

Lower Thames Crossing

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

(3 of 5)

APFP Regulation 5(2)(a)

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

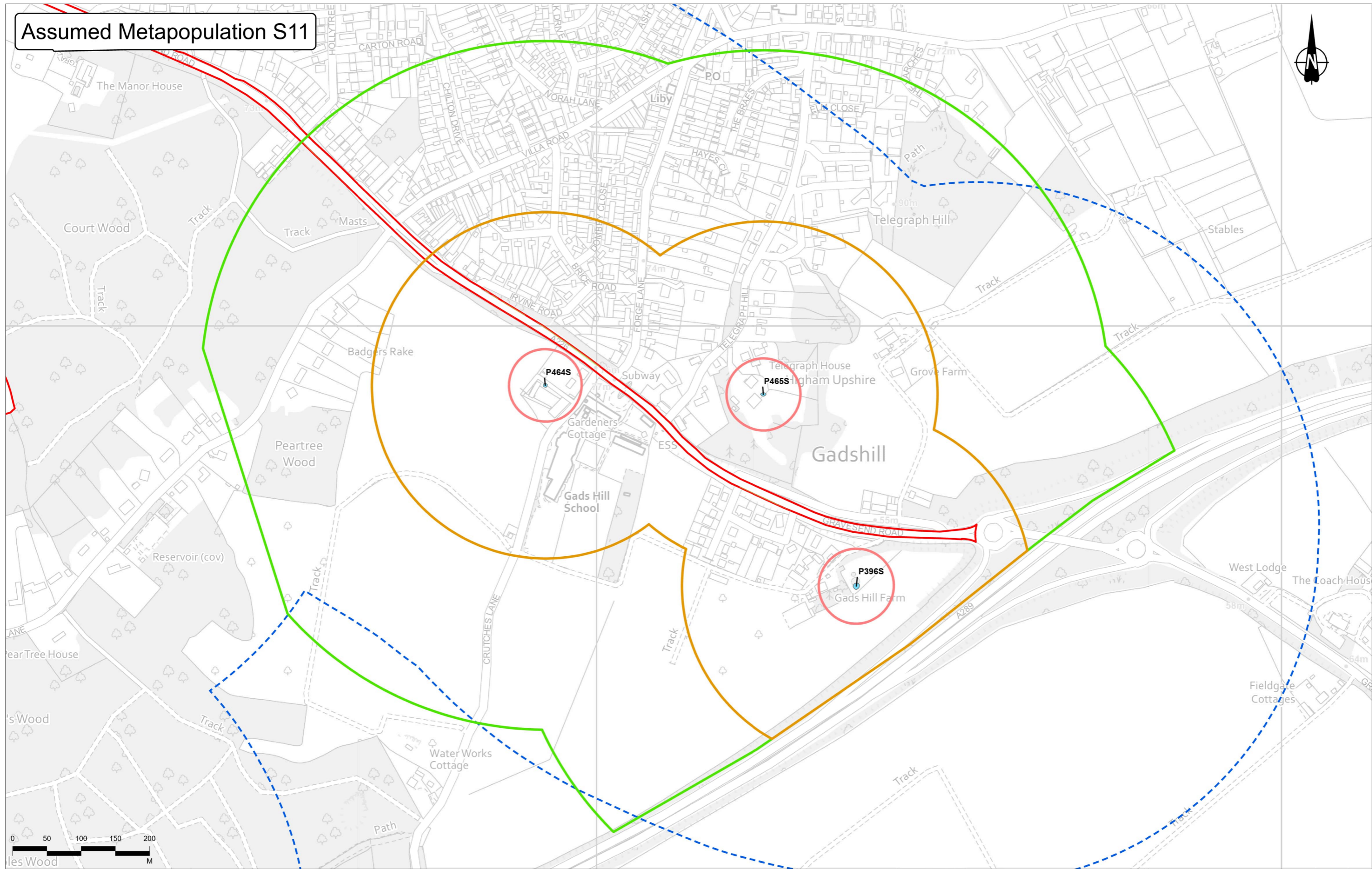
Volume 6

DATE: October 2022

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

VERSION: 1.0

Assumed Metapopulation S11



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P02	S8	23/09/2022	DCO Application	CD	HT	BF

Legend		Pond buffers		Habitat Impact Category	
	Order Limits		50m pond buffer		Permanent habitat loss (landscaping)
	Route Alignment		250m pond buffer		Permanent habitat loss (alignment)
	GCN Survey Area		500m pond buffer		Temporary habitat loss
	Ponds				
	Ponds				

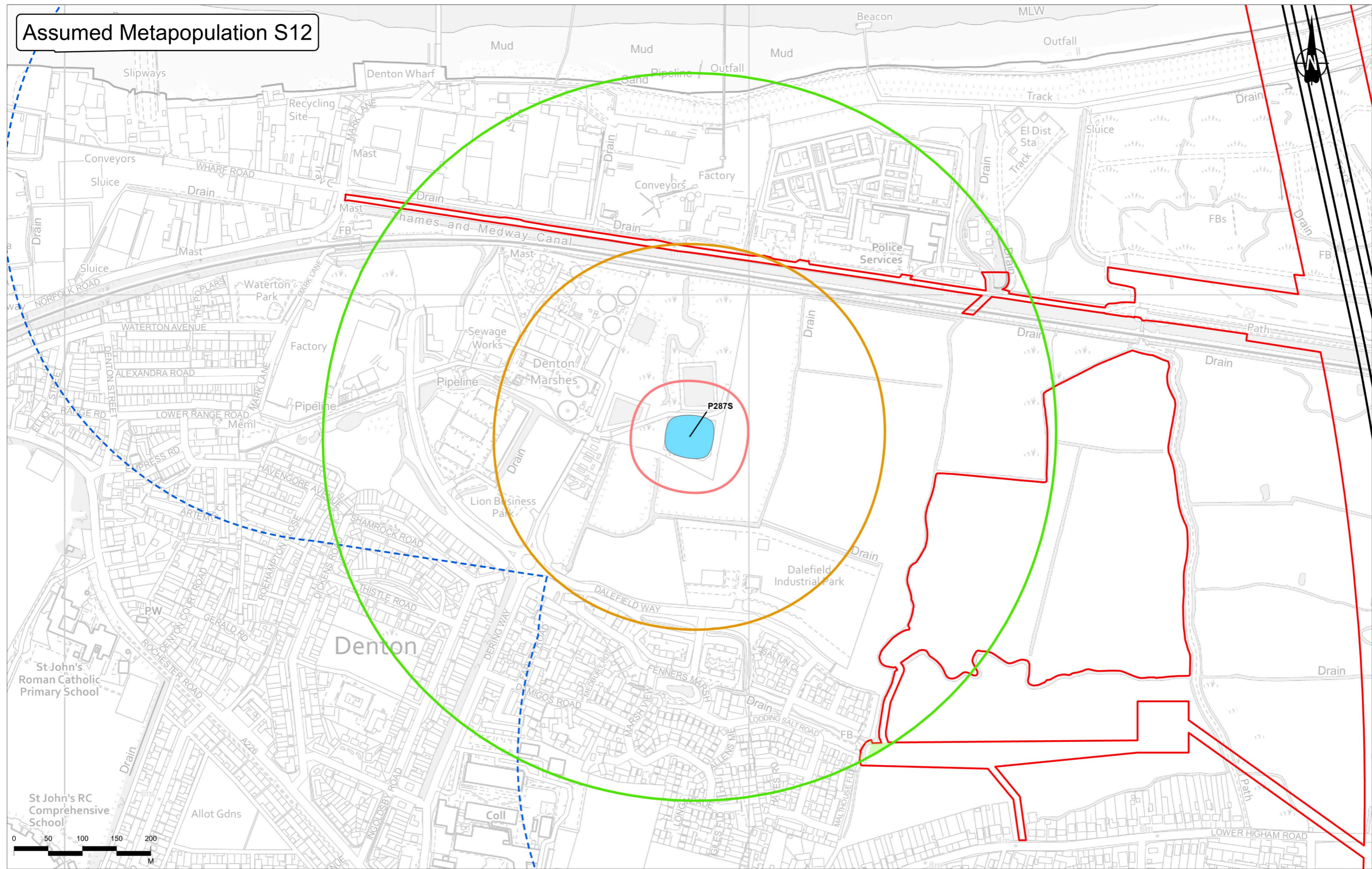


Client
national highways

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 D - Impact Map Assumed Metapopulation S11 Page 11 of 38				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60026				

Assumed Metapopulation S12



P02	S8	23/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

Legend		Pond buffers		Habitat Impact Category	
	Order Limits		50m pond buffer		Permanent habitat loss (landscaping)
	Route Alignment		250m pond buffer		Permanent habitat loss (alignment)
	GCN Survey Area		500m pond buffer		Temporary habitat loss
	Ponds				
	Ponds				

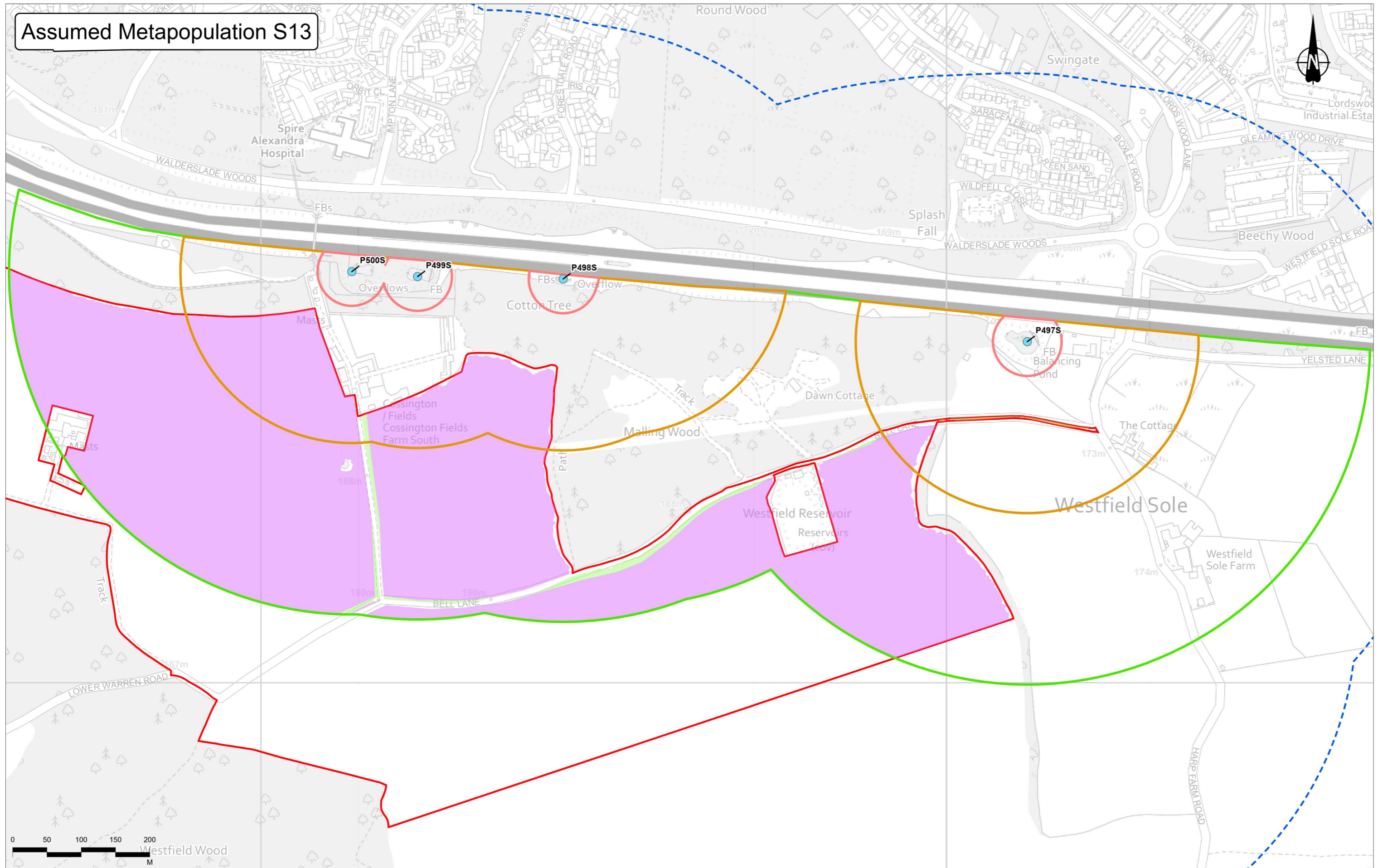
Client: **national highways**

Project: **LOWER THAMES CROSSING**

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Drawing Title	Figure D - Impact Map Assumed Metapopulation S12				
	Page 12 of 38				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60026				

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Assumed Metapopulation S13



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P02	S8	23/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

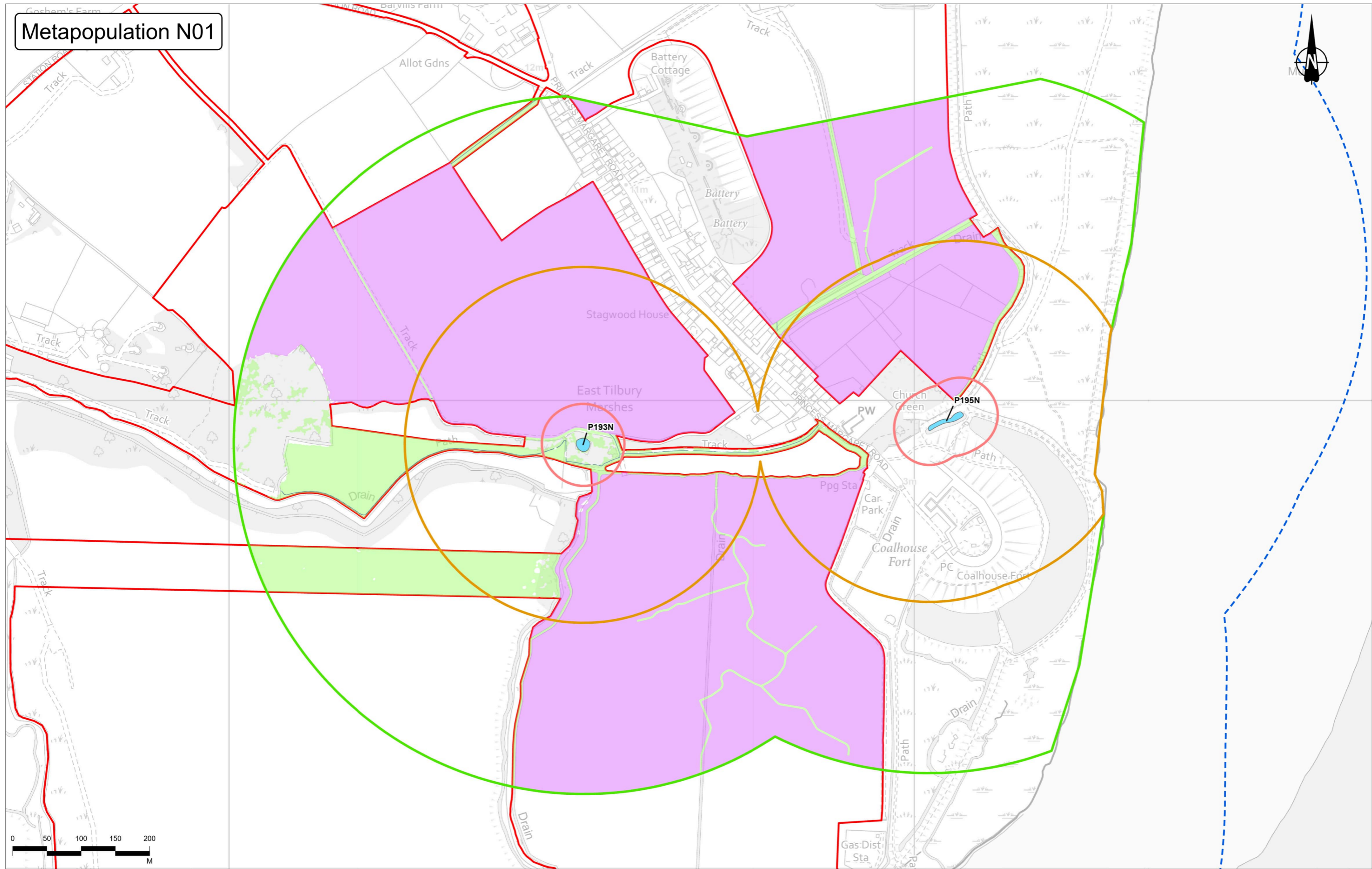
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	Route Alignment		250m pond buffer		Permanent habitat loss (alignment)
	GCN Survey Area		500m pond buffer		Temporary habitat loss
	Ponds				
	Ponds				

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		
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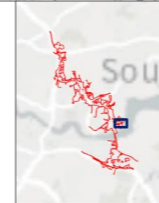
Metapopulation N01



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P02	S8	23/09/2022	DCO Application	CD	HT	BF

Legend		Pond buffers		Habitat Impact Category	
	Order Limits		50m pond buffer		Permanent habitat loss (landscaping)
	Route Alignment		250m pond buffer		Permanent habitat loss (alignment)
	GCN Survey Area		500m pond buffer		Temporary habitat loss
	Ponds				
	Ponds				

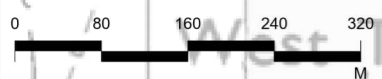
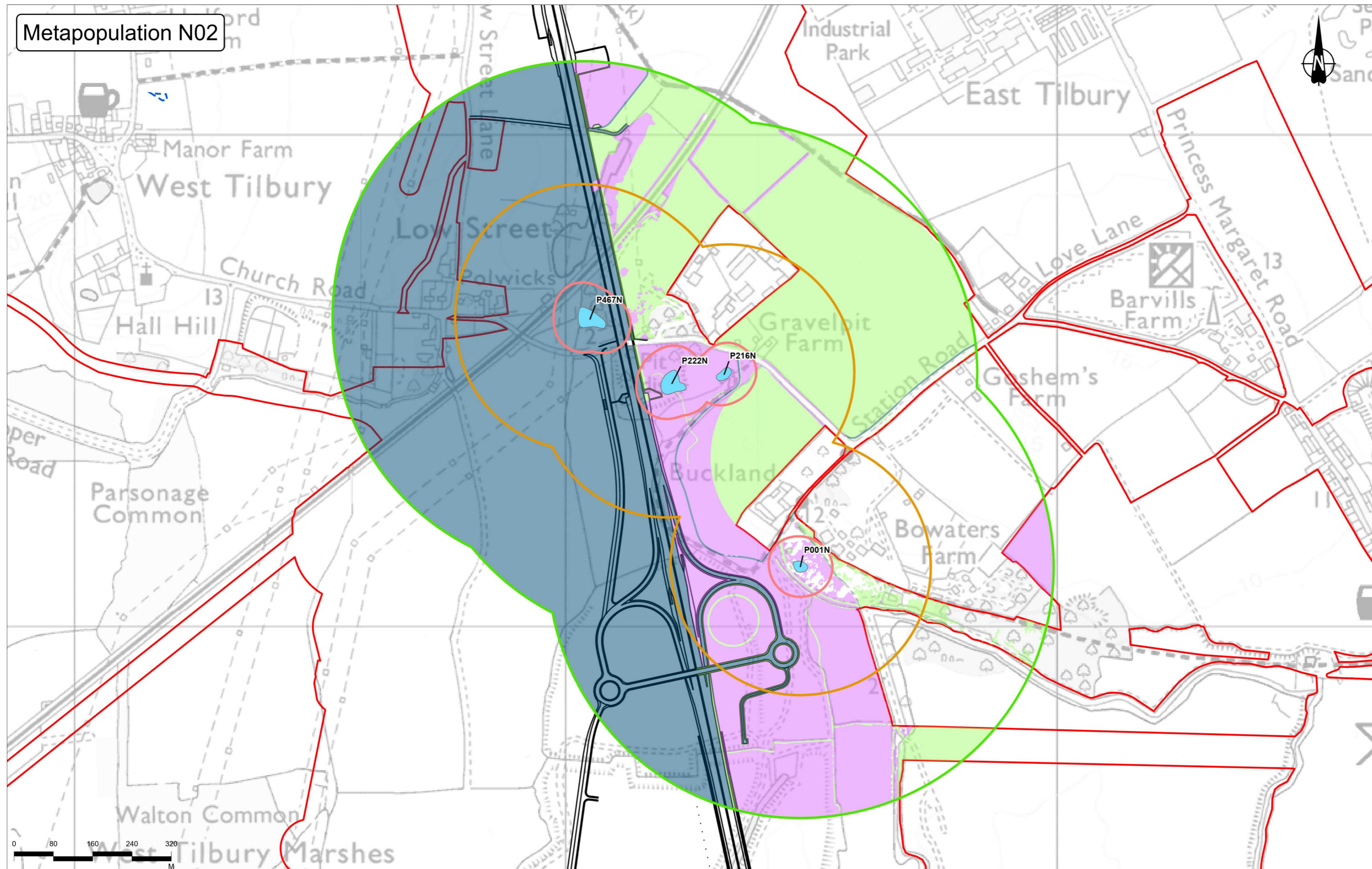


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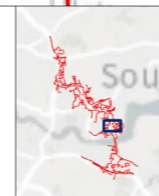
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	Route Alignment		250m pond buffer		Permanent habitat loss (alignment)
	GCN Survey Area		500m pond buffer		Temporary habitat loss
	Ponds				
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P02	S8	23/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Appr'd

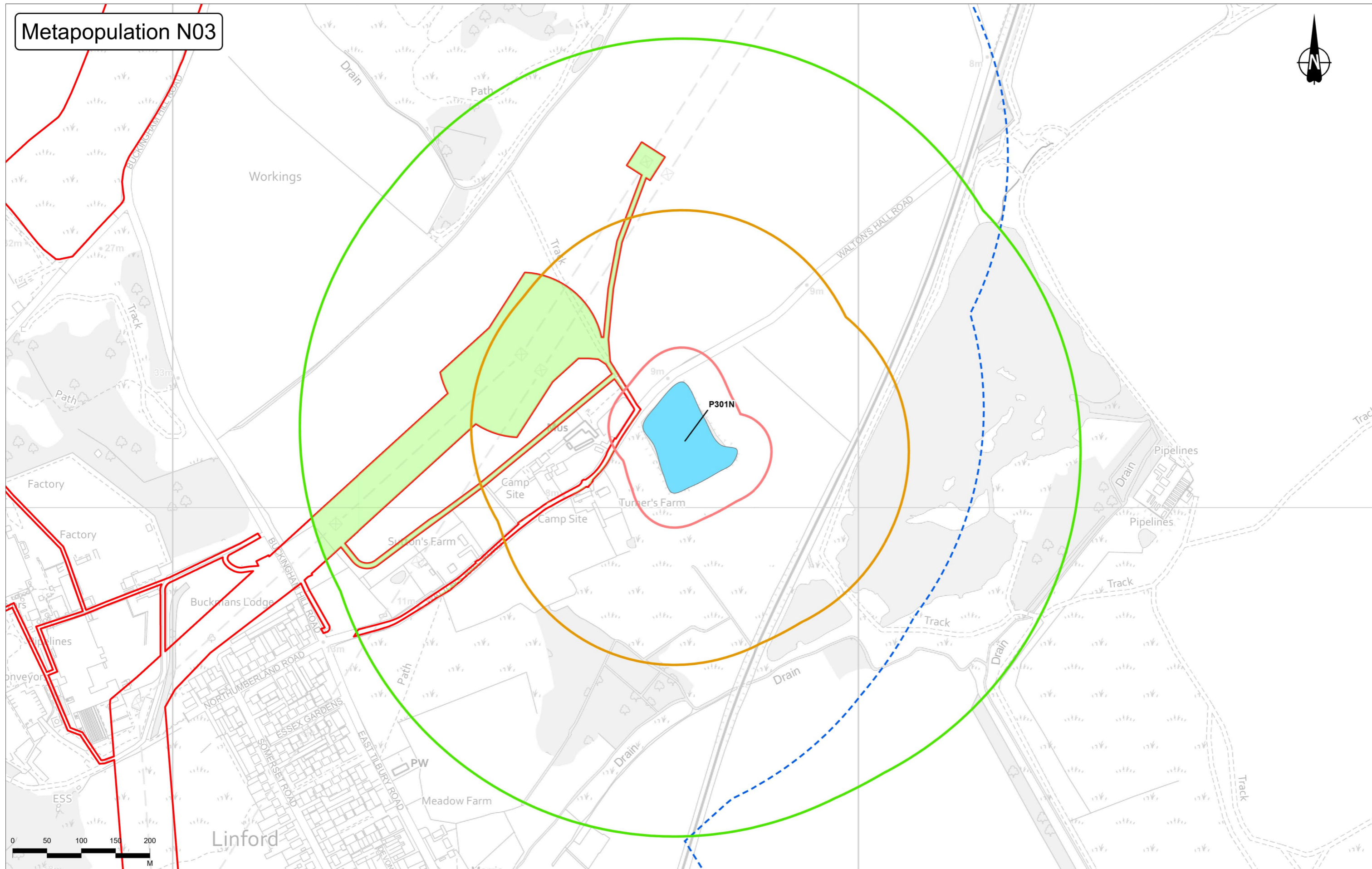


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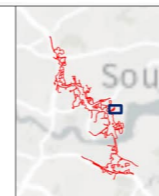
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Drawing Title	Figure D - Impact Map Metapopulation N02				
	Page 15 of 38				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60026				

Metapopulation N03



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Legend		Pond buffers		Habitat Impact Category	
	Order Limits		50m pond buffer		Permanent habitat loss (landscaping)
	Route Alignment		250m pond buffer		Permanent habitat loss (alignment)
	GCN Survey Area		500m pond buffer		Temporary habitat loss
	Ponds				
	Ponds				

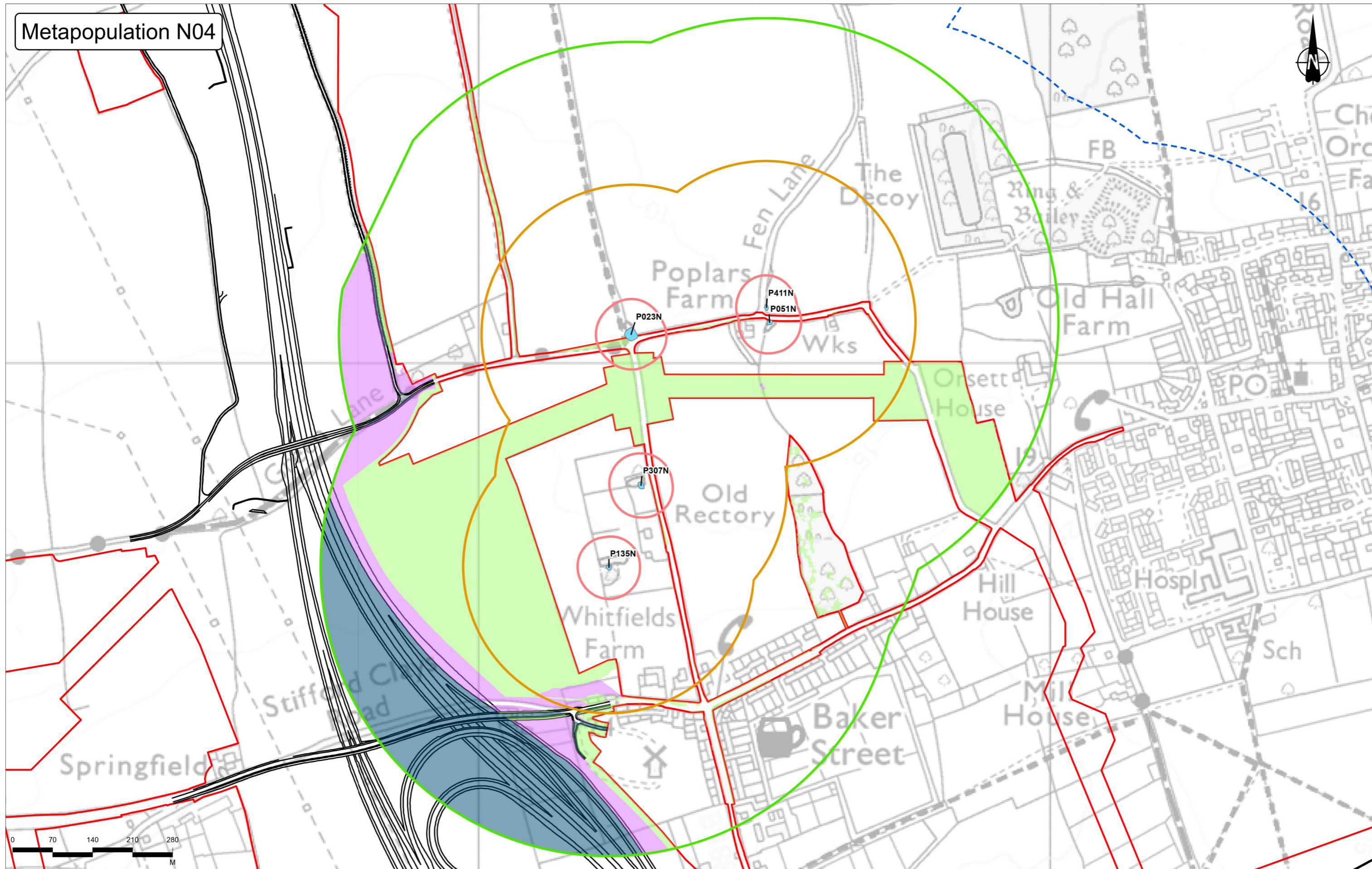


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Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60026				

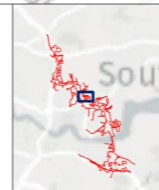
Metapopulation N04



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Legend

- | | | |
|-----------------|------------------|--------------------------------------|
| Order Limits | 50m pond buffer | Permanent habitat loss (landscaping) |
| Route Alignment | 250m pond buffer | Permanent habitat loss (alignment) |
| GCN Survey Area | 500m pond buffer | Temporary habitat loss |
| Ponds | | |
| Ponds | | |



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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 D - Impact Map Metapopulation N04				
	Page 17 of 38				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60026				

P02	S8	23/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

Metapopulation N05



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P02	S8	23/09/2022	DCO Application	CD	HT	BF

Legend	
Order Limits	Permanent habitat loss (landscaping)
Route Alignment	Permanent habitat loss (alignment)
GCN Survey Area	Temporary habitat loss
Ponds	50m pond buffer
Ponds	250m pond buffer
	500m pond buffer

