

Lower Thames Crossing

6.3 Environmental Statement Appendices Appendix 8.17 - Draft EPS mitigation licence application - great crested newts

(4 of 5)

APFP Regulation 5(2)(a)

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

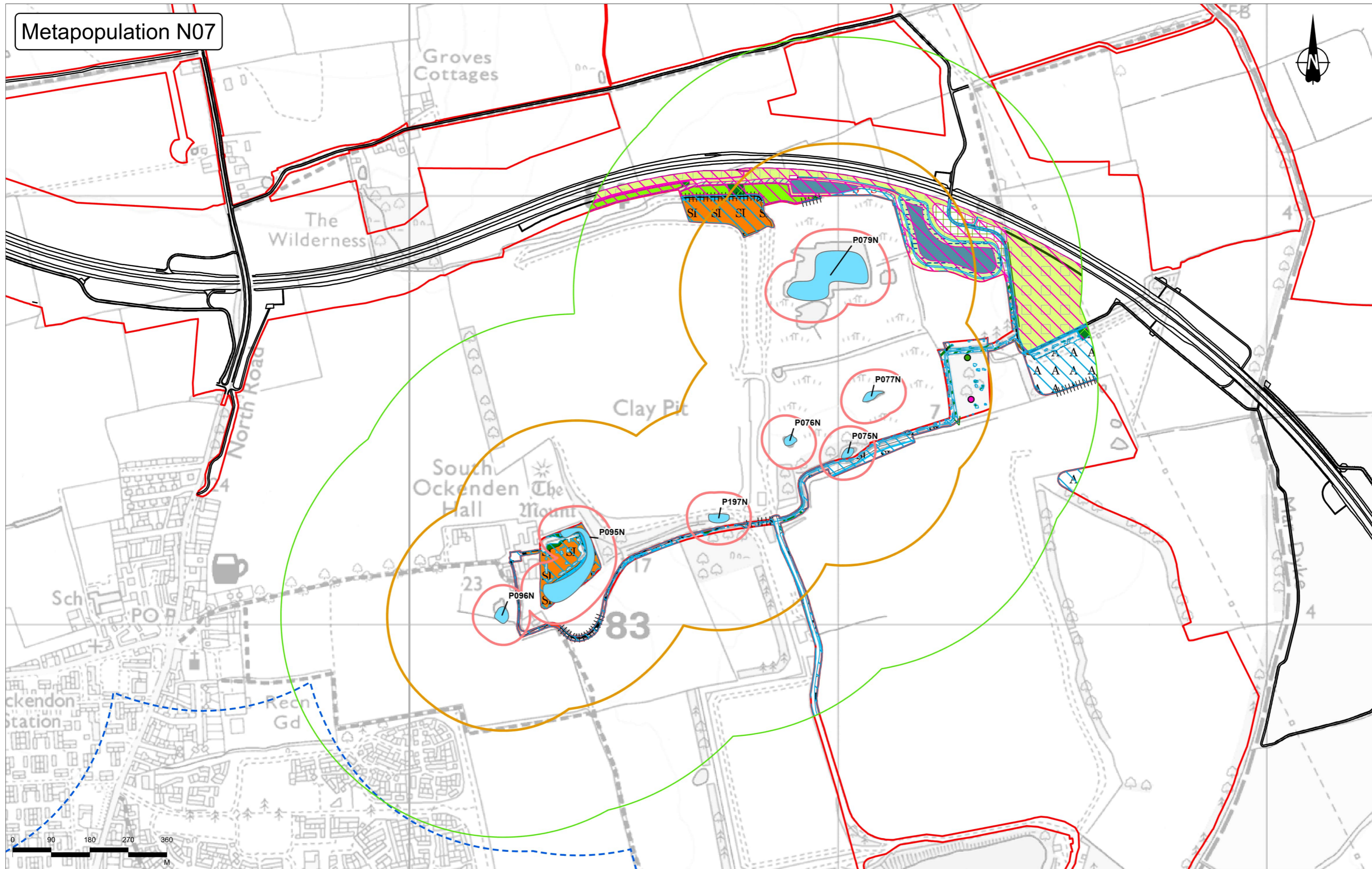
Volume 6

DATE: October 2022

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

VERSION: 1.0

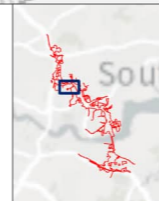
Metapopulation N07



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- Legend**
- Order Limits
 - Route Alignment
 - - - GCN Survey Area
 - - - Habitat Creation
 - ▨ Reinstated Habitat
 - ▨ Ponds
 - Pond buffers**
 - ▨ 50m pond buffer
 - ▨ 250m pond buffer
 - ▨ 500m pond buffer
 - Mitigation**
 - Refugia
 - Small hibernacula

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



Client
 national highways

Project
LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:8,000		
Drawing Title	Figure E3.1 - Habitat Measure Map Metapopulation N07				
	Page 14 of 25				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60035				

Metapopulation N09



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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

Legend

Order Limits	Reinstated Habitat	250m pond buffer	Small hibernacula
Route Alignment	Ponds	500m pond buffer	
GCN Survey Area	Pond buffers	Mitigation	
Habitat Creation	50m pond buffer	Refugia	

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 E3.1 - Habitat Measure Map Metapopulation N09 Page 15 of 25				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60035				

Z:\Environment\Environmental Statement\08_Terrestrial Biodiversity\Licence_Figures\HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60035 - Figure E3.1 - Habitat Measure Map\HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60035 - Figure E3.aprx

Metapopulation N10



Legend

- Order Limits
- Route Alignment
- GCN Survey Area
- Habitat Creation
- Reinstated Habitat
- Ponds
- Pond buffers
- 50m pond buffer
- 250m pond buffer
- 500m pond buffer
- Mitigation
- Non GCN Pond
- Refugia
- Small hibernacula

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



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LOWER THAMES CROSSING

Status: **DCO APPLICATION**

Application Document Number: TR010032/APP/6.2

Drawing Title: **Figure E3.1 - Habitat Measure Map Metapopulation N10**

Page 16 of 25

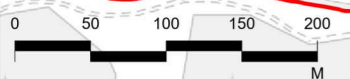
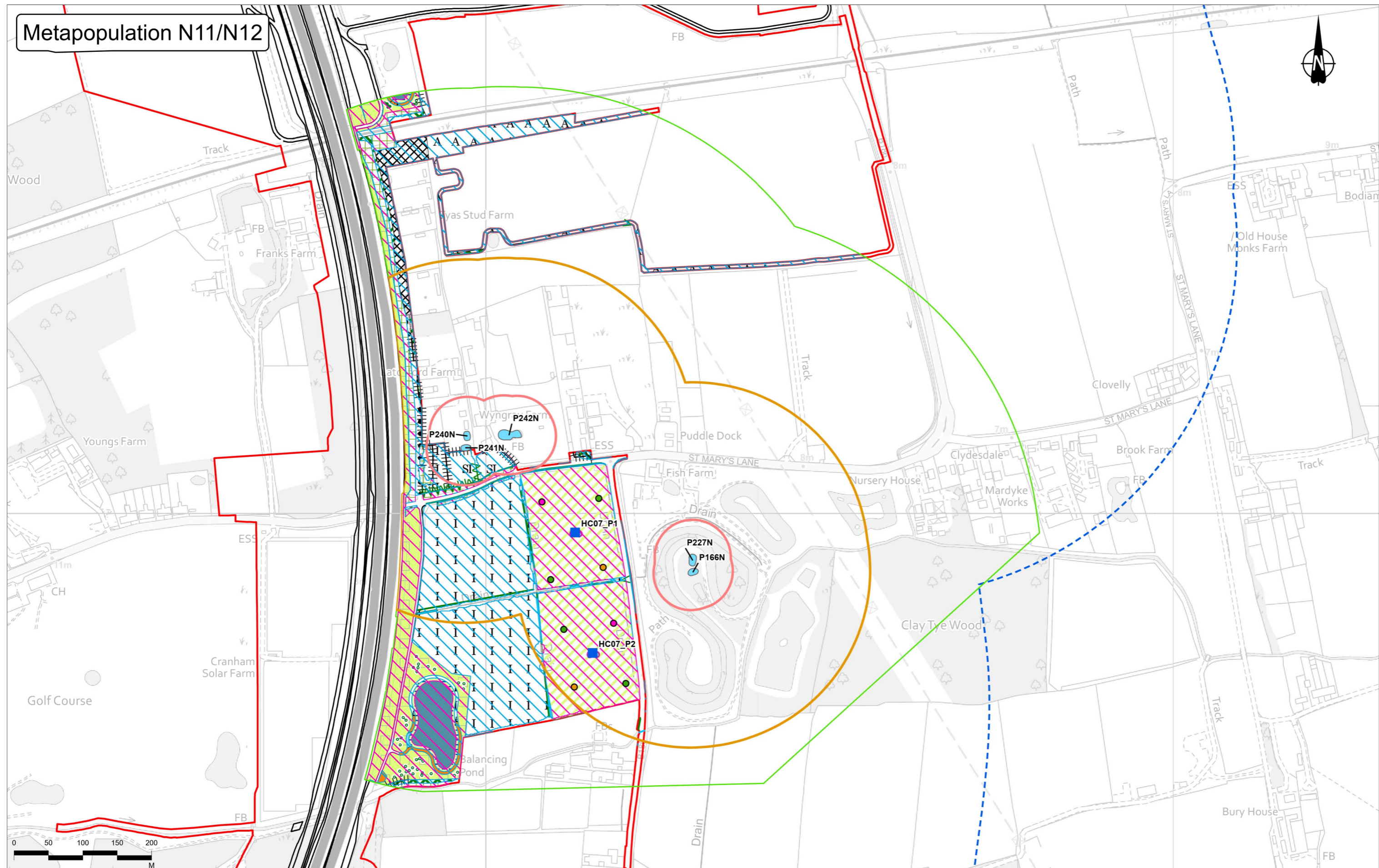
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Original Size: **A3**

Revision: P02

Scale: 1:5,000


Metapopulation N11/N12



Legend

- Order Limits
- Route Alignment
- GCN Survey Area
- Habitat Creation
- Reinstated Habitat
- Ponds
- Pond buffers
- 50m pond buffer
- 250m pond buffer
- 500m pond buffer
- Mitigation
- Non GCN Pond
- Large hibernacula
- Refugia
- Small hibernacula

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



LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:5,000		
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Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60035				

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Metapopulation N13

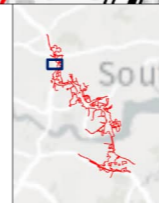


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Legend

- Order Limits
- GCN Survey Area
- 250m pond buffer
- 500m pond buffer
- 50m pond buffer
- 250m pond buffer
- Reinstated Habitat
- Ponds
- Non GCN Pond
- 500m pond buffer
- Large hibernacula
- Refugia
- Habitat Creation
- Reinstated Habitat
- Non GCN Pond

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

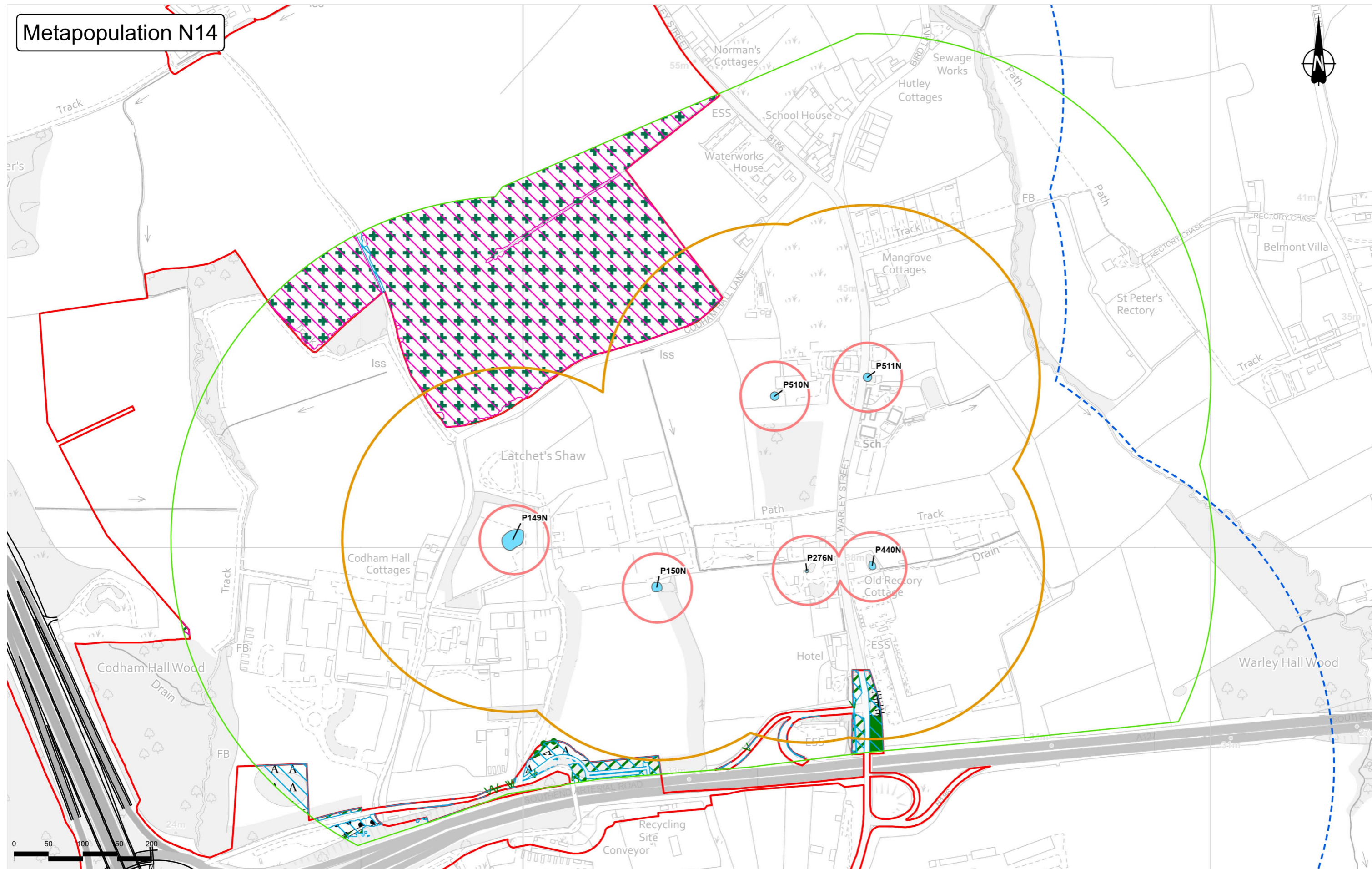


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Application Document Number	TR010032/APP/6.2	Scale	1:6,000		
Drawing Title	Figure E3.1 - Habitat Measure Map Metapopulation N13 Page 18 of 25				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60035				

Metapopulation N14



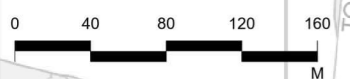
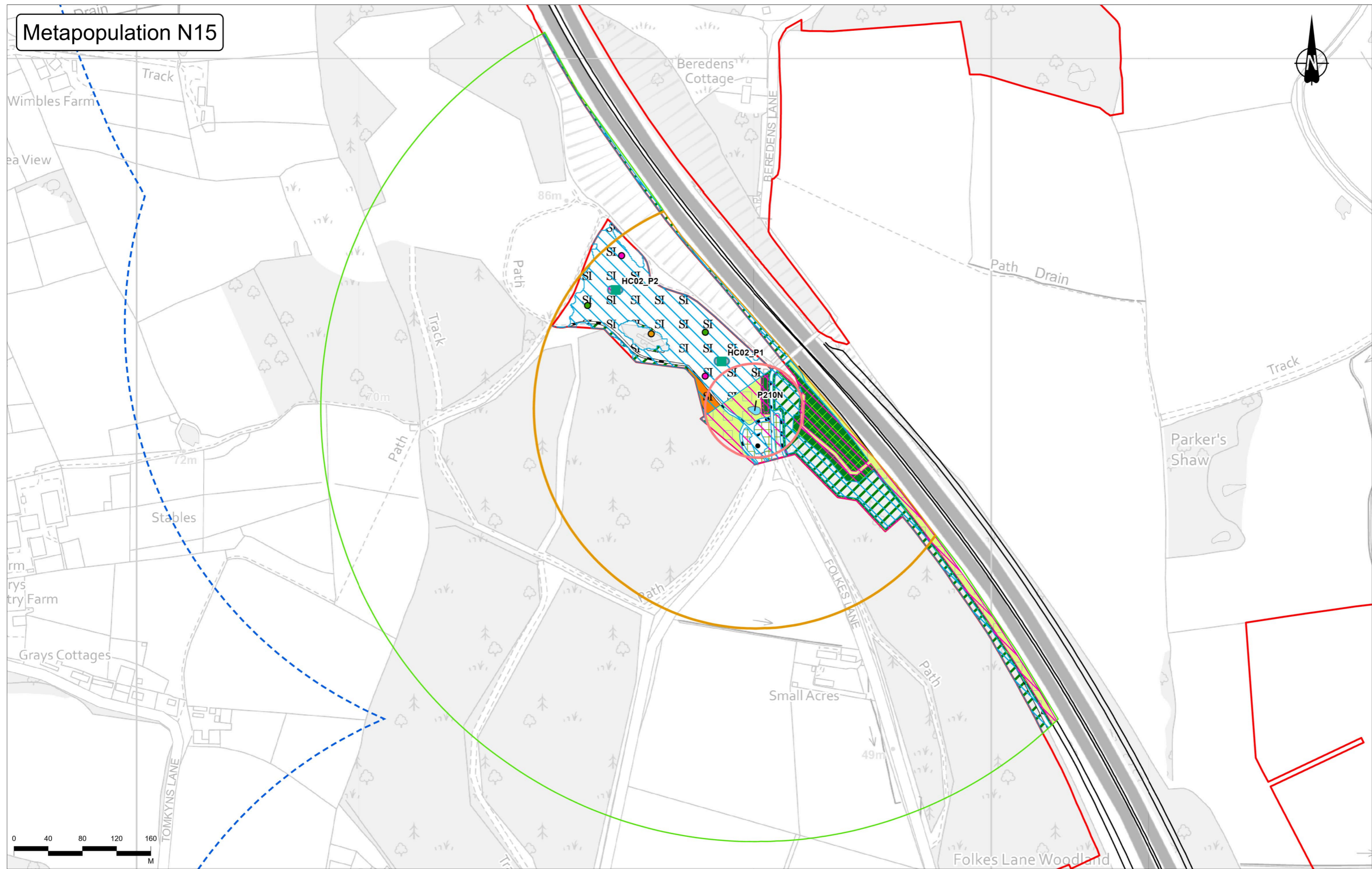
- Legend**
- Order Limits
 - Habitat Creation
 - Ponds
 - 250m pond buffer
 - Route Alignment
 - Reinstated Habitat
 - Pond buffers
 - 500m pond buffer
 - GCN Survey Area
 - Ponds
 - 50m pond buffer

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

	Client		Status	DCO APPLICATION	Original Size	A3	Revision	P02
	Project		Application Document Number	TR010032/APP/6.2	Scale	1:5,000		
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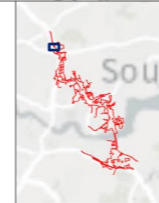
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Metapopulation N15



Legend

- Order Limits
- Route Alignment
- GCN Survey Area
- Habitat Creation
- Reinstated Habitat
- Ponds
- Pond buffers
- 50m pond buffer
- 250m pond buffer
- 500m pond buffer
- Mitigation
- GCN Pond
- Large hibernacula
- Refugia
- Small hibernacula

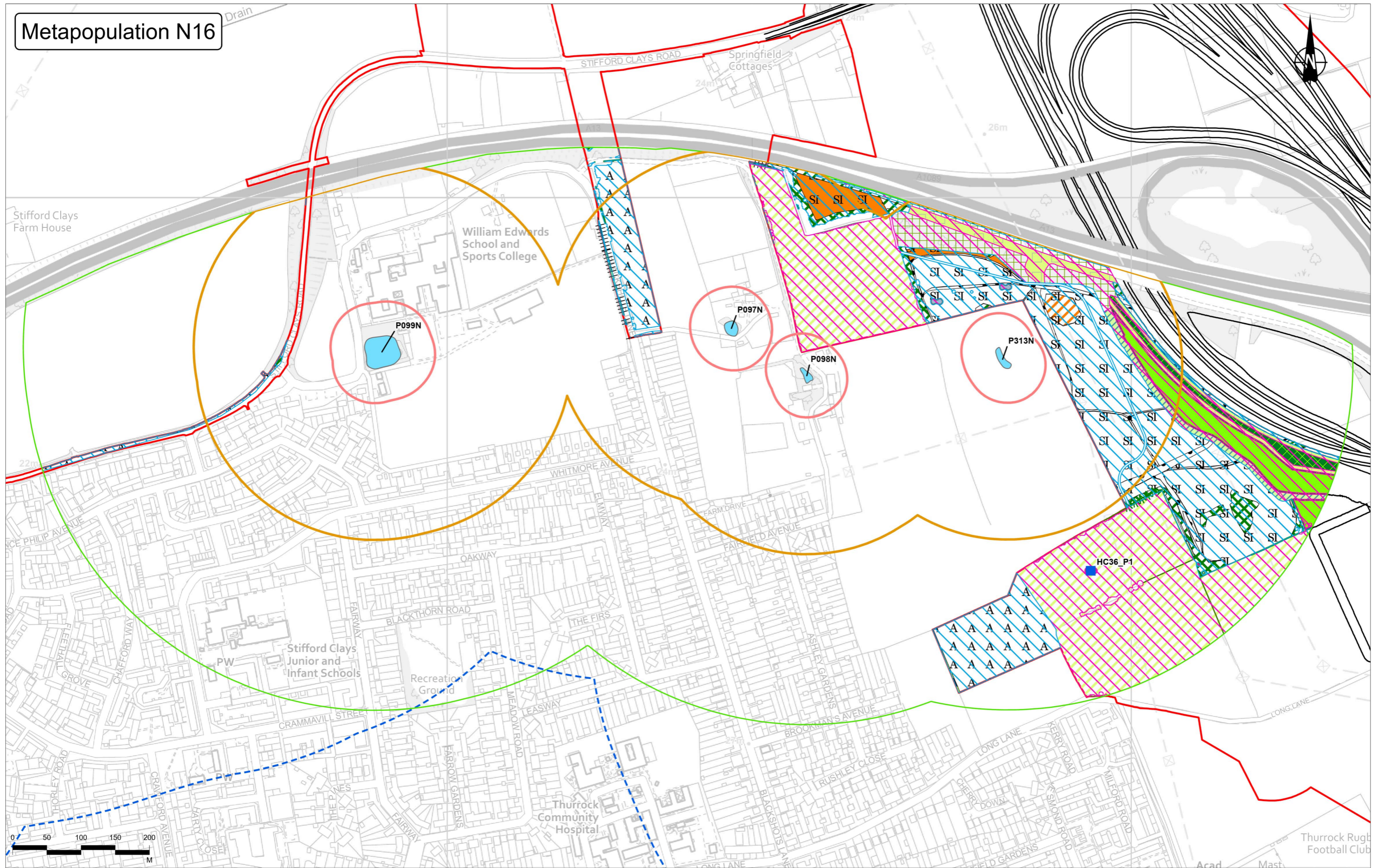


LOWER THAMES CROSSING

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Application Document Number	TR010032/APP/6.2		A3	P02
Drawing Title	Figure E3.1 - Habitat Measure Map Metapopulation N15			
	Page 20 of 25			
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60035			

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

Metapopulation N16



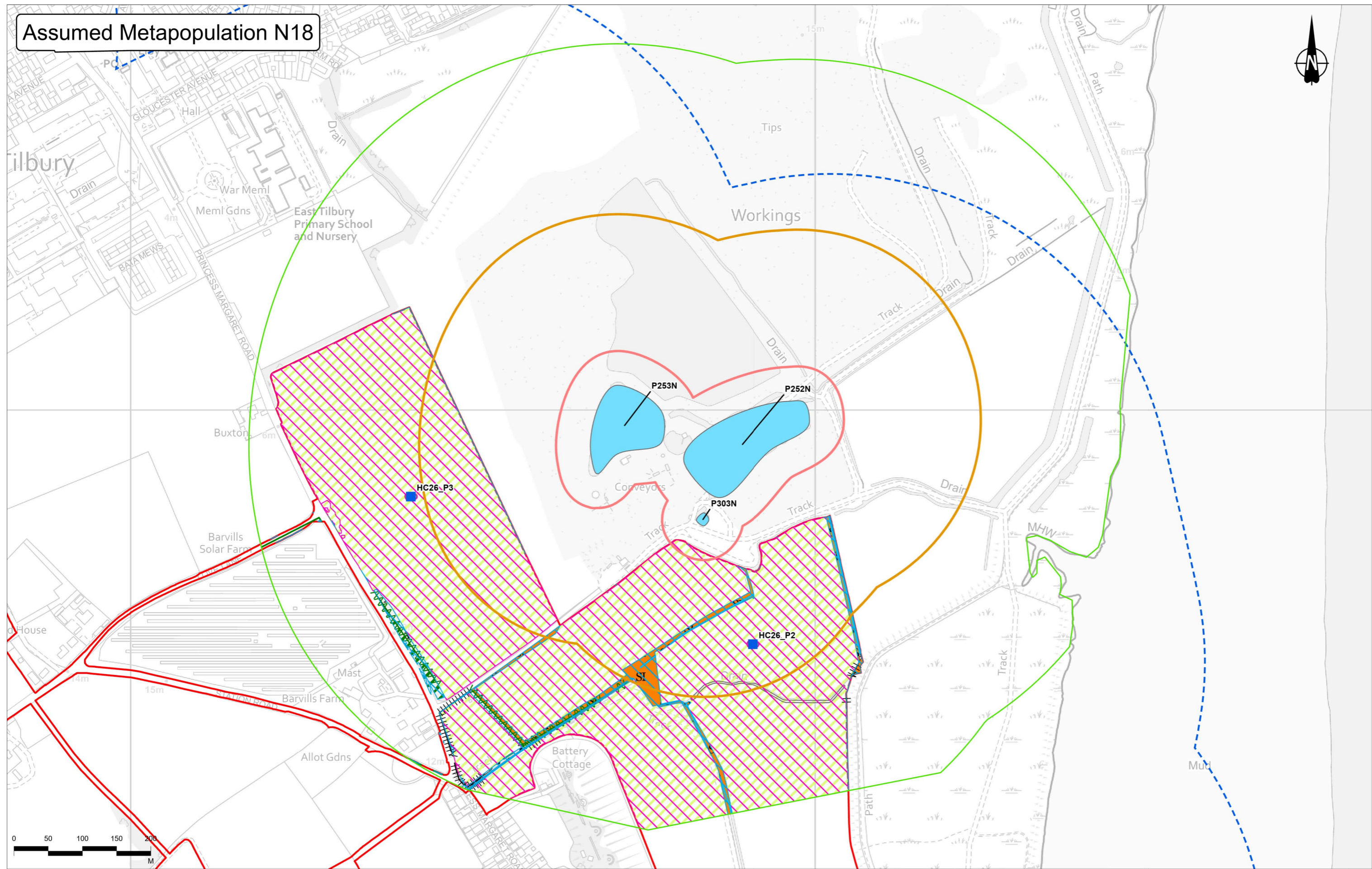
- Legend**
- Order Limits
 - 250m pond buffer
 - 500m pond buffer
 - Mitigation
 - Route Alignment
 - Reinstated Habitat
 - Ponds
 - Habitat Creation
 - Non GCN Pond
 - GCN Survey Area

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

LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:5,000		
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Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60035				

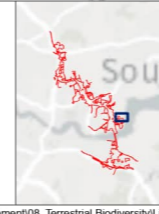
Assumed Metapopulation N18



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P02	S8	27/09/2022	DCO Application	CD	HT	BF

