

Lower Thames Crossing

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

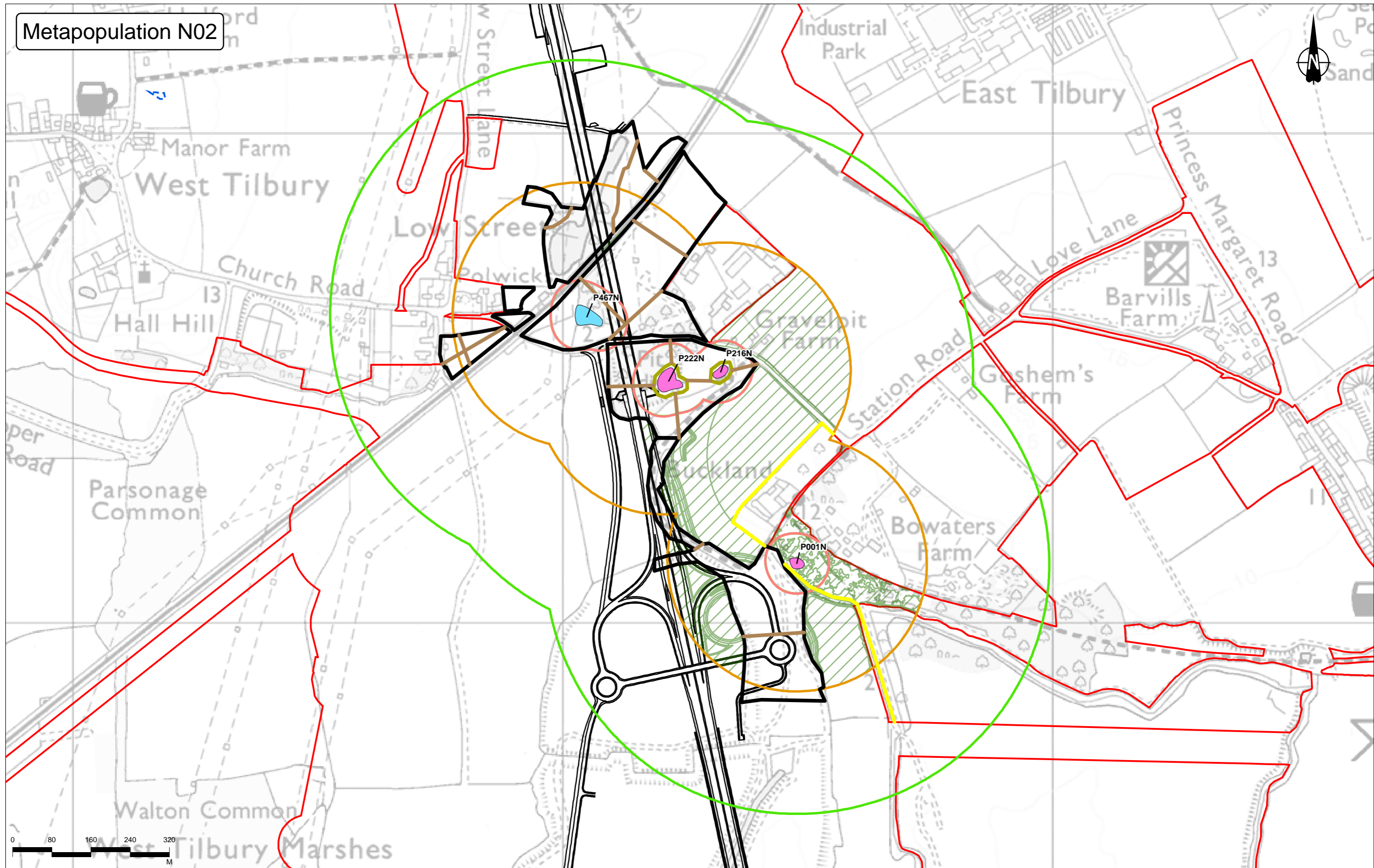
Planning Inspectorate Scheme Ref: TR010032
Application Document Ref: TR010032/APP/6.3

VERSION: 2.0

Revision history

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

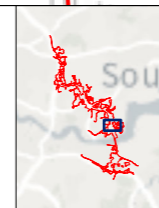
Metapopulation N02



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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

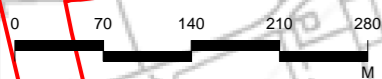
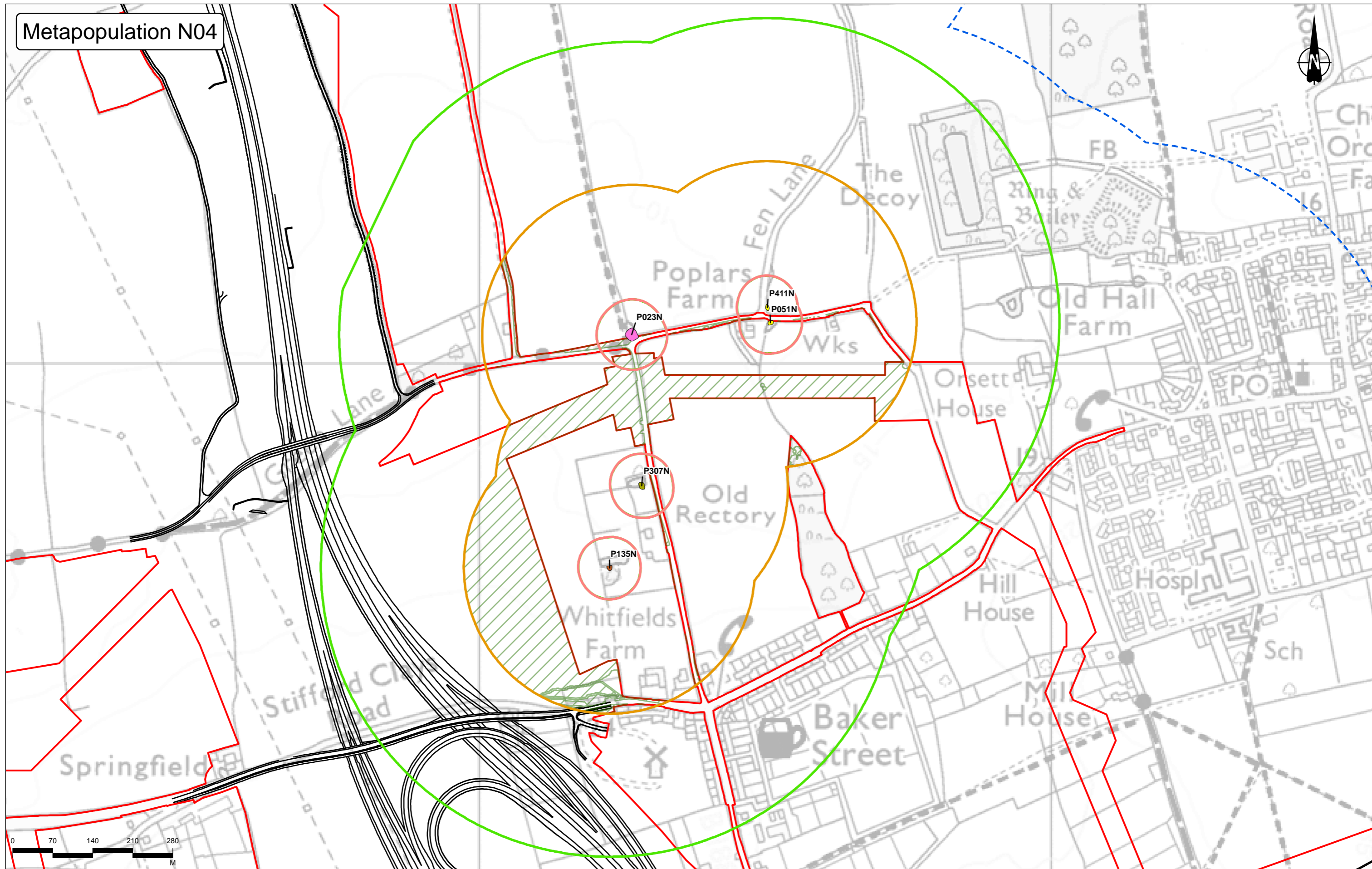
Order Limits	Ponds Present - Conventional	250m pond buffer	TAF Exclusion only
Route alignment	Assumed present - eDNA	500m pond buffer	Fencing
GCN survey area	Pond buffers	DAF 30 Day	Ring 60 day
Habitat manipulation	50m pond buffer	TAF 30 Day	TAF 30 day



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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



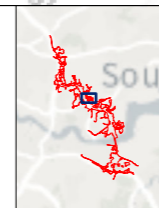
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Legend

- | | | |
|----------------------|-------------------------------|------------------------------|
| Order Limits | Ponds Present - Conventional | Pond buffers 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

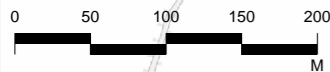
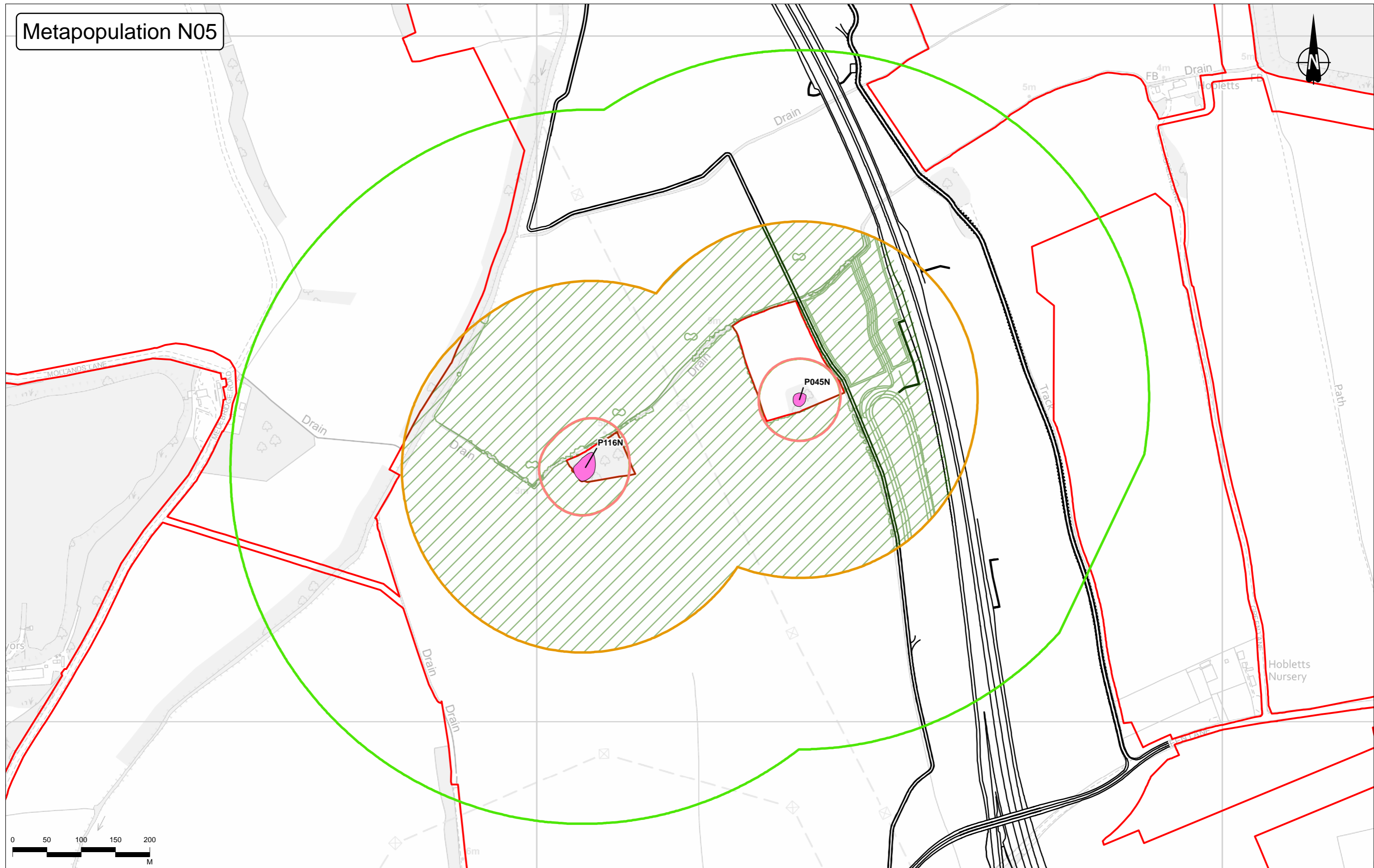


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Status	DCO APPLICATION	Original Size	A3	Revision	P03
Application Document Number	TR010032/APP/6.3	Scale	1:6,000		
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	Page 10 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60036				

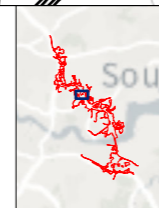
Metapopulation N05



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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

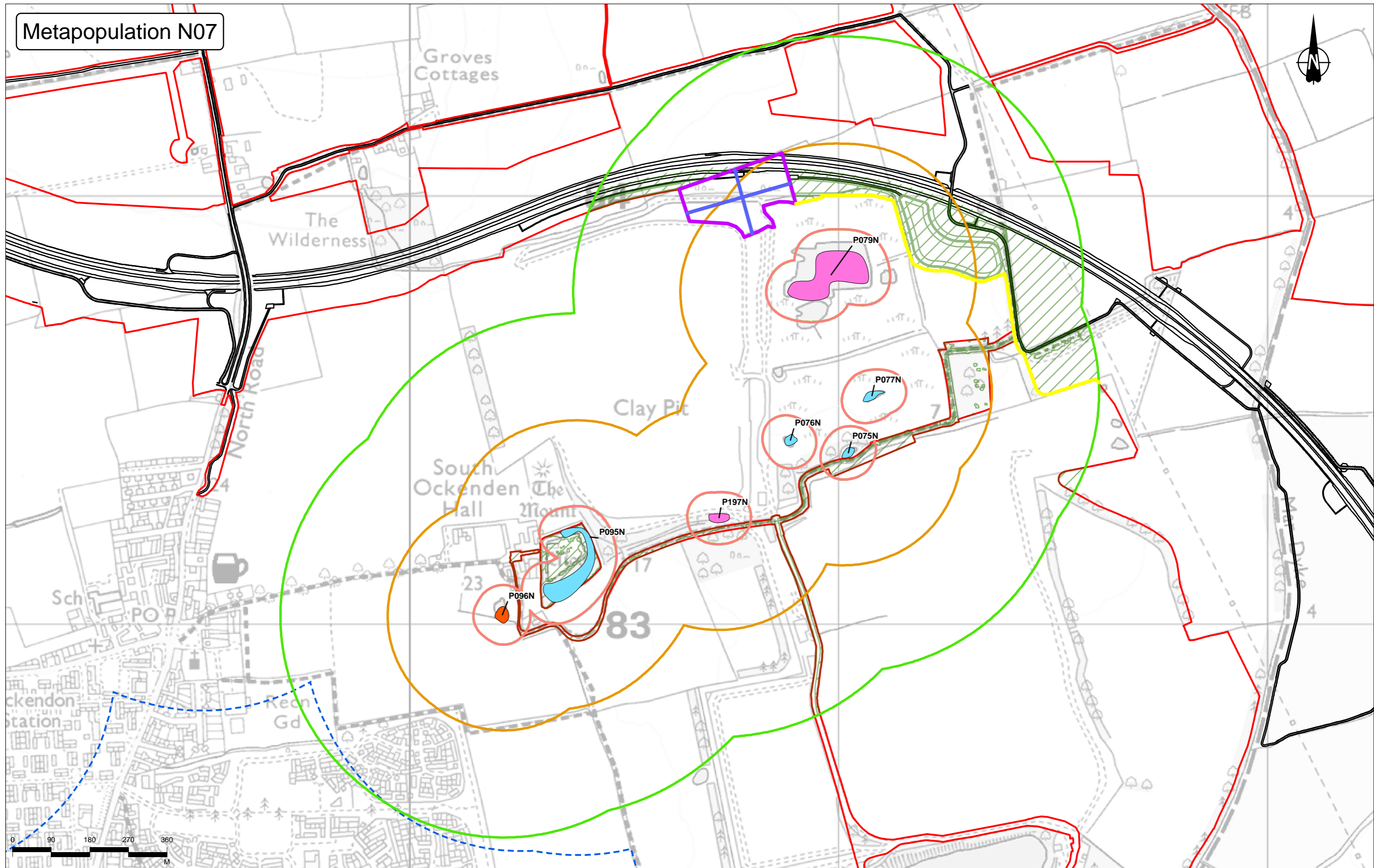
Legend	
Order Limits	Ponds
Route alignment	Present - Conventional
GCN survey area	Pond buffers
Habitat manipulation	50m pond buffer
250m pond buffer	500m pond buffer



