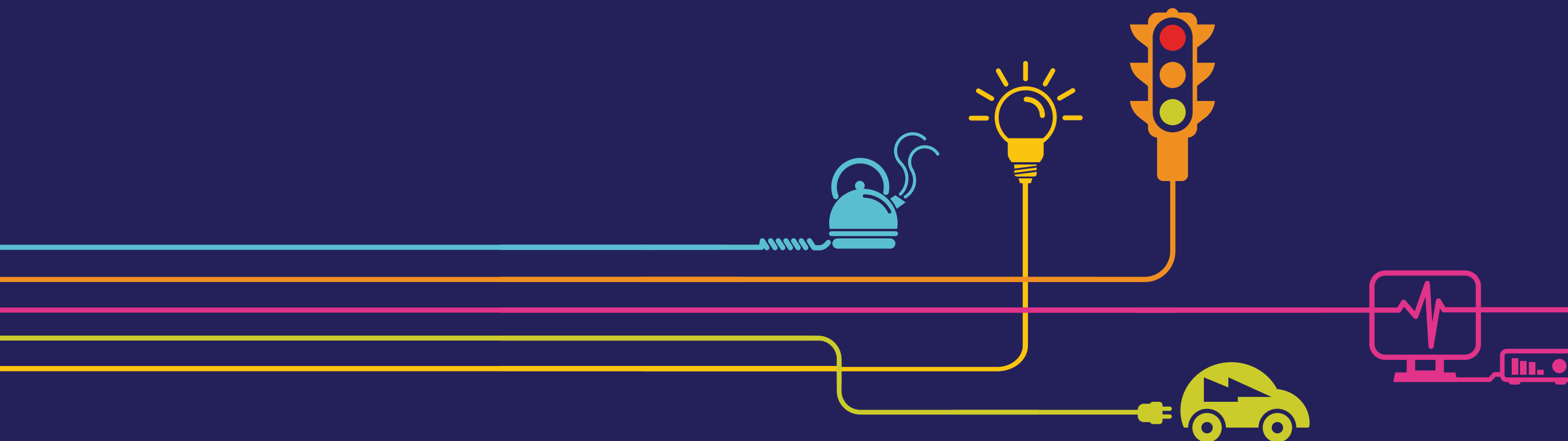


Environmental Statement Biodiversity and Nature Conservation Figures 8.50 to 8.52

Hinkley Point C Connection Project

*Regulation 5(2)(a) of the Infrastructure Planning
(Applications: Prescribed Forms and Procedure)
Regulations 2009*



Environmental Statement

Hinkley Point C Connection Project

5.8.3 – Biodiversity and Nature Conservation – Figures (orange highlight indicates the contents of this Volume)

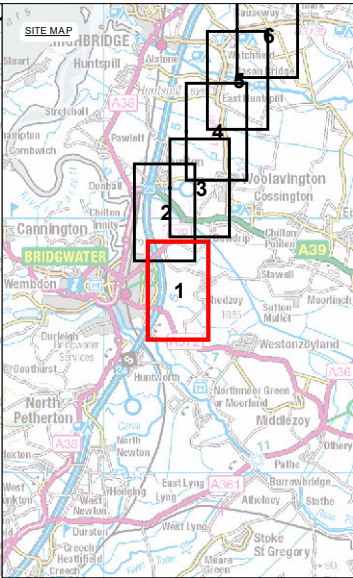
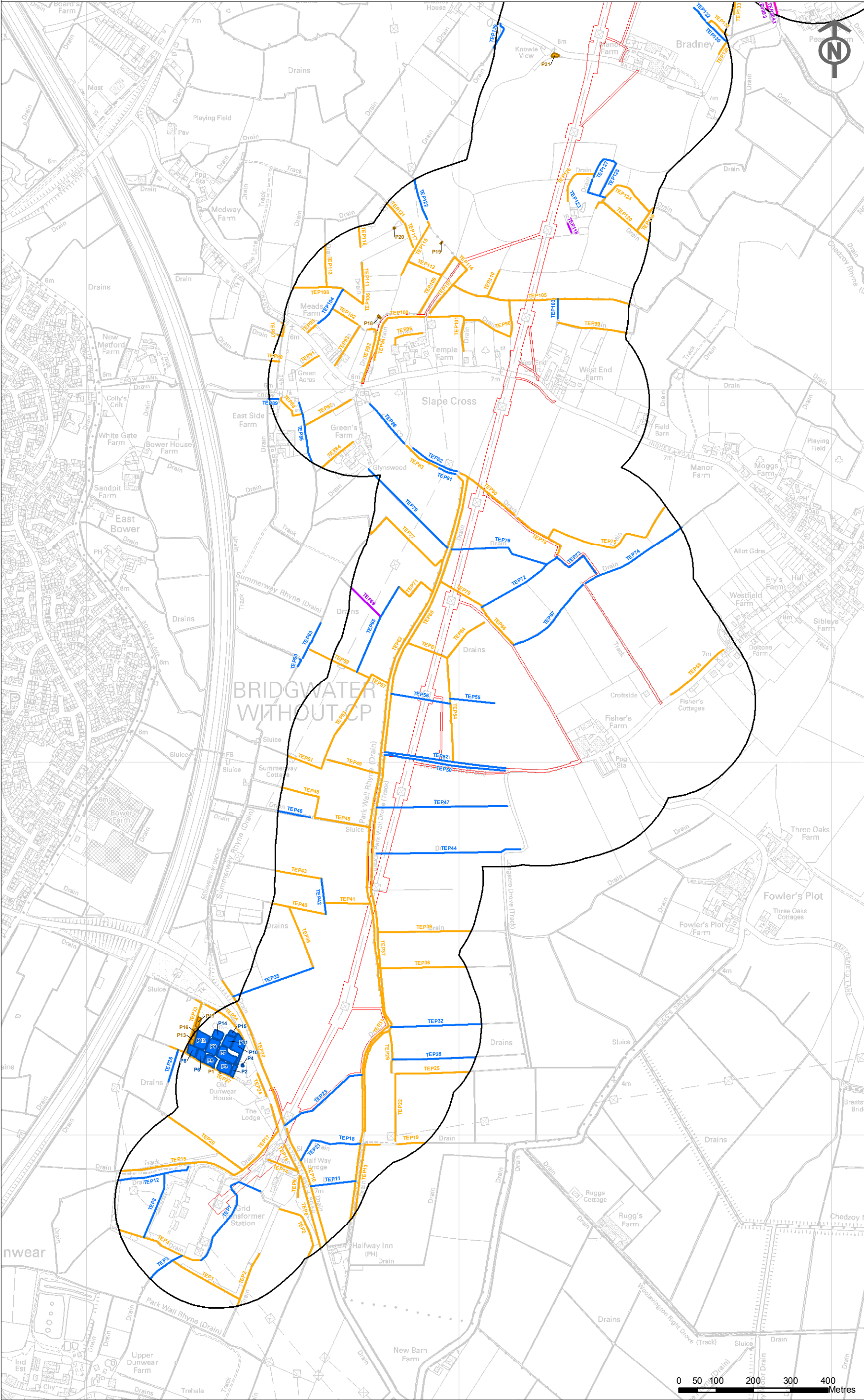
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8.2	Phase 1 Habitat Plan
8.3	Phase 1 Habitat Survey Target Notes
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8.4	National Vegetation Classification Survey Locations
8.5	Important Hedgerows
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8.7	Desktop Survey Records – BoCC species (excluding waders and wildfowl)
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8.10	Desktop Survey Records – Schedule 1 Species
8.11	Winter Bird Survey Locations 2009-2014
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Volume 5.8.3.4	
8.13	Winter Bird Survey 2012-2014 – Waders, Wildfowl and Raptors Survey Results
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Volume 5.8.3.6	
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Volume 5.8.3.7	
8.25	Bird Designations Overview
8.26	Likelihood of Bird Movement
8.27	Bird Mitigation Strategy
8.28	Bat Roost Desk Study Data & Assessment of Trees
8.29	Bat Transect Results – Annex II Bat Species 2010
8.30	Bat Transect Results – Annex II Bat Species 2012
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Figure	Title
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8.54	Reptile Survey Locations
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8.56	Invertebrate Desk Study Data
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Figure 8.50 – GCN Habitat Suitability Index

NATIONAL GRID (HINKLEY POINT C CONNECTION PROJECT)
ENVIRONMENTAL STATEMENT (VOLUME 5.8.3)

GCN HABITAT SUITABILITY INDEX
& SURVEY SCOPE
INSET 1



Key

Proposed Development

- Order Limits

Survey Buffer

- 250m Survey Buffer

Ponds

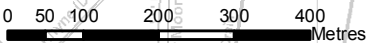
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Ditches

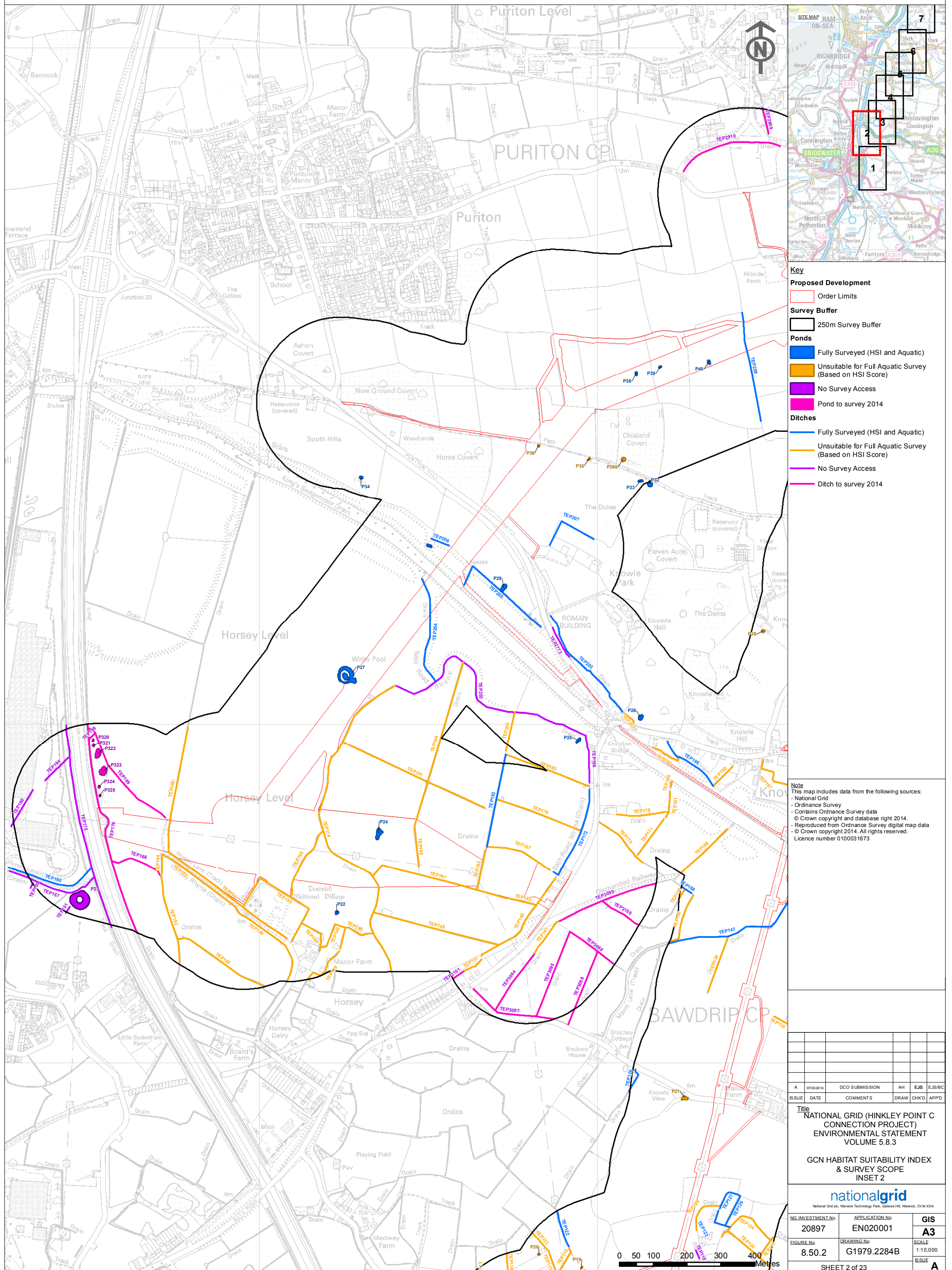
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GCN HABITAT SUITABILITY INDEX
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INSET 2