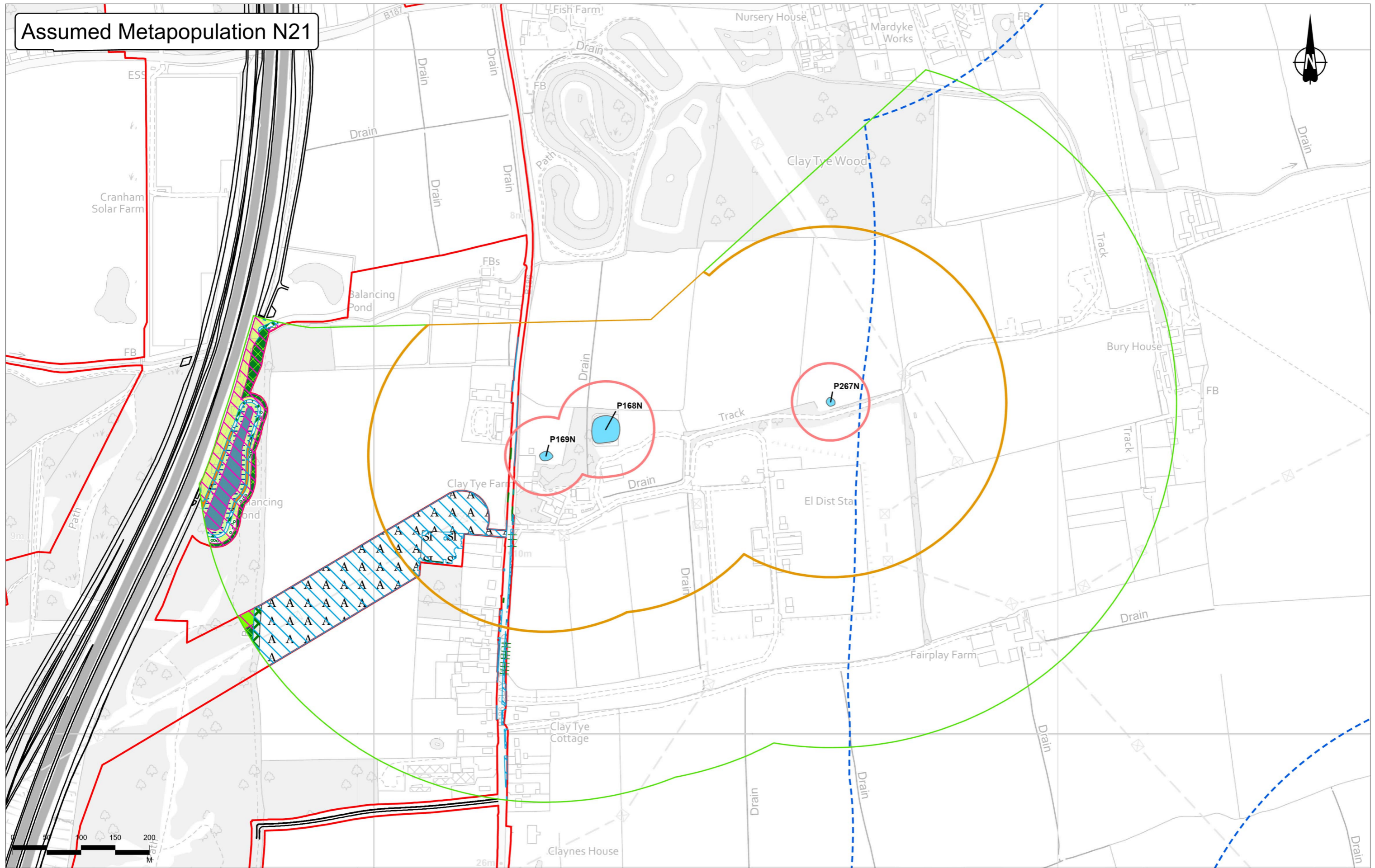
- Legend**
- Order Limits
 - Route Alignment
 - GCN Survey Area
 - Habitat Creation
 - Reinstated Habitat
 - Ponds
 - Pond buffers
 - 50m pond buffer
 - 250m pond buffer
 - Mitigation
 - 500m pond buffer
 - Non GCN Pond



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Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:5,000		
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Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60035				

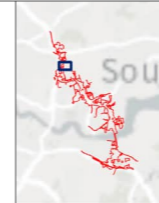
Assumed Metapopulation N21



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P02	S8	27/09/2022	DCO Application	CD	HT	BF

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

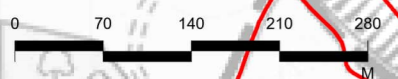
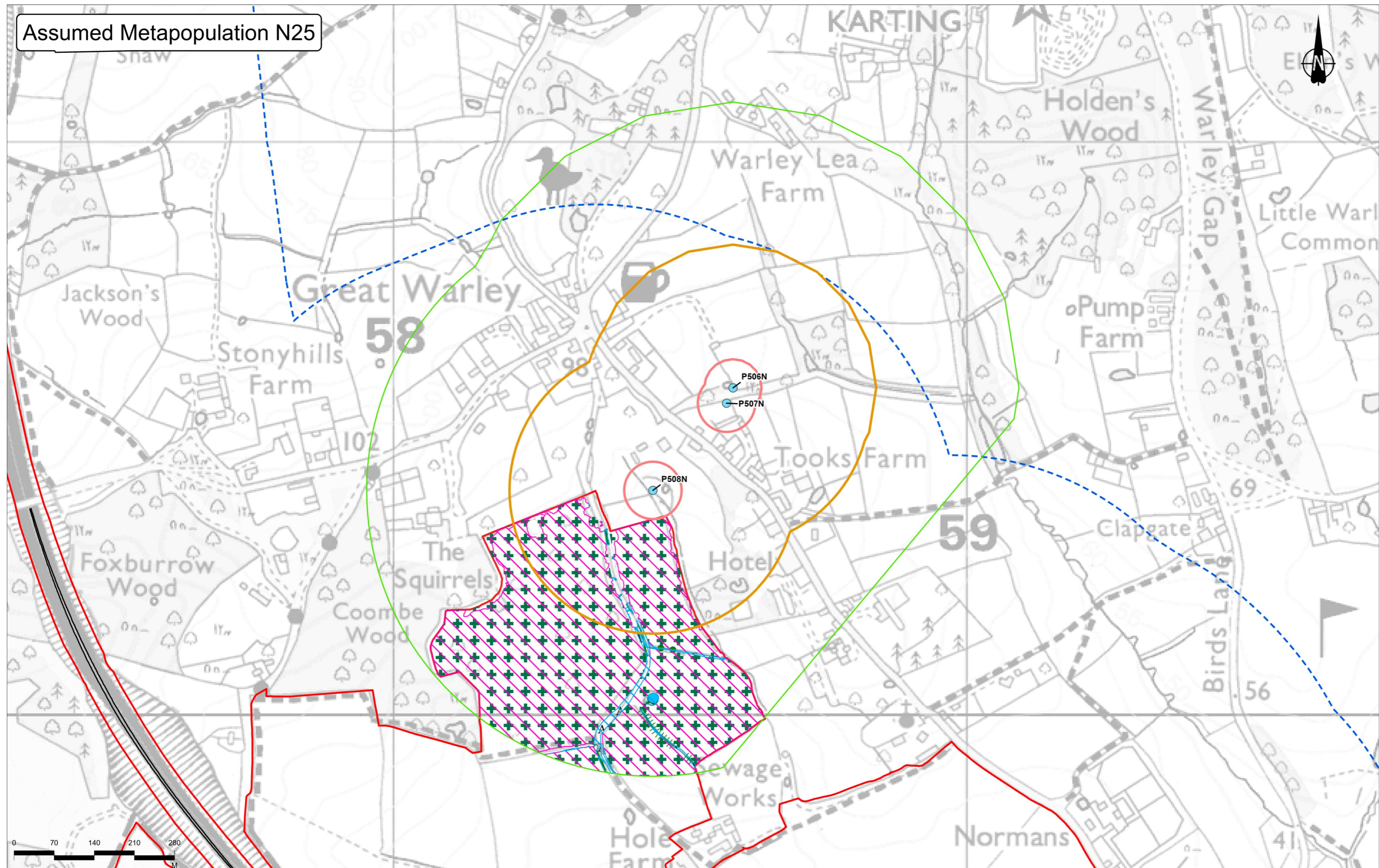


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LOWER THAMES CROSSING

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Application Document Number	TR010032/APP/6.2	Scale	1:5,000		
Drawing Title	Figure E3.1 - Habitat Measure Map Assumed Metapopulation N21				
	Page 23 of 25				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60035				

Assumed Metapopulation N25



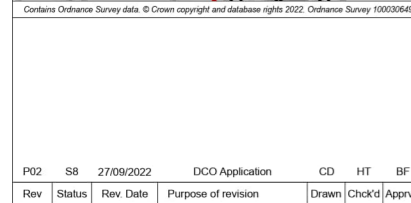
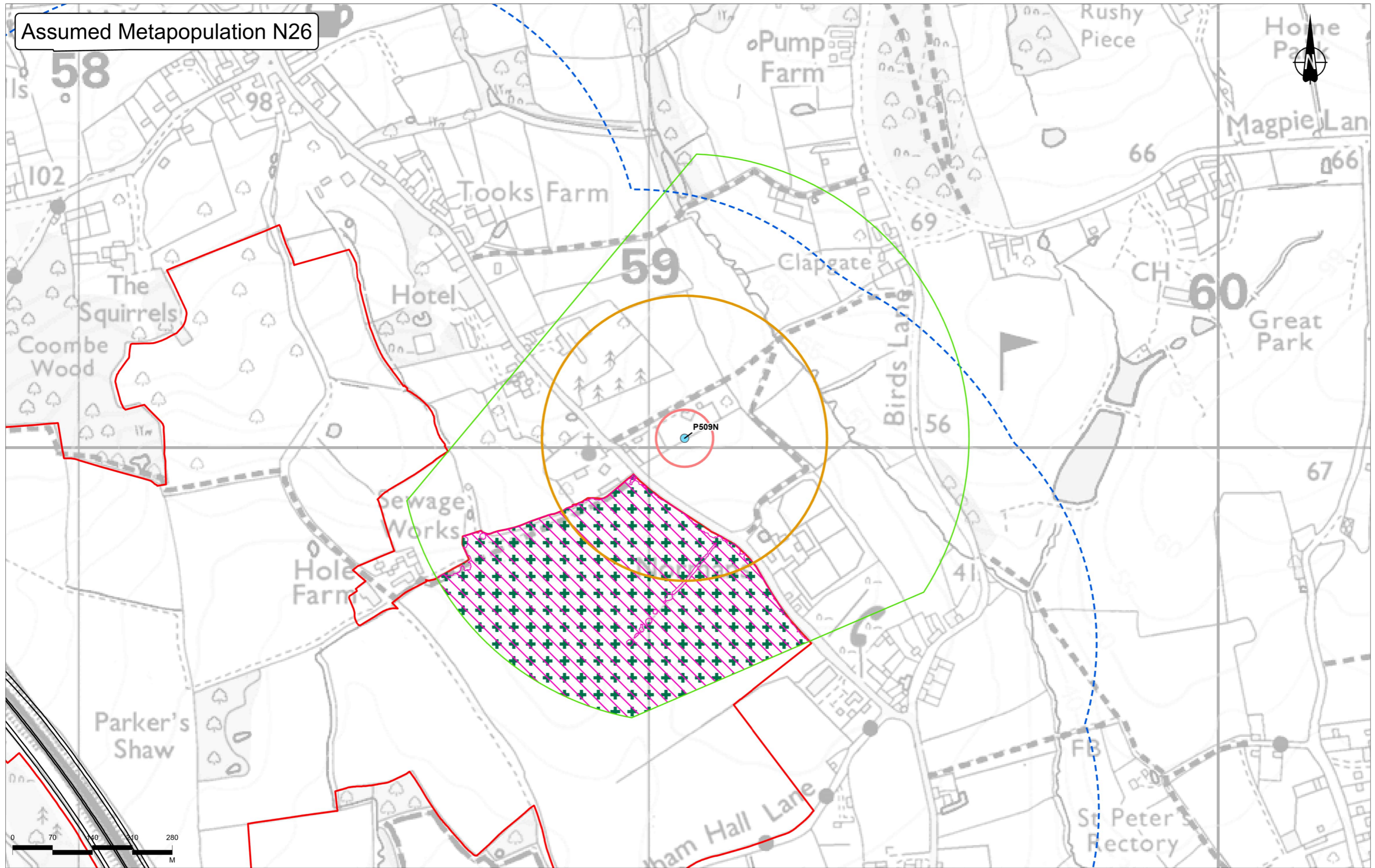
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- Legend**
- Order Limits
 - Route Alignment
 - GCN Survey Area
 - Habitat Creation
 - Reinstated Habitat
 - Ponds
 - Pond buffers
 - 50m pond buffer
 - 250m pond buffer
 - 500m pond buffer

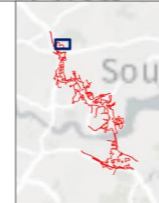
P02	S8	27/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

 LOWER THAMES CROSSING	Client	national highways	Status	DCO APPLICATION	Original Size	Revision
	Application Document Number	TR010032/APP/6.2	Scale	1:6,000	A3	P02
	Drawing Title	Figure E3.1 - Habitat Measure Map Assumed Metapopulation N25 Page 24 of 25				
Drawing Number			HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60035			

Assumed Metapopulation N26



- Legend**
- Order Limits
 - GCN Survey Area
 - Ponds
 - Habitat Creation
 - Reinstated Habitat
 - 250m pond buffer
 - 500m pond buffer

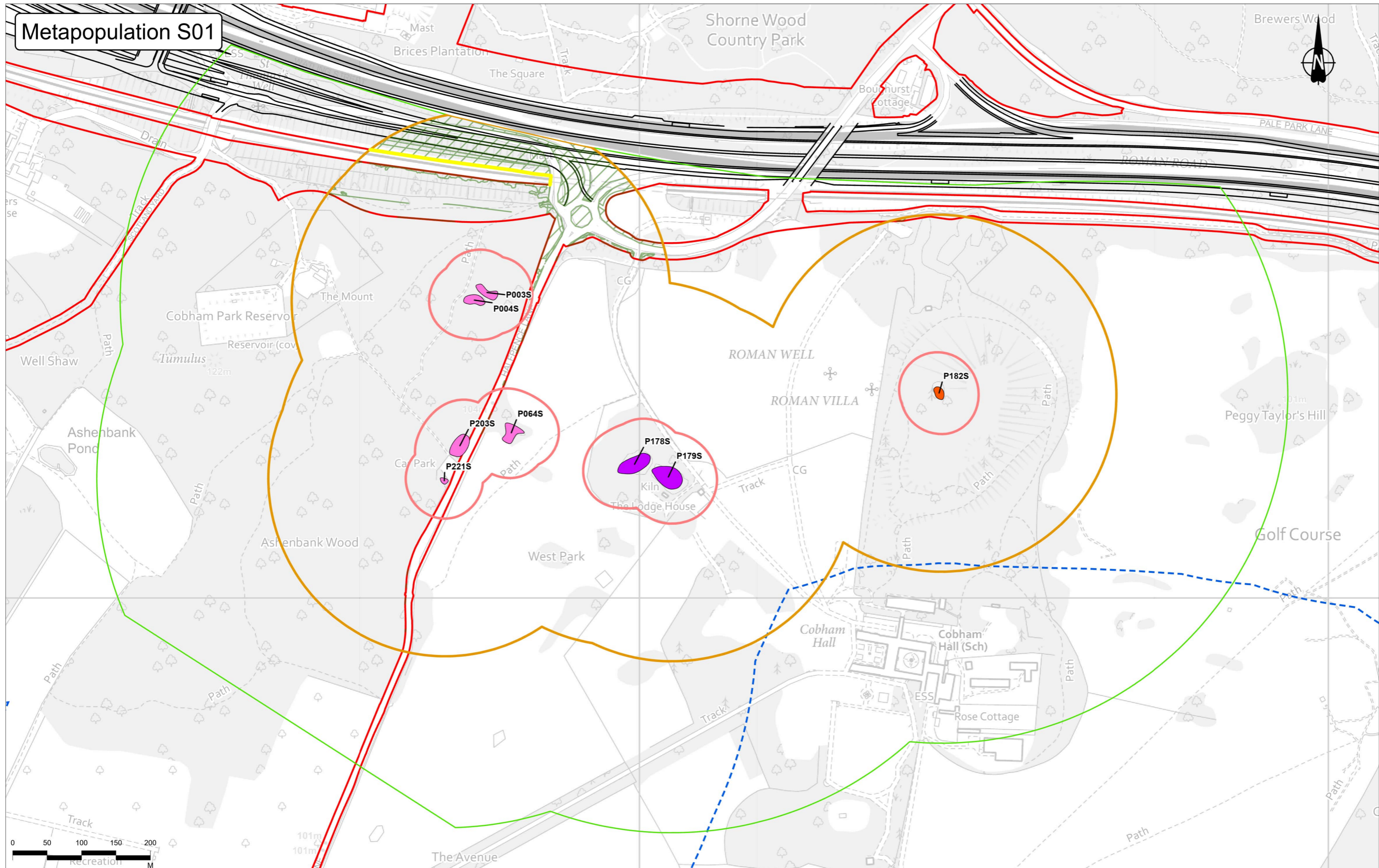


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Project
LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:6,000		
Drawing Title	Figure E3.1 - Habitat Measure Map Assumed Metapopulation N26 Page 25 of 25				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60035				

Metapopulation S01



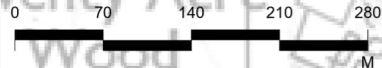
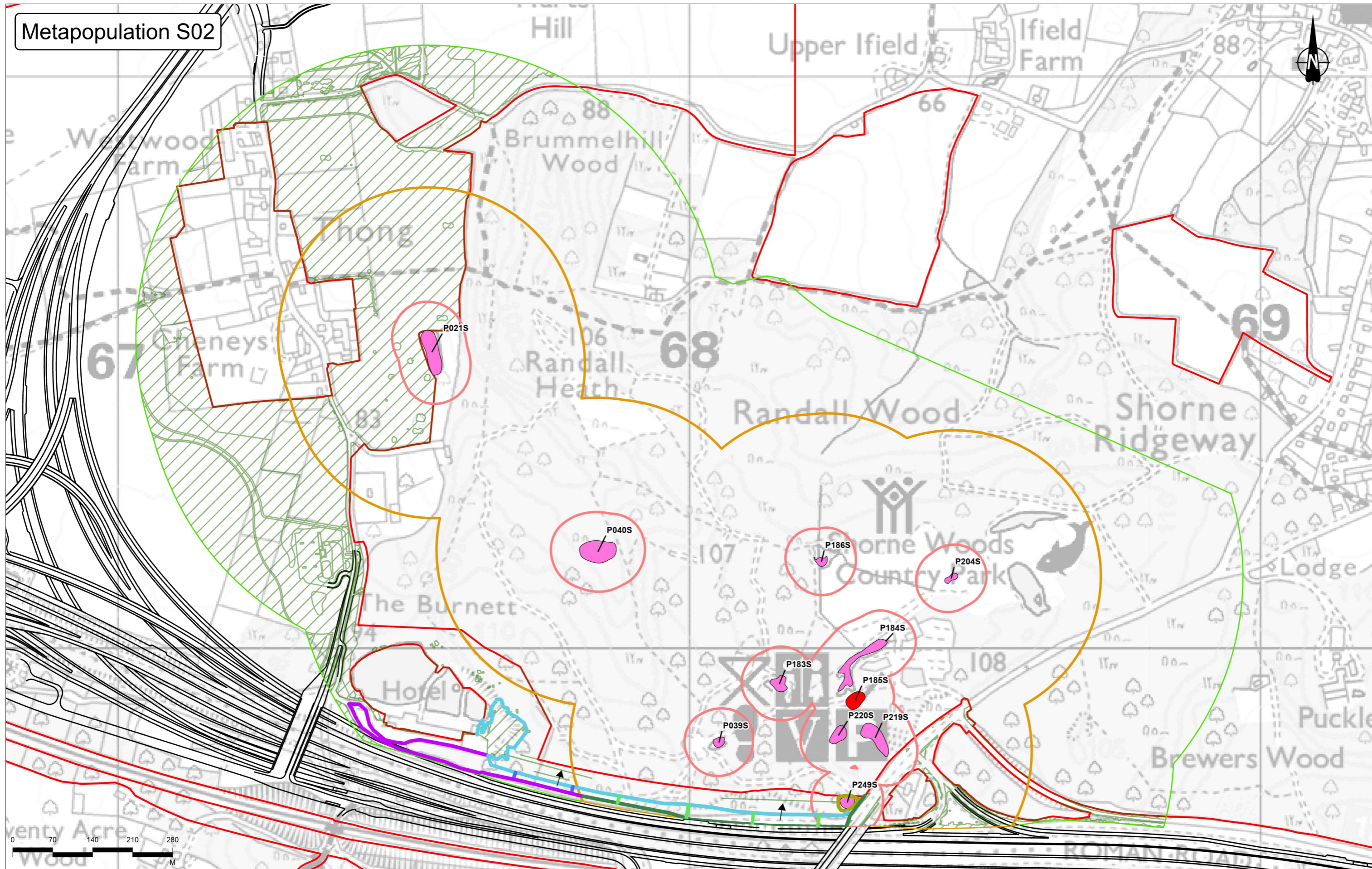
Legend

- | | | |
|----------------------|--|-------------------------------|
| Order Limits | Ponds Present - Conventional | Pond buffers 50m pond buffer |
| Route Alignment | Ponds Present - eDNA | Pond buffers 250m pond buffer |
| GCN Survey Area | Ponds Assumed present - Desk Study (No access) | Pond buffers 500m pond buffer |
| Habitat Manipulation | | |

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

	Client	DCO APPLICATION	Original Size	A3	Revision	P02
	Application Document Number	TR010032/APP/6.2	Scale	1:5,000		
Project	LOWER THAMES CROSSING		Drawing Title Figure E4a - Capture and Exclusion Metapopulation S01 Page 1 of 21			
Drawing Number			HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60036			

Metapopulation S02



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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

Legend

- Order Limits
- Route Alignment
- GCN Survey Area
- Habitat Manipulation
- Ponds**
- Present - Conventional
- Assumed present - Conventional
- Pond buffers**
- 50m pond buffer
- 250m pond buffer
- 500m pond buffer
- Fencing**
- DAF 60 Day
- DAF 90 Day
- Ring 60 day
- OWF
- TAF 60 Day
- TAF 90 Day

	Client	DCO APPLICATION	Original Size A3	Revision P02
	Project	LOWER THAMES CROSSING	Application Document Number	TR010032/APP/6.2
	Drawing Title		Figure E4a - Capture and Exclusion Metapopulation S02	
Drawing Number		HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60036		
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Metapopulation S04



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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

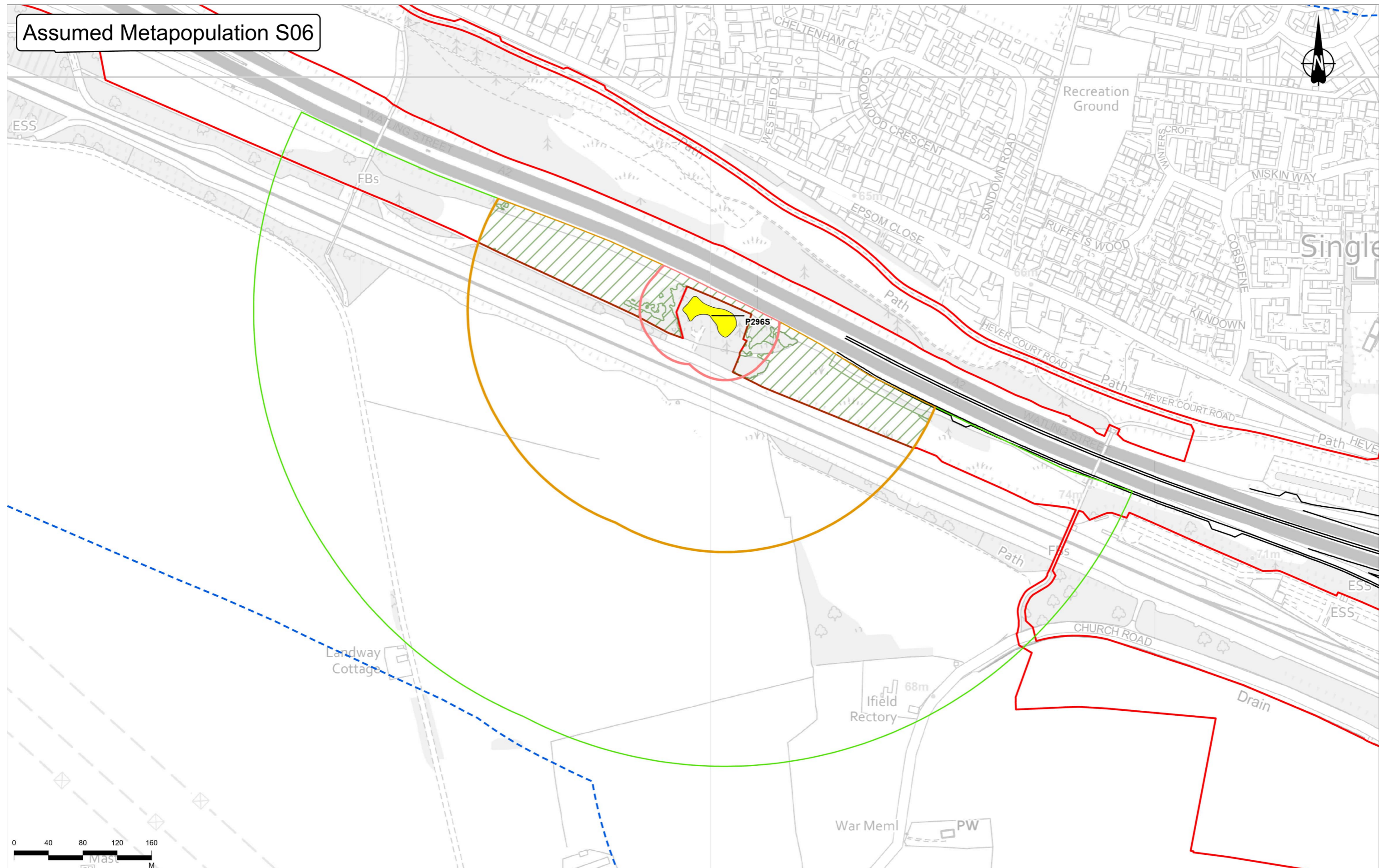
Legend	
	Order Limits
	Route Alignment
	GCN Survey Area
	Habitat Manipulation
	Pond Status, Survey Year
	Present - Incidental sighting (2017 & 2018)
	Pond buffers
	50m pond buffer
	250m pond buffer
	500m pond buffer
	Fencing
	TAF Exclusion only

Client:

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 E4a - Capture and Exclusion Metapopulation S04				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60036				

Assumed Metapopulation S06



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Legend	
Order Limits	Ponds
Route Alignment	Assumed present - No access
GCN Survey Area	Pond buffers
Habitat Manipulation	50m pond buffer
	250m pond buffer
	500m pond buffer

