

Lower Thames Crossing

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

(3 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



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P02	S8	16/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

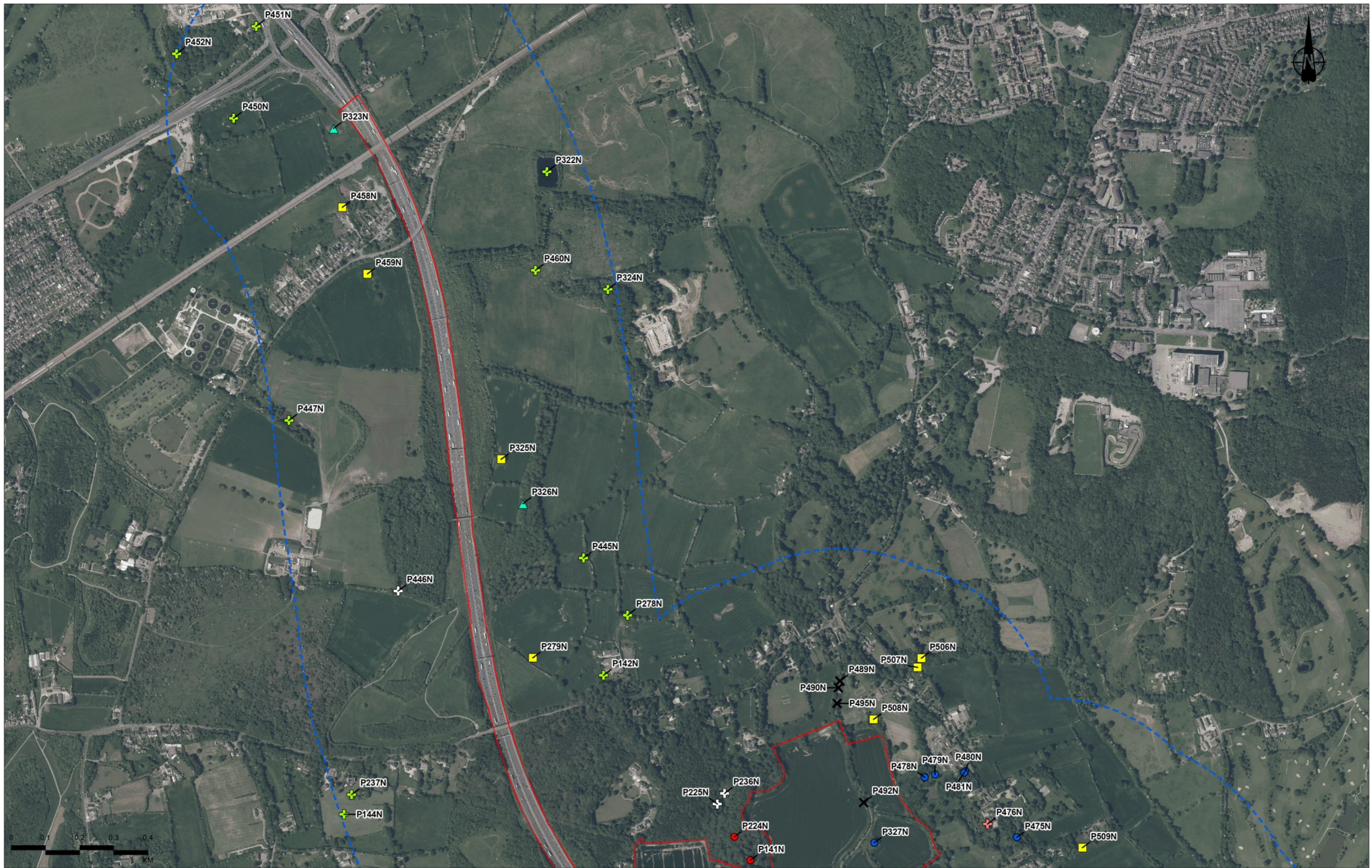
Legend

Order Limits	Assumed present - No access	Unknown - Scoped out	No pond
GCN Survey Area	Absent - Conventional (2018)	Dry	Scoped out - unsuitable (2022)
Pond Status, Survey Year	Absent - eDNA (2019)	No pond	Unsuitable
Present - Conventional (2018)	Absent - eDNA (2022)		

Client: national highways

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 C3.2b Survey Map Page 14 of 16				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60033				

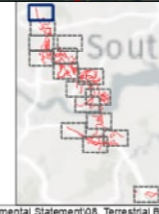


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Legend

- Order Limits
- GCN Survey Area
- Pond Status, Survey Year**
- Assumed present - No access
- Absent - Conventional (2018)
- Absent - eDNA (2022)
- ▲ Assumed absent - eDNA (2020)
- + Unknown - Scoped out
- Dry
- ✕ No pond
- + Scoped out - unsuitable (2022)

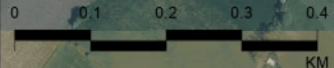
P02	S8	16/09/2022	DCO Application	CD	HT	BF
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Client: national highways

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 C3.2b Survey Map Page 15 of 16		
Drawing Number: HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60033		

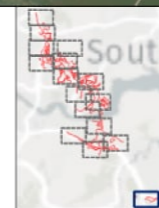


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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P02	S8	16/09/2022	DCO Application	CD	HT	BF

Legend

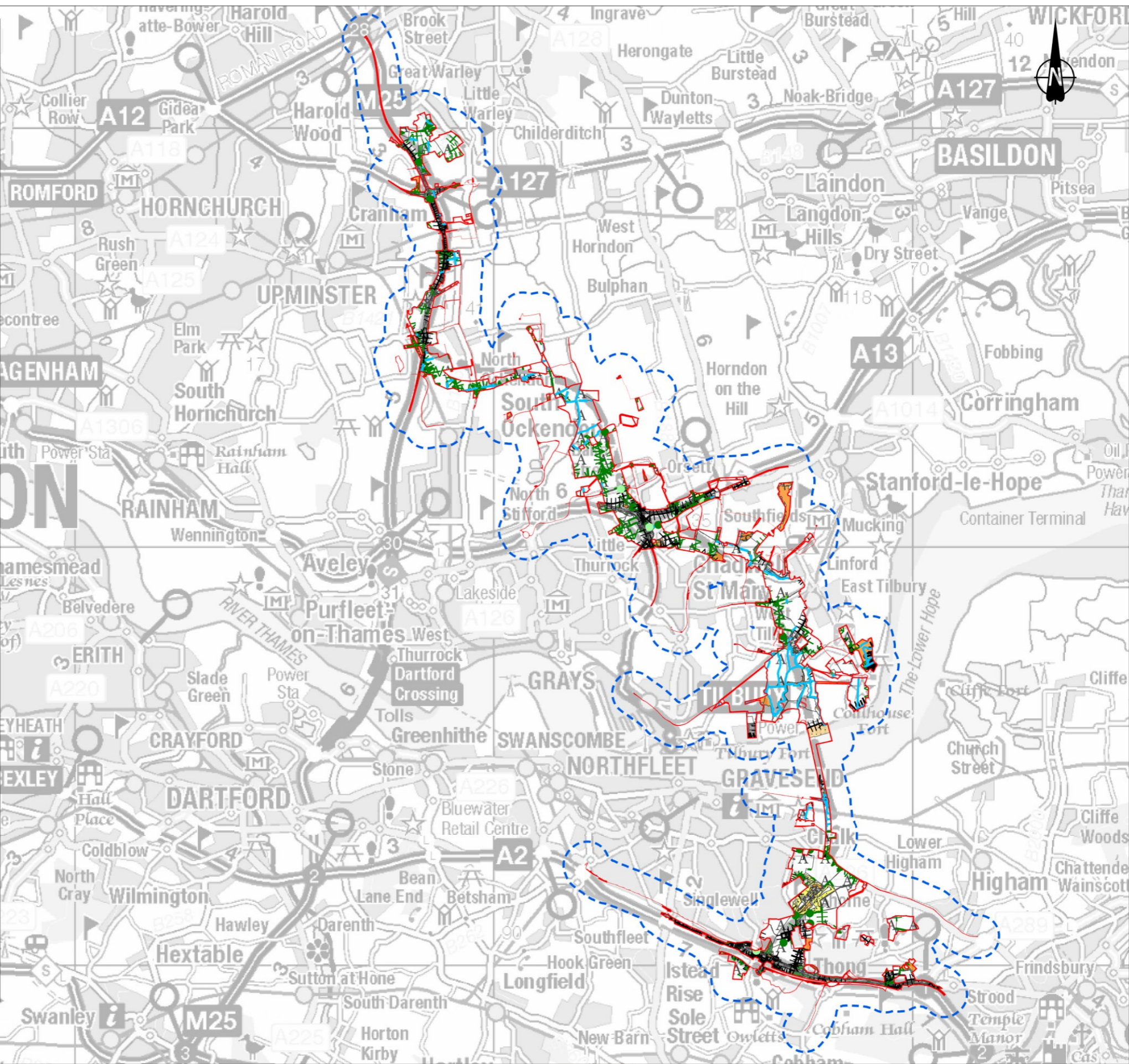
Order Limits	Pond Status, Survey Year	Unknown - Scoped out
GCN Survey Area	Assumed present - No access	No pond



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 C3.2b Survey Map Page 16 of 16				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60033				

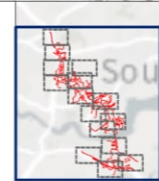


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Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved
P02	S8	22/09/2022	DCO Application	CD	HT	BF

Legend

- Order Limits
- GCN Survey Area

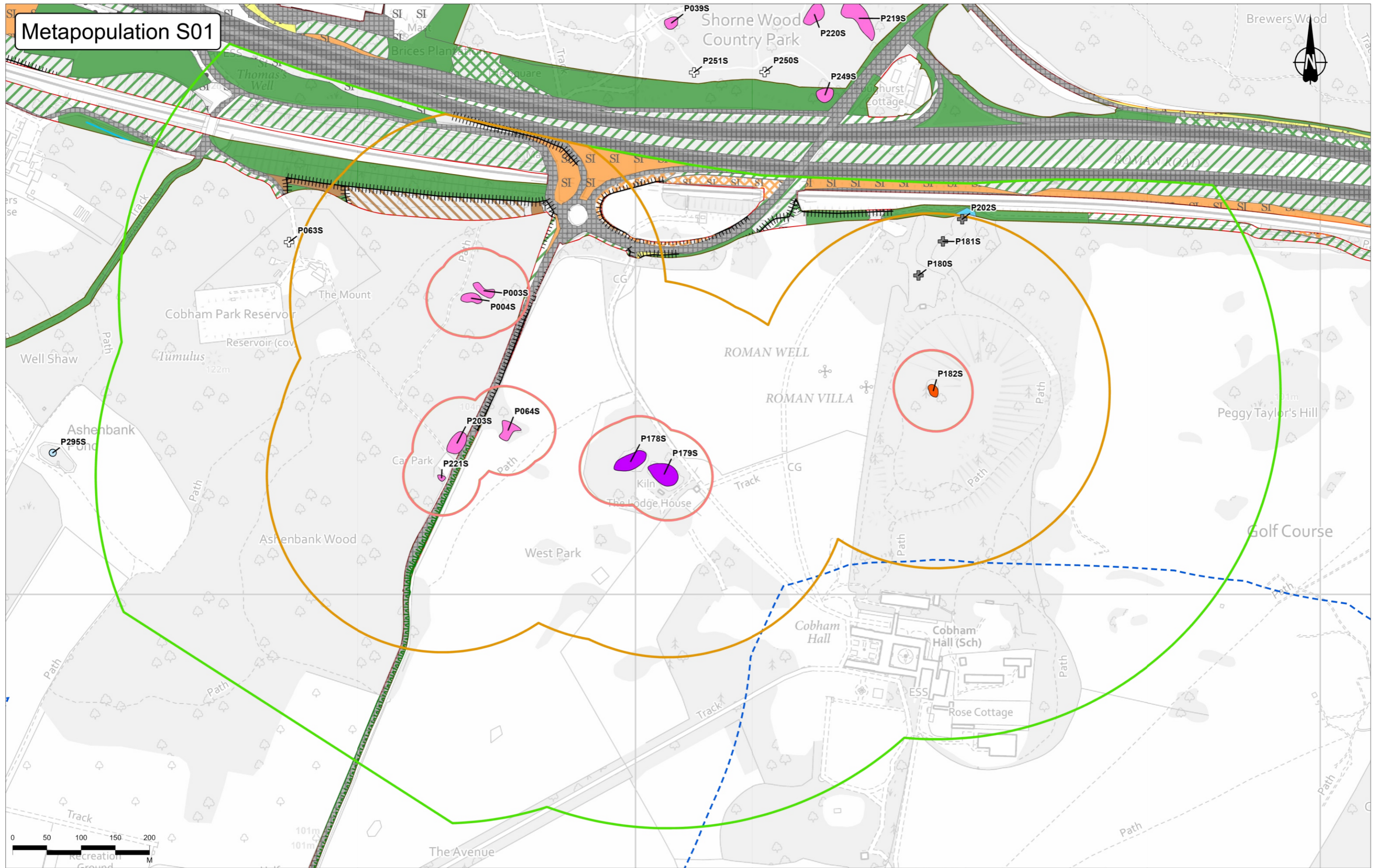


Client
national highways

Project
LOWER THAMES CROSSING

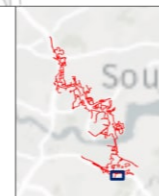
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Drawing Title	Figure C3.2c Detailed Metapopulation				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60034				