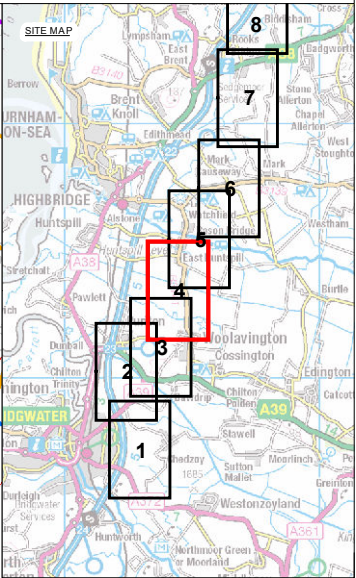
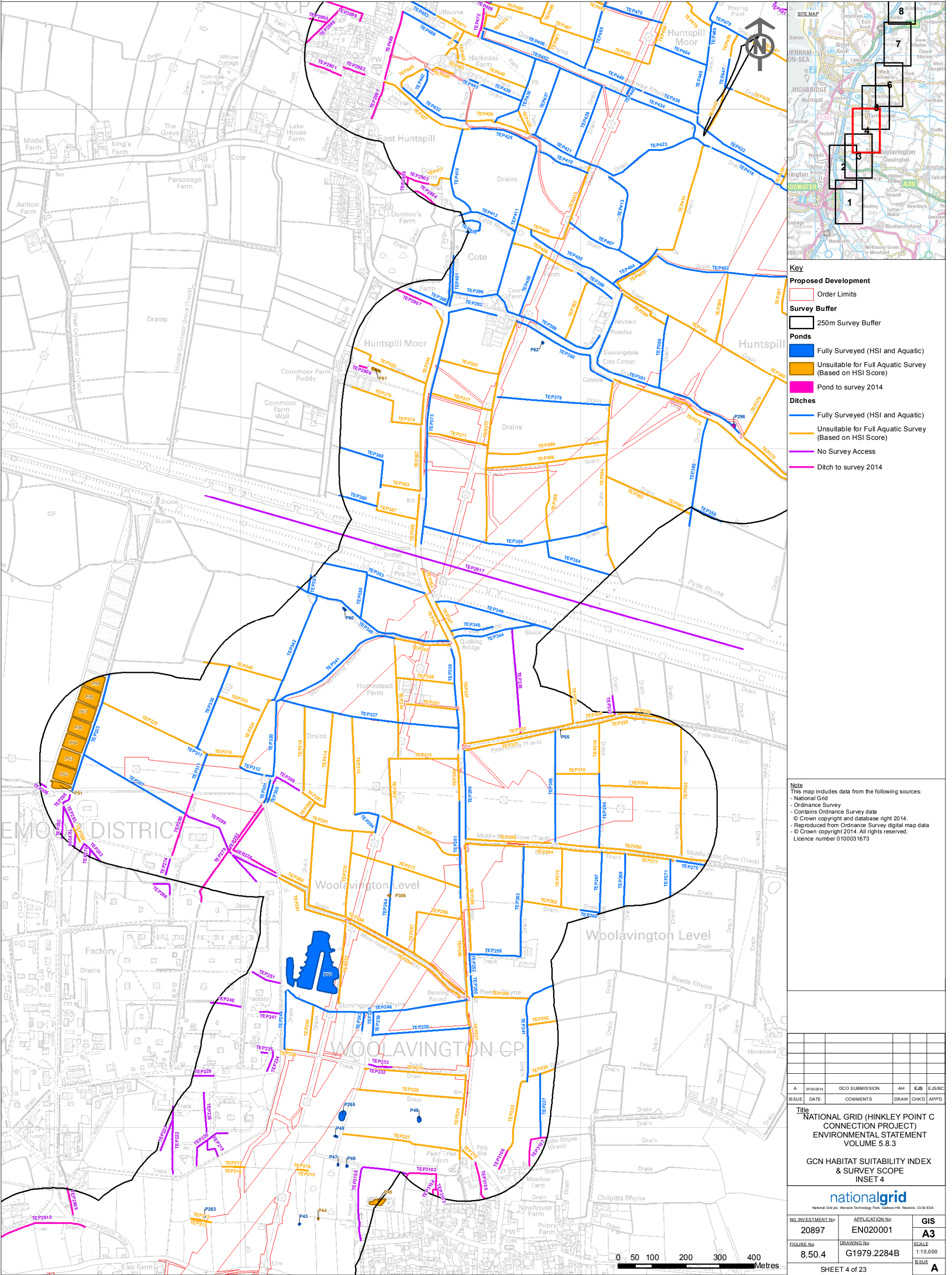
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NATIONAL GRID (HINKLEY POINT C CONNECTION PROJECT)
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GCN HABITAT SUITABILITY INDEX
& SURVEY SCOPE
INSET 4



- Key**
- Proposed Development**
 - Order Limits
 - Survey Buffer**
 - 250m Survey Buffer
 - Ponds**
 - Fully Surveyed (HSI and Aquatic)
 - Unsuitable for Full Aquatic Survey (Based on HSI Score)
 - Pond to survey 2014
 - Ditches**
 - Fully Surveyed (HSI and Aquatic)
 - Unsuitable for Full Aquatic Survey (Based on HSI Score)
 - No Survey Access
 - Ditch to survey 2014

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INSET 4					
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GCN HABITAT SUITABILITY INDEX
& SURVEY SCOPE
INSET 5



GCN HABITAT SUITABILITY INDEX
& SURVEY SCOPE
INSET 6



Key

Proposed Development

 Order Limits

Survey Buffer

 250m Survey Buffer

Ponds

 Fully Surveyed (HSI and Aquatic)

 Unsuitable for Full Aquatic Survey
(Based on HSI Score)

 No Survey Access

 Pond to survey 2014

Ditches

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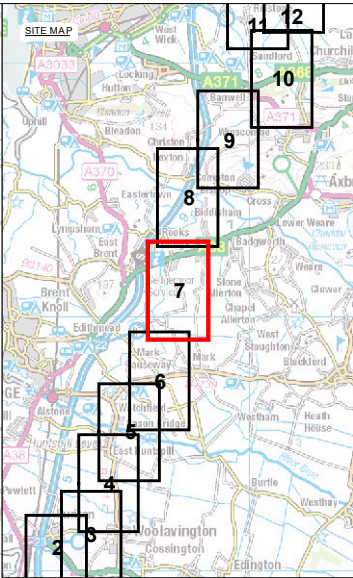
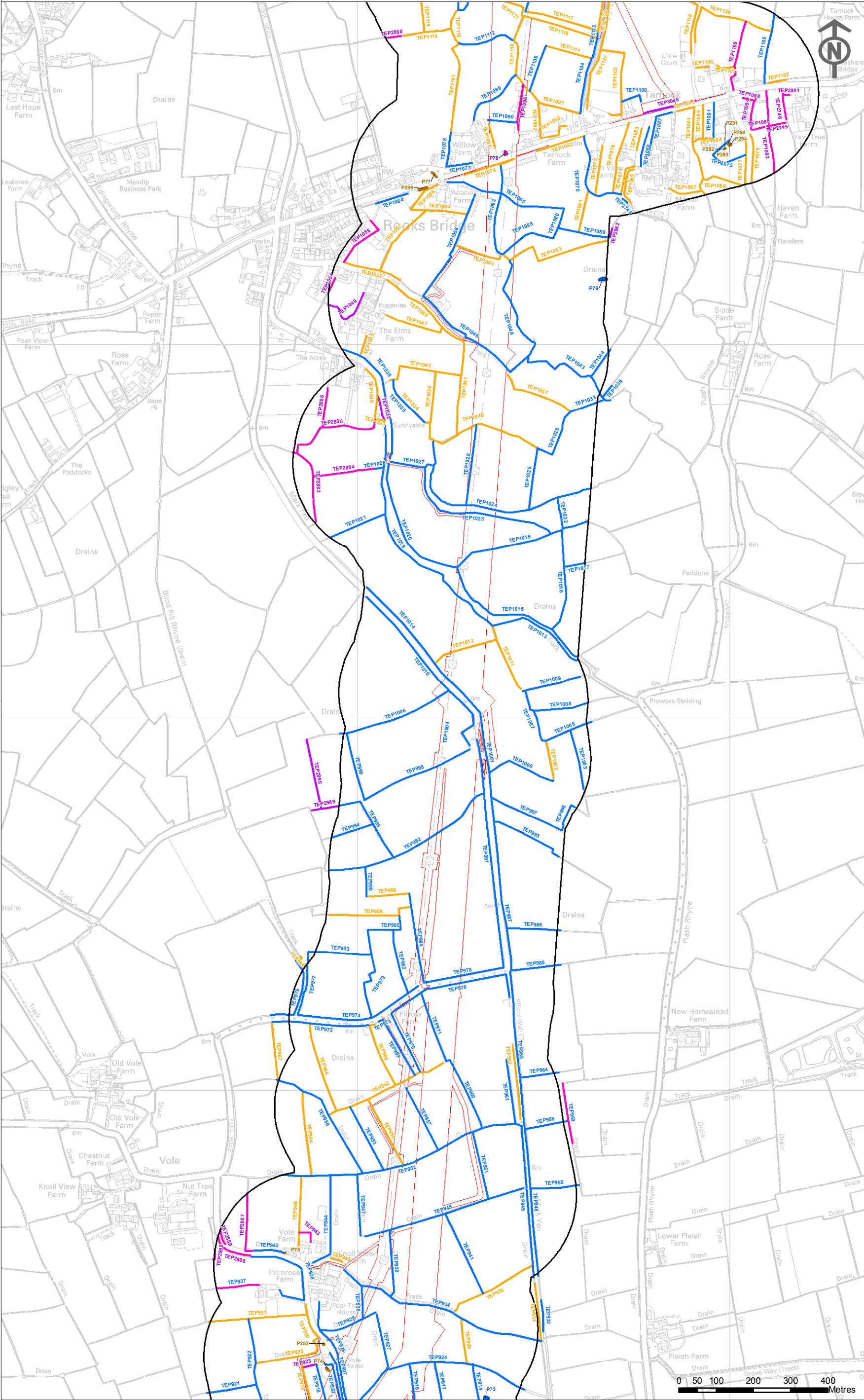
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NATIONAL GRID (HINKLEY POINT C CONNECTION PROJECT)
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GCN HABITAT SUITABILITY INDEX
& SURVEY SCOPE
INSET 7