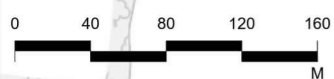
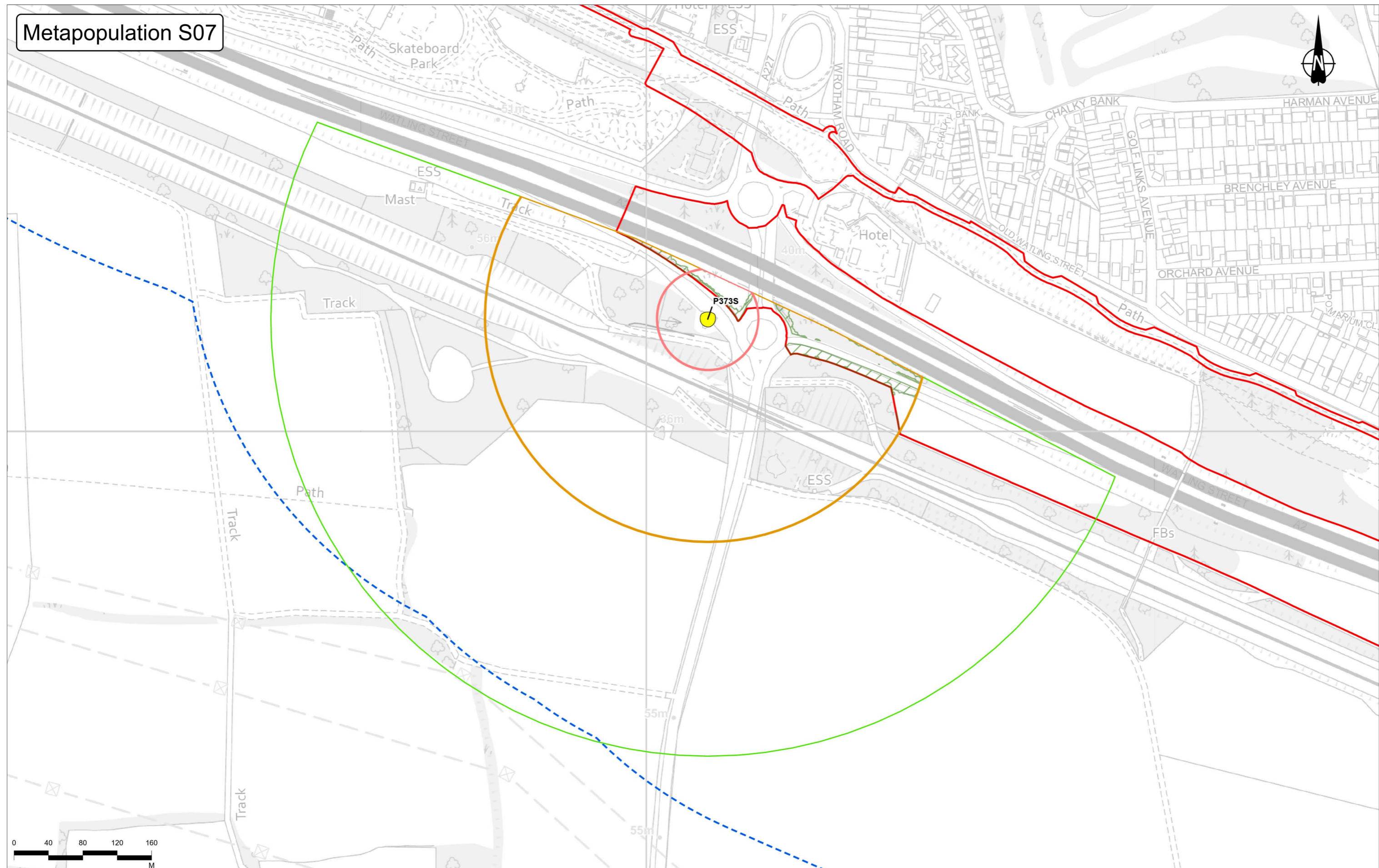
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P02	S8	27/09/2022	DCO Application	CD	HT	BF

Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:4,000		
Drawing Title	Figure E4a - Capture and Exclusion Assumed Metapopulation S06				
	Page 4 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60036				

Metapopulation S07



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- Legend**
- Order Limits
 - GCN Survey Area
 - Habitat Manipulation
 - Ponds
 - Assumed present - No access
 - 250m pond buffer
 - 500m pond buffer
 - Pond buffers
 - 50m pond buffer

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

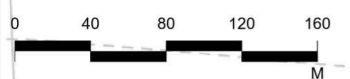
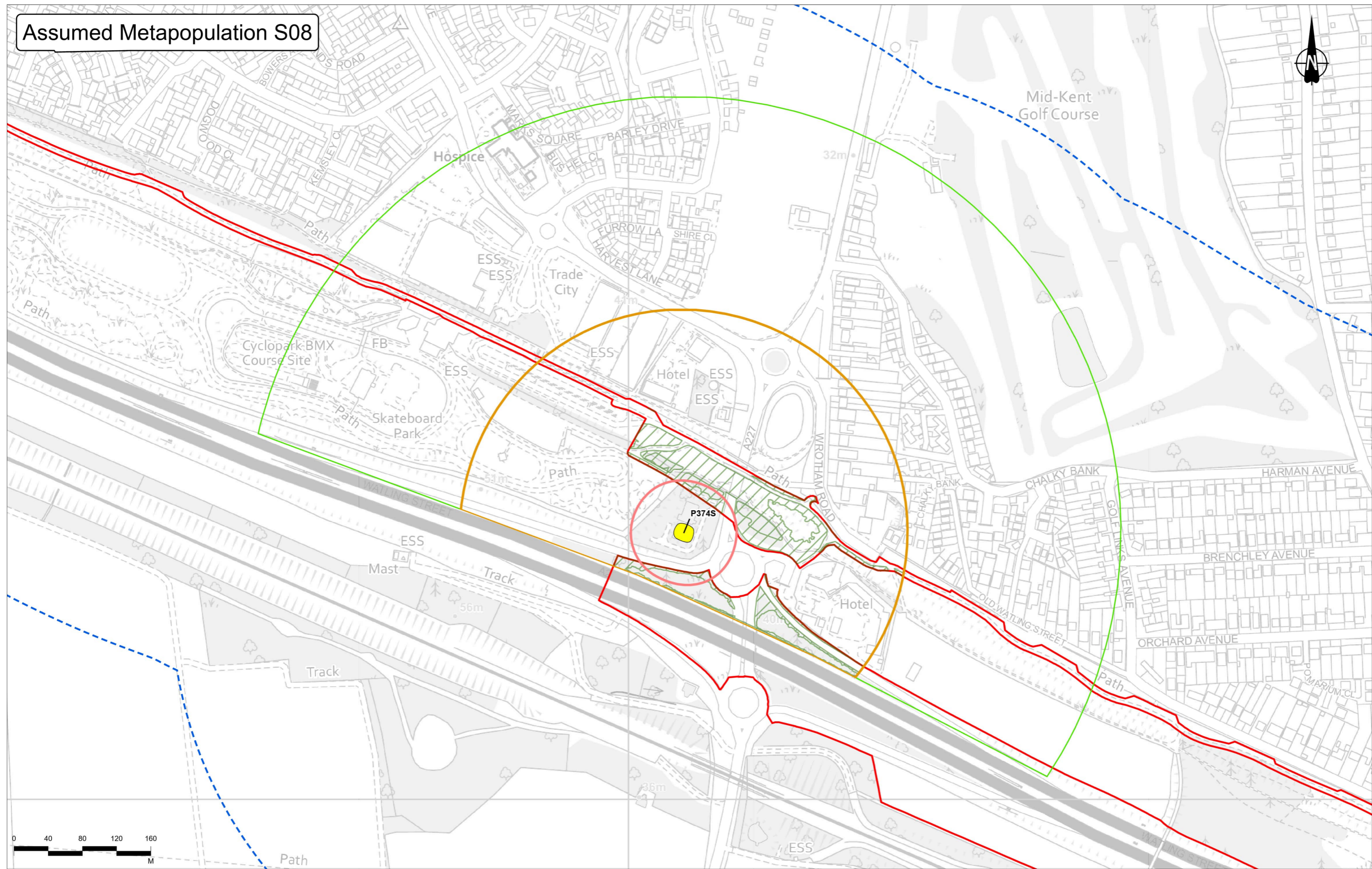


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LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:4,000		
Drawing Title	Figure E4a - Capture and Exclusion Metapopulation S07				
	Page 5 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60036				

Assumed Metapopulation S08



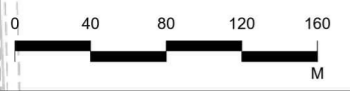
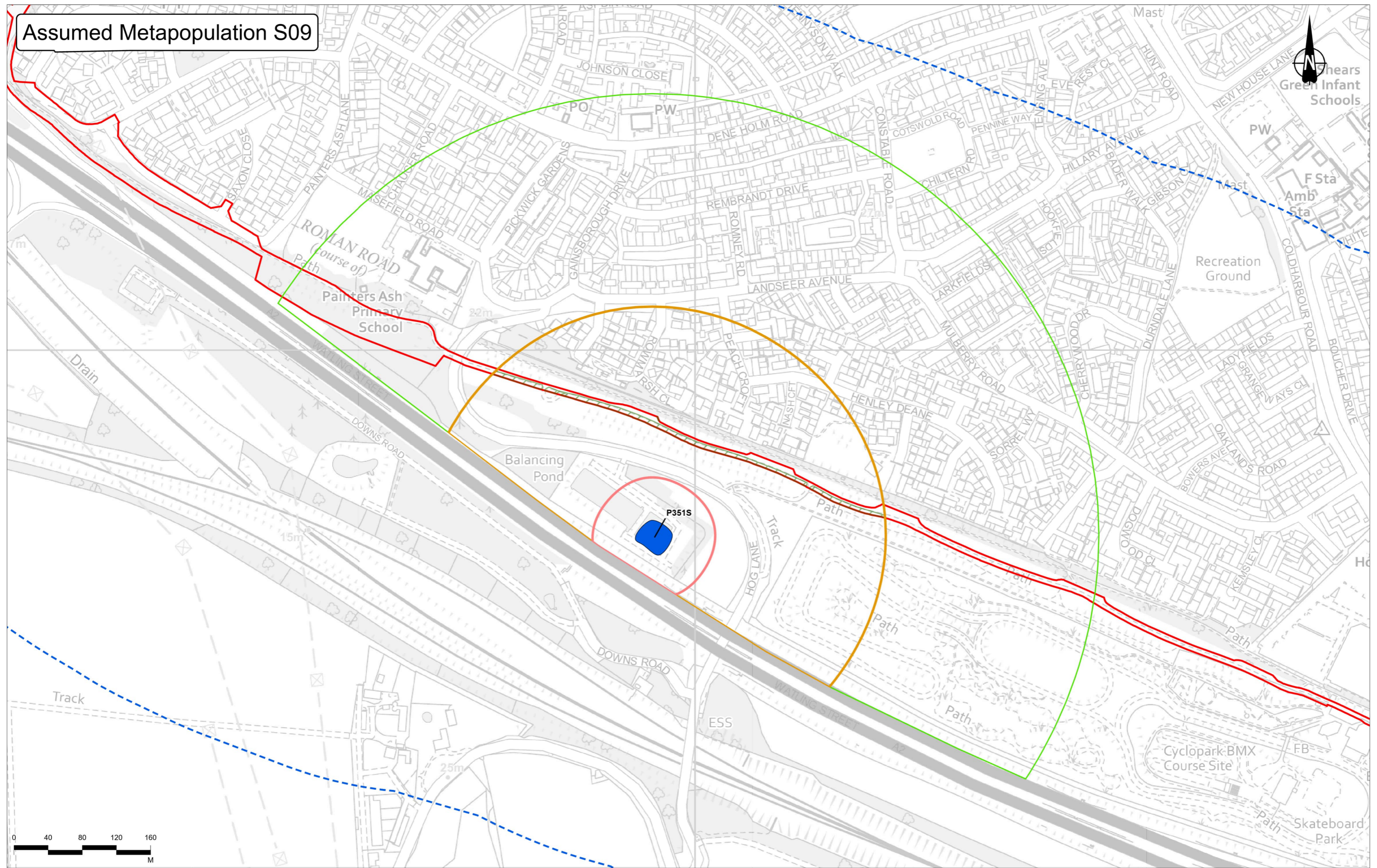
Legend

- Order Limits
- GCN Survey Area
- Habitat Manipulation
- Ponds
- Assumed present - No access
- 250m pond buffer
- 500m pond buffer
- Pond buffers
- 50m pond buffer

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

 LOWER THAMES CROSSING	Client	Status	DCO APPLICATION	Original Size	A3	Revision	P02
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		Drawing Number HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60036					

Assumed Metapopulation S09

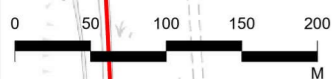
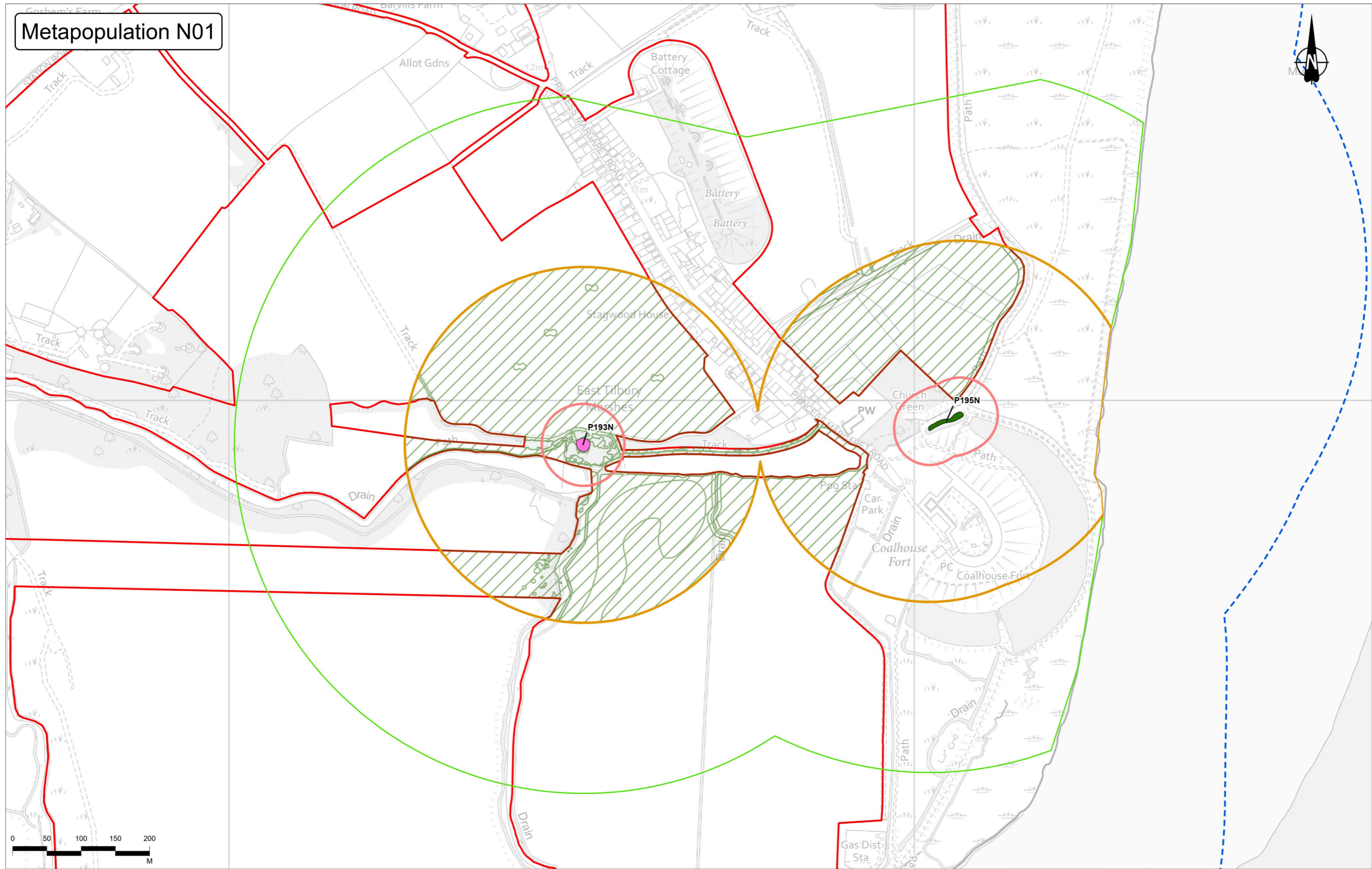


Legend	
Order Limits	Ponds
GCN Survey Area	Assumed present - eDNA inconclusive
Habitat Manipulation	250m pond buffer
	500m pond buffer
	50m pond buffer

	Client	DCO APPLICATION	Original Size	A3	Revision	P02
	Project	LOWER THAMES CROSSING	Application Document Number	TR010032/APP/6.2	Scale	1:4,000
	Drawing Title	Figure E4a - Capture and Exclusion Assumed Metapopulation S09				
	Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60036				

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

Metapopulation N01



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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

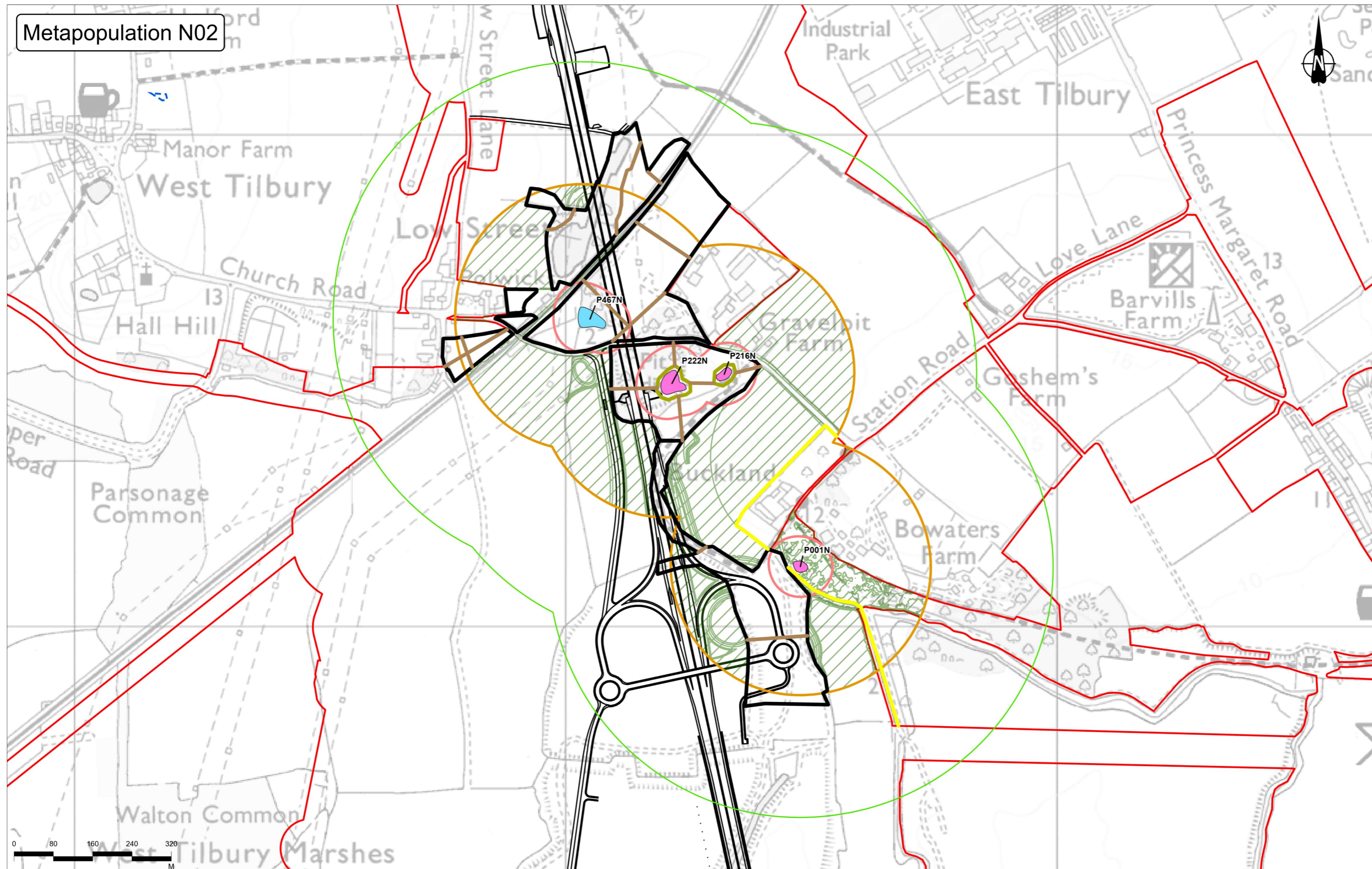
Legend		Ponds	Pond buffers
	Order Limits		
	GCN Survey Area		
	Habitat Manipulation		

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 E4a - Capture and Exclusion Metapopulation N01				
	Page 8 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60036				

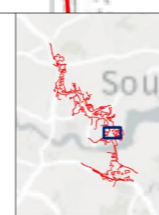
Metapopulation N02



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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

Legend		Pond buffers		Fencing	
	Order Limits		50m pond buffer		DAF 30 Day
	Route Alignment		250m pond buffer		TAF 30 Day
	GCN Survey Area		Assumed present - eDNA		TAF Exclusion only
	Habitat Manipulation		Present - Conventional		Ring 60 day



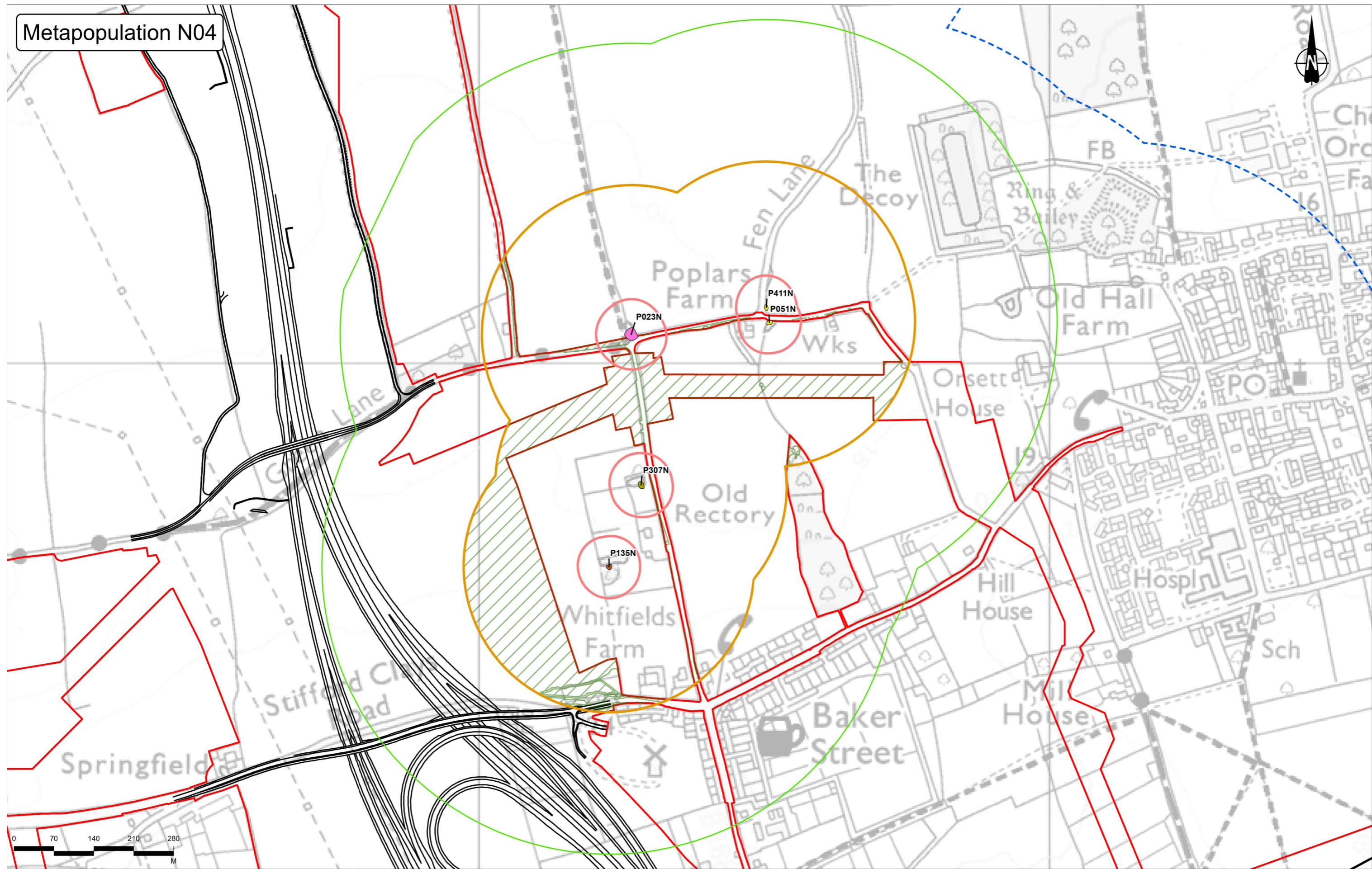
Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:7,000		
Drawing Title	Figure E4a - Capture and Exclusion Metapopulation N02				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60036				

Page 9 of 21

Metapopulation N04

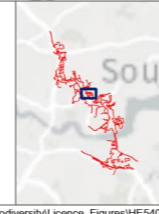


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Legend

- | | | | |
|----------------------|-------------------------------|-----------------------------|------------------|
| Order Limits | Ponds | Assumed present - No access | 500m pond buffer |
| Route Alignment | Present - Conventional | Pond buffers | |
| GCN Survey Area | Present - Desk Study | 50m pond buffer | |
| Habitat Manipulation | Present - Incidental sighting | 250m pond buffer | |

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

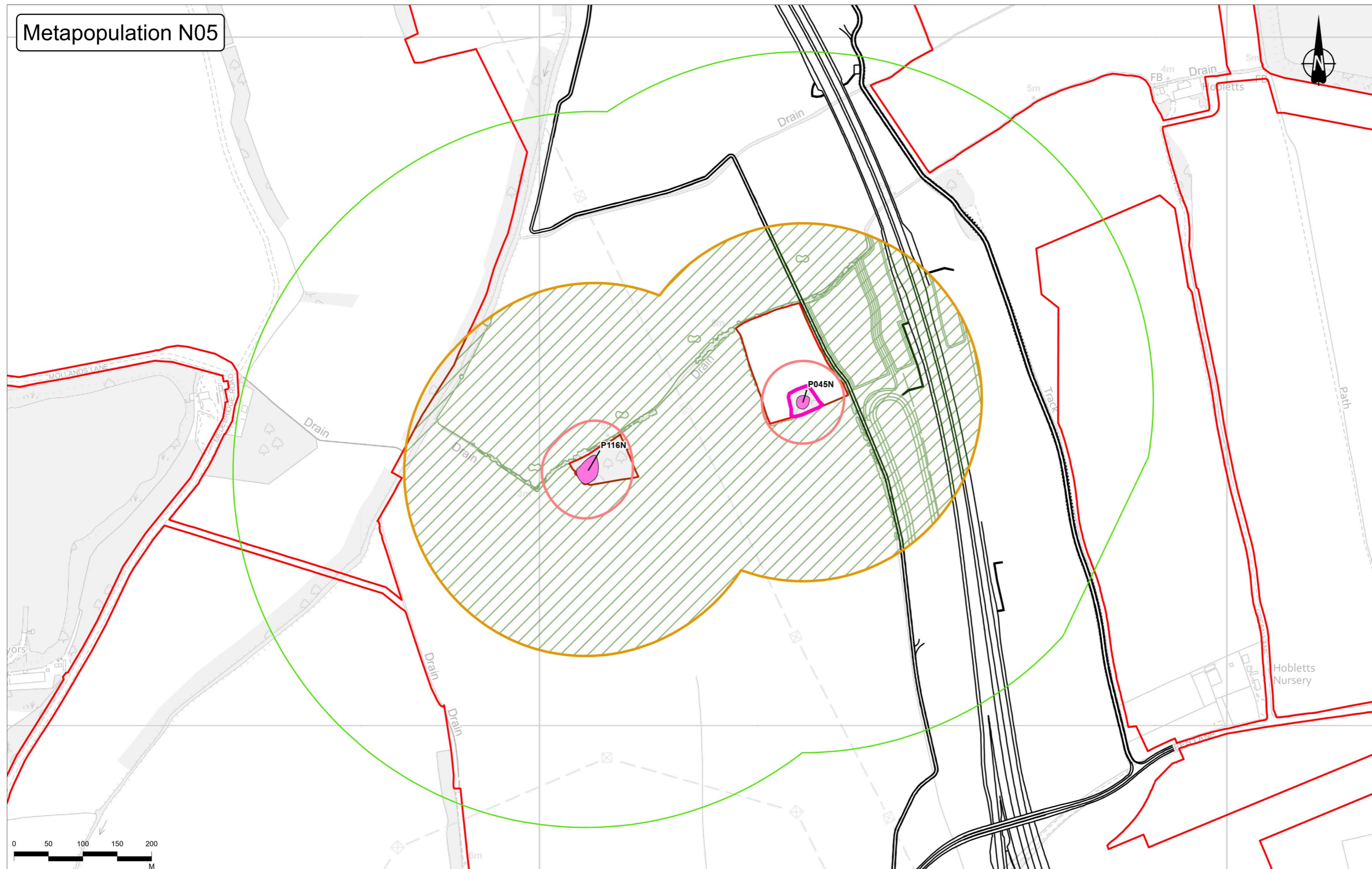


Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:6,000		
Drawing Title	Figure E4a - Capture and Exclusion Metapopulation N04				
	Page 10 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60036				