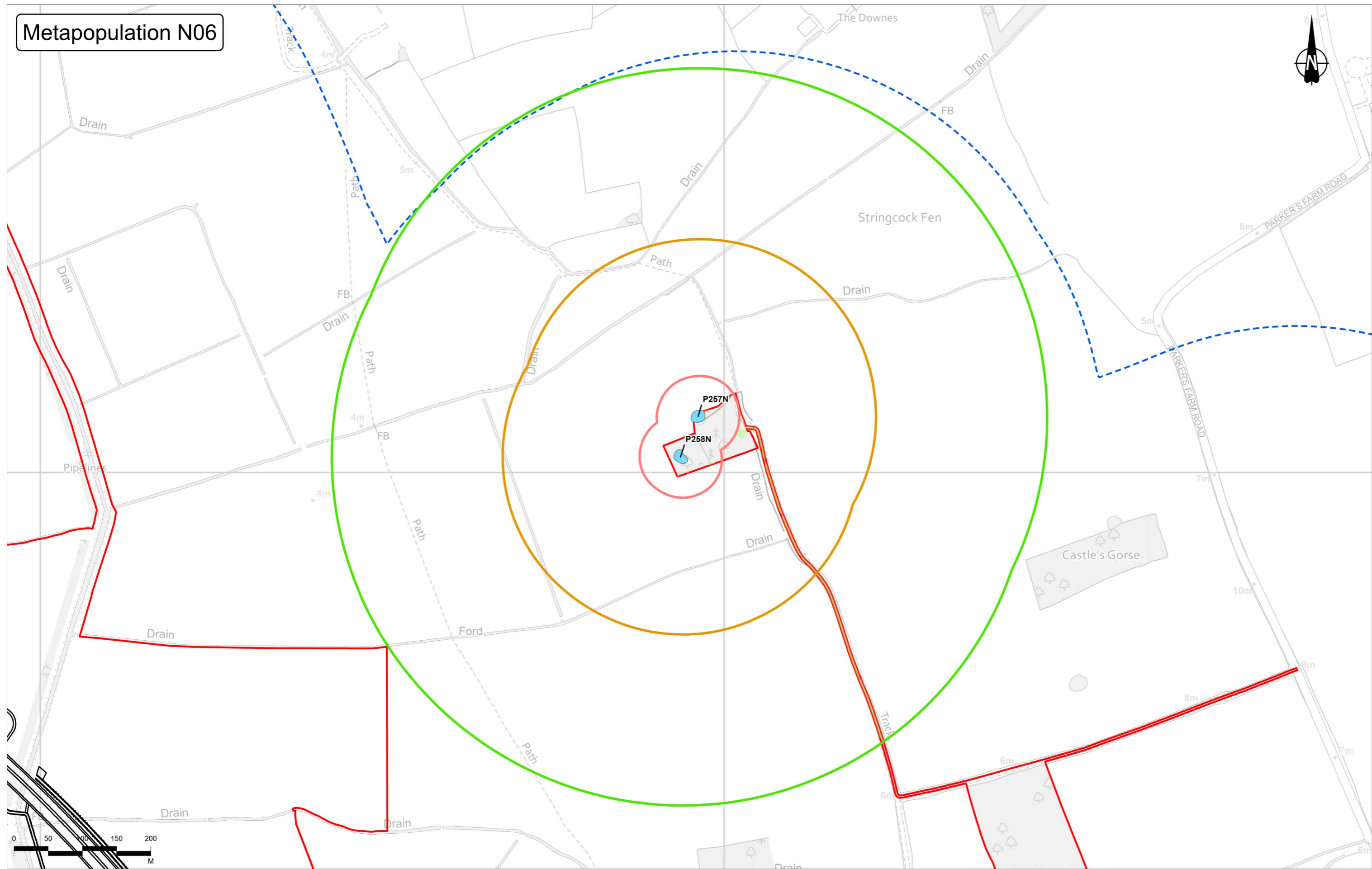
Habitat Impact Category	
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	Permanent habitat loss (alignment)
	Temporary habitat loss

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 D - Impact Map Metapopulation N05 Page 18 of 38				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60026				

Metapopulation N06

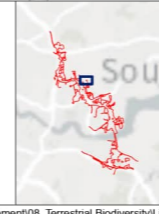


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P02	S8	23/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprvd

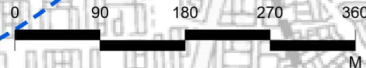
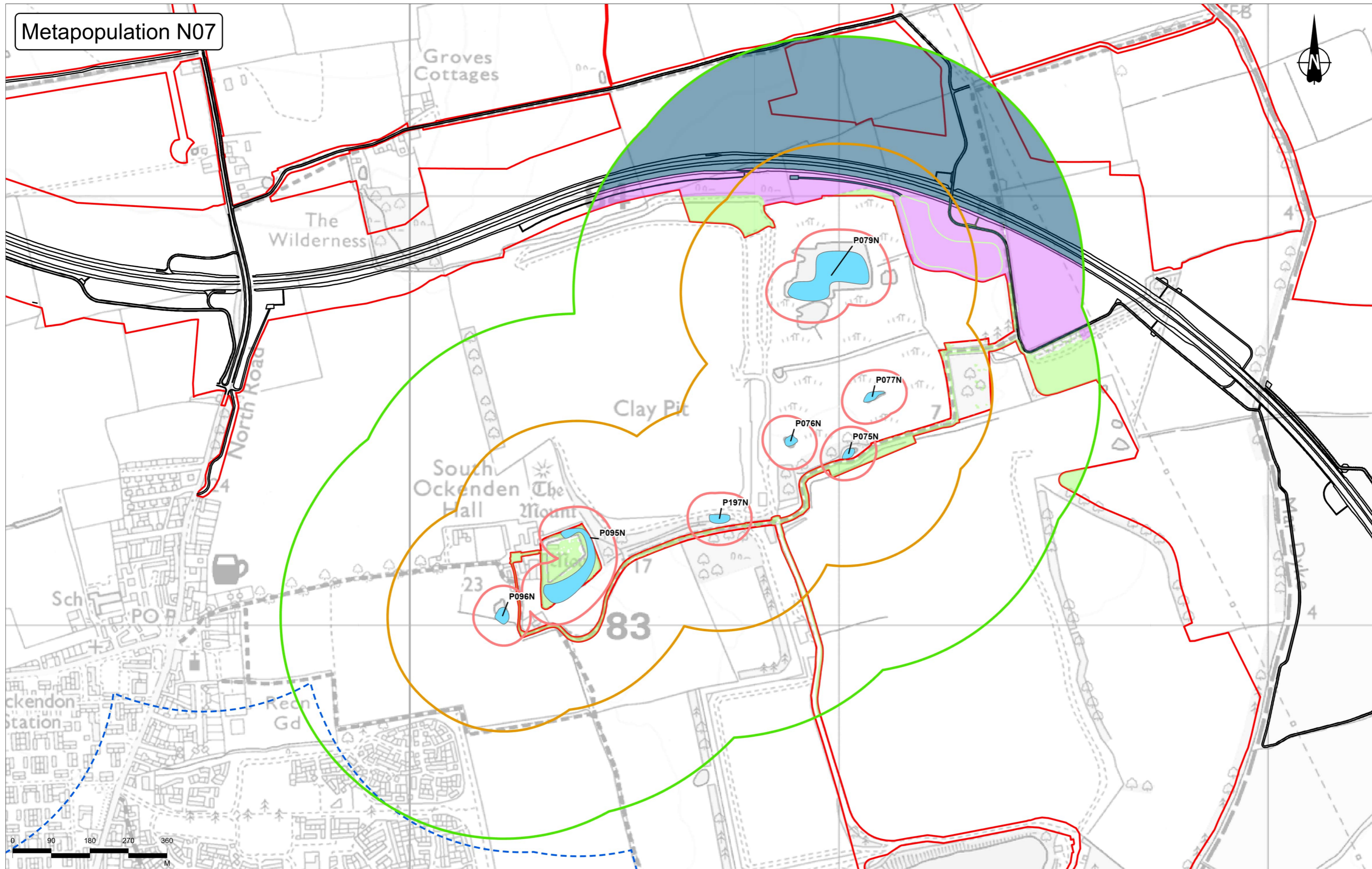
Legend	
Order Limits	50m pond buffer
Route Alignment	250m pond buffer
GCN Survey Area	500m pond buffer
Ponds	Permanent habitat loss (landscaping)
Ponds	Permanent habitat loss (alignment)
	Temporary habitat loss

Client			Status	DCO APPLICATION	Original Size	A3	Revision	P02
Project			Application Document Number	TR010032/APP/6.2	Scale	1:5,000		
		Drawing Title	Figure D - Impact Map Metapopulation N06					
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		Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60026					



LOWER THAMES CROSSING

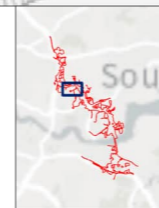
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Appr'd
P02	S8	23/09/2022	DCO Application	CD	HT	BF

Legend	
Order Limits	50m pond buffer
Route Alignment	250m pond buffer
GCN Survey Area	500m pond buffer
Ponds	Permanent habitat loss (landscaping)
Ponds	Permanent habitat loss (alignment)
	Temporary habitat loss



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Project
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Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:8,000		
Drawing Title	Figure D - Impact Map Metapopulation N07				
	Page 20 of 38				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60026				

Metapopulation N08



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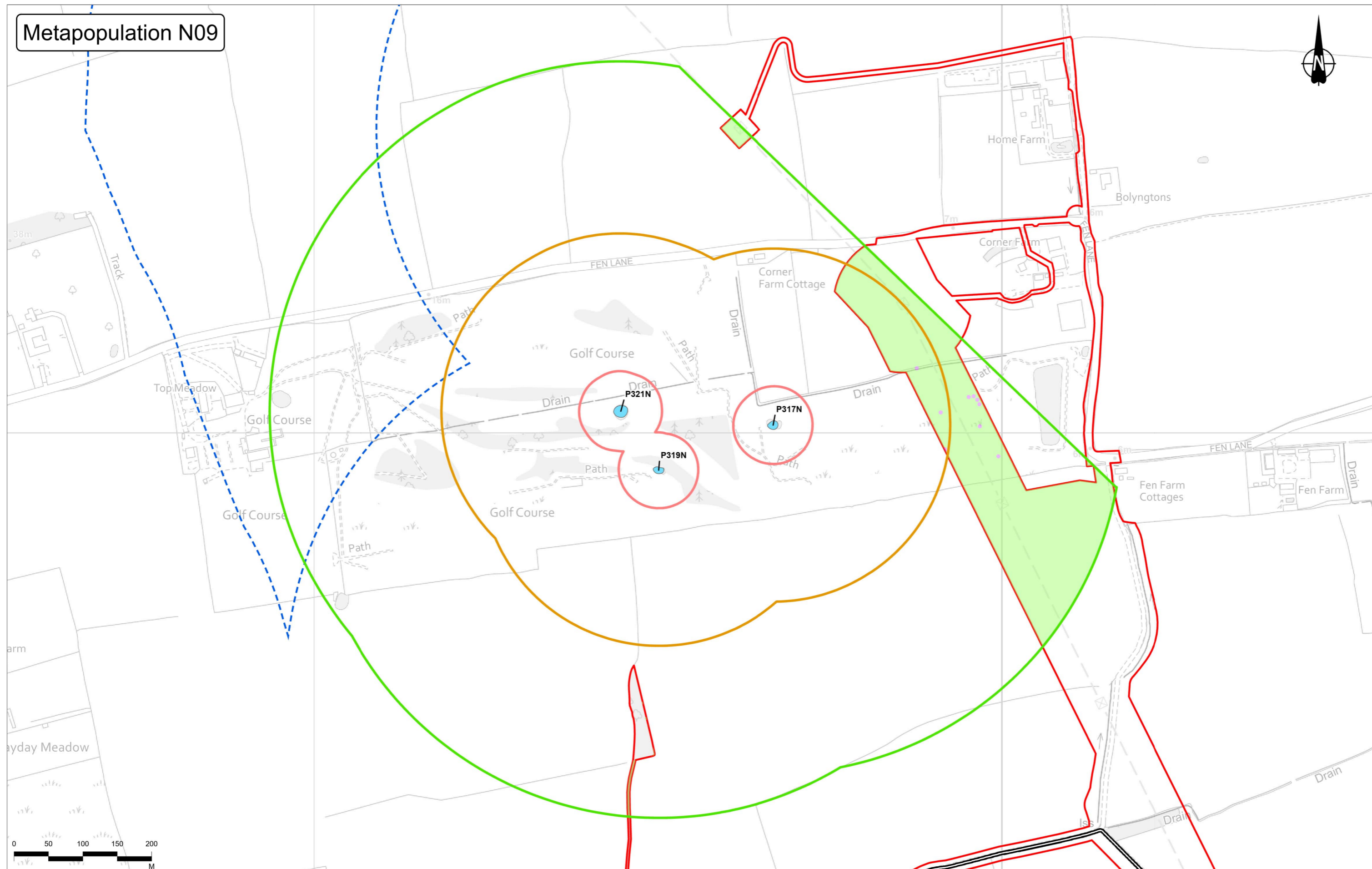
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	Order Limits		50m pond buffer		Permanent habitat loss (landscaping)
	Route Alignment		250m pond buffer		Permanent habitat loss (alignment)
	GCN Survey Area		500m pond buffer		Temporary habitat loss
	Ponds				
	Ponds				

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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		
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	Page 21 of 38				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60026				

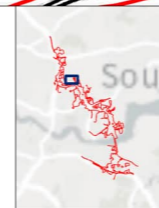
Metapopulation N09



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprvd
P02	S8	23/09/2022	DCO Application	CD	HT	BF

Legend	
Order Limits	50m pond buffer
Route Alignment	250m pond buffer
GCN Survey Area	500m pond buffer
Ponds	Permanent habitat loss (landscaping)
Ponds	Permanent habitat loss (alignment)
	Temporary habitat loss

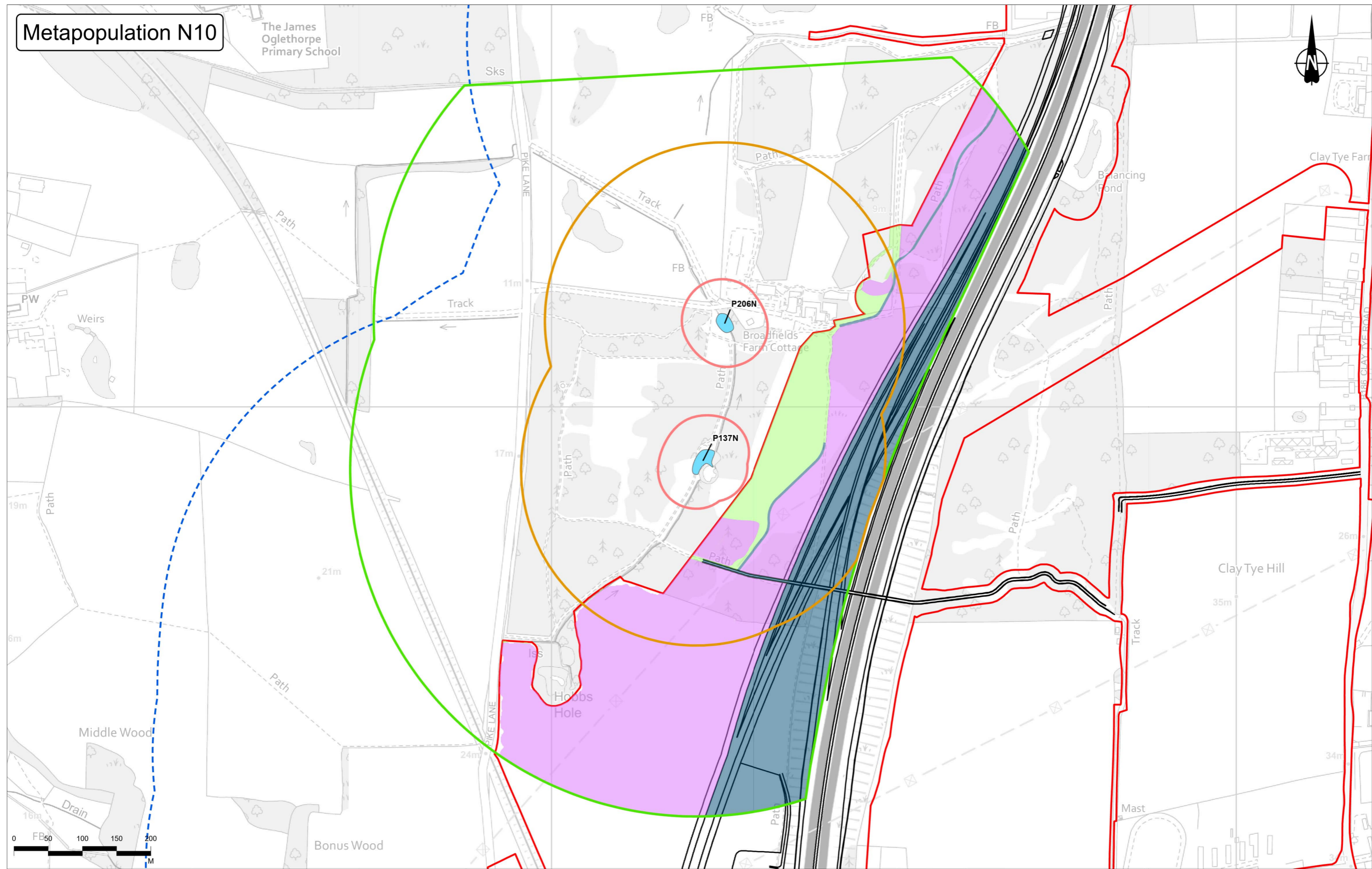


Client
national highways

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 D - Impact Map Metapopulation N09 Page 22 of 38				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60026				

Metapopulation N10



Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
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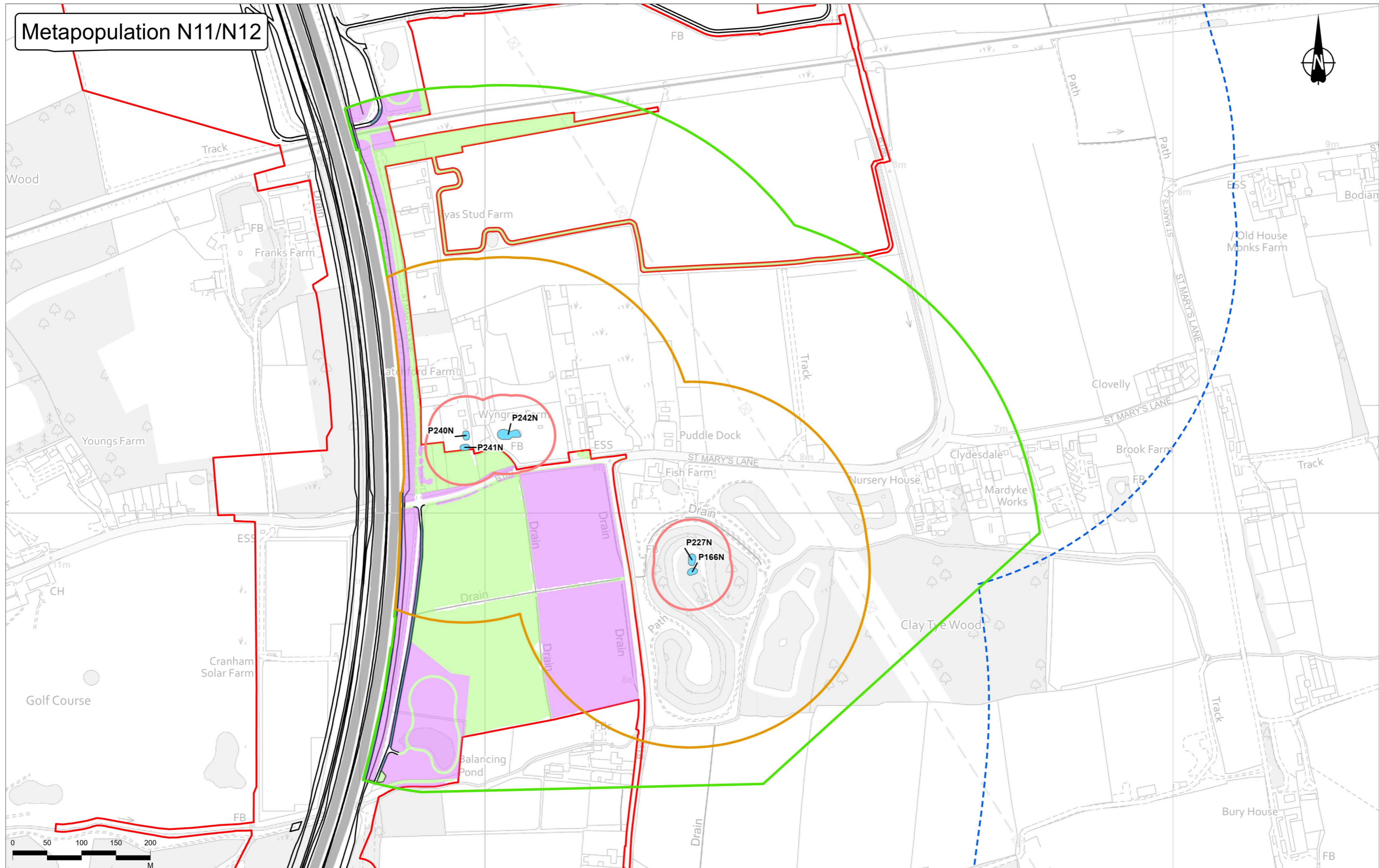
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	Route Alignment		250m pond buffer		Permanent habitat loss (alignment)
	GCN Survey Area		500m pond buffer		Temporary habitat loss
	Ponds				
	Ponds				

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 D - Impact Map Metapopulation N10					
	Page 23 of 38					
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60026					

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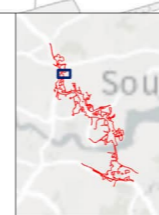
Metapopulation N11/N12



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P02	S8	23/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

Legend		Pond buffers		Habitat Impact Category	
	Order Limits		50m pond buffer		Permanent habitat loss (landscaping)
	Route Alignment		250m pond buffer		Permanent habitat loss (alignment)
	GCN Survey Area		500m pond buffer		Temporary habitat loss
	Ponds				
	Ponds				



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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		
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Metapopulation N13

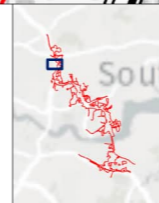


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Legend

- | | | |
|-----------------|------------------|--------------------------------------|
| Order Limits | 50m pond buffer | Permanent habitat loss (landscaping) |
| Route Alignment | 250m pond buffer | Permanent habitat loss (alignment) |
| GCN Survey Area | 500m pond buffer | Temporary habitat loss |
| Ponds | | |
| Ponds | | |

P02	S8	23/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

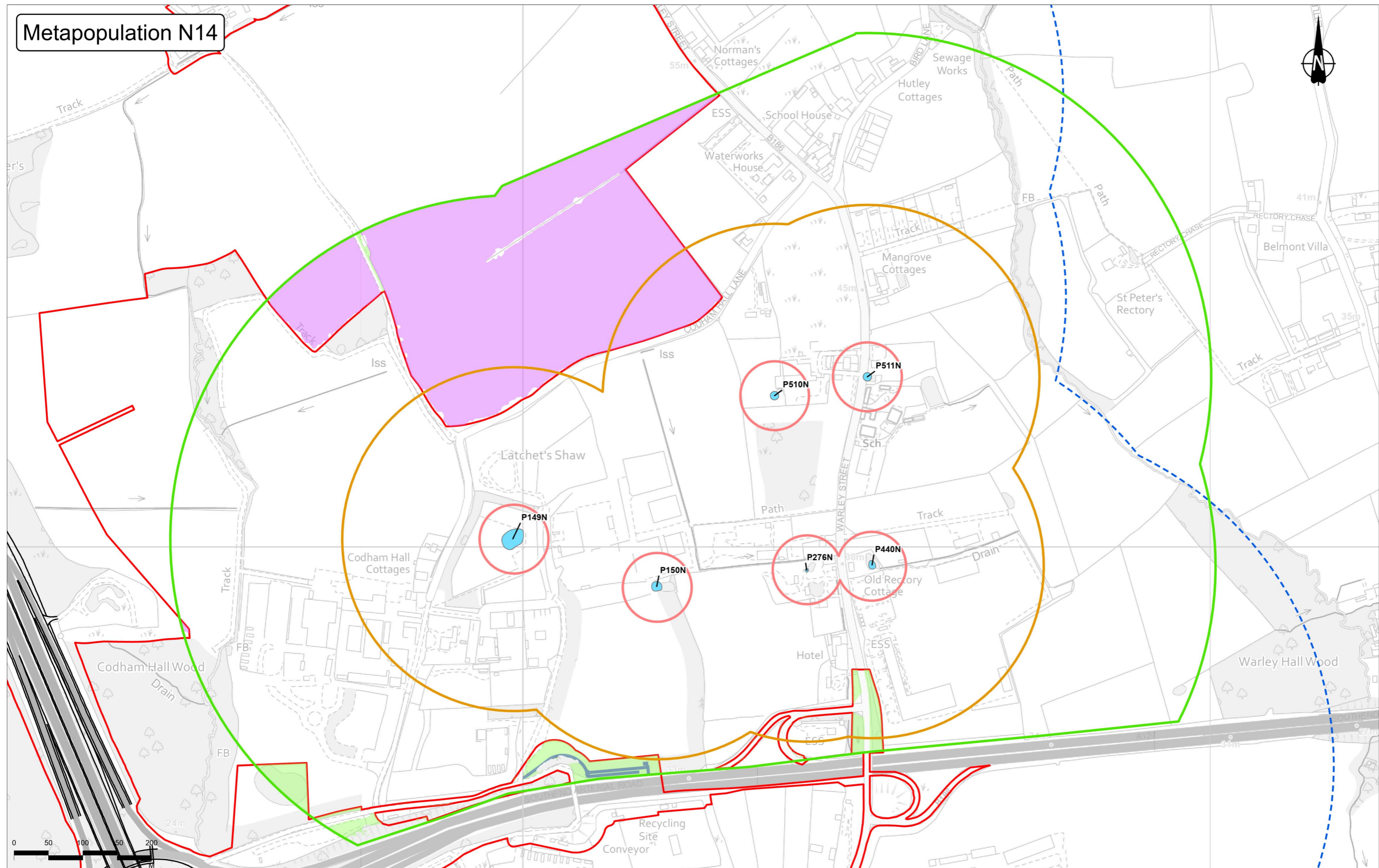


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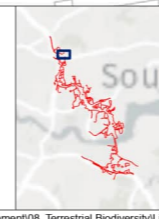
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	Page 25 of 38				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60026				

Metapopulation N14



Legend

- | | | |
|-----------------|------------------|--------------------------------------|
| Order Limits | 50m pond buffer | Permanent habitat loss (landscaping) |
| Route Alignment | 250m pond buffer | Permanent habitat loss (alignment) |
| GCN Survey Area | 500m pond buffer | Temporary habitat loss |
| Ponds | | |
| Ponds | | |



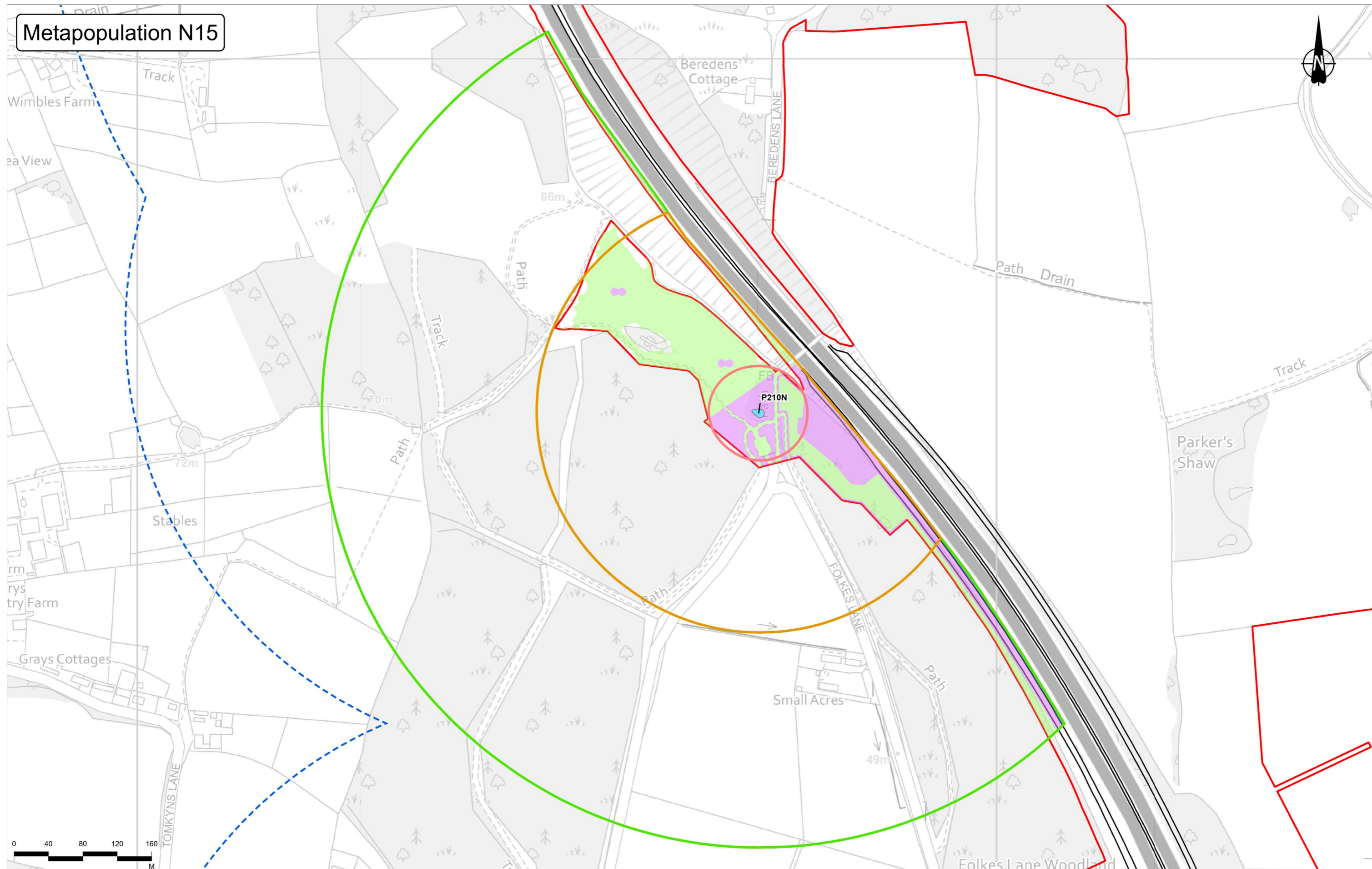
Client
national highways

Project
LOWER THAMES CROSSING

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Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60026				