Metapopulation S01



Legend

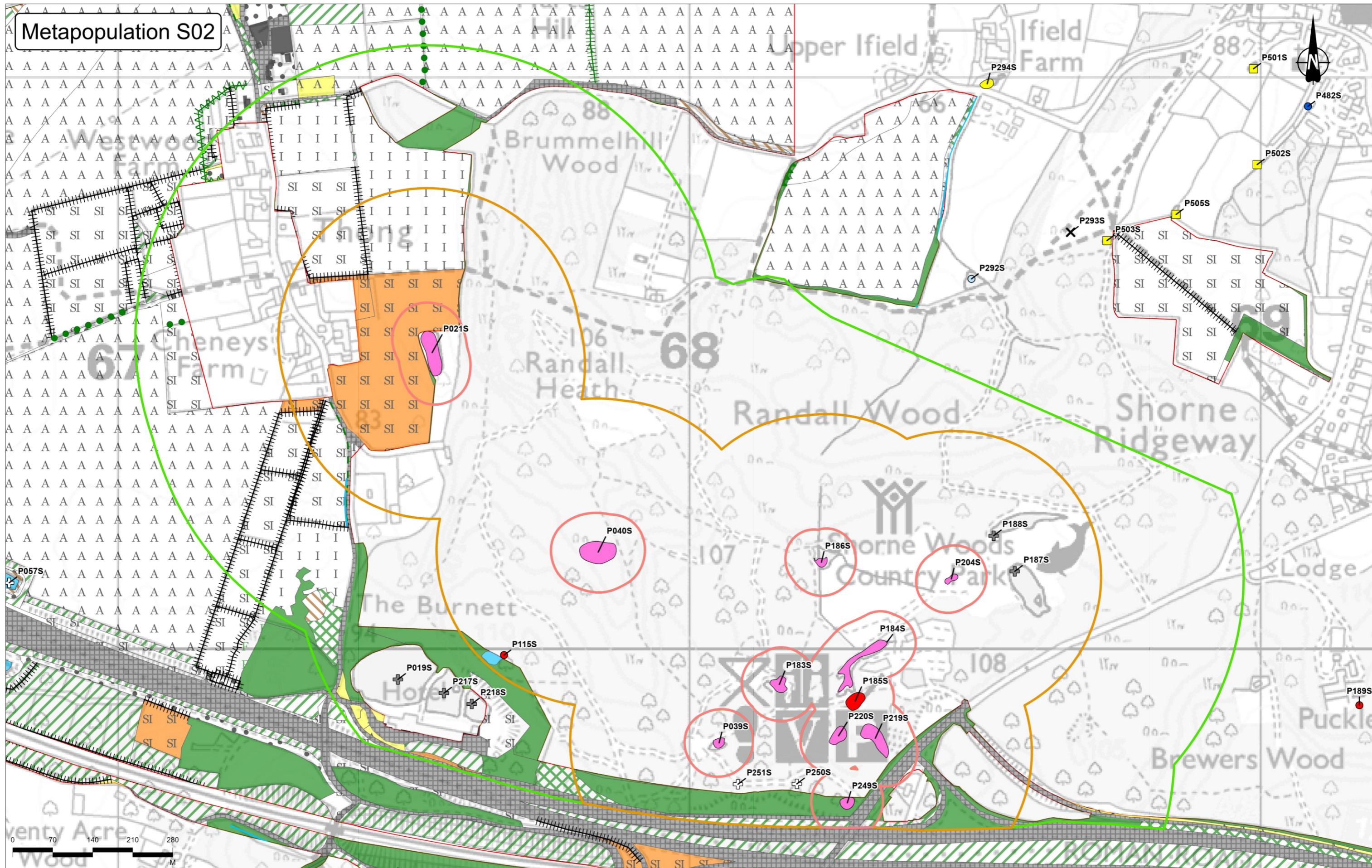
- Order Limits
- GCN Survey Area
- 50m pond buffer
- 250m pond buffer
- 500m pond buffer
- Present - Conventional
- Present - eDNA
- Assumed present - Desk Study (No access)
- Pond Status, Survey Year
- Absent - eDNA (2019)
- Dry
- Unsuitable



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 C3.2c Detailed Metapopulation S01 Page 1 of 38				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60034				

Metapopulation S02



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprvd
P02	S8	19/09/2022	DCO Application	CD	HT	BF

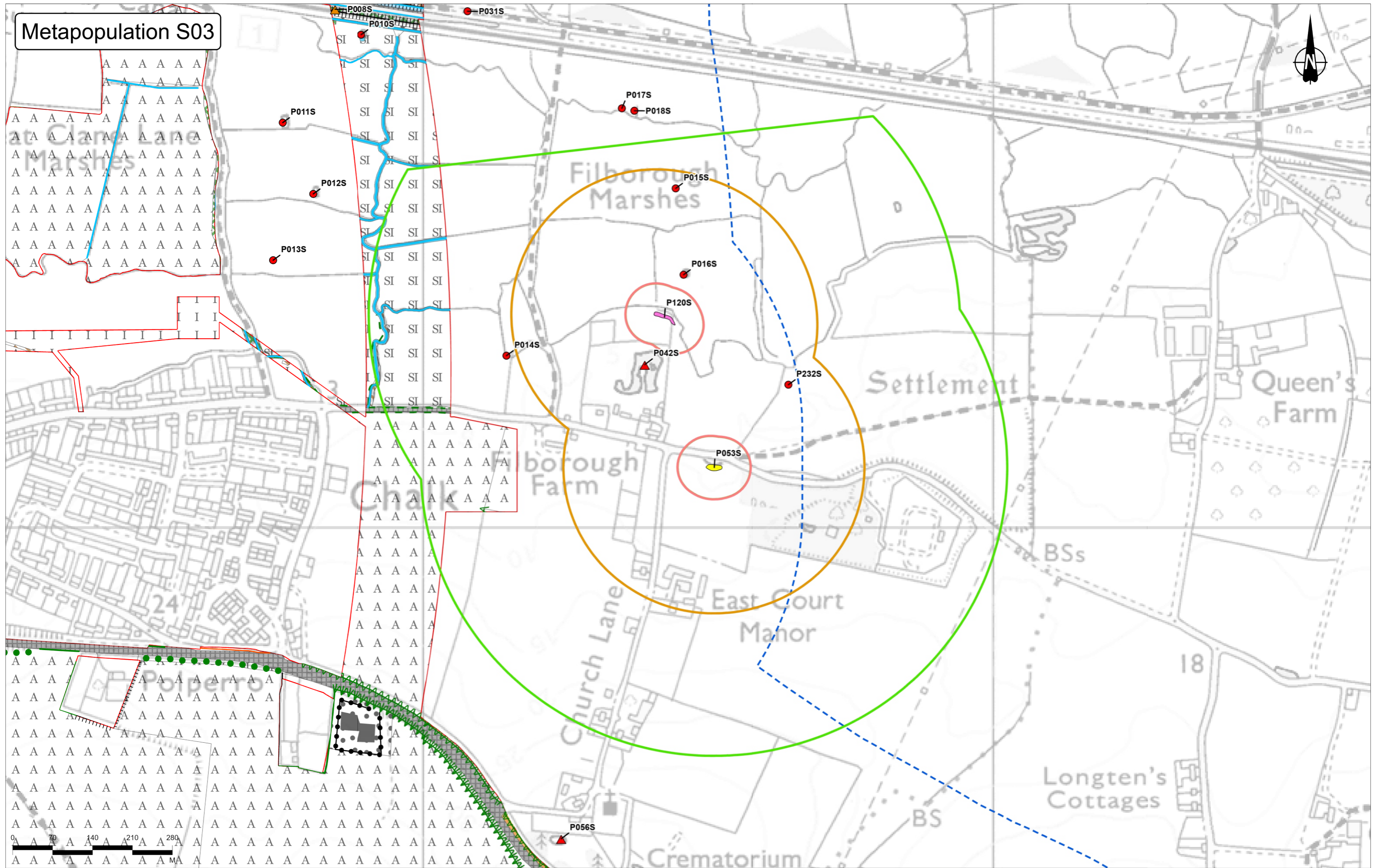
Legend	
	Order Limits
	GCN Survey Area
	50m pond buffer
	250m pond buffer
	500m pond buffer
	Assumed present - No access
	Present - Conventional
	Assumed present - Conventional
	Absent - eDNA (2022)
	Dry
	No pond
	Unsuitable
	Assumed present - No access
	Absent - Conventional (2018)
	Absent - eDNA (2019)

Client	
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 C3.2c Detailed Metapopulation S02 Page 2 of 38				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60034				

Client	
Project	LOWER THAMES CROSSING

Metapopulation S03



Legend		Pond Status, Survey Year	
Order Limits	500m pond buffer	Absent - Conventional (2018)	Assumed absent - Conventional (2018)
GCN Survey Area	Present - Conventional	Assumed absent - Conventional & eDNA (2018)	No pond
50m pond buffer	Assumed present - No access		
250m pond buffer			

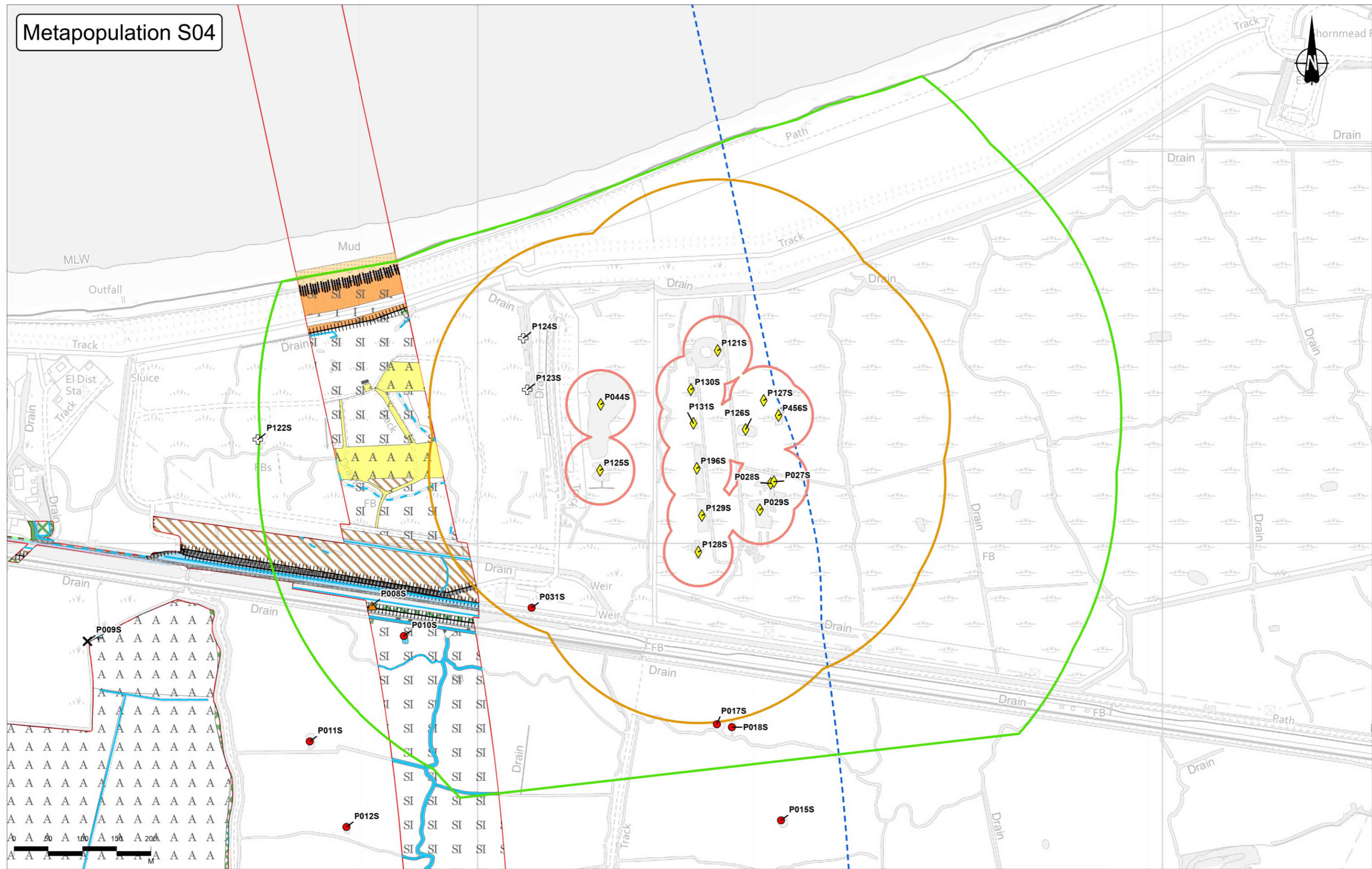
P02	S8	19/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