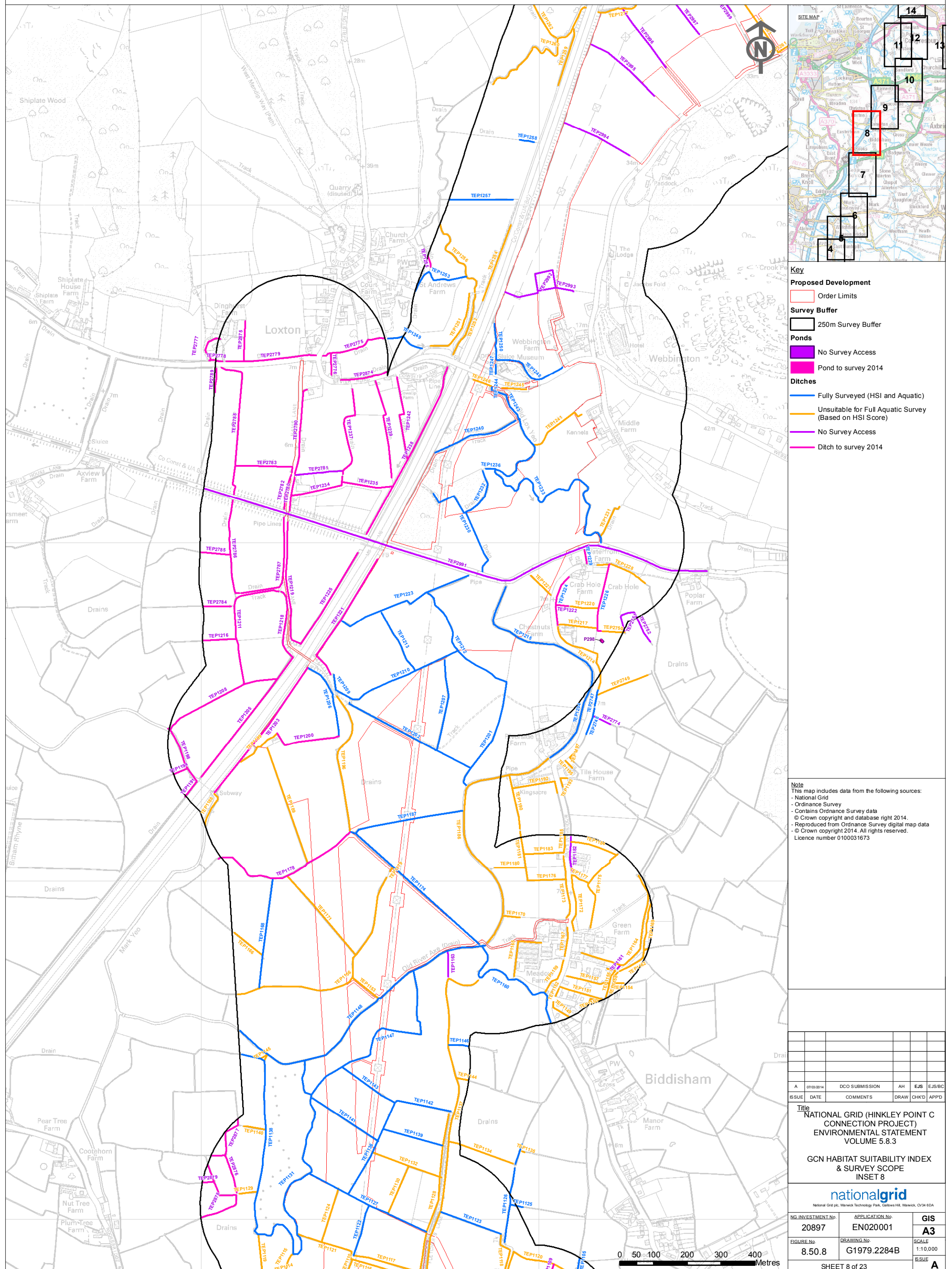


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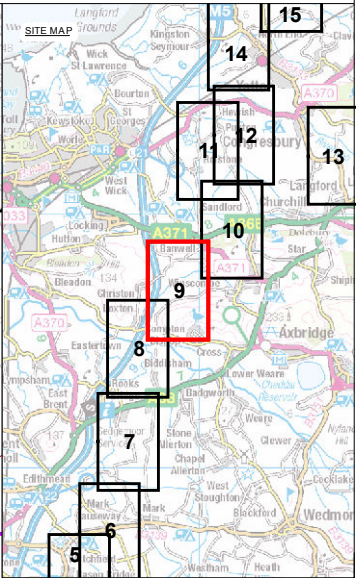
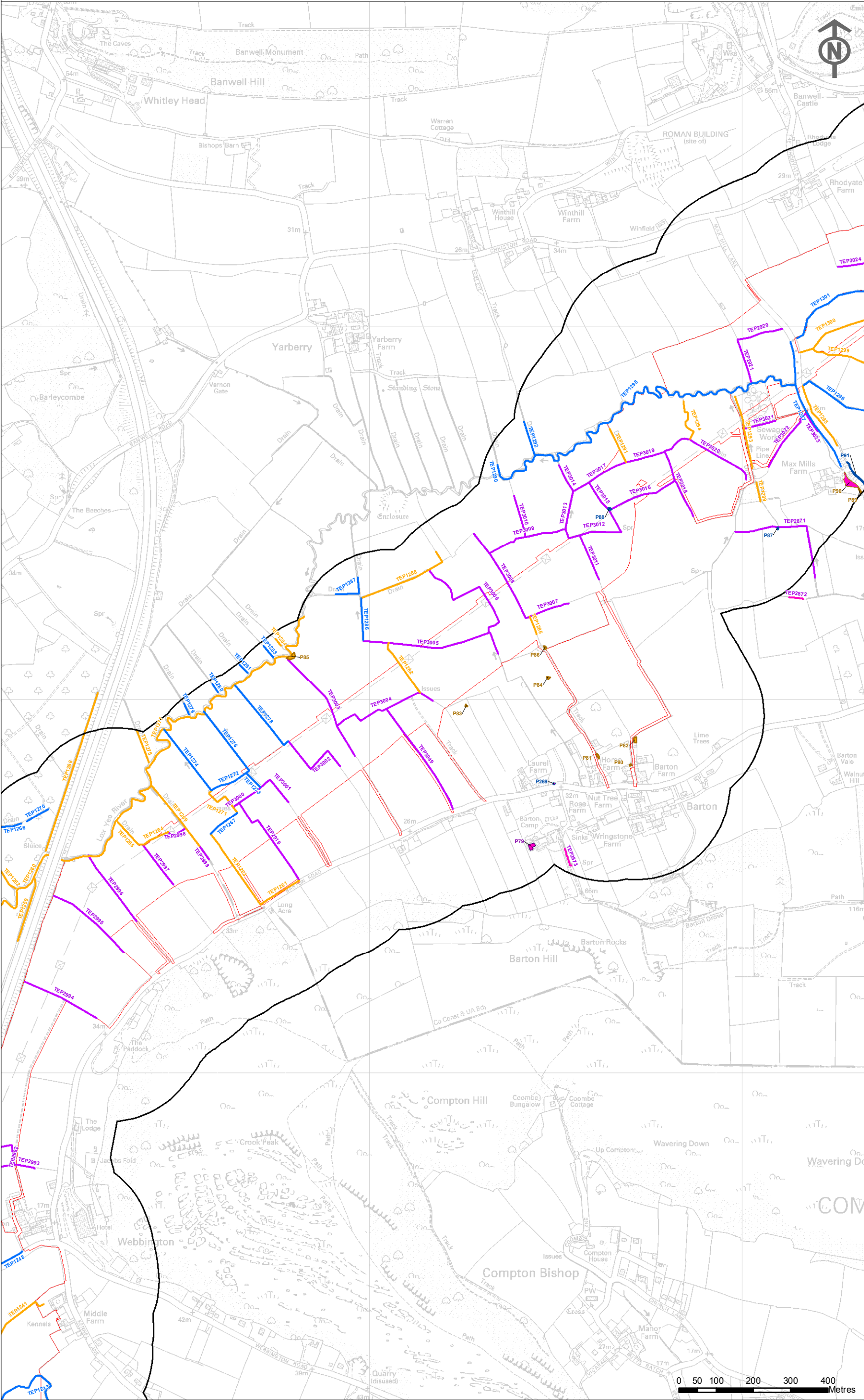
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GCN HABITAT SUITABILITY INDEX
& SURVEY SCOPE
INSET 9