P02	S8	23/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

Metapopulation N15



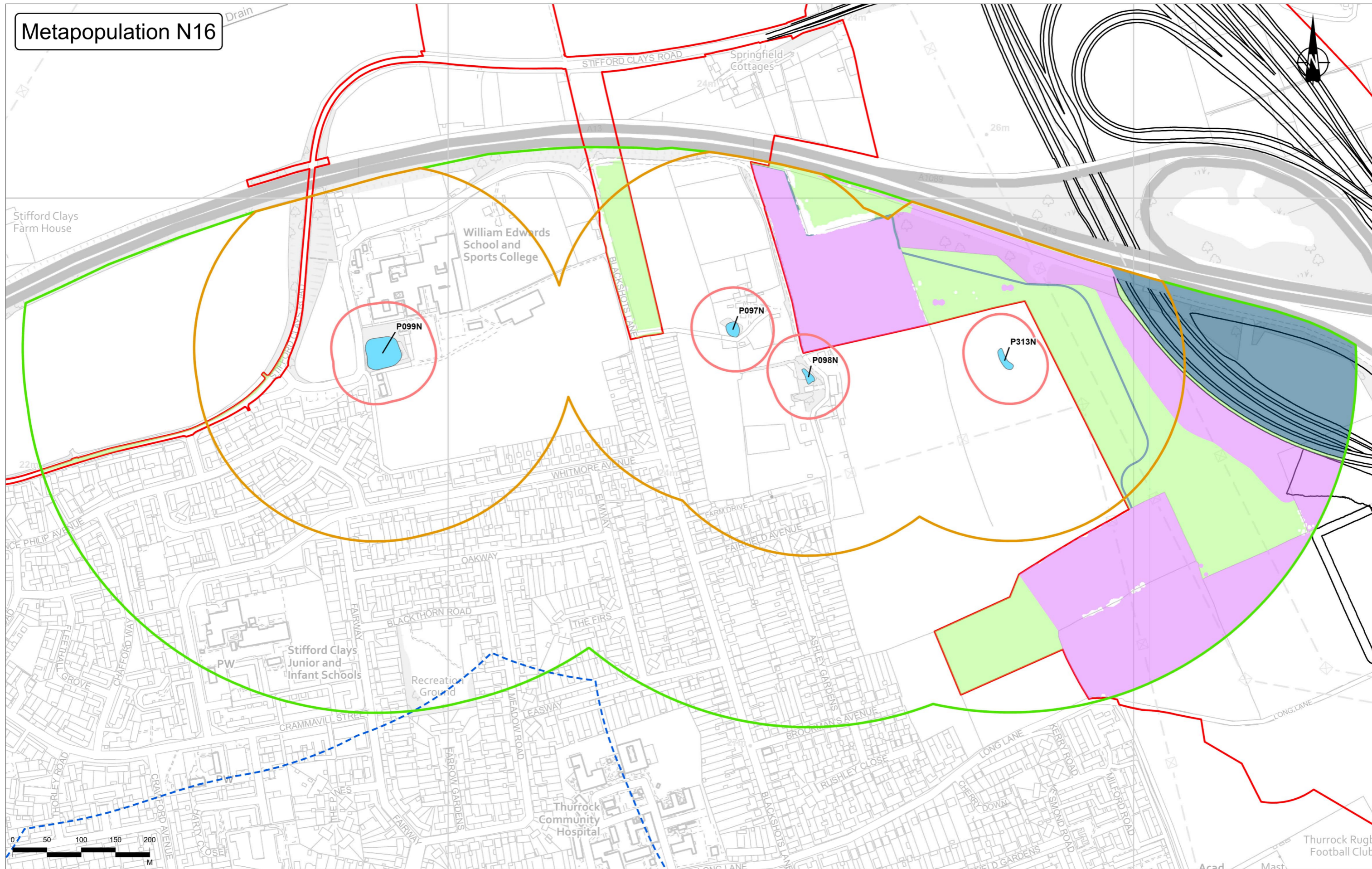
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- Order Limits
 - Route Alignment
 - GCN Survey Area
 - Ponds
 - Ponds
- Pond buffers**
- 50m pond buffer
 - 250m pond buffer
 - 500m pond buffer
- Habitat Impact Category**
- Permanent habitat loss (landscaping)
 - Permanent habitat loss (alignment)
 - Temporary habitat loss

P02	S8	23/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

	Client	DCO APPLICATION	Original Size	A3	Revision	P02
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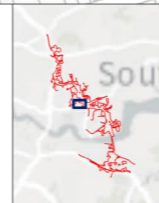
Metapopulation N16



Legend

- | | | |
|-----------------|------------------|--------------------------------------|
| Order Limits | 50m pond buffer | Permanent habitat loss (landscaping) |
| Route Alignment | 250m pond buffer | Permanent habitat loss (alignment) |
| GCN Survey Area | 500m pond buffer | Temporary habitat loss |
| Ponds | | |
| Ponds | | |

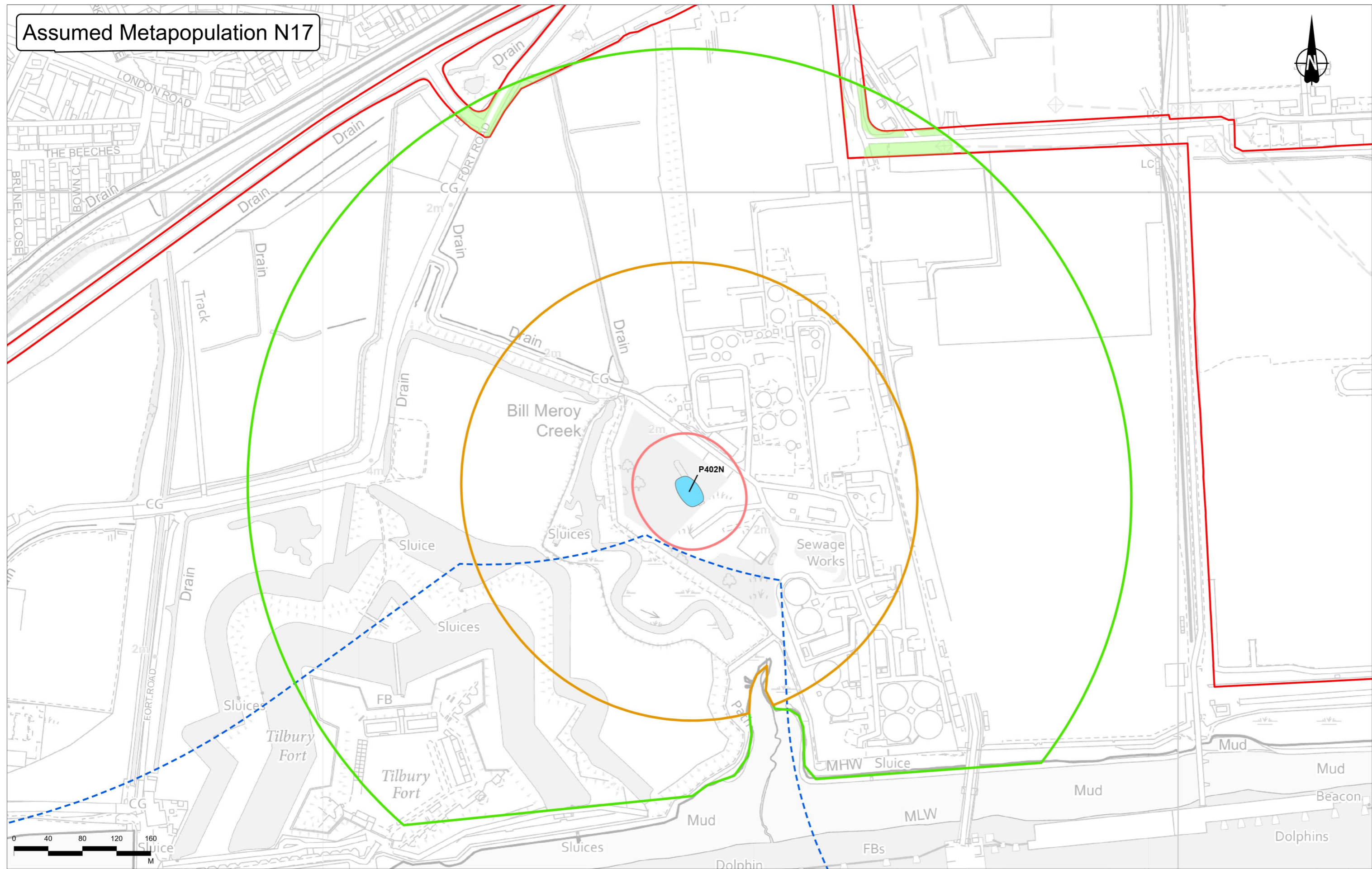
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprvd



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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	Page 28 of 38				
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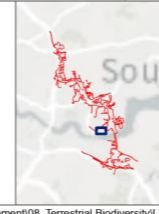
Assumed Metapopulation N17



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P02	S8	23/09/2022	DCO Application	CD	HT	BF

Legend		Pond buffers		Habitat Impact Category	
	Order Limits		50m pond buffer		Permanent habitat loss (landscaping)
	Route Alignment		250m pond buffer		Permanent habitat loss (alignment)
	GCN Survey Area		500m pond buffer		Temporary habitat loss
	Ponds				
	Ponds				

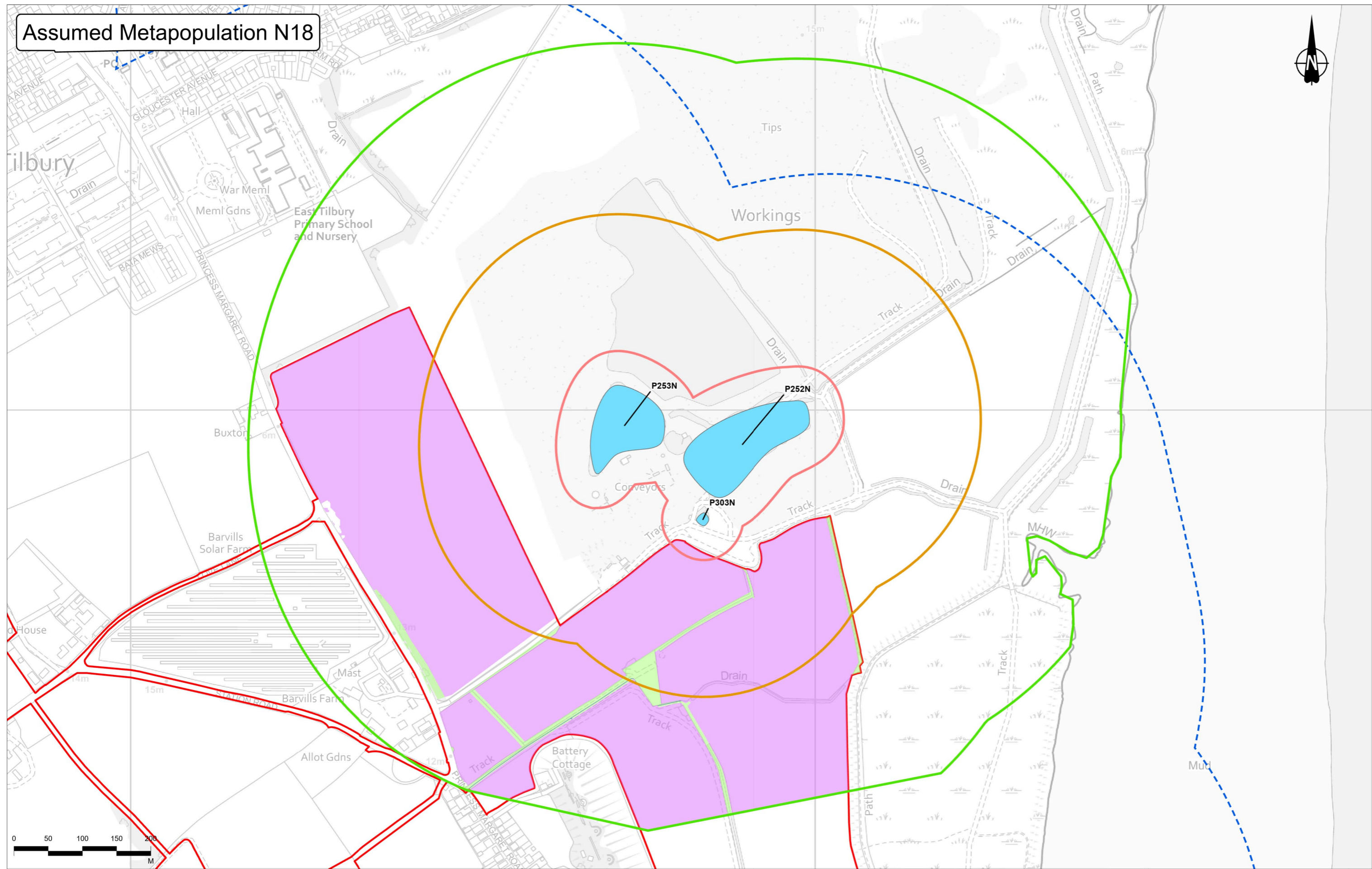


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LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:4,000		
Drawing Title	Figure D - Impact Map Assumed Metapopulation N17 Page 29 of 38				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60026				

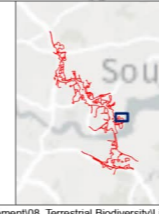
Assumed Metapopulation N18



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprvd
P02	S8	23/09/2022	DCO Application	CD	HT	BF

Legend	
	Order Limits
	Route Alignment
	GCN Survey Area
	Ponds
	Ponds
	50m pond buffer
	250m pond buffer
	500m pond buffer
	Permanent habitat loss (landscaping)
	Permanent habitat loss (alignment)
	Temporary habitat loss

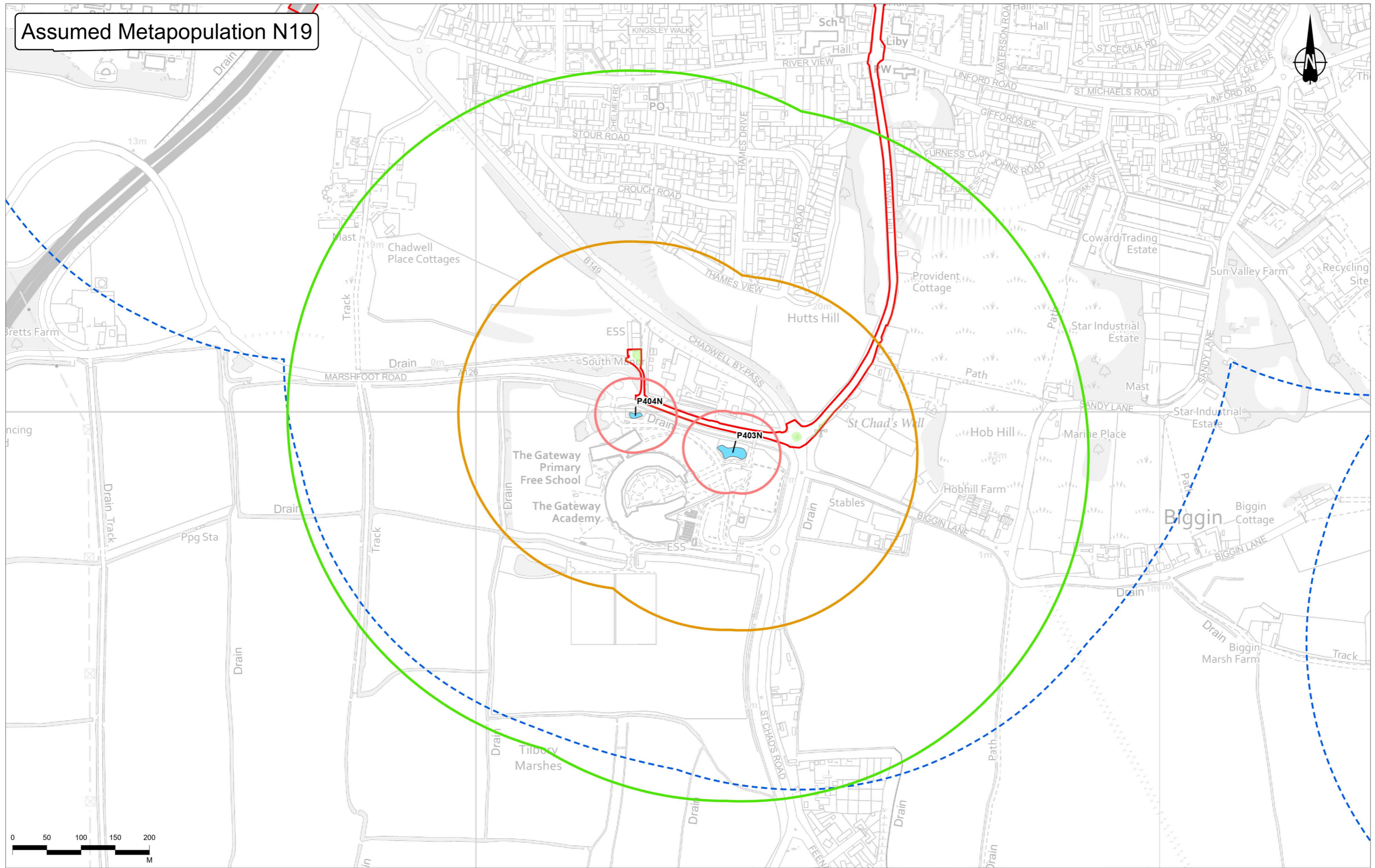


Client
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Project
LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:5,000		
Drawing Title	Figure D - Impact Map Assumed Metapopulation N18 Page 30 of 38				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60026				

Assumed Metapopulation N19



Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P02	S8	23/09/2022	DCO Application	CD	HT	BF

Legend		Pond buffers		Habitat Impact Category	
	Order Limits		50m pond buffer		Permanent habitat loss (landscaping)
	Route Alignment		250m pond buffer		Permanent habitat loss (alignment)
	GCN Survey Area		500m pond buffer		Temporary habitat loss
	Ponds				
	Ponds				



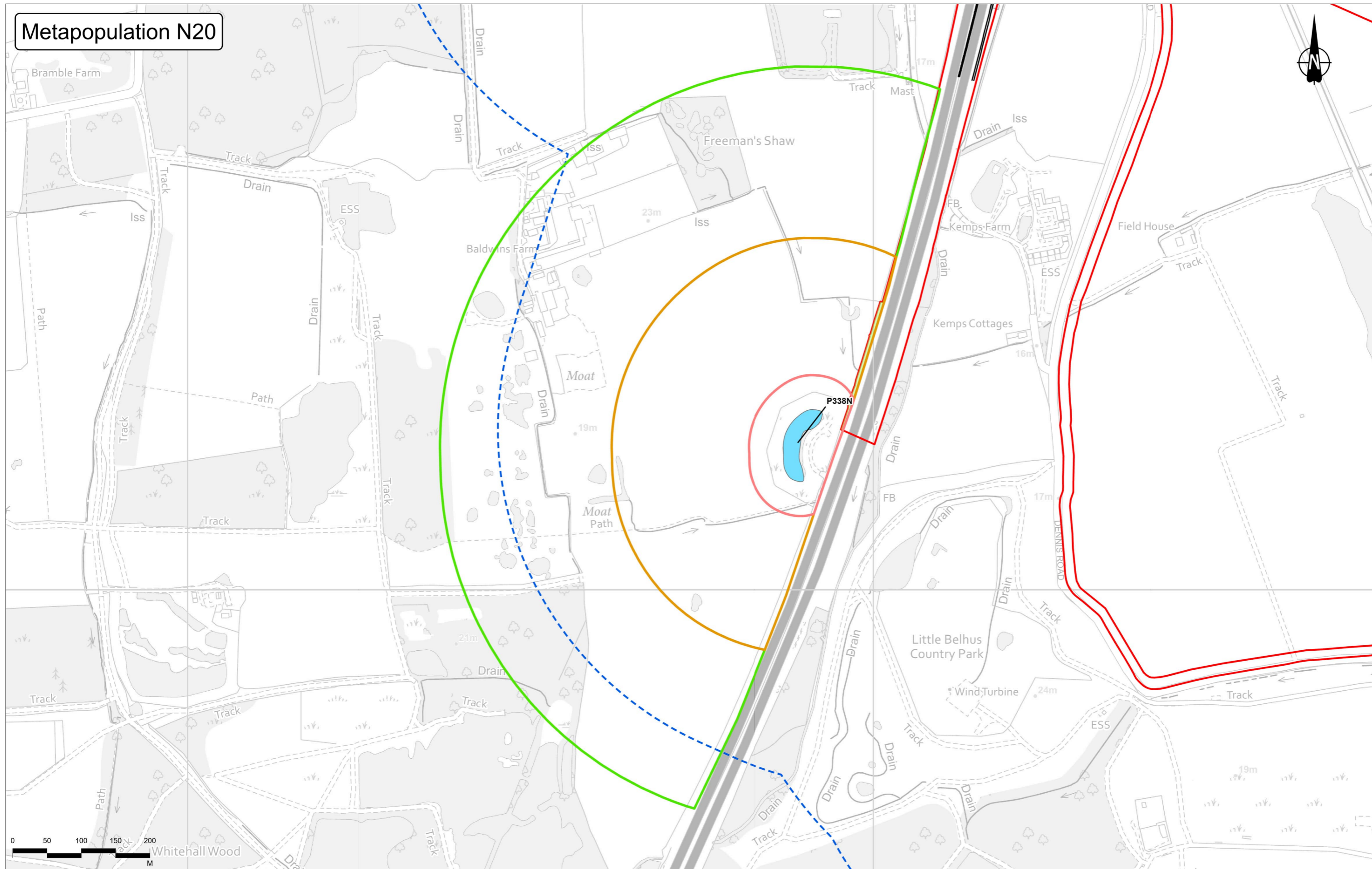
Client
national highways

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 D - Impact Map Assumed Metapopulation N19 Page 31 of 38				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60026				

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Metapopulation N20



P02	S8	23/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

Legend	
Order Limits	50m pond buffer
Route Alignment	250m pond buffer
GCN Survey Area	500m pond buffer
Ponds	Permanent habitat loss (landscaping)
Ponds	Permanent habitat loss (alignment)
	Temporary habitat loss

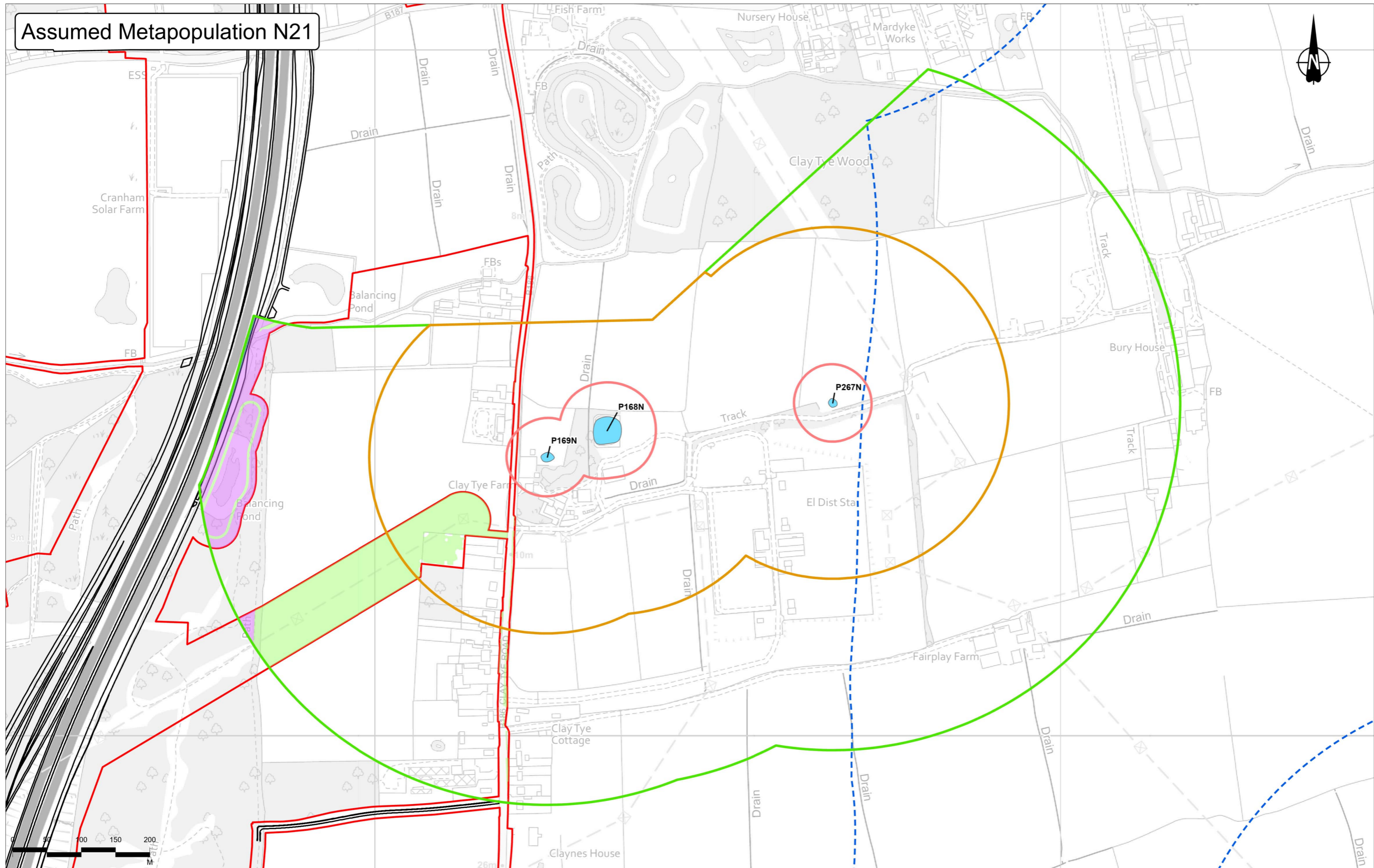
Habitat Impact Category	
	Permanent habitat loss (landscaping)
	Permanent habitat loss (alignment)
	Temporary habitat loss

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Project: LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:5,000		
Drawing Title	Figure D - Impact Map Metapopulation N20				
	Page 32 of 38				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60026				

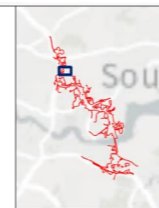
Assumed Metapopulation N21



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P02	S8	23/09/2022	DCO Application	CD	HT	BF

Legend		Pond buffers		Habitat Impact Category	
	Order Limits		50m pond buffer		Permanent habitat loss (landscaping)
	Route Alignment		250m pond buffer		Permanent habitat loss (alignment)
	GCN Survey Area		500m pond buffer		Temporary habitat loss
	Ponds				
	Ponds				

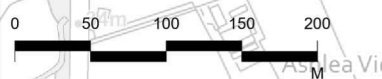
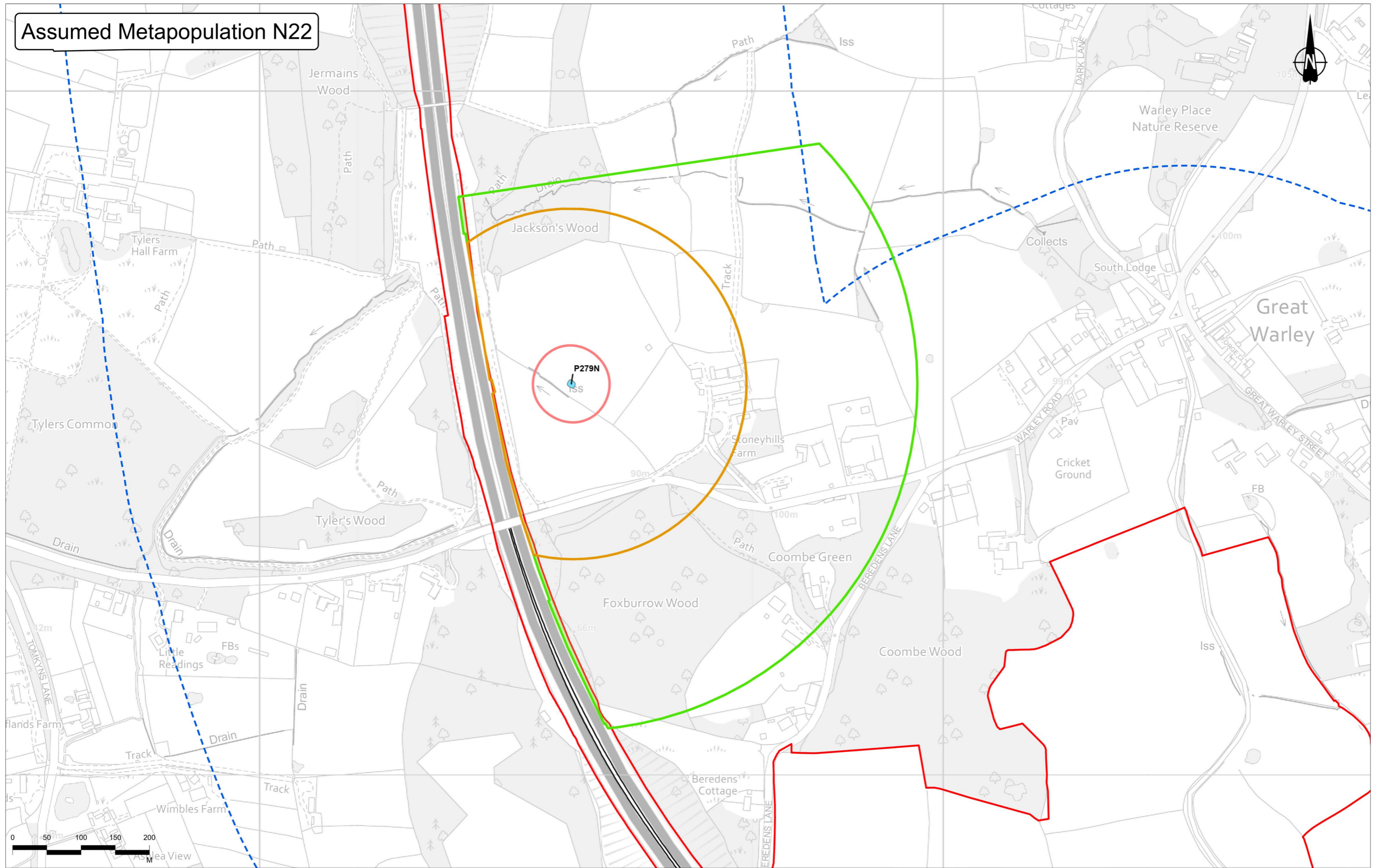


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Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:5,000		
Drawing Title	Figure D - Impact Map Assumed Metapopulation N21				
	Page 33 of 38				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60026				

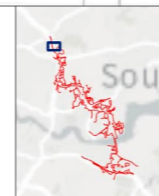
Assumed Metapopulation N22



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Legend		Pond buffers		Habitat Impact Category	
	Order Limits		50m pond buffer		Permanent habitat loss (landscaping)
	Route Alignment		250m pond buffer		Permanent habitat loss (alignment)
	GCN Survey Area		500m pond buffer		Temporary habitat loss
	Ponds				
	Ponds				

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P02	S8	23/09/2022	DCO Application	CD	HT	BF