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 C3.2c Detailed Metapopulation S03 Page 3 of 38				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60034				

Metapopulation S04



Legend

- Order Limits: Red line
- GCN Survey Area: Blue dashed line
- Pond buffers:
 - 50m pond buffer: Red outline
 - 250m pond buffer: Orange outline
 - 500m pond buffer: Green outline
- Pond Status, Survey Year:
 - Present - Incidental sighting (2017 & 2018): Yellow diamond
 - Absent - Conventional (2018): Red circle
 - Assumed absent - Conventional & eDNA (2018): Orange triangle
 - Dry: Cross symbol
 - No pond: X symbol

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprvd
P02	S8	19/09/2022	DCO Application	CD	HT	BF

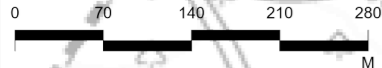
Client: **national highways**

Project: **LOWER THAMES CROSSING**

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Application Document Number	TR010032/APP/6.2	Scale	1:5,000		
Drawing Title	Figure C3.2c Detailed Metapopulation S04 Page 4 of 38				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60034				

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Assumed Metapopulation S05

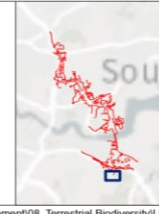


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P02	S8	19/09/2022	DCO Application	CD	HT	BF

- Legend**
- Order Limits
 - GCN Survey Area
 - 250m pond buffer
 - 500m pond buffer
 - 50m pond buffer
 - Assumed present - No access

- Pond Status, Survey Year**
- + Unknown - Scoped out

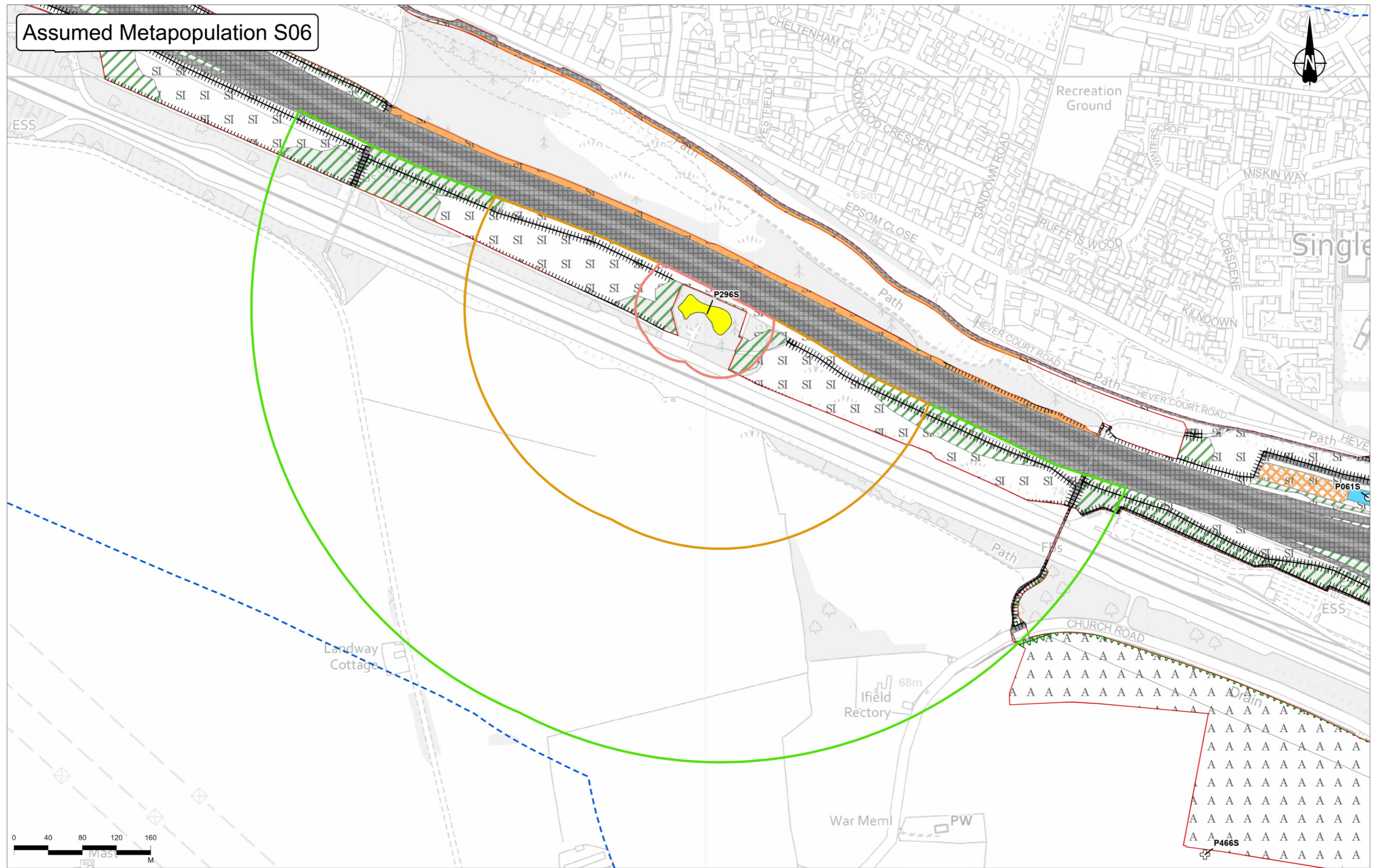


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Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:6,000		
Drawing Title	Figure C3.2c Detailed Assumed Metapopulation S05 Page 5 of 38				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60034				

Assumed Metapopulation S06



- Legend**
- Order Limits
 - GCN Survey Area
 - 500m pond buffer
 - 250m pond buffer
 - 50m pond buffer
 - Assumed present - No access

- Pond Status, Survey Year**
- Absent - eDNA (2018)
 - Dry

P02	S8	19/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved



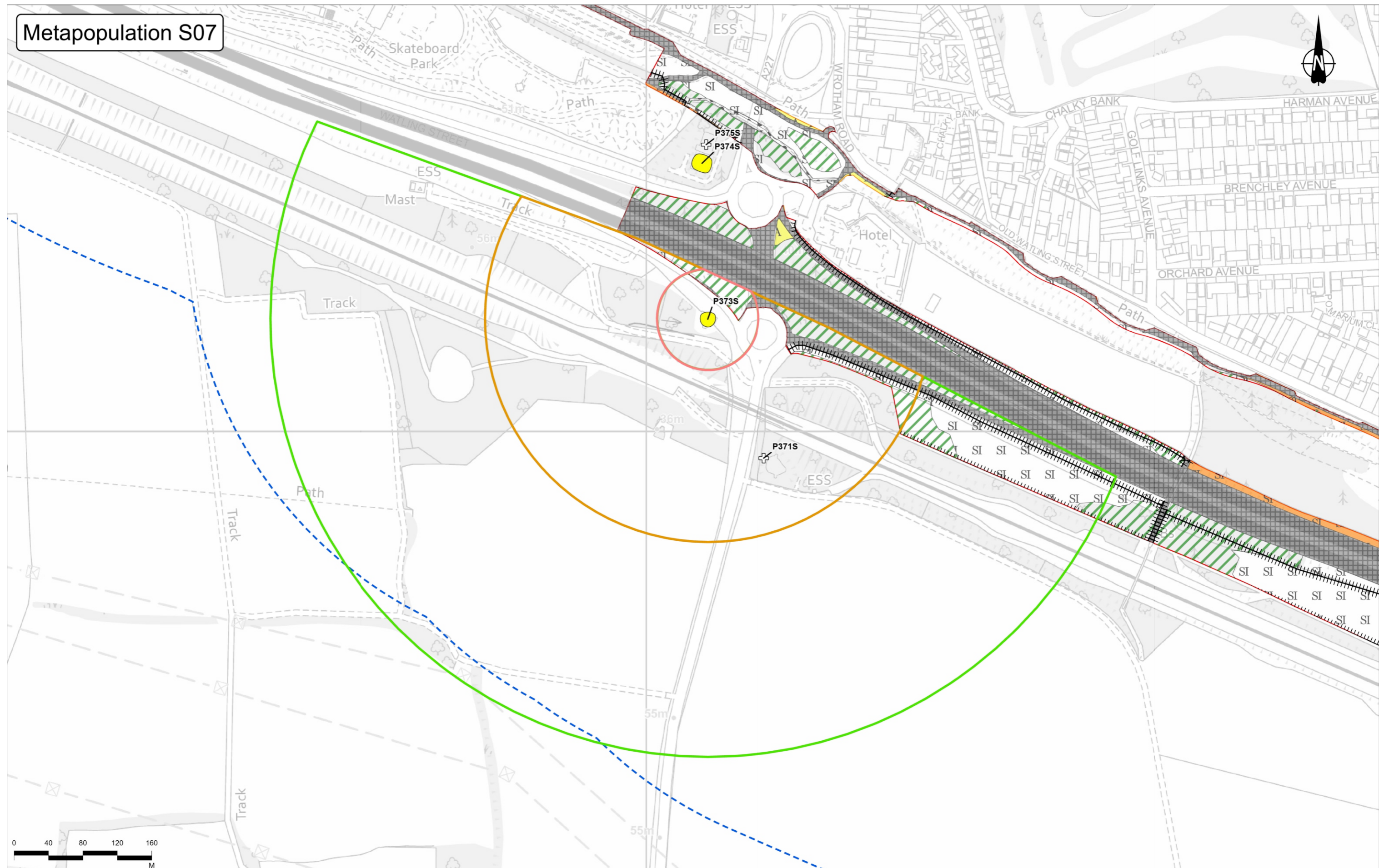
Client
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Project
LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P02
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Drawing Title	Figure C3.2c Detailed Assumed Metapopulation S06 Page 6 of 38				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60034				

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Metapopulation S07



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P02	S8	19/09/2022	DCO Application	CD	HT	BF

Legend		Pond Status, Survey Year	
	Order Limits		250m pond buffer
	GCN Survey Area		500m pond buffer
	50m pond buffer		Assumed present - No access
	Dry		

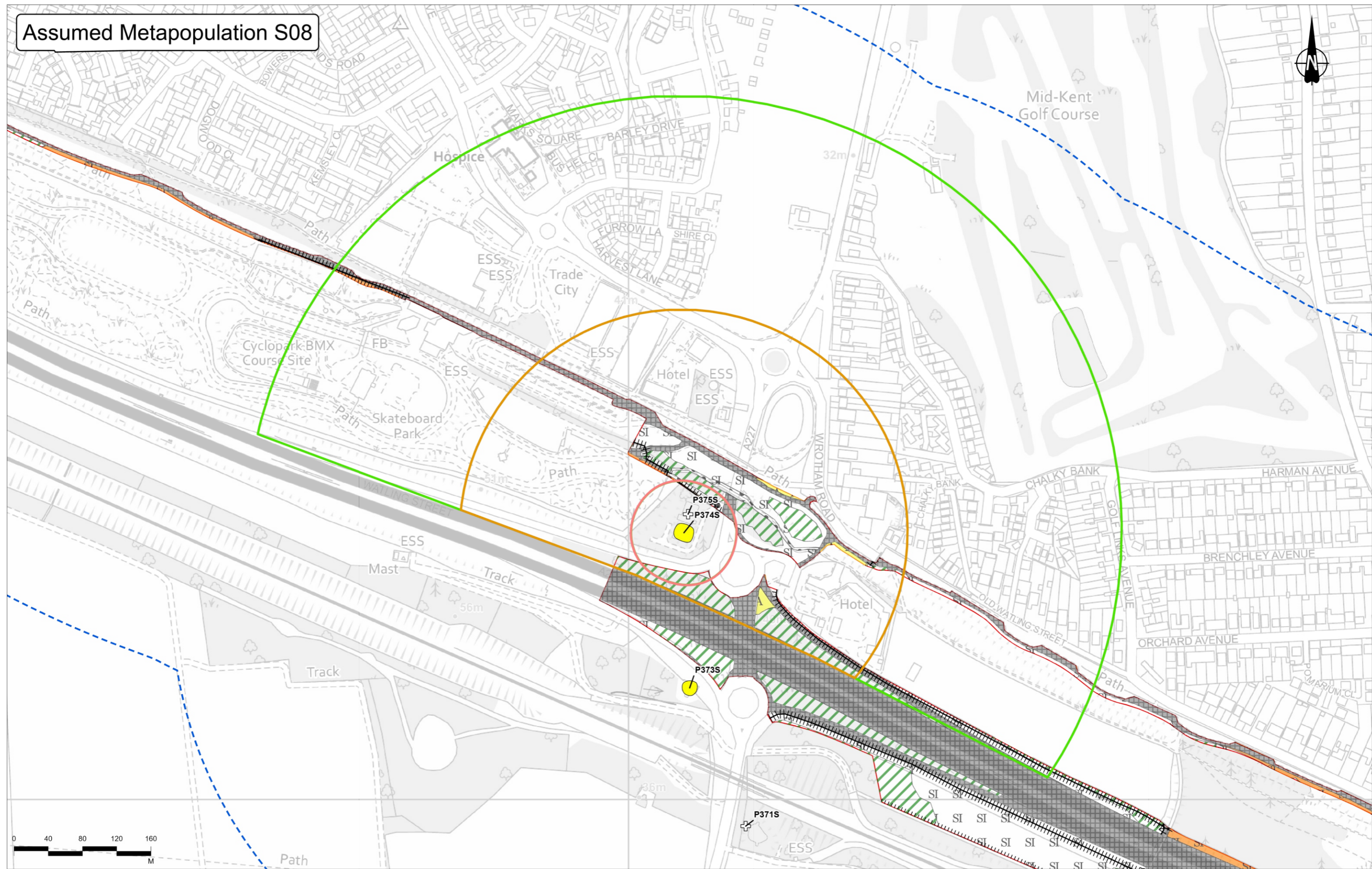


Client:

Project: LOWER THAMES CROSSING

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Application Document Number	TR010032/APP/6.2	Scale	1:4,000		
Drawing Title	Figure C3.2c Detailed Metapopulation S07 Page 7 of 38				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60034				

Assumed Metapopulation S08



- Legend**
- Order Limits
 - GCN Survey Area
 - 50m pond buffer
 - 250m pond buffer
 - 500m pond buffer
 - Ponds
 - Assumed present - No access
- Pond Status, Survey Year**
- + Dry

P02	S8	19/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved



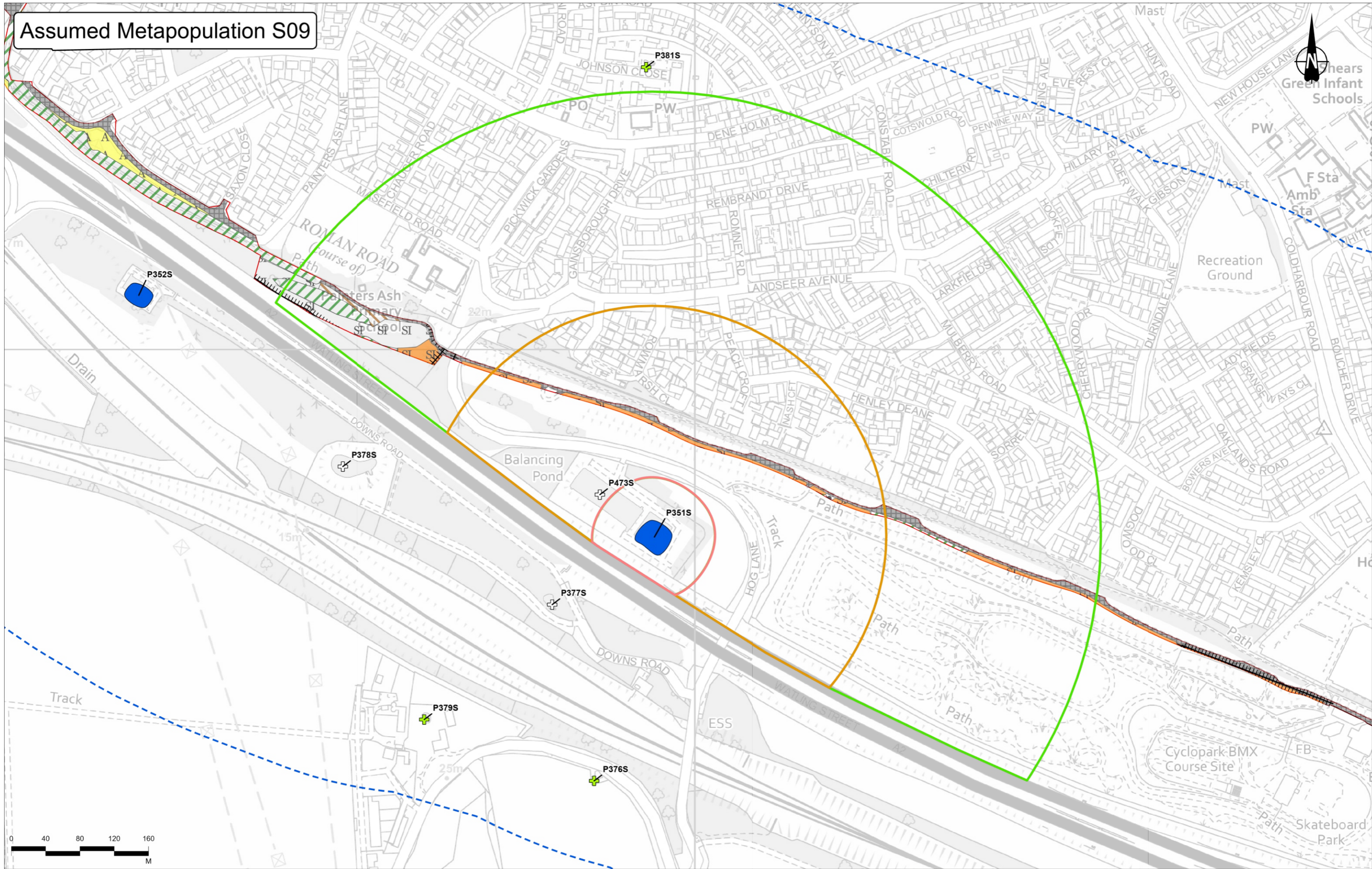
Client
national highways

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 C3.2c Detailed Assumed Metapopulation S08				
	Page 8 of 38				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60034				

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Assumed Metapopulation S09



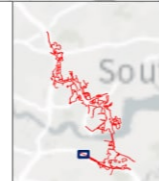
Legend

- Order Limits
- GCN Survey Area
- Pond buffers**
- 50m pond buffer
- 250m pond buffer
- 500m pond buffer
- Ponds**
- Assumed present - eDNA inconclusive

Pond Status, Survey Year

- + Unknown - Scoped out
- + Dry

P02	S8	19/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

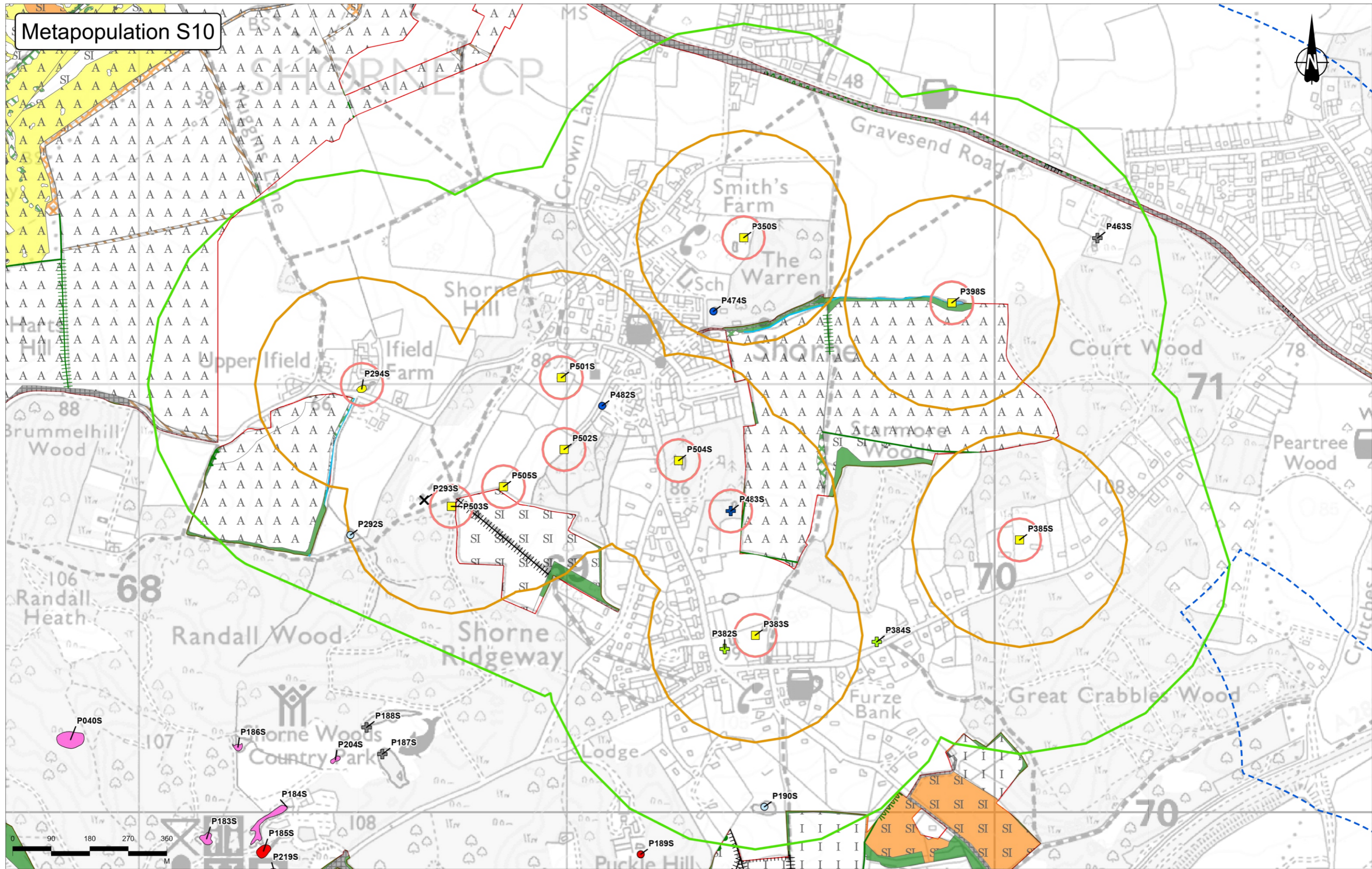


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Project
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Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:4,000		
Drawing Title	Figure C3.2c Detailed Assumed Metapopulation S09 Page 9 of 38				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60034				

Metapopulation S10



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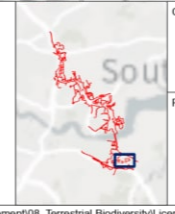
P02	S8	19/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

Legend

Order Limits	500m pond buffer
GCN Survey Area	Ponds
50m pond buffer	Present - Conventional
250m pond buffer	Assumed present - Conventional
	Assumed present - No access

Pond Status, Survey Year

Assumed present - No access	Positive - eDNA (2022)
Absent - Conventional (2018)	Unknown - Scoped out
Absent - eDNA (2019)	No pond
Absent - eDNA (2022)	Unsuitable