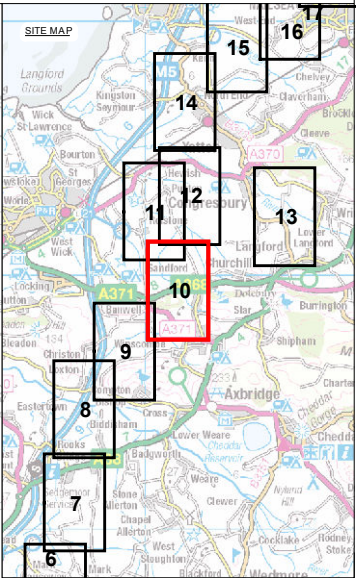
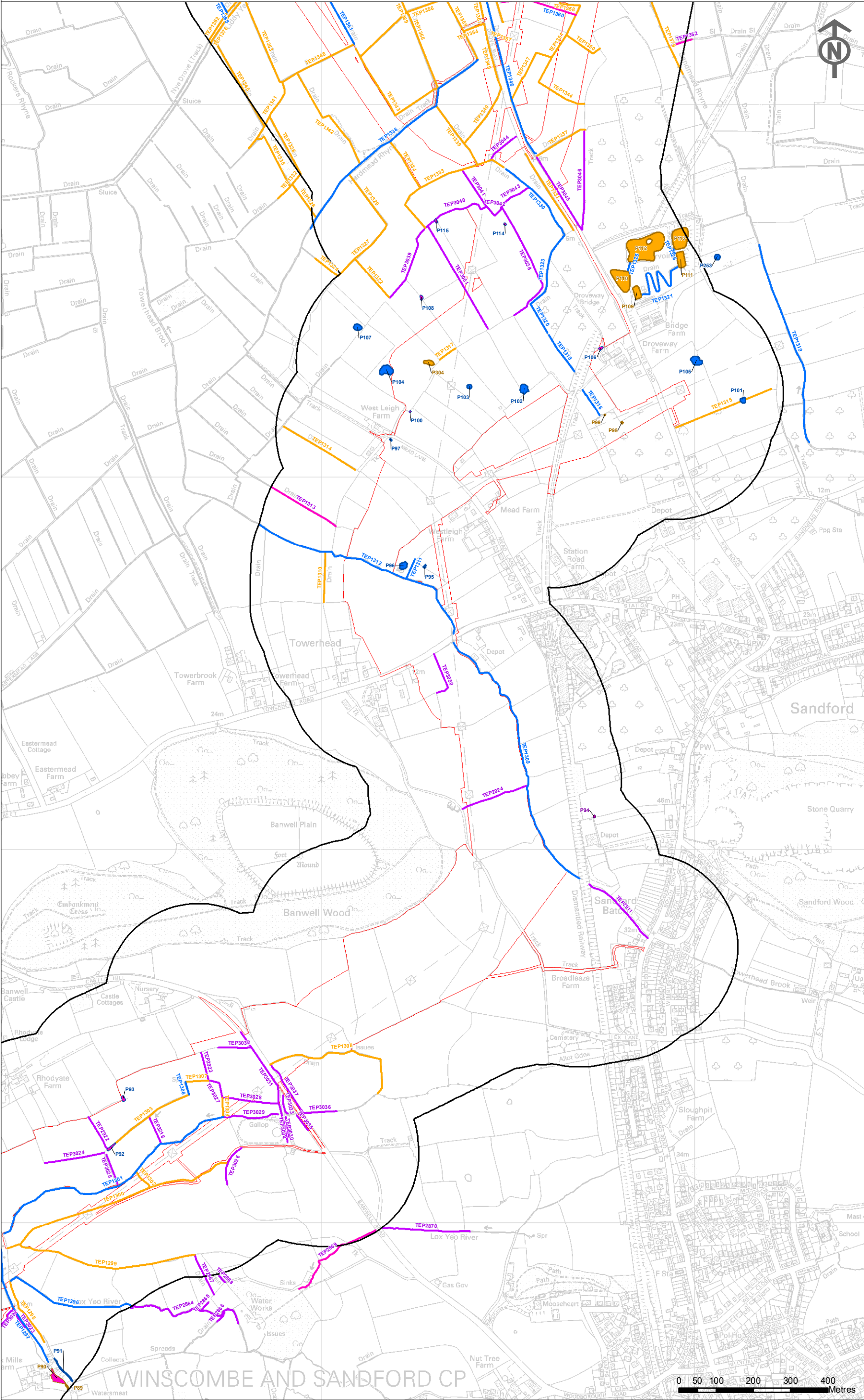
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& SURVEY SCOPE
INSET 10



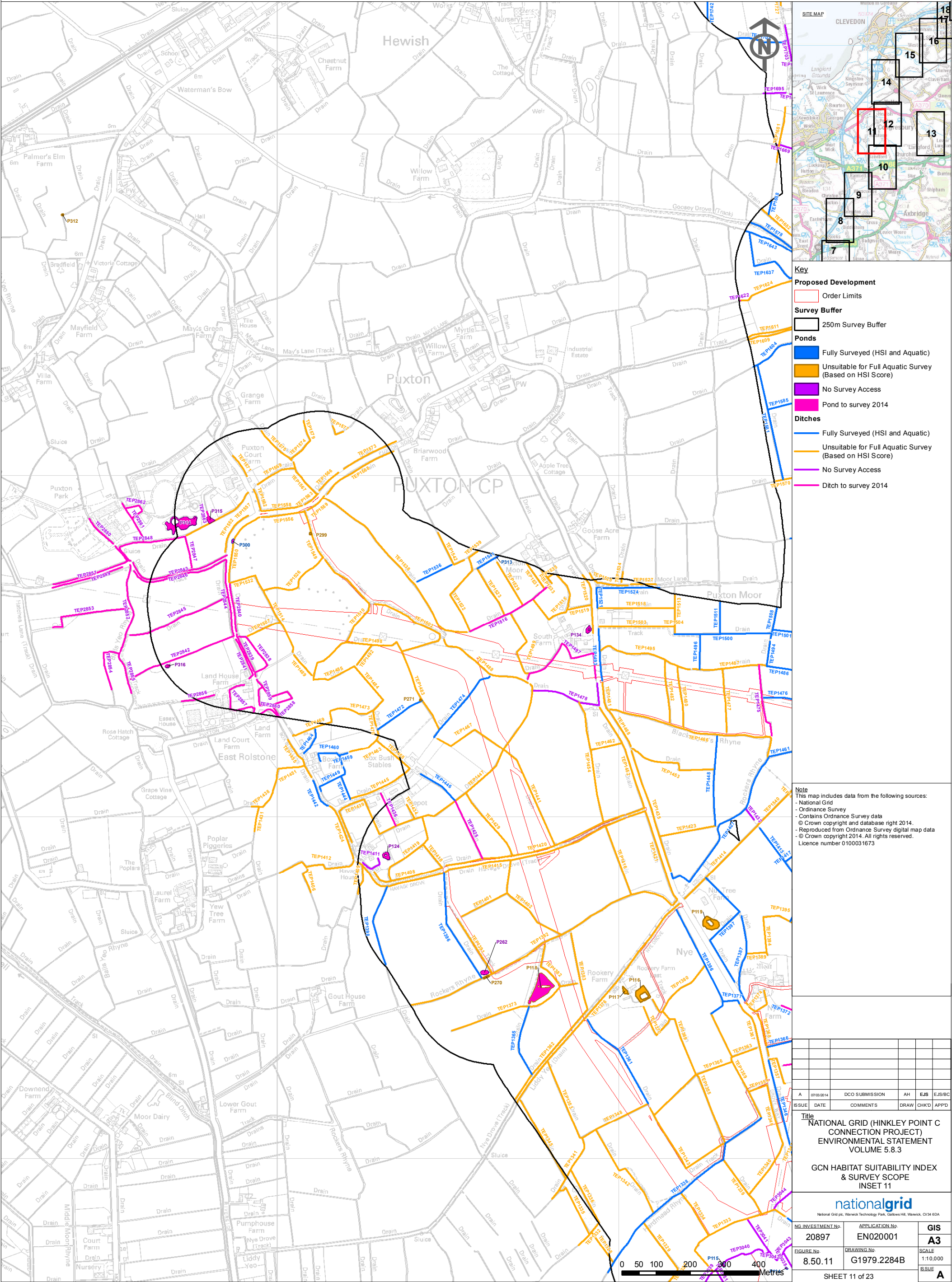
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INSET 11



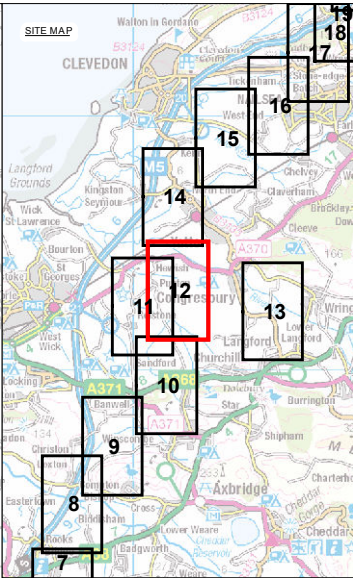
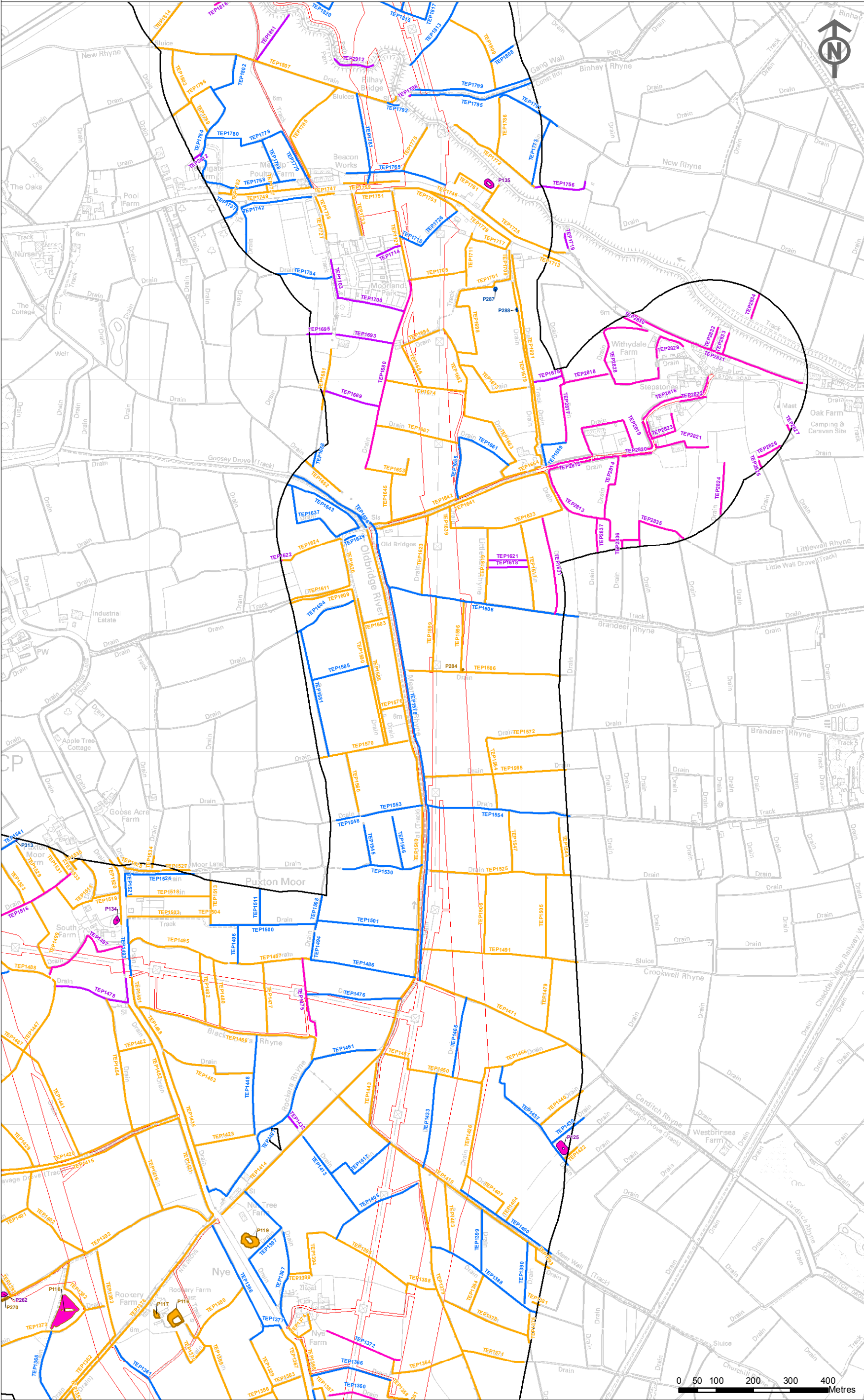
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GCN HABITAT SUITABILITY INDEX
& SURVEY SCOPE
INSET 12