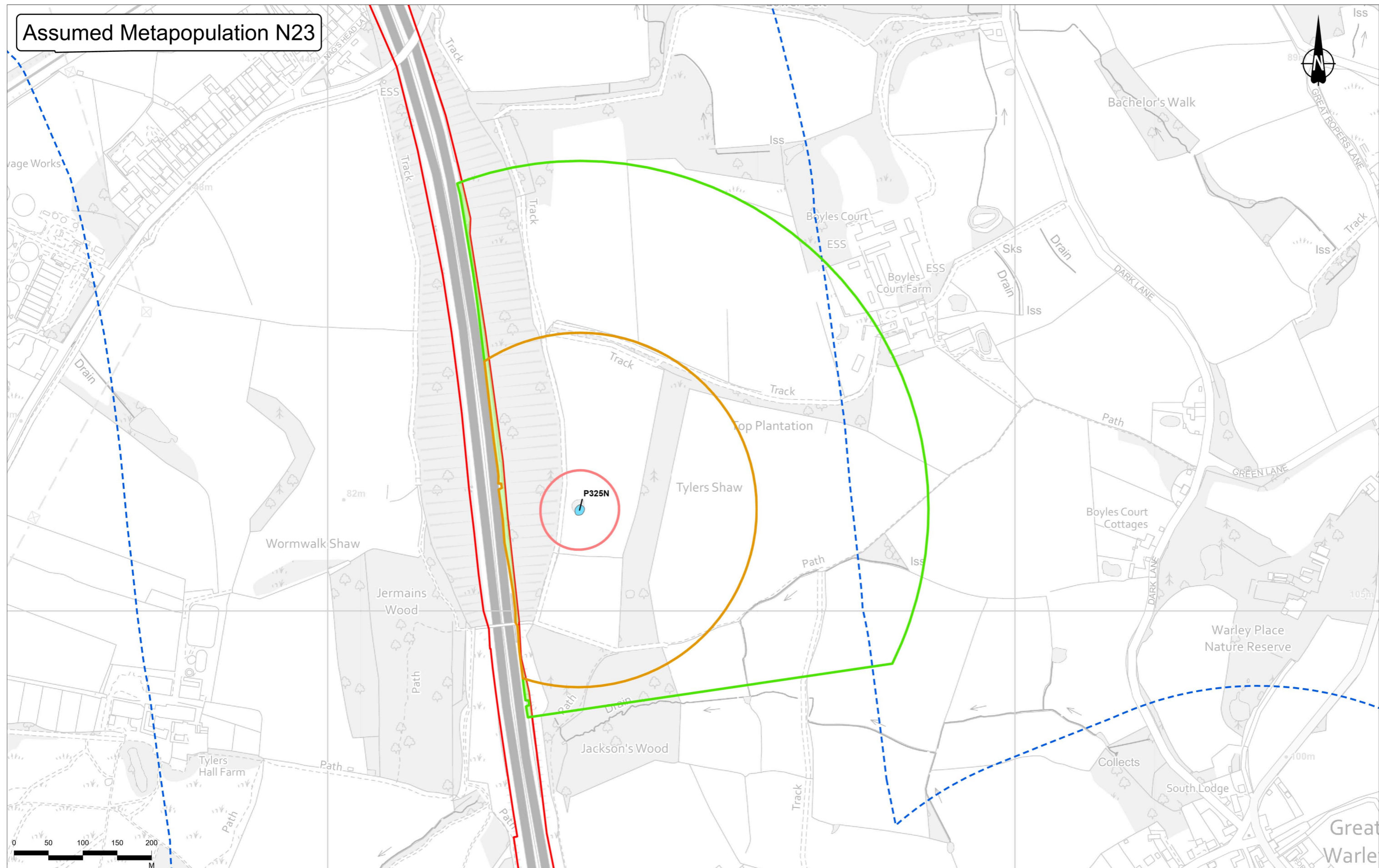


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Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:5,000		
Drawing Title	Figure D - Impact Map Assumed Metapopulation N22 Page 34 of 38				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60026				

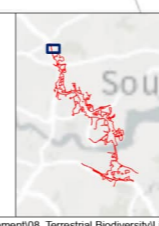
Assumed Metapopulation N23



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P02	S8	23/09/2022	DCO Application	CD	HT	BF

Legend		Pond buffers		Habitat Impact Category	
	Order Limits		50m pond buffer		Permanent habitat loss (landscaping)
	Route Alignment		250m pond buffer		Permanent habitat loss (alignment)
	GCN Survey Area		500m pond buffer		Temporary habitat loss
	Ponds				
	Ponds				

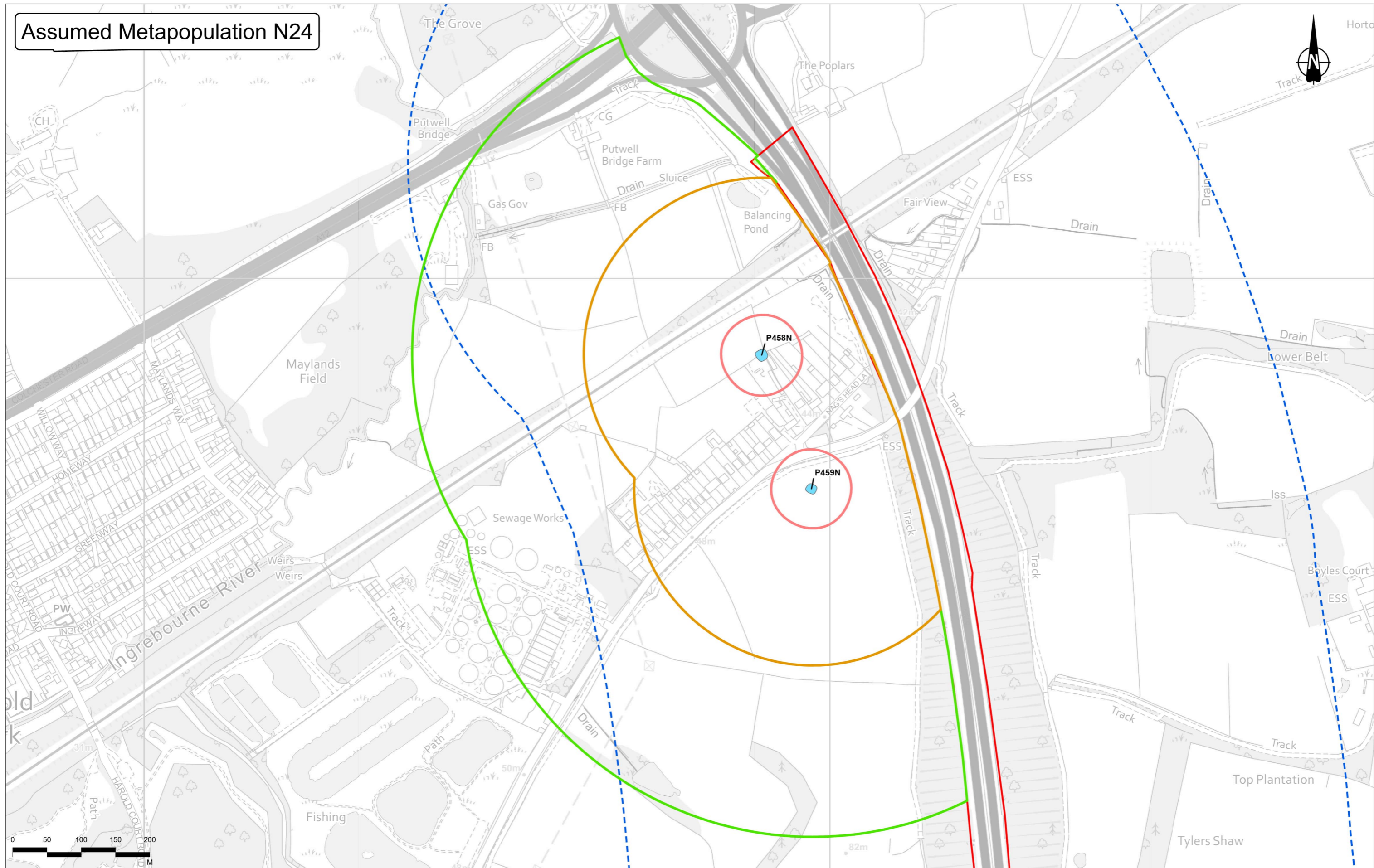


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Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:5,000		
Drawing Title	Figure D - Impact Map Assumed Metapopulation N23 Page 35 of 38				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60026				

Assumed Metapopulation N24



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P02	S8	23/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

Legend		Pond buffers		Habitat Impact Category	
	Order Limits		50m pond buffer		Permanent habitat loss (landscaping)
	Route Alignment		250m pond buffer		Permanent habitat loss (alignment)
	GCN Survey Area		500m pond buffer		Temporary habitat loss
	Ponds				
	Ponds				

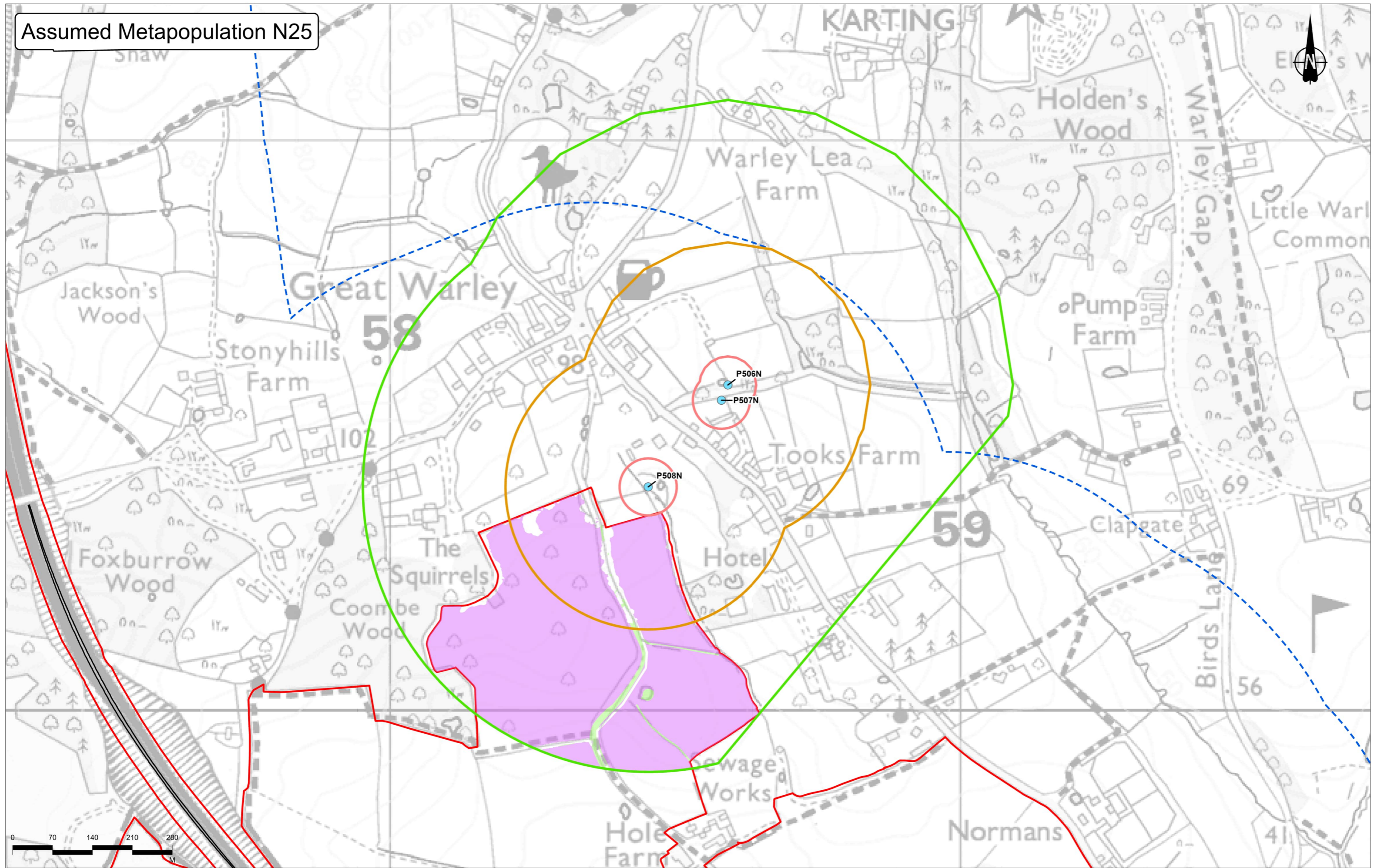
Client: national highways

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 D - Impact Map Assumed Metapopulation N24 Page 36 of 38				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60026				

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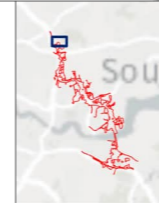
Assumed Metapopulation N25



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved
P02	S8	23/09/2022	DCO Application	CD	HT	BF

Legend		Pond buffers		Habitat Impact Category	
	Order Limits		50m pond buffer		Permanent habitat loss (landscaping)
	Route Alignment		250m pond buffer		Permanent habitat loss (alignment)
	GCN Survey Area		500m pond buffer		Temporary habitat loss
	Ponds				
	Ponds				

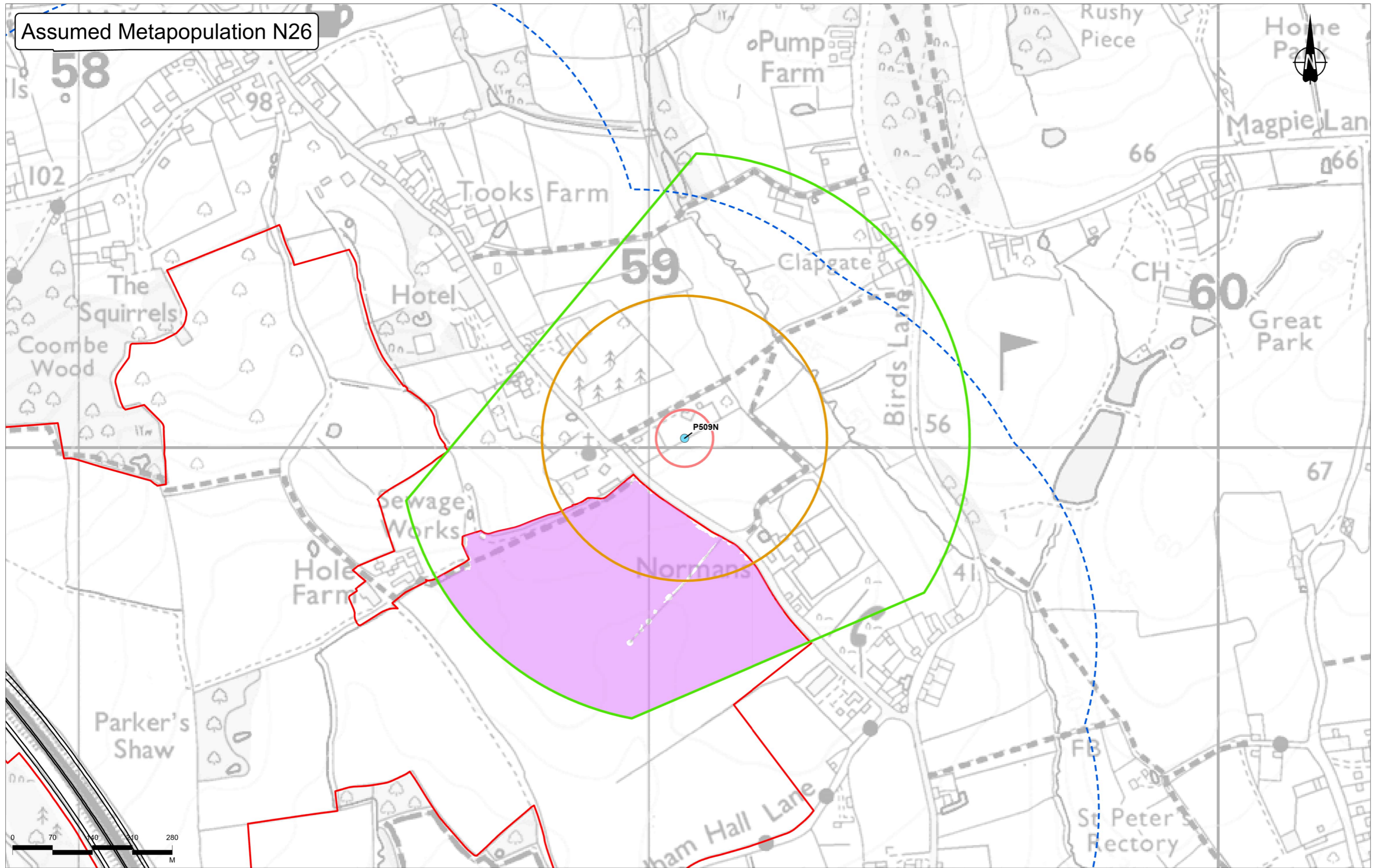


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Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:6,000		
Drawing Title	Figure D - Impact Map Assumed Metapopulation N25 Page 37 of 38				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60026				

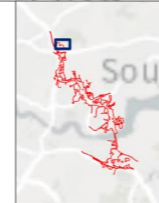
Assumed Metapopulation N26



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P02	S8	23/09/2022	DCO Application	CD	HT	BF

Legend	
Order Limits	50m pond buffer
Route Alignment	250m pond buffer
GCN Survey Area	500m pond buffer
Ponds	Permanent habitat loss (landscaping)
Ponds	Permanent habitat loss (alignment)
	Temporary habitat loss

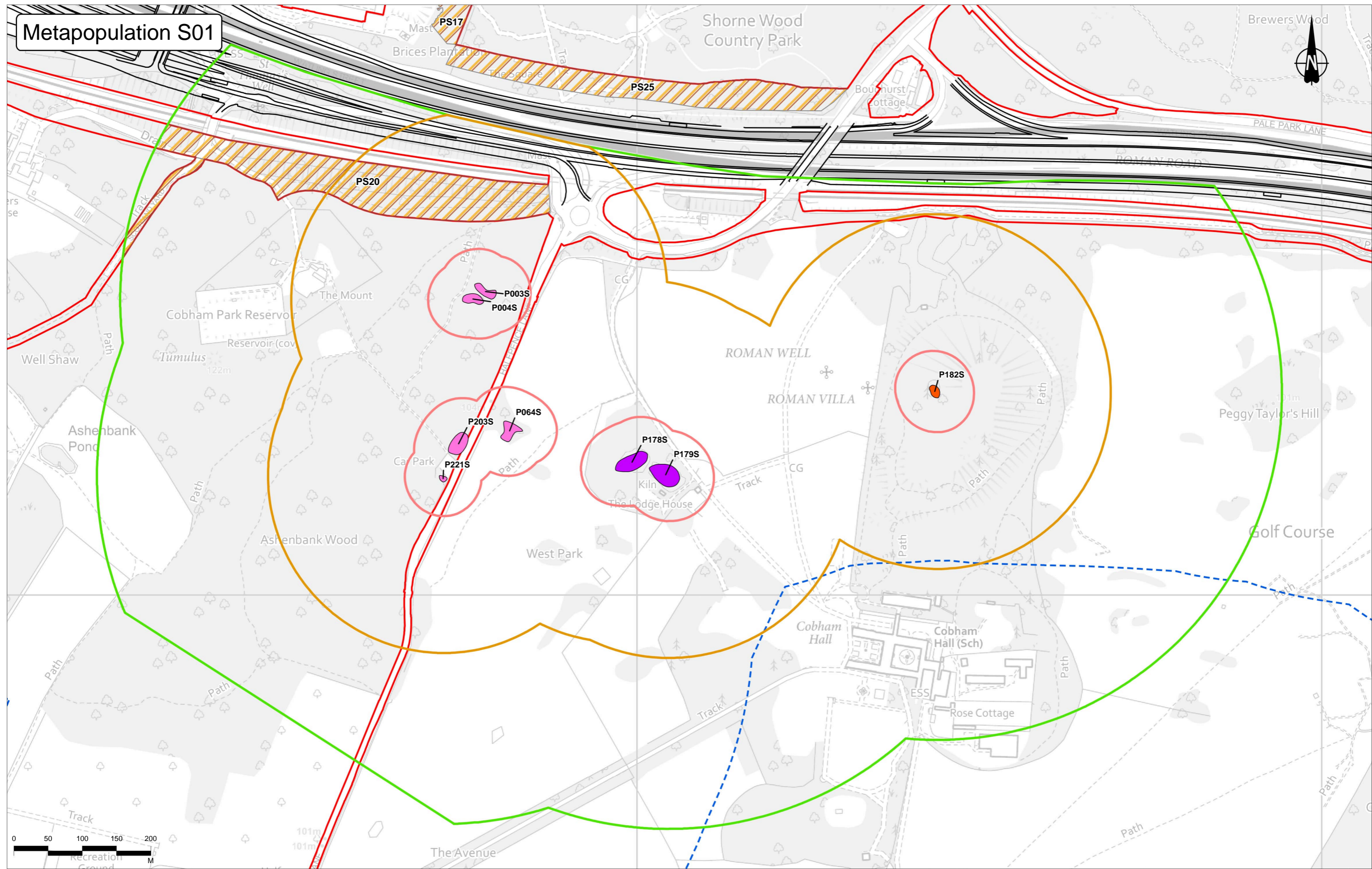


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Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:6,000		
Drawing Title	Figure D - Impact Map Assumed Metapopulation N26 Page 38 of 38				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60026				

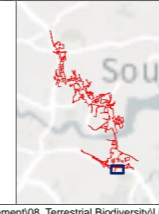
Metapopulation S01



P02	S8	18/10/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

Legend	
	Order Limits
	Route Alignment
	GCN Survey Area
	Mitigation Receptor Areas
	Mitigation Area
	Receptor Site
	Ponds
	Present - Conventional
	Present - eDNA
	Assumed present - Desk Study (No access)

Pond buffers	
	50m pond buffer
	250m pond buffer
	500m pond buffer

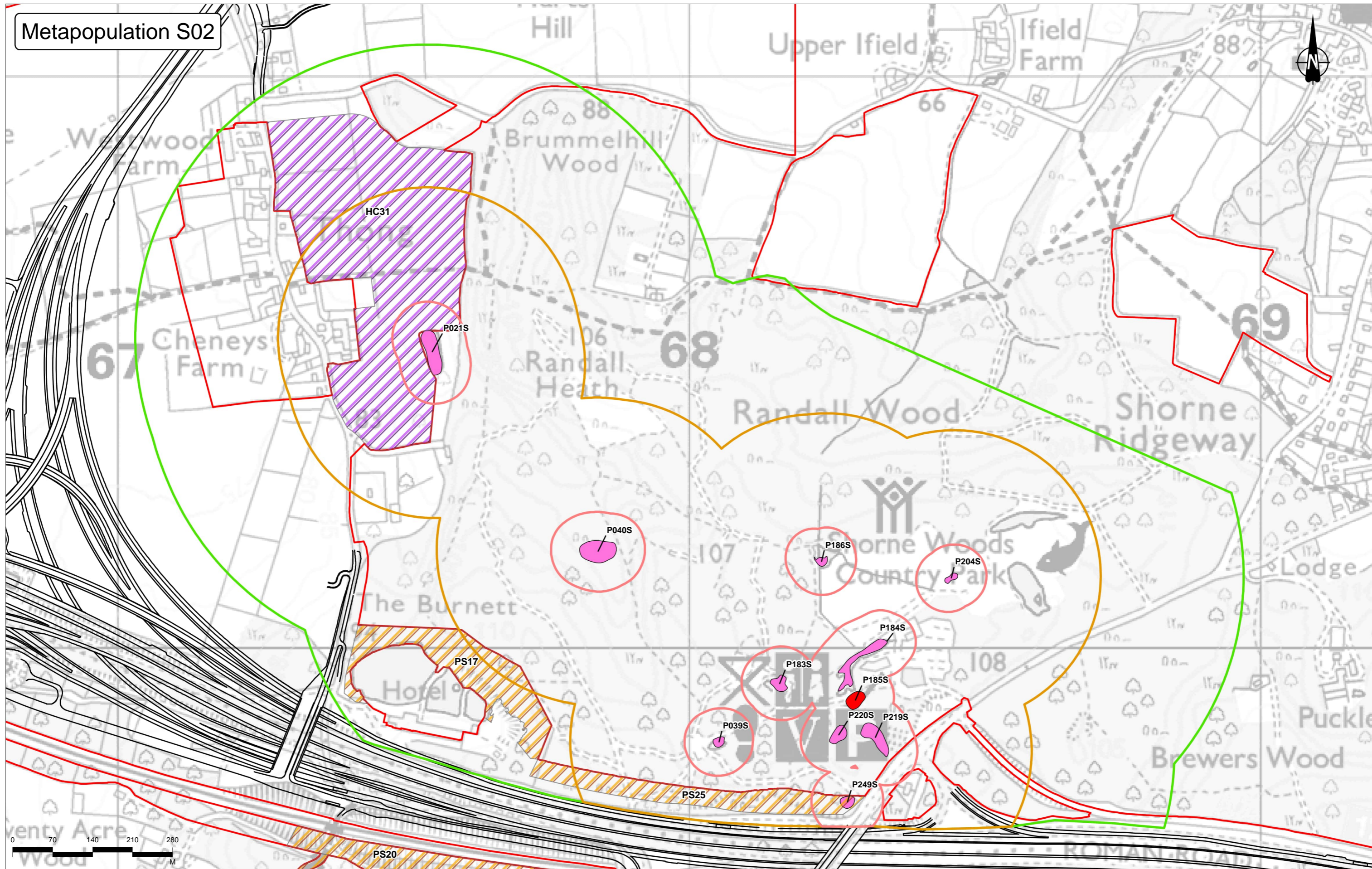


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Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:5,000		
Drawing Title	Figure E2 - Receptor Map Metapopulation S01 Page 1 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60027				

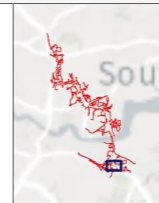
Metapopulation S02



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Appr'd
P02	S8	18/10/2022	DCO Application	CD	HT	BF

Legend		Pond buffers	
	Order Limits		50m pond buffer
	Route Alignment		250m pond buffer
	GCN Survey Area		500m pond buffer
	Mitigation Receptor Areas		
	Mitigation Area		
	Receptor Site		
	Ponds		
	Present - Conventional		
	Assumed present - Conventional		



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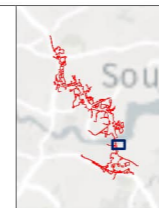
Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:6,000		
Drawing Title	Figure E2 - Receptor Map Metapopulation S02 Page 2 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60027				

Metapopulation S04



0	50	100	150	200
M				

Order Limits	Receptor Site	Pond buffers
Route Alignment	Pond Status, Survey Year	50m pond buffer
GCN Survey Area	Present - Incidental sighting (2017 & 2018)	250m pond buffer
Mitigation Receptor Areas		500m pond buffer
Mitigation Area		

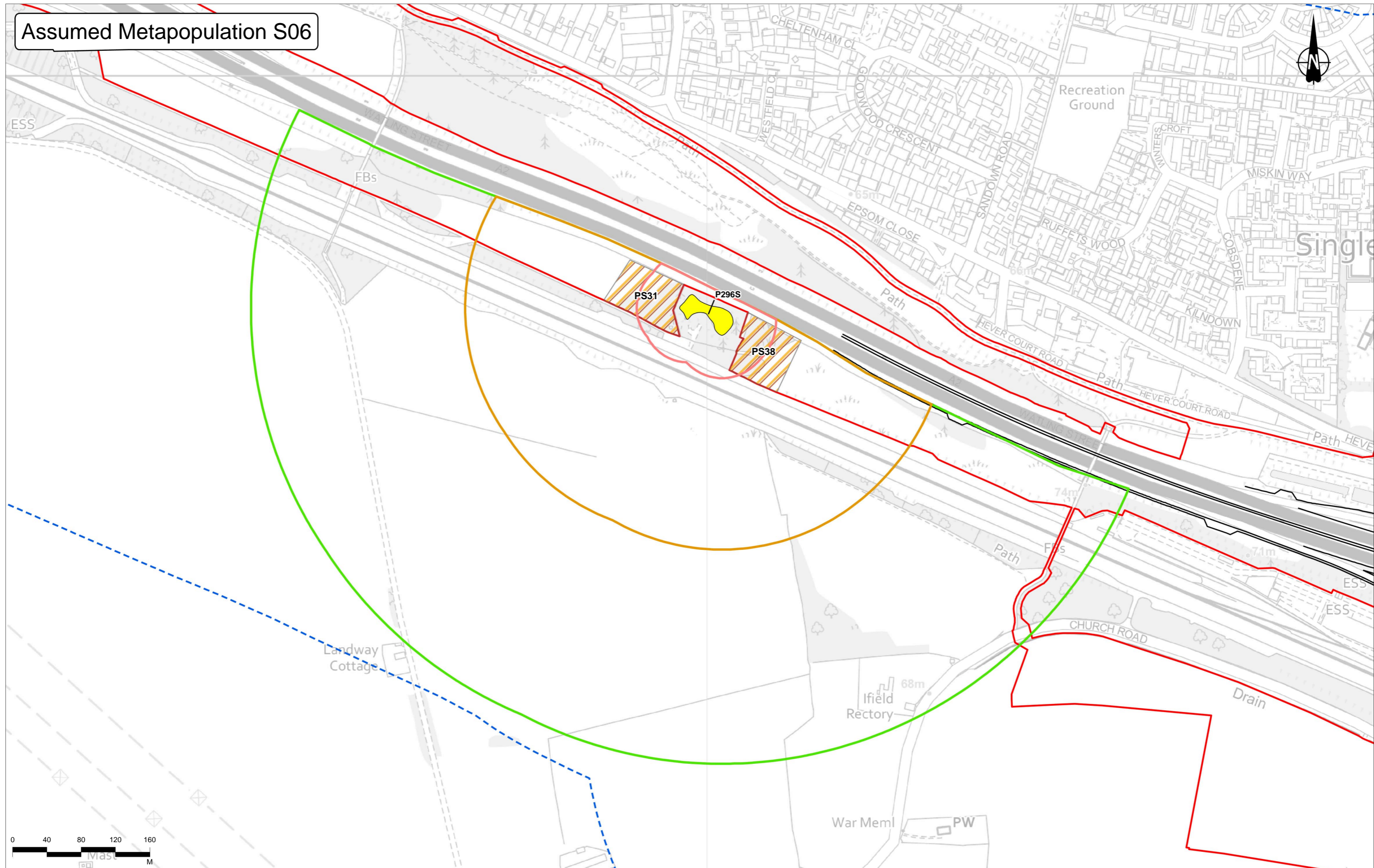


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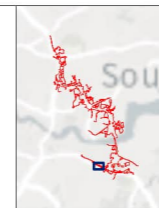
Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:5,000		
Drawing Title	Figure E2 - Receptor Map Metapopulation S04 Page 3 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60027				

Assumed Metapopulation S06



Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Appr'd
P02	S8	18/10/2022	DCO Application	CD	HT	BF