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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 11 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60036				

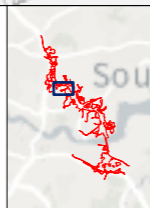
Metapopulation N07



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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

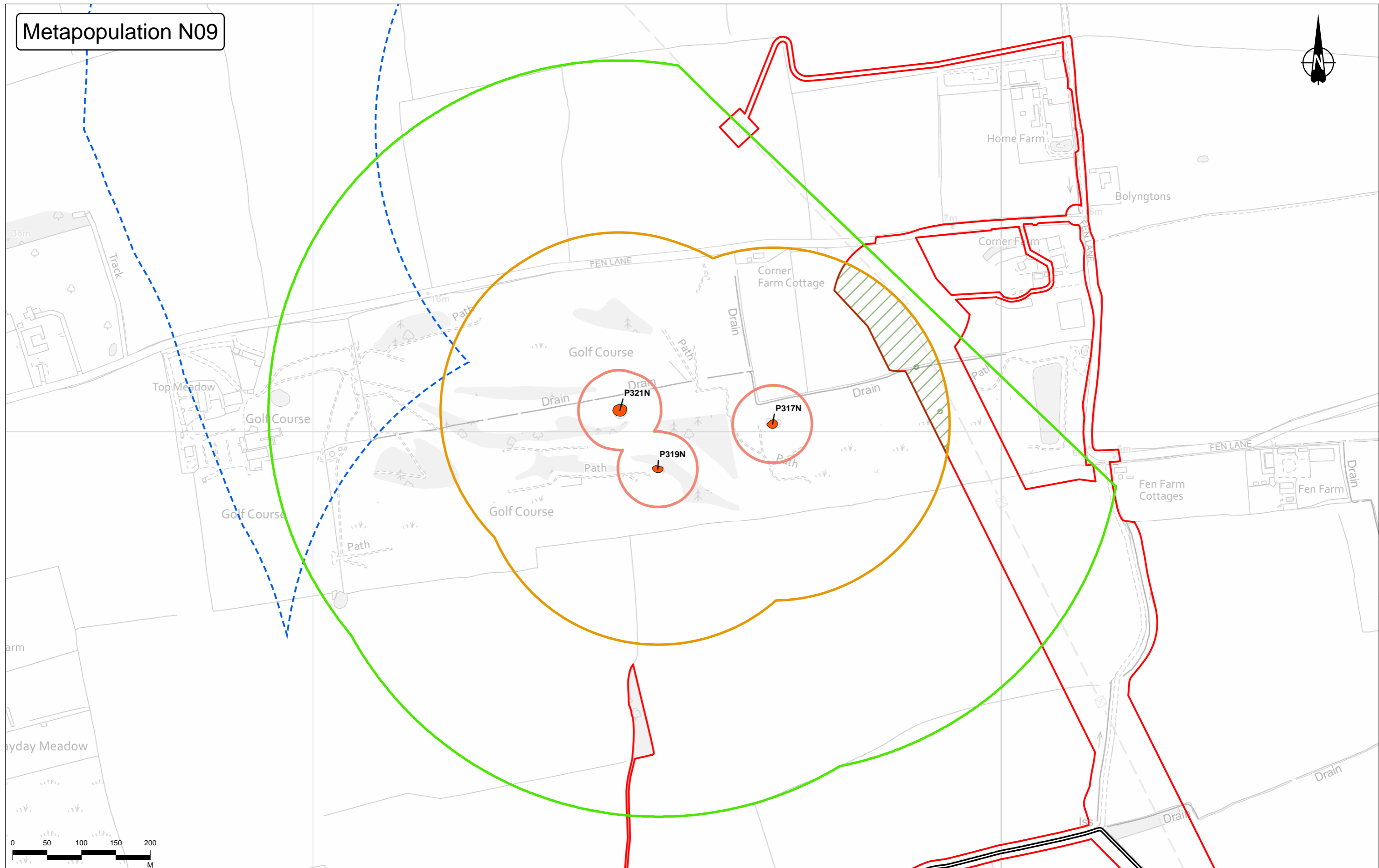
Legend		Ponds		Pond buffers		Fencing	
	Order Limits		Present - Conventional		50m pond buffer		DAF 60 Day
	Route alignment		Present - eDNA		250m pond buffer		TAF 60 Day
	GCN survey area		Assumed present - eDNA		500m pond buffer		TAF Exclusion only
	Habitat manipulation						



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Status	DCO APPLICATION	Original Size	A3	Revision	P03
Application Document Number	TR010032/APP/6.3	Scale	1:8,000		
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Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60036				

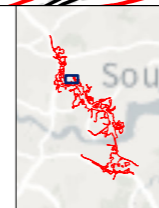
Metapopulation N09



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

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



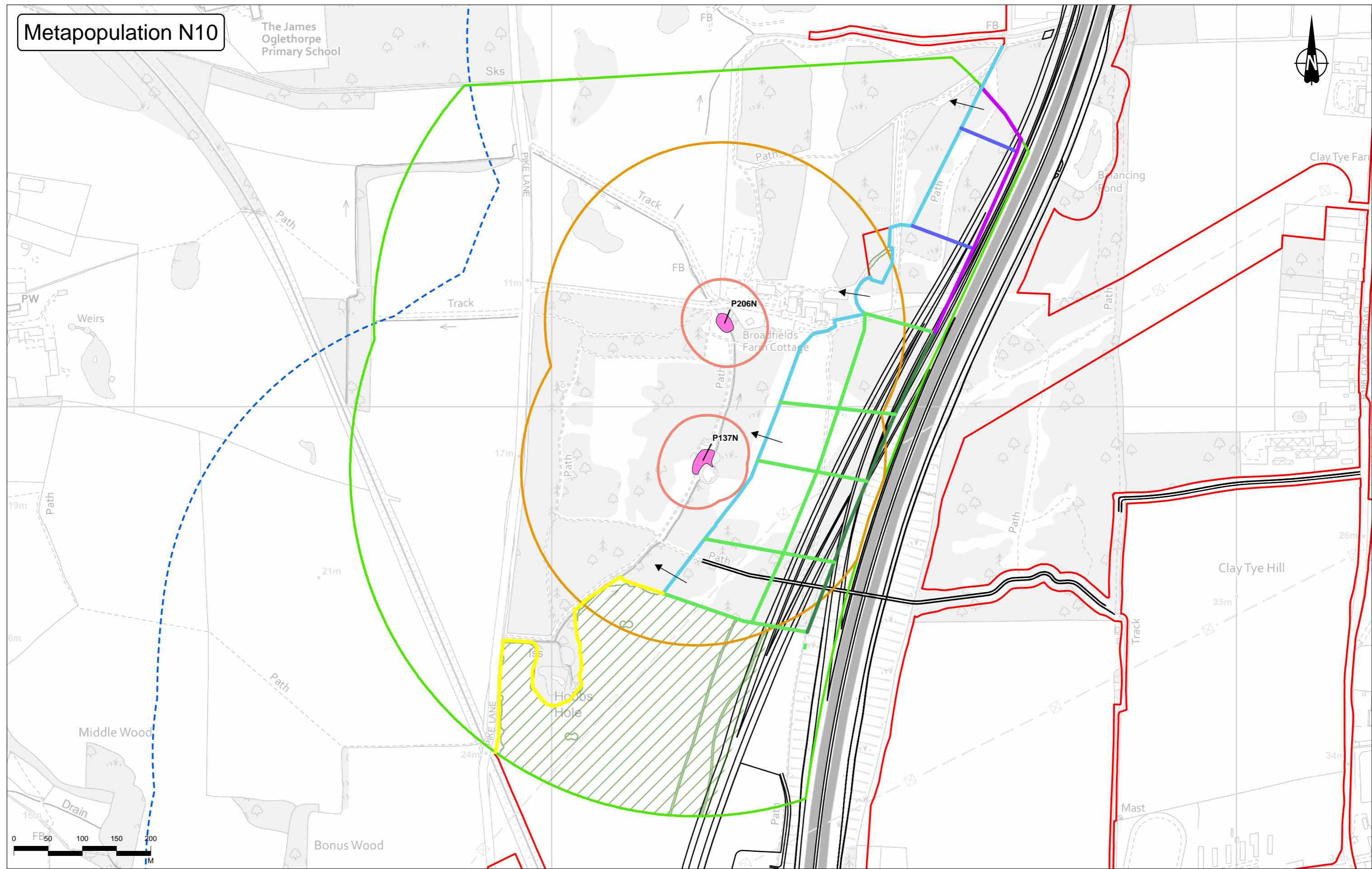
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Application Document Number	TR010032/APP/6.3	Scale	1:5,000		
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Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60036				

Metapopulation N10

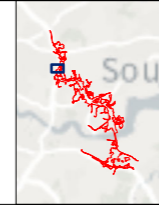
The James Oglethorpe Primary School



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

500m pond buffer	TAF 60 Day
Fencing	TAF 90 Day
DAF 60 Day	TAF Exclusion only
DAF 90 Day	
OWF	

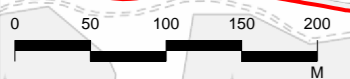
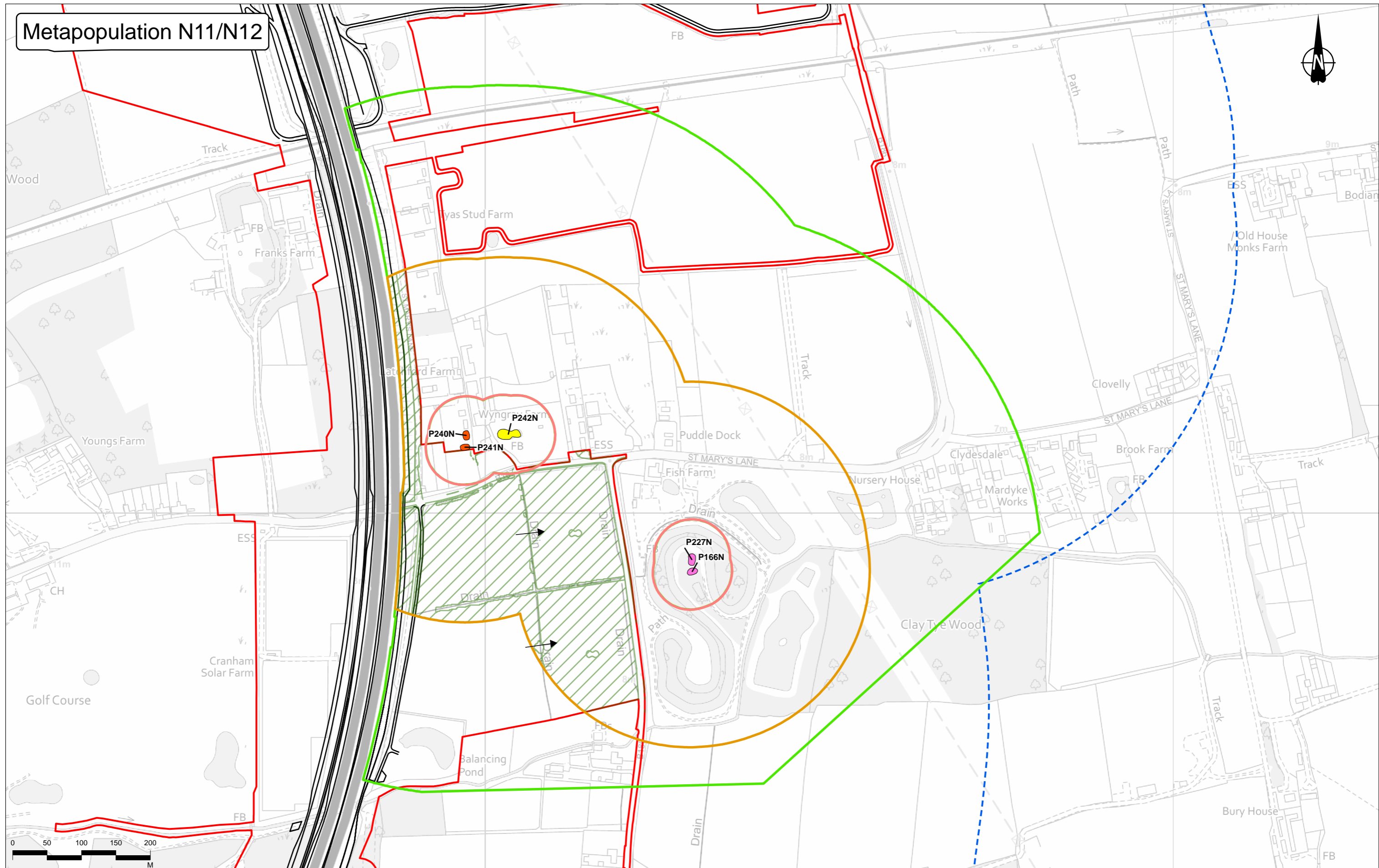


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Status	DCO APPLICATION	Original Size	A3	Revision	P03
Application Document Number	TR010032/APP/6.3	Scale	1:5,000		
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	Page 14 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60036				

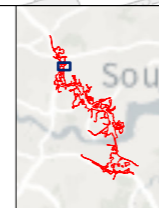
Metapopulation N11/N12



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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



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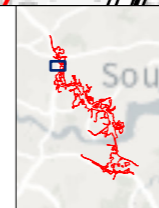
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	Page 15 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60036				

Metapopulation N13



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	Apprvd

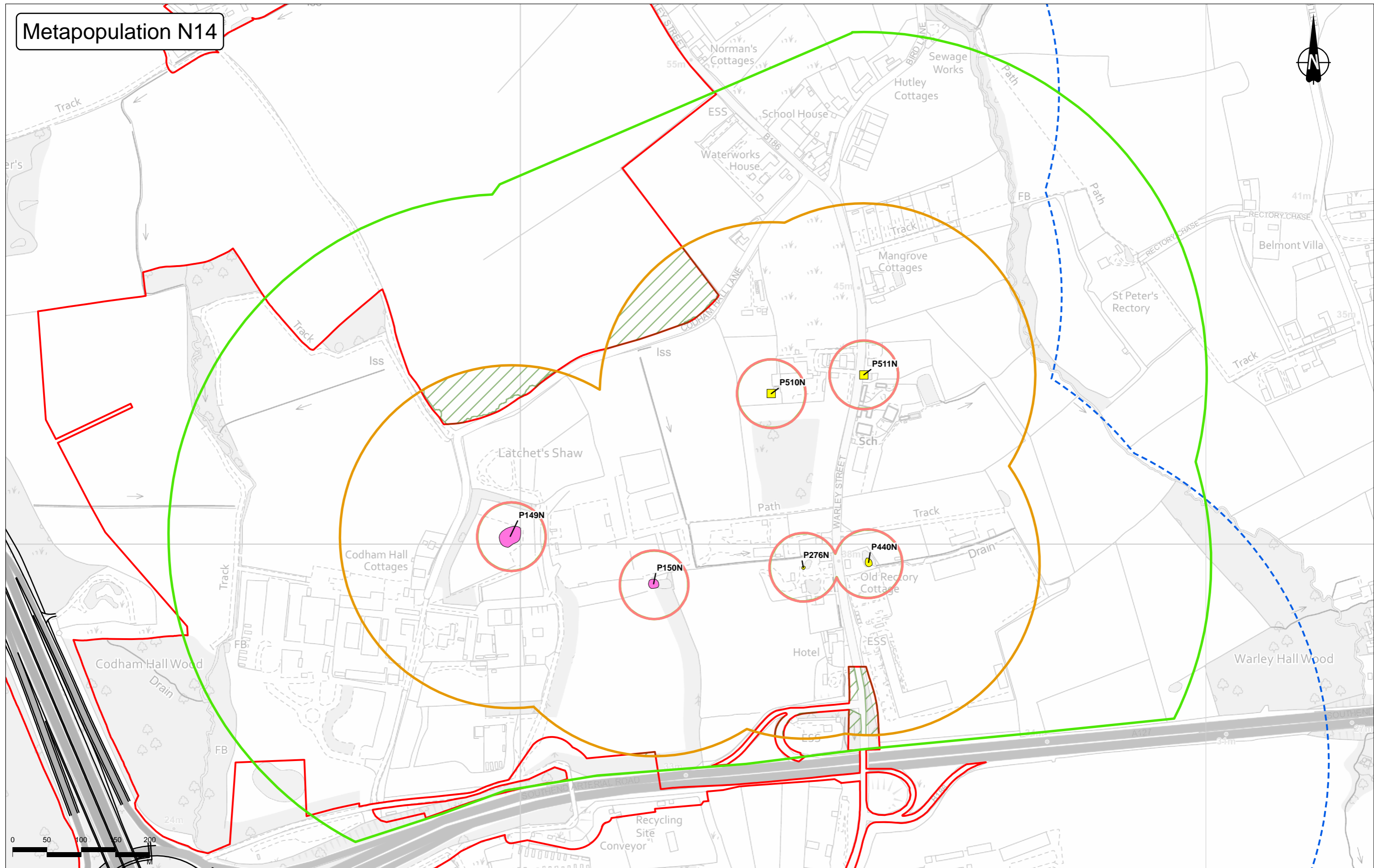
Legend	
Order Limits	Ponds Present - Conventional
Route alignment	Ponds Assumed present - No access
GCN survey area	Pond buffers 50m pond buffer
Habitat manipulation	250m pond buffer
DAF 90 Day	500m pond buffer
TAF 90 Day	TAF Exclusion only
TAF 90 Day	Fencing DAF 90 Day
TAF 90 Day	Fencing TAF 90 Day