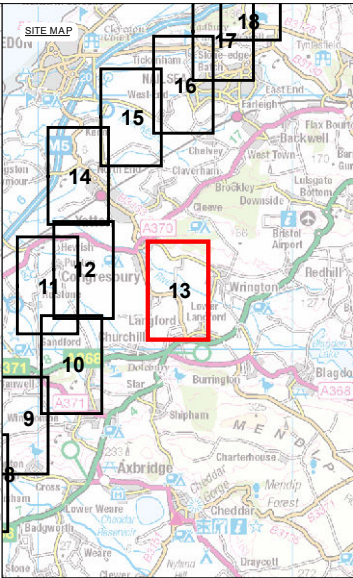
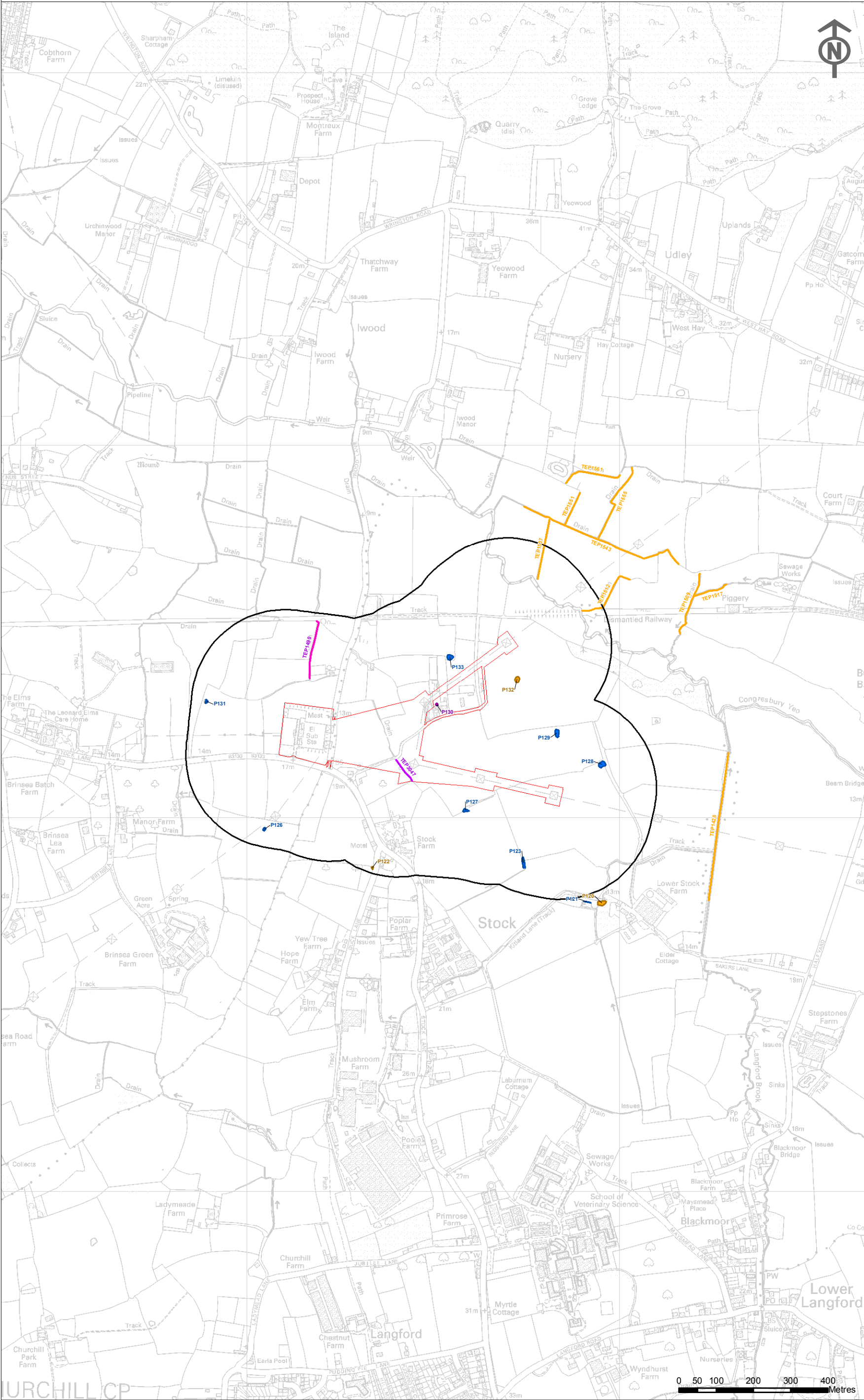
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- Order Limits
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GCN HABITAT SUITABILITY INDEX
& SURVEY SCOPE
INSET 13



- Key**
- Proposed Development**
- Order Limits
- Survey Buffer**
- 250m Survey Buffer
- Ponds**
- Fully Surveyed (HSI and Aquatic)
 - Unsuitable for Full Aquatic Survey (Based on HSI Score)
 - No Survey Access
 - Pond to survey 2014
- Ditches**
- Unsuitable for Full Aquatic Survey (Based on HSI Score)
 - No Survey Access
 - Ditch to survey 2014

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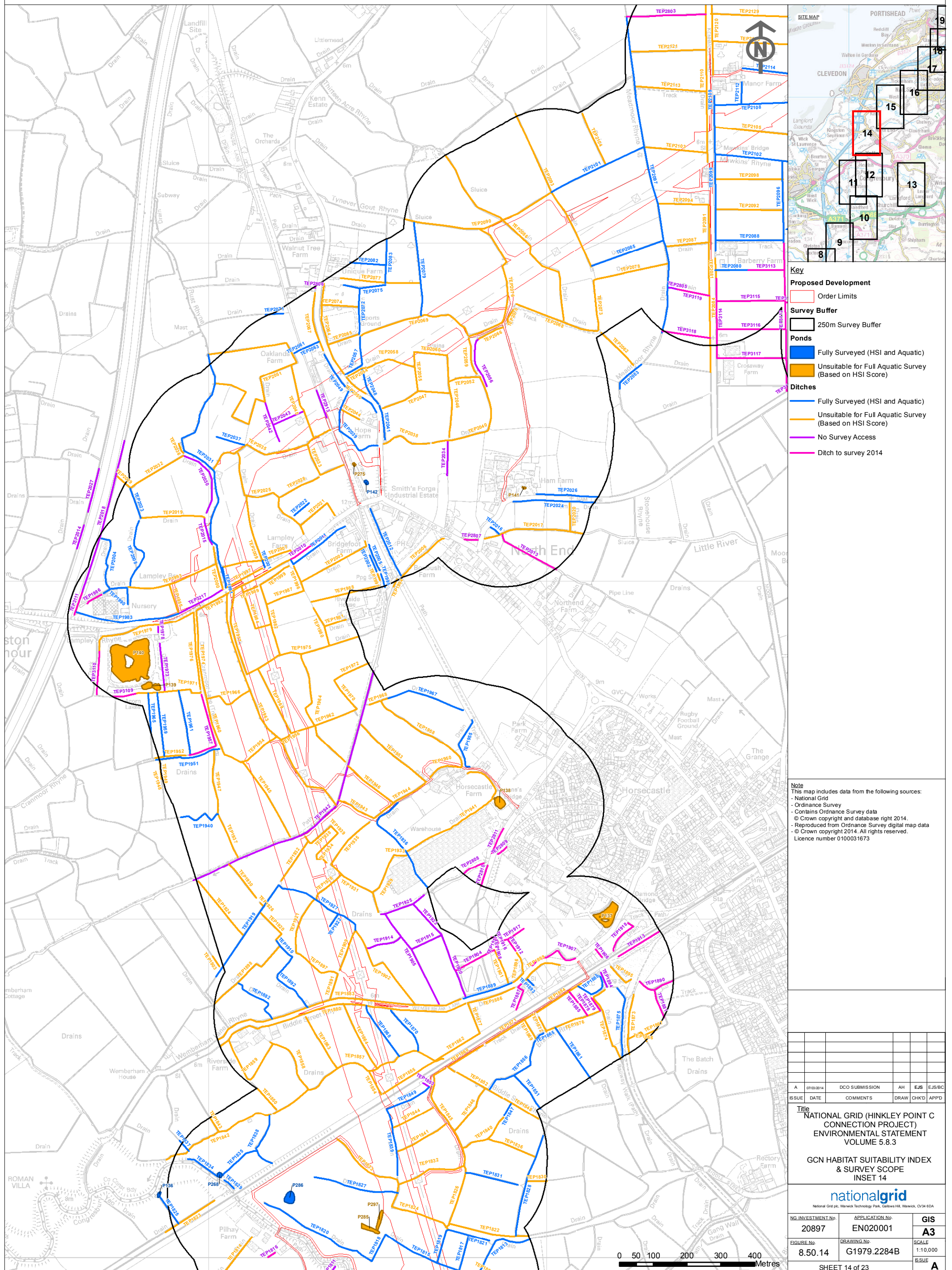
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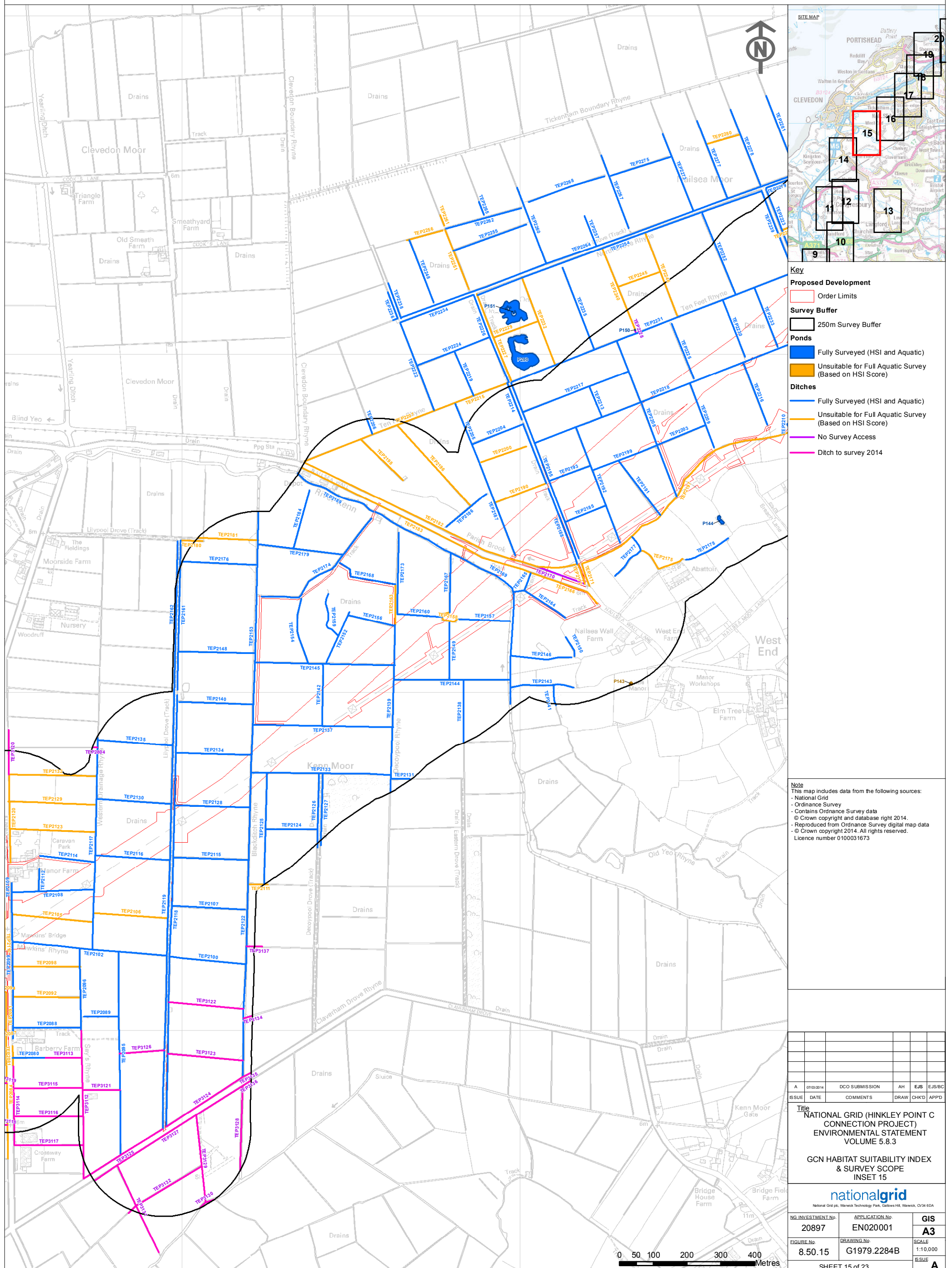
nationalgrid
National Grid plc, Watnock Technology Park, Gainsborough, Lincolnshire, LN4 9DA