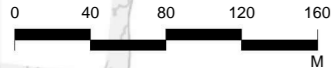
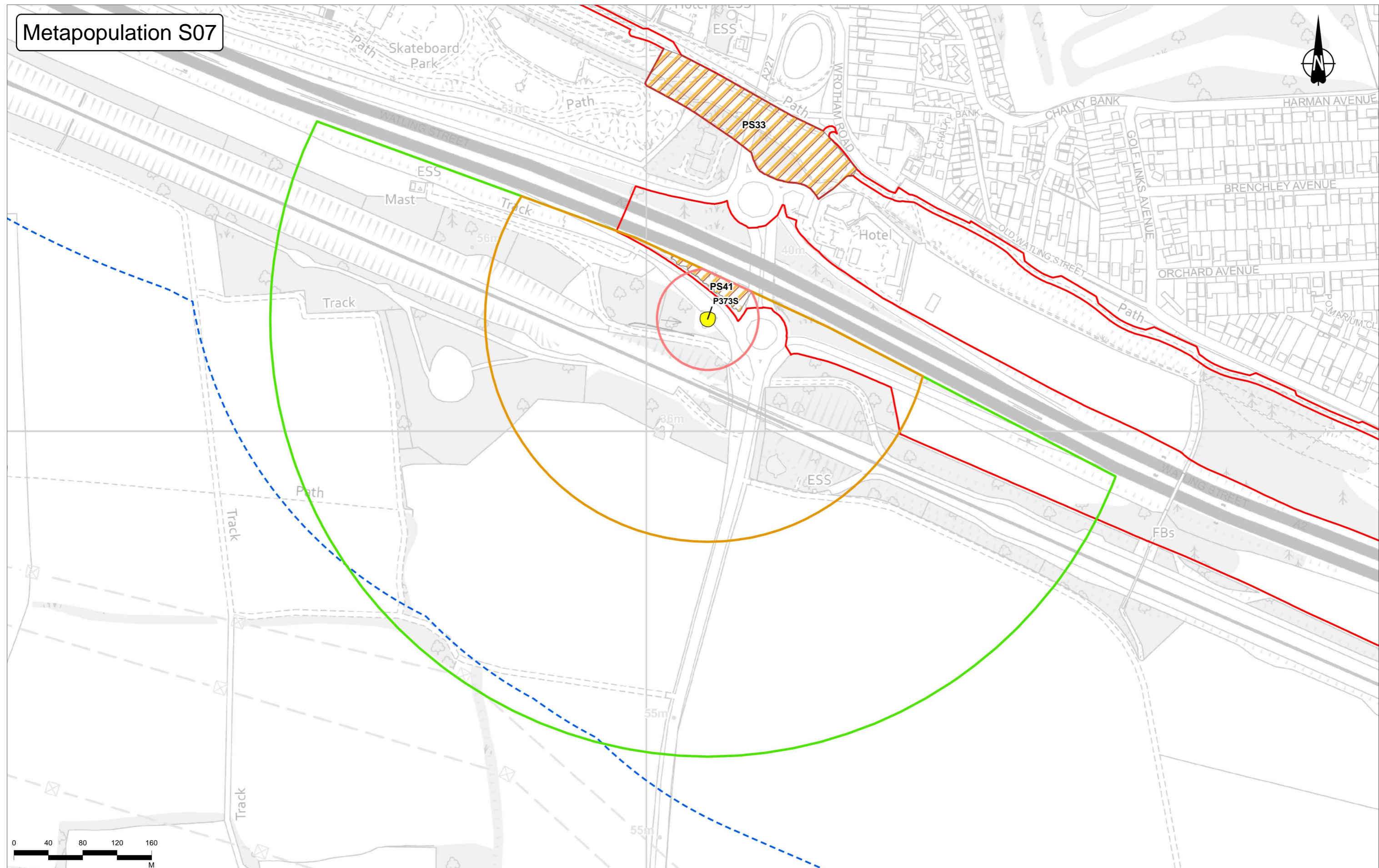
Legend			
	Order Limits		Receptor Site
	Route Alignment		Assumed present - No access
	GCN Survey Area		250m pond buffer
	Mitigation Area		500m pond buffer
	50m pond buffer		



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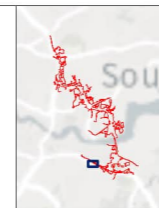
Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:4,000		
Drawing Title	Figure E2 - Receptor Map Assumed Metapopulation S06 Page 4 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60027				

Metapopulation S07



Legend

- Order Limits
- GCN Survey Area
- Mitigation Area
- Receptor Site
- Ponds
- Assumed present - No access
- 50m pond buffer
- 250m pond buffer
- 500m pond buffer



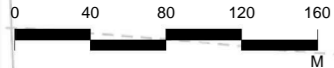
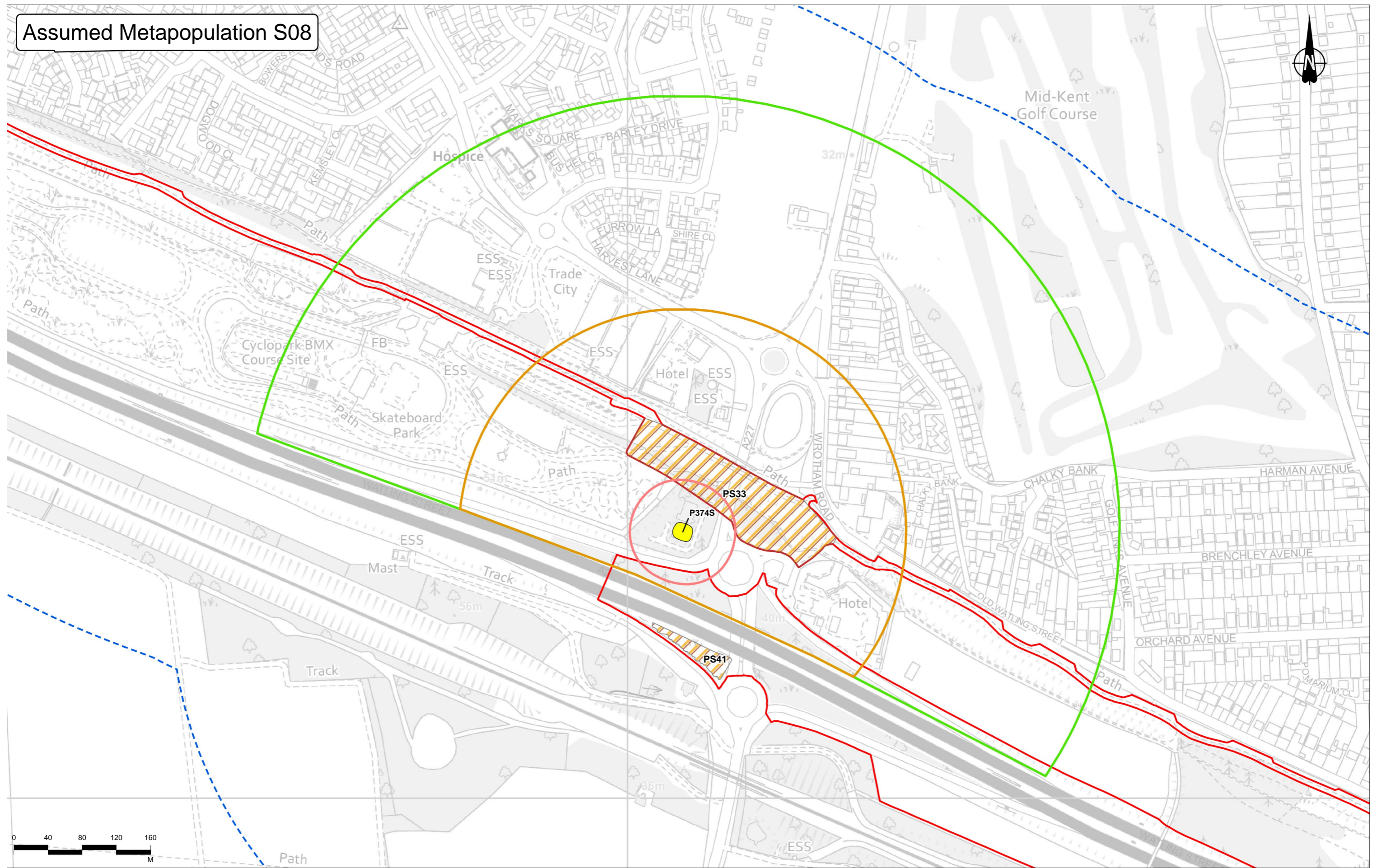
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Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:4,000		
Drawing Title	Figure E2 - Receptor Map Metapopulation S07 Page 5 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60027				

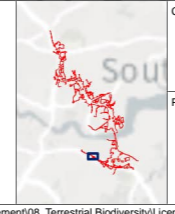
P02	S8	18/10/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

Assumed Metapopulation S08



- Legend**
- Order Limits
 - GCN Survey Area
 - Mitigation Receptor Areas
 - Mitigation Area
 - Receptor Site
 - Ponds
 - Assumed present - No access
- Pond buffers**
- 50m pond buffer
 - 250m pond buffer
 - 500m pond buffer

P02	S8	18/10/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprvd

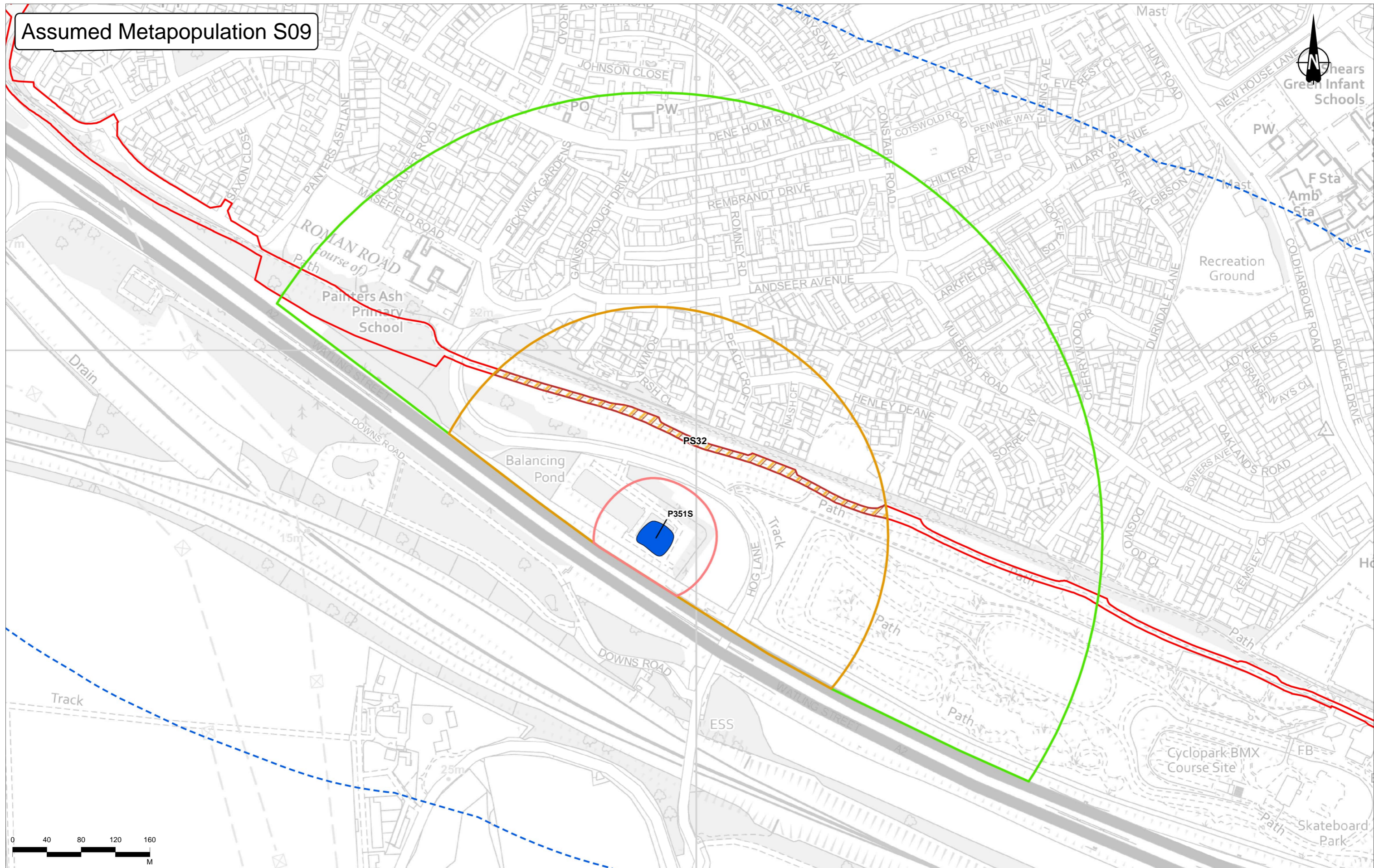


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Project
LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:4,000		
Drawing Title	Figure E2 - Receptor Map Assumed Metapopulation S08 Page 6 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60027				

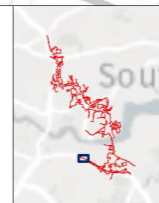
Assumed Metapopulation S09



Legend

- Order Limits
- GCN Survey Area
- Mitigation Receptor Areas
- Mitigation Area
- Receptor Site
- Ponds
- Assumed present - eDNA inconclusive
- 50m pond buffer
- 250m pond buffer
- 500m pond buffer

P02	S8	18/10/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

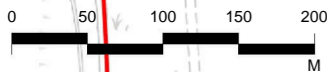
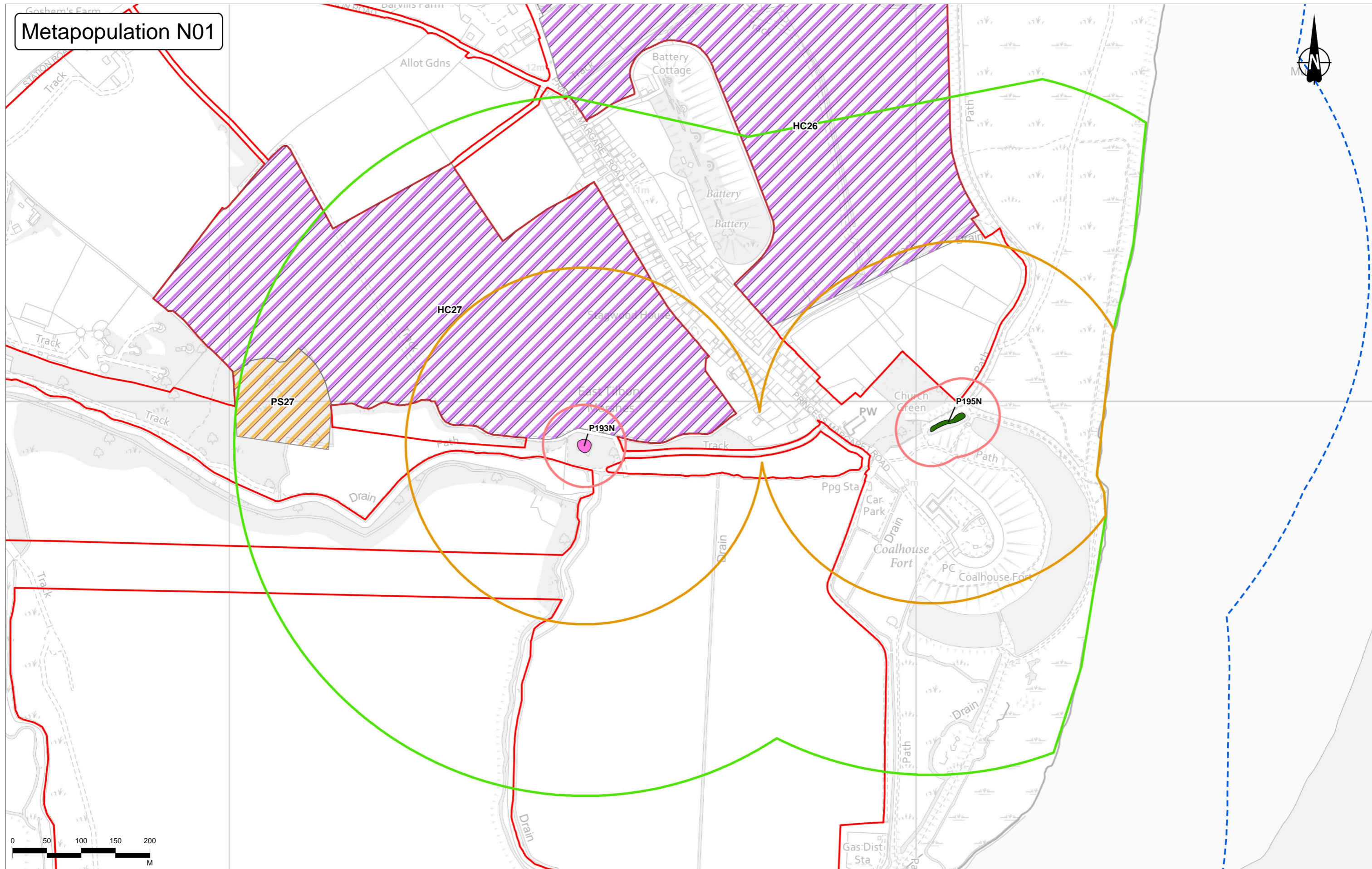


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Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:4,000		
Drawing Title	Figure E2 - Receptor Map Assumed Metapopulation S09 Page 7 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60027				

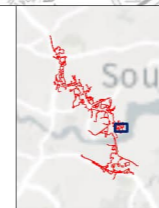
Metapopulation N01



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Appr'd
P02	S8	18/10/2022	DCO Application	CD	HT	BF

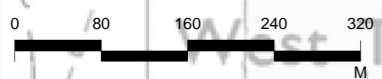
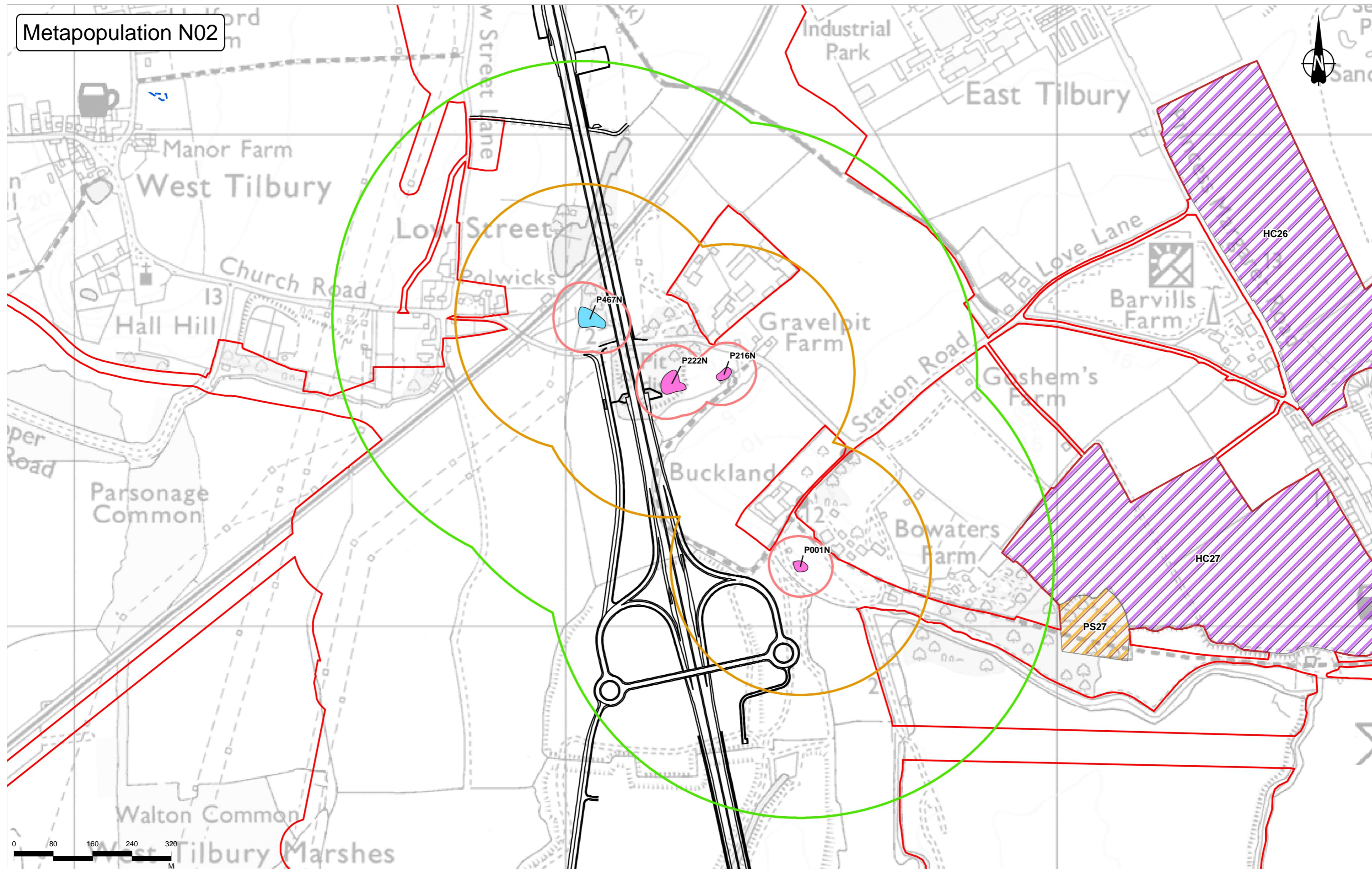
Legend		Pond buffers		Ponds	
	Order Limits		50m pond buffer		Present - Conventional
	GCN Survey Area		250m pond buffer		Assumed present - Unsurveyed
	Mitigation Receptor Areas		500m pond buffer		Mitigation Area
	Mitigation Area		Receptor Site		



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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 E2 - Receptor Map Metapopulation N01 Page 8 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60027				

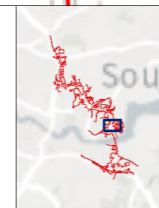
Metapopulation N02



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Appr'd
P02	S8	18/10/2022	DCO Application	CD	HT	BF

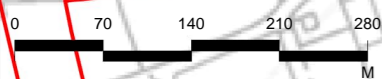
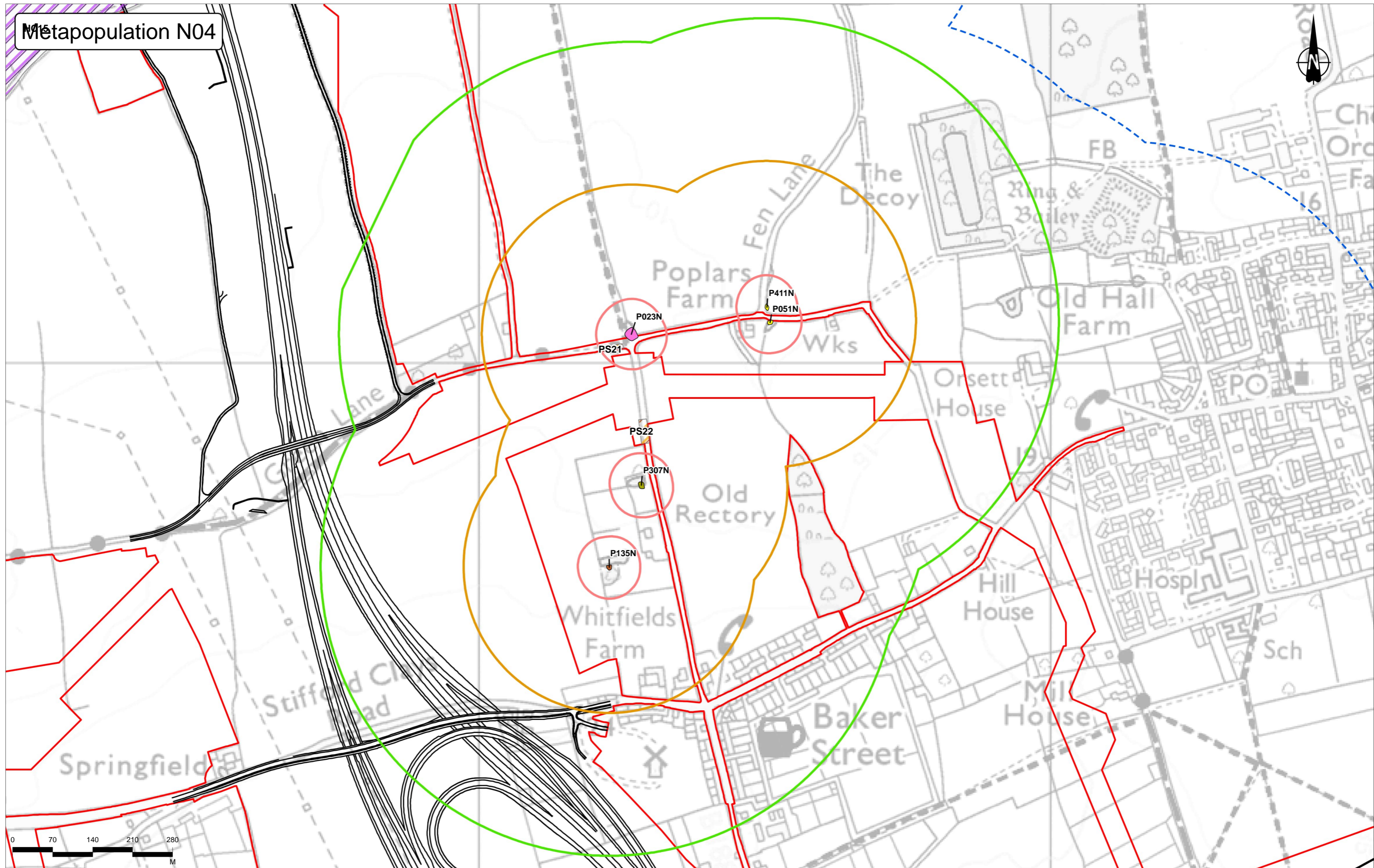
Legend		Type	
	Order Limits		Mitigation Area
	Route Alignment		Present - Conventional
	GCN Survey Area		Assumed present - eDNA
	Mitigation Receptor Areas		50m pond buffer
	Mitigation Area		250m pond buffer
	Receptor Site		500m pond buffer
	Ponds		



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LOWER THAMES CROSSING

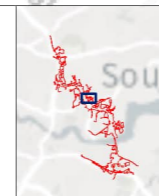
Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:7,000		
Drawing Title	Figure E2 - Receptor Map Metapopulation N02 Page 9 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60027				



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Legend

- | | | | |
|-----------------|------------------------|-------------------------------|------------------|
| Order Limits | Mitigation Area | Present - Desk Study | 50m pond buffer |
| Route Alignment | Receptor Site | Present - Incidental sighting | 250m pond buffer |
| GCN Survey Area | Ponds | Assumed present - No access | 500m pond buffer |
| | Present - Conventional | | |



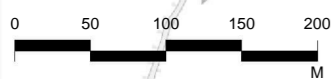
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Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:6,000		
Drawing Title	Figure E2 - Receptor Map Metapopulation N04 Page 10 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60027				

P02	S8	18/10/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Appr'd

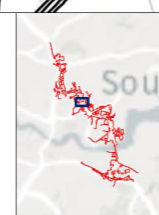
Metapopulation N05



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Appr'd
P02	S8	18/10/2022	DCO Application	CD	HT	BF

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

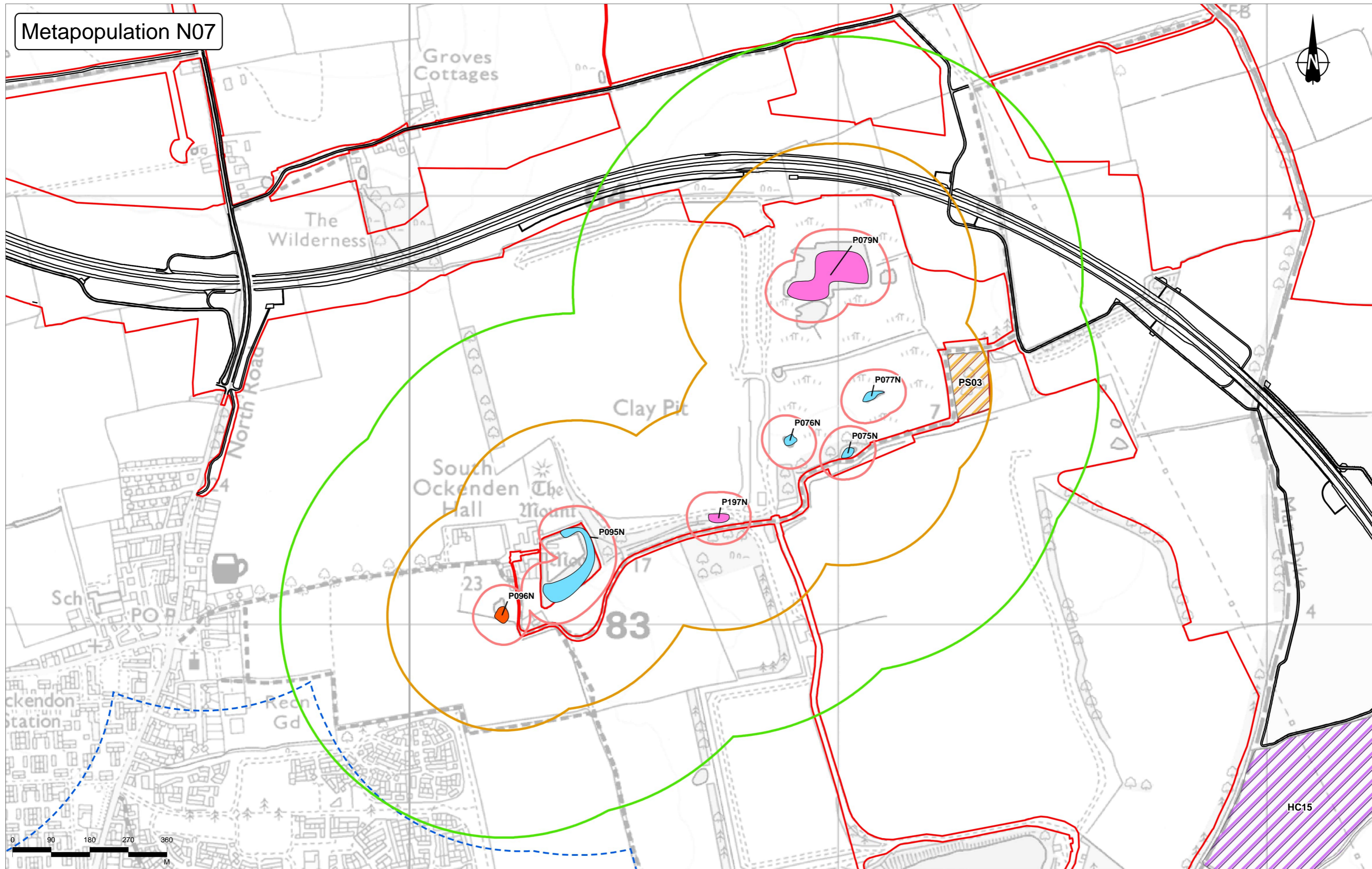


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LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:5,000		
Drawing Title	Figure E2 - Receptor Map Metapopulation N05 Page 11 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60027				

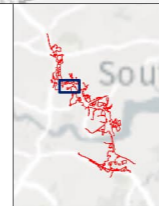
Metapopulation N07



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Appvd
P02	S8	18/10/2022	DCO Application	CD	HT	BF

