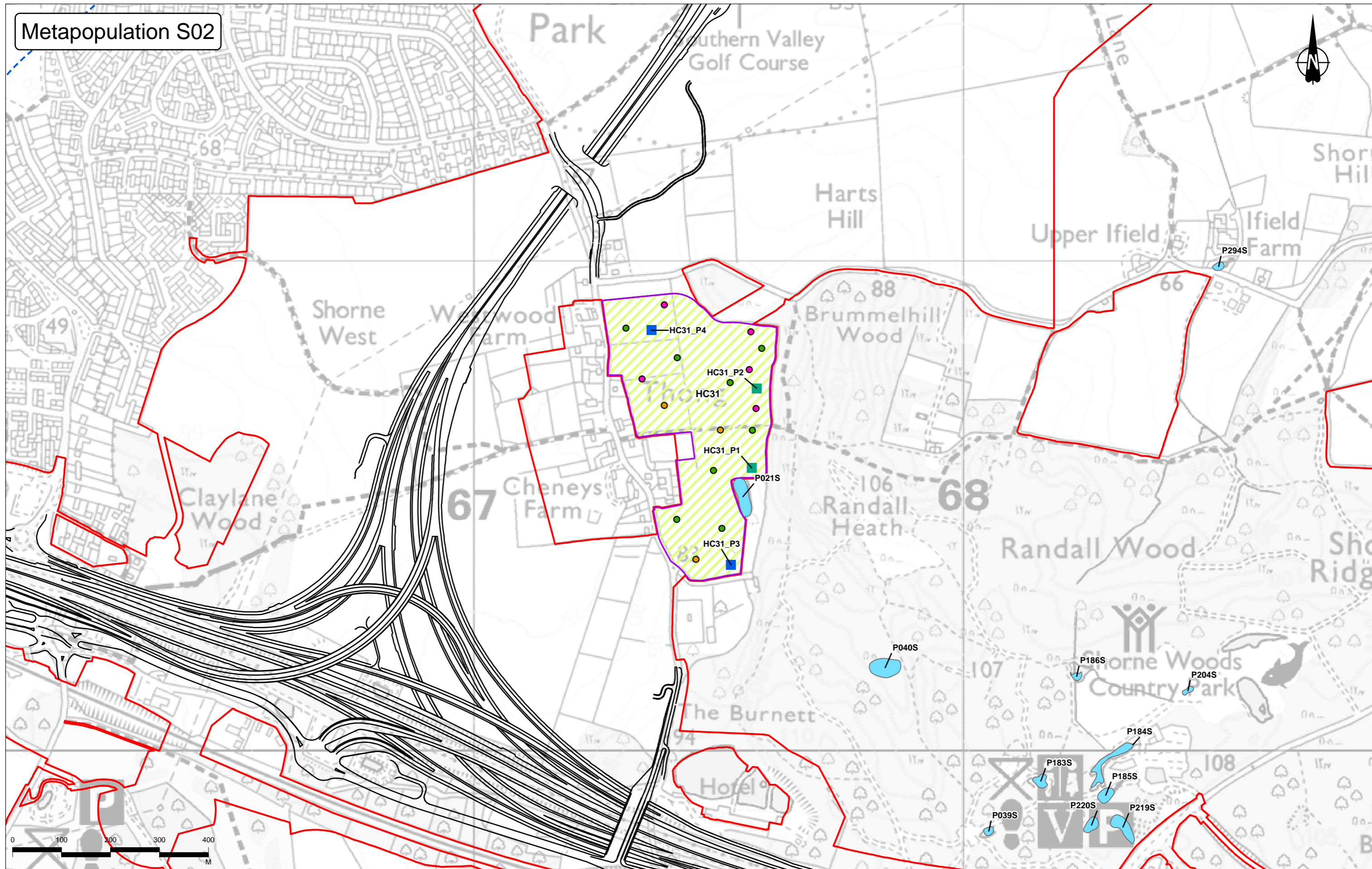
- Legend**
- ▭ Order Limits
  - Route alignment
  - - - GCN survey area
  - ▭ Habitat manipulation
  - ▭ Ponds
  - ▭ Assumed present - No access
  - ▭ Pond buffers
  - ▭ 50m pond buffer
  - ▭ 250m pond buffer
  - ▭ 500m pond buffer



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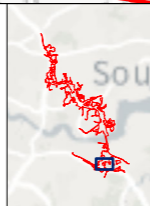
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Application Document Number	TR010032/APP/6.3	Scale	1:5,000		
Drawing Title	Figure E4a - Capture and Exclusion Assumed Metapopulation N21				
	Page 21 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60036				



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Appr'd
P02	S8	19/10/2022	DCO Application	CD	HT	BF

Legend		Landscape Habitat	
Order Limits	Mitigation Receptor Areas	Refugia	LE8.5 Ecology Pond (Indicative Symbol)
Route Alignment	Mitigation	Large hibernacula	LE8.1 Open Mosaic Habitat
GCN Survey Area	GCN Pond	Small hibernacula	LE2.2 Woodland Edge
Ponds	Non GCN Pond		



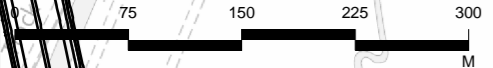
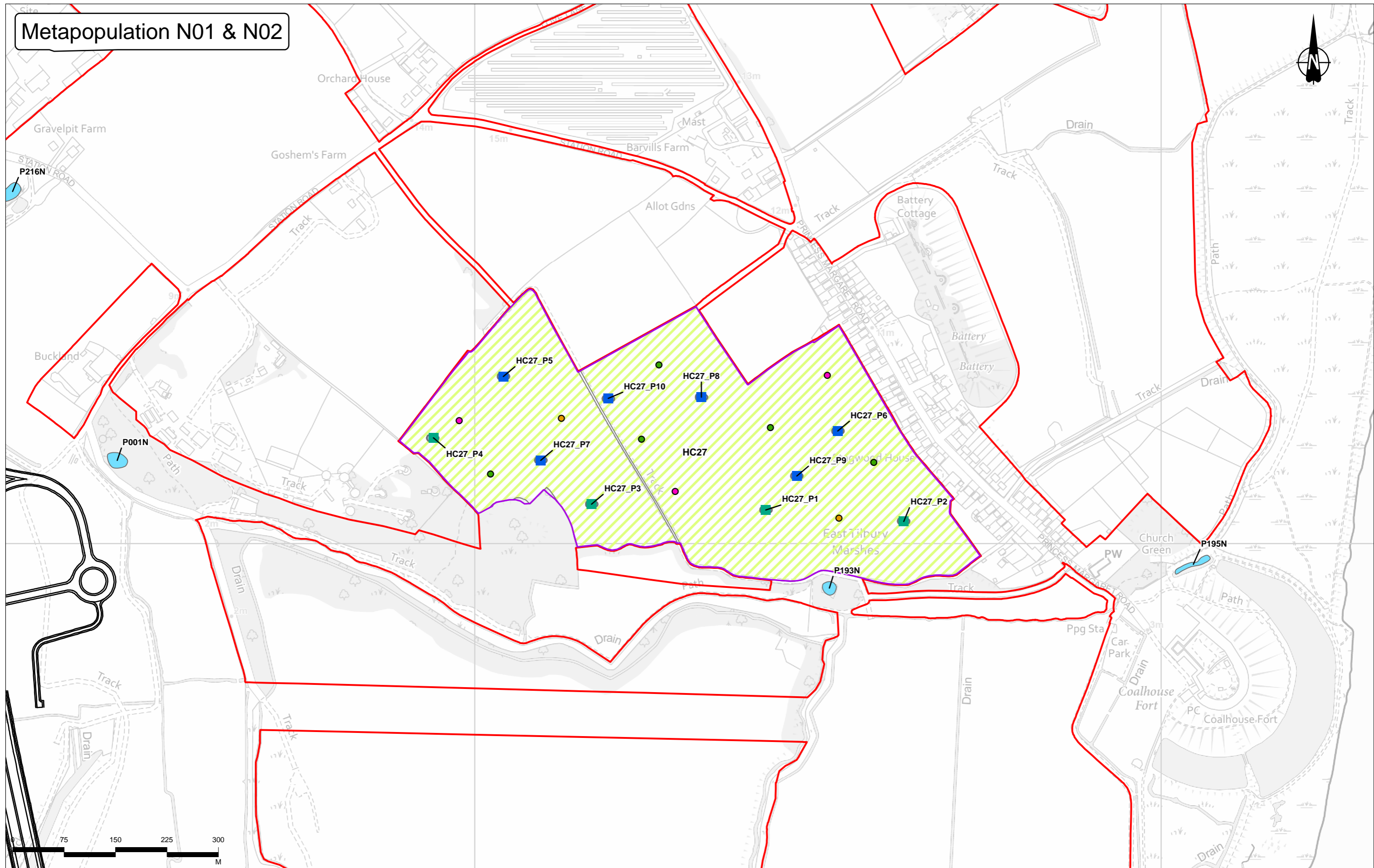
Client: national highways

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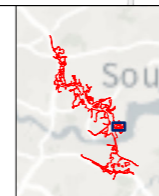
Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:7,000		
Drawing Title	Figure E5.1 - Post-Development Management and Maintenance Page 1 of 9				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60031				



# Metapopulation N01 & N02



Legend		Landscape Habitat	
Order Limits	Mitigation Receptor Areas	Refugia	LE8.5 Ecology Pond (Indicative Symbol)
Route Alignment	<b>Mitigation</b>	Large hibernacula	LE8.1 Open Mosaic Habitat
GCN Survey Area	GCN Pond	Small hibernacula	
Ponds	Non GCN Pond		



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**LOWER THAMES CROSSING**

Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:5,000		
Drawing Title	Figure E5.1 - Post-Development Management and Maintenance Page 2 of 9				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60031				

P02	S8	19/10/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Appr'd

# Metapopulation N05



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Appr'd
P02	S8	19/10/2022	DCO Application	CD	HT	BF

Legend		Landscape Habitat	
Order Limits	Mitigation Receptor Areas	Refugia	LE8.5 Ecology Pond (Indicative Symbol)
Route Alignment	Mitigation	Large hibernacula	LE8.1 Open Mosaic Habitat
GCN Survey Area	GCN Pond	Small hibernacula	
Ponds	Non GCN Pond		