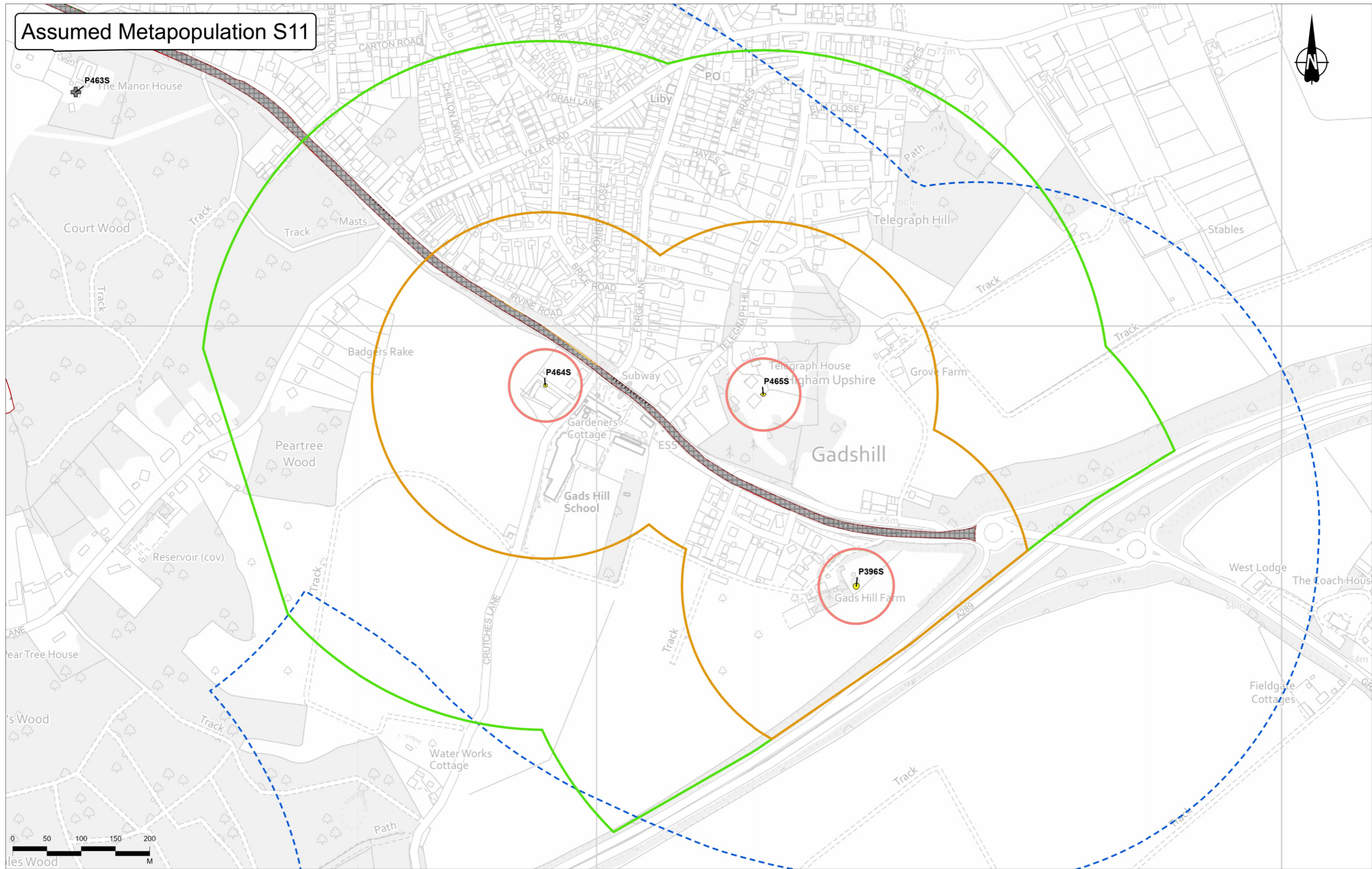


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	Page 10 of 38				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60034				

Assumed Metapopulation S11



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved
P02	S8	19/09/2022	DCO Application	CD	HT	BF

Legend	
	Order Limits
	GCN Survey Area
	50m pond buffer
	250m pond buffer
	500m pond buffer
	Assumed present - No access

Pond Status, Survey Year	
	Unsuitable

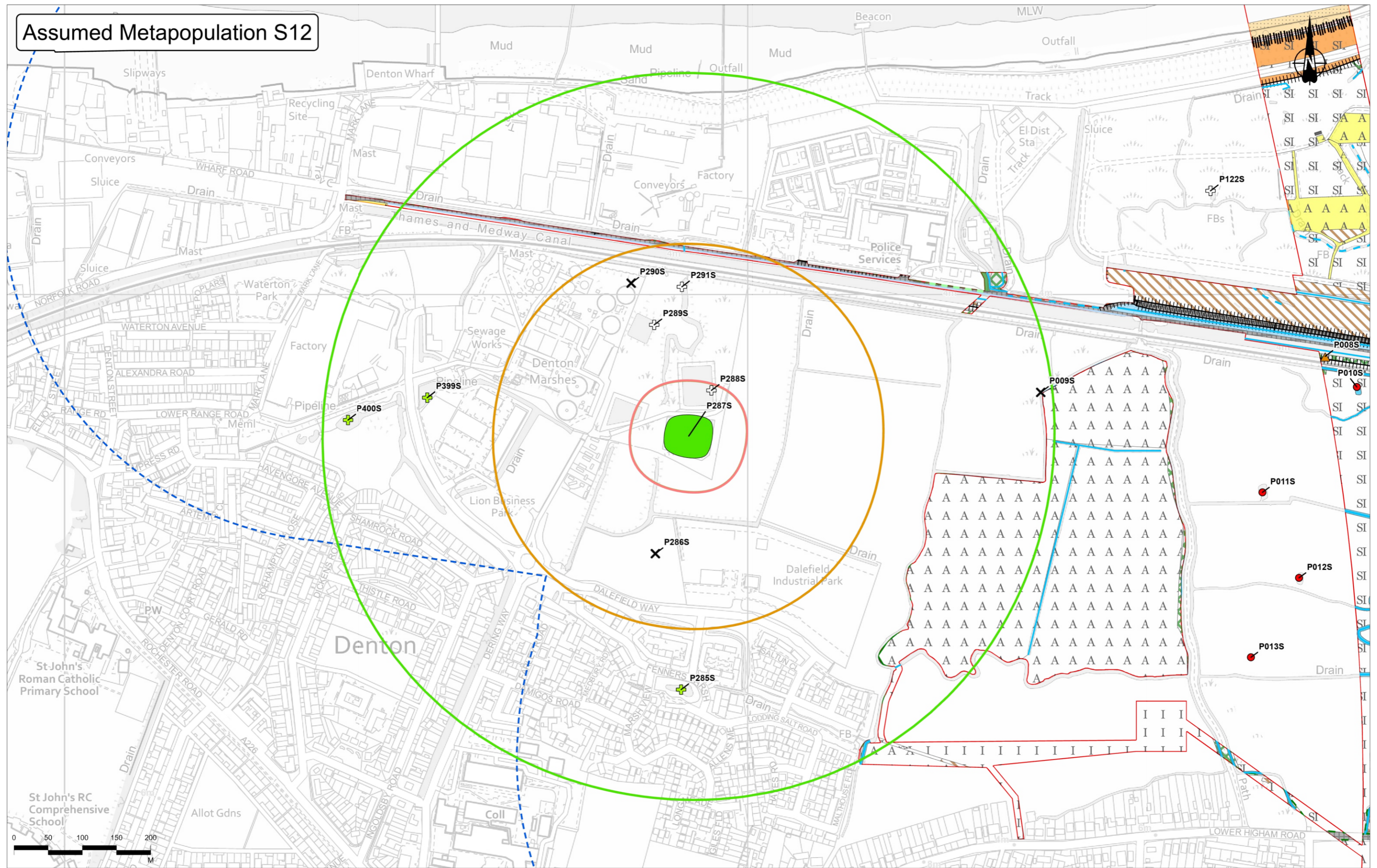


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Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:5,000		
Drawing Title	Figure C3.2c Detailed Assumed Metapopulation S11				
	Page 11 of 38				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60034				

Assumed Metapopulation S12



P02	S8	19/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

Legend	
	Order Limits
	GCN Survey Area
Pond buffers	
	50m pond buffer
	250m pond buffer
Ponds	
	500m pond buffer
	Assumed present - Unsafe to survey
Pond Status, Survey Year	
	Absent - Conventional (2018)

	Assumed absent - Conventional & eDNA (2018)
	Unknown - Scoped out
	Dry
	No pond

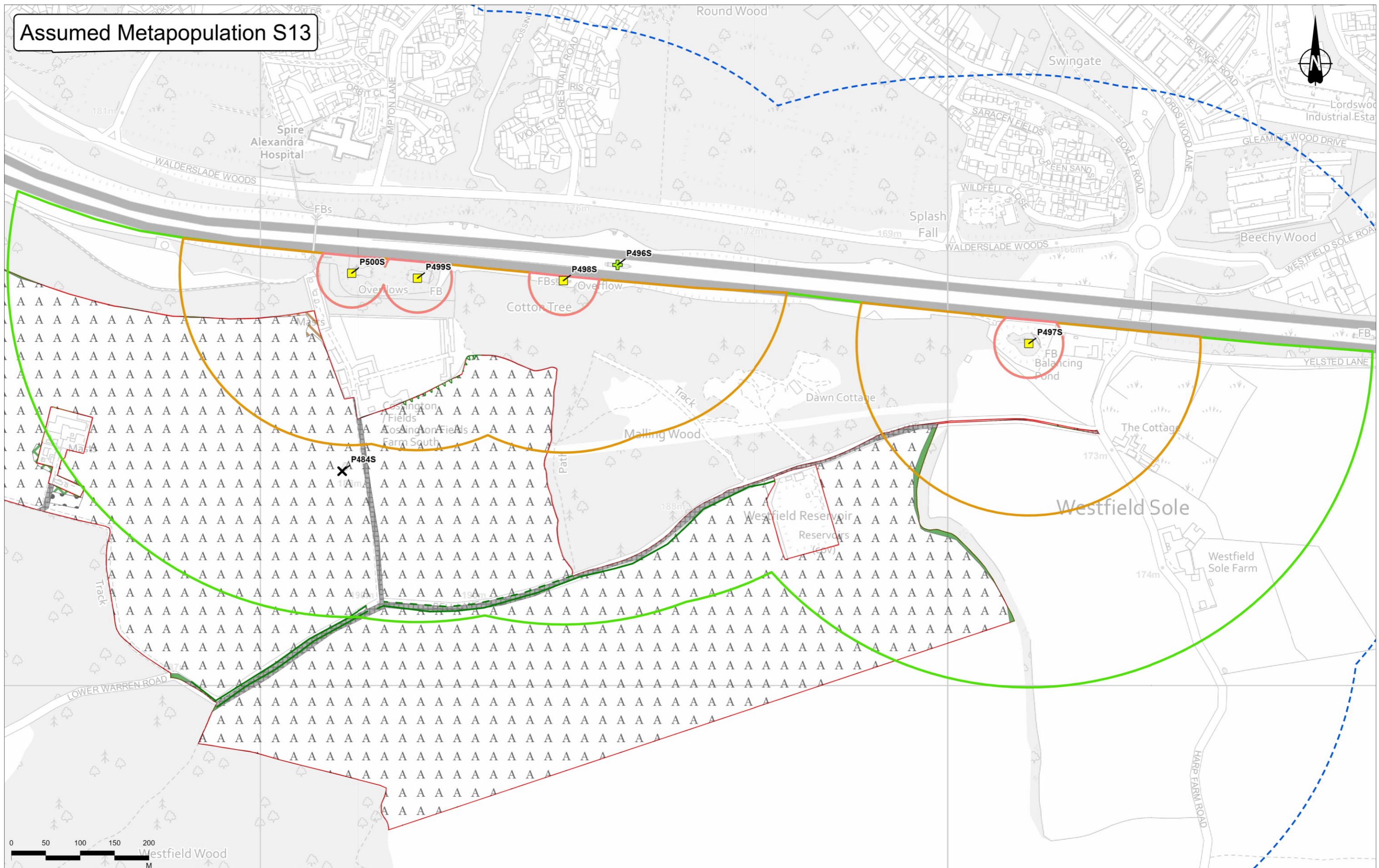
Client: national highways

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Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:5,000		
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Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60034				
Page 12 of 38					

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Assumed Metapopulation S13



- Legend**
- Order Limits
 - GCN Survey Area
 - 250m pond buffer
 - 500m pond buffer
 - 50m pond buffer
 - Assumed present - No access
 - + Unknown - Scoped out
 - x No pond

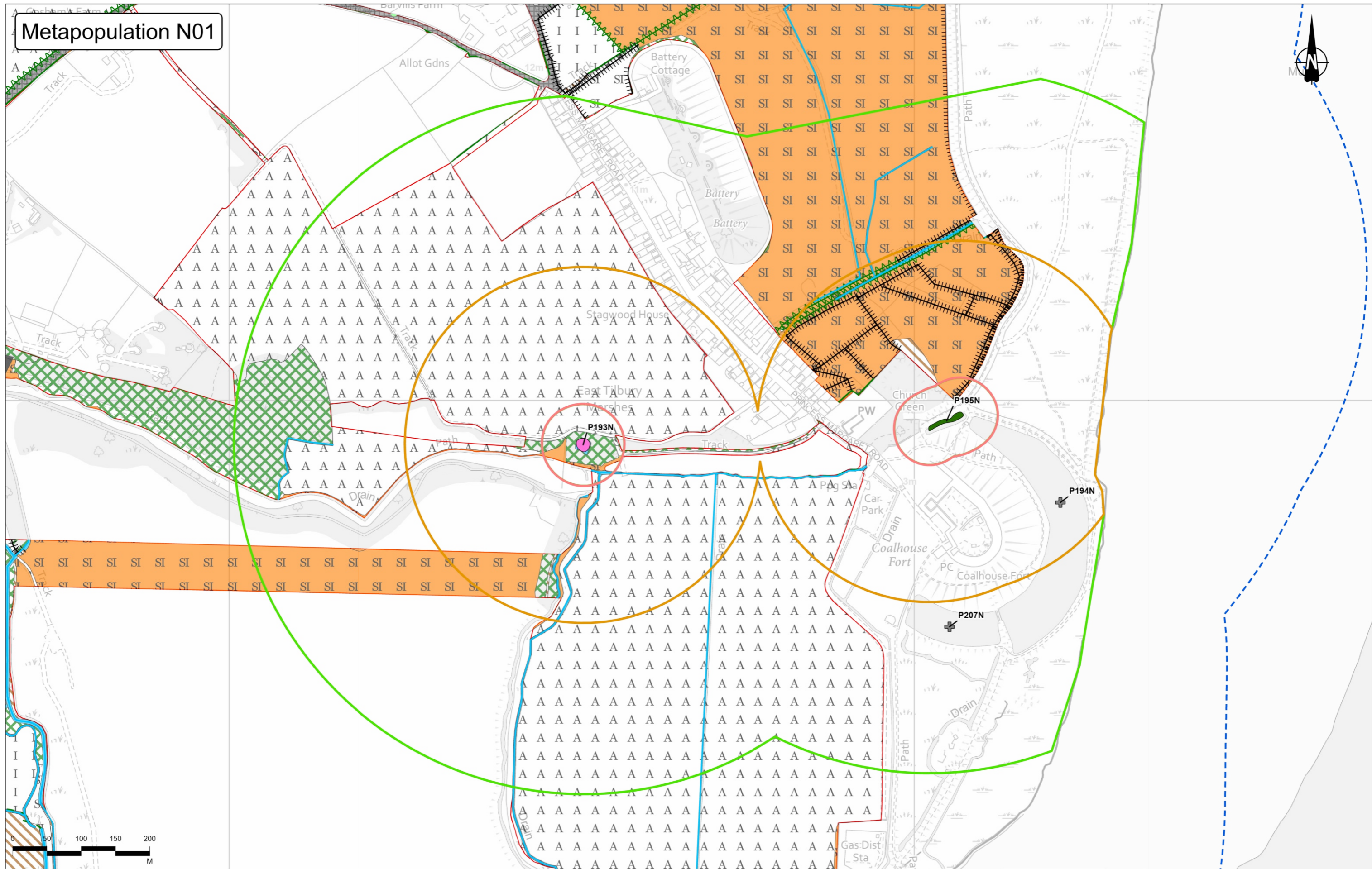
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved
P02	S8	19/09/2022	DCO Application	CD	HT	BF