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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 16 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60036				

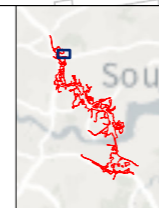
Metapopulation N14



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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		

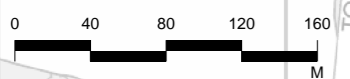
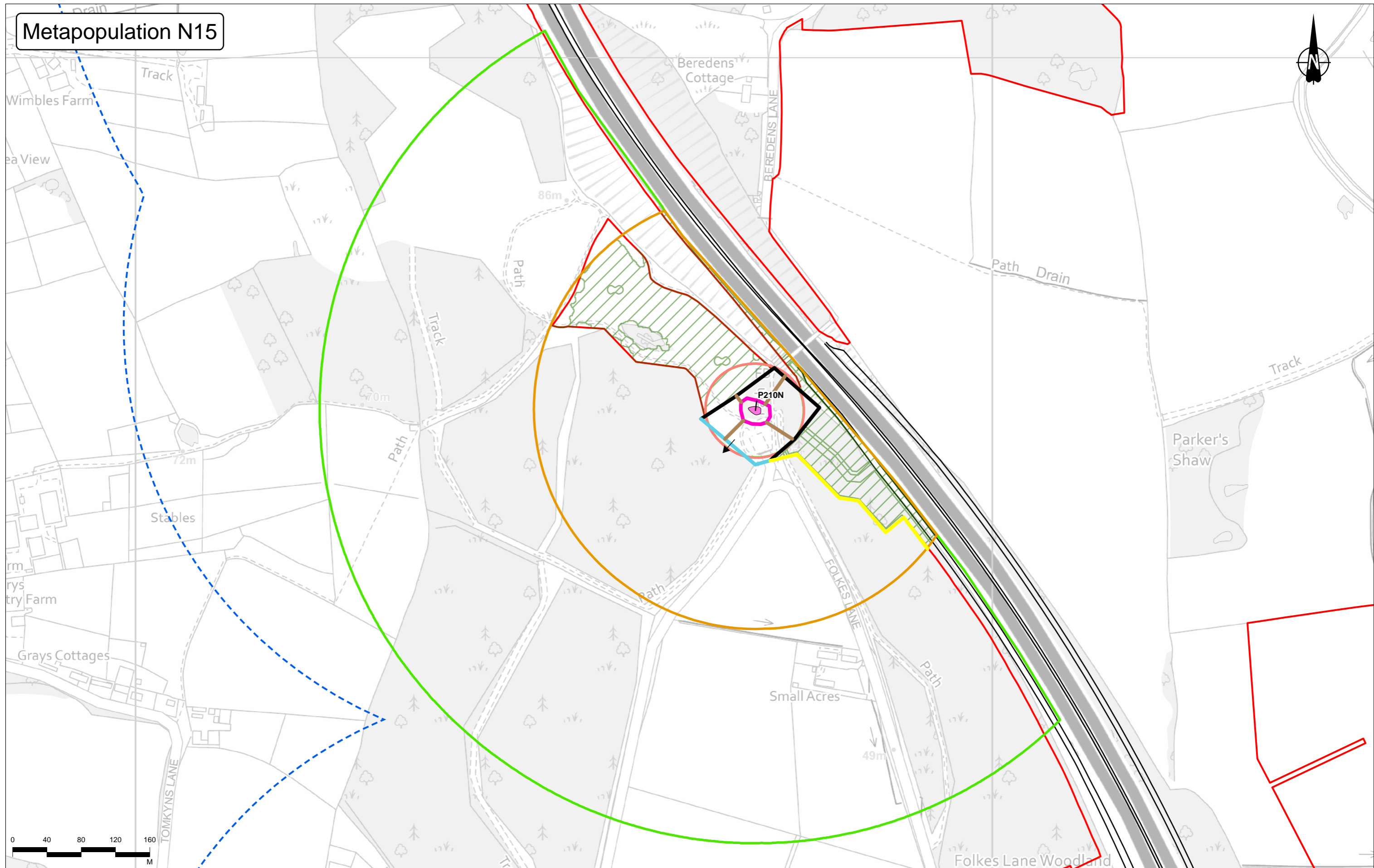


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Status	DCO APPLICATION	Original Size	A3	Revision	P03
Application Document Number	TR010032/APP/6.3	Scale	1:5,000		
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	Page 17 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60036				

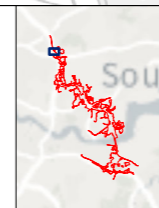
Metapopulation N15



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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

Legend	
Order Limits	Ponds Present - Conventional
Route alignment	500m pond buffer
GCN survey area	Pond buffers 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	

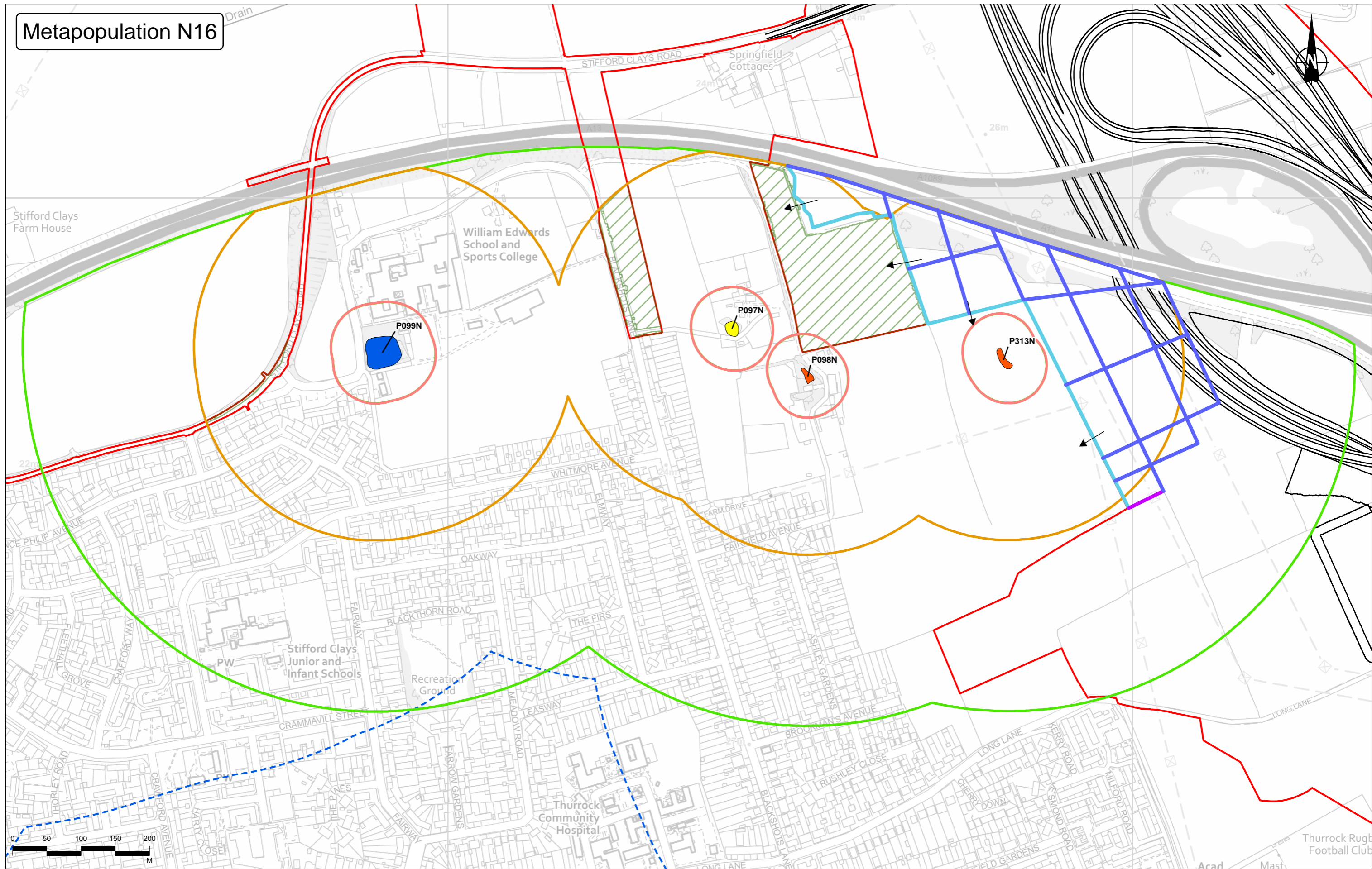


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Status	DCO APPLICATION	Original Size	A3	Revision	P03
Application Document Number	TR010032/APP/6.3	Scale	1:4,000		
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	Page 18 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60036				

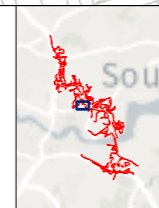
Metapopulation N16



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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
	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

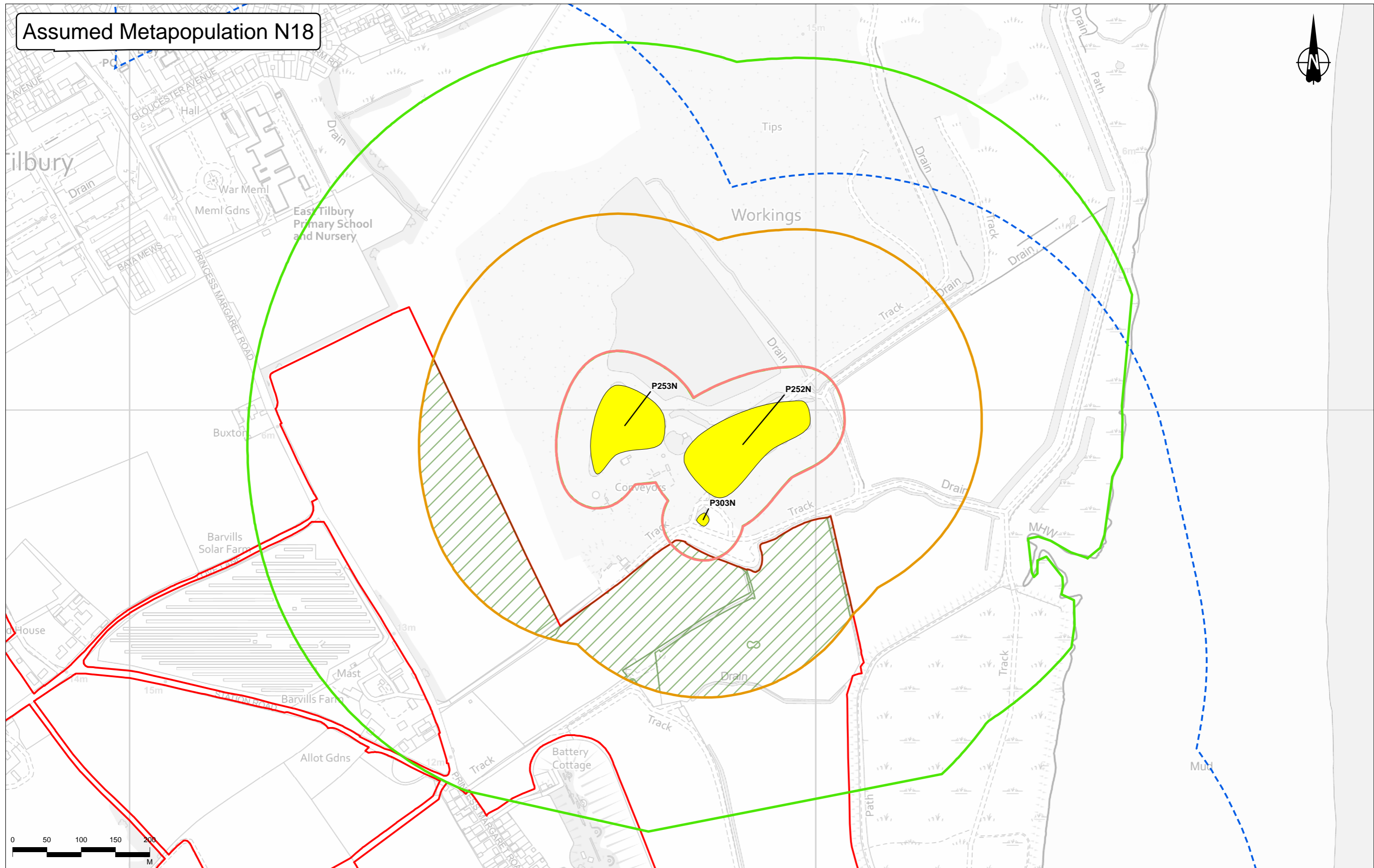


Client: **national highways**

Project: **LOWER THAMES CROSSING**

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

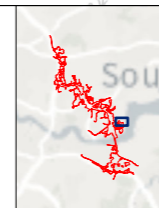
Assumed Metapopulation N18



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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

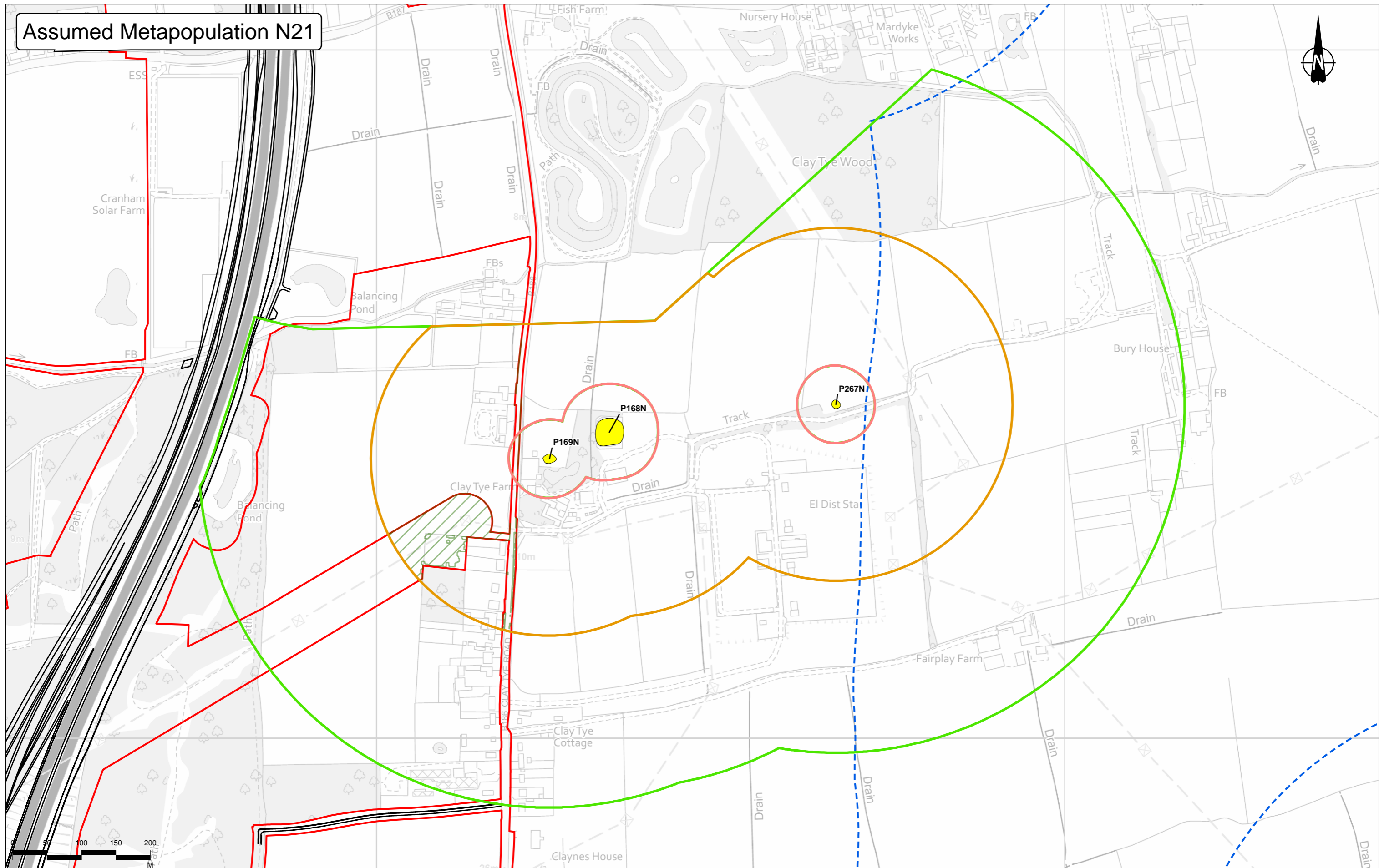
Legend	
Order Limits	Ponds
GCN survey area	Assumed present - No access
Habitat manipulation	Pond buffers
	50m pond buffer
	250m pond buffer
	500m pond buffer