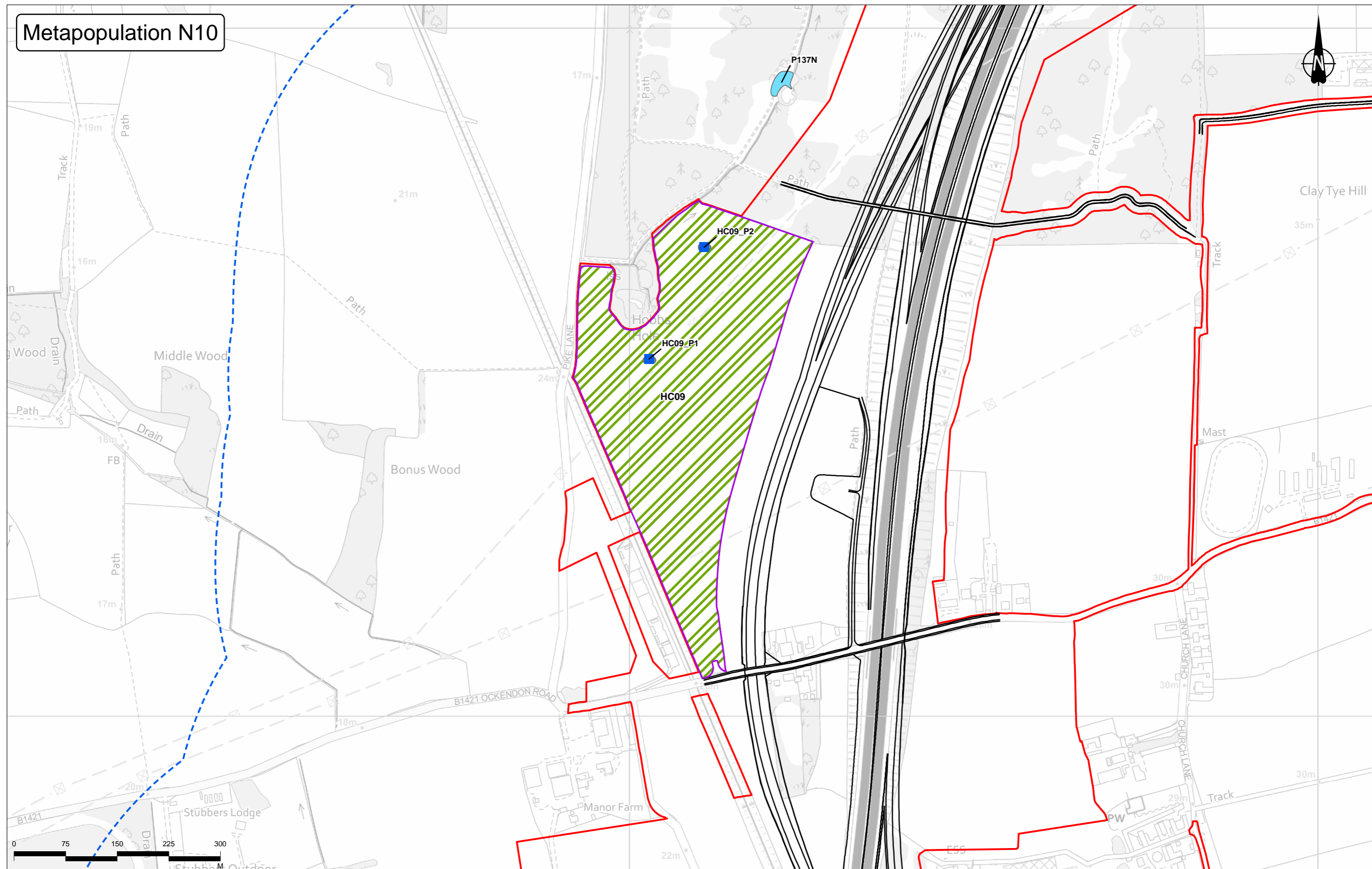
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:5,000		
Drawing Title	Figure E5.1 - Post-Development Management and Maintenance Page 3 of 9				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60031				

Z:\Environment\Environmental Statement\08\_Terrestrial Biodiversity\Licence\_Figures\HE540039-CJV-EBD-SZP\_EGNE0000000-DR-LE-60031 - Figure E5.1 Post-Development Management and Maintenance\HE540039-CJV-EBD-SZP\_EGNE0000000-DR-LE-60031 - Figure E5.1.aprx

# Metapopulation N10



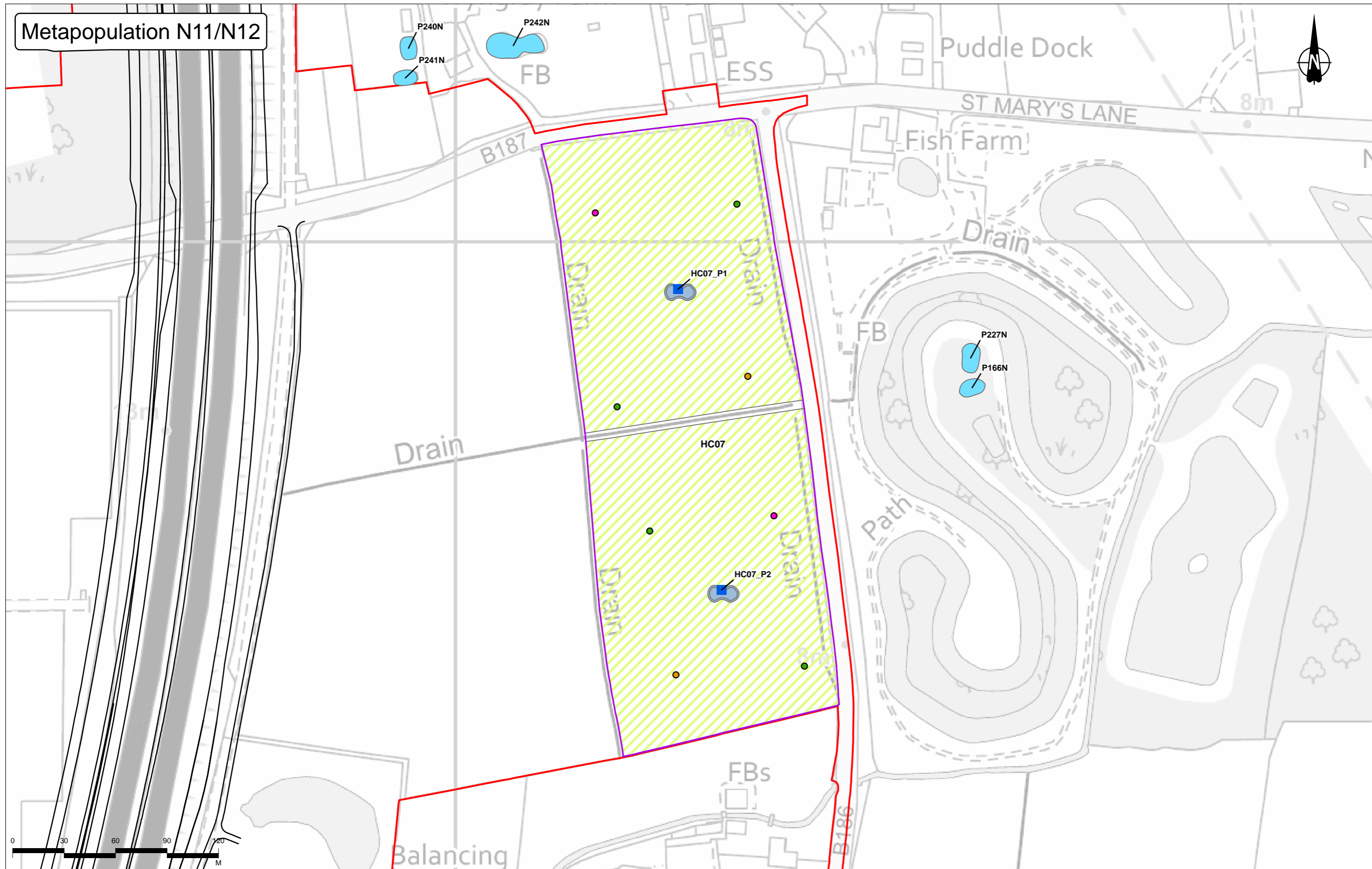
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Appr'd								
P02	S8	19/10/2022	DCO Application	CD	HT	BF								

Legend	
	Order Limits
	Route Alignment
	GCN Survey Area
	Ponds
	Mitigation Receptor Areas
Mitigation	
	Non GCN Pond
Landscape Habitat	
	LE2.11 Woodland with Non-Native Species
	LE2.2 Woodland Edge
	LE1.3 Species Rich Grassland
	LE2.1 Woodland Mitigation Planting
	LE8.5 Ecology Pond (Indicative Symbol)

	<p>Client</p>
<p>Project</p> <p><b>LOWER THAMES CROSSING</b></p>	<p>Status</p> <p>DCO APPLICATION</p> <p>Application Document Number</p> <p>TR010032/APP/6.2</p> <p>Drawing Title</p> <p><b>Figure E5.1 - Post-Development Management and Maintenance</b></p> <p>Page 4 of 9</p> <p>Drawing Number</p> <p>HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60031</p>

Original Size	A3	Revision	P02
Scale	1:5,000		

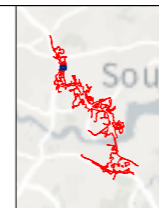
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P02	S8	19/10/2022	DCO Application	CD	HT	BF

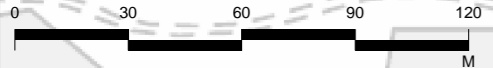
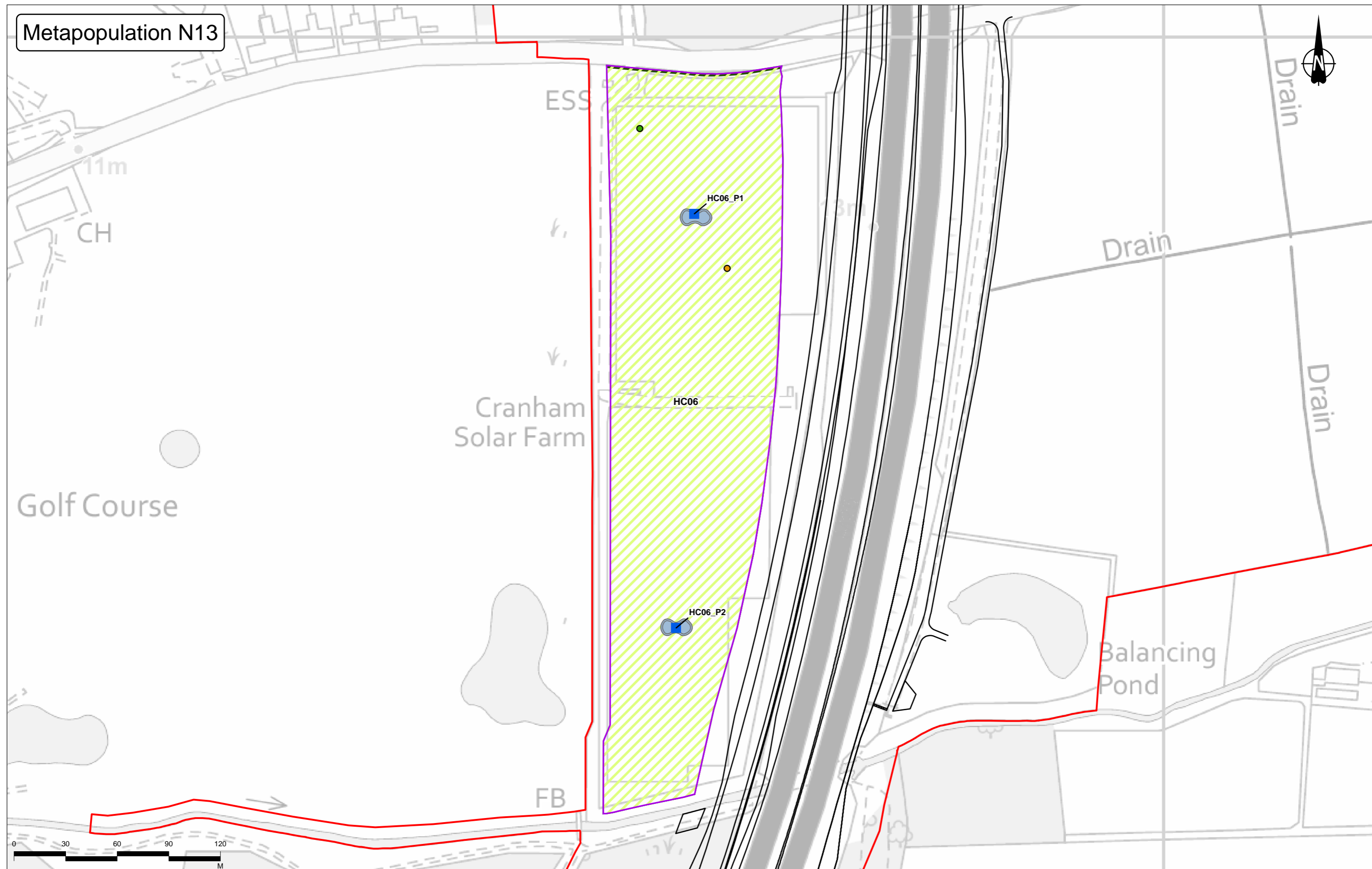
Legend		Mitigation		Landscape Habitat	
	Order Limits		Mitigation Receptor Areas		Large hibernacula
	Route Alignment		Non GCN Pond		Small hibernacula
	GCN Survey Area		Refugia		LE8.5 Ecology Pond (Indicative Symbol)
	Ponds		LE8.1 Open Mosaic Habitat		



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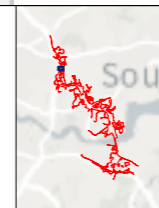
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Application Document Number	TR010032/APP/6.2	Scale	1:2,000		
Drawing Title	Figure E5.1 - Post-Development Management and Maintenance Page 5 of 9				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60031				



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Appr'd
P02	S8	19/10/2022	DCO Application	CD	HT	BF