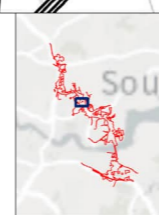
Metapopulation N05



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

Legend	
Order Limits	Habitat Manipulation
Route Alignment	Ponds
GCN Survey Area	Present - Conventional
50m pond buffer	250m pond buffer
500m pond buffer	Ring 30 day
Fencing	

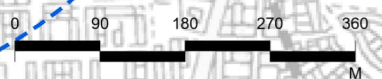
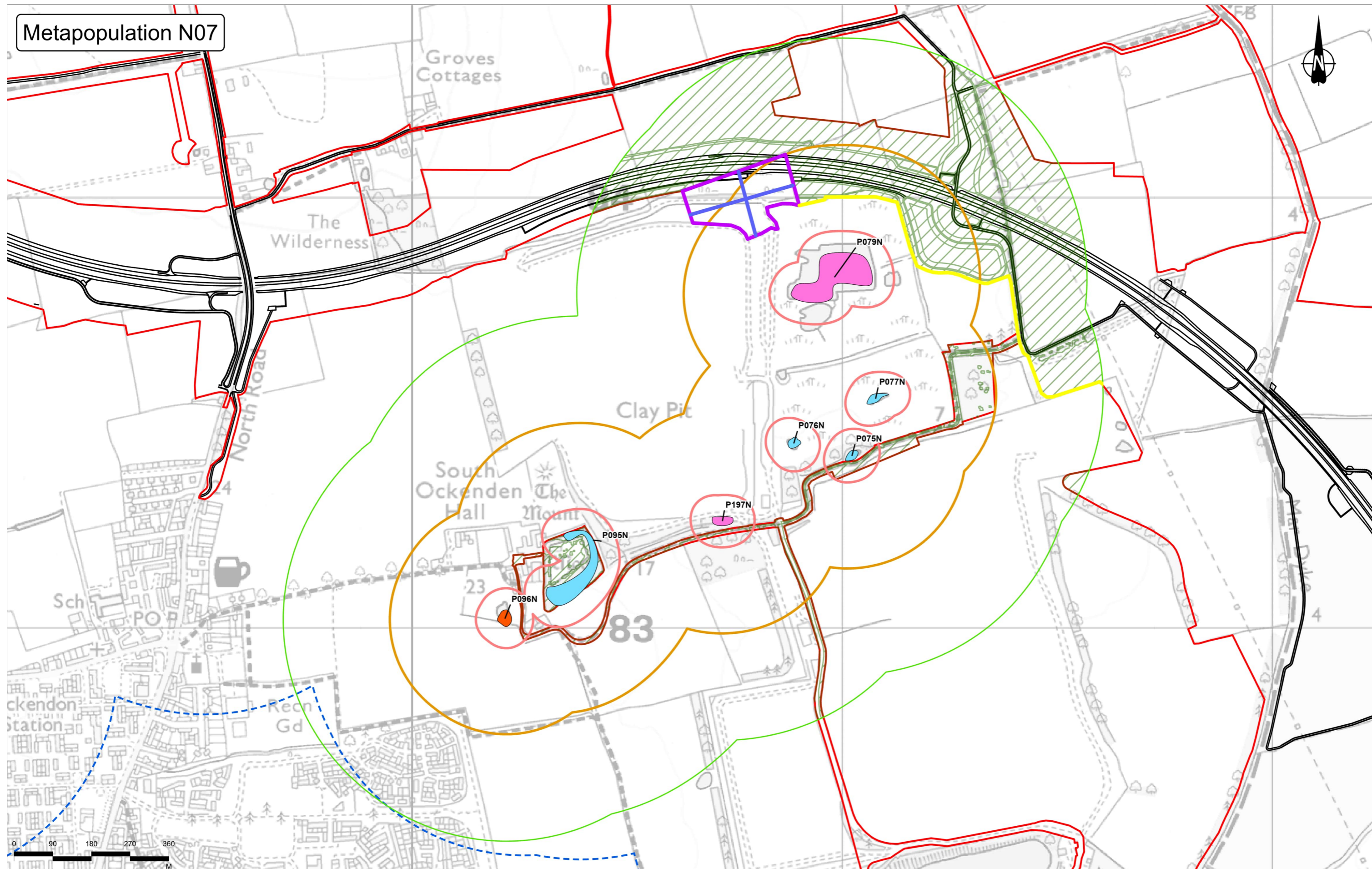


Client
national highways

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 E4a - Capture and Exclusion Metapopulation N05				
	Page 11 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60036				

Metapopulation N07



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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

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						

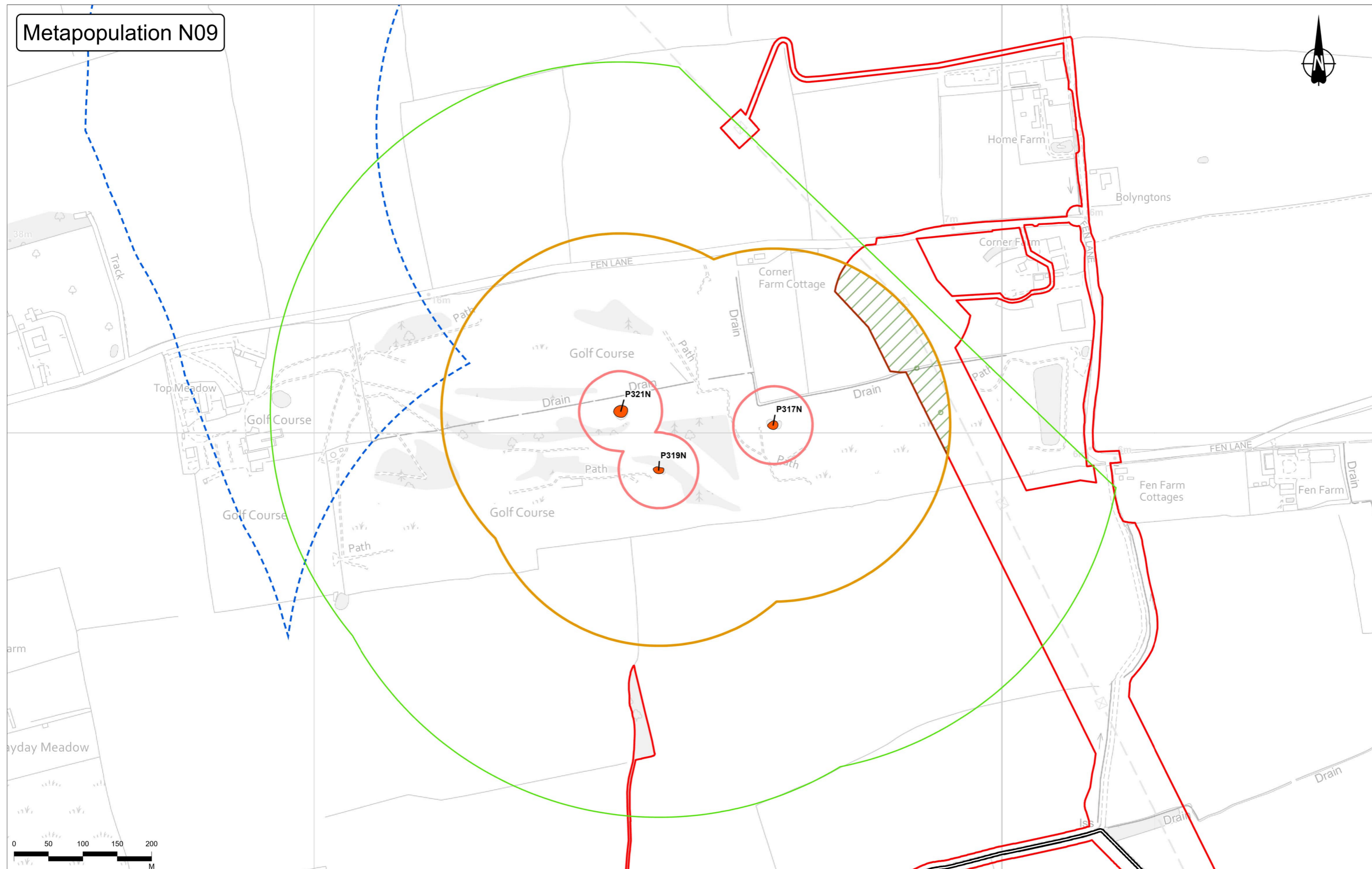
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:8,000		
Drawing Title	Figure E4a - Capture and Exclusion Metapopulation N07				
	Page 12 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60036				

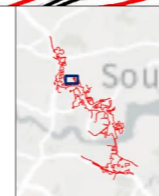
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Metapopulation N09



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- Legend**
- Order Limits
 - Habitat Manipulation
 - Pond buffers
 - 500m pond buffer
 - Route Alignment
 - Ponds
 - 50m pond buffer
 - Present - eDNA
 - 250m pond buffer
 - GCN Survey Area



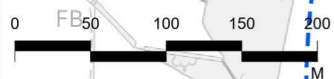
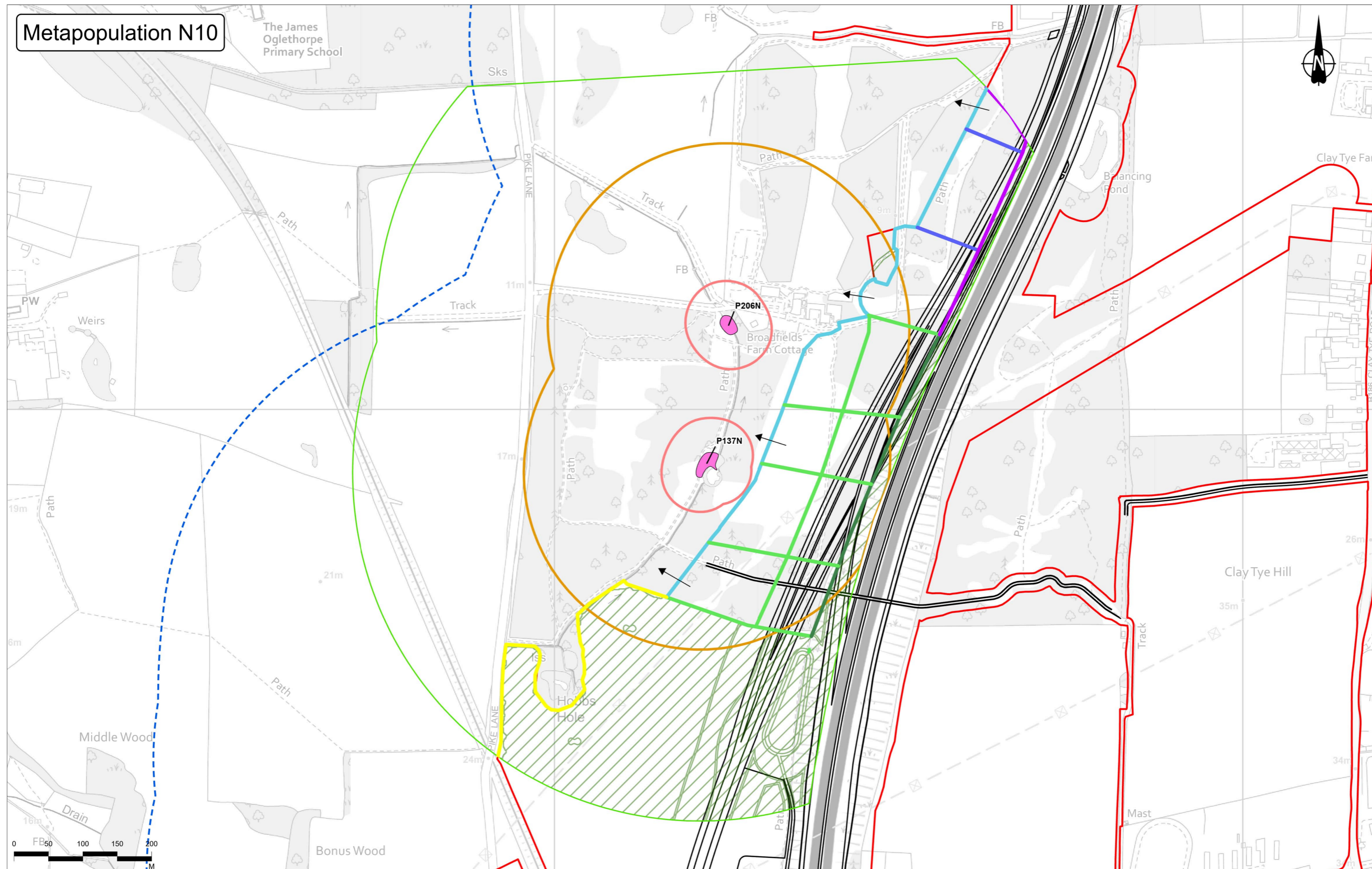
Client
national highways

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 E4a - Capture and Exclusion Metapopulation N09				
	Page 13 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60036				

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

Metapopulation N10



Legend

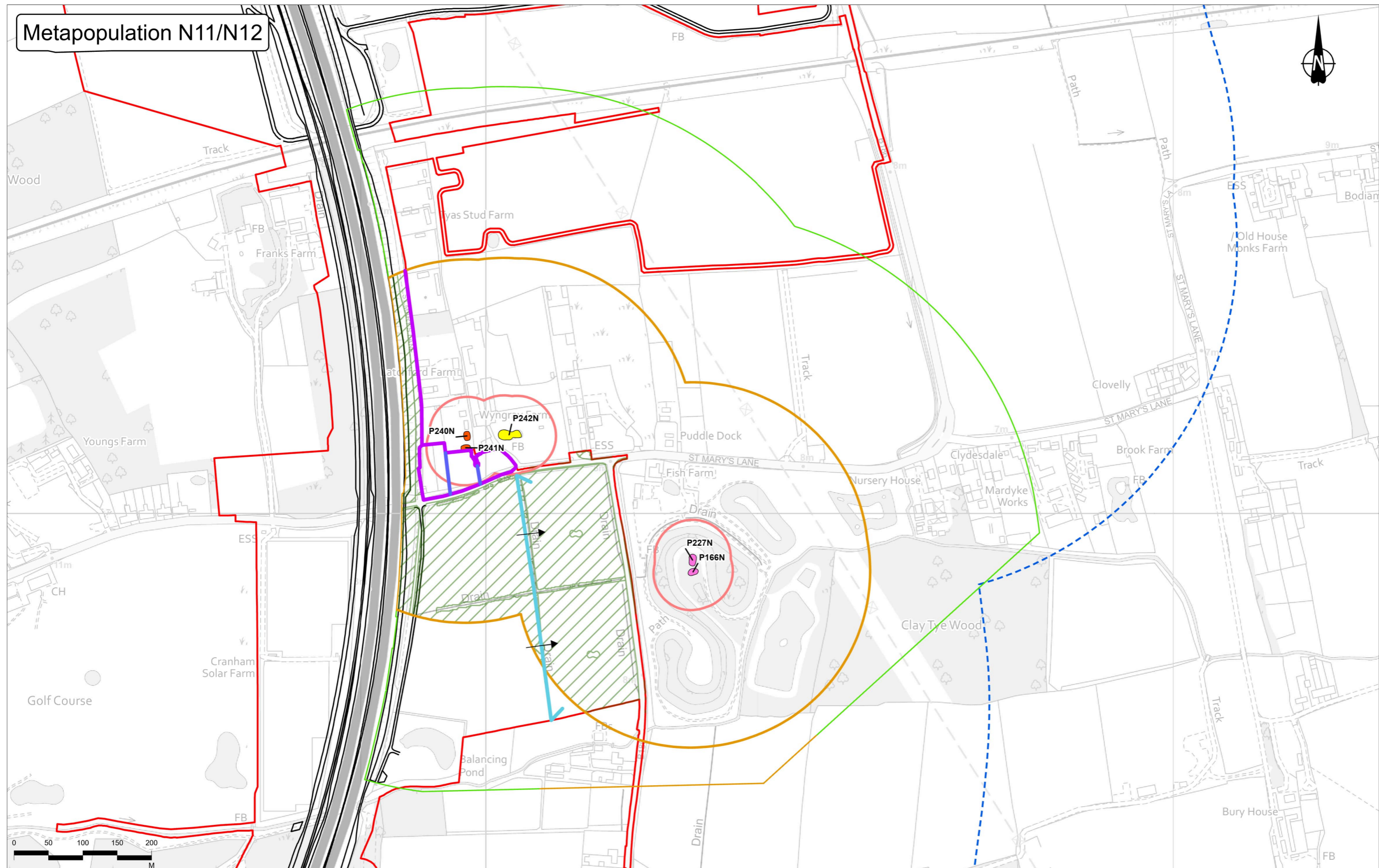
- Order Limits
- Route Alignment
- GCN Survey Area
- Habitat Manipulation
- Ponds**
- Present - Conventional
- Pond buffers**
- 50m pond buffer
- 250m pond buffer
- 500m pond buffer
- Fencing**
- DAF 60 Day
- DAF 90 Day
- TAF Exclusion only
- OWF
- TAF 60 Day
- TAF 90 Day

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

 LOWER THAMES CROSSING	Client	Status	DCO APPLICATION	Original Size	Revision
	Project	Application Document Number	TR010032/APP/6.2	A3	P02
	Drawing Title	Figure E4a - Capture and Exclusion Metapopulation N10			
		Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60036		
		Scale	1:5,000		
		Page 14 of 21			

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Metapopulation N11/N12



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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

Legend		Ponds	Pond buffers	Fencing
	Order Limits			
	Route Alignment			
	GCN Survey Area			
	Habitat Manipulation			

Client:

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 E4a - Capture and Exclusion Metapopulation N11/N12				
	Page 15 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60036				

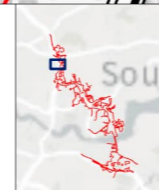
Metapopulation N13



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Legend

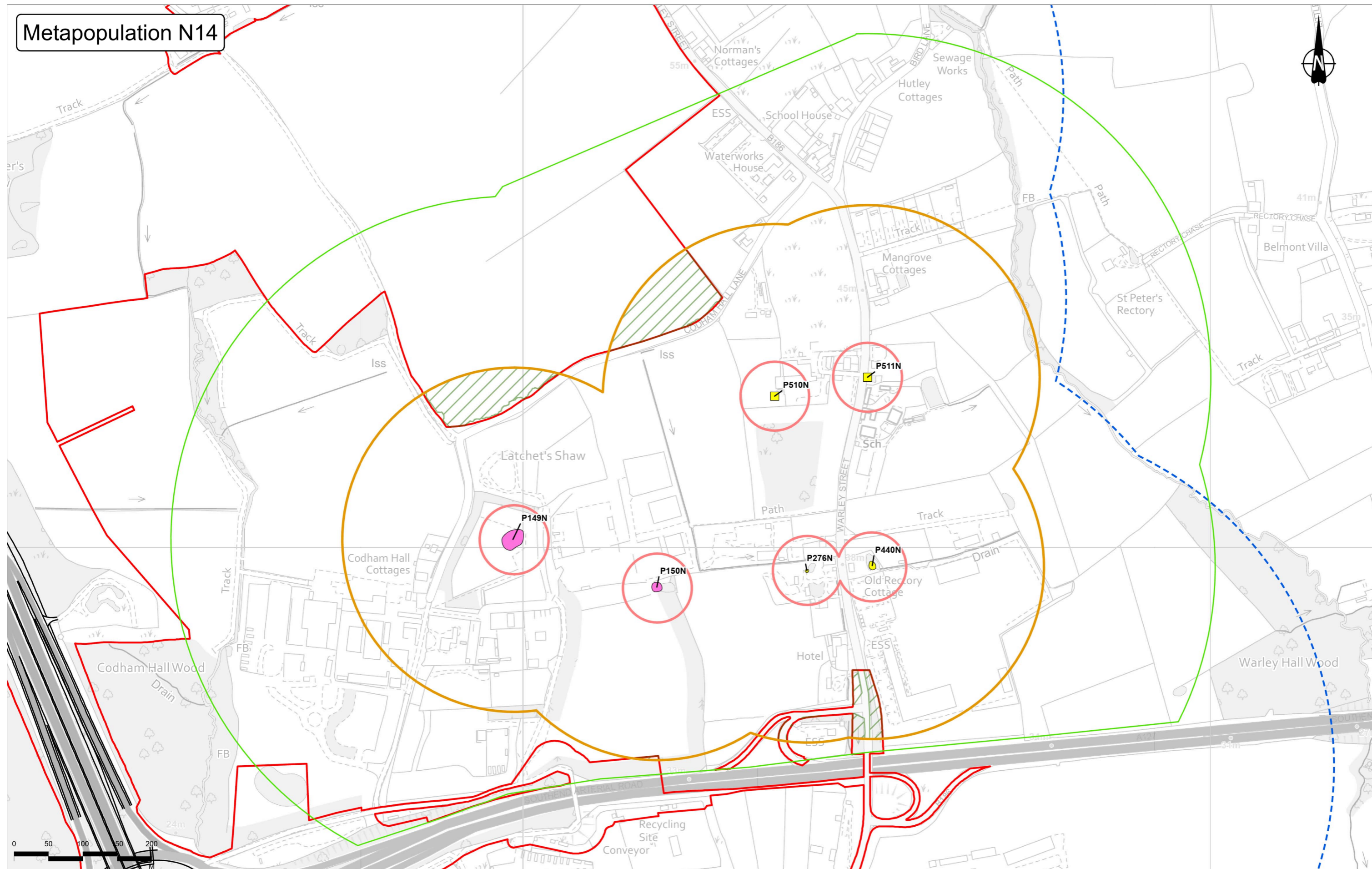
- | | | | |
|----------------------|------------------------------|--------------------|--------------------|
| Order Limits | Ponds Present - Conventional | 250m pond buffer | TAF Exclusion only |
| Route Alignment | Assumed present - No access | 500m pond buffer | Fencing TAF 90 day |
| GCN Survey Area | Pond buffers 50m pond buffer | Fencing DAF 90 Day | |
| Habitat Manipulation | | Fencing TAF 90 Day | |



LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	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				

Metapopulation N14



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

Legend	Pond Status, Survey Year	Pond buffers
Order Limits	Assumed present - No access	50m pond buffer
Route Alignment	Present - Conventional	250m pond buffer
GCN Survey Area	500m pond buffer	
Habitat Manipulation		

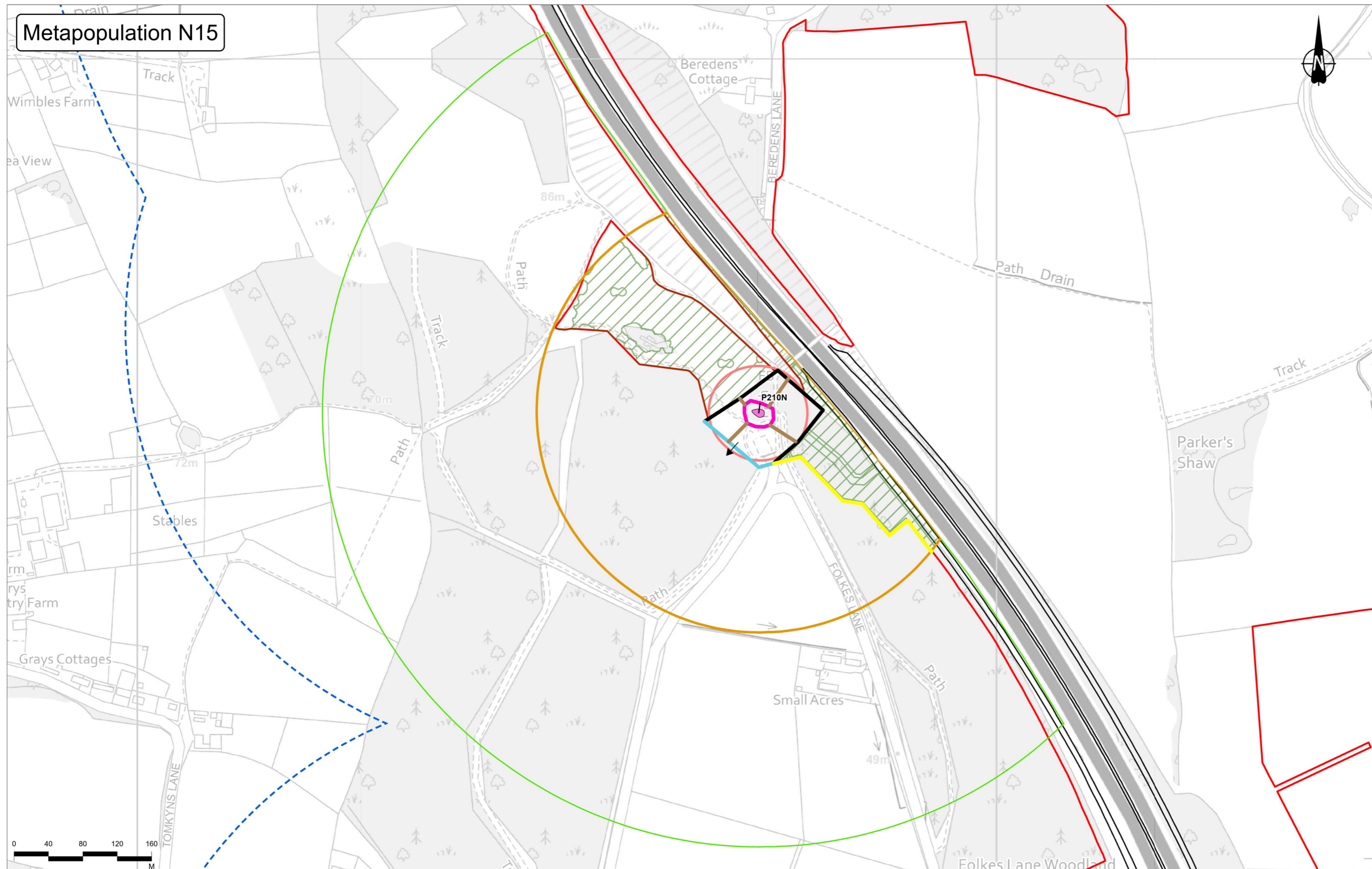
Client: national highways

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 E4a - Capture and Exclusion Metapopulation N14				
	Page 17 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60036				

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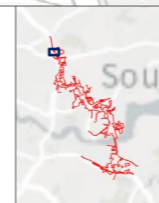
Metapopulation N15



Legend

- | | | | | |
|----------------------|------------------------|------------------|--------------------|----------------|
| Order Limits | Ponds | 250m pond buffer | OWF | Fencing |
| Route Alignment | Present - Conventional | 500m pond buffer | TAF 30 Day | Ring 30 day |
| GCN Survey Area | Pond buffers | Fencing | TAF Exclusion only | |
| Habitat Manipulation | 50m pond buffer | DAF 30 Day | | |