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Status	DCO APPLICATION	Original Size	A3	Revision	P03
Application Document Number	TR010032/APP/6.3	Scale	1:5,000		
Drawing Title	Figure E4a - Capture and Exclusion Assumed Metapopulation N18				
	Page 20 of 21				
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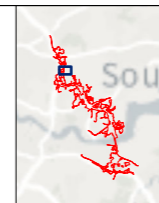
Assumed Metapopulation N21



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

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

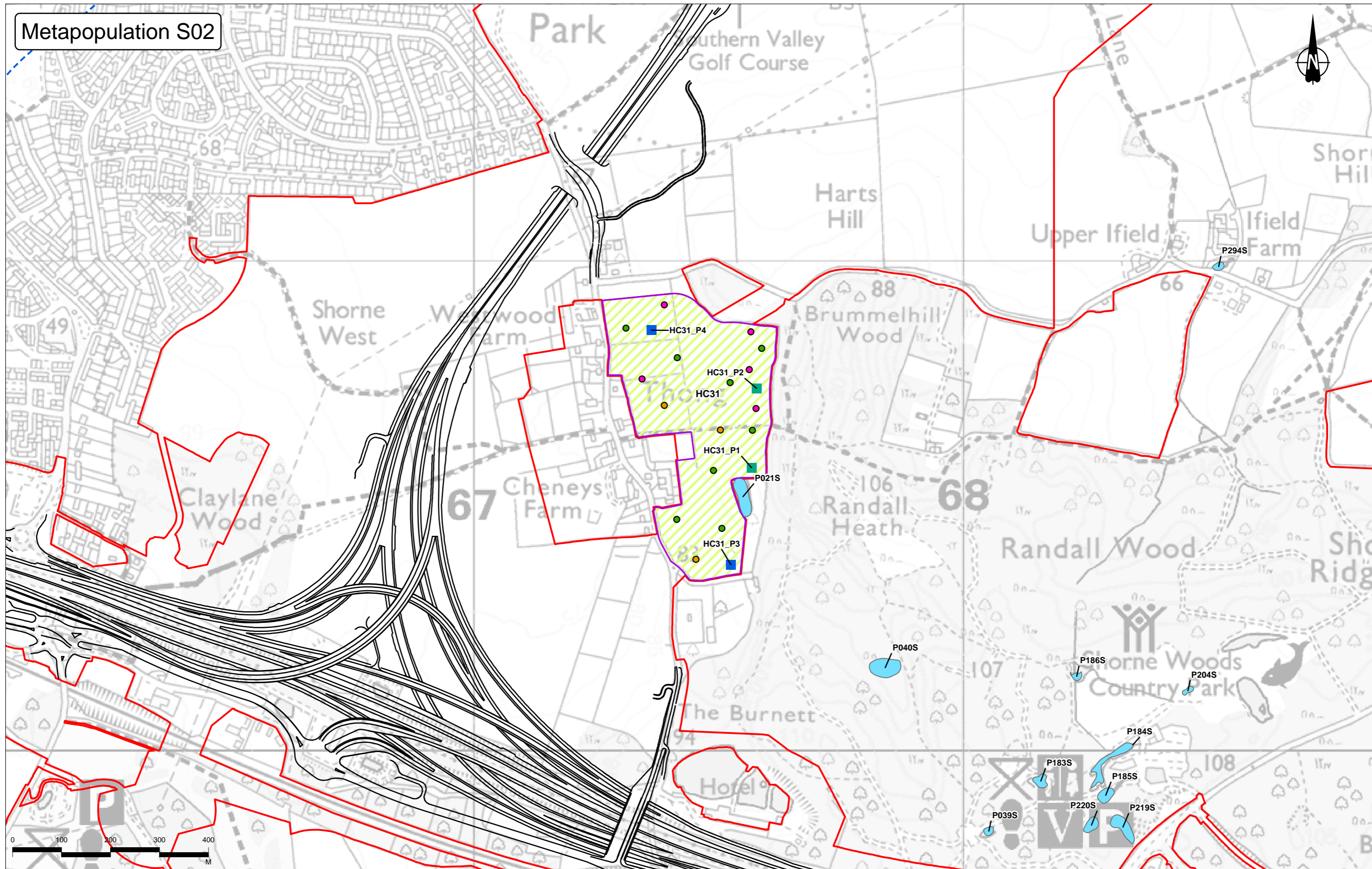


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Status	DCO APPLICATION	Original Size	A3	Revision	P03
Application Document Number	TR010032/APP/6.3	Scale	1:5,000		
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Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60036				

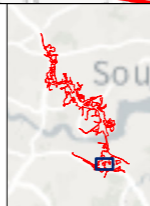
Metapopulation S02



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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		

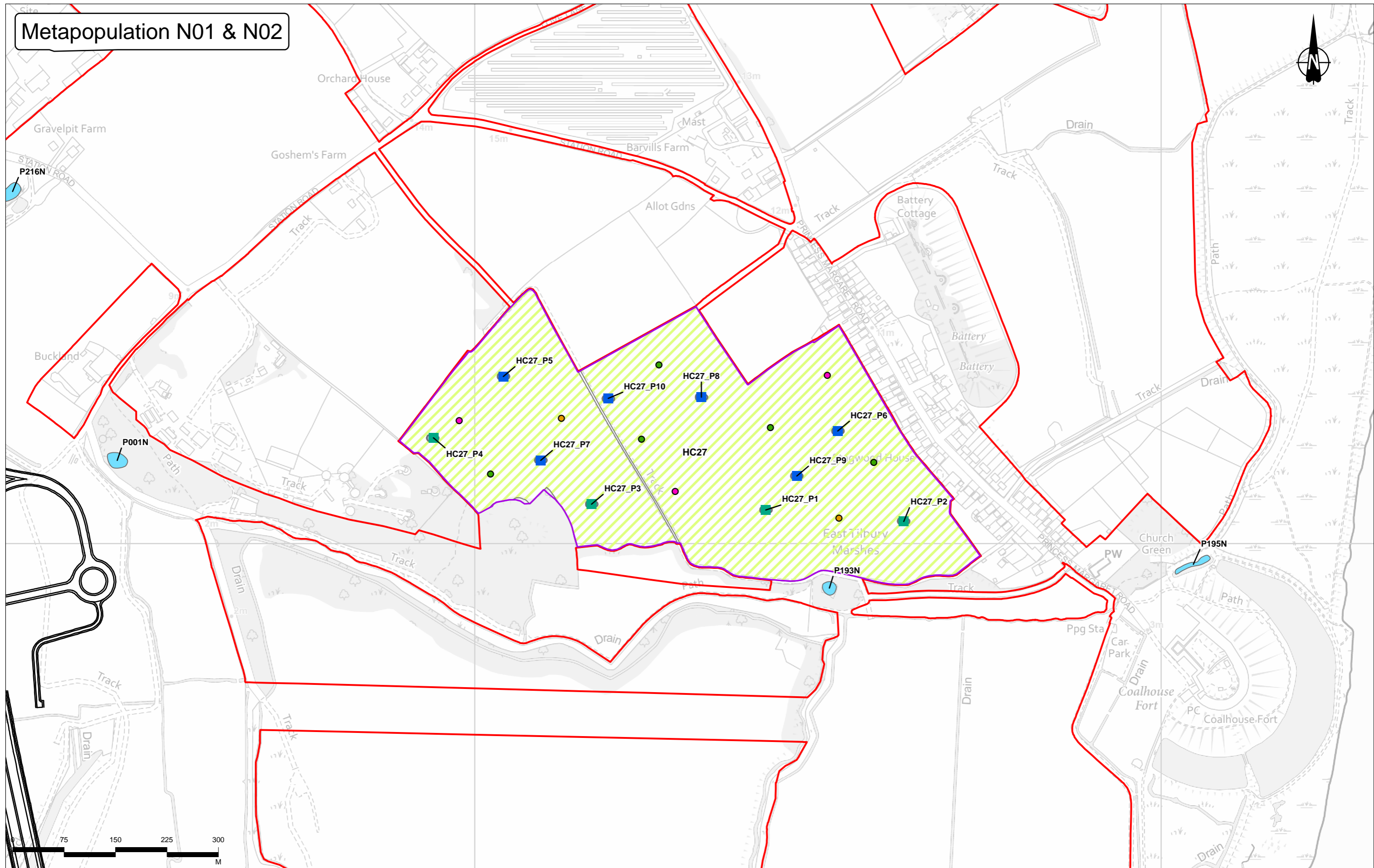


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Project: LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:7,000		
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Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60031				

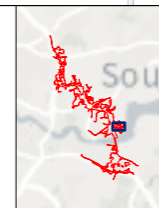
Metapopulation N01 & N02



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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



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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 2 of 9				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60031				

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

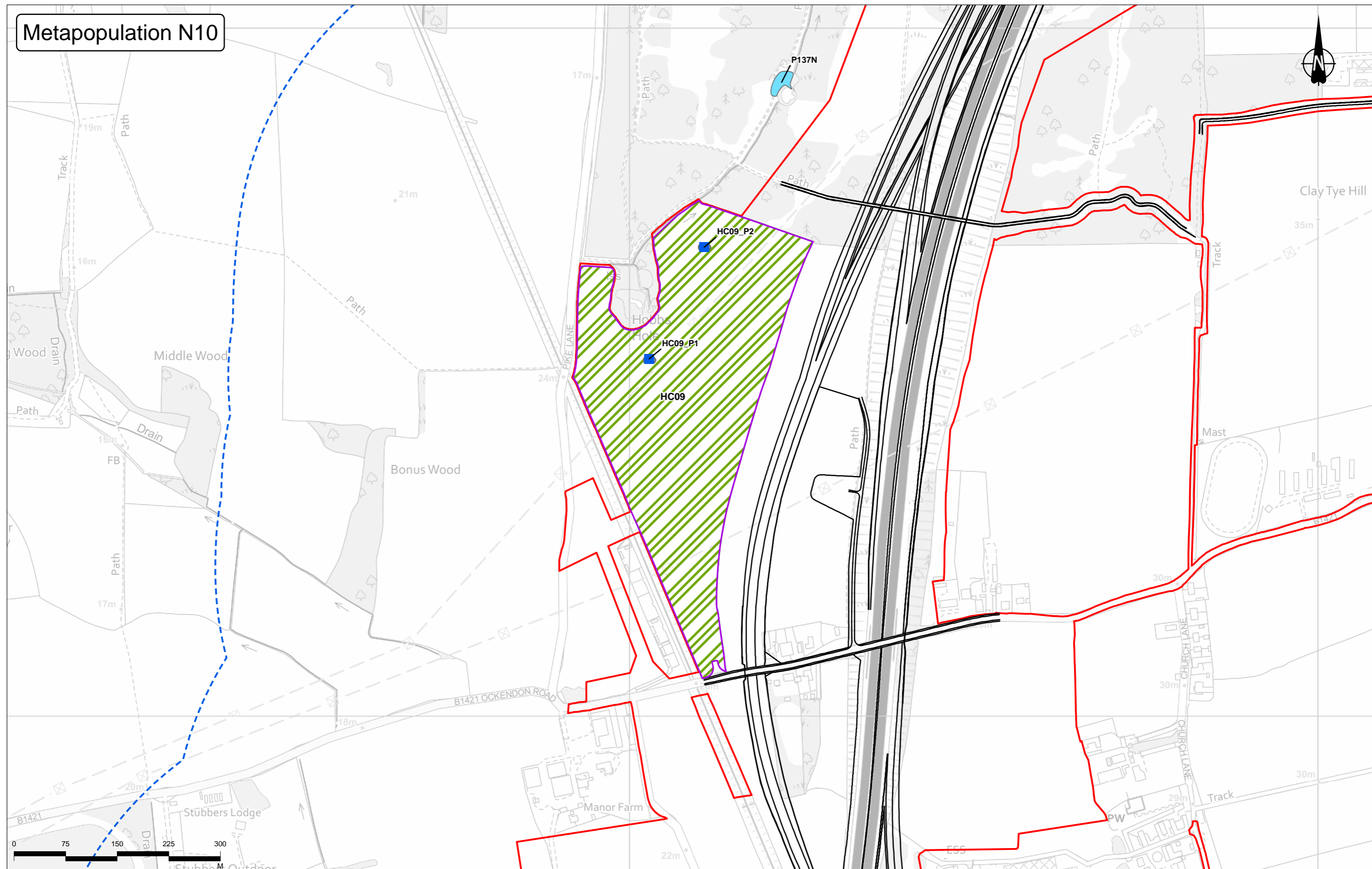
Legend		Landscape Habitat	
Order Limits	Mitigation Receptor Areas	Refugia	LE8.5 Ecology Pond (Indicative Symbol)
Route Alignment	GCN Pond	Large hibernacula	LE8.1 Open Mosaic Habitat
GCN Survey Area	Non GCN Pond	Small hibernacula	
Ponds			

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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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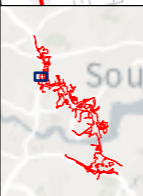
Metapopulation N10



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



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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 4 of 9				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60031				

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

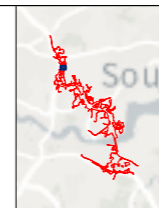
Metapopulation N11/N12



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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