Legend		Mitigation	Landscape Habitat		
	Order Limits		Non GCN Pond		LE4.3 Native Species Hedge (Untrimmed)
	Route Alignment		Refugia		LE8.5 Ecology Pond (Indicative Symbol)
	GCN Survey Area		Large hibernacula		LE1.3 Species Rich Grassland
	Mitigation Receptor Areas				LE8.1 Open Mosaic Habitat
					LE6.2 Banks and Ditches (Polygon)

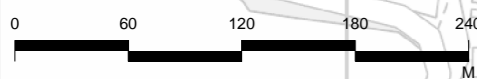
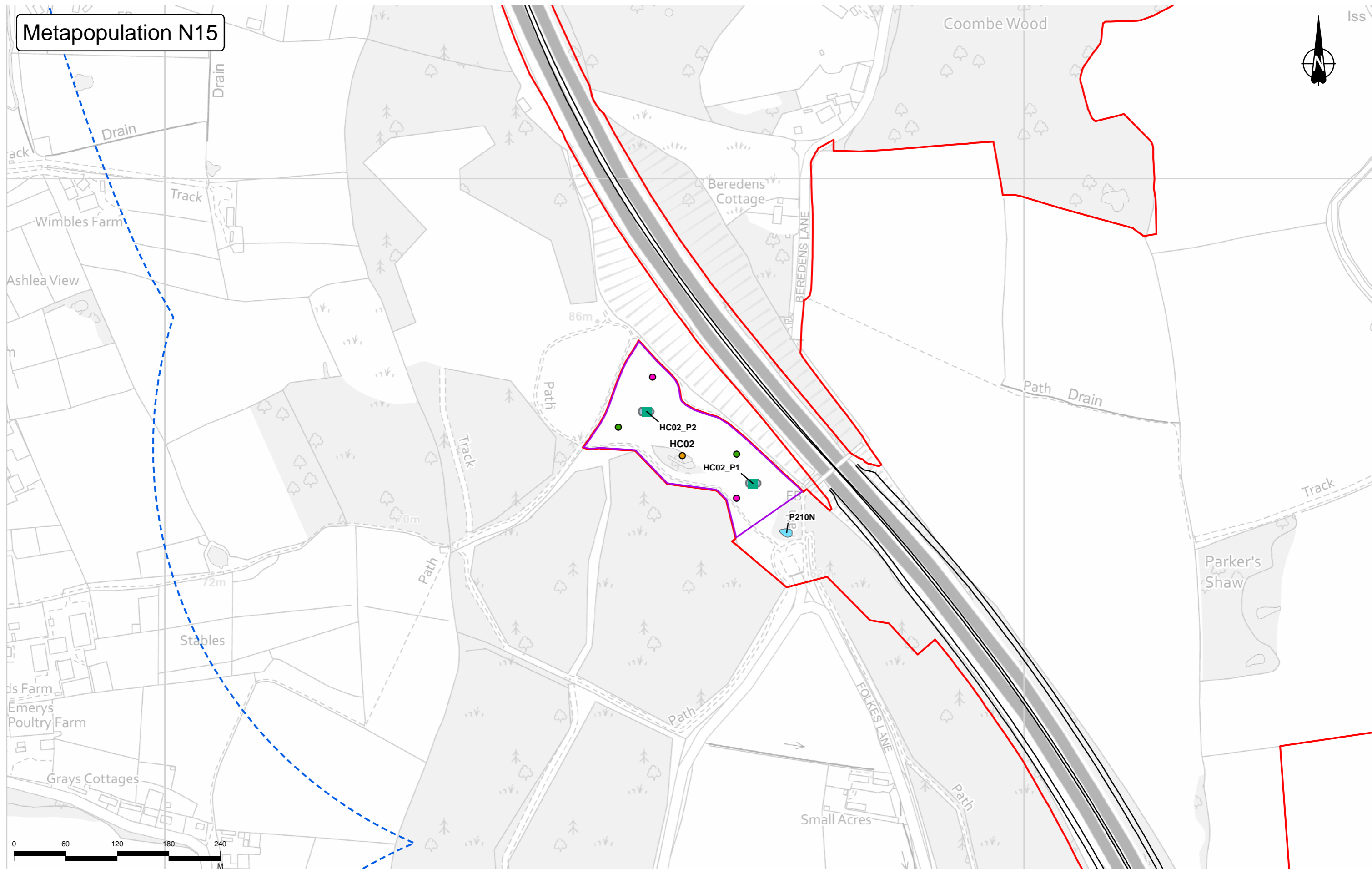


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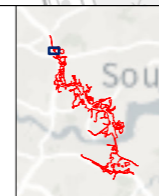
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Drawing Title	Figure E5.1 - Post-Development Management and Maintenance Page 6 of 9				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60031				

# Metapopulation N15



### Legend

- Order Limits
- Mitigation Receptor Areas
- GCN Survey Area
- Ponds
- Mitigation
- GCN Pond
- Refugia
- Large hibernacula
- Small hibernacula
- LE8.5 Ecology Pond (Indicative Symbol)
- LE2.2 Woodland Edge
- LE1.3 Species Rich Grassland



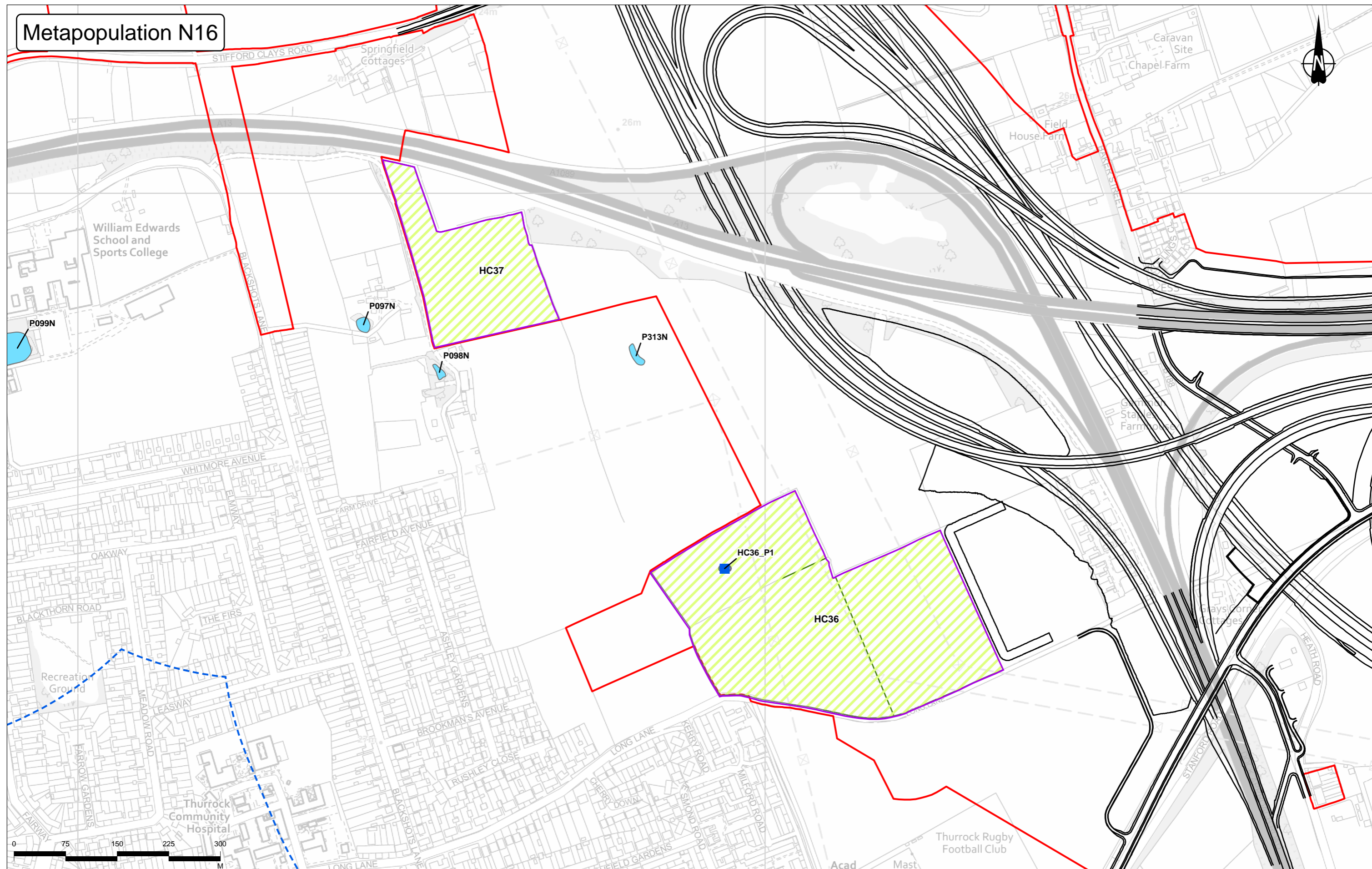
LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A3	P02
Drawing Title	Figure E5.1 - Post-Development Management and Maintenance		
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60031		
Page 7 of 9		Scale 1:4,000	

P02	S8	19/10/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

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# Metapopulation N16



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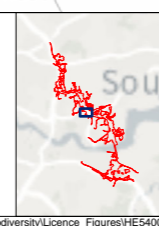
P02	S8	19/10/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprvd

**Legend**

Order Limits	Mitigation Receptor Areas
Route Alignment	Non GCN Pond
GCN Survey Area	Ponds

**Landscape Habitat**

LE8.5 Ecology Pond (Indicative Symbol)
LE8.1 Open Mosaic Habitat
LE4.4 Native Hedgerow with Trees

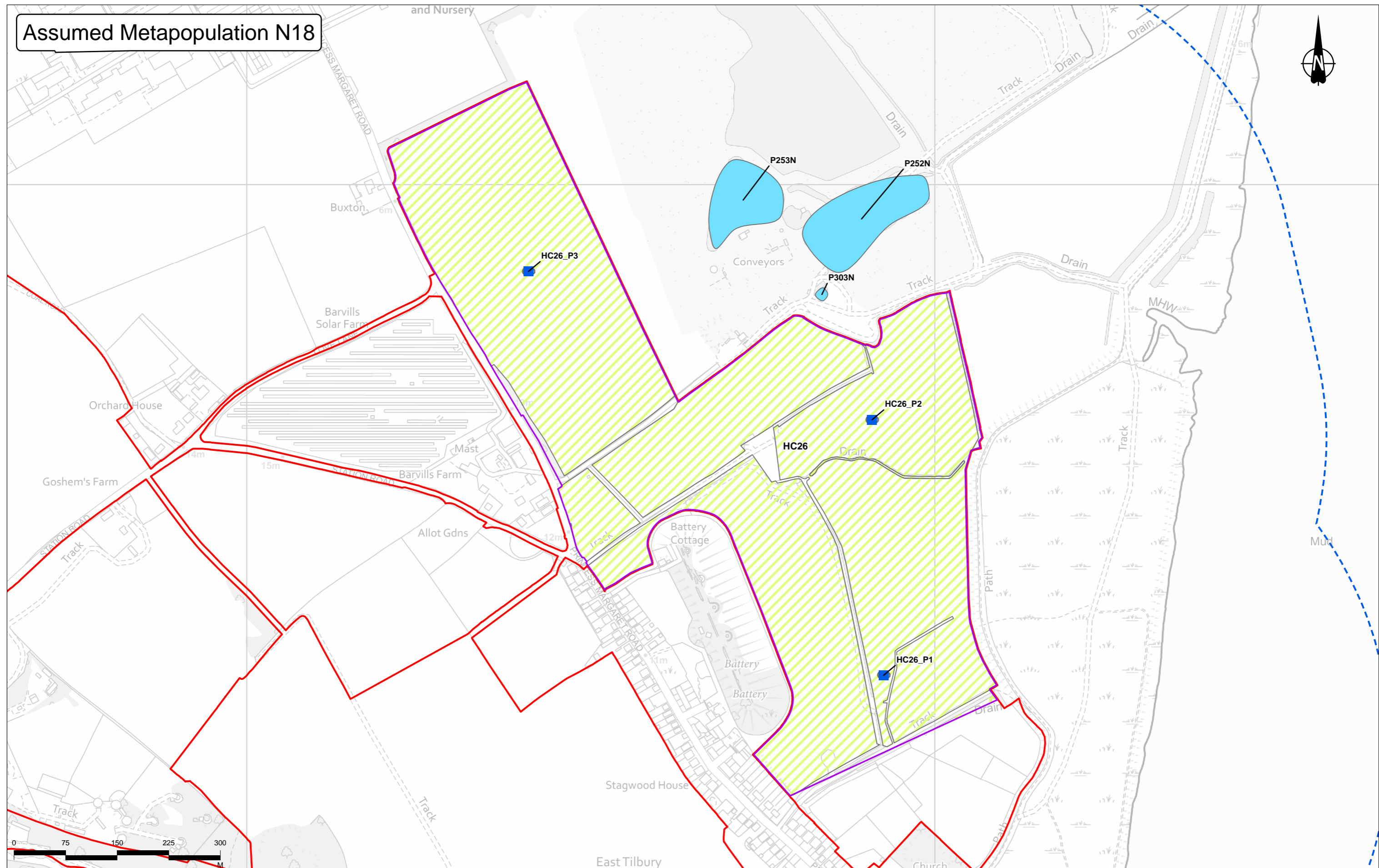


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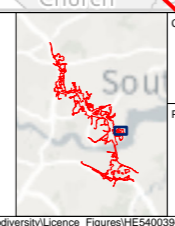
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Drawing Title	Figure E5.1 - Post-Development Management and Maintenance Page 8 of 9				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60031				