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

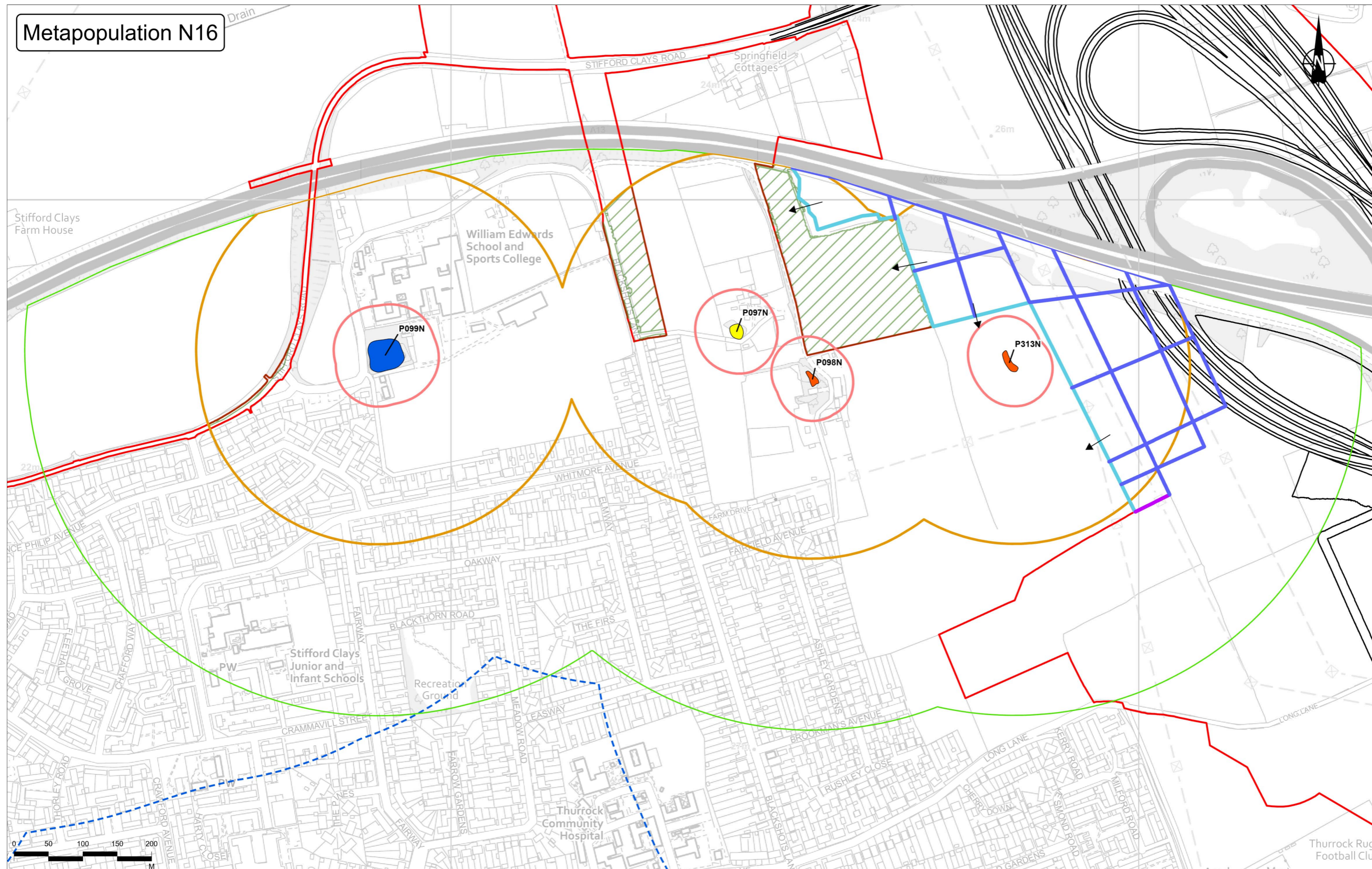


Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:4,000		
Drawing Title	Figure E4a - Capture and Exclusion Metapopulation N15				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60036				

Metapopulation N16



Legend

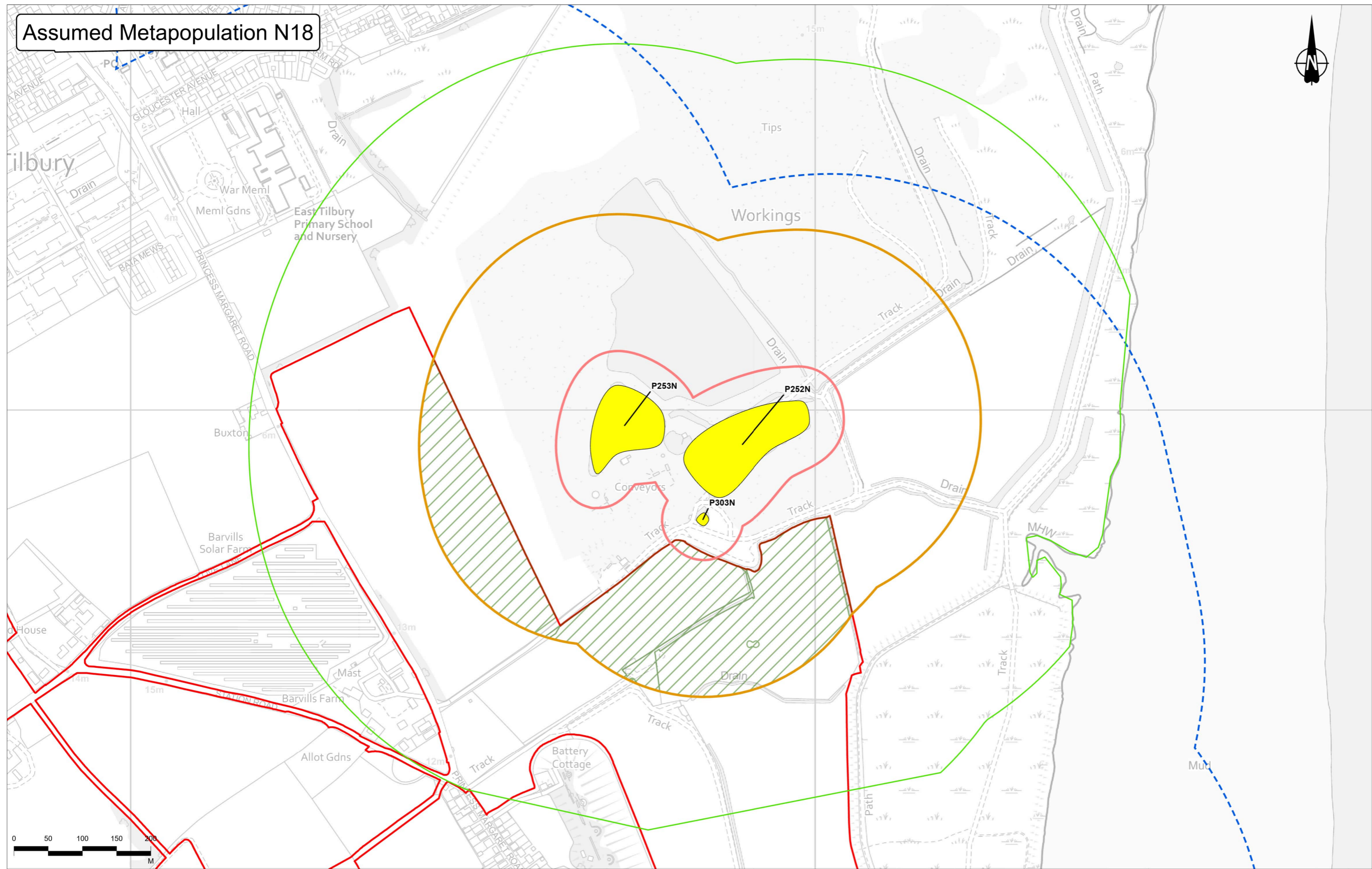
- | | | | |
|----------------------|-------------------------------------|------------------|------------|
| Order Limits | Ponds | Pond buffers | Fencing |
| Route Alignment | Present - eDNA | 50m pond buffer | DAF 60 Day |
| GCN Survey Area | Assumed present - No access | 250m pond buffer | OWF |
| Habitat Manipulation | Assumed present - eDNA inconclusive | 500m pond buffer | TAF 60 Day |

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

	Client	Status	DCO APPLICATION	Original Size	A3	Revision	P02
	Project	Application Document Number	TR010032/APP/6.2	Scale	1:5,000	Drawing Title	
LOWER THAMES CROSSING		Figure E4a - Capture and Exclusion Metapopulation N16					
		Page 19 of 21					
		Drawing Number: HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60036					

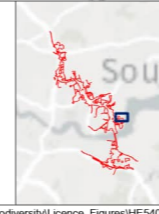
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Assumed Metapopulation N18



- Legend**
- ▭ Order Limits
 - - - GCN Survey Area
 - ▭ Habitat Manipulation
 - ▭ Ponds
 - ▭ Assumed present - No access
 - ▭ 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	Chkd	Apprvd

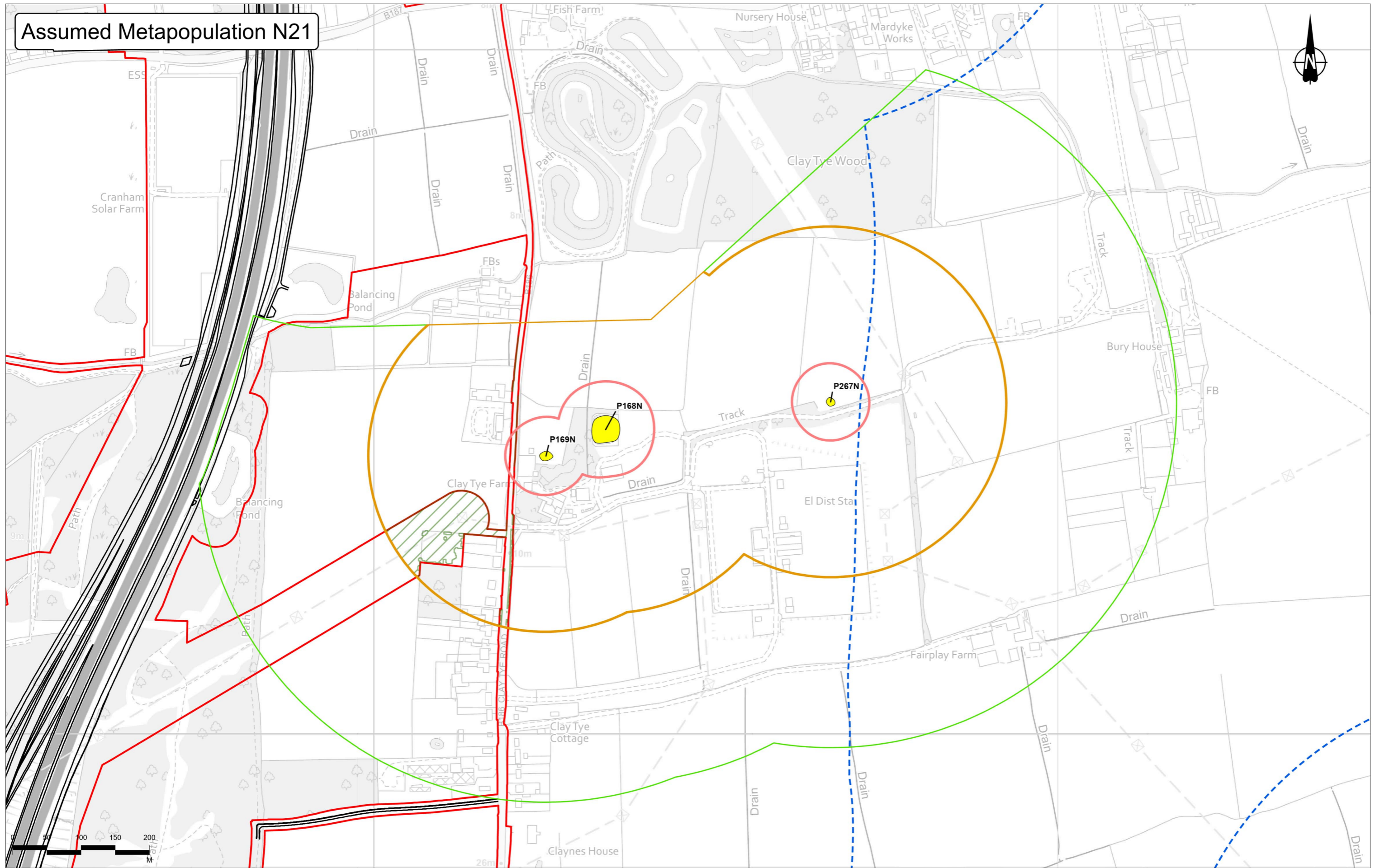


Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:5,000		
Drawing Title	Figure E4a - Capture and Exclusion Assumed Metapopulation N18				
	Page 20 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60036				

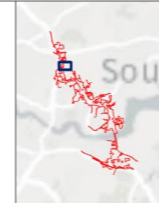
Assumed Metapopulation N21



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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

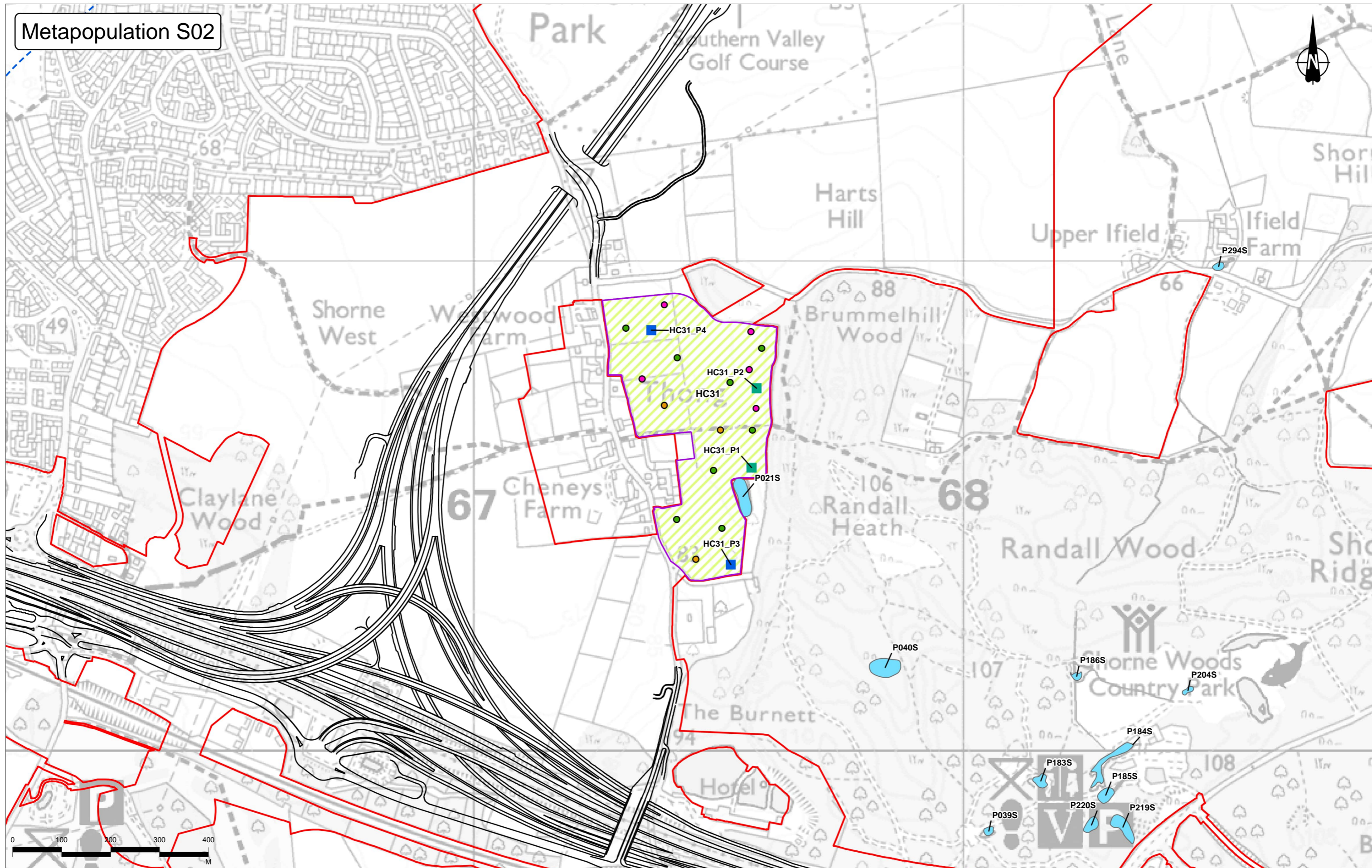
- Legend**
- Order Limits
 - Route Alignment
 - GCN Survey Area
 - Habitat Manipulation
 - Ponds
 - Assumed present - No access
 - Pond buffers
 - 50m pond buffer
 - 250m pond buffer
 - 500m pond buffer



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

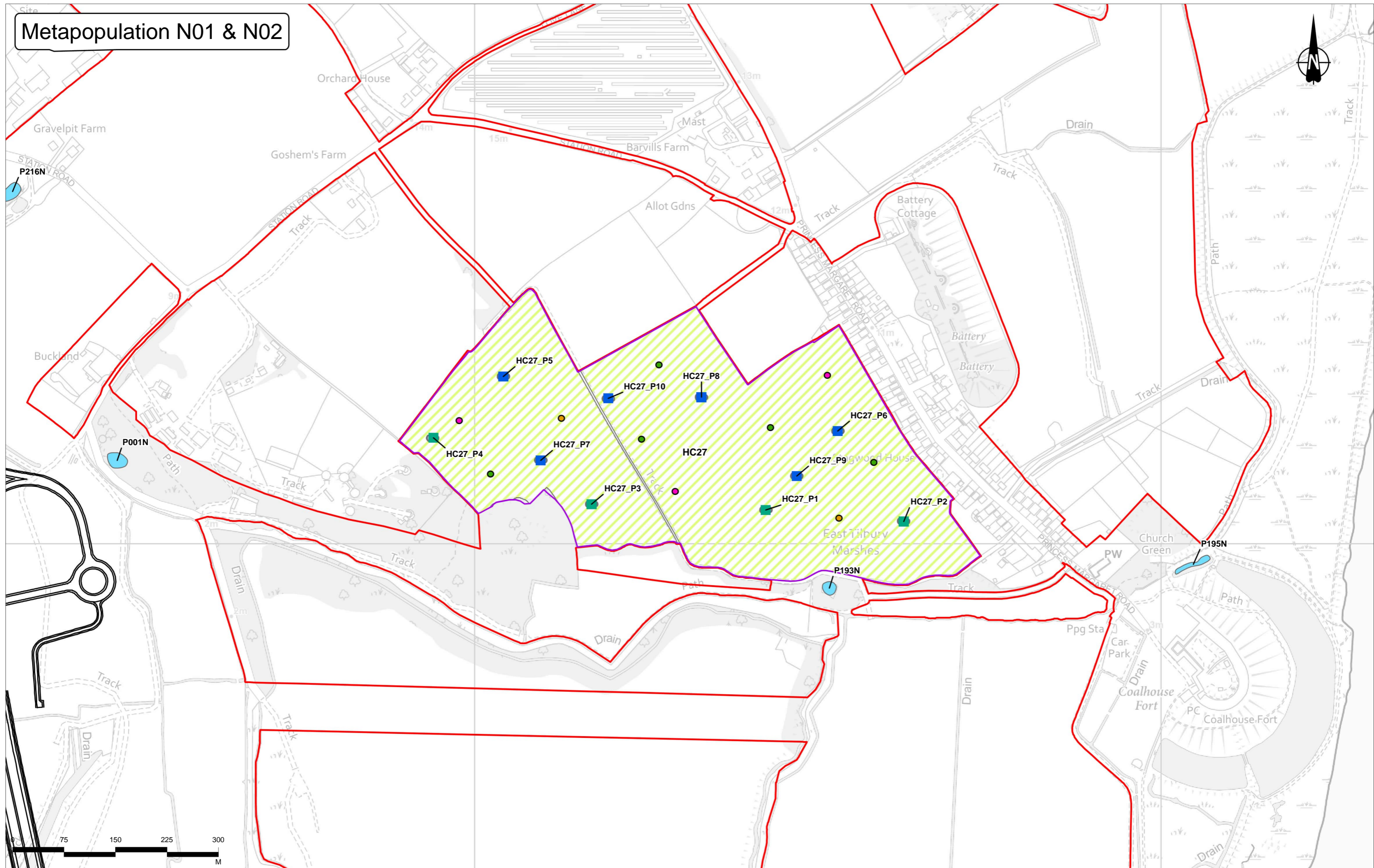
Legend		Landscape Habitat	
	Order Limits		Refugia
	Route Alignment		Large hibernacula
	GCN Survey Area		Small hibernacula
	Ponds		Non GCN Pond
	Mitigation Receptor Areas		LE8.5 Ecology Pond (Indicative Symbol)
	GCN Pond		LE8.1 Open Mosaic Habitat
	Non GCN Pond		LE2.2 Woodland Edge

Client: national highways

Project: LOWER THAMES CROSSING

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



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

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

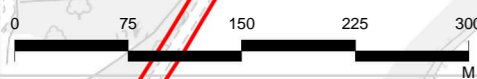


Client
national highways

Project
LOWER THAMES CROSSING

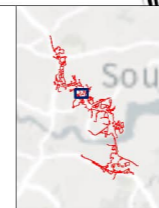
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Drawing Title	Figure E5.1 - Post-Development Management and Maintenance Page 2 of 9				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60031				

Metapopulation N05



Legend

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

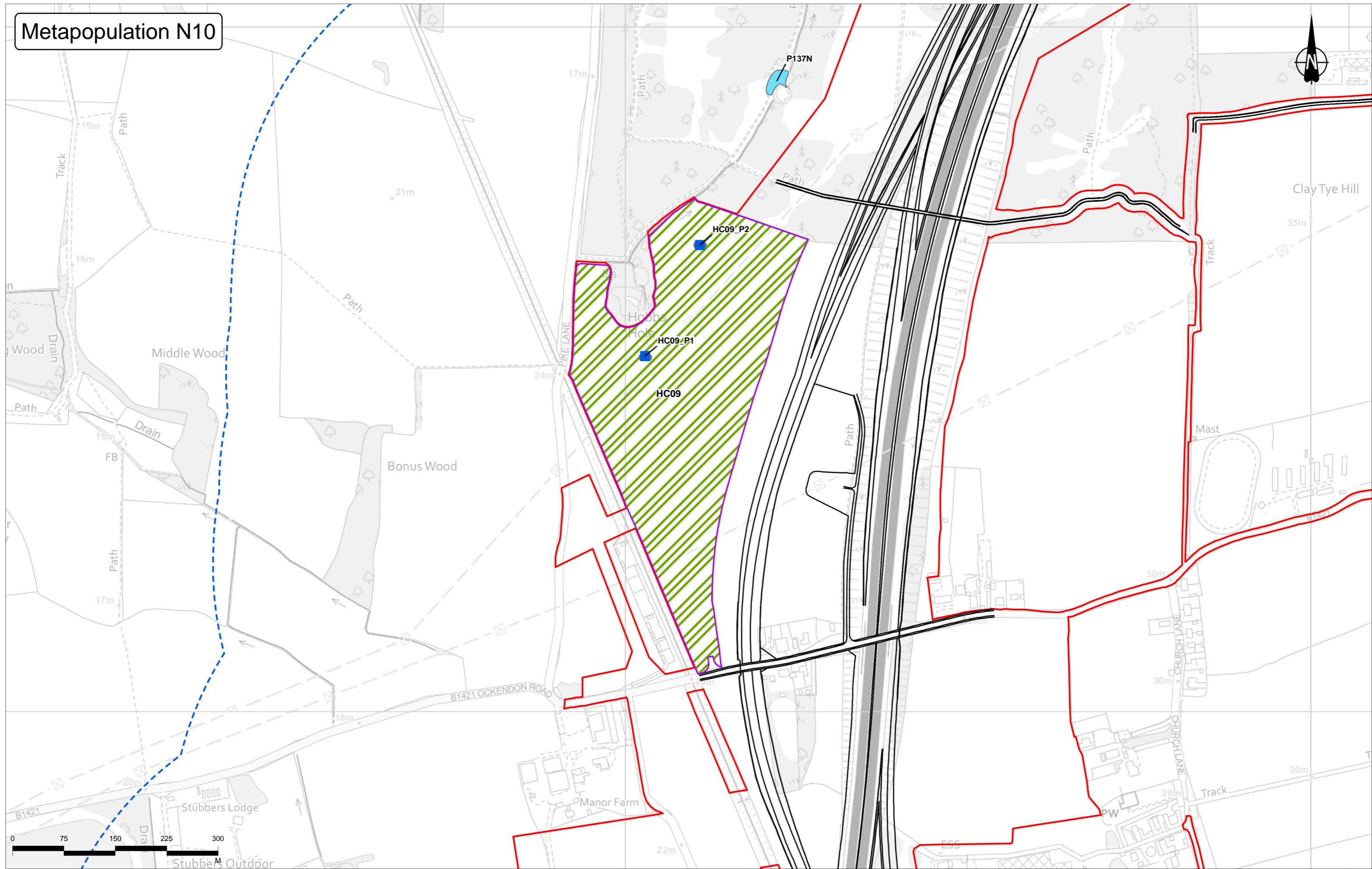


LOWER THAMES CROSSING

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				

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

Metapopulation N10



Legend

- Order Limits
- Route Alignment
- GCN Survey Area
- Ponds
- Mitigation Receptor Areas
- Mitigation**
- Non GCN Pond
- Landscape Habitat**
- LE8.3 Woodland Mitigation Planting
- LE8.5 Ecology Pond (Indicative Symbol)

- LE2.11 Woodland with Non-Native Species
- LE2.2 Woodland Edge
- LE1.3 Species Rich Grassland

	Client	Status	DCO APPLICATION	Original Size	Revision
	Project	Application Document Number	TR010032/APP/6.2	A3	P02
LOWER THAMES CROSSING	Drawing Title	Figure E5.1 - Post-Development Management and Maintenance			
	Drawing Number	Page 4 of 9			
	Scale	1:5,000			
	Purpose of revision	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60031			

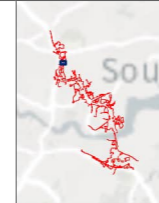
Metapopulation N11/N12



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



Client
 national highways

Project
LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P02
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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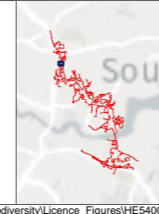
Metapopulation N13



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

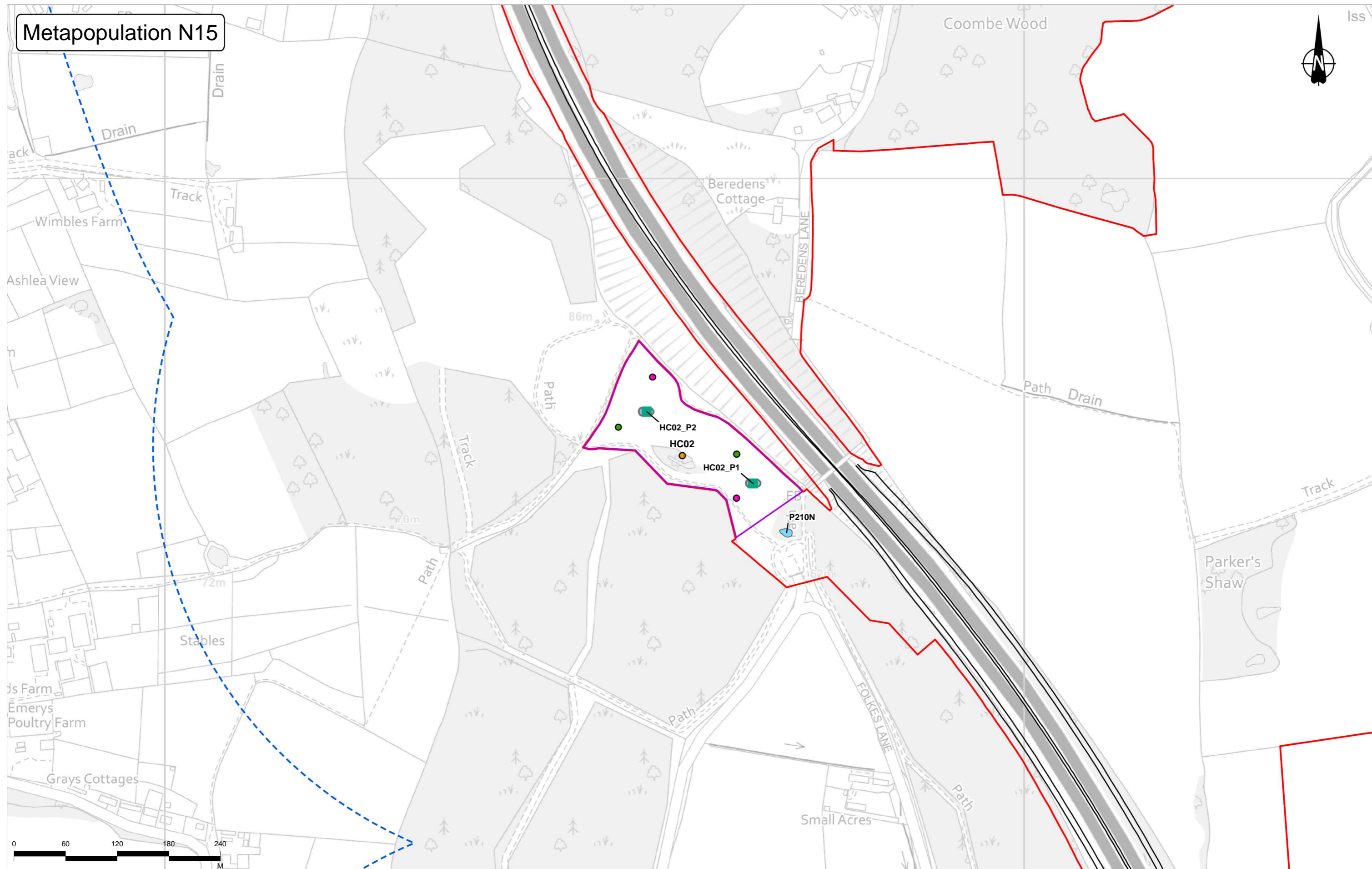


Client
 national highways
 Project
LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:2,000		
Drawing Title	Figure E5.1 - Post-Development Management and Maintenance Page 6 of 9				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60031				