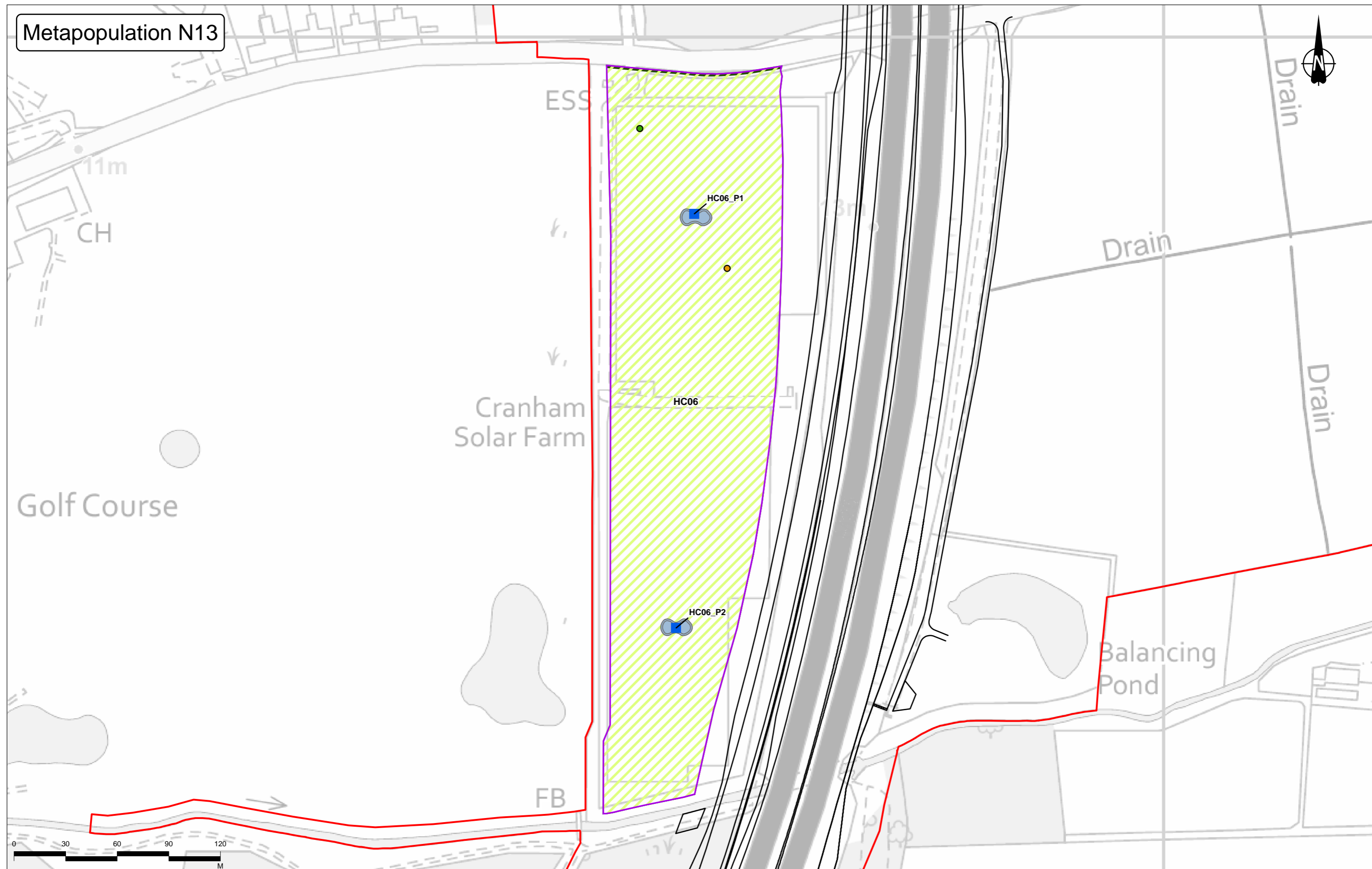
Legend		Mitigation		Landscape Habitat	
	Order Limits		Mitigation Receptor Areas		Large hibernacula
	Route Alignment		Non GCN Pond		Small hibernacula
	GCN Survey Area		Refugia		LE8.5 Ecology Pond (Indicative Symbol)
	Ponds		LE8.1 Open Mosaic Habitat		



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LOWER THAMES CROSSING

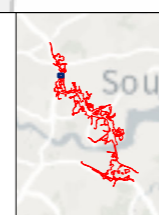
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Drawing Title	Figure E5.1 - Post-Development Management and Maintenance Page 5 of 9				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60031				



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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

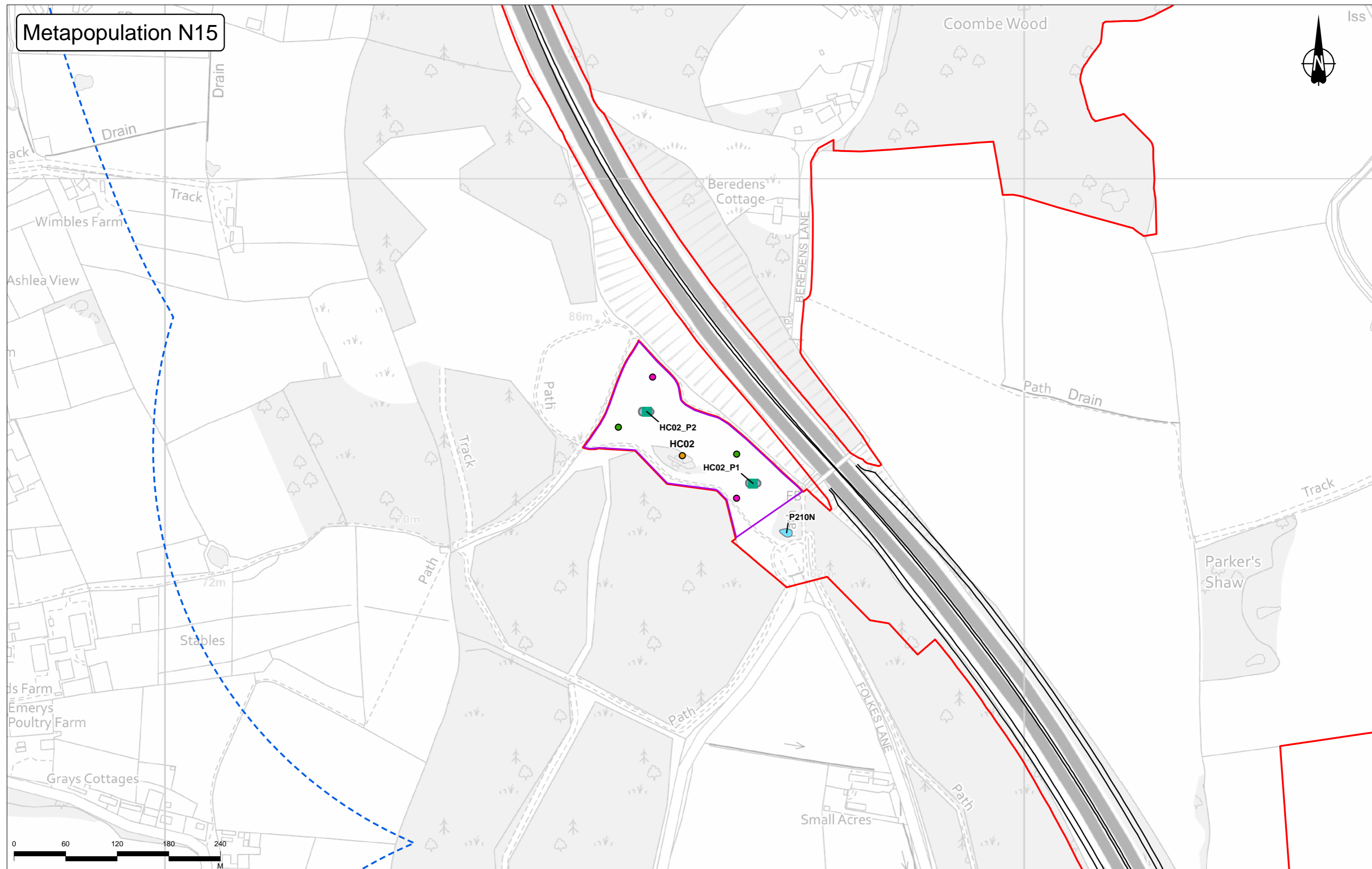
Legend		Mitigation		Landscape Habitat	
	Order Limits		Non GCN Pond		LE8.5 Ecology Pond (Indicative Symbol)
	Route Alignment		Refugia		LE1.3 Species Rich Grassland
	GCN Survey Area		Large hibernacula		LE6.2 Banks and Ditches (Polygon)
	Mitigation Receptor Areas				



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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_EGNE0000000-DR-LE-60031				

Metapopulation N15

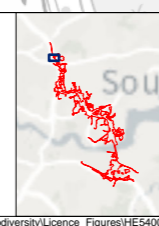


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P02	S8	19/10/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

Legend

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

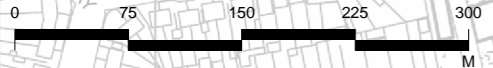
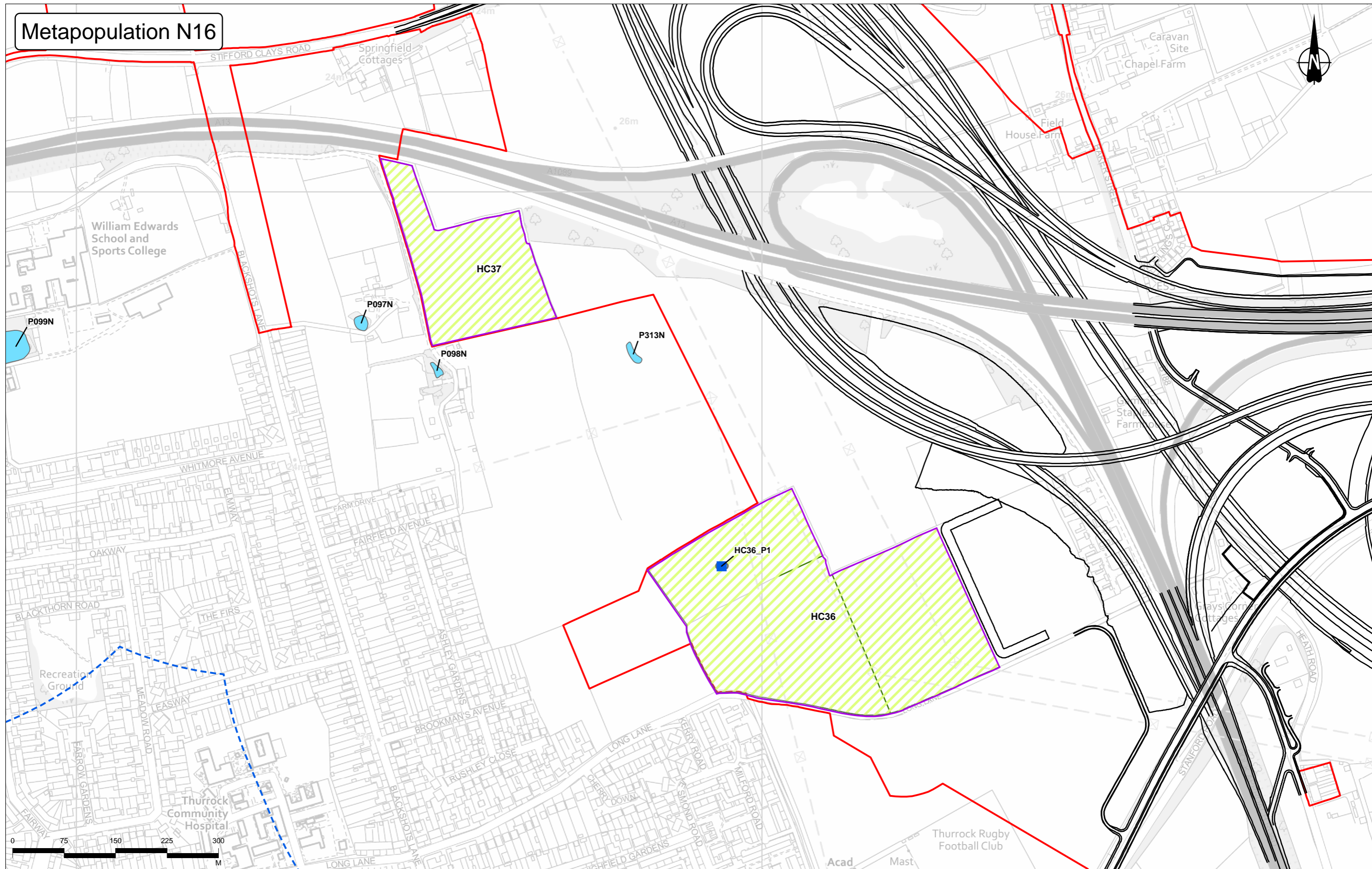


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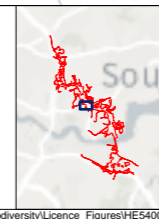
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Drawing Title	Figure E5.1 - Post-Development Management and Maintenance Page 7 of 9				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60031				

Metapopulation N16



Legend

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

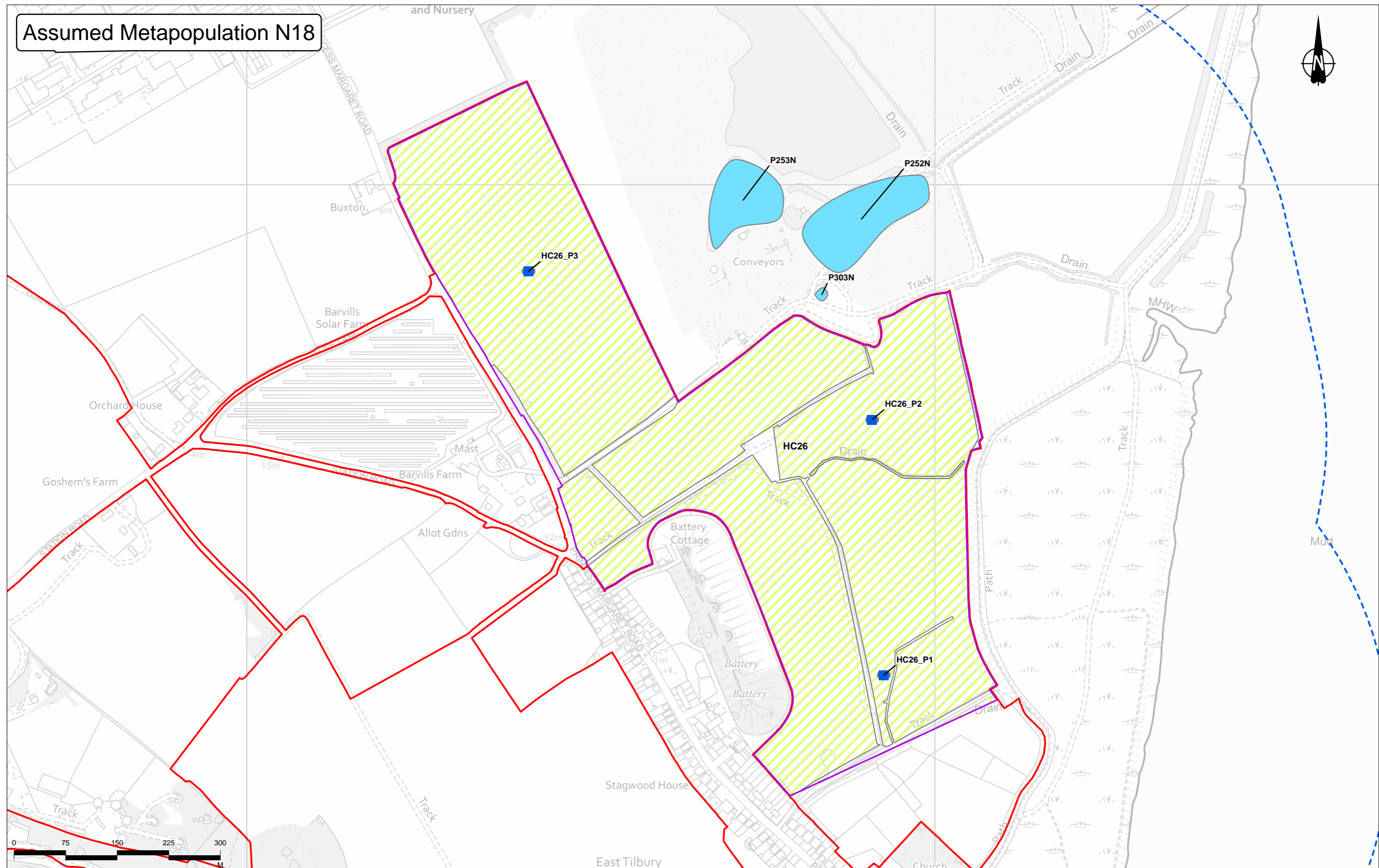


LOWER THAMES CROSSING

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 8 of 9				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60031				

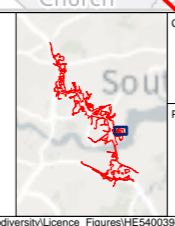
P02	S8	19/10/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprvd

Assumed Metapopulation N18



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

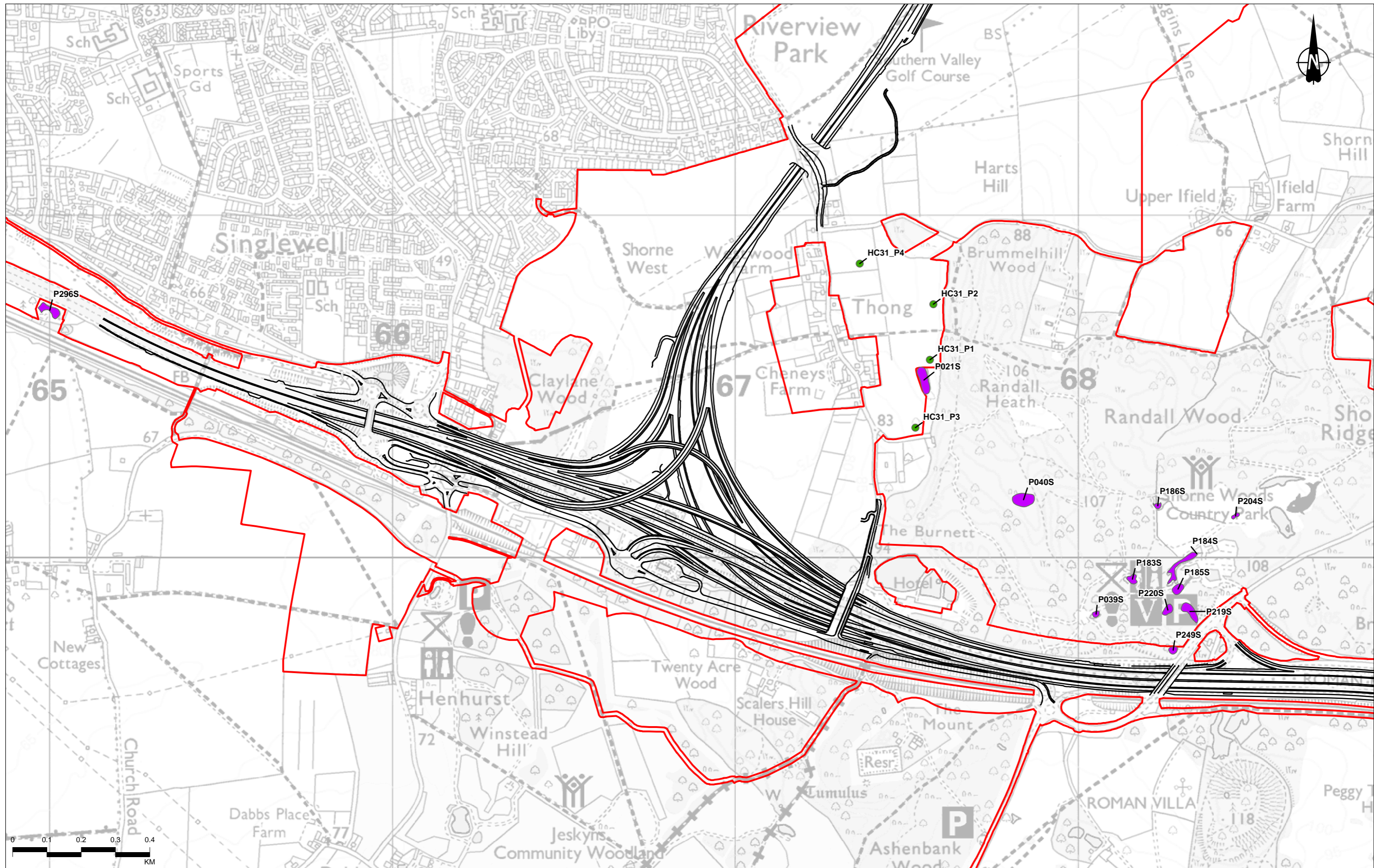
- Legend**
- Order Limits
 - GCN Survey Area
 - Ponds
 - Mitigation Receptor Areas
 - Mitigation**
 - Non GCN Pond
 - Landscape Habitat**
 - LE8.5 Ecology Pond (Indicative Symbol)
 - LE8.6 Translocated Acid Grassland
 - LE8.1 Open Mosaic Habitat



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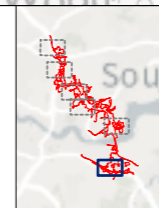
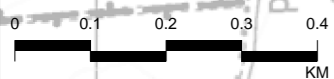
Status	DCO APPLICATION	Original Size	A3	Revision	P02
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Drawing Title	Figure E5.1 - Post-Development Management and Maintenance Page 9 of 9				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60031				



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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

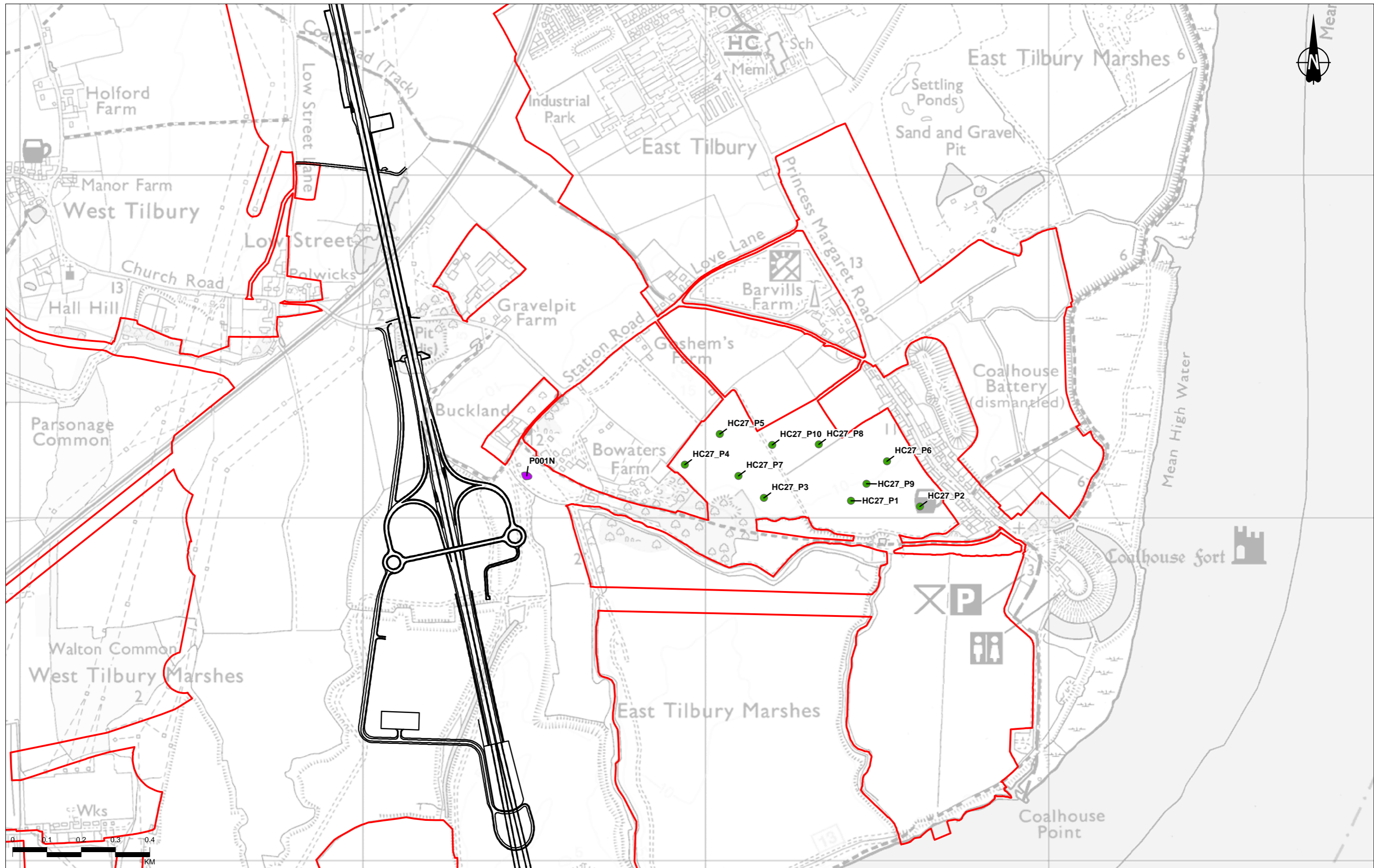
- Legend**
- Order Limits
 - Route Alignment
 - Ponds outside of land ownership to be monitored
 - Pond within land ownership to be monitored



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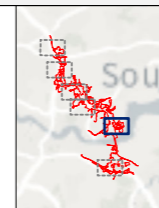
Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:10,000		
Drawing Title	Figure E5.2 Post-Development Monitoring Page 1 of 6				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60037				



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

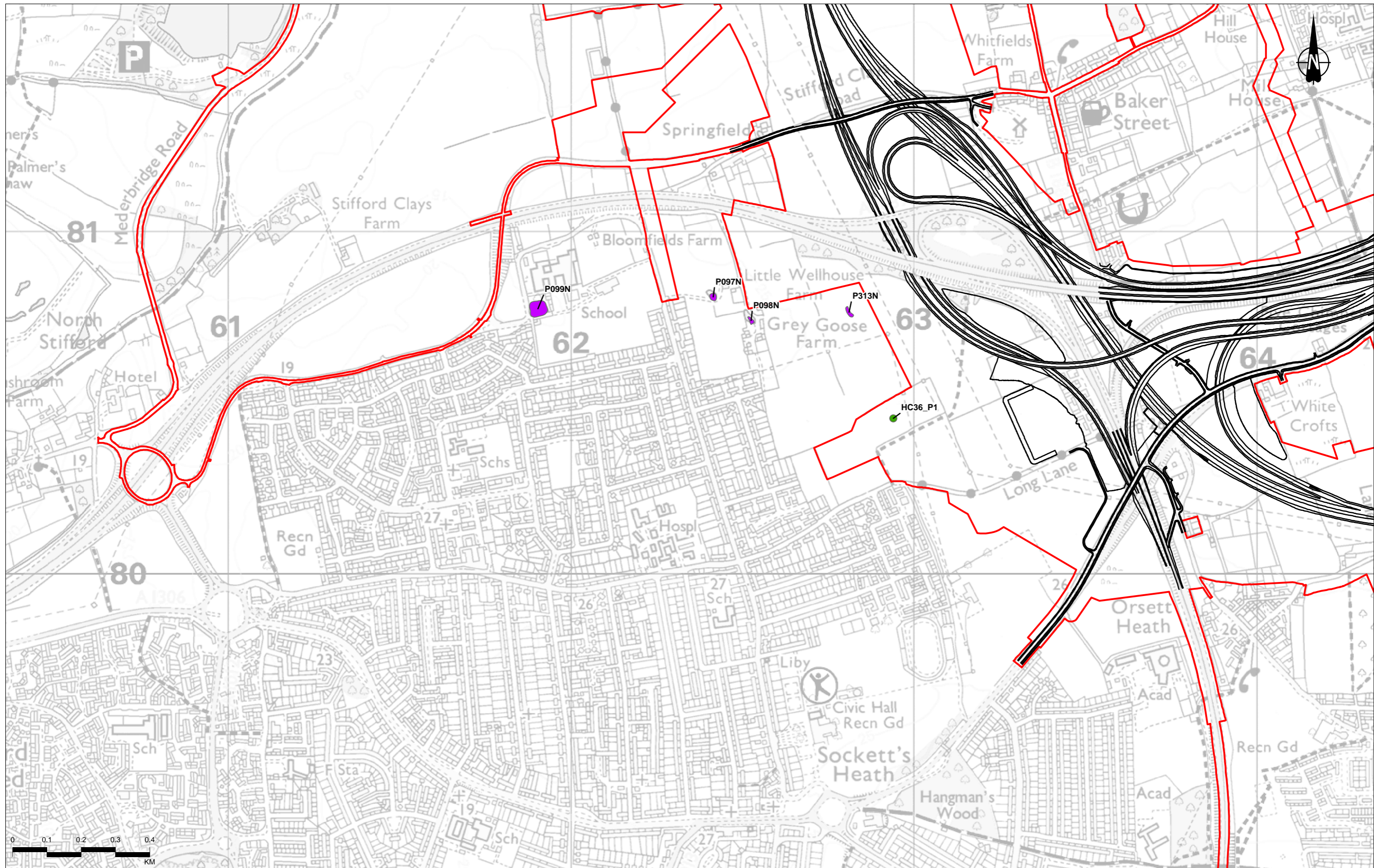
P02	S8	19/10/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd



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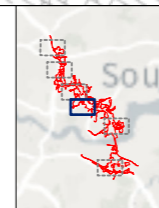
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Drawing Title	Figure E5.2 Post-Development Monitoring Page 2 of 6				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60037				




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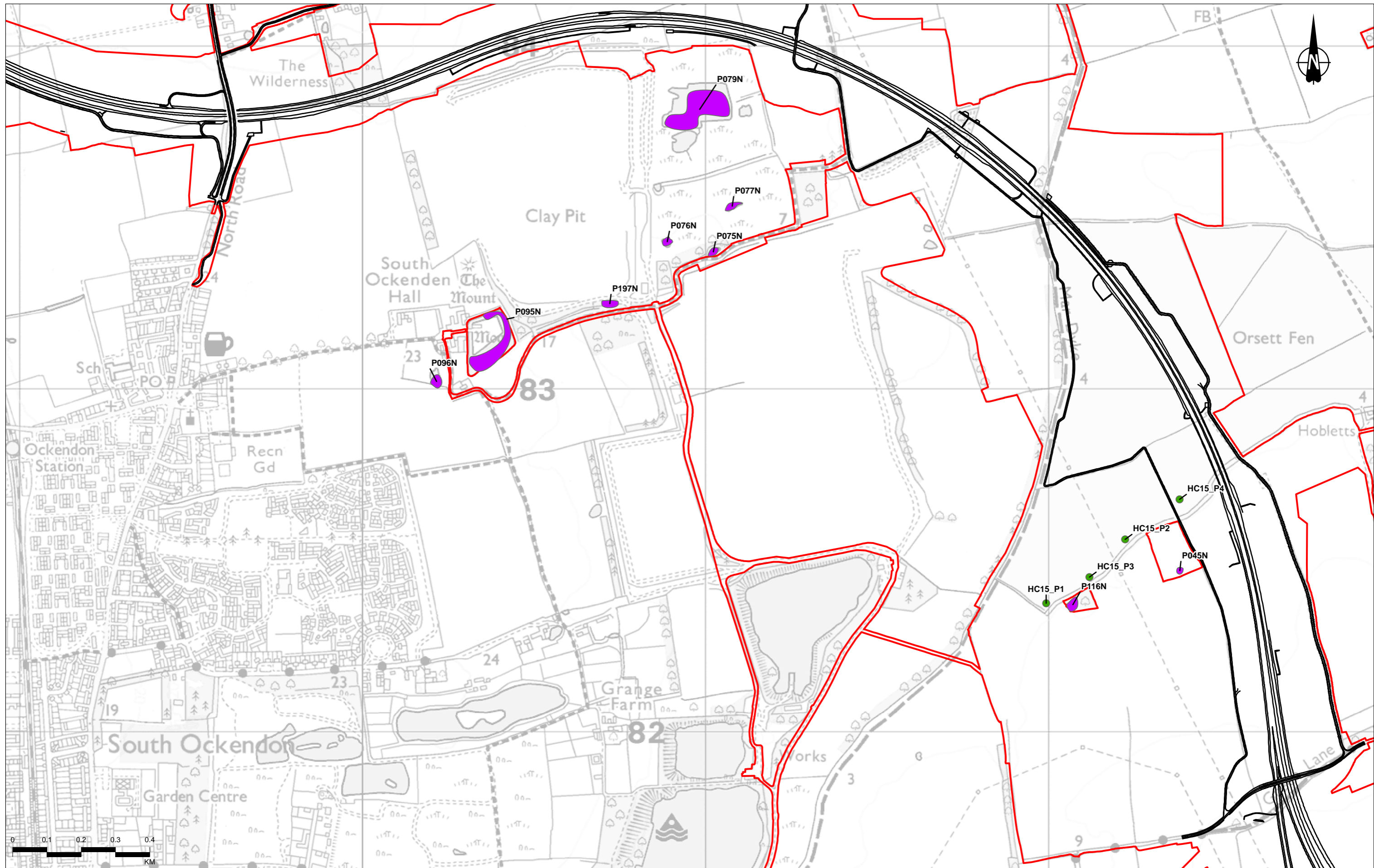
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprvd
P02	S8	19/10/2022	DCO Application	CD	HT	BF

- 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

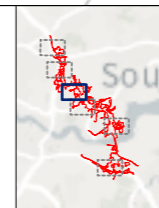
Status	DCO APPLICATION	Original Size	A3	Revision	P02
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Drawing Title	Figure E5.2 Post-Development Monitoring Page 3 of 6				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60037				