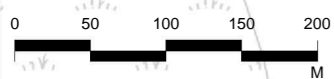
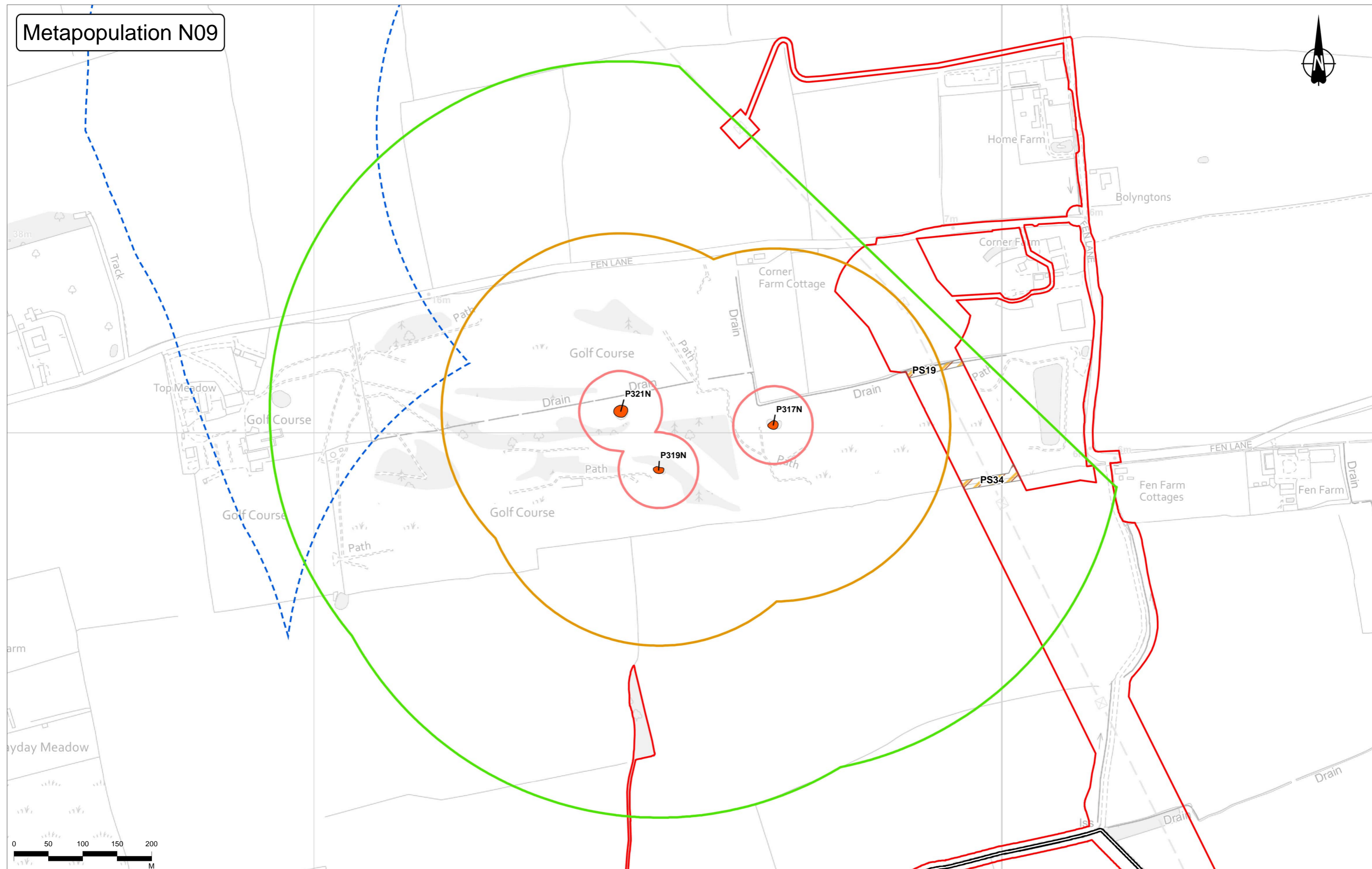
Legend		Mitigation Receptor Areas	Ponds	Pond buffers			
	Order Limits		Mitigation Area		Present - Conventional		50m pond buffer
	Route Alignment		Receptor Site		Present - eDNA		250m pond buffer
	GCN Survey Area				Assumed present - eDNA		500m pond buffer



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Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:8,000		
Drawing Title	Figure E2 - Receptor Map Metapopulation N07 Page 12 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60027				

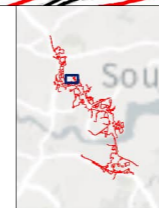
Metapopulation N09



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Appr'd
P02	S8	18/10/2022	DCO Application	CD	HT	BF

Legend	
Order Limits	Mitigation Receptor Areas
Route Alignment	Ponds
GCN Survey Area	50m pond buffer
Mitigation Area	500m pond buffer
Receptor Site	Present - eDNA
	250m pond buffer

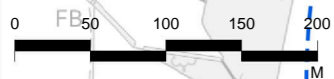
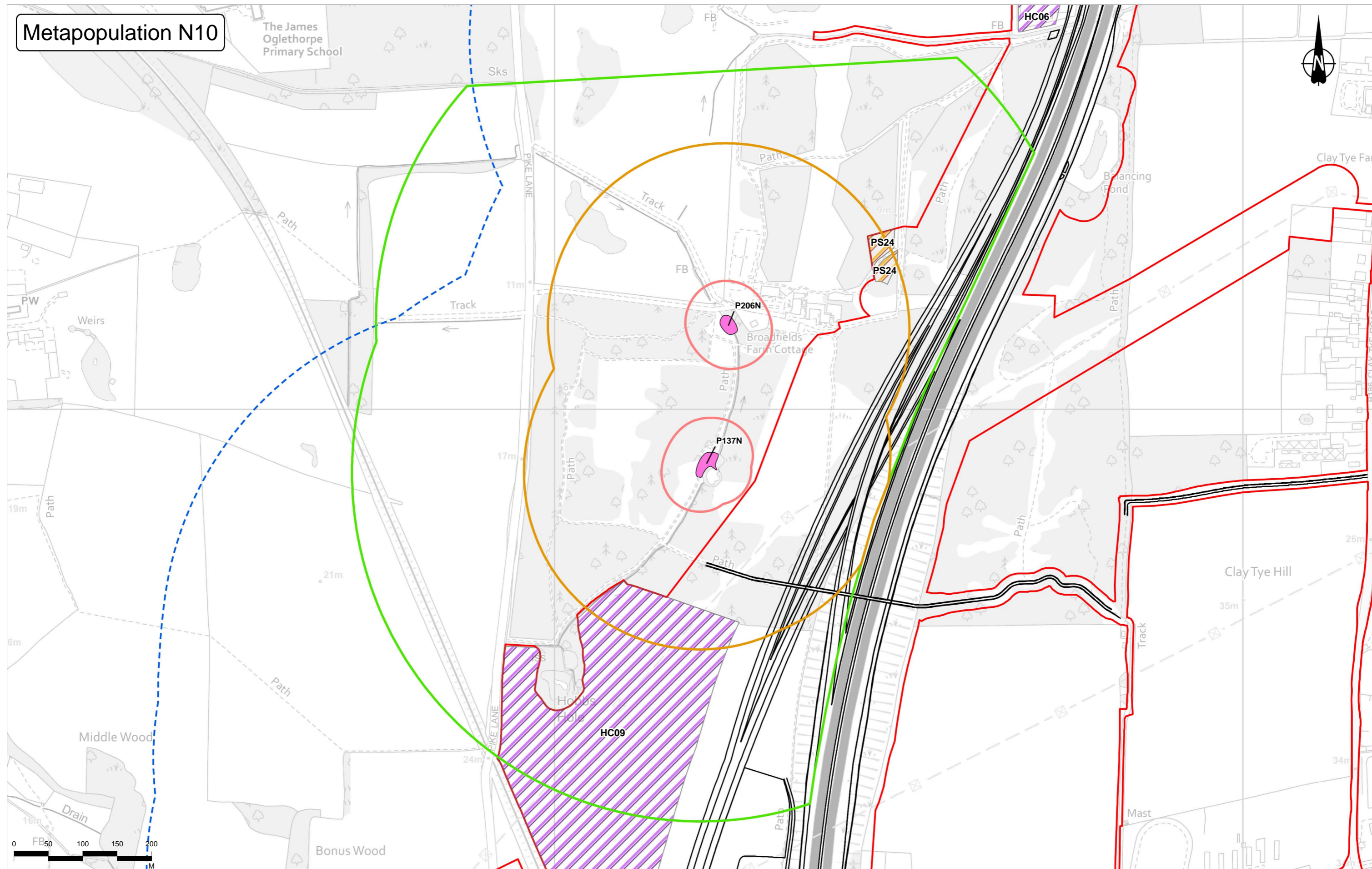


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Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:5,000		
Drawing Title	Figure E2 - Receptor Map Metapopulation N09 Page 13 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60027				


Metapopulation N10



Legend

- Order Limits
- Route Alignment
- GCN Survey Area
- Mitigation Area
- Mitigation Receptor Areas
- Receptor Site
- Ponds
- Present - Conventional
- Pond buffers
- 50m pond buffer
- 250m pond buffer
- 500m pond buffer

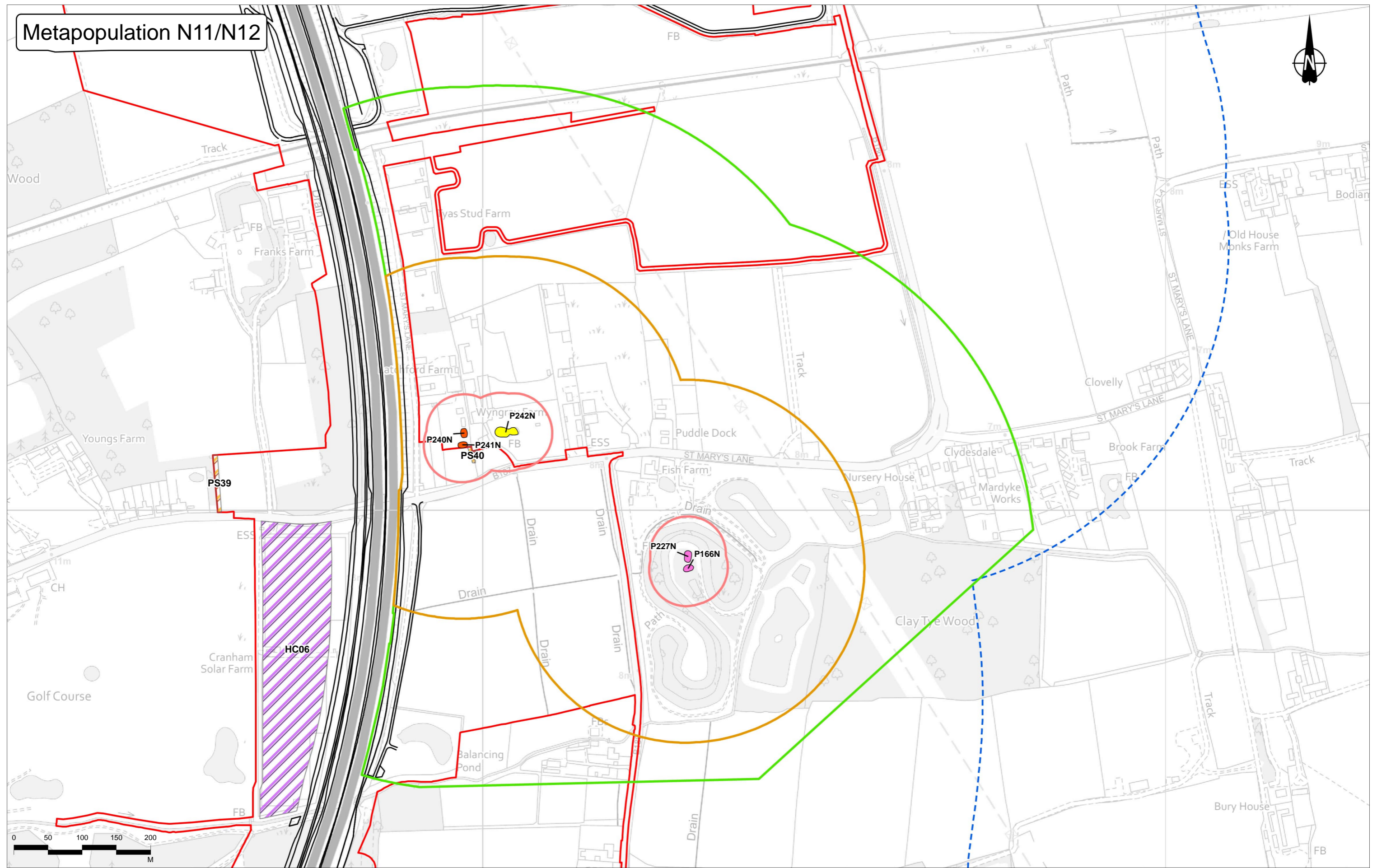
P02	S8	18/10/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Appr'd



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 E2 - Receptor Map Metapopulation N10 Page 14 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60027				

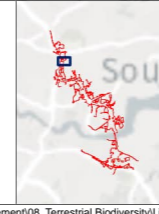
Metapopulation N11/N12



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Appr'd
P02	S8	18/10/2022	DCO Application	CD	HT	BF

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



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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 E2 - Receptor Map Metapopulation N11/N12 Page 15 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60027				

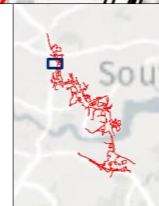
Metapopulation N13



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv
P02	S8	18/10/2022	DCO Application	CD	HT	BF

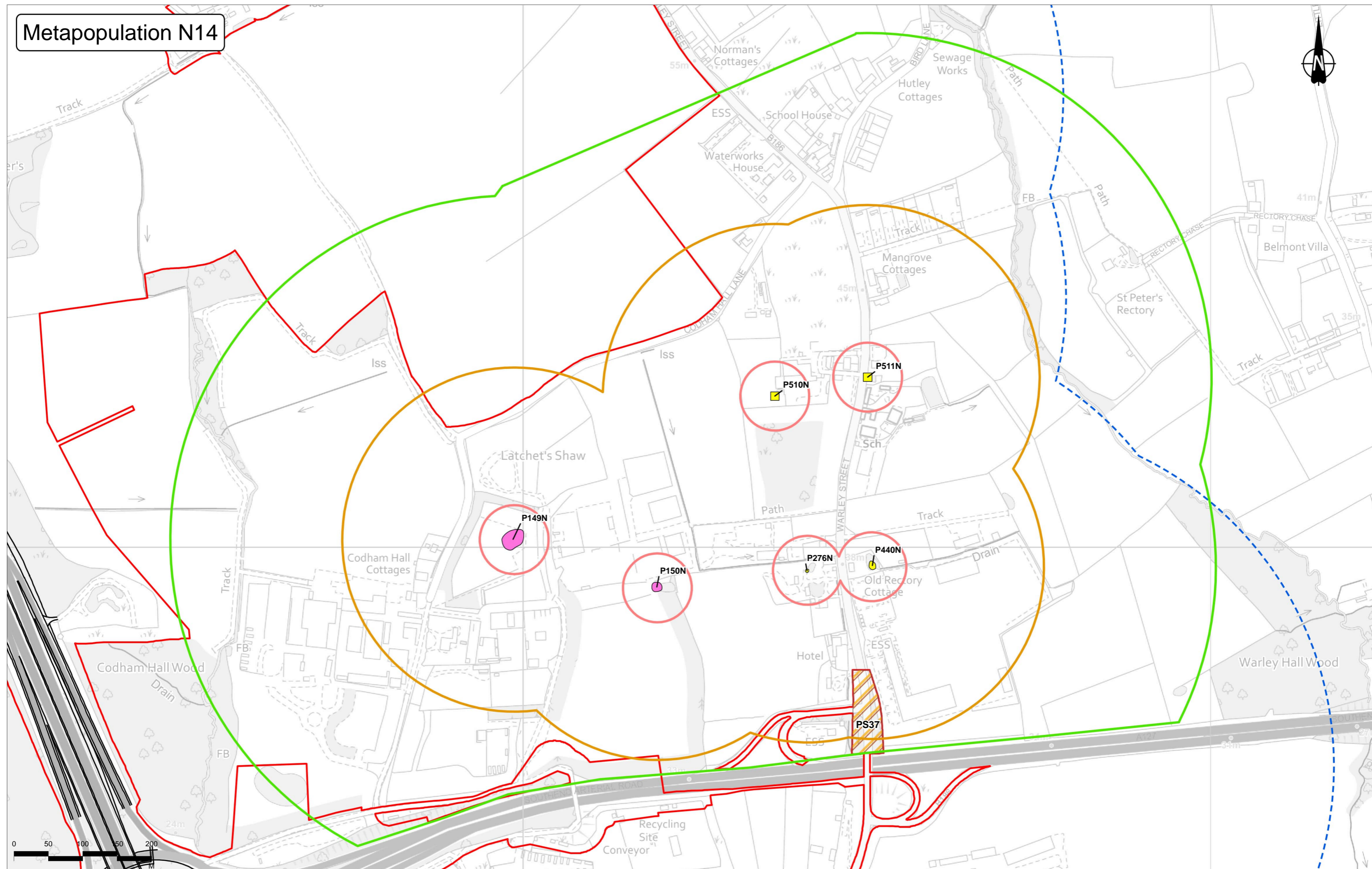
Legend		Mitigation Receptor Areas	Ponds	Pond buffers
	Order Limits			
	Route Alignment			
	GCN Survey Area			
			Present - Conventional	50m pond buffer
			Assumed present - No access	250m pond buffer
				500m pond buffer



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Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:6,000		
Drawing Title	Figure E2 - Receptor Map Metapopulation N13 Page 16 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60027				

Metapopulation N14



P02	S8	18/10/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

Legend

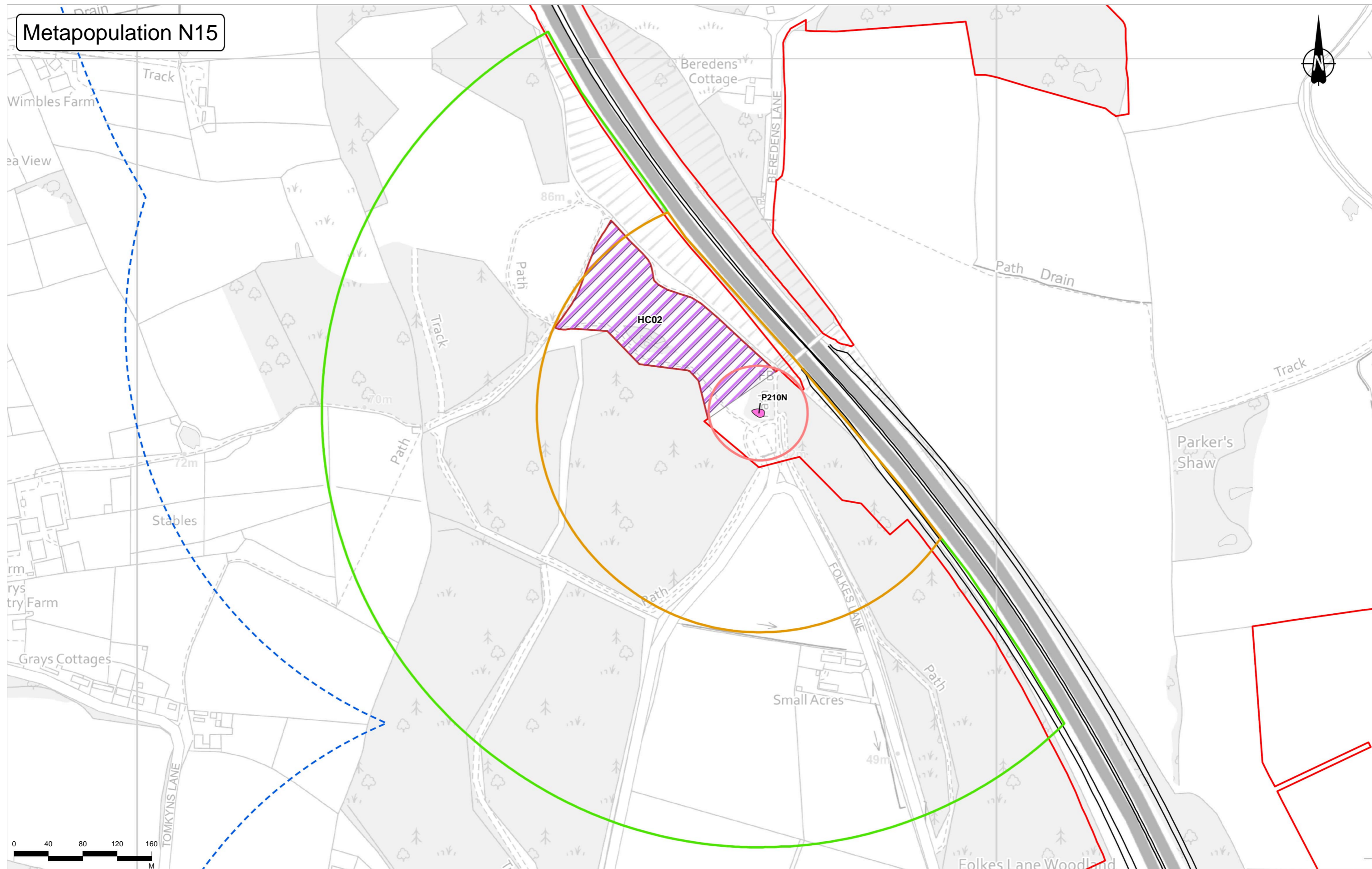
- Order Limits (Red outline)
- Route Alignment (Black line)
- GCN Survey Area (Blue dashed line)
- Mitigation Receptor Areas (Purple hatched area)
- Mitigation Area (Purple solid area)
- Receptor Site (Orange hatched area)
- Pond Status, Survey Year**
 - Assumed present - No access (Yellow square)
 - Present - Conventional (Pink circle)
- Pond buffers**
 - 50m pond buffer (Red outline)
 - 250m pond buffer (Orange outline)
- 500m pond buffer (Green outline)

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 E2 - Receptor Map Metapopulation N14 Page 17 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60027				

Metapopulation N15



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P02	S8	18/10/2022	DCO Application	CD	HT	BF

Legend

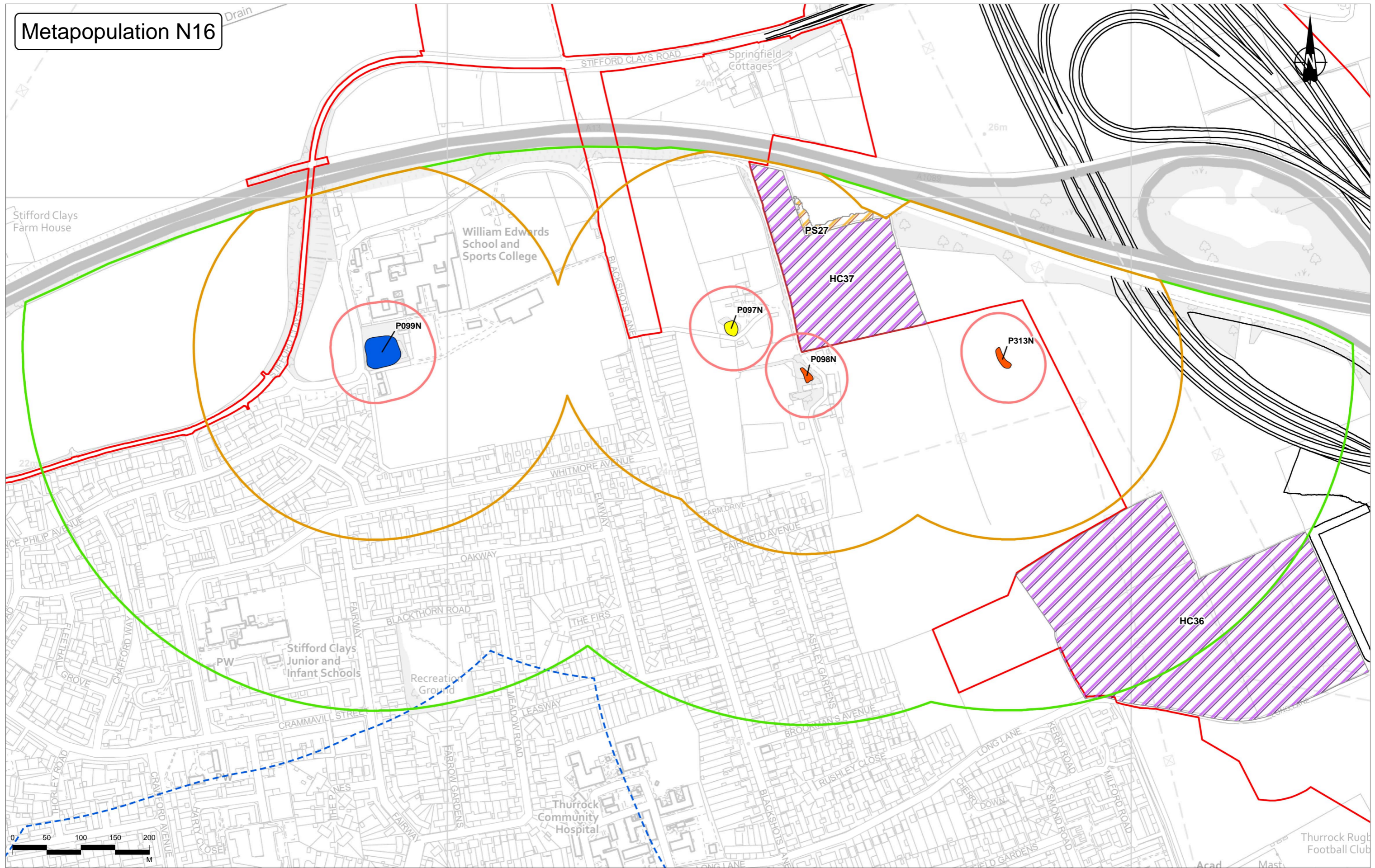
Order Limits	Mitigation Area	Ponds	250m pond buffer
Route Alignment	Receptor Site	Present - Conventional	500m pond buffer
GCN Survey Area		Pond buffers	
		50m pond buffer	

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 E2 - Receptor Map Metapopulation N15 Page 18 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60027				

Metapopulation N16



P02	S8	18/10/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

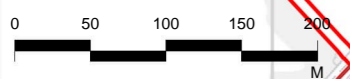
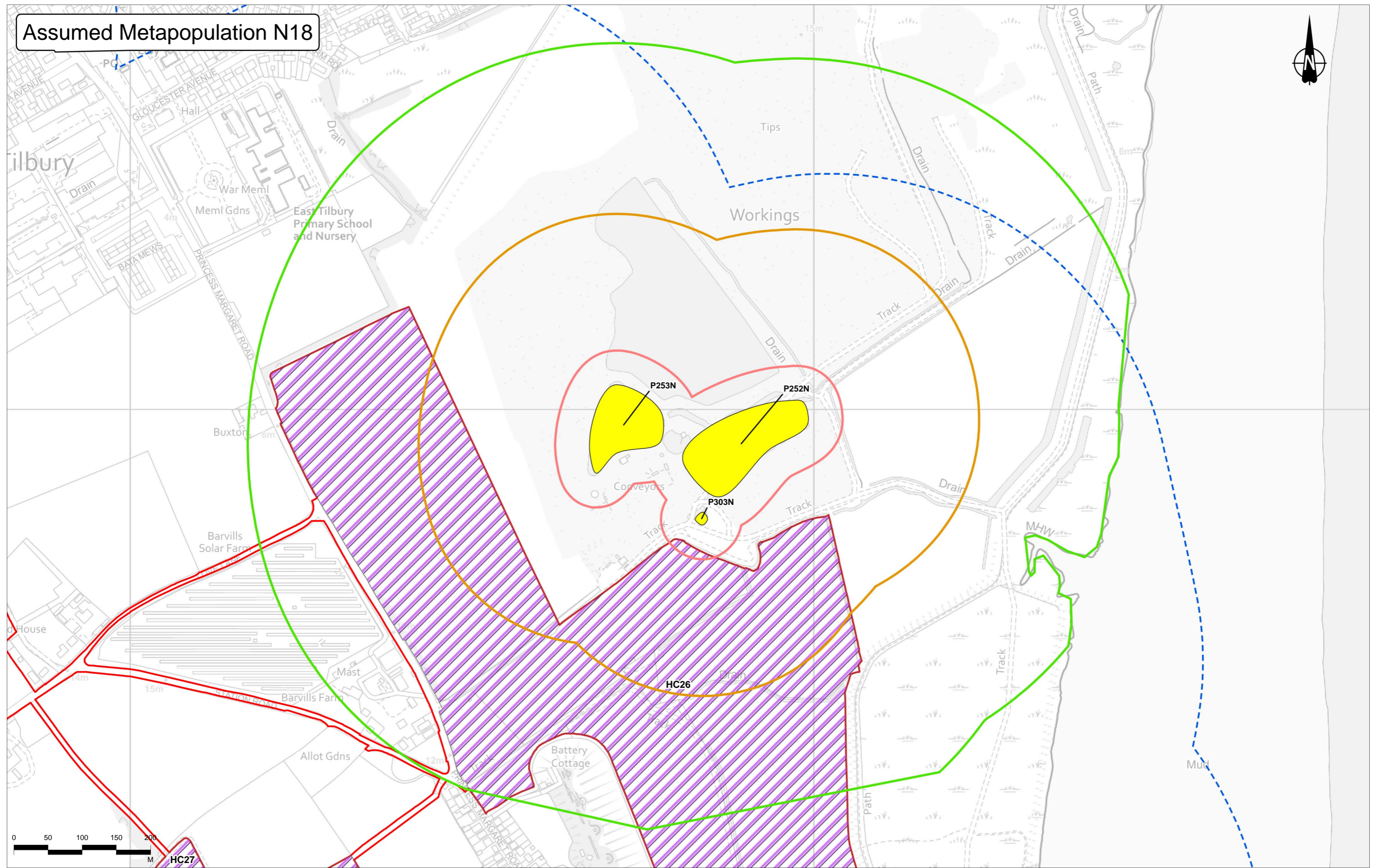
Order Limits	Receptor Site	50m pond buffer
Route Alignment	Ponds Present - eDNA	250m pond buffer
GCN Survey Area	Assumed present - No access	500m pond buffer
Mitigation Receptor Areas	Assumed present - eDNA inconclusive	
Mitigation Area		

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 E2 - Receptor Map Metapopulation N16				
	Page 19 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60027				

Z:\Environment\Environmental Statement\08_Terrestrial Biodiversity\Licence_Figures\HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60027 - Figure E2 - Receptor Map\HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60027 - Figure E2 - Receptor Map.aprx

Assumed Metapopulation N18



HC27

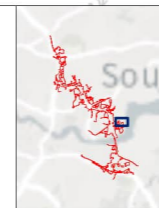
Legend
 Order Limits
 GCN Survey Area
 Mitigation Receptor Areas
 Mitigation Area