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GCN HABITAT SUITABILITY INDEX
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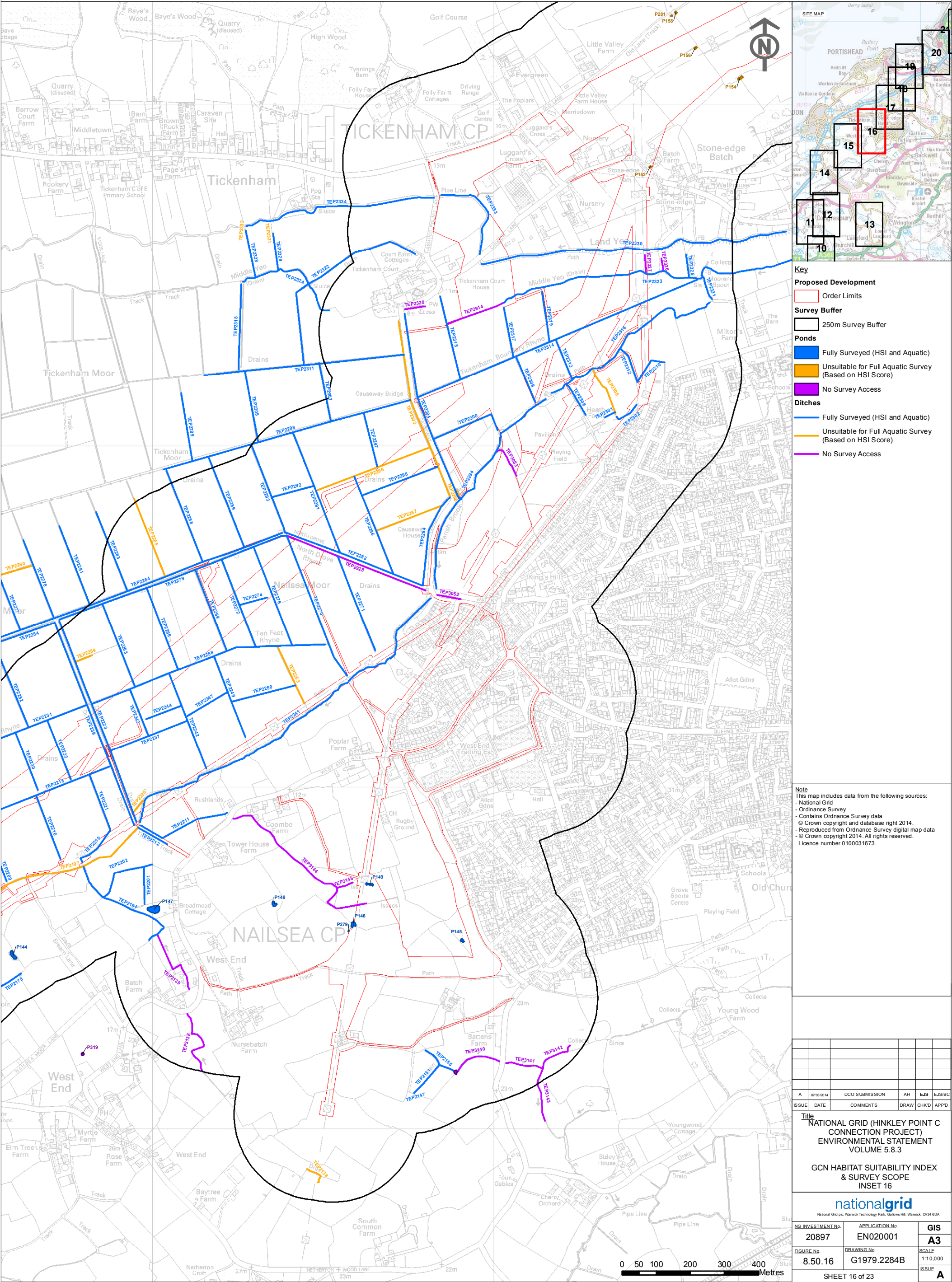


GCN HABITAT SUITABILITY INDEX
& SURVEY SCOPE
INSET 15



NATIONAL GRID (HINKLEY POINT C CONNECTION PROJECT)
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GCN HABITAT SUITABILITY INDEX
& SURVEY SCOPE
INSET 16



Key

Proposed Development

- Order Limits

Survey Buffer

- 250m Survey Buffer

Ponds

- Fully Surveyed (HSI and Aquatic)
- Unsuitable for Full Aquatic Survey (Based on HSI Score)
- No Survey Access

Ditches

- Fully Surveyed (HSI and Aquatic)
- Unsuitable for Full Aquatic Survey (Based on HSI Score)
- No Survey Access