# Assumed Metapopulation N18



P02	S8	19/10/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

- Legend**
- Order Limits
  - GCN Survey Area
  - Ponds
  - Mitigation Receptor Areas
  - Mitigation**
  - Non GCN Pond
  - Landscape Habitat**
  - LE8.5 Ecology Pond (Indicative Symbol)
  - LE8.6 Translocated Acid Grassland
  - LE8.1 Open Mosaic Habitat

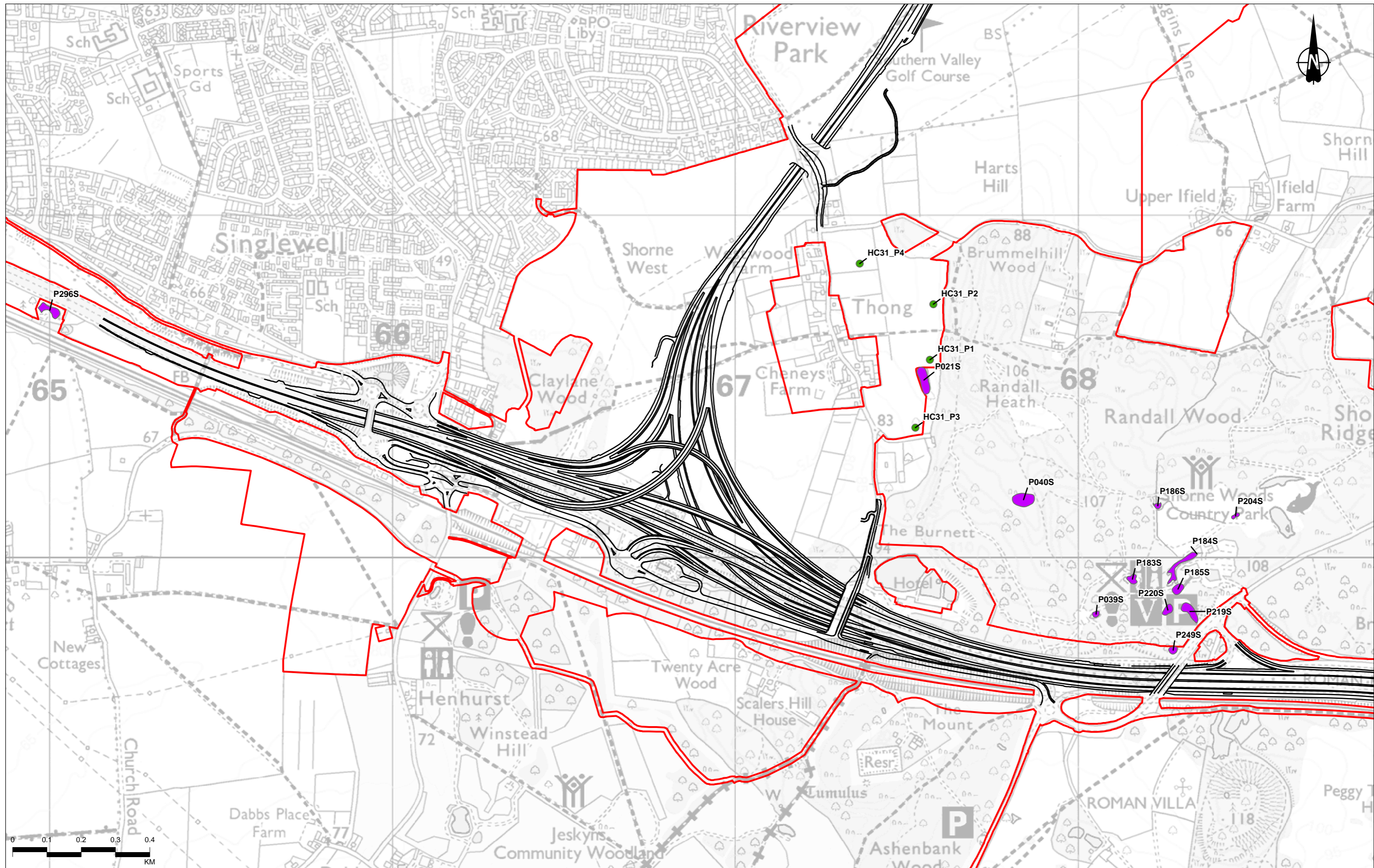


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Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:5,000		
Drawing Title	Figure E5.1 - Post-Development Management and Maintenance Page 9 of 9				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60031				

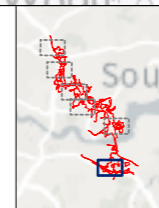





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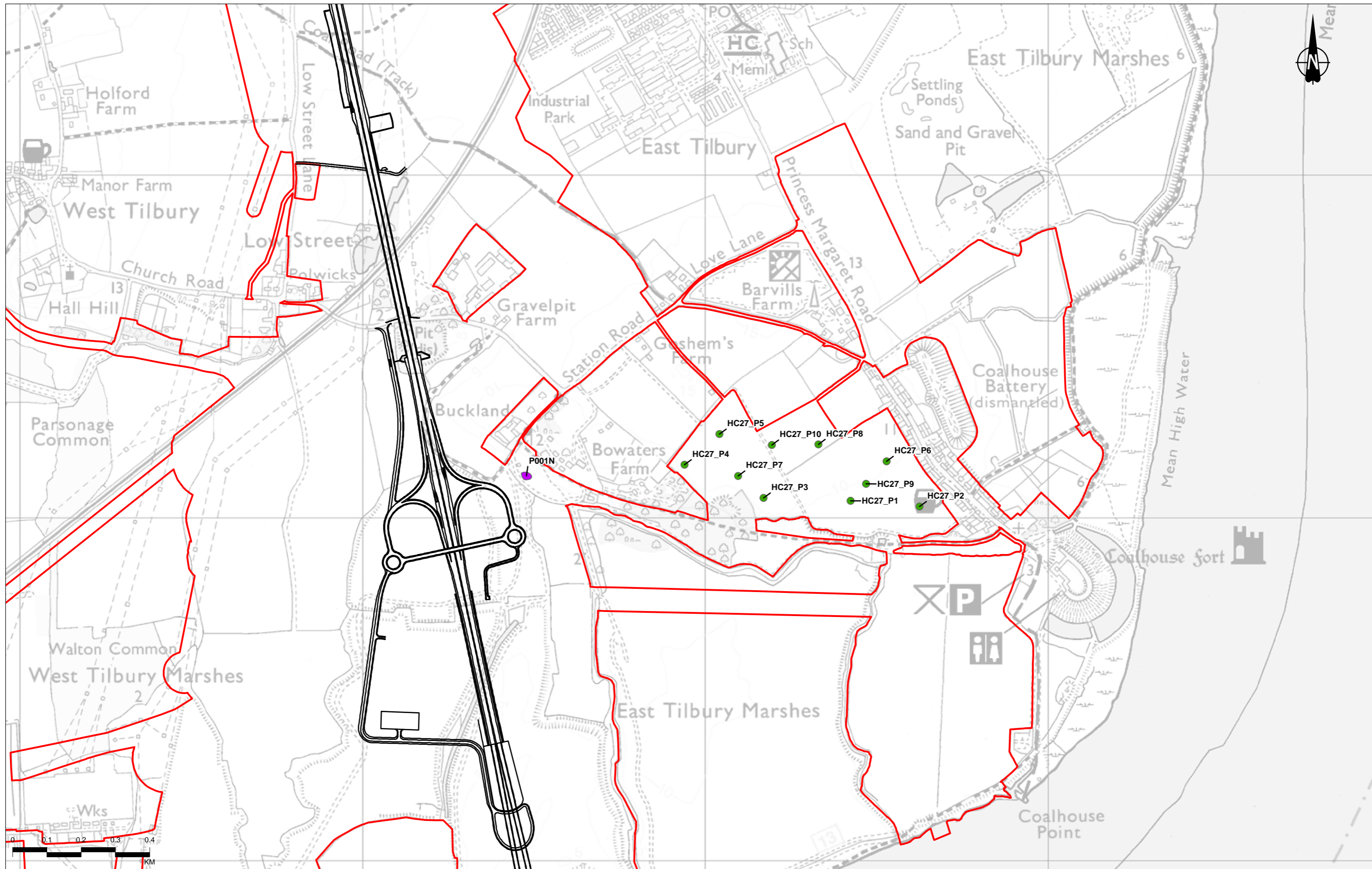
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P02	S8	19/10/2022	DCO Application	CD	HT	BF

- Legend**
- Order Limits
  - Route Alignment
  - Ponds outside of land ownership to be monitored
  - Pond within land ownership to be monitored



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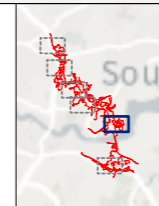
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Application Document Number	TR010032/APP/6.2	Scale	1:10,000		
Drawing Title	Figure E5.2 Post-Development Monitoring Page 1 of 6				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60037				