Receptor Site
Ponds
 Assumed present - No access

Pond buffers
 50m pond buffer
 250m pond buffer
Type
 Mitigation Area

500m pond buffer

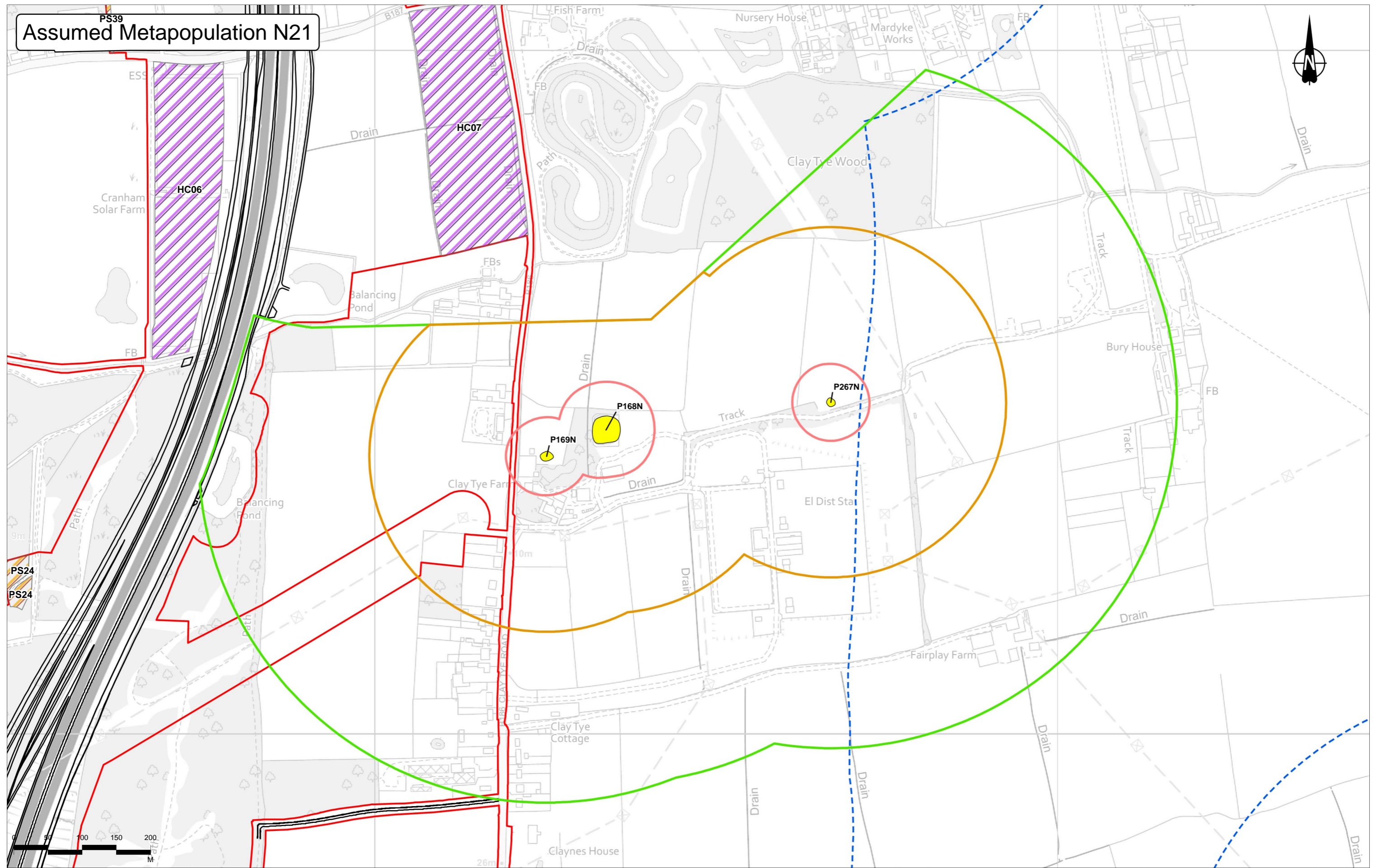
P02	S8	18/10/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd



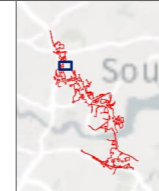
Client
national highways
 Project
LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:5,000		
Drawing Title	Figure E2 - Receptor Map Assumed Metapopulation N18 Page 20 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60027				

Assumed Metapopulation N21



Legend	
Order Limits	Mitigation Area
Route Alignment	Assumed present - No access
GCN Survey Area	50m pond buffer
Mitigation Receptor Areas	250m pond buffer
Ponds	500m pond buffer
Receptor Site	



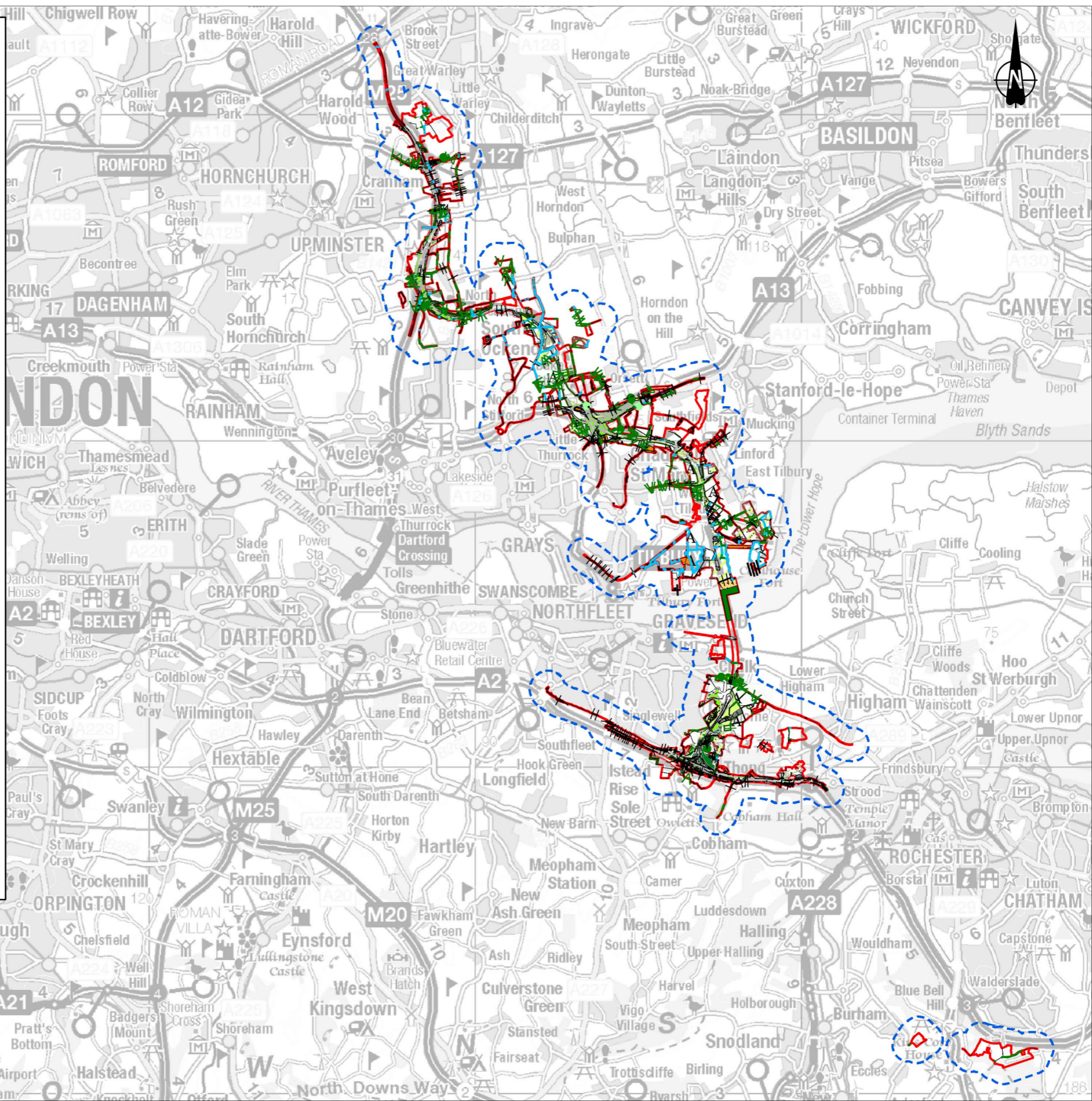
Client
 national highways

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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 E2 - Receptor Map Assumed Metapopulation N21 Page 21 of 21				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60027				

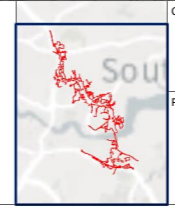
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Appr'd
P02	S8	18/10/2022	DCO Application	CD	HT	BF

- 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	18/10/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprvd

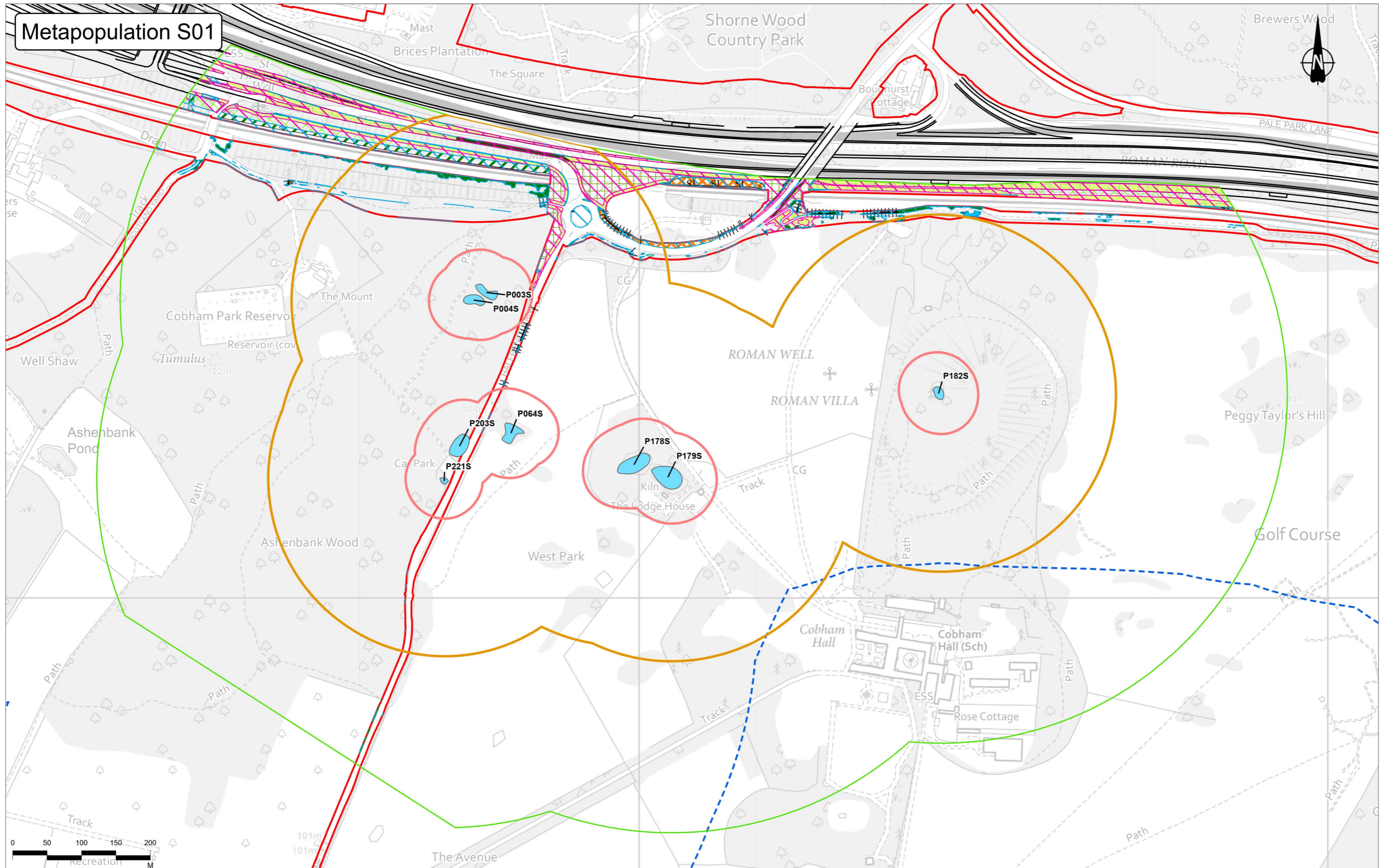


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Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:132,785		
Drawing Title	Figure E3.1 - Habitat Measure Map Legend				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60035				

Metapopulation S01



- Legend**
- Order Limits (Red line)
 - Route Alignment (Grey line)
 - GCN Survey Area (Blue dashed line)
 - Habitat Creation (Pink hatched)
 - Reinstated Habitat (Blue hatched)
 - Ponds (Blue shape)
 - Pond buffers (Red circle)
 - 50m pond buffer (Red circle)
 - 250m pond buffer (Orange circle)
 - 500m pond buffer (Green line)

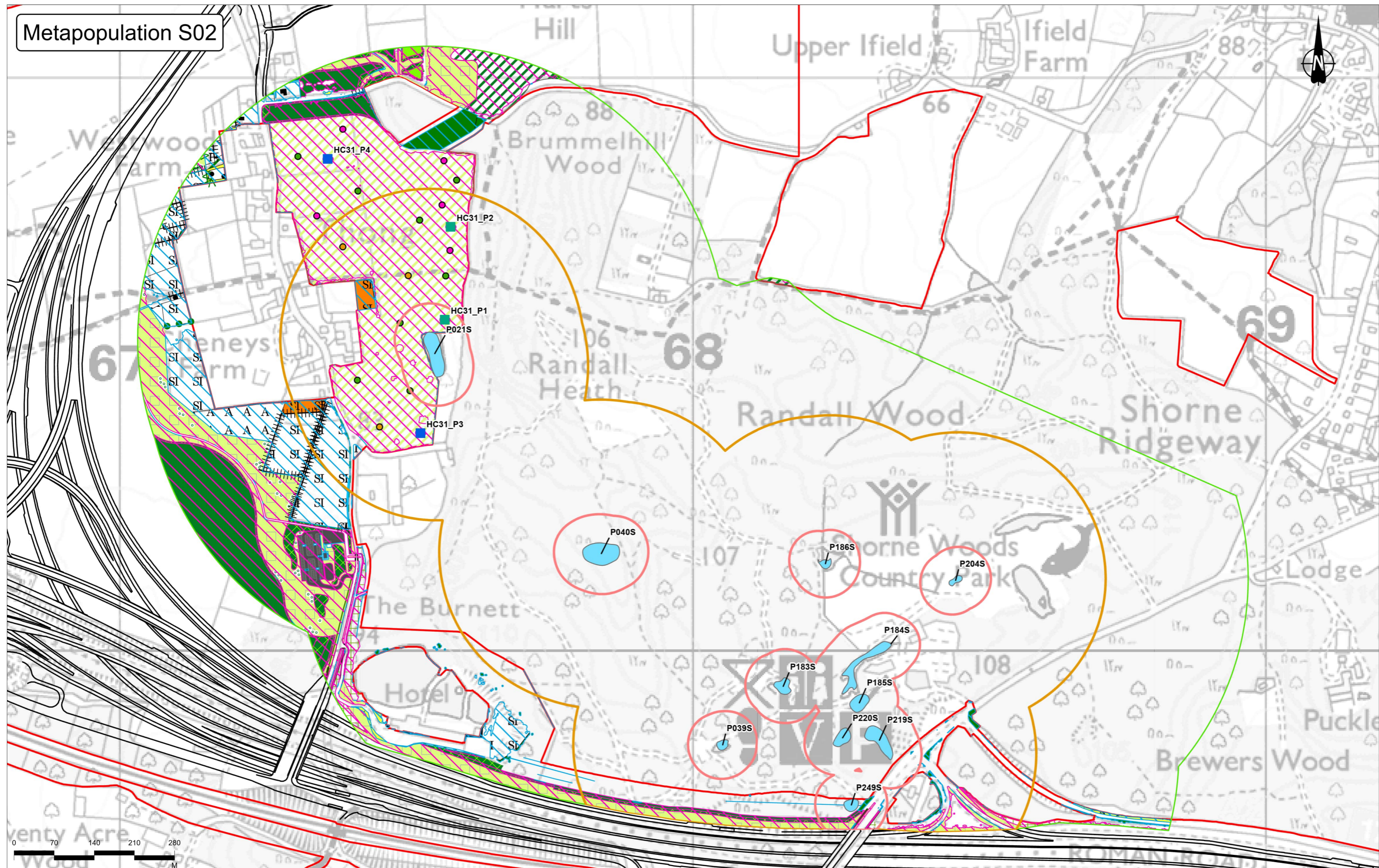
P02	S8	27/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

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 E3.1 - Habitat Measure Map Metapopulation S01 Page 1 of 25				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60035				

Metapopulation S02



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

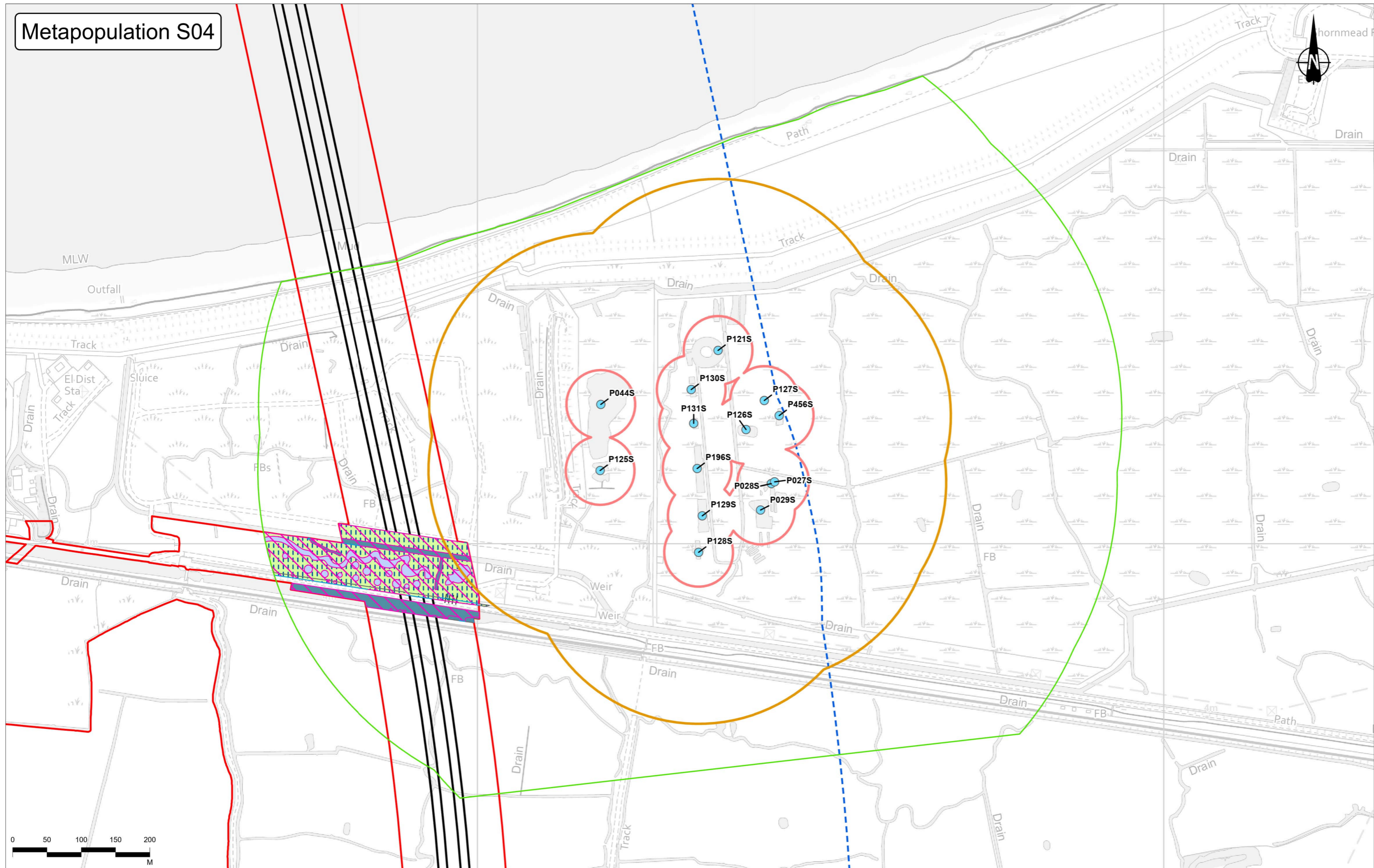
Legend	
Order Limits	Reinstated Habitat
Route Alignment	Ponds
GCN Survey Area	250m pond buffer
Habitat Creation	500m pond buffer
50m pond buffer	GCN Pond
Non GCN Pond	Large hibernacula
Refugia	Small hibernacula

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 E3.1 - Habitat Measure Map Metapopulation S02 Page 2 of 25				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60035				

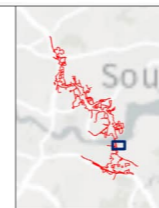
Metapopulation S04



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

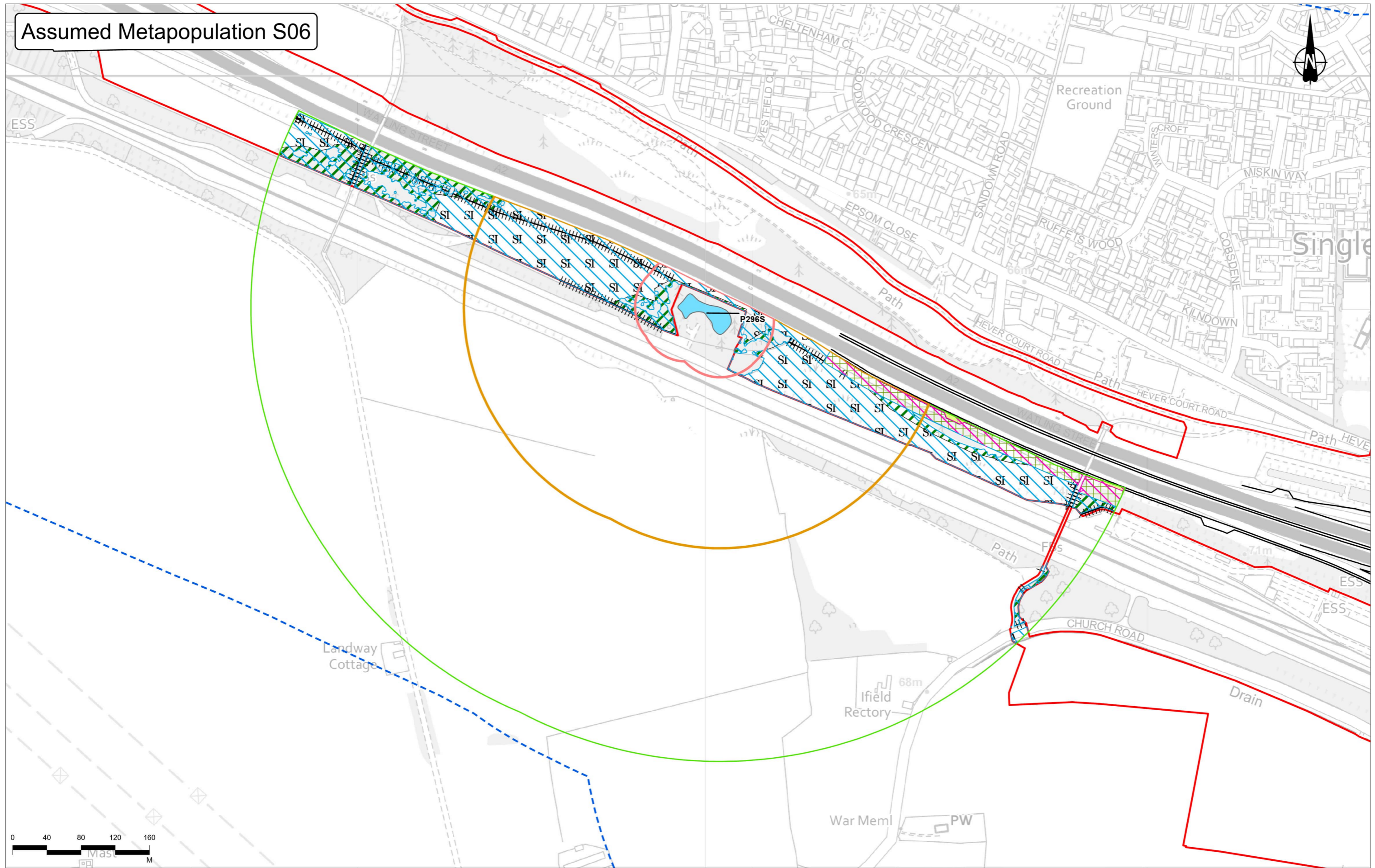


Client
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Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:5,000		
Drawing Title	Figure E3.1 - Habitat Measure Map Metapopulation S04 Page 3 of 25				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60035				

Assumed Metapopulation S06

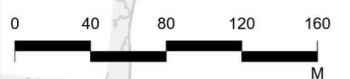
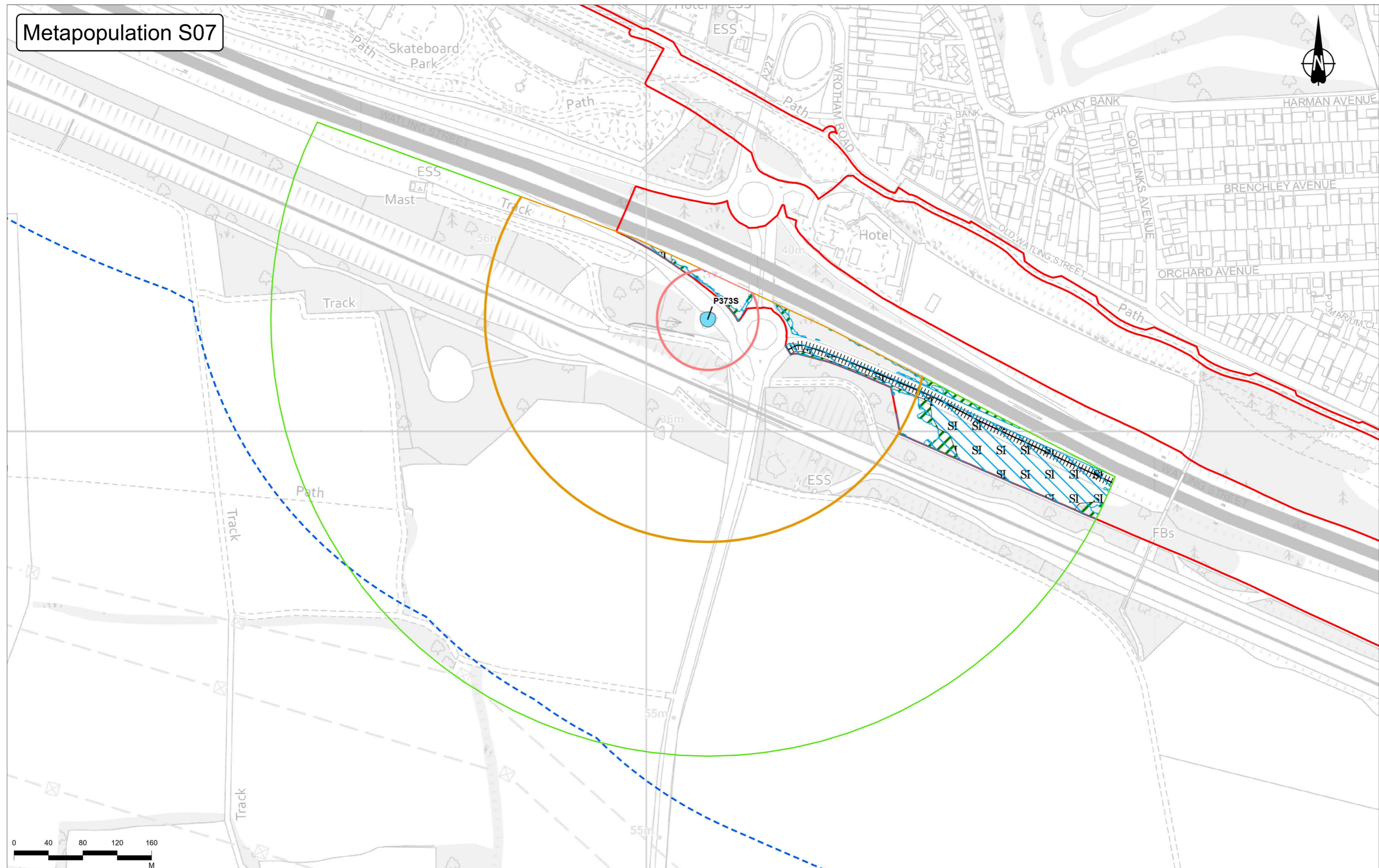


Legend		Pond buffers	
Order Limits	Habitat Creation	50m pond buffer	500m pond buffer
Route Alignment	Reinstated Habitat	250m pond buffer	
GCN Survey Area	Ponds		

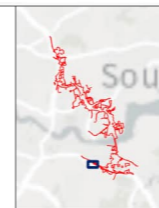
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	Project	Application Document Number	TR010032/APP/6.2	Scale	1:4,000		
LOWER THAMES CROSSING		Drawing Title	Figure E3.1 - Habitat Measure Map Assumed Metapopulation S06 Page 4 of 25				
		Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60035				

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

Metapopulation S07



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



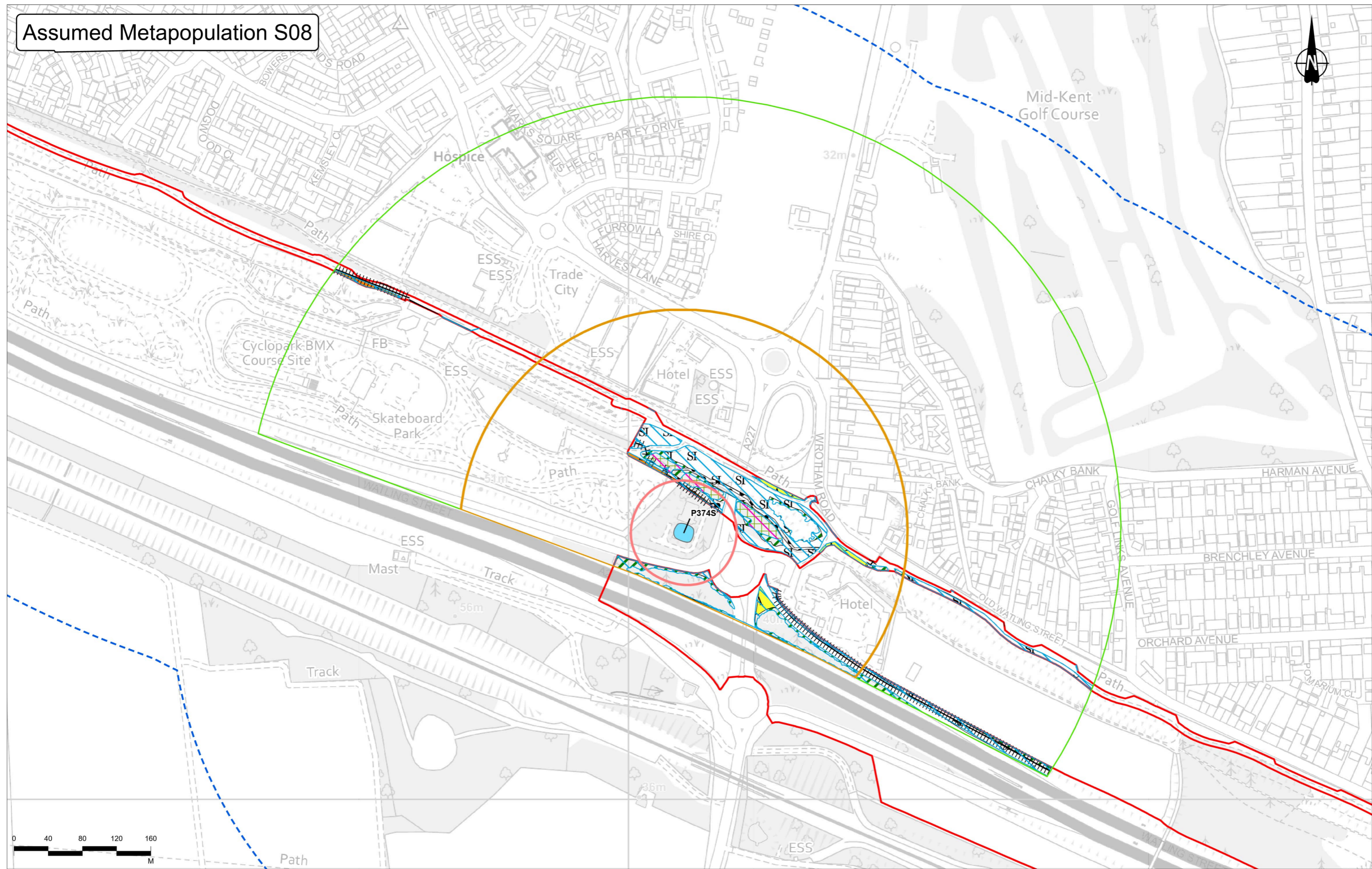
Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:4,000		
Drawing Title	Figure E3.1 - Habitat Measure Map Metapopulation S07 Page 5 of 25				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60035				