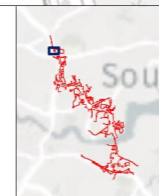
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Metapopulation N15



Legend

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

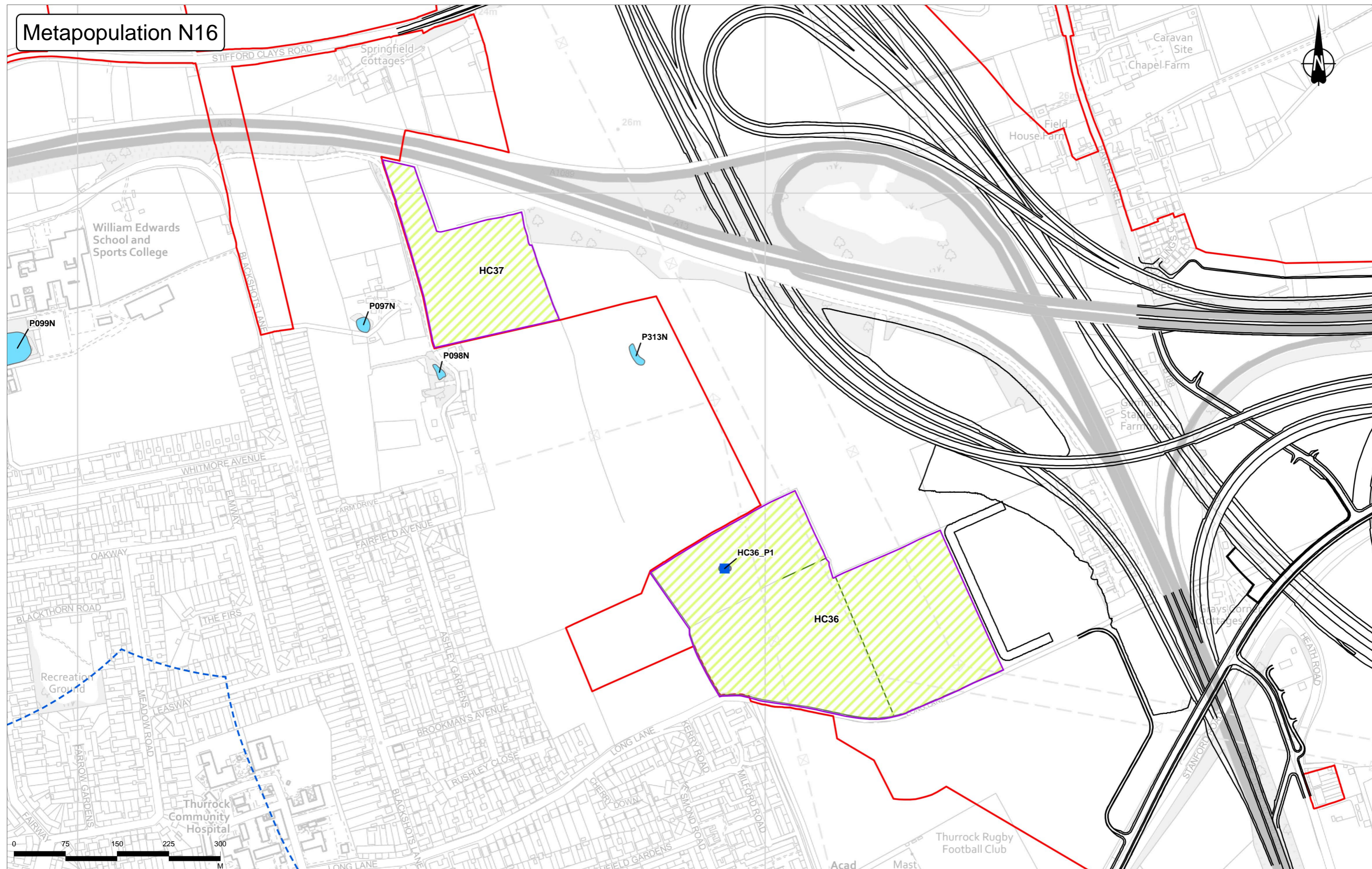


LOWER THAMES CROSSING

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	Apprvd

Metapopulation N16

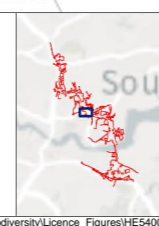


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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprvd
P02	S8	19/10/2022	DCO Application	CD	HT	BF

Legend

Order Limits	Mitigation Receptor Areas	Landscape Habitat
Route Alignment	Mitigation	LE8.5 Ecology Pond (Indicative Symbol)
GCN Survey Area	Non GCN Pond	LE8.1 Open Mosaic Habitat
Ponds		LE4.4 Native Hedgerow with Trees

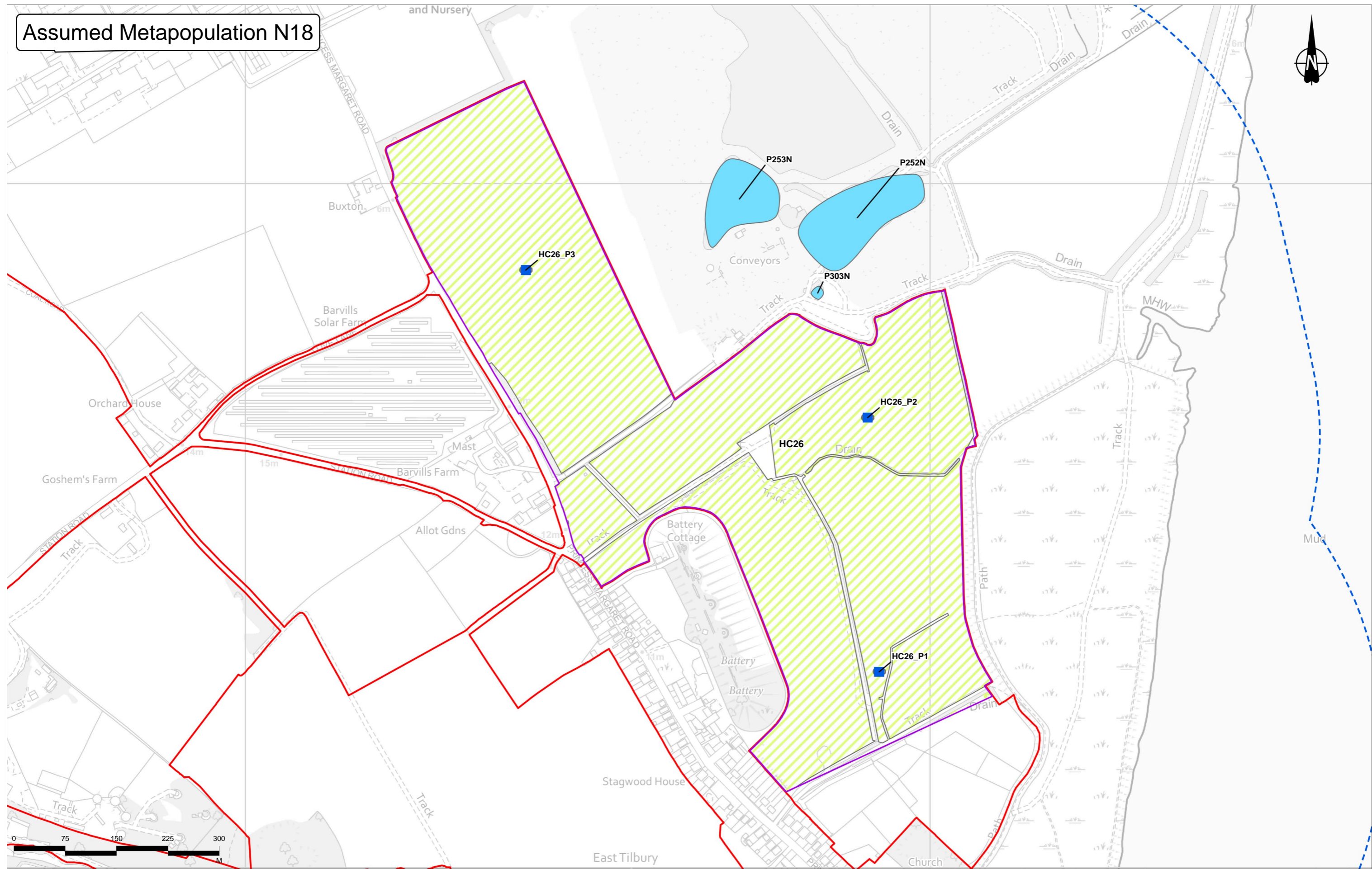


Client: national highways

Project: **LOWER THAMES CROSSING**

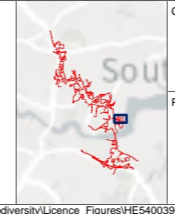
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Drawing Title	Figure E5.1 - Post-Development Management and Maintenance Page 8 of 9				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60031				

Assumed Metapopulation N18



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

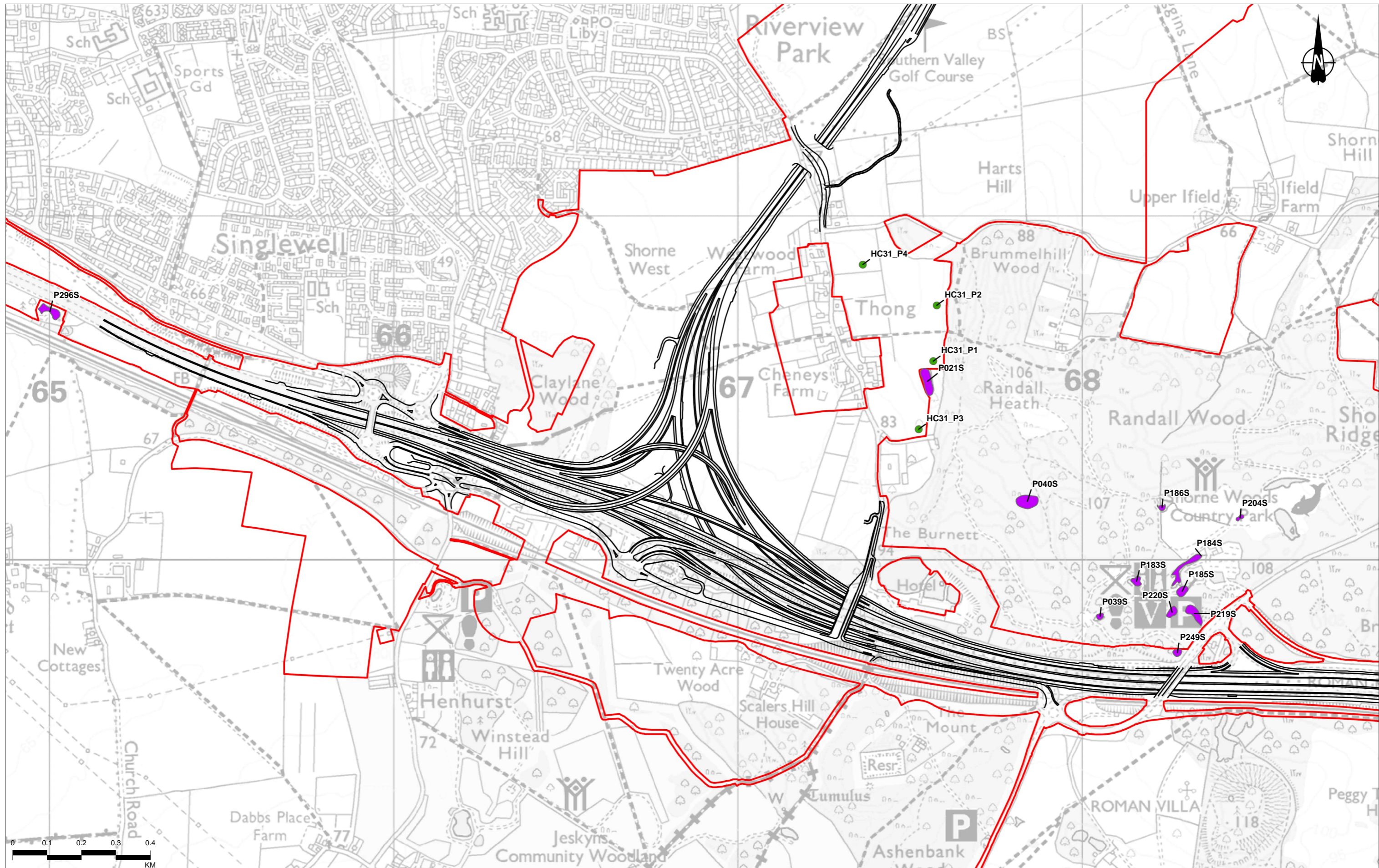
- Legend**
- Order Limits
 - GCN Survey Area
 - Ponds
 - Mitigation Receptor Areas
 - Mitigation**
 - Non GCN Pond
 - Landscape Habitat**
 - LE8.5 Ecology Pond (Indicative Symbol)
 - LE8.6 Translocated Acid Grassland
 - LE8.1 Open Mosaic Habitat



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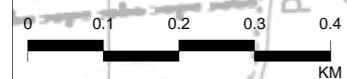
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Drawing Title	Figure E5.1 - Post-Development Management and Maintenance Page 9 of 9				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60031				



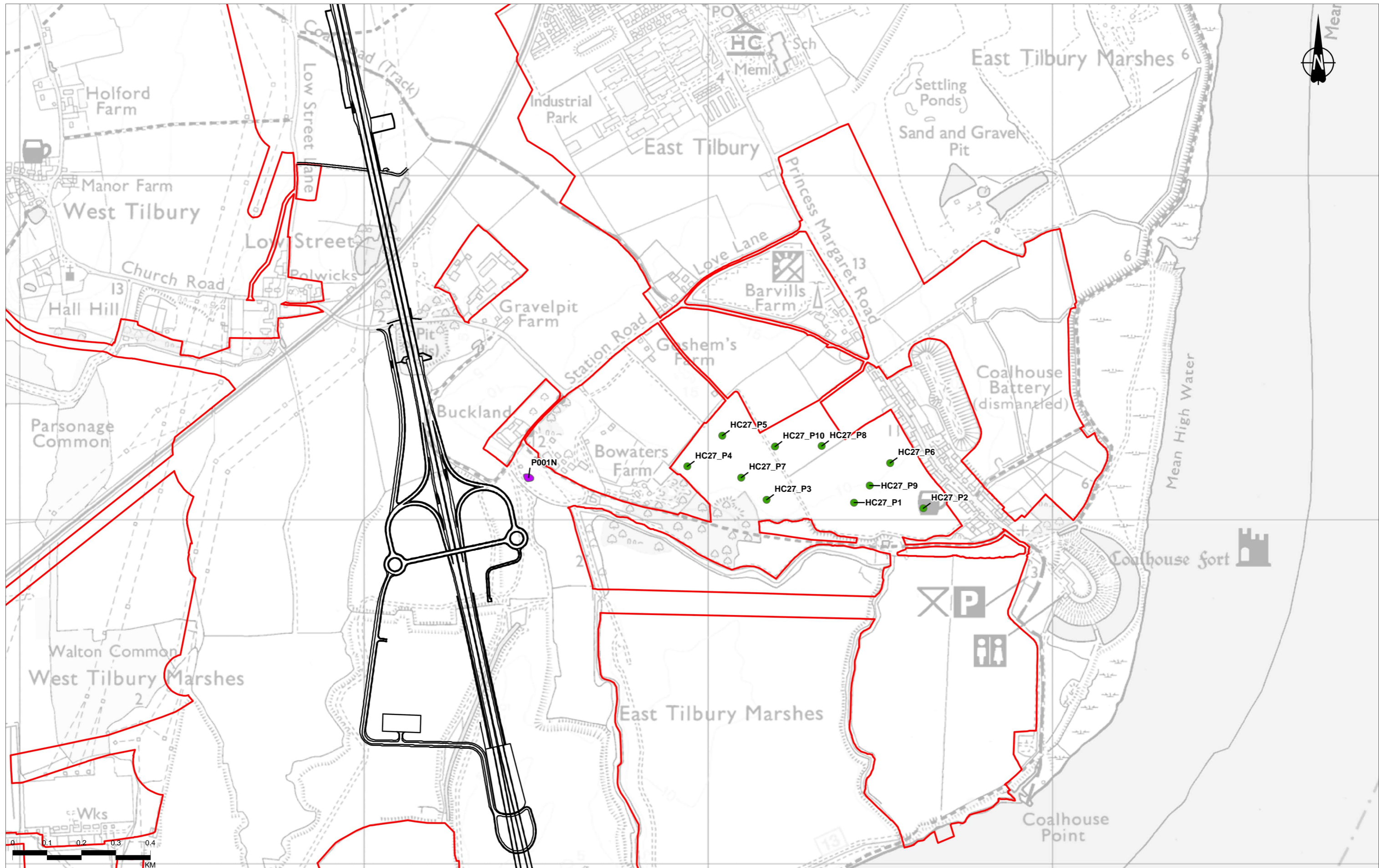
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Appr'd
P02	S8	19/10/2022	DCO Application	CD	HT	BF

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




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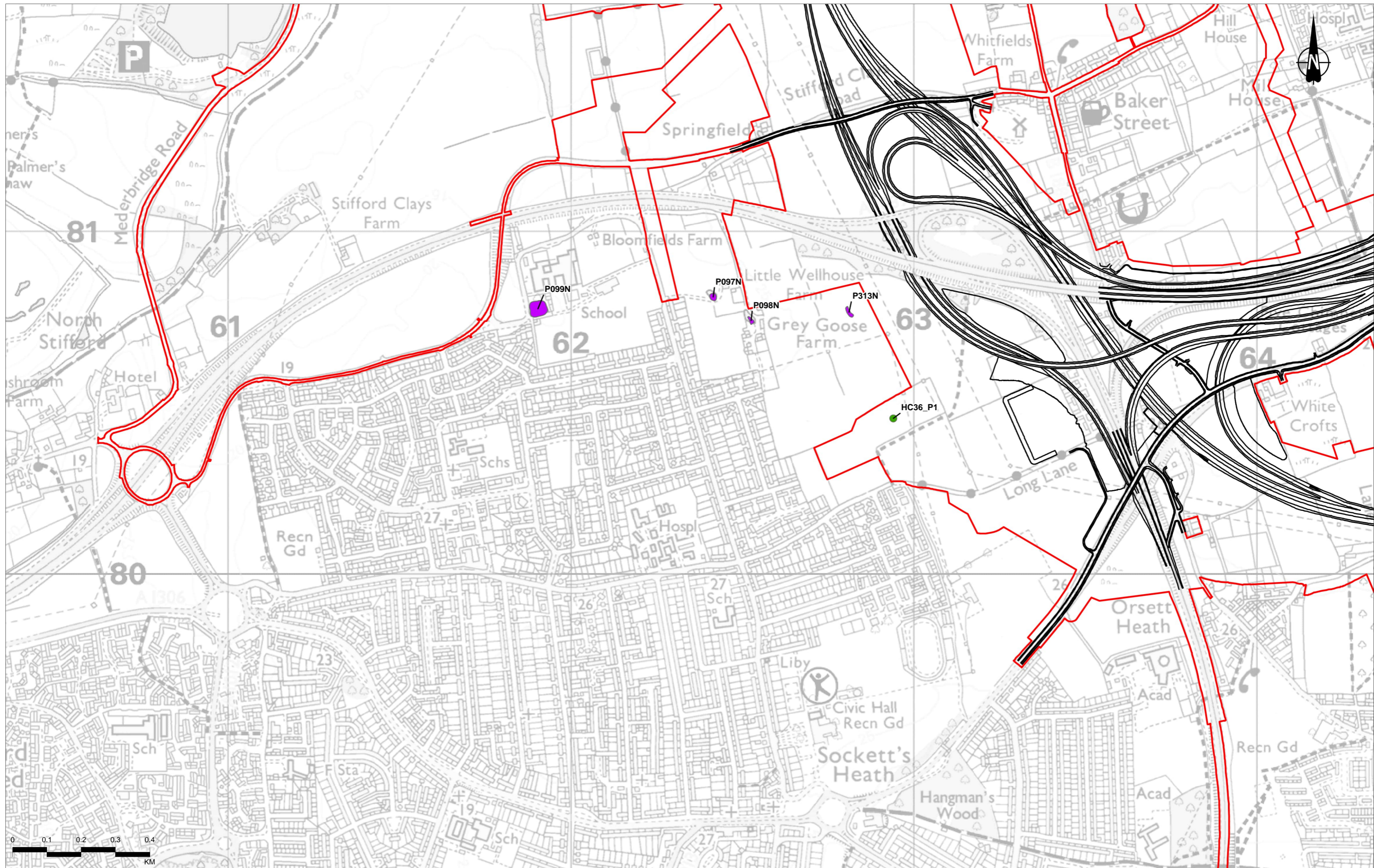


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- Legend**
- Order Limits
 - Route Alignment
 - Ponds outside of land ownership to be monitored
 - Pond within land ownership to be monitored

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

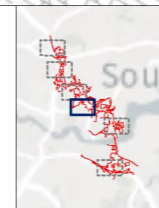
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Drawing Title		Figure E5.2 Post-Development Monitoring Page 2 of 6				
Drawing Number		HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60037				




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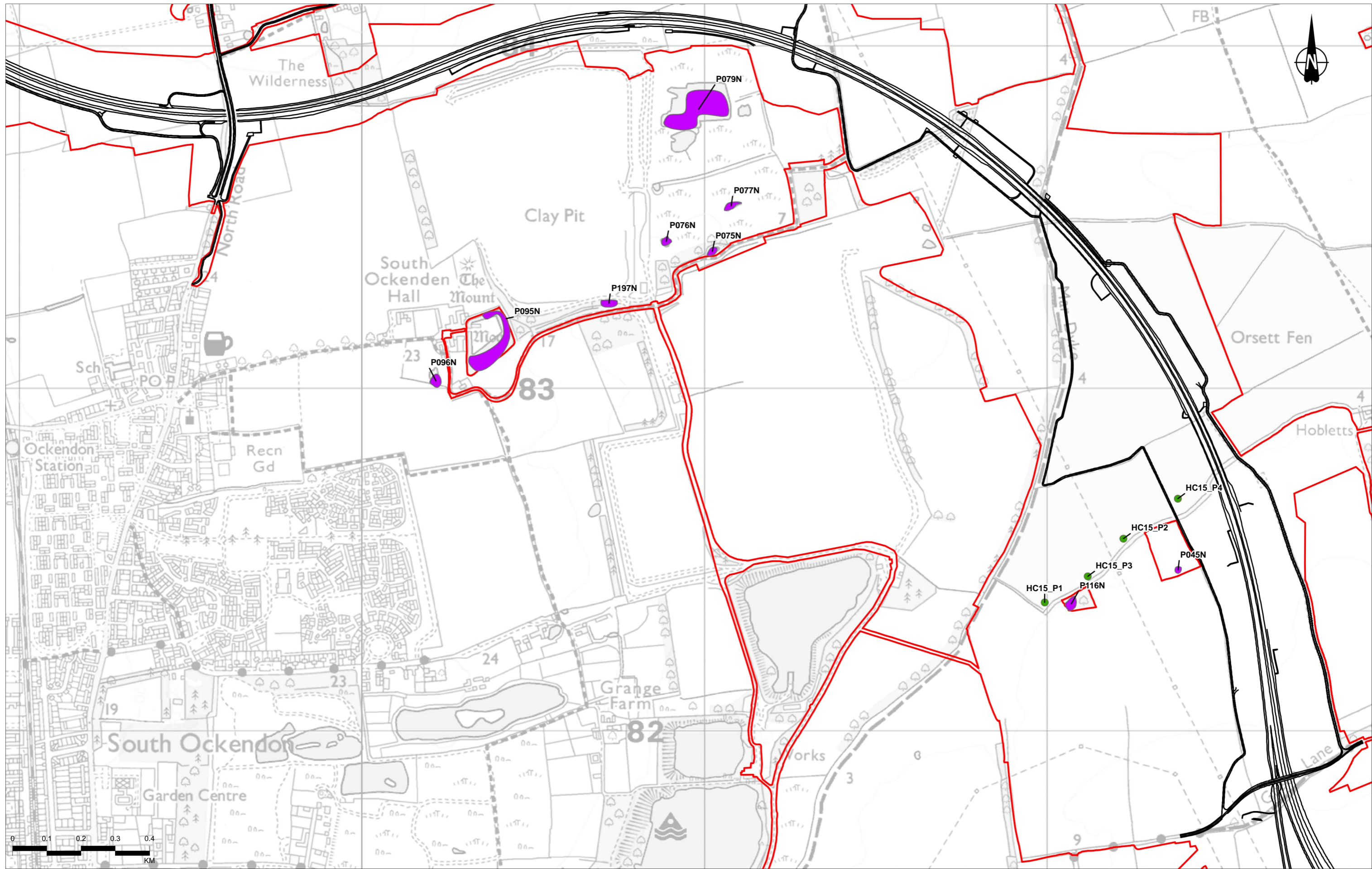
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprvd
P02	S8	19/10/2022	DCO Application	CD	HT	BF

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



Client

 Project
LOWER THAMES CROSSING

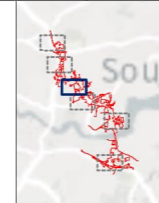
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Drawing Title	Figure E5.2 Post-Development Monitoring Page 3 of 6				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60037				



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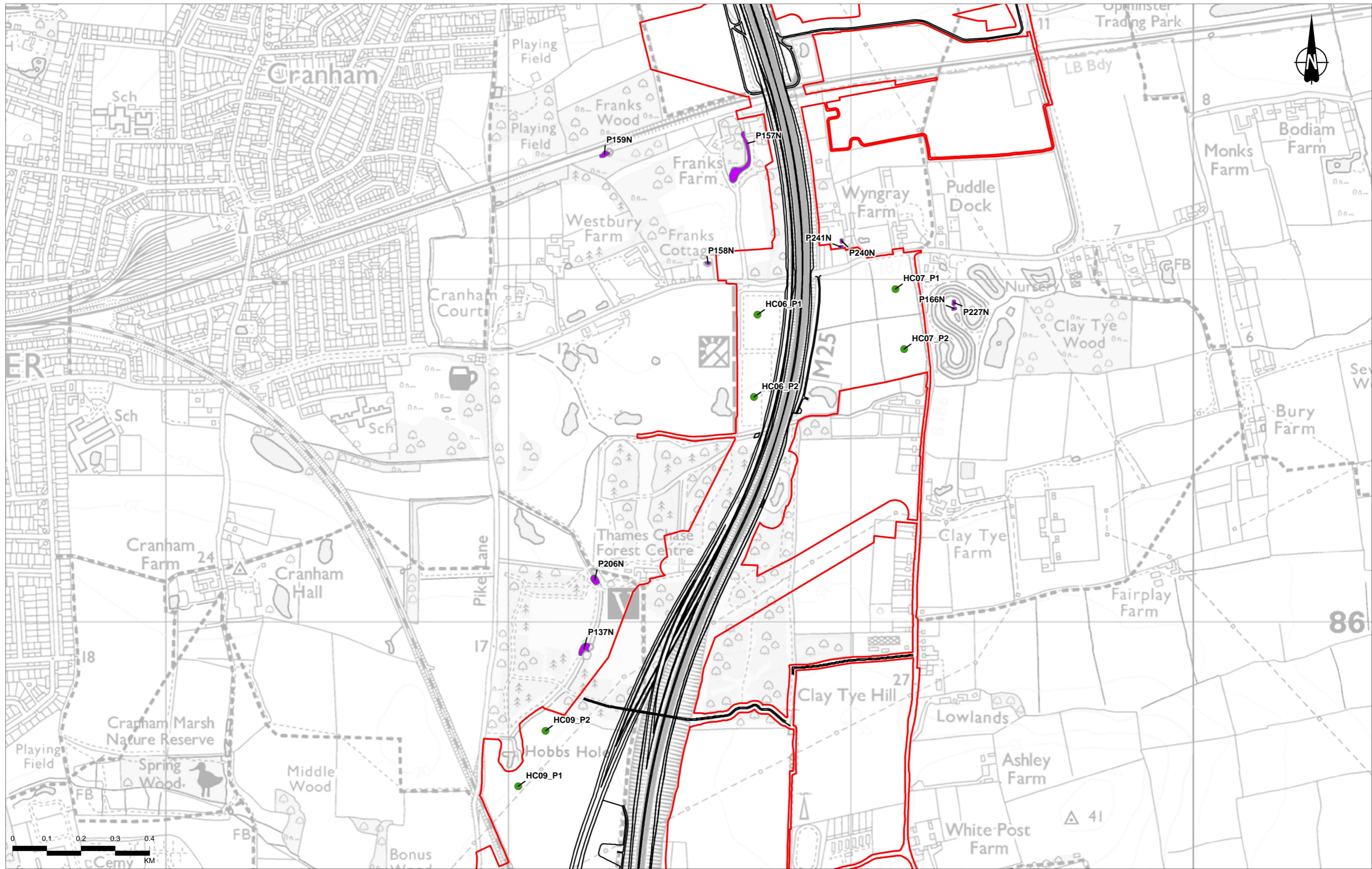
- Legend**
- Order Limits
 - Route Alignment
 - Ponds outside of land ownership to be monitored
 - Pond within land ownership to be monitored