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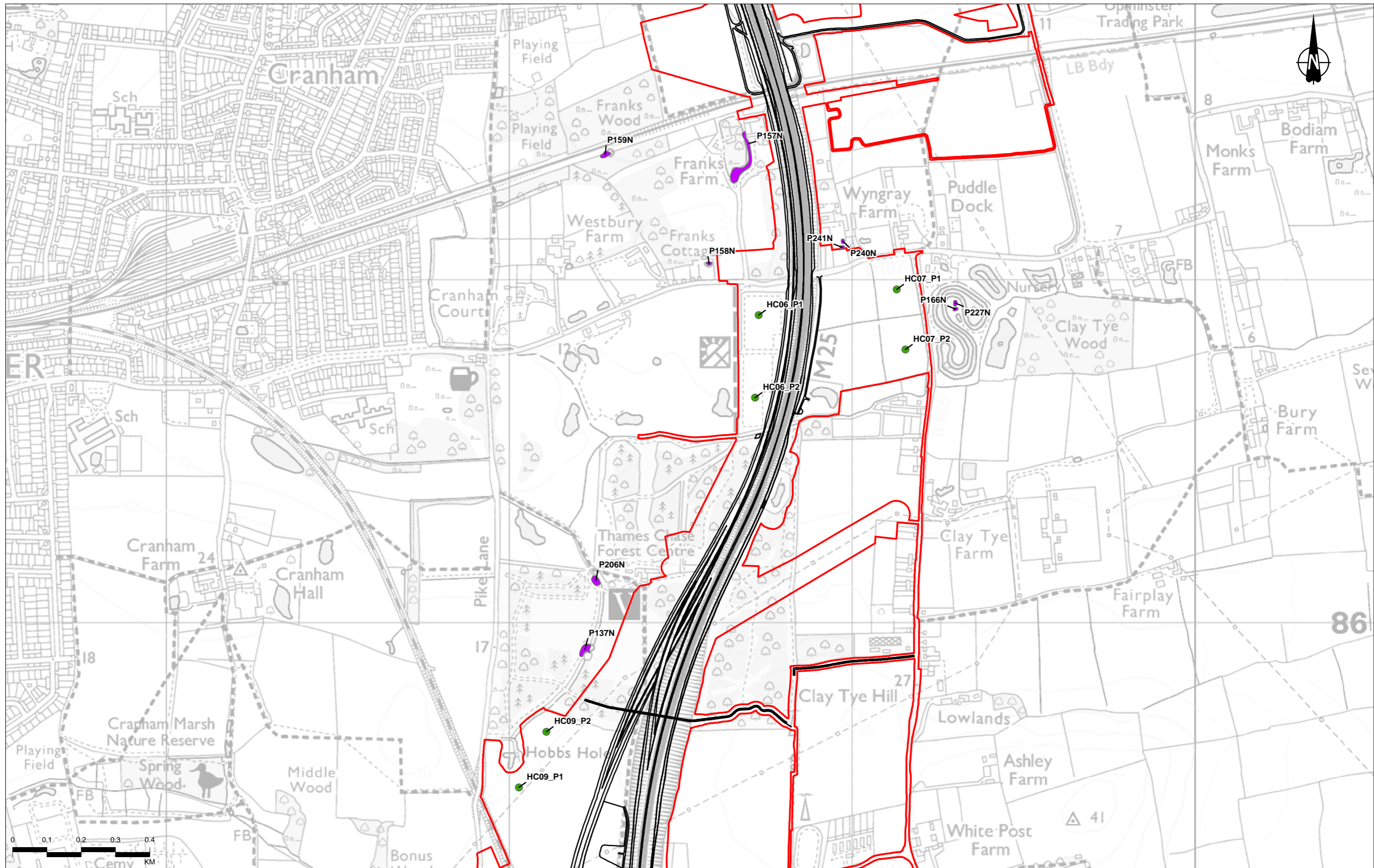
- Legend**
- Order Limits
 - Route Alignment
 - Ponds outside of land ownership to be monitored
 - Pond within land ownership to be monitored



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LOWER THAMES CROSSING

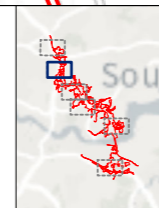
Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:10,000		
Drawing Title	Figure E5.2 Post-Development Monitoring Page 4 of 6				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60037				




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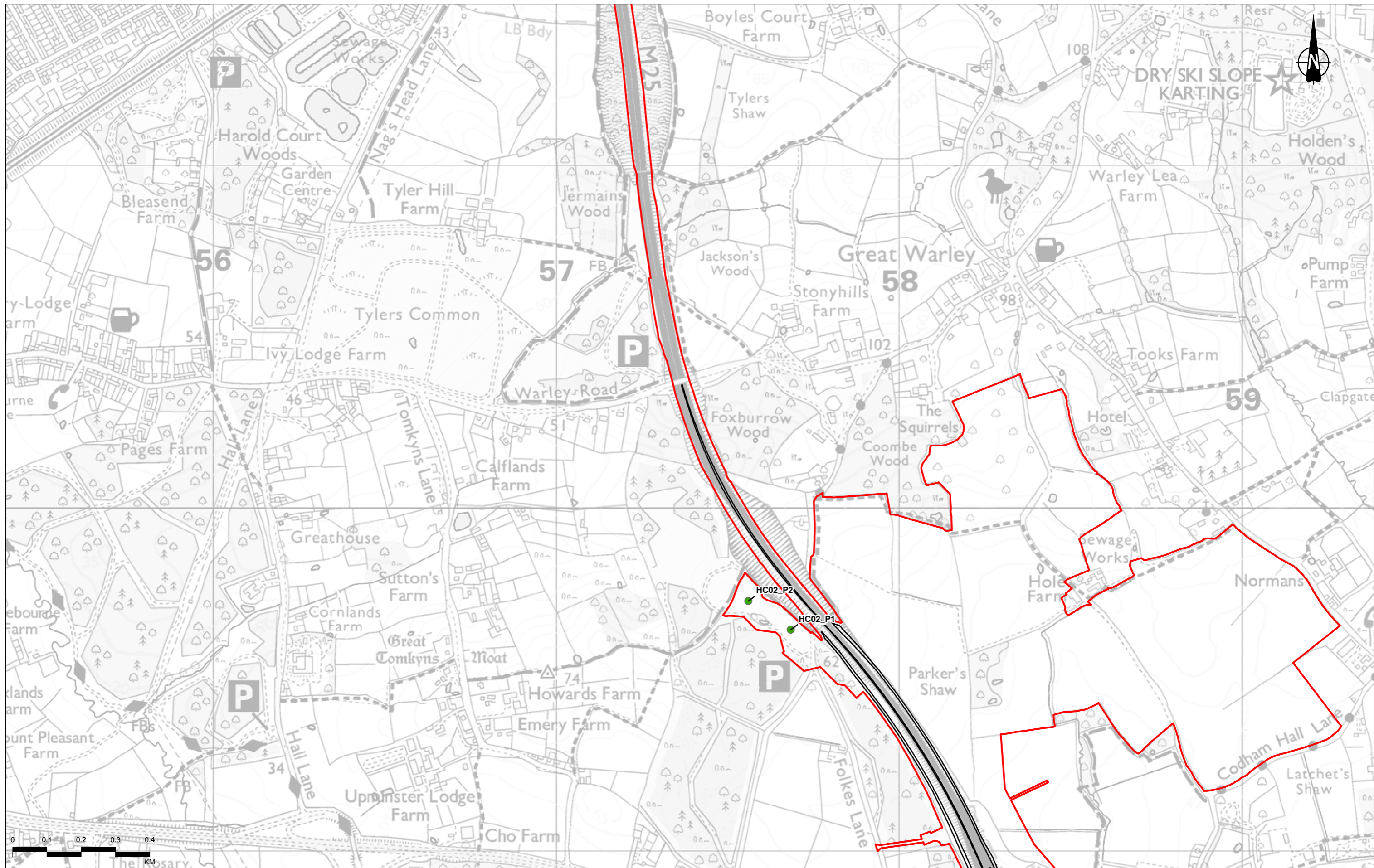
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P02	S8	19/10/2022	DCO Application	CD	HT	BF

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



Client

 Project
LOWER THAMES CROSSING

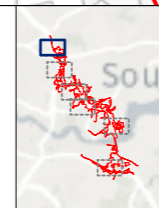
Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:10,000		
Drawing Title	Figure E5.2 Post-Development Monitoring Page 5 of 6				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60037				



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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

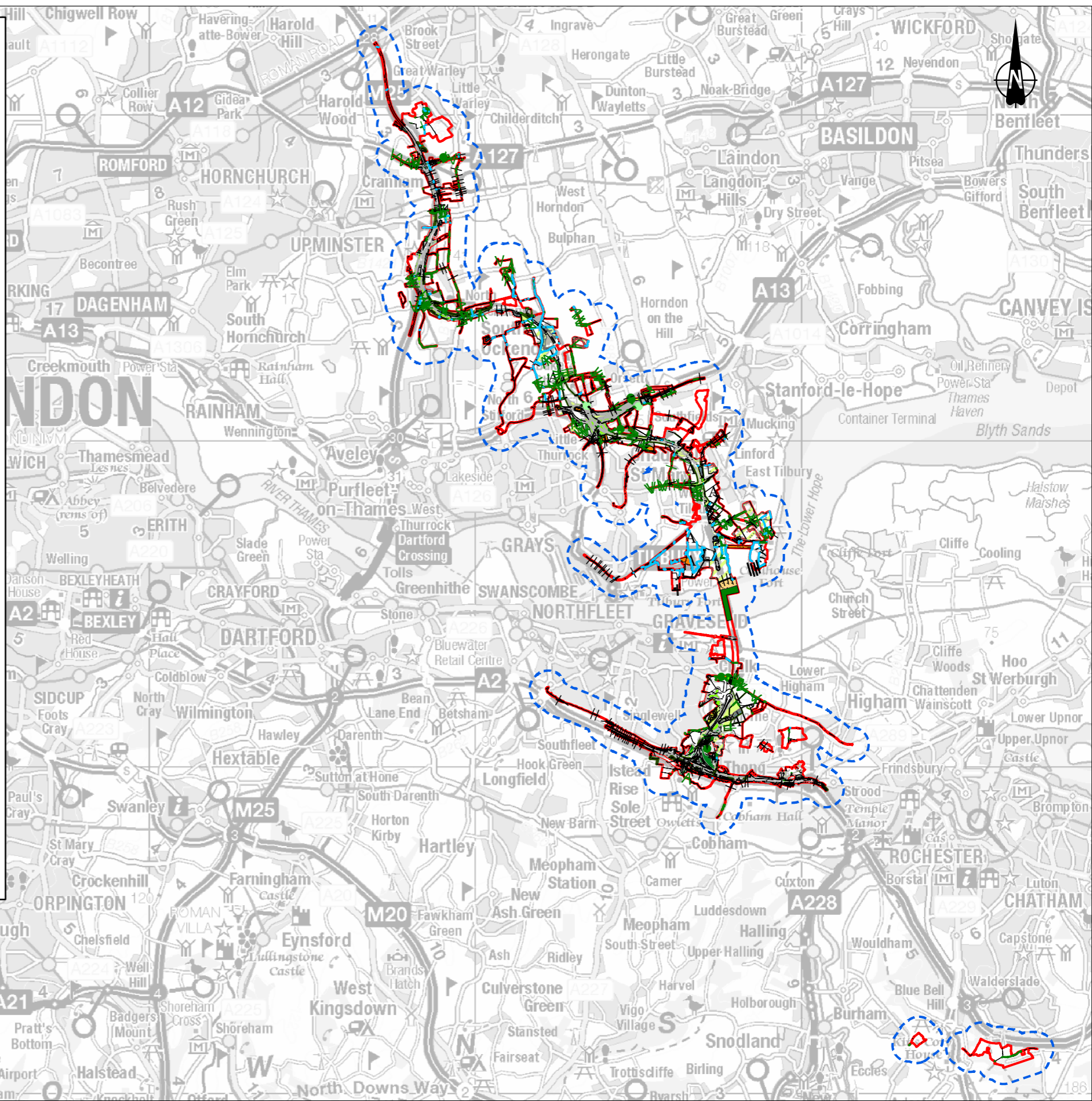


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LOWER THAMES CROSSING

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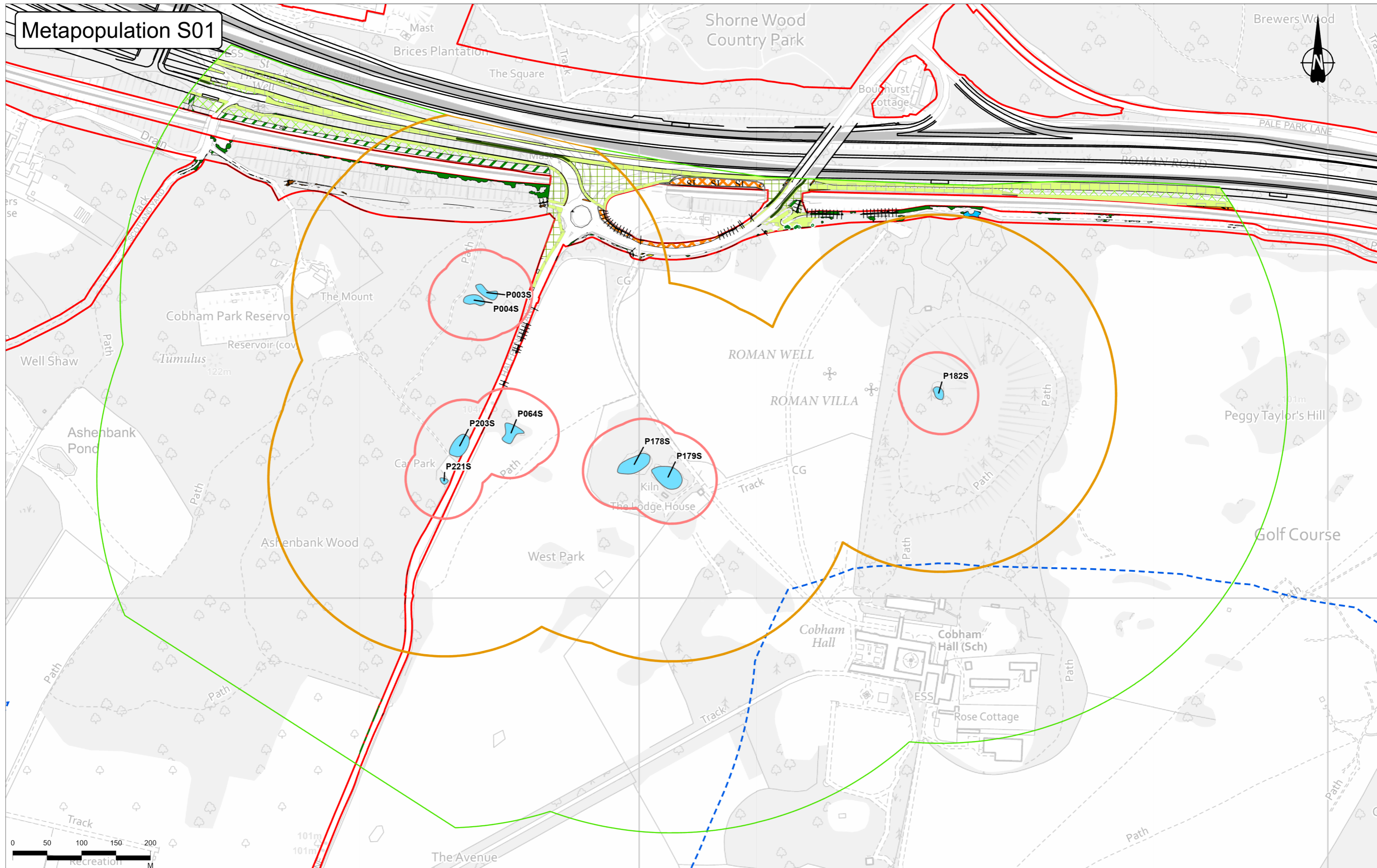
P02	S8	19/10/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprvd

Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:132,785		
Drawing Title	Figure F1 - Final Development Legend				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60038				