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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 C3.2c Detailed Assumed Metapopulation S13					
	Page 13 of 38					
Drawing Number	HE540039-CJV-EBD-SZP_EGNE0000000-DR-LE-60034					

Metapopulation N01



P02	S8	19/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

- Legend**
- Order Limits
 - GCN Survey Area
 - Pond buffers
 - 50m pond buffer
 - 250m pond buffer
 - 500m pond buffer
 - Ponds
 - Present - Conventional
 - Assumed present - Unsurveyed
 - Unsuitable

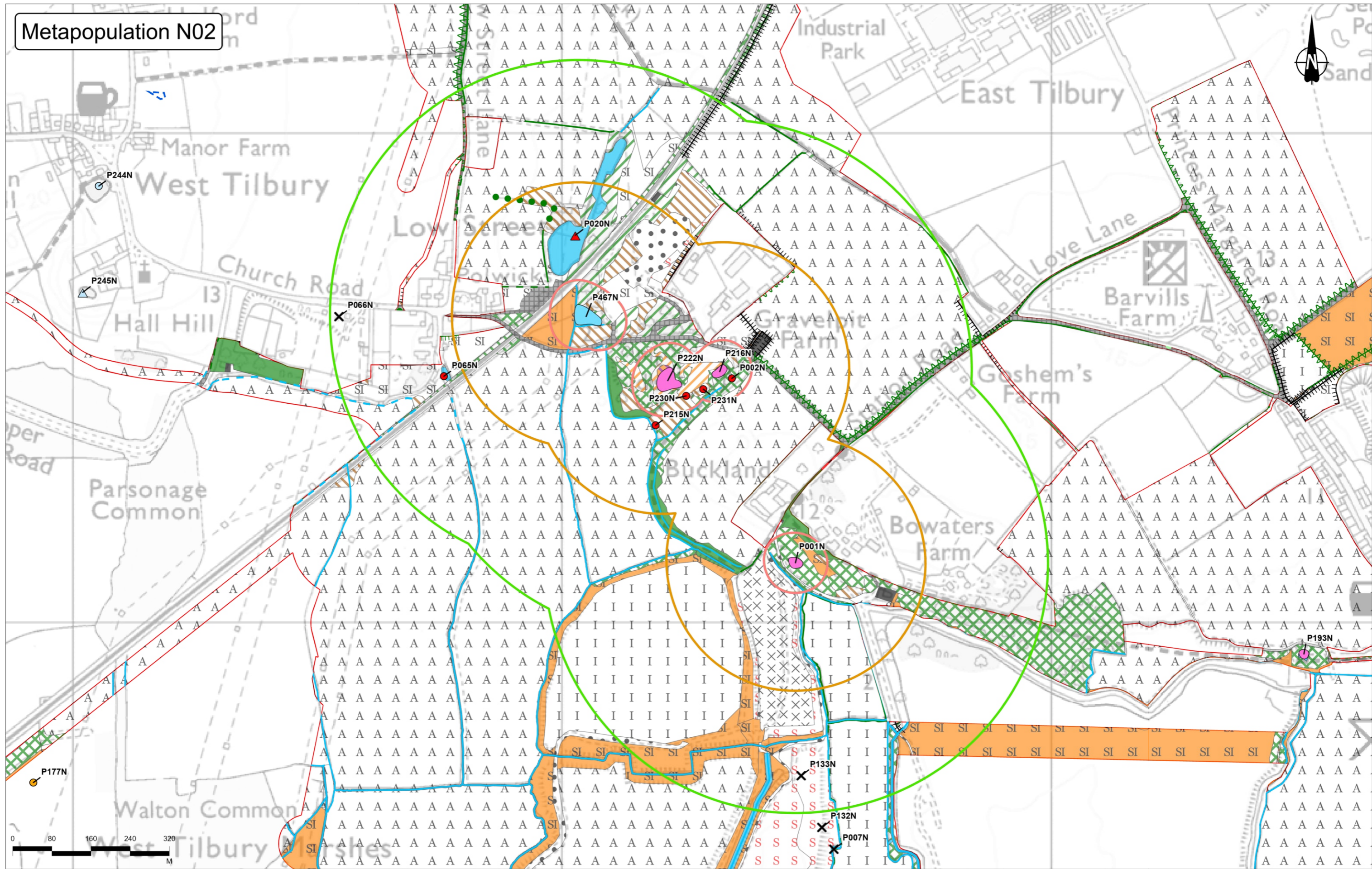
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	Page 14 of 38				
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Metapopulation N02

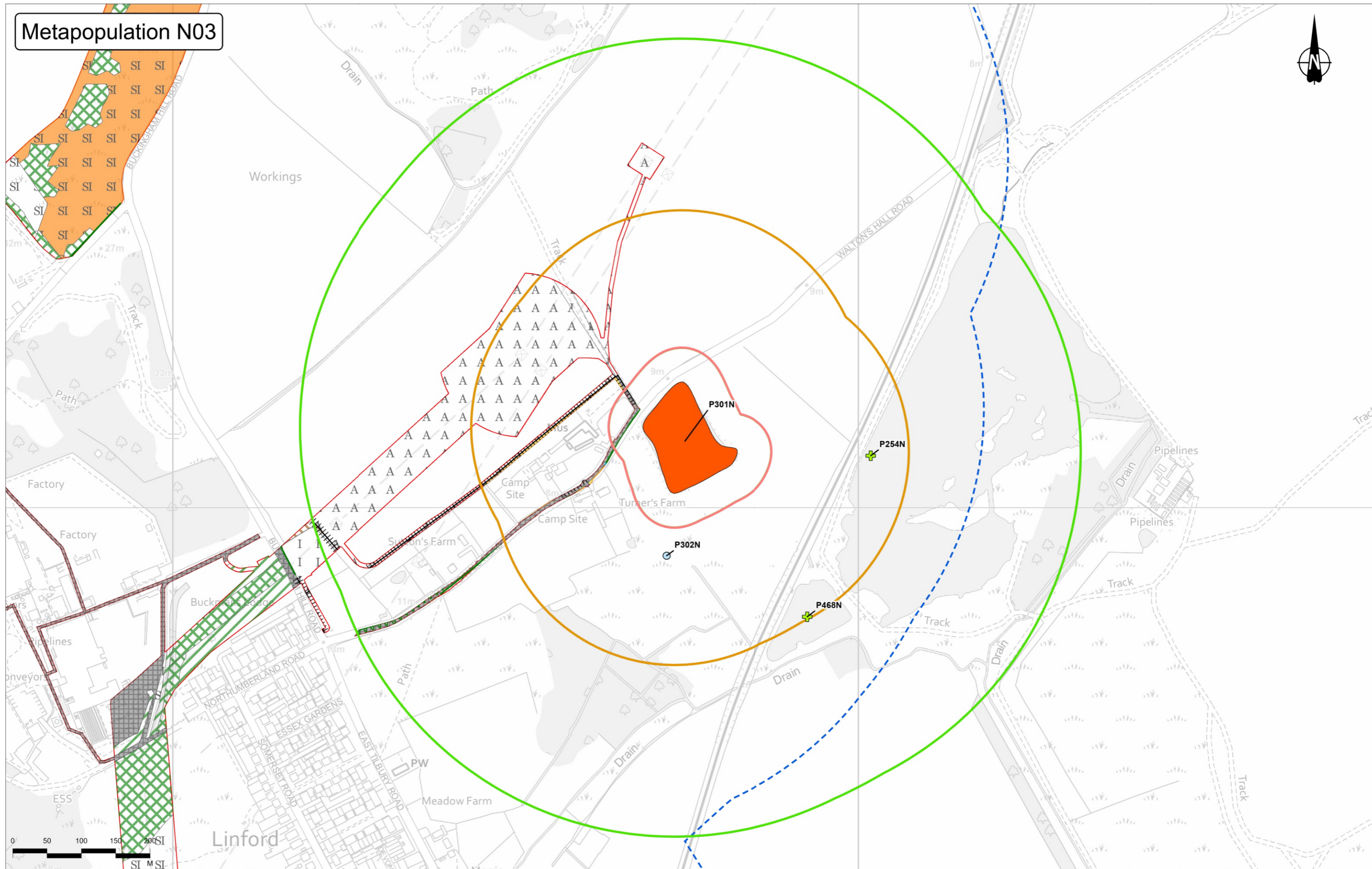


Legend	
Order Limits	500m pond buffer
GCN Survey Area	Present - Conventional
Pond buffers	Assumed present - eDNA
50m pond buffer	Absent - Conventional (2018)
250m pond buffer	Assumed absent - Conventional (2018)
Pond Status, Survey Year	Assumed absent - eDNA (2019)
Absent - Conventional (2018)	No pond
Absent - Desk Study (No access) (2016 & 2017)	
Absent - eDNA (2019)	

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P02	S8	19/09/2022	DCO Application	CD	HT	BF

	Client	DCO APPLICATION	Original Size	A3	Revision	P02
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Project	LOWER THAMES CROSSING		Drawing Title	Figure C3.2c Detailed Metapopulation N02 Page 15 of 38		
Drawing Number		HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60034				