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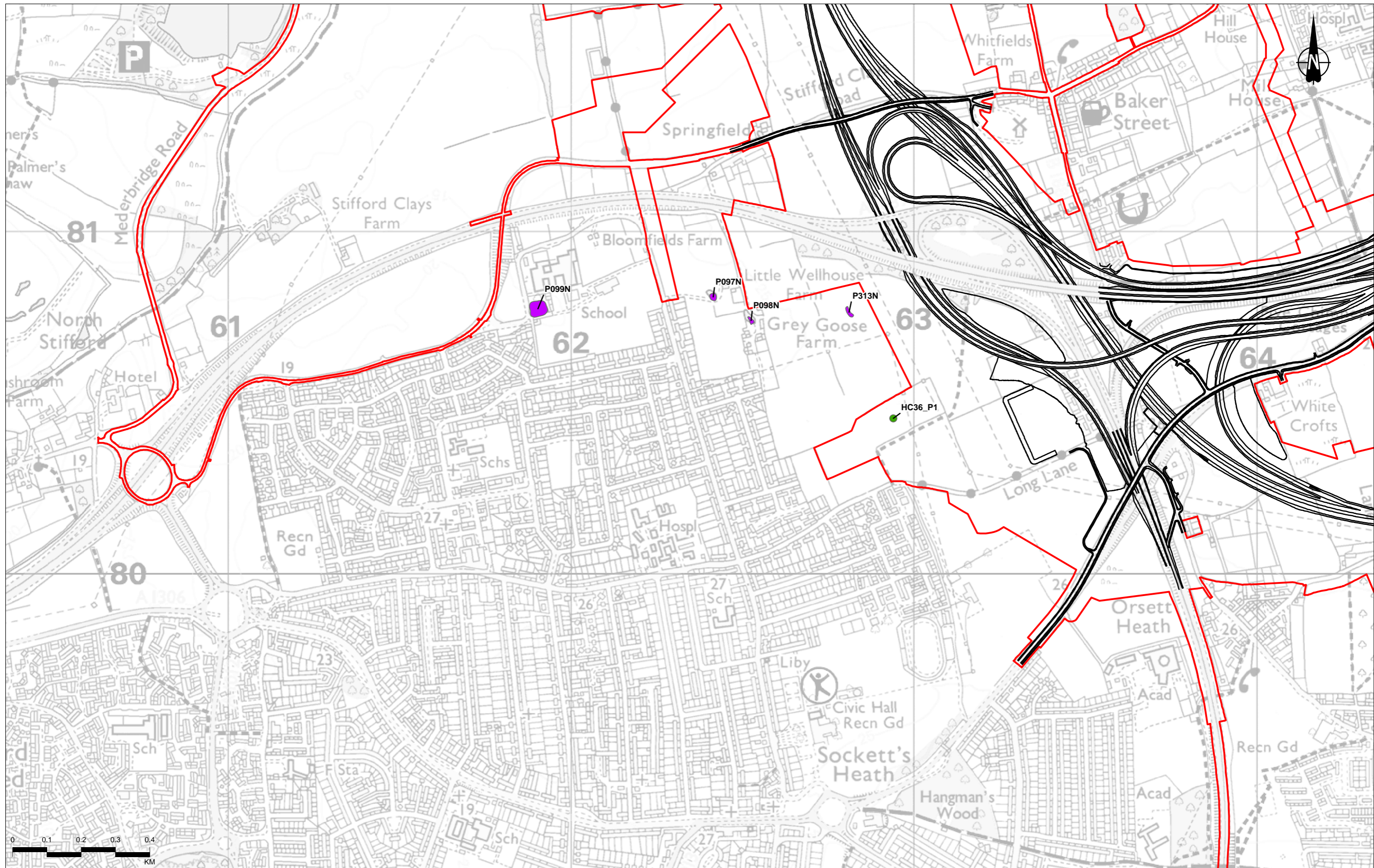
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Appr'd
P02	S8	19/10/2022	DCO Application	CD	HT	BF

- Legend**
- Order Limits
  - Route Alignment
  - Ponds outside of land ownership to be monitored
  - Pond within land ownership to be monitored



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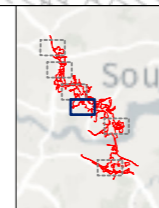
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Drawing Title	<b>Figure E5.2</b> <b>Post-Development Monitoring</b> Page 2 of 6				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60037				



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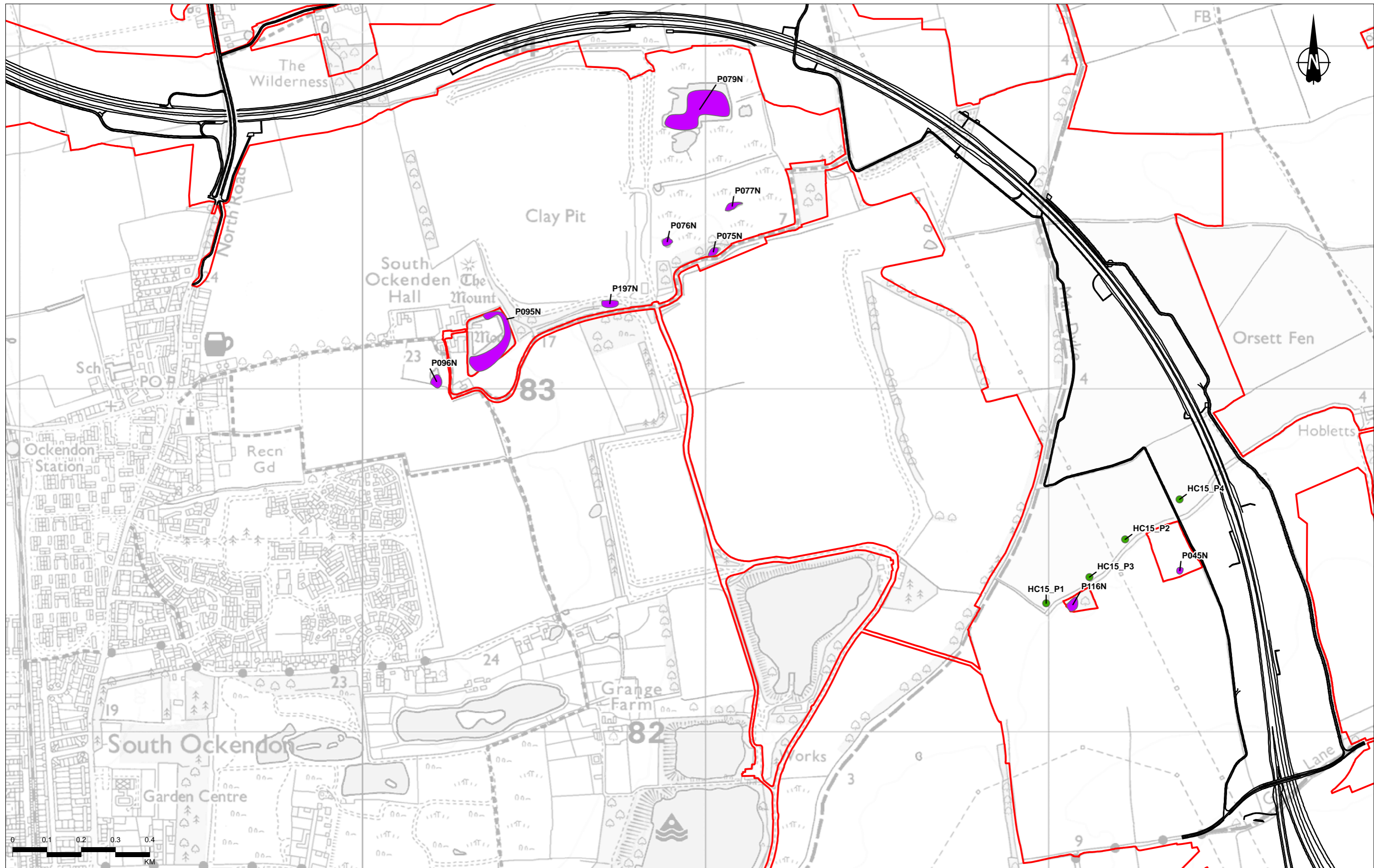
- Legend**
- Order Limits
  - Route Alignment
  - Ponds outside of land ownership to be monitored
  - Pond within land ownership to be monitored



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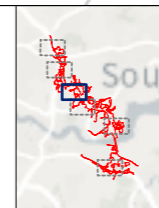
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Drawing Title	Figure E5.2 Post-Development Monitoring Page 3 of 6				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60037				




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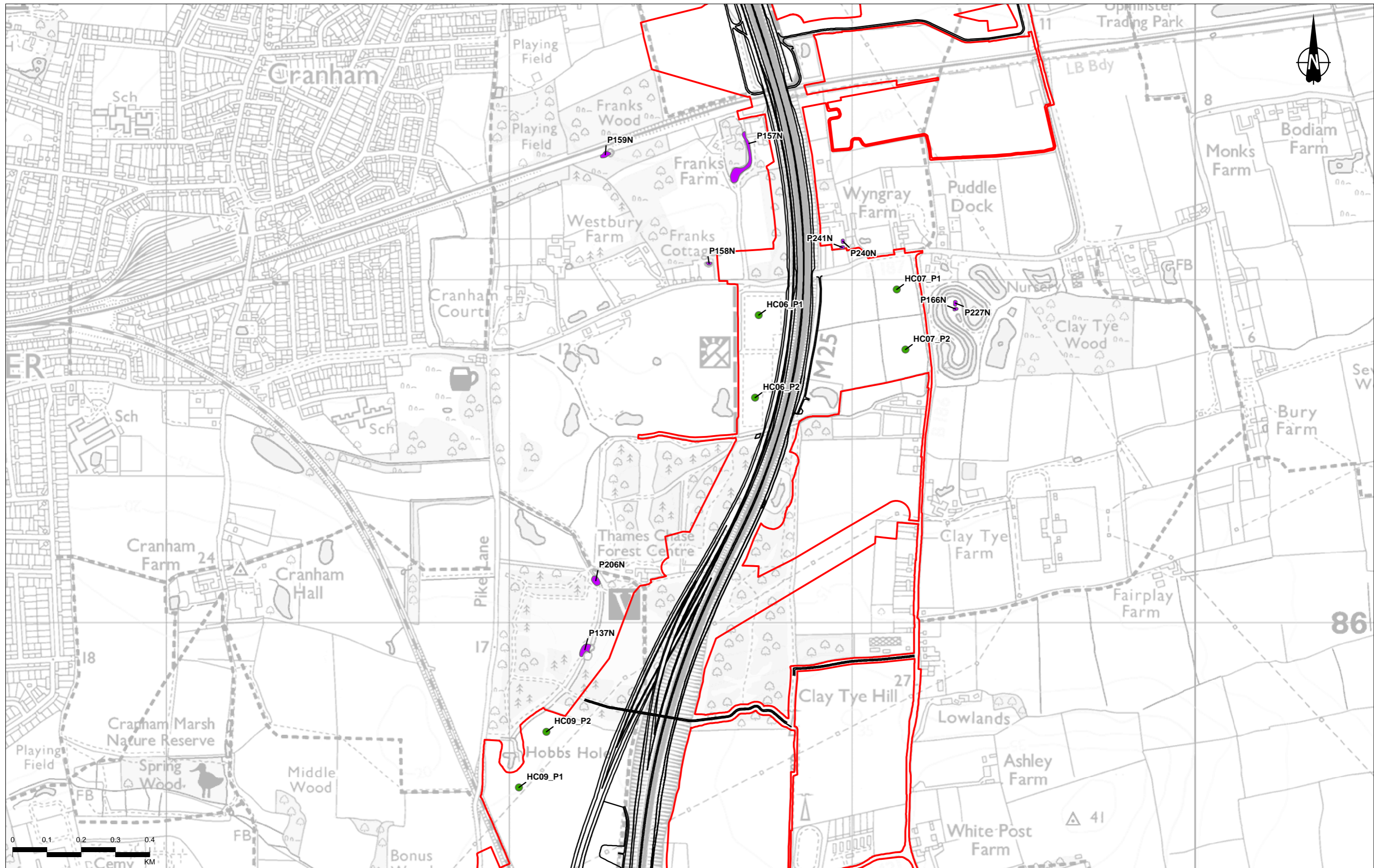
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Appr'd
P02	S8	19/10/2022	DCO Application	CD	HT	BF

- Legend**
- Order Limits
  - Route Alignment
  - Ponds outside of land ownership to be monitored
  - Pond within land ownership to be monitored



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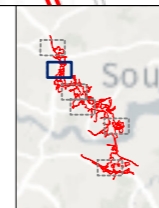
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Application Document Number	TR010032/APP/6.2	Scale	1:10,000		
Drawing Title	<b>Figure E5.2</b> <b>Post-Development Monitoring</b> Page 4 of 6				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60037				