Metapopulation S01



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

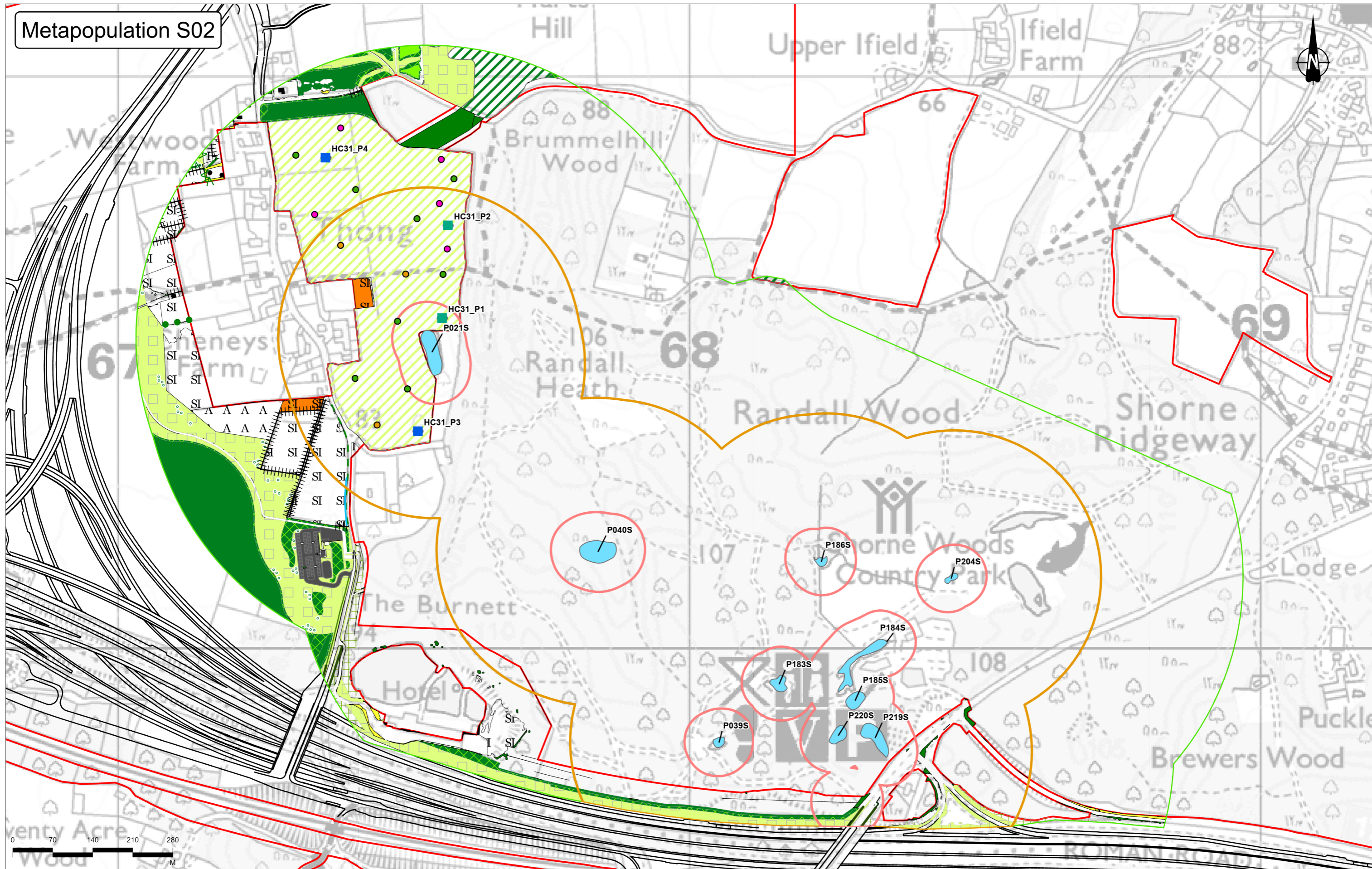
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checkd	Apprv'd
P02	S8	27/09/2022	DCO Application	CD	HT	BF

Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:5,000		
Drawing Title	Figure F1 - Final Development Metapopulation S01				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60032				

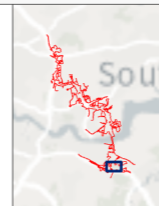
Metapopulation S02



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved
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
	Refugia
	Small hibernacula
	Large hibernacula



Client
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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 F1 - Final Development Metapopulation S02				
	Page 2 of 25				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60032				

Metapopulation S04



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

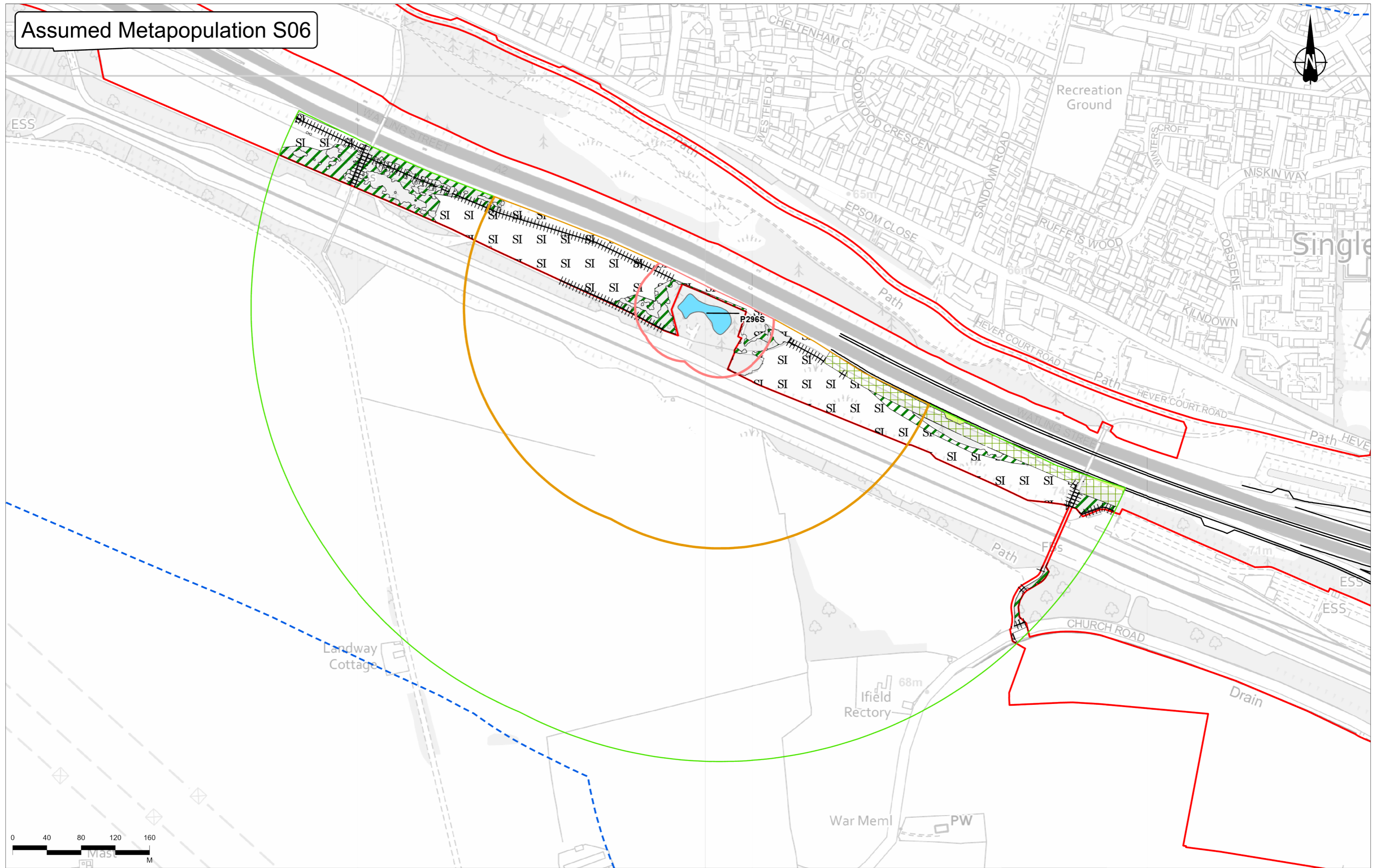
P02	S8	27/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checkd	Apprv'd

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_EGNE00000000-DR-LE-60032				

Assumed Metapopulation S06

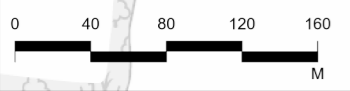
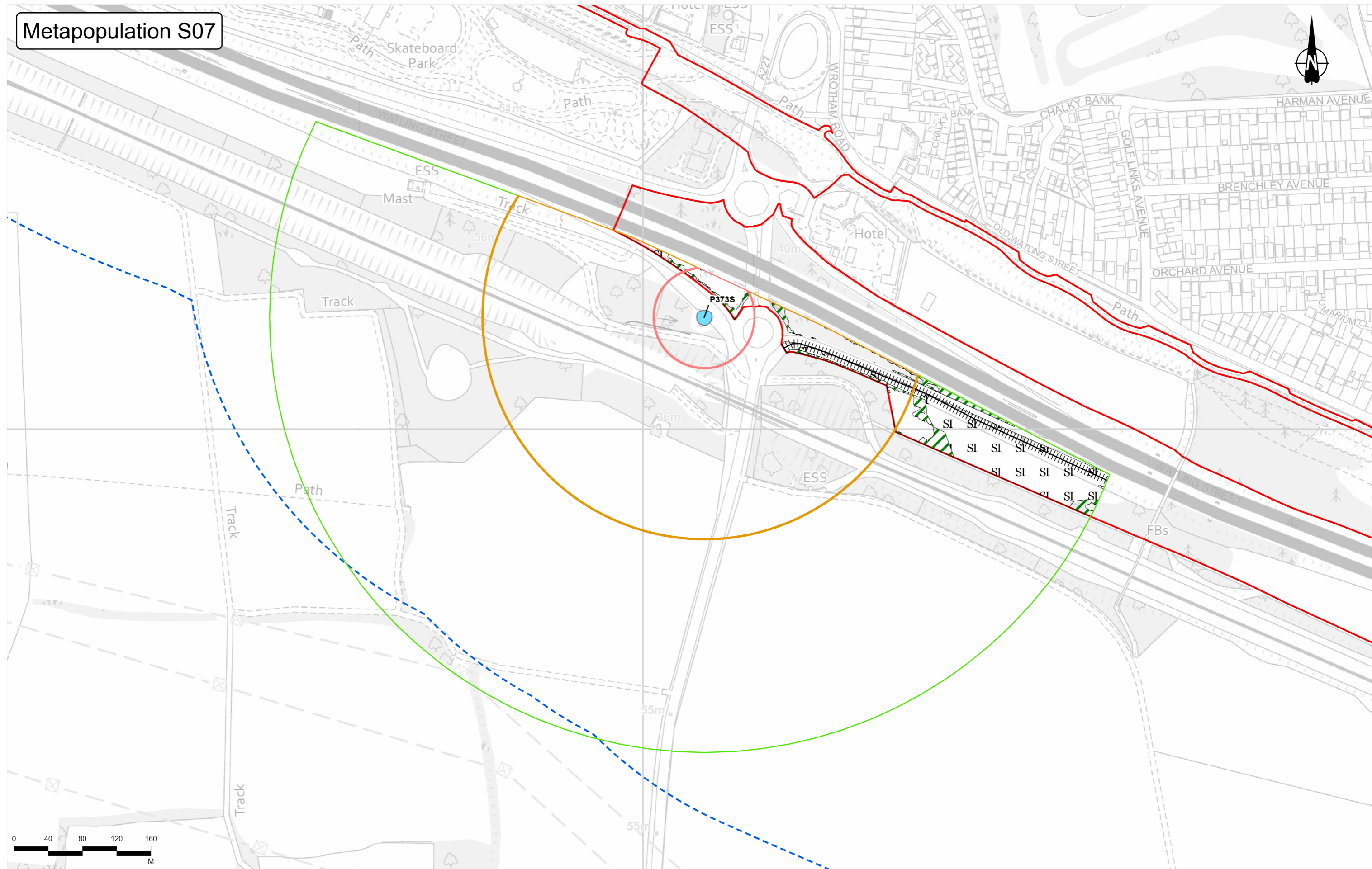


- Legend**
- ▭ Order Limits
 - ▭ Ponds
 - ▭ 250m pond buffer
 - ▭ Route Alignment
 - ▭ Pond buffers
 - ▭ 500m pond buffer
 - ▭ GCN Survey Area
 - ▭ 50m pond buffer

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

	Client	Status	DCO APPLICATION	Original Size	A3	Revision	P02
	Project	Application Document Number	TR010032/APP/6.2	Scale	1:4,000		
		Drawing Title	Figure F1 - Final Development Assumed Metapopulation S06				
LOWER THAMES CROSSING		Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60032				
		Page 4 of 25					

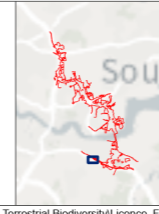
Metapopulation S07



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

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

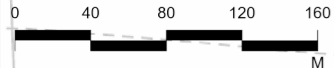
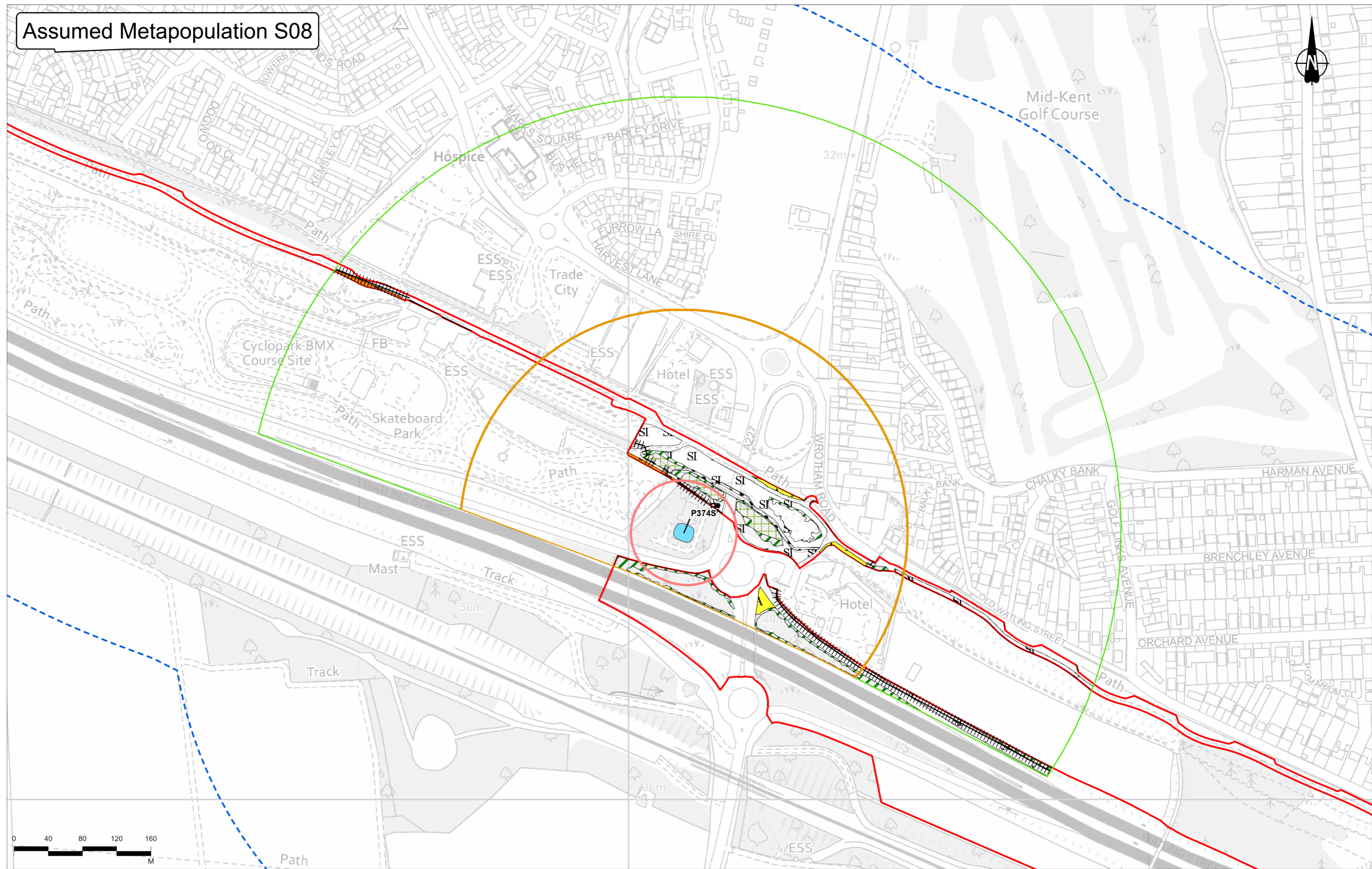


Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:4,000		
Drawing Title	Figure F1 - Final Development Metapopulation S07				
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
 - 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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national highways

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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 F1 - Final Development Assumed Metapopulation S08				
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Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60032				

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