Metapopulation N03

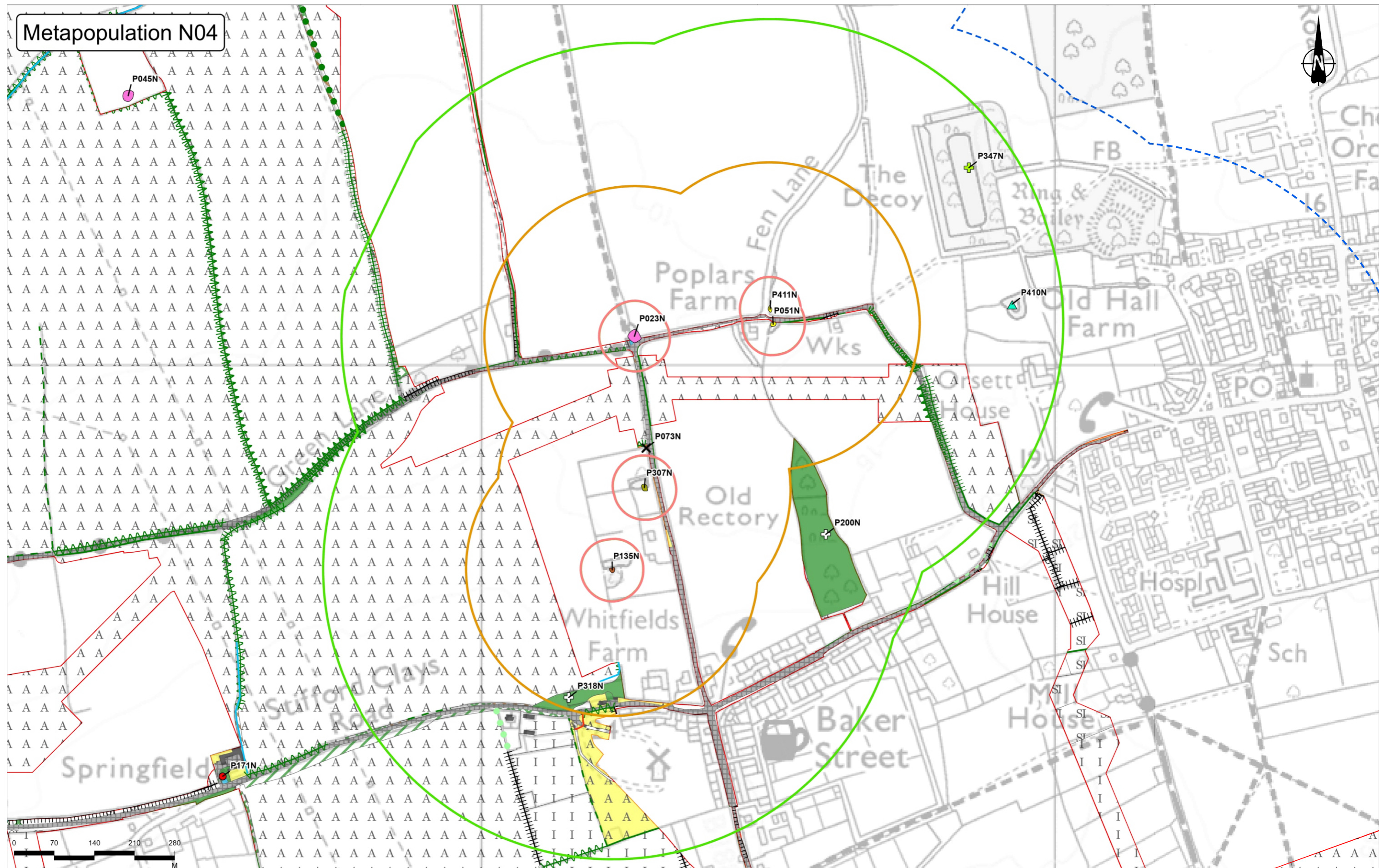


Legend		Pond Status, Survey Year	
Order Limits	50m pond buffer	500m pond buffer	Absent - eDNA (2019)
GCN Survey Area	250m pond buffer	Ponds Present - eDNA	Unknown - Scoped out

P02	S8	19/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

	Client	DCO APPLICATION	Original Size	A3	Revision	P02
	Application Document Number	TR010032/APP/6.2	Scale	1:5,000		
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	Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60034				

Metapopulation N04



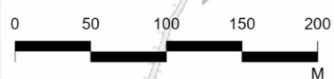
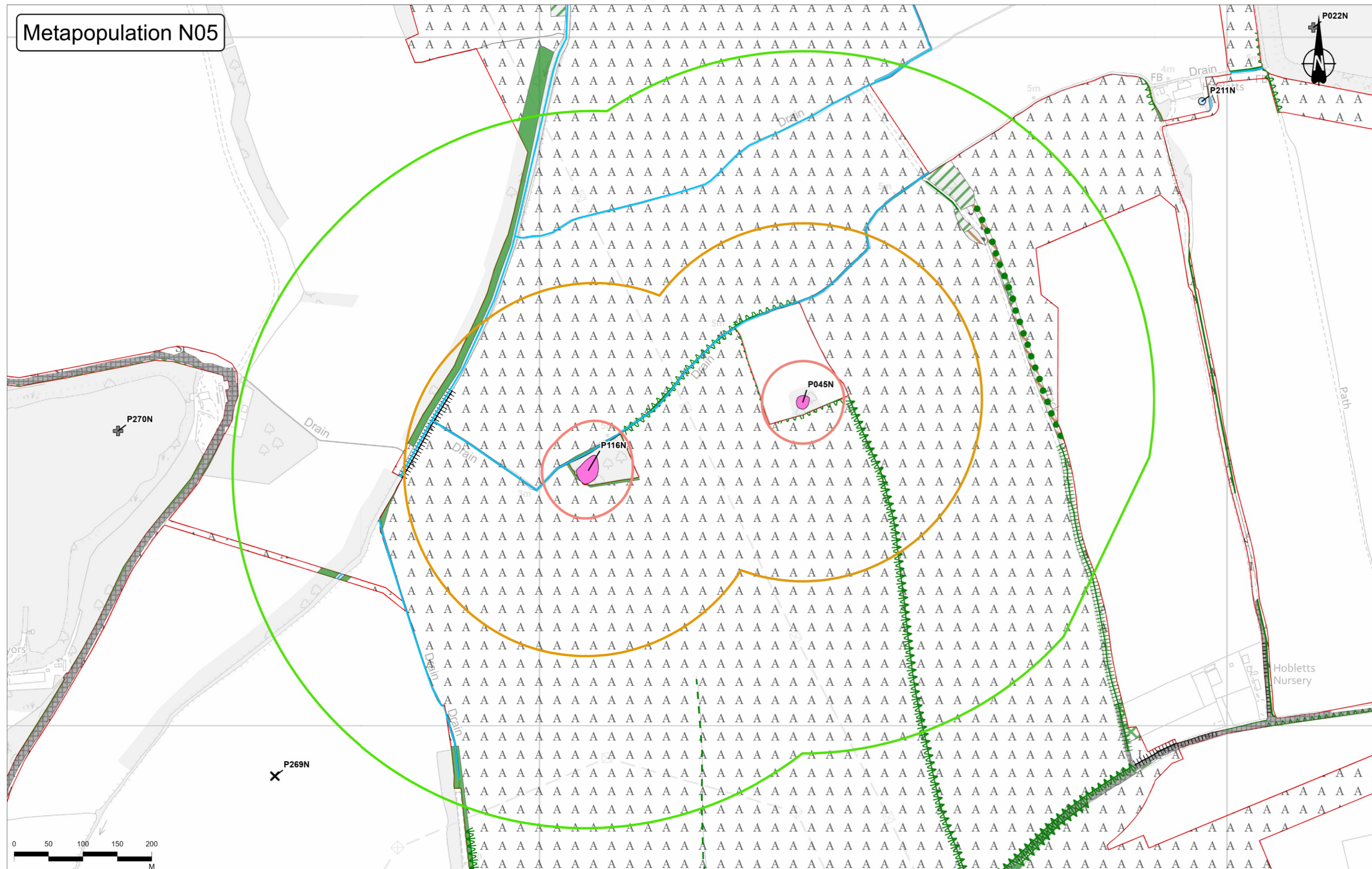
Legend

- Order Limits
- GCN Survey Area
- Pond buffers**
- 50m pond buffer
- 250m pond buffer
- 500m pond buffer
- Ponds**
- Present - Conventional
- Present - Desk Study
- Present - Incidental sighting
- Assumed present - No access
- Pond Status, Survey Year
- Absent - Conventional (2018)
- ▲ Assumed absent - eDNA (2020)
- + Unknown - Scoped out
- + Dry
- x No pond

P02	S8	19/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

	Client	Status	DCO APPLICATION	Original Size	Revision
	Project	Application Document Number	TR010032/APP/6.2	A3	P02
LOWER THAMES CROSSING		Drawing Title	Figure C3.2c Detailed Metapopulation N04		
		Drawing Number	Page 17 of 38		
		Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60034		

Metapopulation N05

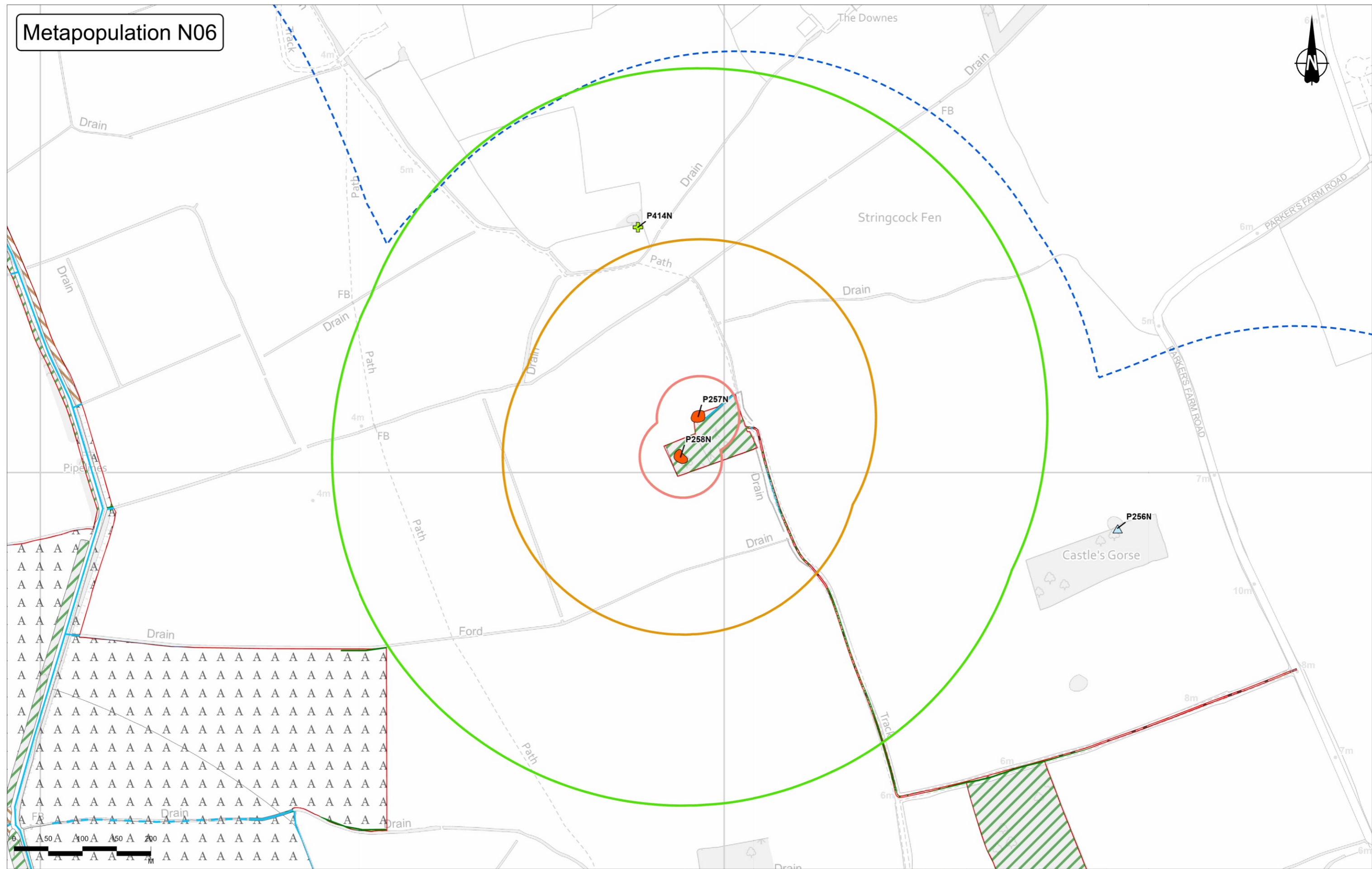


- Legend**
- Order Limits
 - GCN Survey Area
 - 250m pond buffer
 - 500m pond buffer
 - 50m pond buffer
 - Ponds
 - Present - Conventional
 - Pond Status, Survey Year
 - Absent - eDNA (2019)
 - ✕ No pond
 - + Unsuitable

P02	S8	19/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

	Status	DCO APPLICATION	Original Size	A3	Revision	P02
	Application Document Number	TR010032/APP/6.2	Scale	1:5,000		
	Client					
	Project	LOWER THAMES CROSSING				
	Drawing Title	Figure C3.2c Detailed Metapopulation N05				
Drawing Number		HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60034				

Metapopulation N06



- Legend**
- Order Limits
 - GCN Survey Area
 - 50m pond buffer
 - 250m pond buffer
 - 500m pond buffer
 - Ponds
 - Present - eDNA
- Pond Status, Survey Year**
- △ Assumed absent - eDNA (2019)
 - + Unknown - Scoped out