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Appr'd
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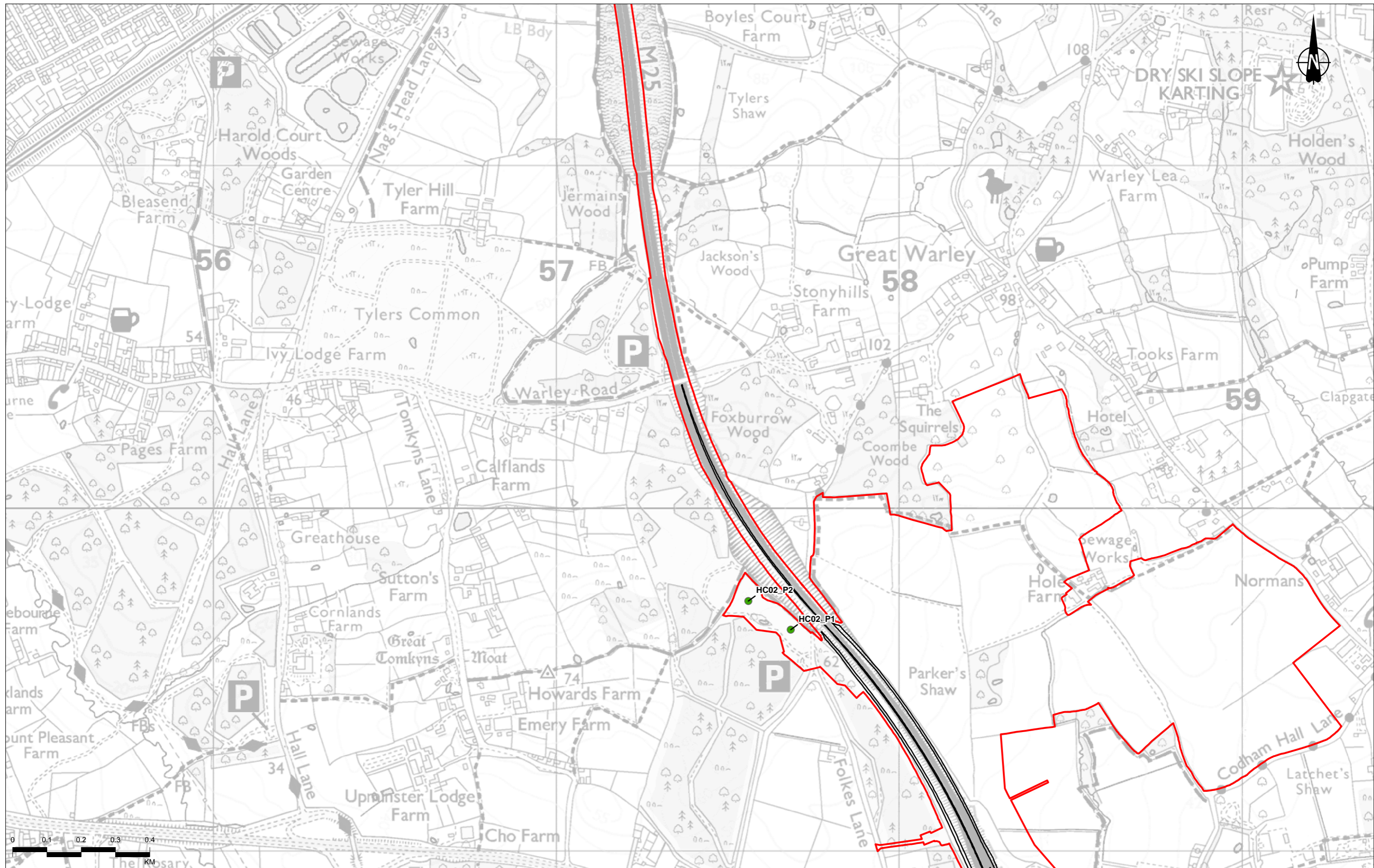
- Legend**
- Order Limits
  - Route Alignment
  - Ponds outside of land ownership to be monitored
  - Pond within land ownership to be monitored



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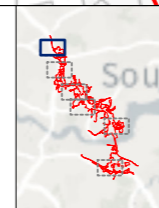
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Application Document Number	TR010032/APP/6.2	Scale	1:10,000		
Drawing Title	Figure E5.2 Post-Development Monitoring Page 5 of 6				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60037				



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprvd
P02	S8	19/10/2022	DCO Application	CD	HT	BF

- Legend**
- Order Limits
  - Route Alignment
  - Pond within land ownership to be monitored

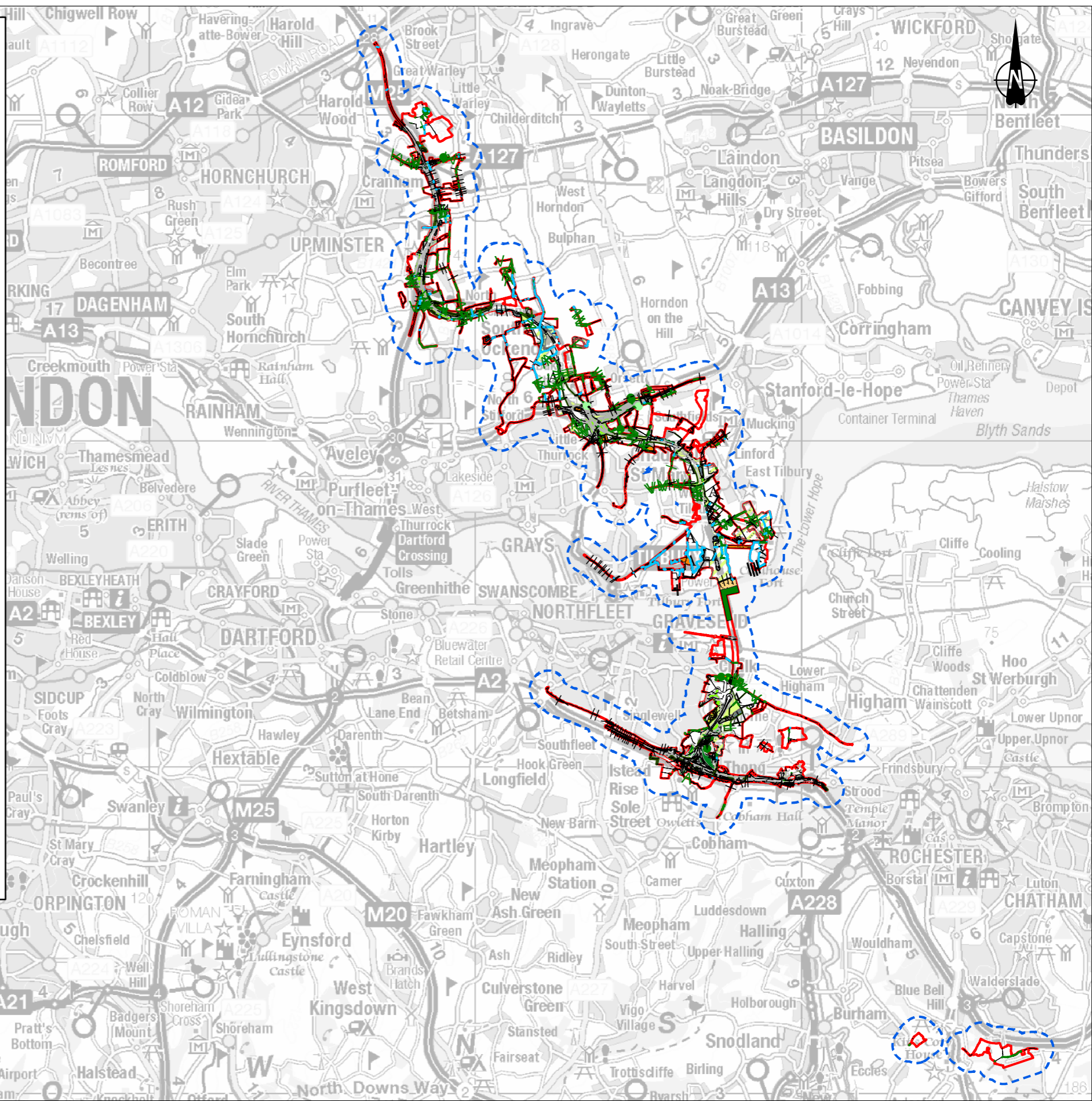


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Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:10,000		
Drawing Title	Figure E5.2 Post-Development Monitoring Page 6 of 6				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60037				

- Legend**
- Phase 1 Habitat**
- A1.1.1 - Semi-natural broadleaved woodland
  - A1.1.2 - Plantation broadleaved woodland
  - A1.3.2 - Plantation mixed woodland
  - A2.1 - Dense/continuous scrub
  - A4.1 - Recently felled broadleaved woodland
  - B1.1 - Grassland - Acid - Unimproved
  - B1.2 - Grassland - Acid - Semi-improved
  - B2.1 - Unimproved neutral grassland
  - B2.2 - Semi-improved neutral grassland
  - B3.1 - Unimproved calcareous grassland
  - B3.2 - Semi-improved calcareous grassland
  - B4 - Improved grassland
  - B5 - Marsh/marshy grassland
  - B6 - Poor semi-improved grassland
  - C1.1 - Continuous bracken
  - C3.1 - Tall ruderal
  - C3.2 - Tall herb and fern other non-ruderal
  - F1 - Swamp
  - G1 - Standing water
  - H1.1 - Intertidal mud/sand
  - H1.2 - Intertidal shingle/cobbles
  - H1.3 - Intertidal boulders/rocks
  - H2.6 - Dense/continuous saltmarsh
  - H3 - Shingle above high tide mark
  - I2.1 - Quarry
  - I2.2 - Artificial spoil
  - I2.4 - Refuse tip
  - J1.1 - Arable
  - J1.2 - Amenity grassland
  - J1.3 - Ephemeral/short perennial
  - J1.4 - Introduced shrub
  - J3.4 - Caravan site
  - J3.6 - Buildings
  - J4 - Bare ground
  - J5 - Other habitat
  - A3.1 - Scattered broadleaved trees
  - A3.2 - Scattered coniferous trees
  - G1 - Standing water
  - G2 - Running water
  - J2.1.1 - Intact hedge - native-species rich
  - J2.1.2 - Intact hedge - species-poor
  - J2.2.1 - Defunct hedge - native-species rich
  - J2.2.2 - Defunct hedge - species-poor
  - J2.3.1 - Hedge with trees - native-species rich
  - J2.3.2 - Hedge with trees - species-poor
  - J2.4 - Fence
  - J2.5 - Wall
  - J2.6 - Dry ditch
  - J2.8 - Earth bank
  - J3.5 - Sea-wall
  - J5 - Non-native hedgerow
  - Missing Phase 1 code
- Landscape Habitat**
- LE2.2 Woodland Edge
  - LE2.11 Woodland with Non-Native Species
  - LE4.3 Native Species Hedge (Untrimmed)
  - LE4.4 Native Hedgerow with Trees
  - LE6.11 Water Bodies - Standing Water
  - LE6.4 Wet Grassland
  - LE2.7 Scattered Trees
  - LE2.14 Wet/Carr Woodland
  - LE1.3 Species Rich Grassland
  - LE2.1 Native Woodland
  - LE2.8 Scrub
  - LE2.5 Shrubs with Intermittent Trees
  - LE2.4 Linear Belt of Shrubs and Trees
  - LE6.2 Banks and Ditches
  - LE8.1 Open Mosaic Habitat



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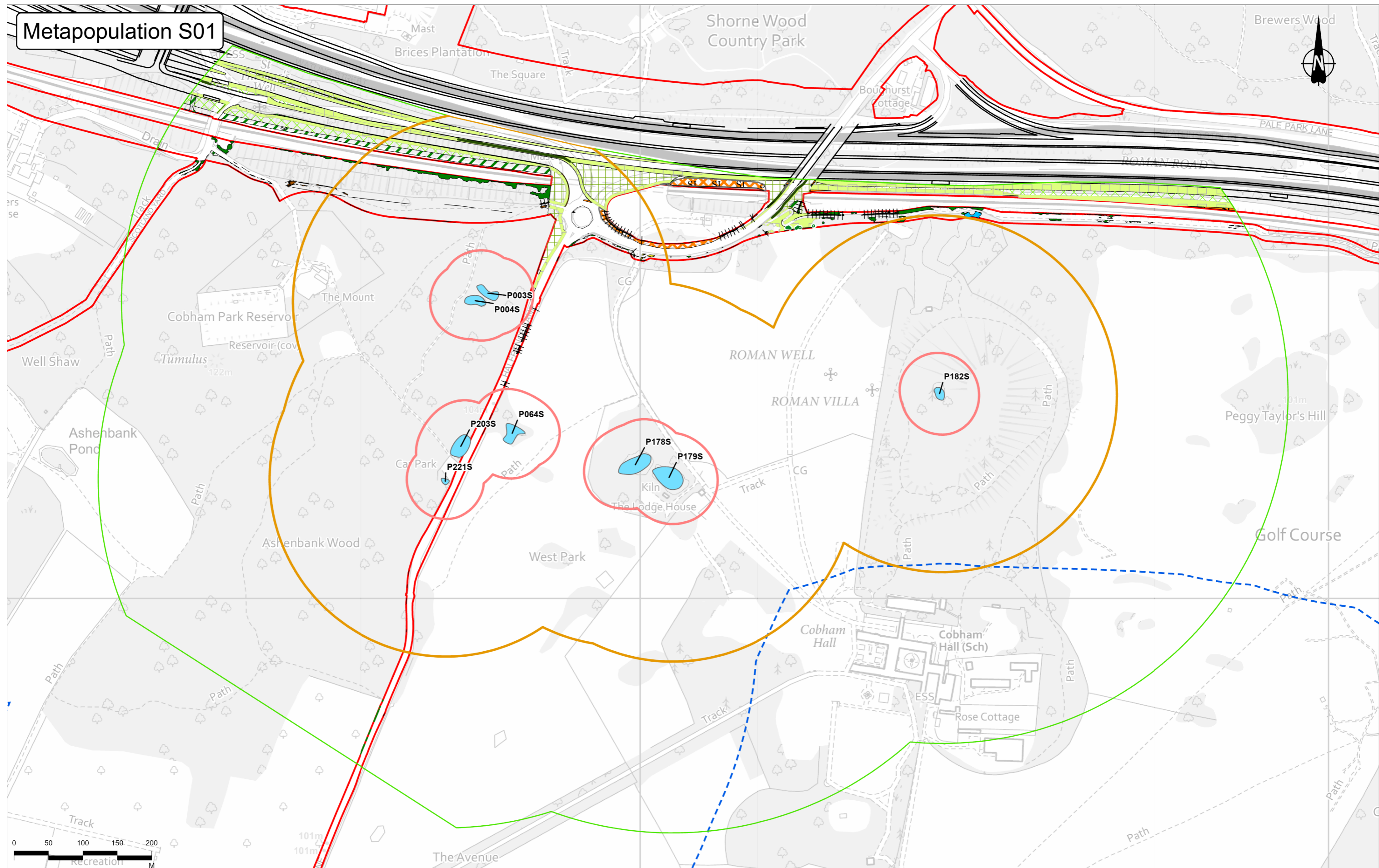
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprvd

Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:132,785		
Drawing Title	Figure F1 - Final Development Legend				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60038				

# Metapopulation S01



- Legend**
- ▭ Order Limits
  - ▭ Ponds
  - ▭ 250m pond buffer
  - ▭ 500m pond buffer
  - ▭ Route Alignment
  - ▭ Pond buffers
  - ▭ 50m pond buffer
  - ▭ GCN Survey Area

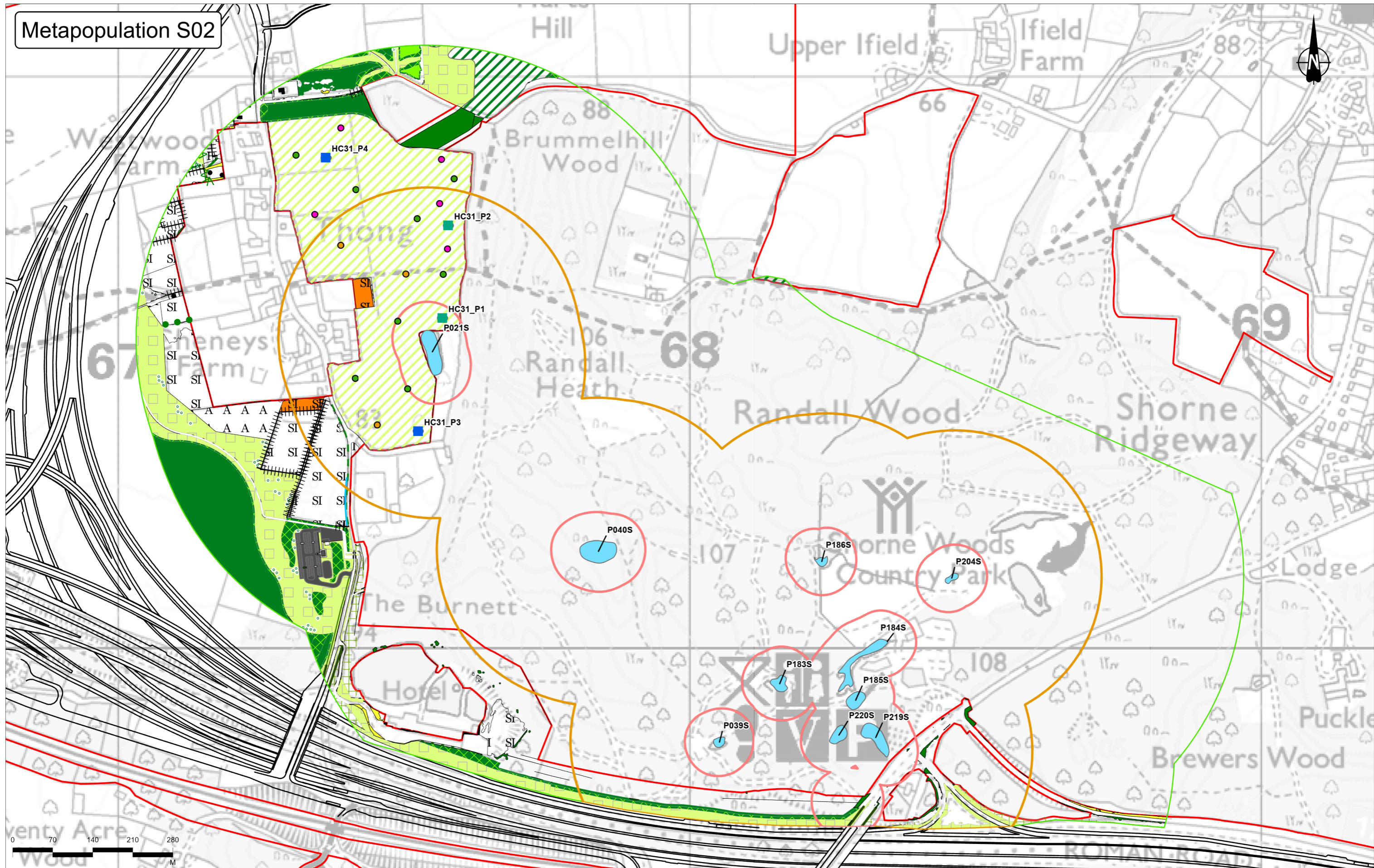
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checkd	Apprv'd
P02	S8	27/09/2022	DCO Application	CD	HT	BF

<p><b>national highways</b></p>	Client	Status	DCO APPLICATION	Original Size	A3	Revision	P02
	Project	Application Document Number	TR010032/APP/6.2	Scale	1:5,000	<b>Figure F1 - Final Development Metapopulation S01</b> Page 1 of 25	
	Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60032					

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Metapopulation S02



- Legend**
- Order Limits
  - 50m pond buffer
  - GCN Pond
  - Refugia
  - Route Alignment
  - 250m pond buffer
  - Non GCN Pond
  - Small hibernacula
  - GCN Survey Area
  - 500m pond buffer
  - Large hibernacula
  - Ponds

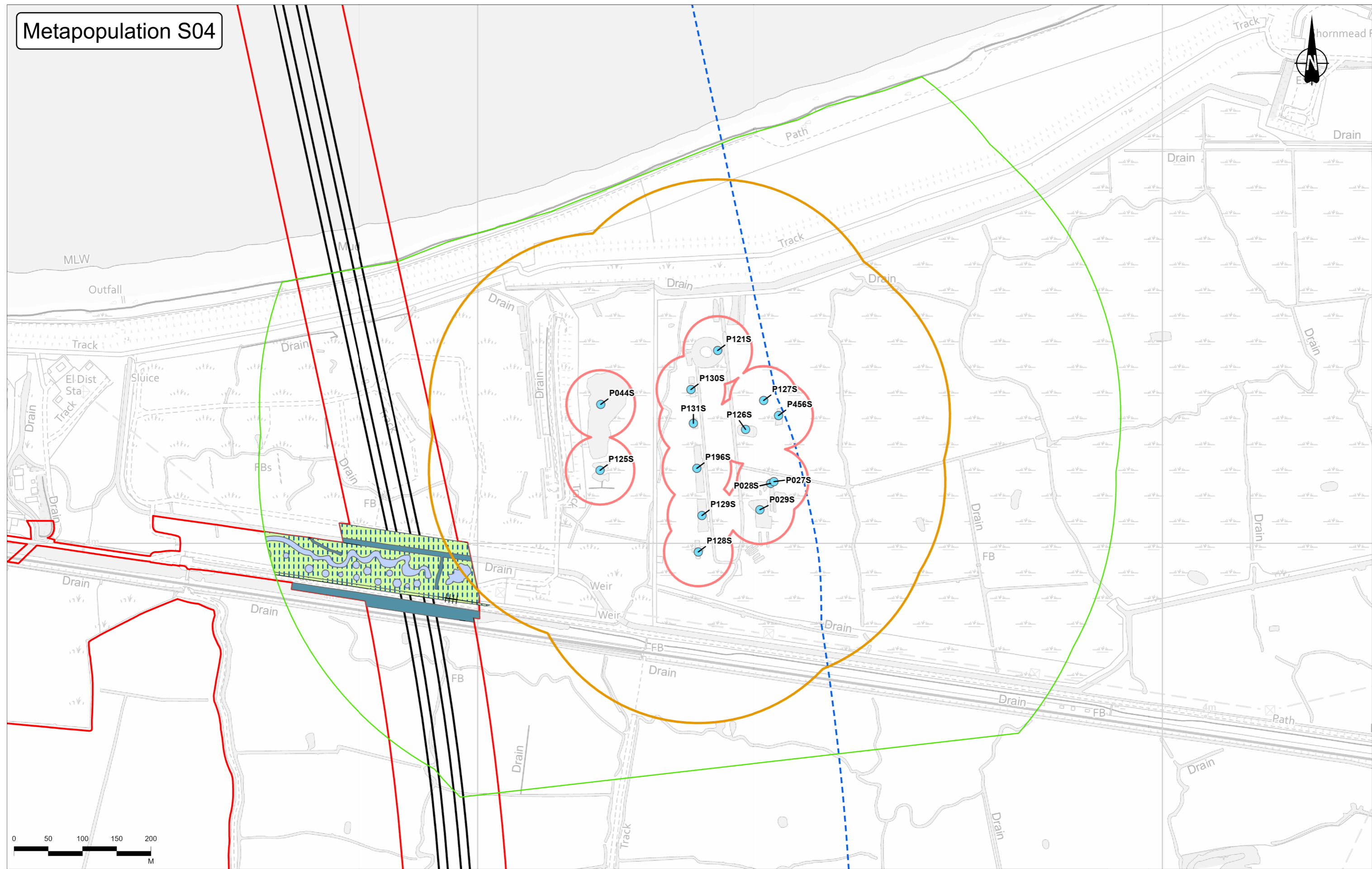
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved



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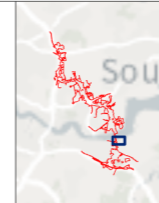
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Drawing Title	Figure F1 - Final Development Metapopulation S02		
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60032		
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# Metapopulation S04



- Legend**
- Order Limits
  - Route Alignment
  - GCN Survey Area
  - Ponds
  - 50m pond buffer
  - 250m pond buffer
  - 500m pond buffer