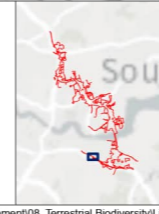
P02	S8	27/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprvd

Assumed Metapopulation S08



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

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



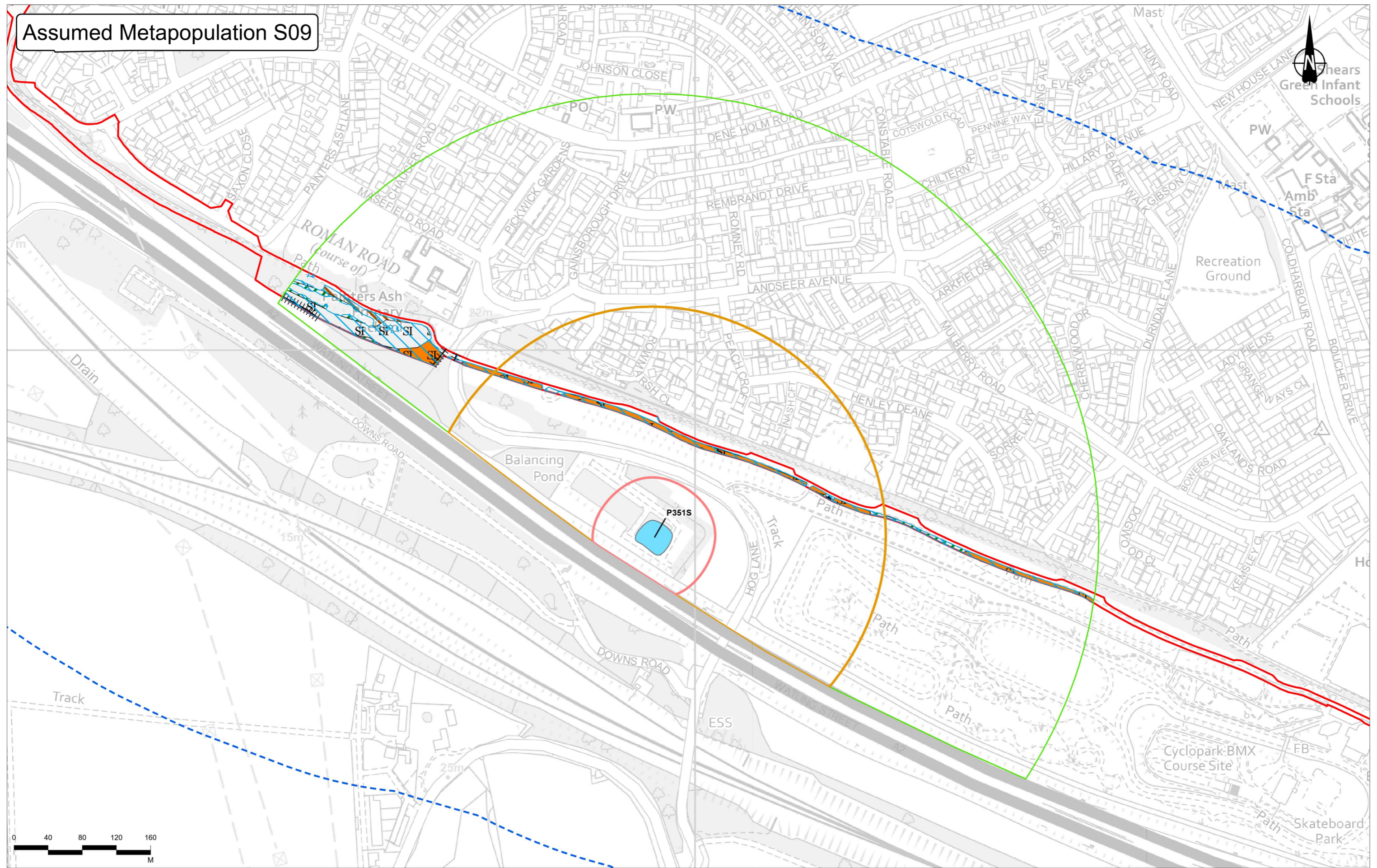
Client
national highways

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 E3.1 - Habitat Measure Map Assumed Metapopulation S08				
	Page 6 of 25				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60035				

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Assumed Metapopulation S09



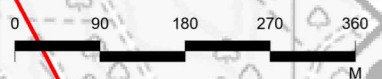
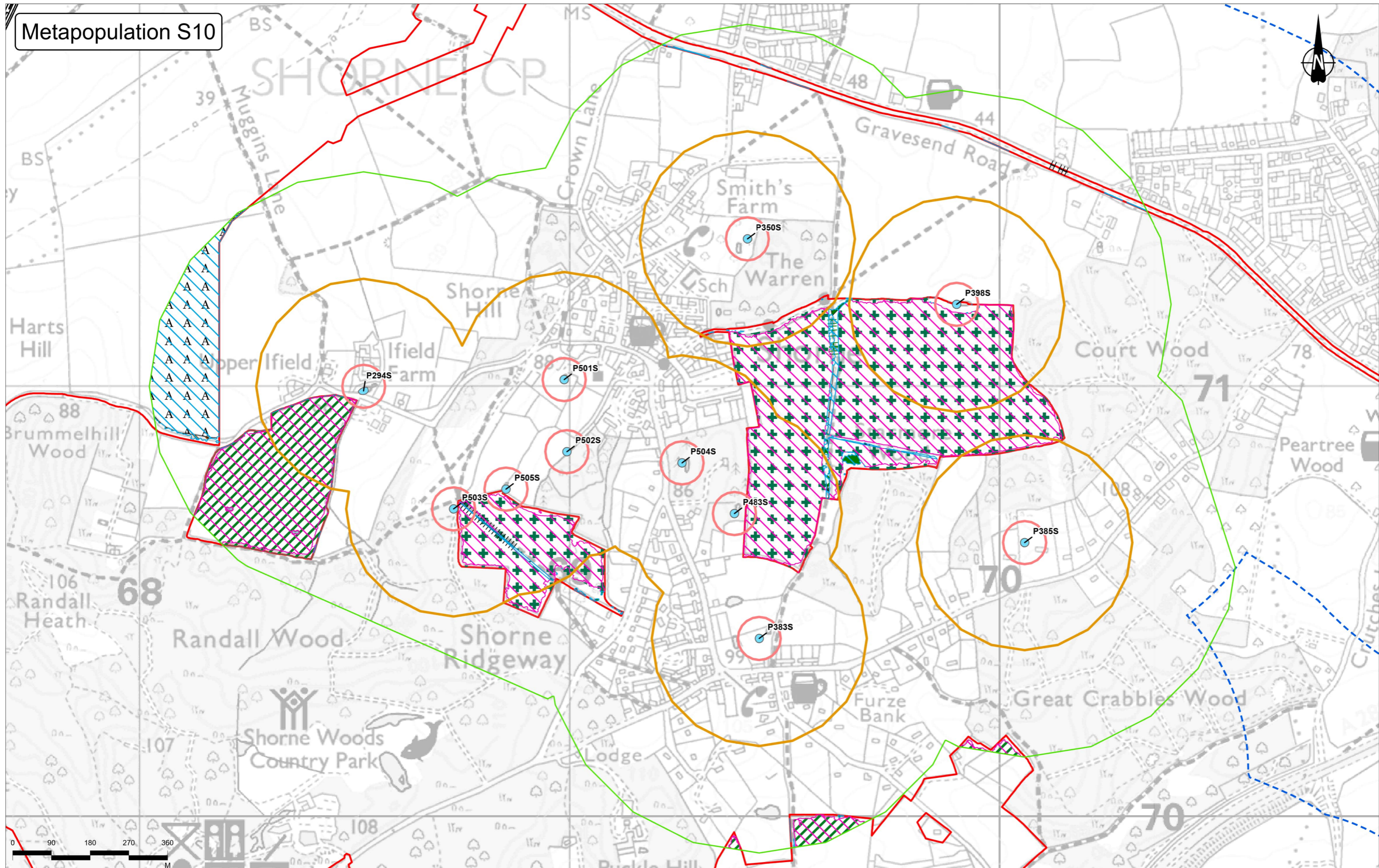
- Legend**
- Order Limits
 - GCN Survey Area
 - Reinstated Habitat
 - Ponds
 - 50m pond buffer
 - 250m pond buffer
 - 500m pond buffer

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

<p>LOWER THAMES CROSSING</p>	Status: DCO APPLICATION Application Document Number: TR010032/APP/6.2 Drawing Title: Figure E3.1 - Habitat Measure Map Assumed Metapopulation S09 Page 7 of 25	Original Size: A3 Revision: P02 Scale: 1:4,000
	Drawing Number: HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60035	
	Client: [Blank] Project: [Blank]	

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Metapopulation S10



- 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

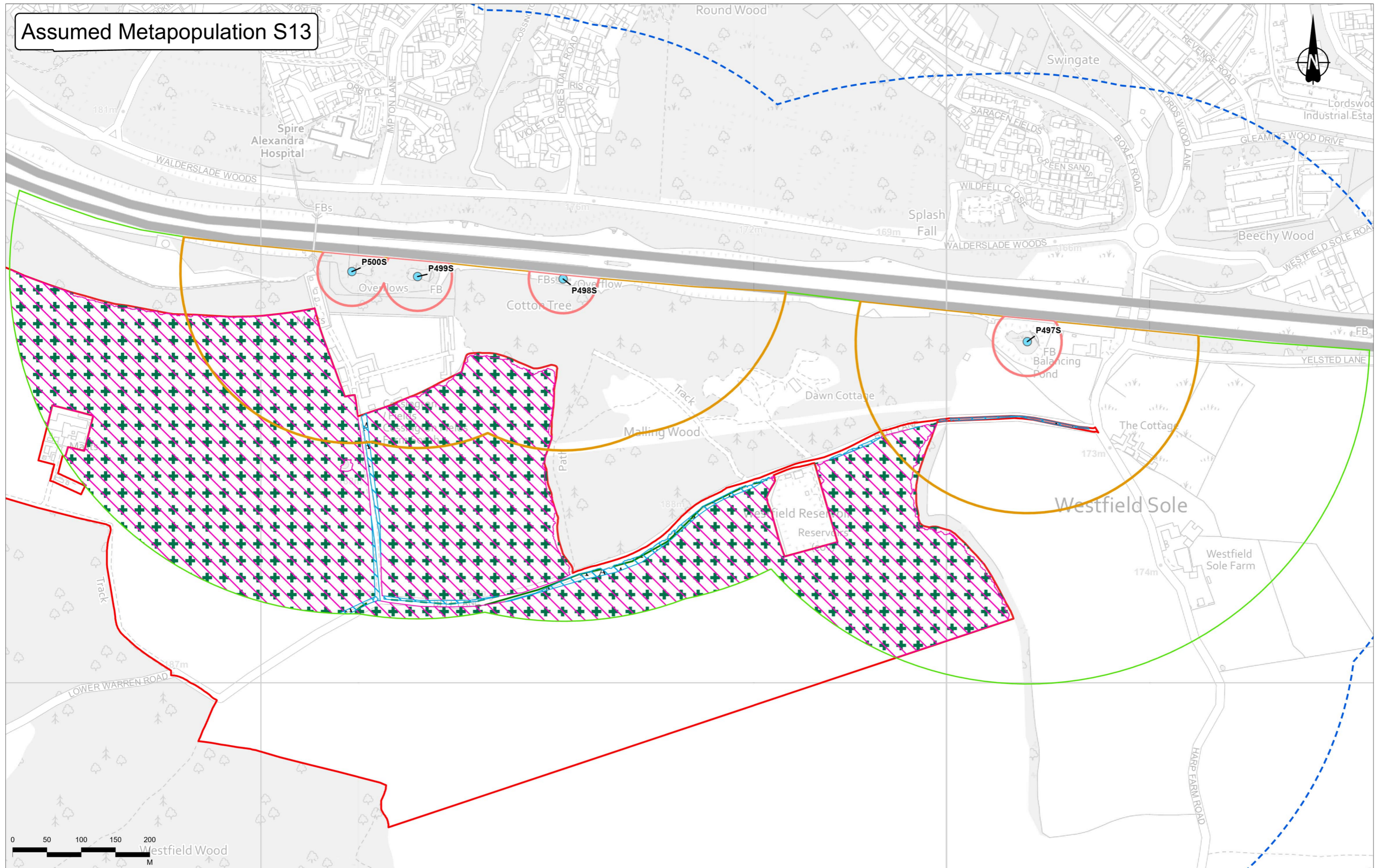
Client
national highways

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 S10 Page 8 of 25				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60035				

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

Assumed Metapopulation S13



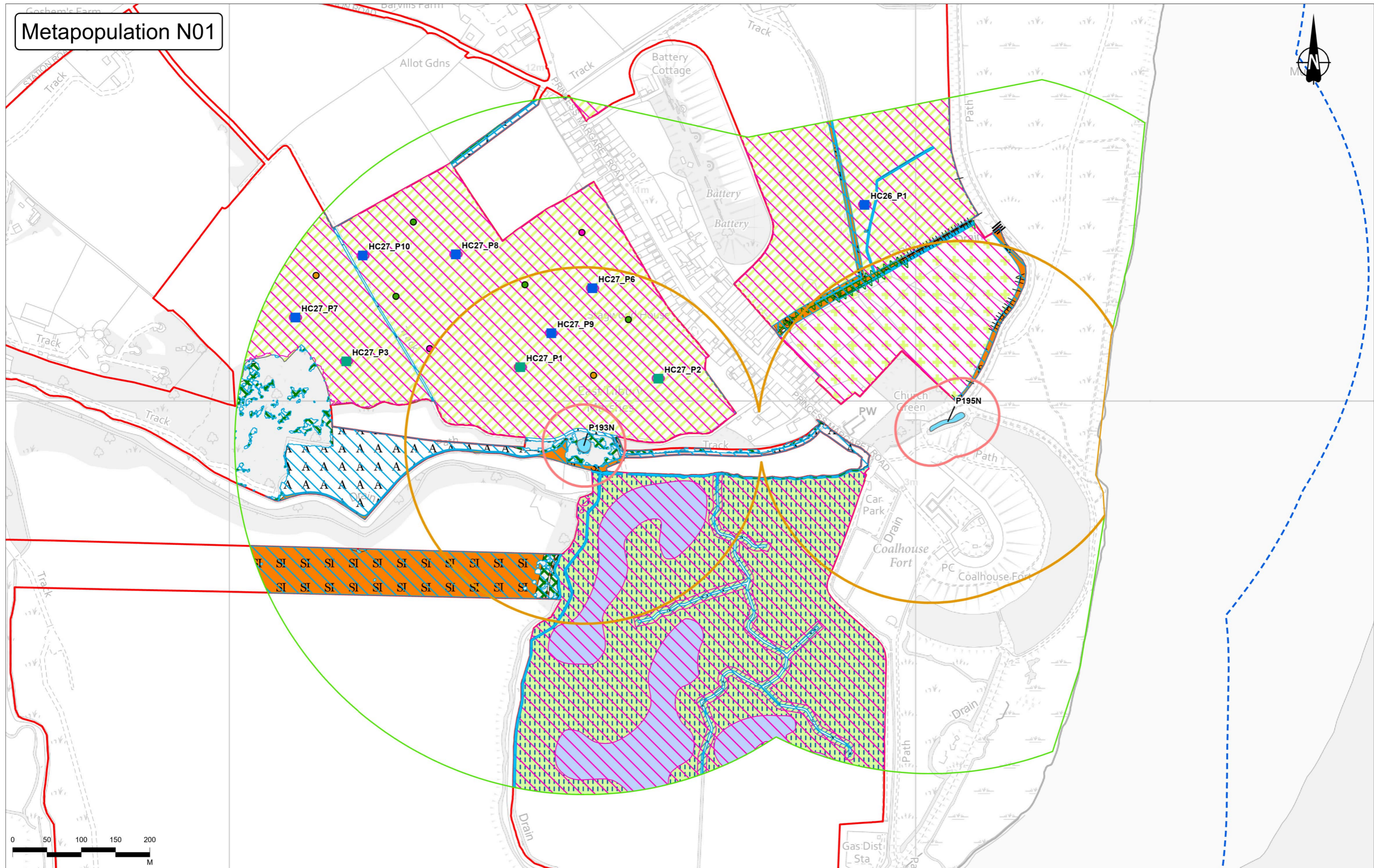
- Legend**
- Order Limits (Red line)
 - Route Alignment (Black line)
 - GCN Survey Area (Dashed blue line)
 - Habitat Creation (Pink cross-hatch)
 - Reinstated Habitat (Blue outline)
 - Ponds (Blue circle)
 - Pond buffers (Red and Orange circles)
 - 50m pond buffer (Red circle)
 - 250m pond buffer (Orange circle)
 - 500m pond buffer (Green line)

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

<p>Client</p> <p>Project</p> <p>LOWER THAMES CROSSING</p>	<p>Status</p> <p>DCO APPLICATION</p>	<p>Original Size</p> <p>A3</p>	<p>Revision</p> <p>P02</p>
	<p>Application Document Number</p> <p>TR010032/APP/6.2</p>	<p>Scale</p> <p>1:5,000</p>	
	<p>Drawing Title</p> <p>Figure E3.1 - Habitat Measure Map Assumed Metapopulation S13</p> <p>Page 9 of 25</p>		
<p>Drawing Number</p> <p>HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60035</p>			

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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

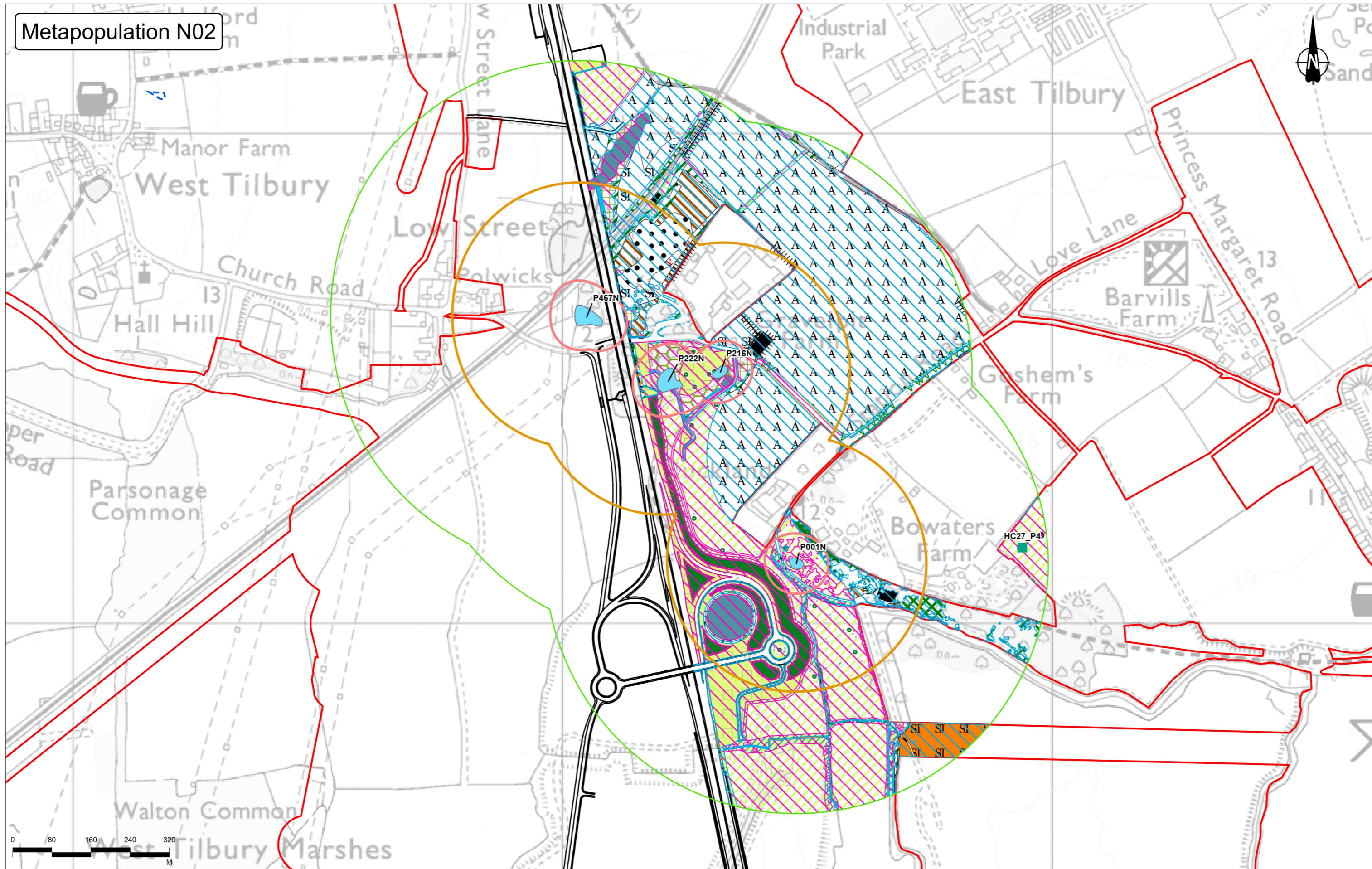
- Legend**
- [Red Outline] Order Limits
 - [Blue Diagonal Lines] Reinstated Habitat
 - [Orange Outline] 250m pond buffer
 - [Blue Square] Non GCN Pond
 - [Black Line] Route Alignment
 - [Light Blue] Ponds
 - [Green Outline] 500m pond buffer
 - [Yellow Circle] Large hibernacula
 - [Blue Dashed Line] GCN Survey Area
 - [Pink Diagonal Lines] Pond buffers
 - [Green Square] Mitigation
 - [Green Circle] Refugia
 - [Pink Diagonal Lines] Habitat Creation
 - [Red Outline] 50m pond buffer
 - [Green Square] GCN Pond
 - [Pink Circle] 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	1:5,000		
Drawing Title	Figure E3.1 - Habitat Measure Map Metapopulation N01 Page 10 of 25				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60035				

Metapopulation N02

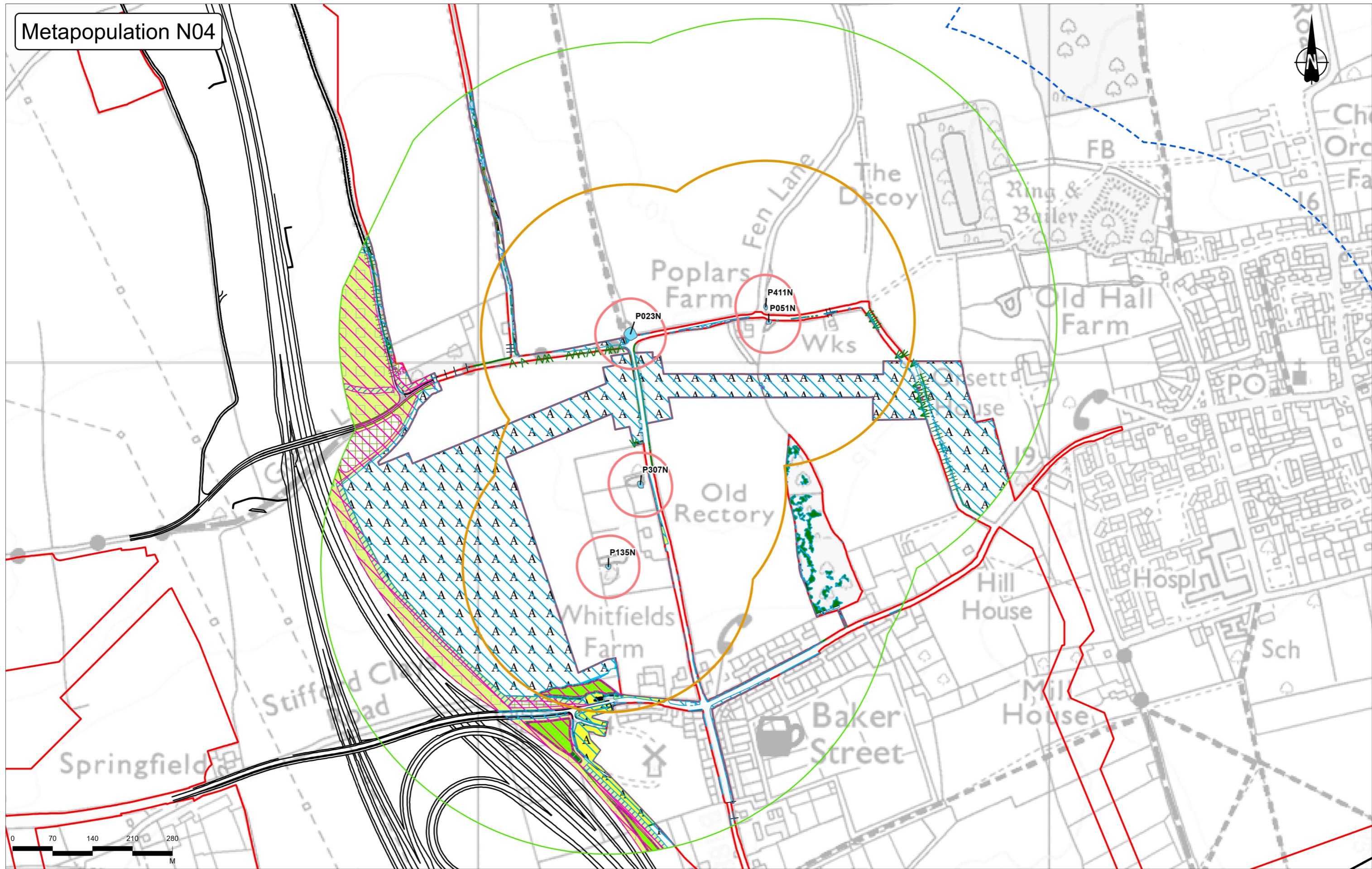


- Legend**
- ▭ Order Limits
 - ▭ Reinstated Habitat
 - ▭ 250m pond buffer
 - Small hibernacula
 - Route Alignment
 - ▭ Ponds
 - ▭ 500m pond buffer
 - ▭ GCN Survey Area
 - ▭ Pond buffers
 - ▭ Mitigation
 - ▭ Habitat Creation
 - ▭ 50m pond buffer
 - ▭ GCN Pond

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

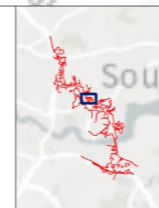
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	Project	Application Document Number	TR010032/APP/6.2	Scale	1:7,000		
		Drawing Title	Figure E3.1 - Habitat Measure Map Metapopulation N02				
			Page 11 of 25				
		Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60035				

Metapopulation N04



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

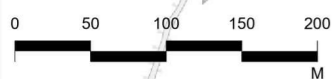
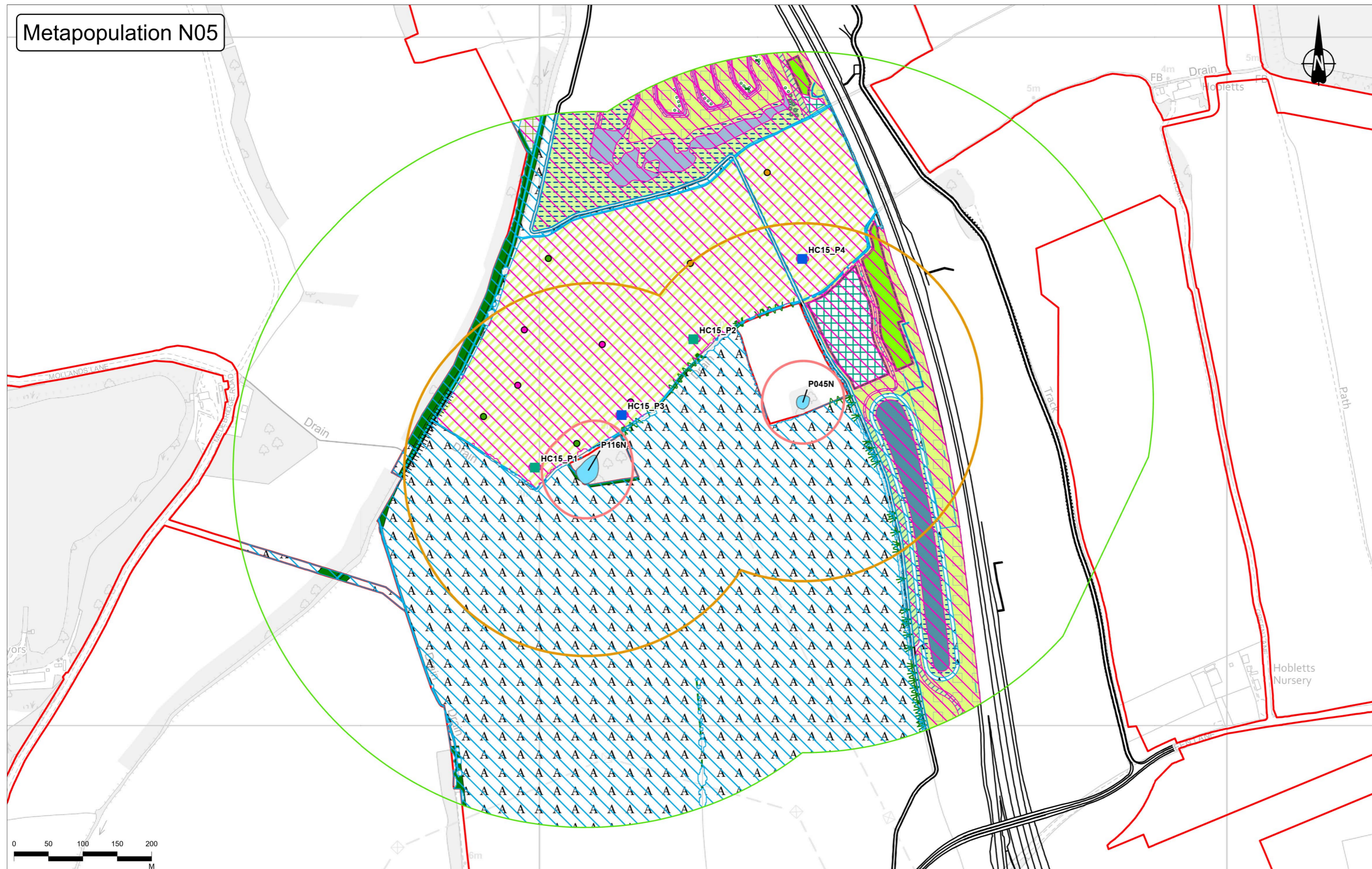


Client
 national highways
 Project
LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:6,000		
Drawing Title	Figure E3.1 - Habitat Measure Map Metapopulation N04 Page 12 of 25				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60035				

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

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	Reinstated Habitat	250m pond buffer	Non GCN Pond
Route Alignment	Ponds	500m pond buffer	Large hibernacula
GCN Survey Area	Pond buffers	Mitigation	Refugia
Habitat Creation	50m pond buffer	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	1:5,000		
Drawing Title	Figure E3.1 - Habitat Measure Map Metapopulation N05 Page 13 of 25				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60035				

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