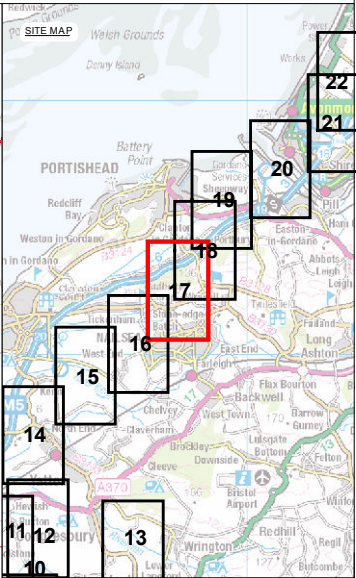
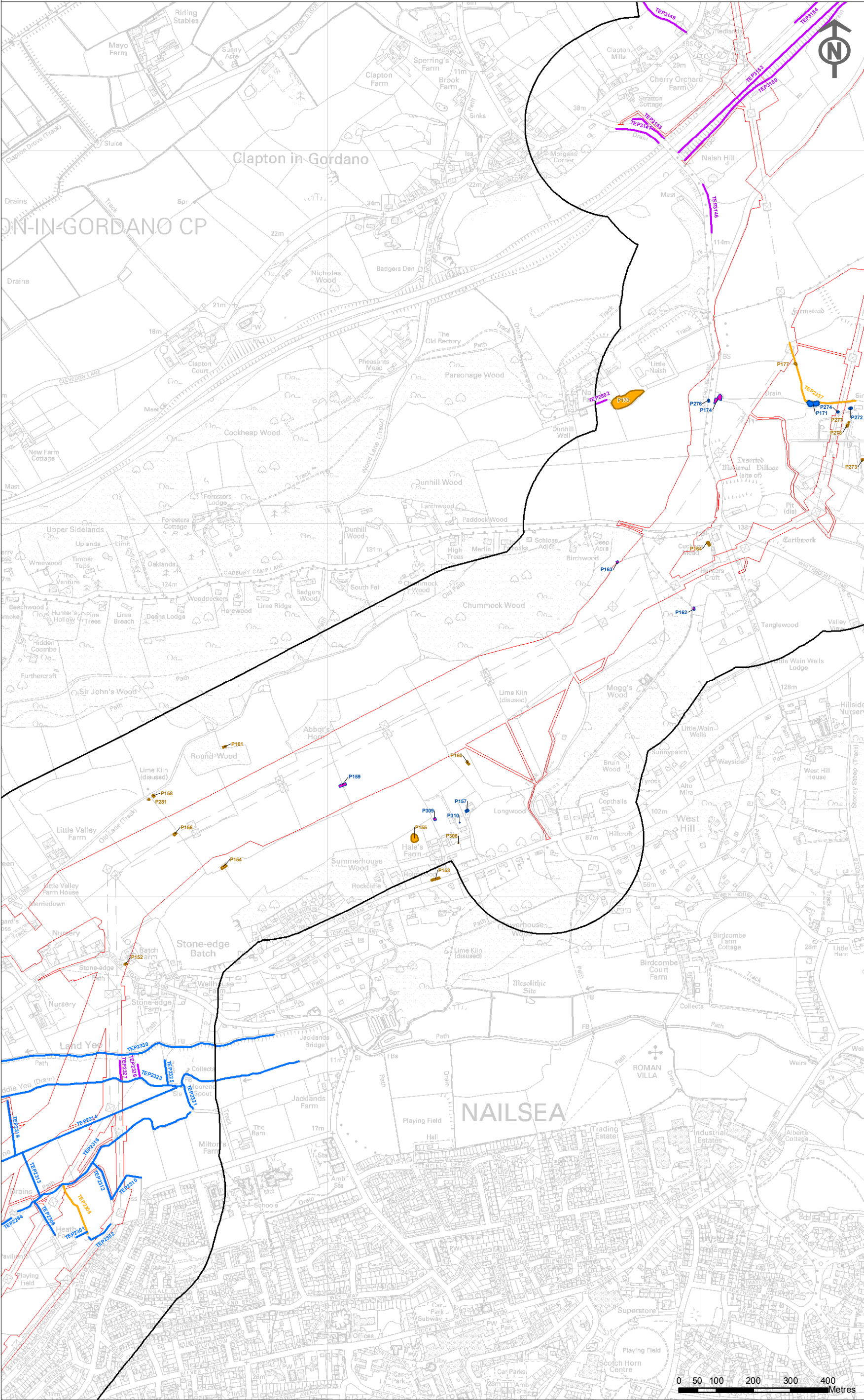
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Title					
NATIONAL GRID (HINKLEY POINT C CONNECTION PROJECT) ENVIRONMENTAL STATEMENT VOLUME 5.8.3					
GCN HABITAT SUITABILITY INDEX & SURVEY SCOPE INSET 16					
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National Grid plc, Warwick Technology Park, Galsworthy Hill, Warwick, CV34 6DA					
NG INVESTMENT No.		APPLICATION No.		GIS	
20897		EN020001		A3	
FIGURE No.		DRAWING No.		SCALE	
8.50.16		G1979.2284B		1:10,000	
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GCN HABITAT SUITABILITY INDEX
& SURVEY SCOPE
INSET 17



- Key**
- Proposed Development**
 - Order Limits
 - Survey Buffer**
 - 250m Survey Buffer
 - Ponds**
 - Fully Surveyed (HSI and Aquatic)
 - Unsuitable for Full Aquatic Survey (Based on HSI Score)
 - Pond to survey 2014
 - Ditches**
 - Fully Surveyed (HSI and Aquatic)
 - Unsuitable for Full Aquatic Survey (Based on HSI Score)
 - No Survey Access

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ISSUE	DATE	COMMENTS		DRAW	CHKD	APPD			

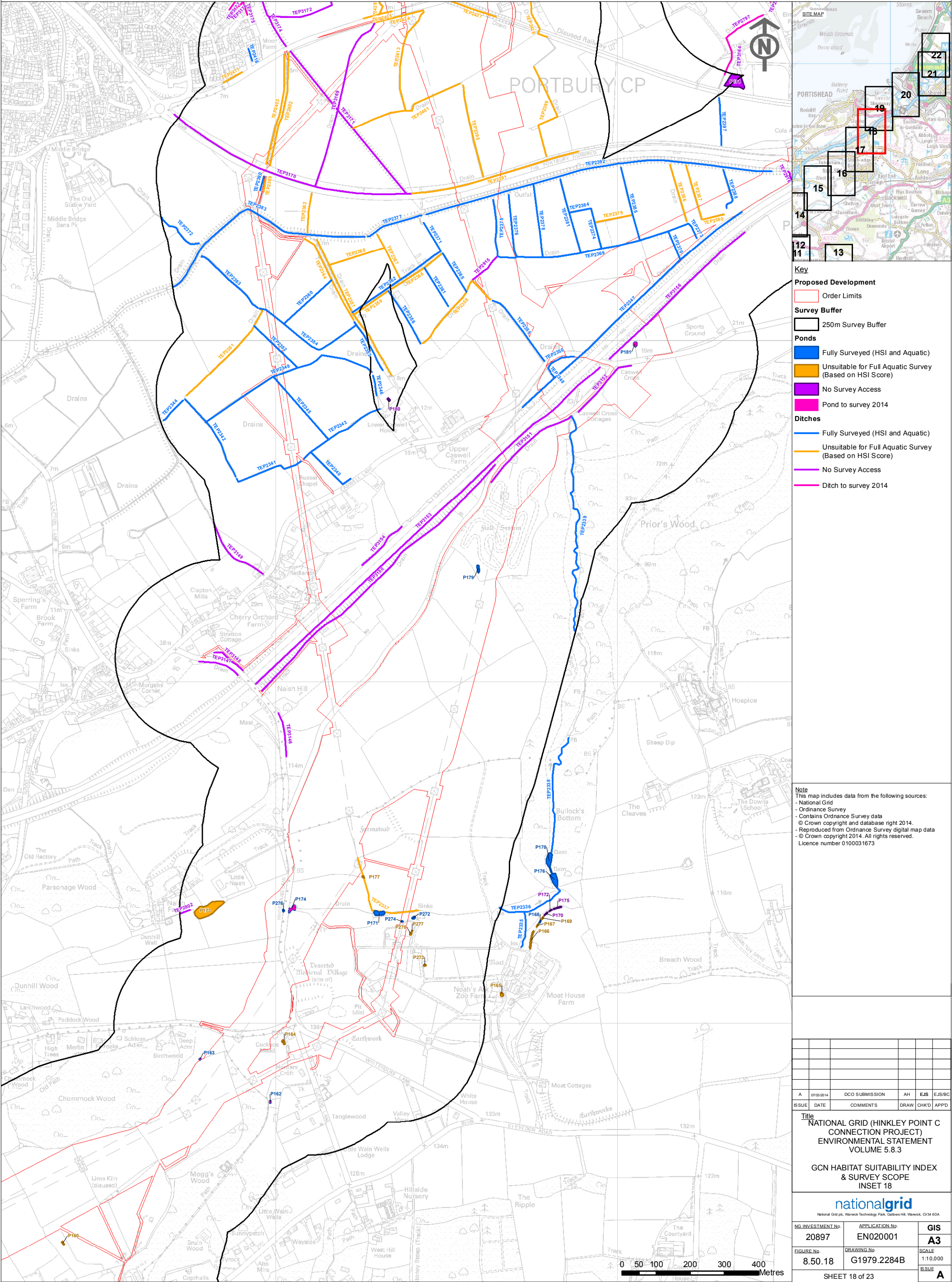
Title
NATIONAL GRID (HINKLEY POINT C
CONNECTION PROJECT)
ENVIRONMENTAL STATEMENT
VOLUME 5.8.3

GCN HABITAT SUITABILITY INDEX
& SURVEY SCOPE
INSET 17

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FIGURE No: 8.50.17		DRAWING No: G1979.2284B		SCALE 1:10,000	
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NATIONAL GRID (HINKLEY POINT C CONNECTION PROJECT)
ENVIRONMENTAL STATEMENT (VOLUME 5.8.3)

GCN HABITAT SUITABILITY INDEX
& SURVEY SCOPE
INSET 18

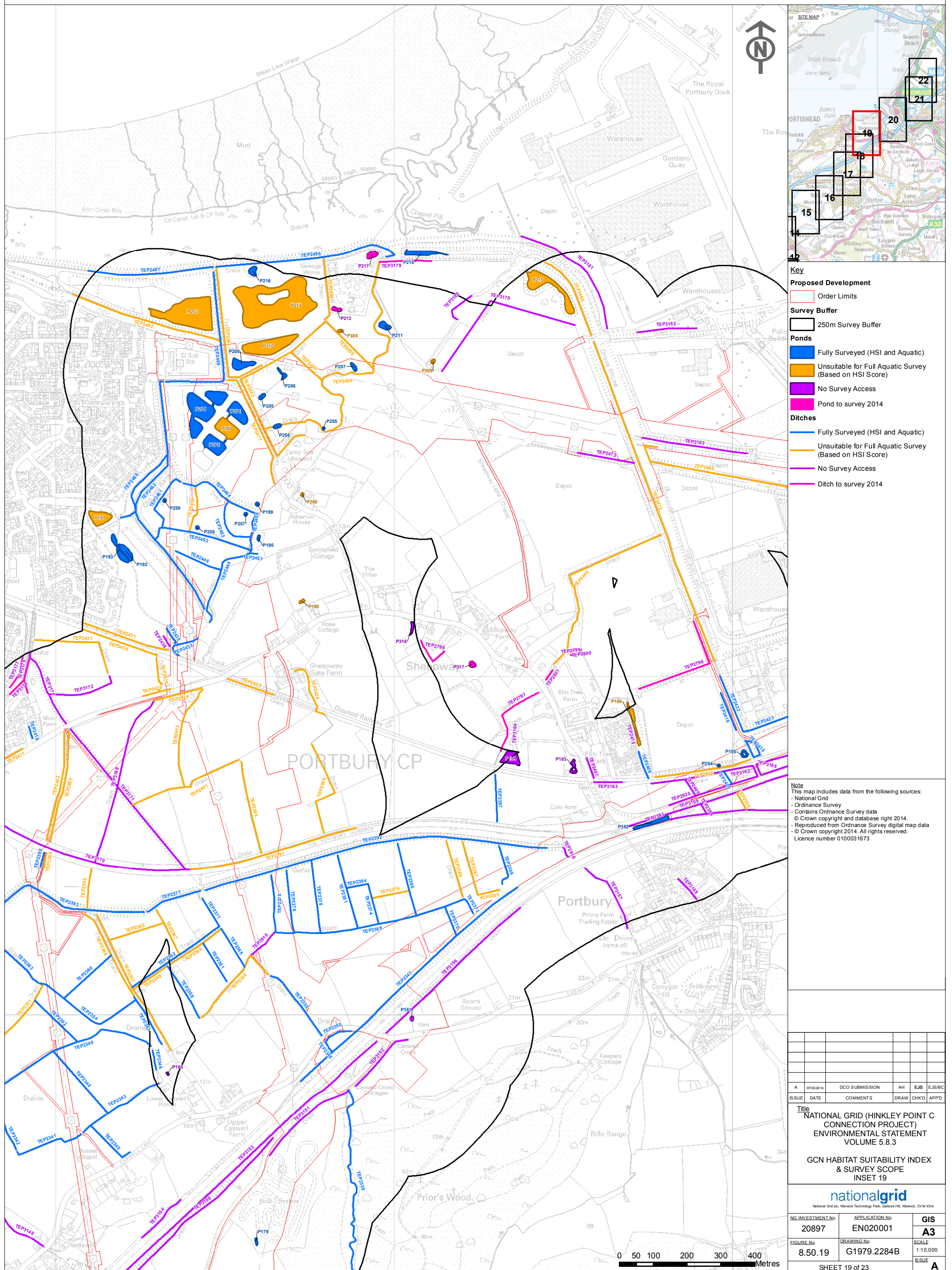


- Key**
- Proposed Development**
 - Order Limits
 - Survey Buffer**
 - 250m Survey Buffer
 - Ponds**
 - Fully Surveyed (HSI and Aquatic)
 - Unsuitable for Full Aquatic Survey (Based on HSI Score)
 - No Survey Access
 - Pond to survey 2014
 - Ditches**
 - Fully Surveyed (HSI and Aquatic)
 - Unsuitable for Full Aquatic Survey (Based on HSI Score)
 - No Survey Access
 - Ditch to survey 2014