Client

 Project
LOWER THAMES CROSSING

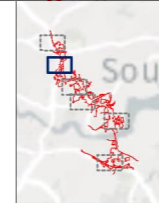
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Drawing Title	Figure E5.2 Post-Development Monitoring Page 4 of 6				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60037				



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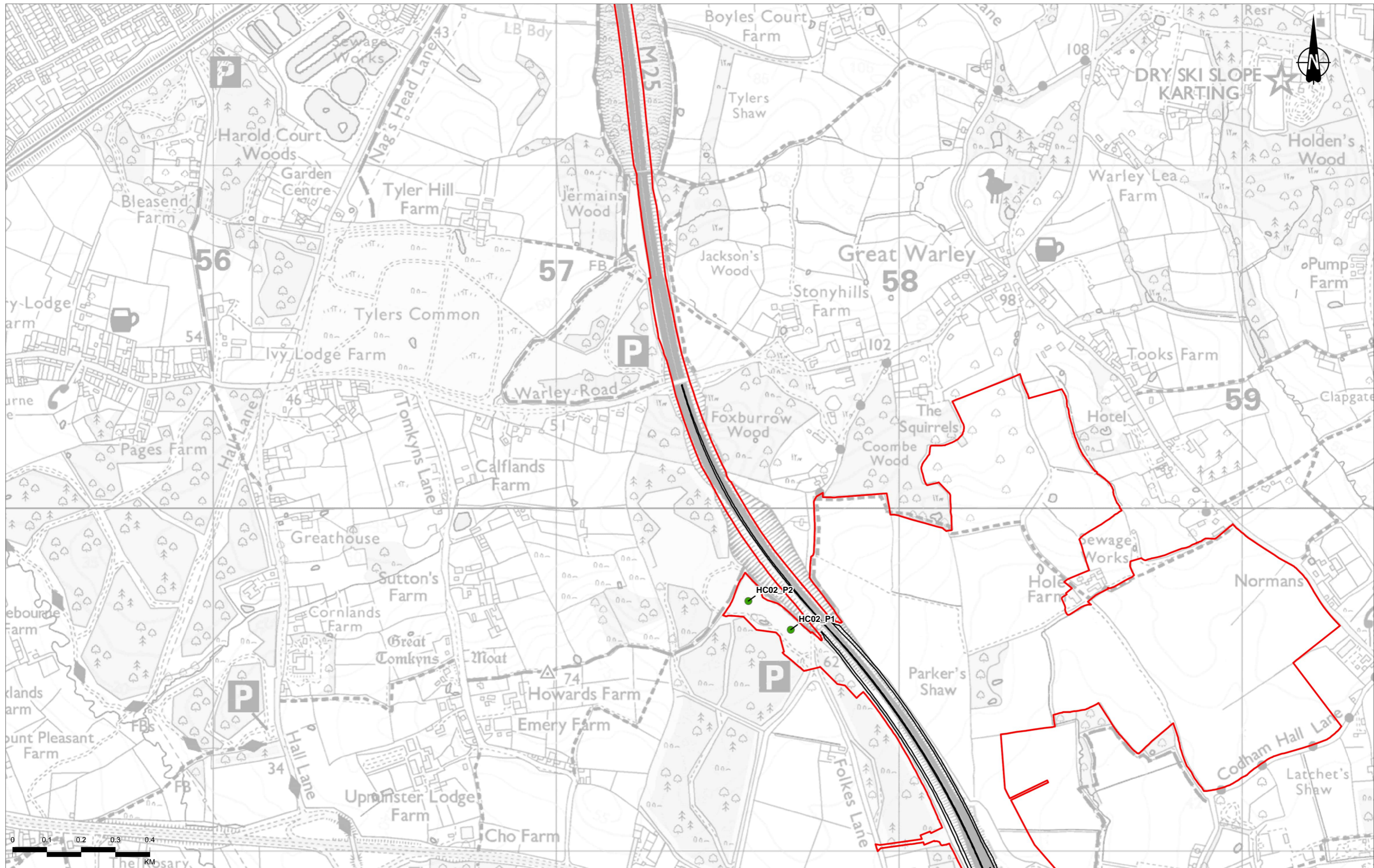
- Legend**
- Order Limits
 - Route Alignment
 - Ponds outside of land ownership to be monitored
 - Pond within land ownership to be monitored



Client

 Project
LOWER THAMES CROSSING

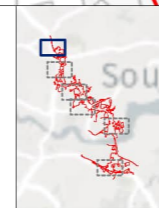
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Drawing Title	Figure E5.2 Post-Development Monitoring Page 5 of 6				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60037				



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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

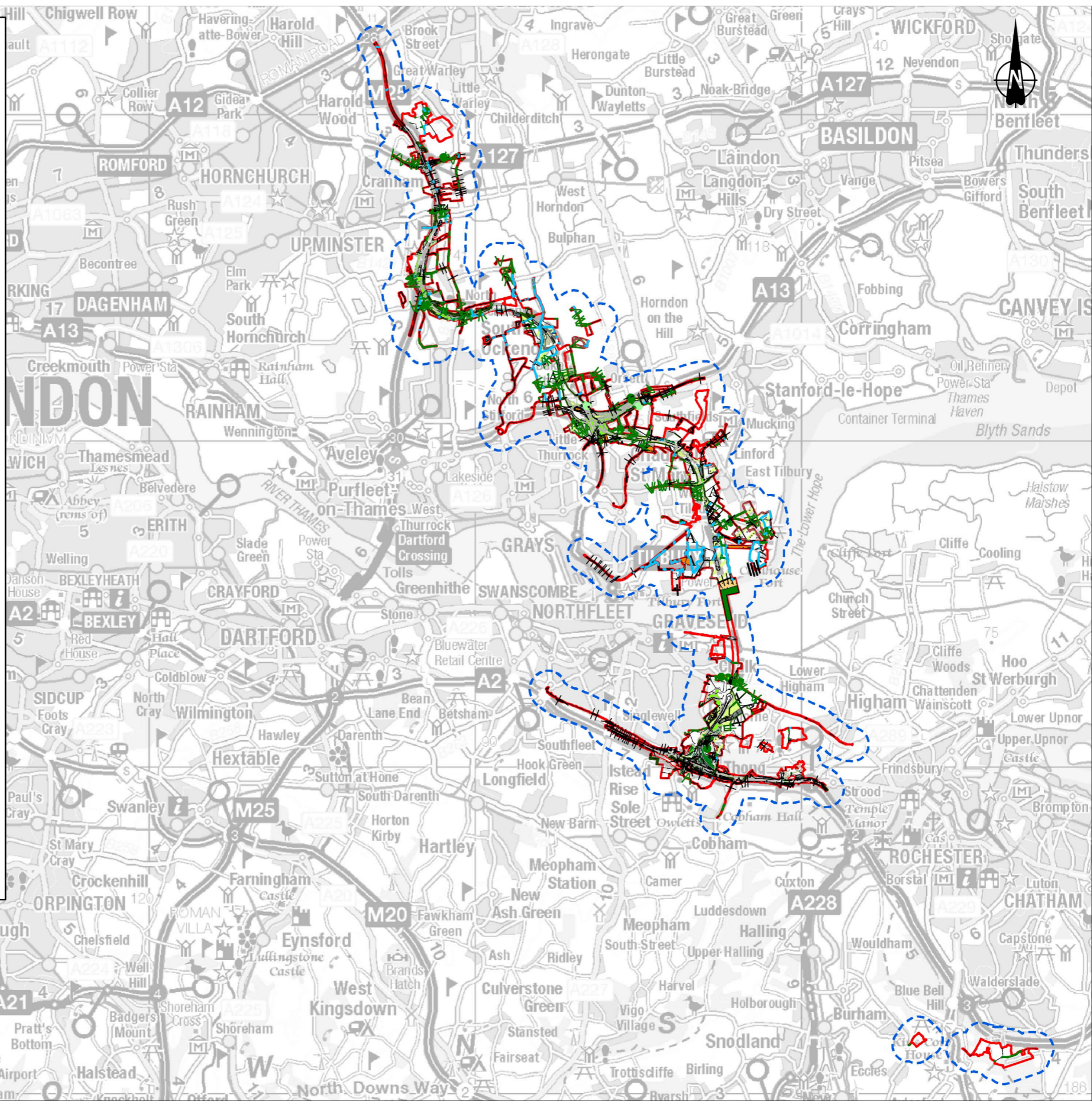


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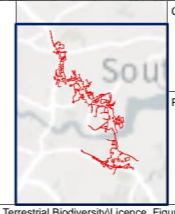
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Application Document Number	TR010032/APP/6.2	Scale	1:10,000		
Drawing Title	Figure E5.2 Post-Development Monitoring Page 6 of 6				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60037				

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

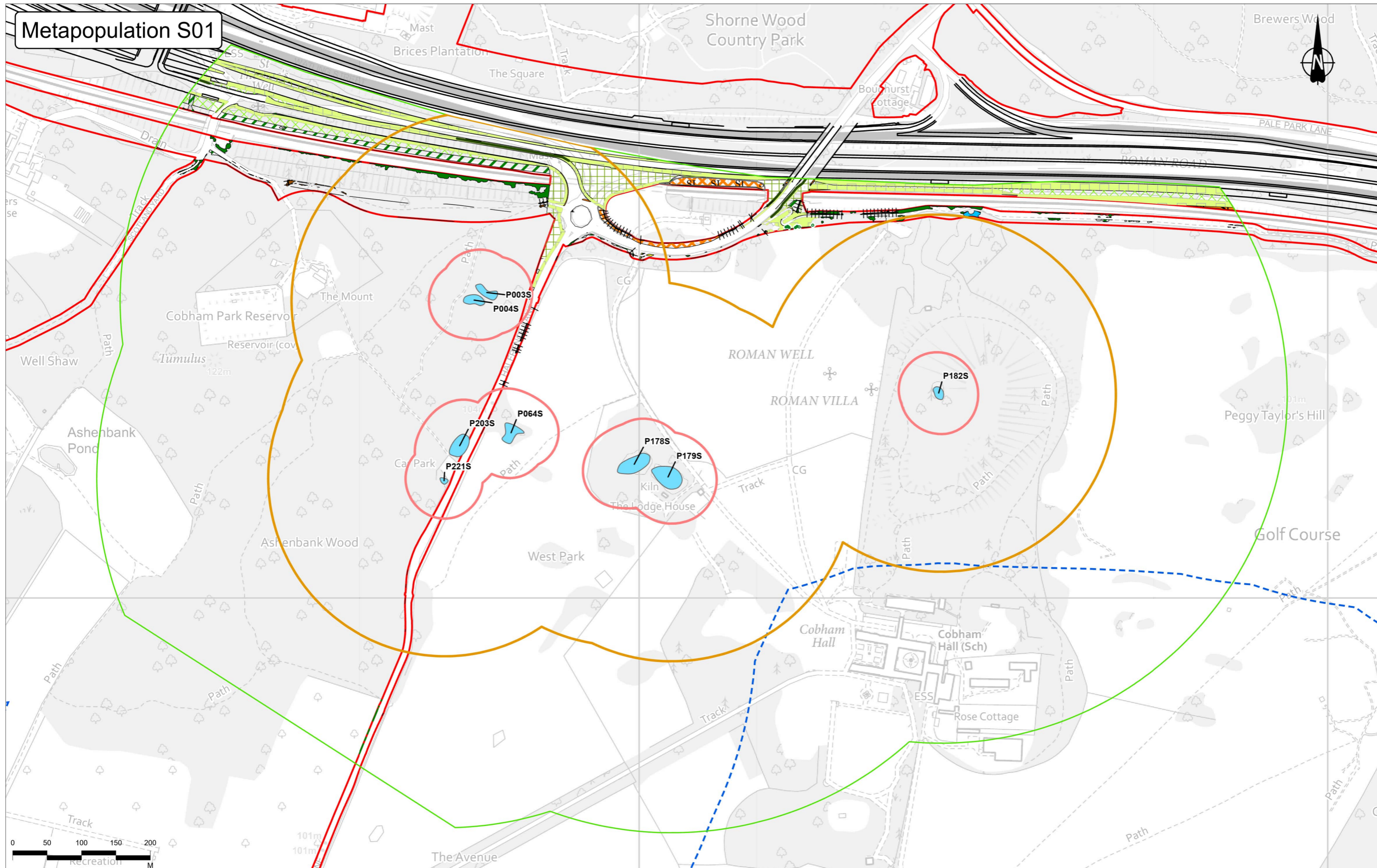


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Project
LOWER THAMES CROSSING

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_EGNE00000000-DR-LE-60038				

Metapopulation S01



- Legend**
- ▬ Order Limits
 - ▬ Route Alignment
 - ▬ 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	Chkd	Apprv'd

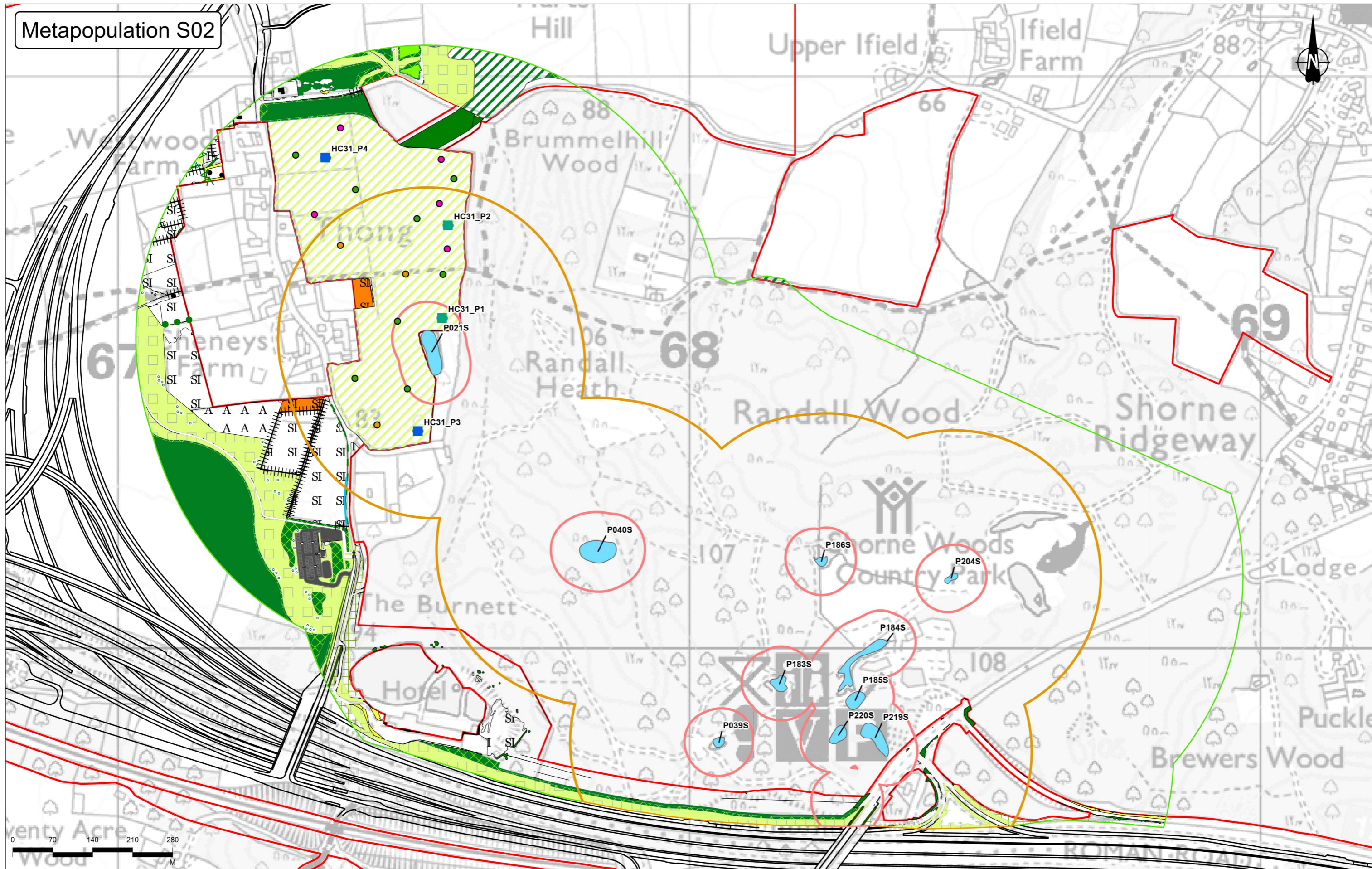
Client: **national highways**

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 F1 - Final Development Metapopulation S01				
	Page 1 of 25				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60032				

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Metapopulation S02



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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

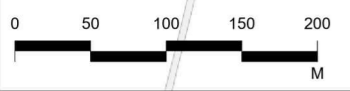
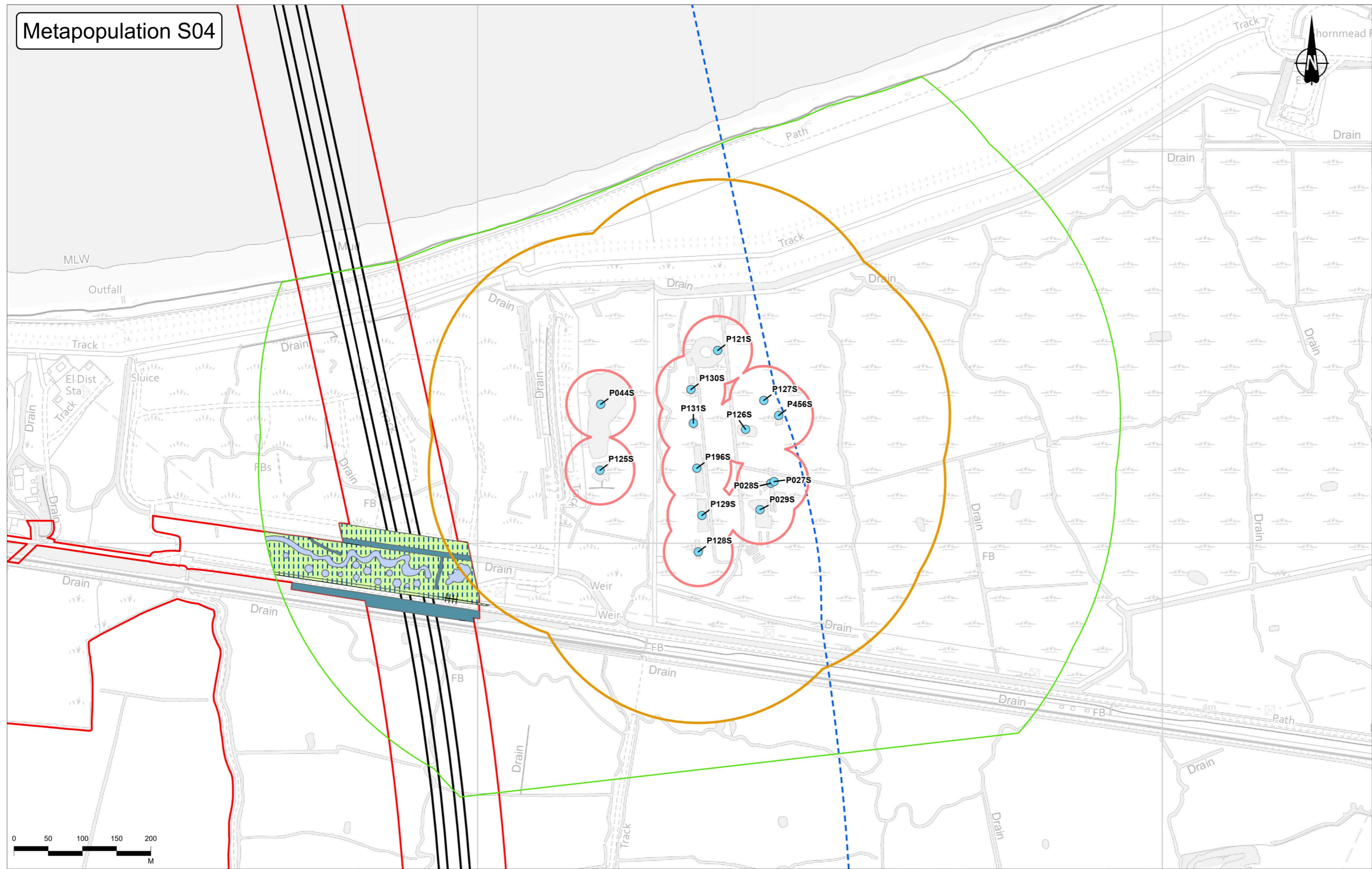
Legend	
	Order Limits
	Route Alignment
	GCN Survey Area
	Ponds
	50m pond buffer
	250m pond buffer
	500m pond buffer
	GCN Pond
	Non GCN Pond
	Large hibernacula
	Refugia
	Small hibernacula

Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:6,000		
Drawing Title	Figure F1 - Final Development Metapopulation S02				
	Page 2 of 25				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60038				

Metapopulation S04



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

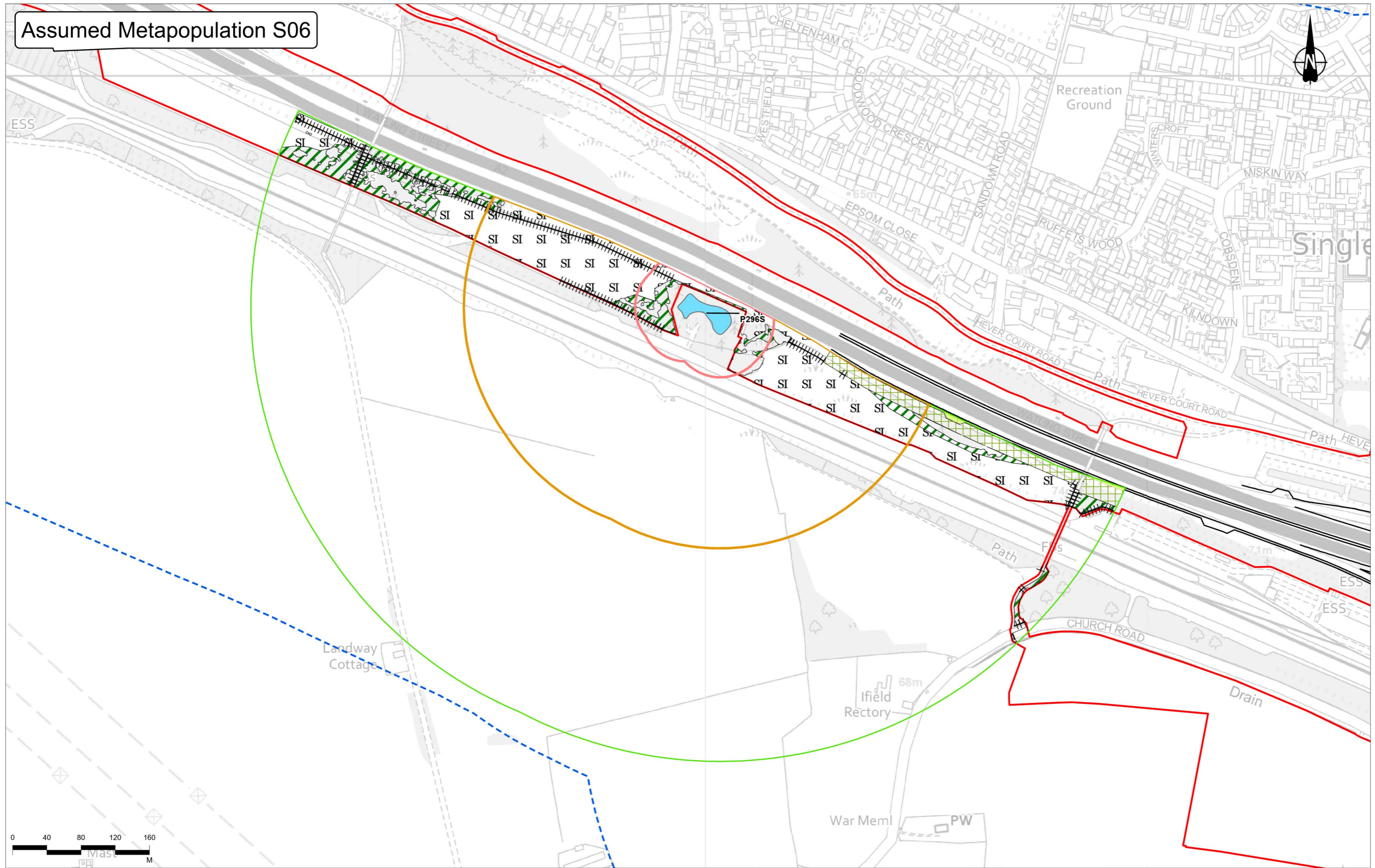
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

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 F1 - Final Development Metapopulation S04				
	Page 3 of 25				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60032				