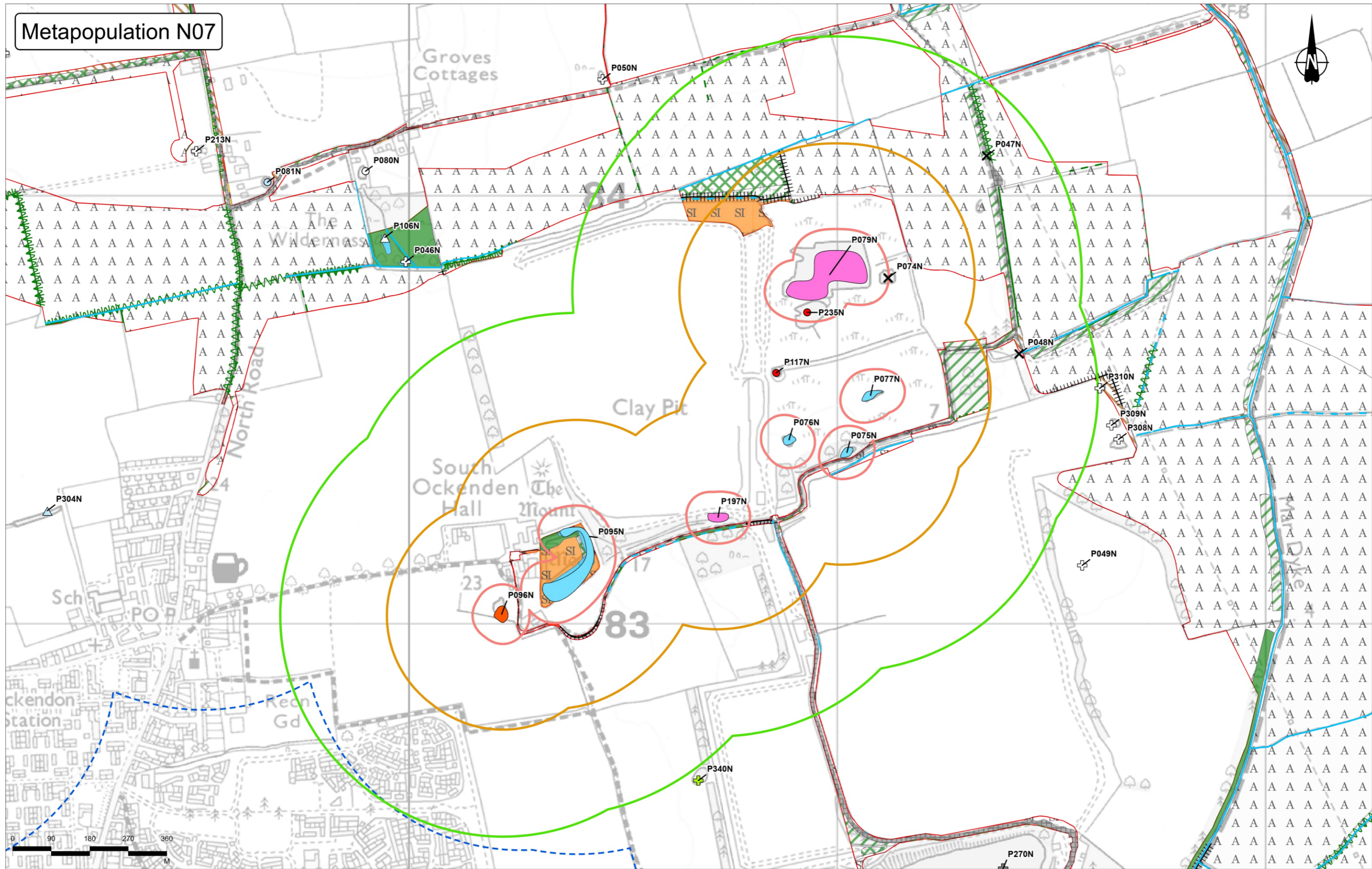
P02	S8	19/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

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 C3.2c Detailed Metapopulation N06				
	Page 19 of 38				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60034				

Metapopulation N07



P02	S8	19/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

Legend

- Order Limits
- GCN Survey Area
- Pond buffers
 - 50m pond buffer
 - 250m pond buffer

Ponds

- Present - Conventional
- Present - eDNA
- Assumed present - eDNA

Pond Status, Survey Year

- Absent - Conventional (2018)
- Absent - eDNA (2018)
- Absent - eDNA (2019)
- Assumed absent - eDNA (2018)

- Assumed absent - eDNA (2019)
- Unknown - Scoped out
- Dry
- No pond
- Unsuitable



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 C3.2c Detailed Metapopulation N07				
	Page 20 of 38				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60034				

Metapopulation N08



- Legend**
- Order Limits
 - GCN Survey Area
 - 250m pond buffer
 - 500m pond buffer
 - 50m pond buffer
 - Assumed present - No access
 - Assumed present - eDNA
 - Present - eDNA
 - Absent - eDNA (2019)
 - Assumed absent - eDNA (2019)

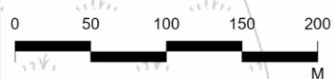
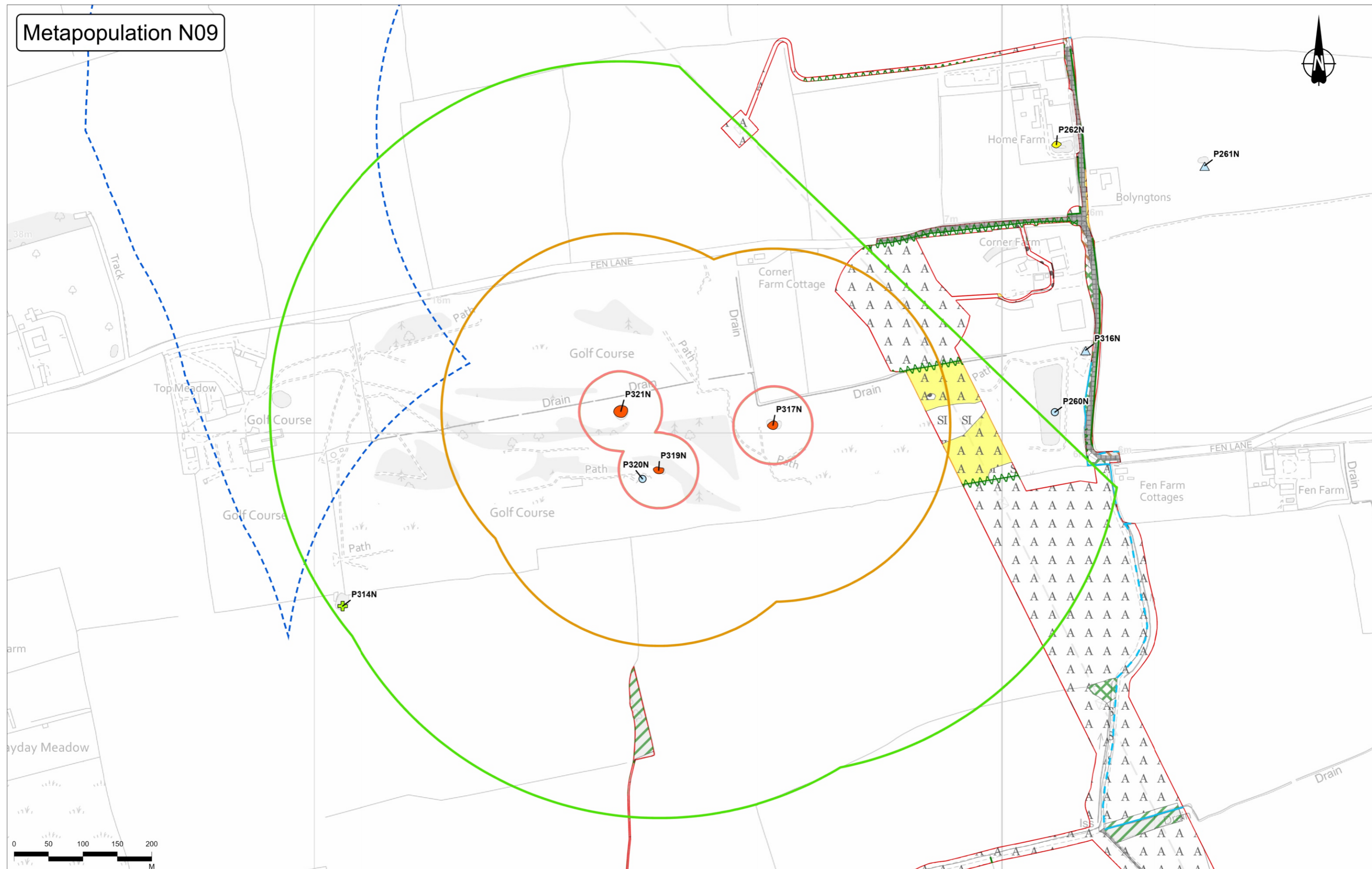
P02	S8	19/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Appr'd

Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:6,000		
Drawing Title	Figure C3.2c Detailed Metapopulation N08 Page 21 of 38				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60034				

Metapopulation N09



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved
P02	S8	19/09/2022	DCO Application	CD	HT	BF

Legend	
	Order Limits
	GCN Survey Area
	250m pond buffer
	500m pond buffer
	50m pond buffer
	Assumed present - No access
	Unknown - Scoped out
Pond Status, Survey Year	
	Absent - eDNA (2019)
	Present - eDNA
	Assumed absent - eDNA (2019)

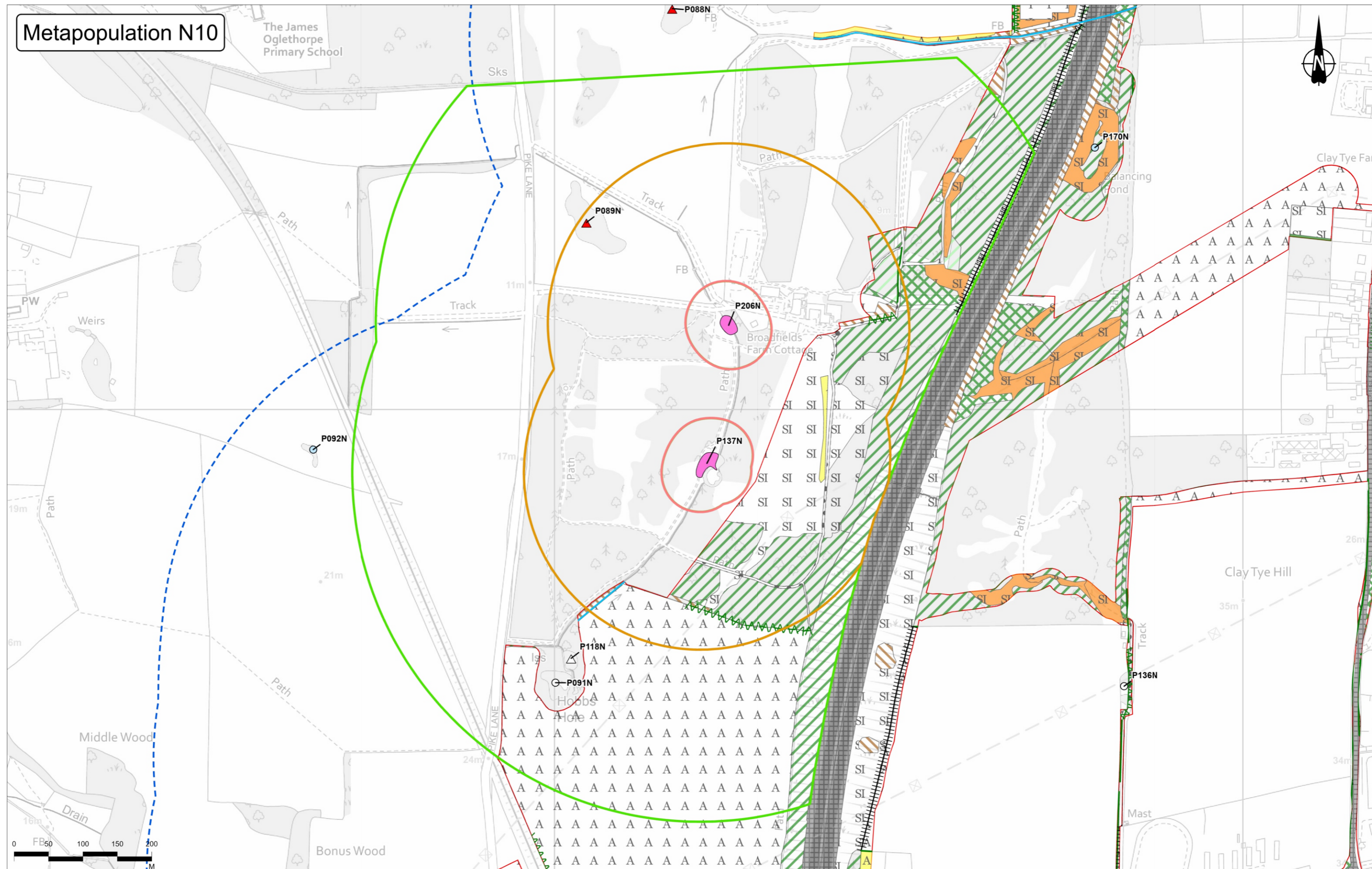


Client: national highways

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 C3.2c Detailed Metapopulation N09				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60034				

Metapopulation N10



P02	S8	19/09/2022	DCO Application	CD	HT	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

Order Limits	500m pond buffer	Present - Conventional
GCN Survey Area	250m pond buffer	Absent - Conventional (2018)
Pond buffers	Ponds	Pond Status, Survey Year

Absent - eDNA (2018)	Assumed absent - Conventional (2018)
Absent - eDNA (2019)	Assumed absent - eDNA (2018)



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 C3.2c Detailed Metapopulation N10				
	Page 23 of 38				
Drawing Number	HE540039-CJV-EBD-SZP_EGNE00000000-DR-LE-60034				

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