P02	S8	27/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

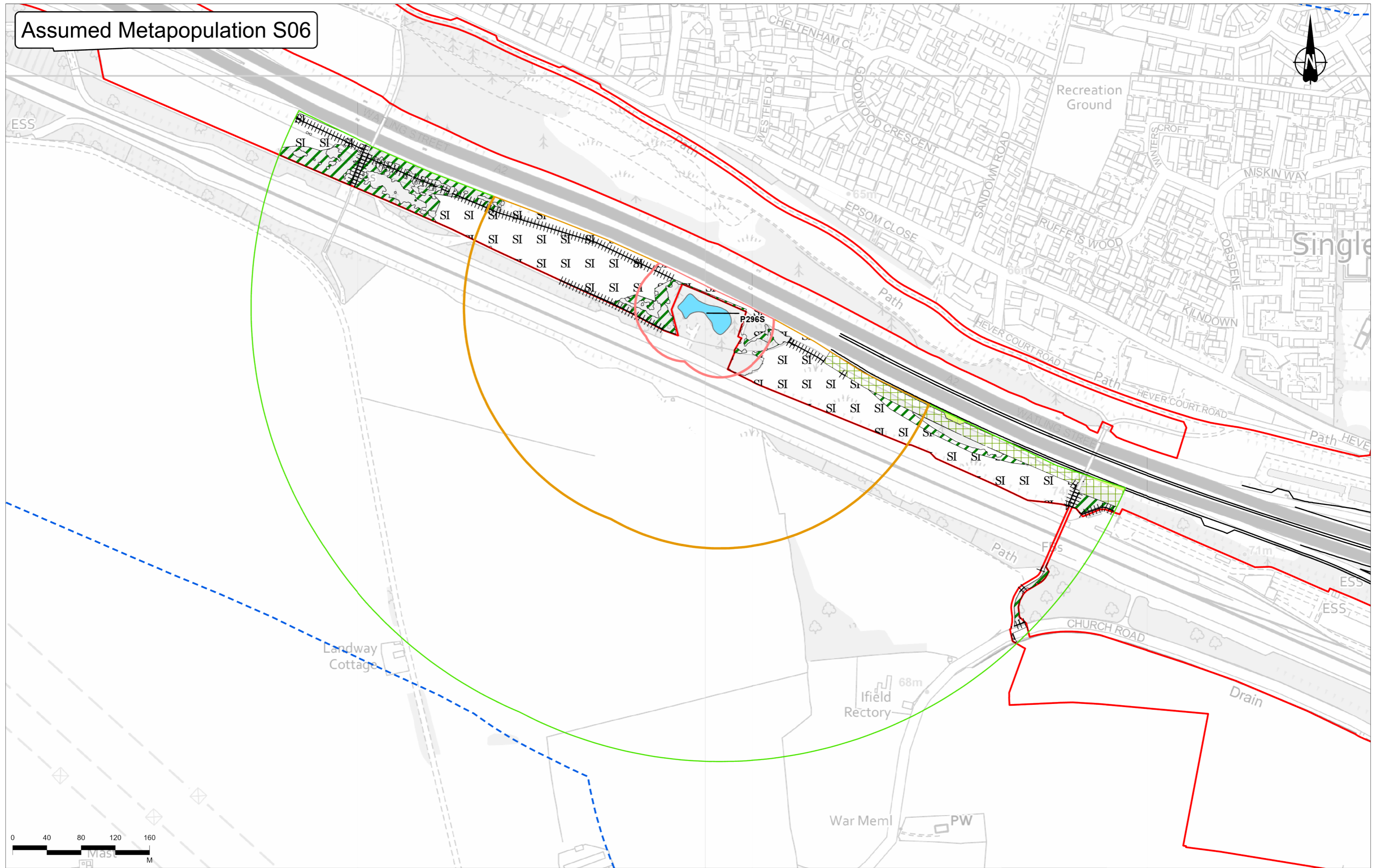


Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

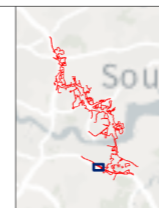
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Application Document Number	TR010032/APP/6.2	Scale	1:5,000		
Drawing Title	Figure F1 - Final Development Metapopulation S04				
	Page 3 of 25				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60032				

# Assumed Metapopulation S06



- Legend**
- ▭ Order Limits
  - ▭ Ponds
  - ▭ 250m pond buffer
  - ▭ Route Alignment
  - ▭ Pond buffers
  - ▭ 500m pond buffer
  - ▭ GCN Survey Area
  - ▭ 50m pond buffer

P02	S8	27/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checkd	Apprvd

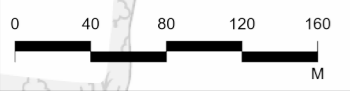
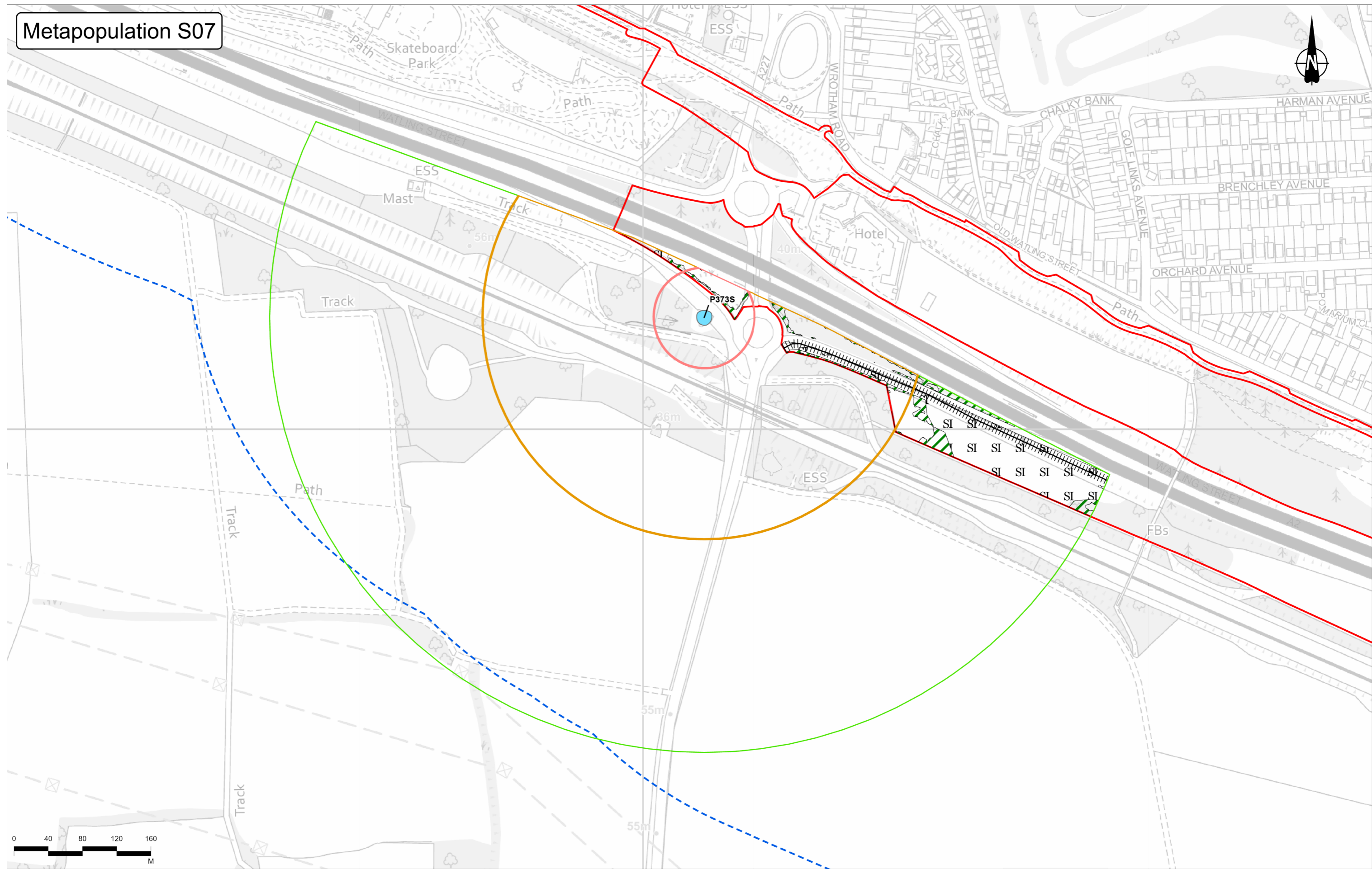


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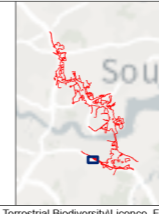
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Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60032				

# Metapopulation S07



- Legend**
- Order Limits
  - GCN Survey Area
  - Ponds
  - Pond buffers**
  - 50m pond buffer
  - 250m pond buffer
  - 500m pond buffer

P02	S8	27/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

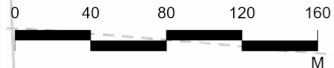
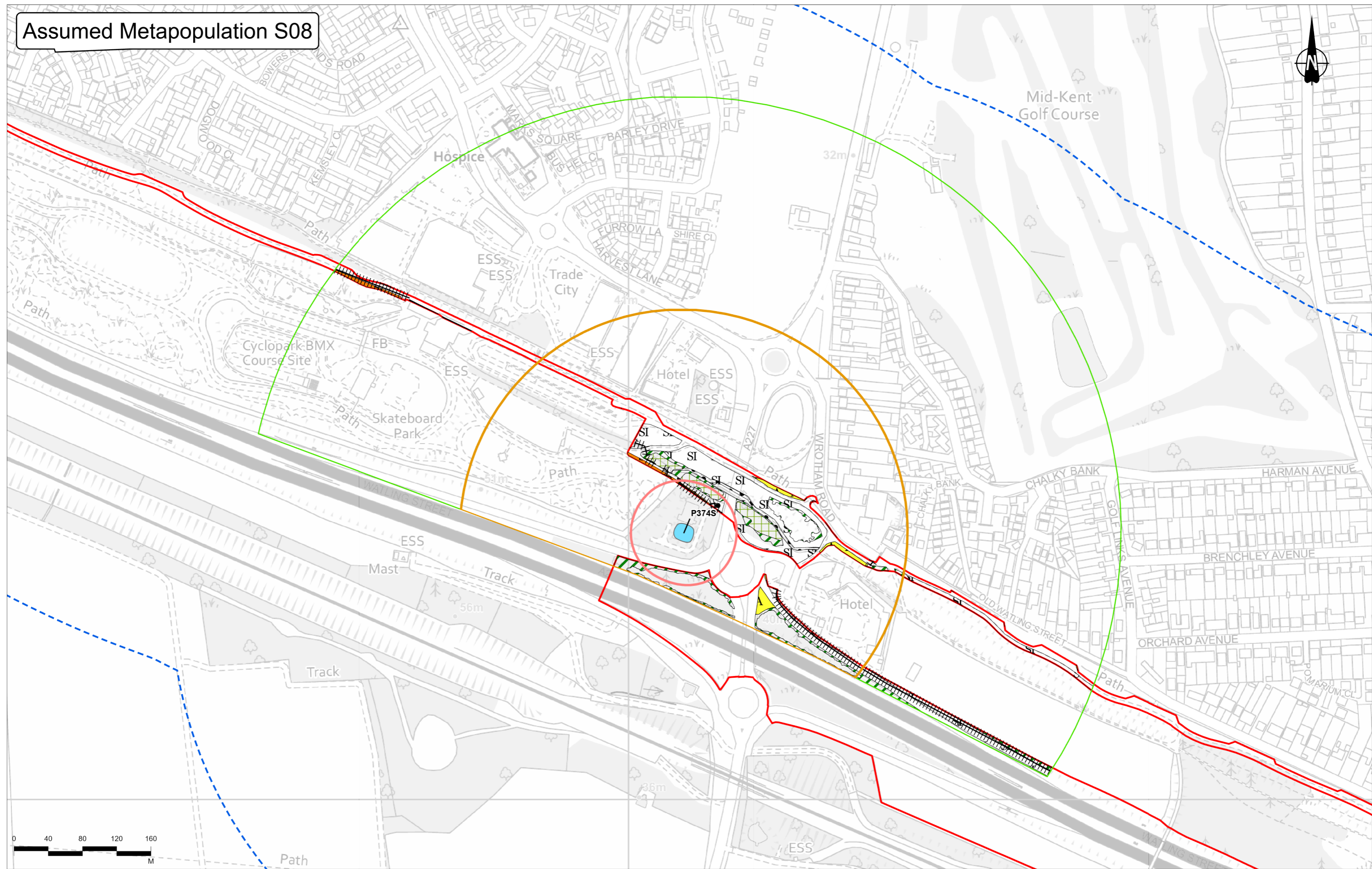


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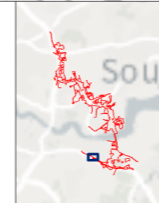
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Application Document Number	TR010032/APP/6.2	Scale	1:4,000		
Drawing Title	Figure F1 - Final Development Metapopulation S07				
	Page 5 of 25				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60032				

# Assumed Metapopulation S08



- Legend**
- Order Limits
  - GCN Survey Area
  - Ponds
  - 500m pond buffer
  - 250m pond buffer
  - 50m pond buffer

P02	S8	27/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checkd	Apprvd



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Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:4,000		
Drawing Title	Figure F1 - Final Development Assumed Metapopulation S08				
	Page 6 of 25				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60032				

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