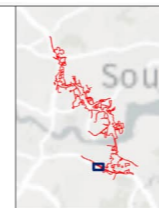
Assumed Metapopulation S06



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

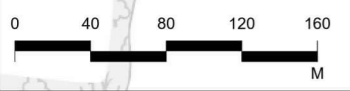
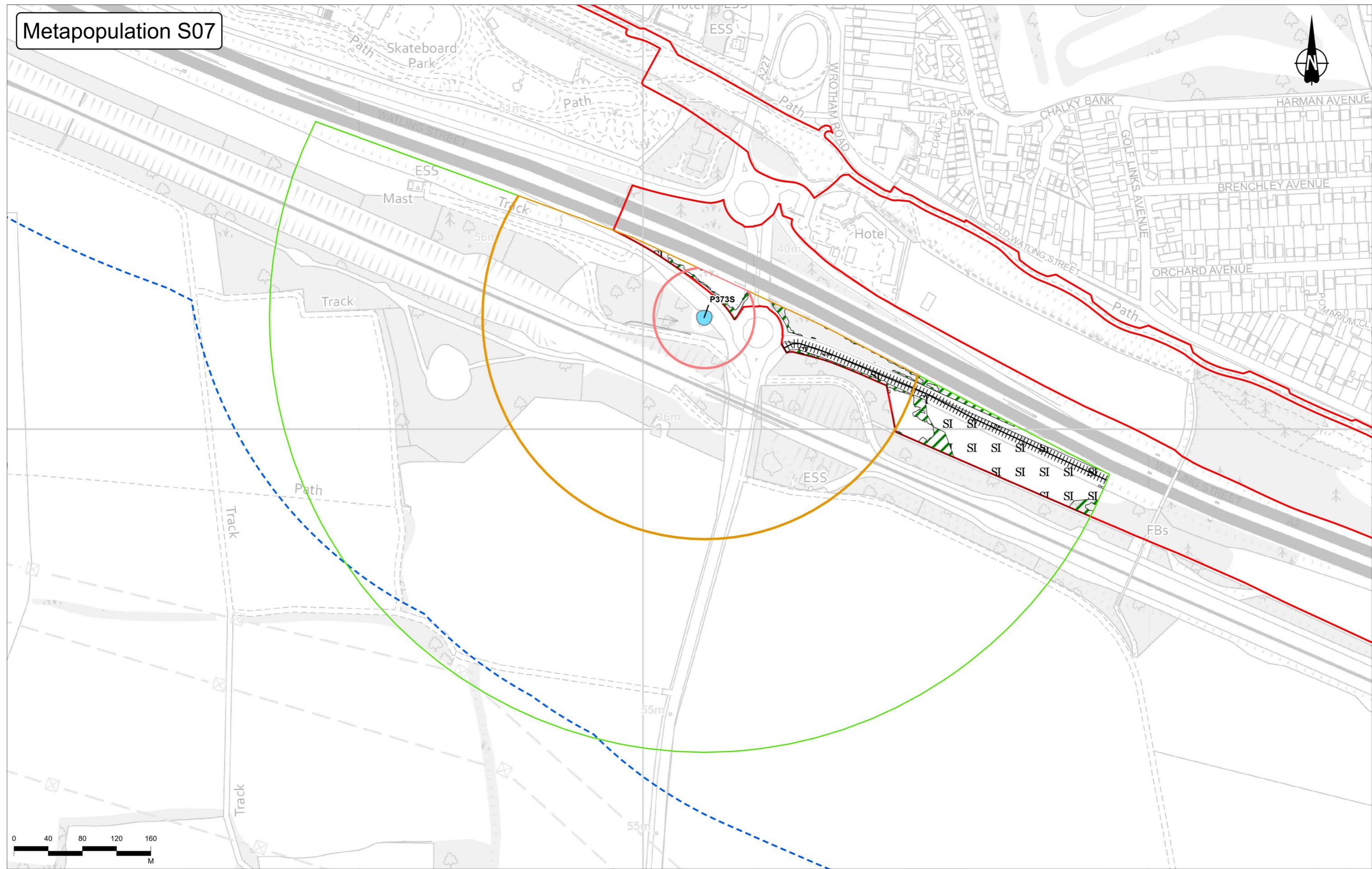
P02	S8	27/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd



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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 S06				
	Page 4 of 25				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60032				

Metapopulation S07

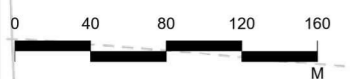
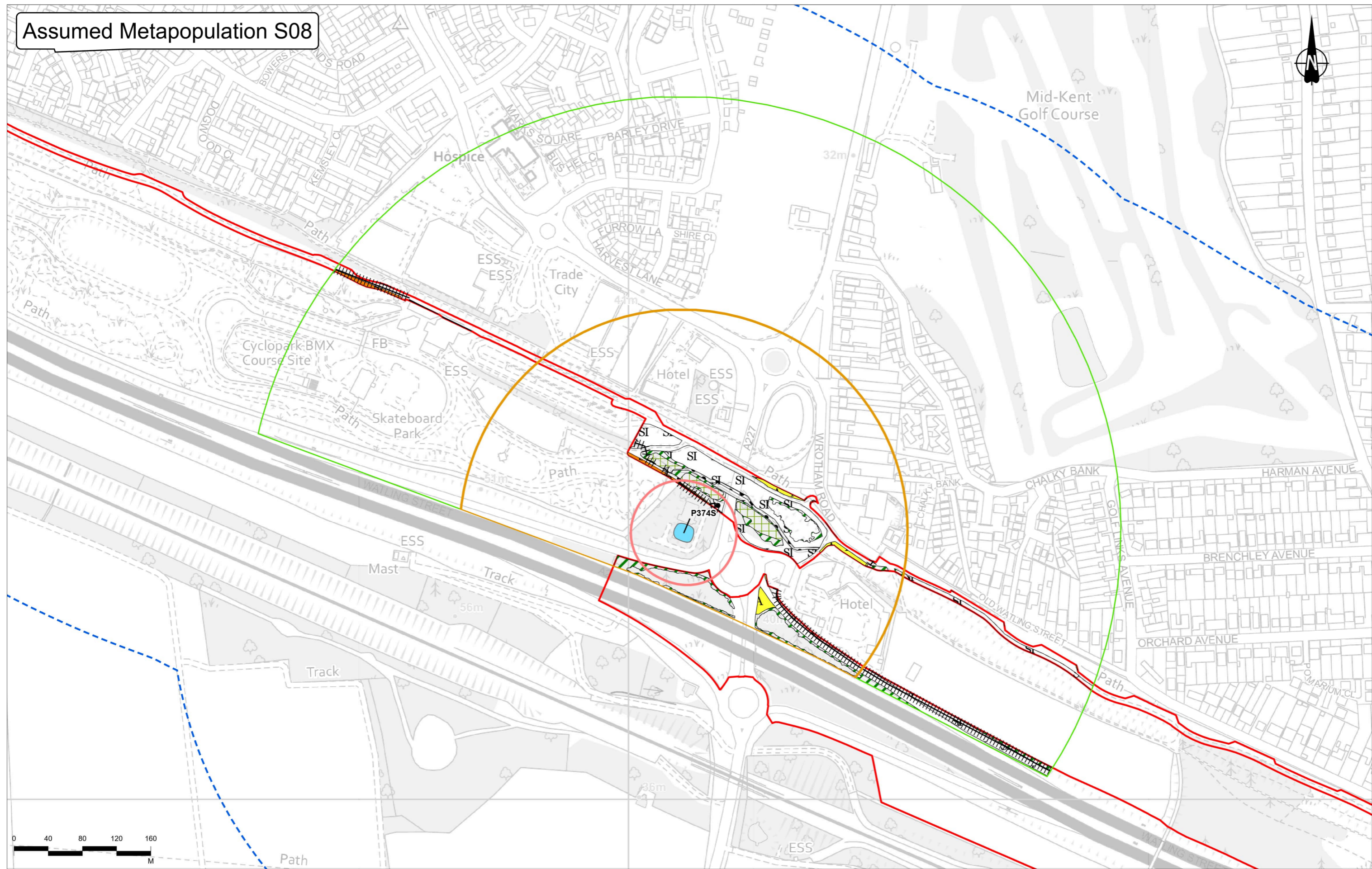


- Legend**
- Order Limits
 - - - GCN Survey Area
 - Ponds
 - Pond buffers**
 - 50m pond buffer
 - 250m pond buffer
 - 500m pond buffer

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

<p>LOWER THAMES CROSSING</p>	Status	DCO APPLICATION	Original Size	A3	Revision	P02
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Drawing Number		HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60032				

Assumed Metapopulation S08



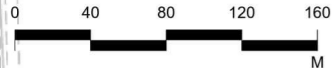
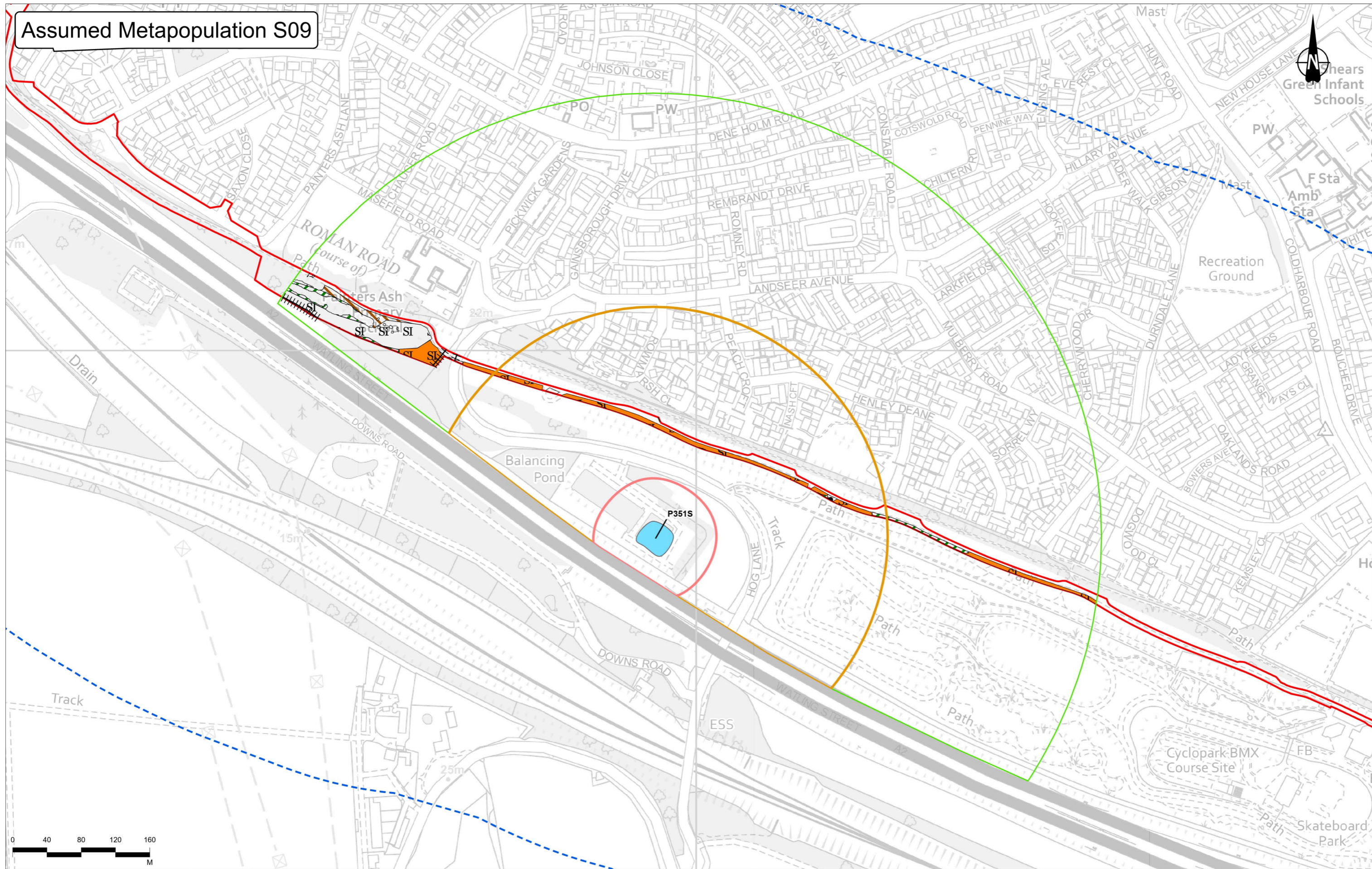
- Legend**
- Order Limits
 - GCN Survey Area
 - Ponds
 - Pond buffers
 - 50m pond buffer
 - 500m pond buffer

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

	Client	DCO APPLICATION	Original Size A3	Revision P02
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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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Assumed Metapopulation S09



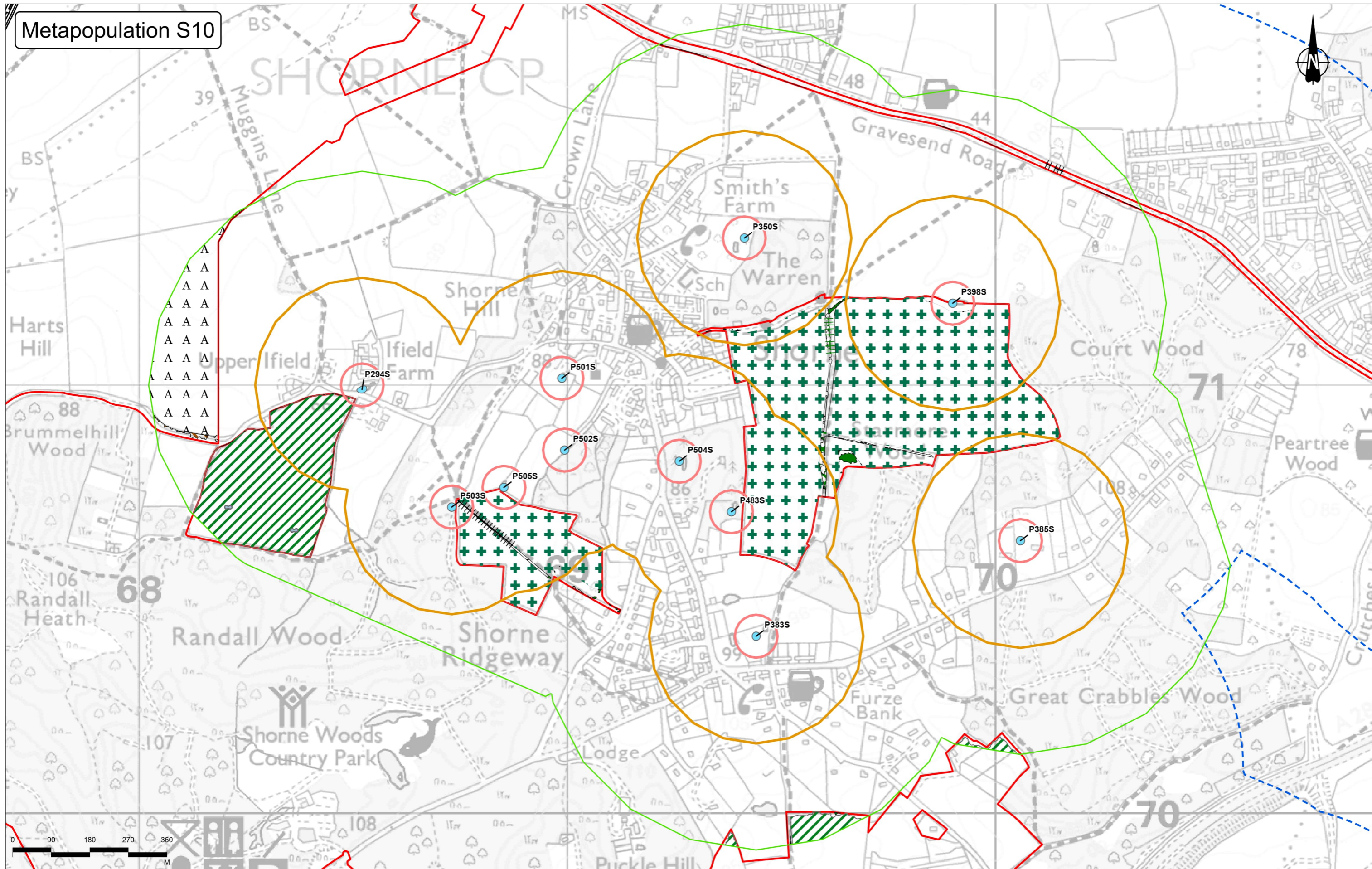
- Legend**
- Order Limits
 - GCN Survey Area
 - Ponds
 - 500m pond buffer
 - 50m pond buffer
 - 250m pond buffer

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

	Client	DCO APPLICATION	Original Size	A3	Revision	P02
	Project	LOWER THAMES CROSSING	Application Document Number	TR010032/APP/6.2	Scale	1:4,000
Drawing Title		Figure F1 - Final Development Assumed Metapopulation S09				Page 7 of 25
Drawing Number		HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60032				

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Metapopulation S10

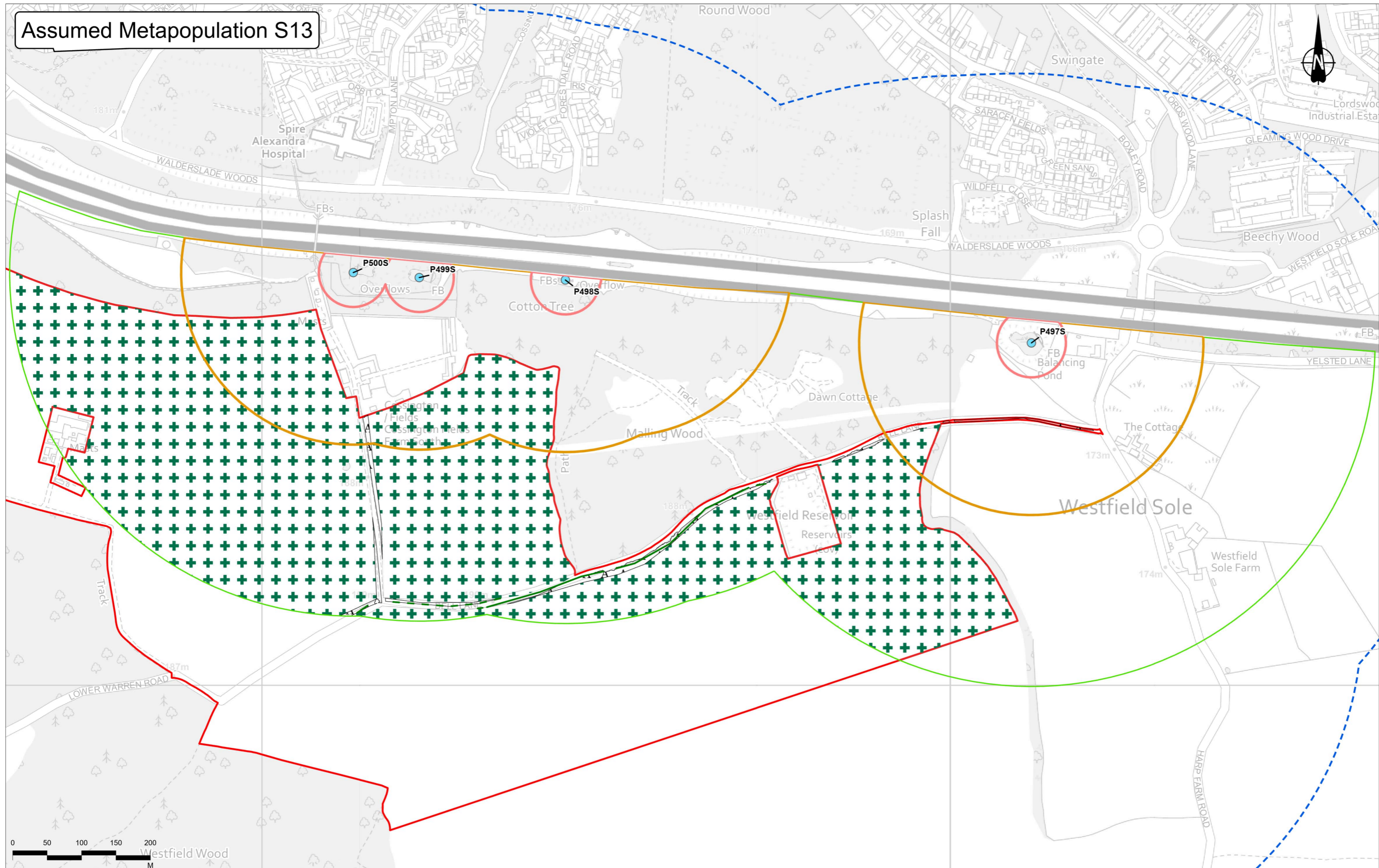


- Legend**
- Order Limits
 - Route Alignment
 - - - GCN Survey Area
 - Ponds
 - Ponds
 - 500m pond buffer
 - Pond buffers
 - 50m pond buffer
 - 250m pond buffer

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

	Client	Status	DCO APPLICATION	Original Size	A3	Revision	P02
	Project	Application Document Number	TR010032/APP/6.2	Scale	1:8,000	Drawing Title	
LOWER THAMES CROSSING		Figure F1 - Final Development Metapopulation S10					
		Page 8 of 25					
Drawing Number: HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60038							

Assumed Metapopulation S13



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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

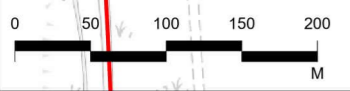
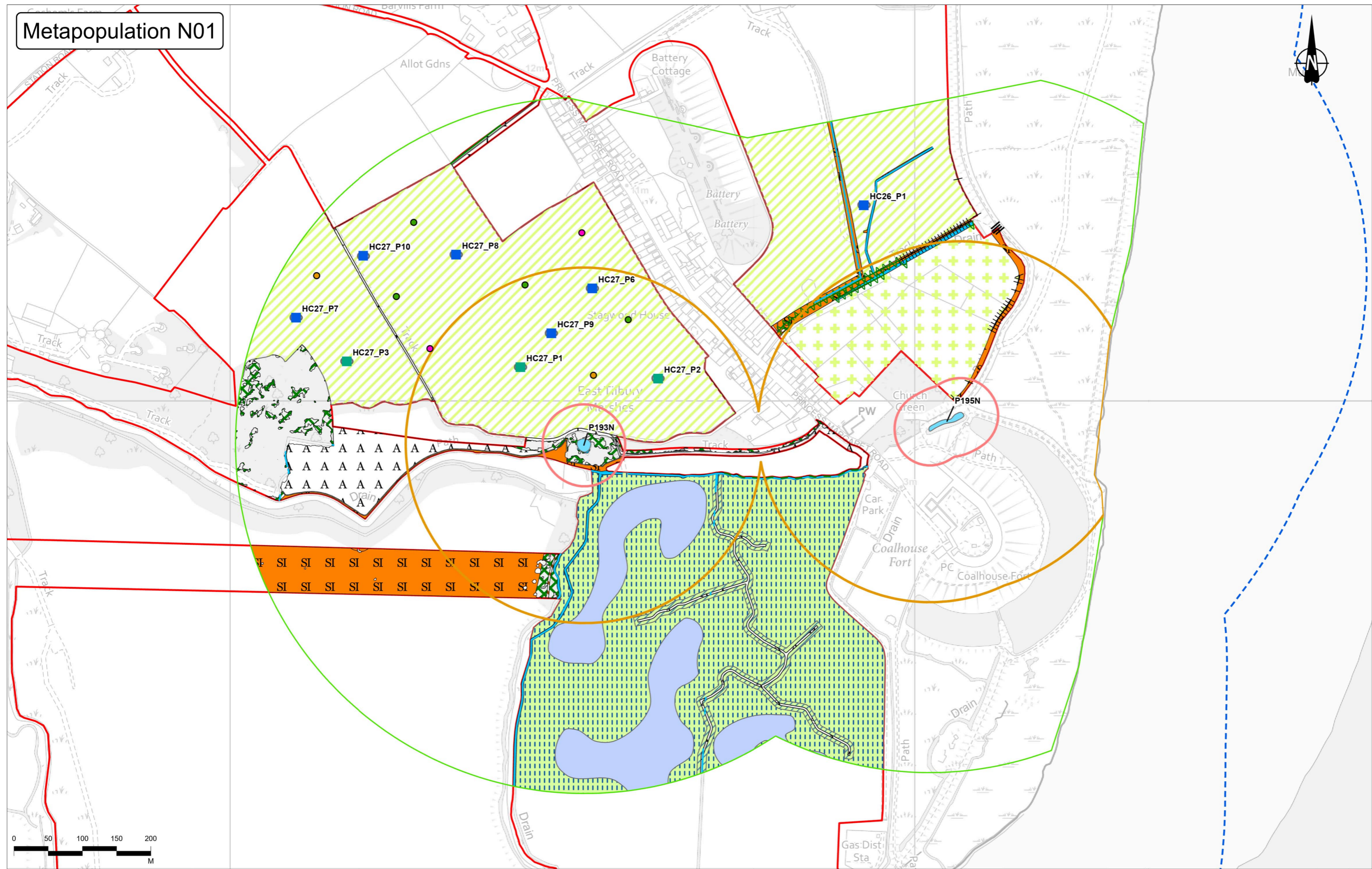
Legend	
	Order Limits
	GCN Survey Area
	Ponds
	50m pond buffer
	250m pond buffer
	500m pond buffer

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 F1 - Final Development Assumed Metapopulation S13				
	Page 9 of 25				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60032				

Metapopulation N01



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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

Legend		Pond buffers		Mitigation		Refugia	
	Order Limits		50m pond buffer		GCN Pond		Refugia
	GCN Survey Area		250m pond buffer		Non GCN Pond		Small hibernacula
	Ponds		500m pond buffer		Large hibernacula		

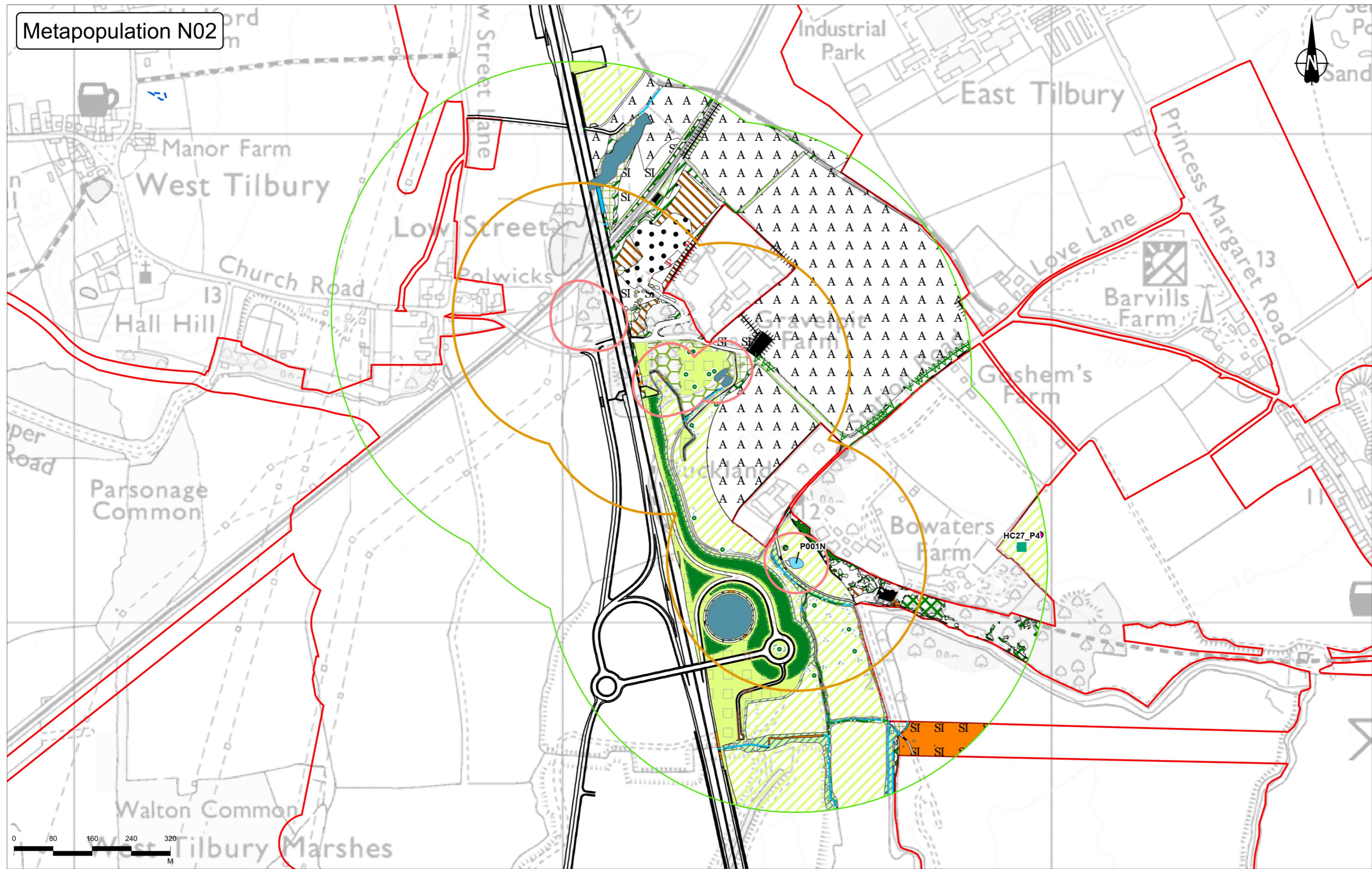
Client: national highways

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 F1 - Final Development Metapopulation N01				
	Page 10 of 25				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60032				

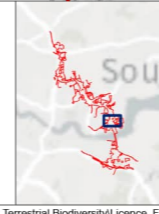
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Metapopulation N02



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

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



Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:7,000		
Drawing Title	Figure F1 - Final Development Metapopulation N02				
	Page 11 of 25				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60032				

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Registered office Bridge House, 1 Walnut Tree Close, Guildford GU1 4LZ

National Highways Company Limited registered in England and Wales number 09346363