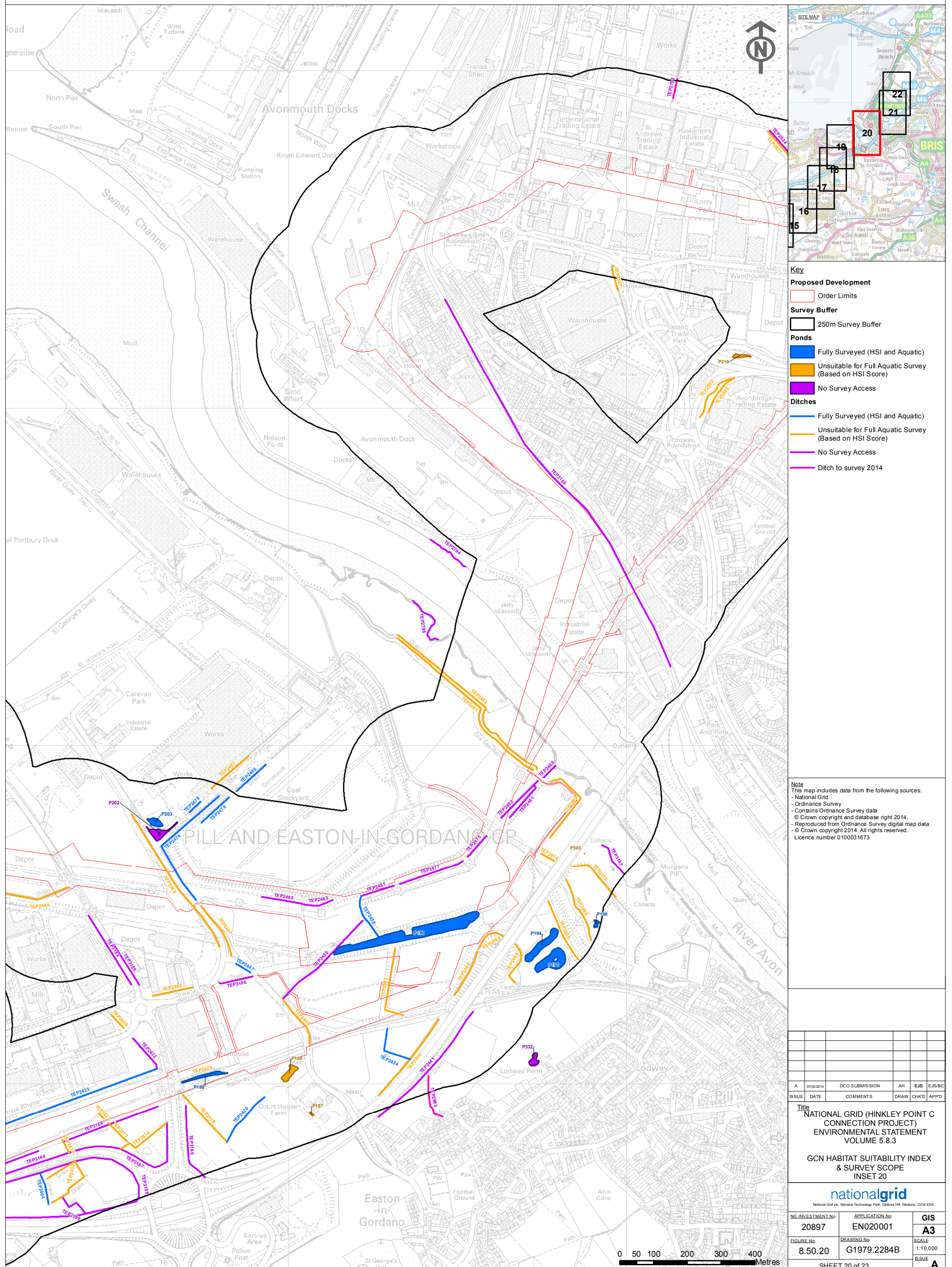
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ISSUE	DATE	COMMENTS	DRAW	CHKD	APPD
Title					
NATIONAL GRID (HINKLEY POINT C CONNECTION PROJECT) ENVIRONMENTAL STATEMENT VOLUME 5.8.3					
GCN HABITAT SUITABILITY INDEX & SURVEY SCOPE INSET 18					
nationalgrid					
National Grid plc, Warwick Technology Park, Garswood Rd, Warwick, CV34 6DA					
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FIGURE No. 8.50.18		DRAWING No. G1979.2284B		SCALE 1:10,000	
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GCN HABITAT SUITABILITY INDEX
& SURVEY SCOPE
INSET 19

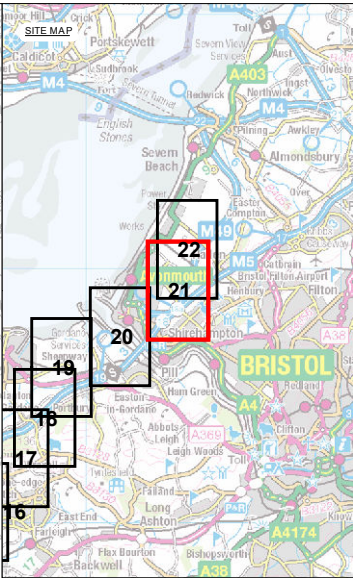
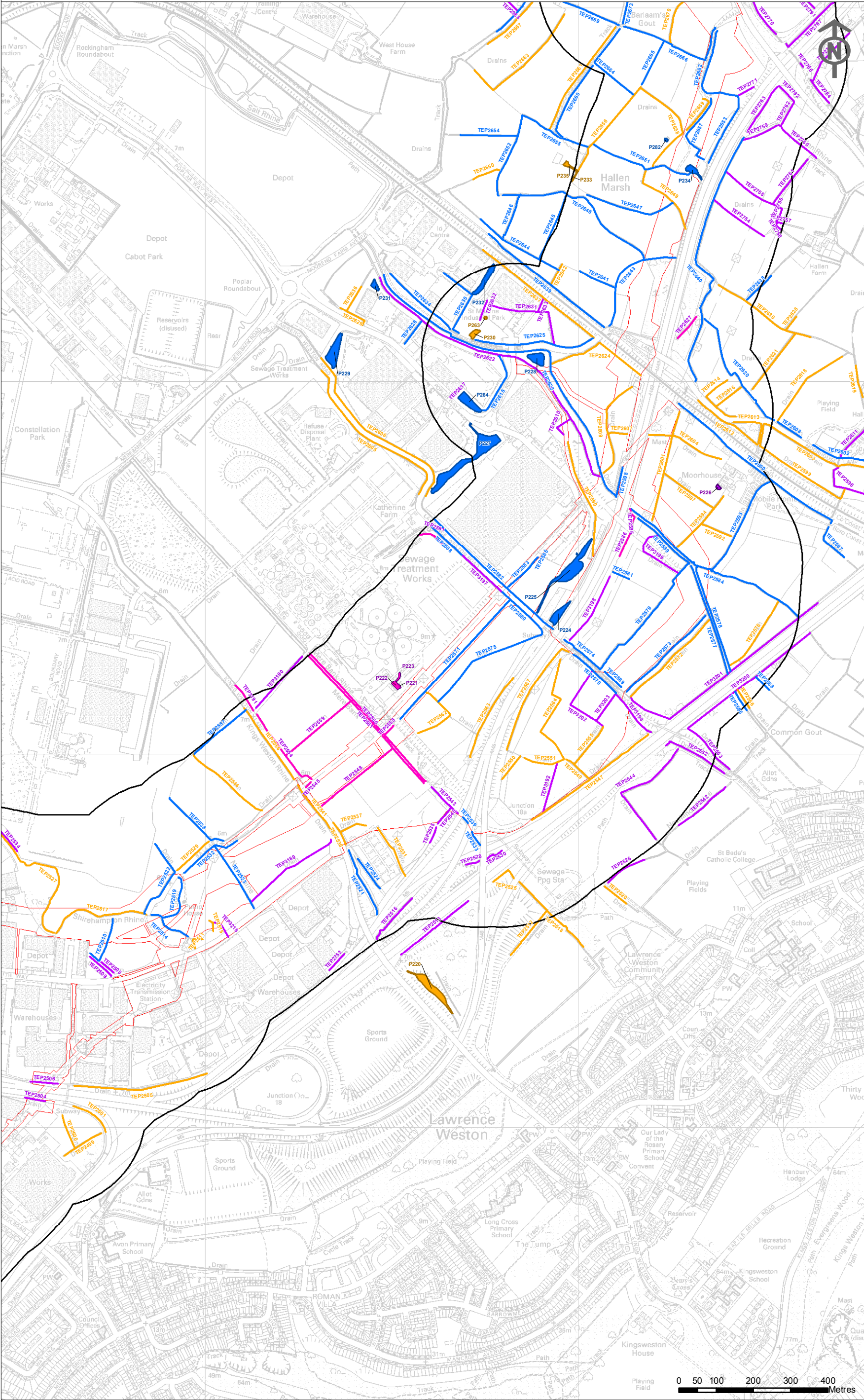


GCN HABITAT SUITABILITY INDEX
& SURVEY SCOPE
INSET 20



NATIONAL GRID (HINKLEY POINT C CONNECTION PROJECT)
ENVIRONMENTAL STATEMENT (VOLUME 5.8.3)

GCN HABITAT SUITABILITY INDEX
& SURVEY SCOPE
INSET 21

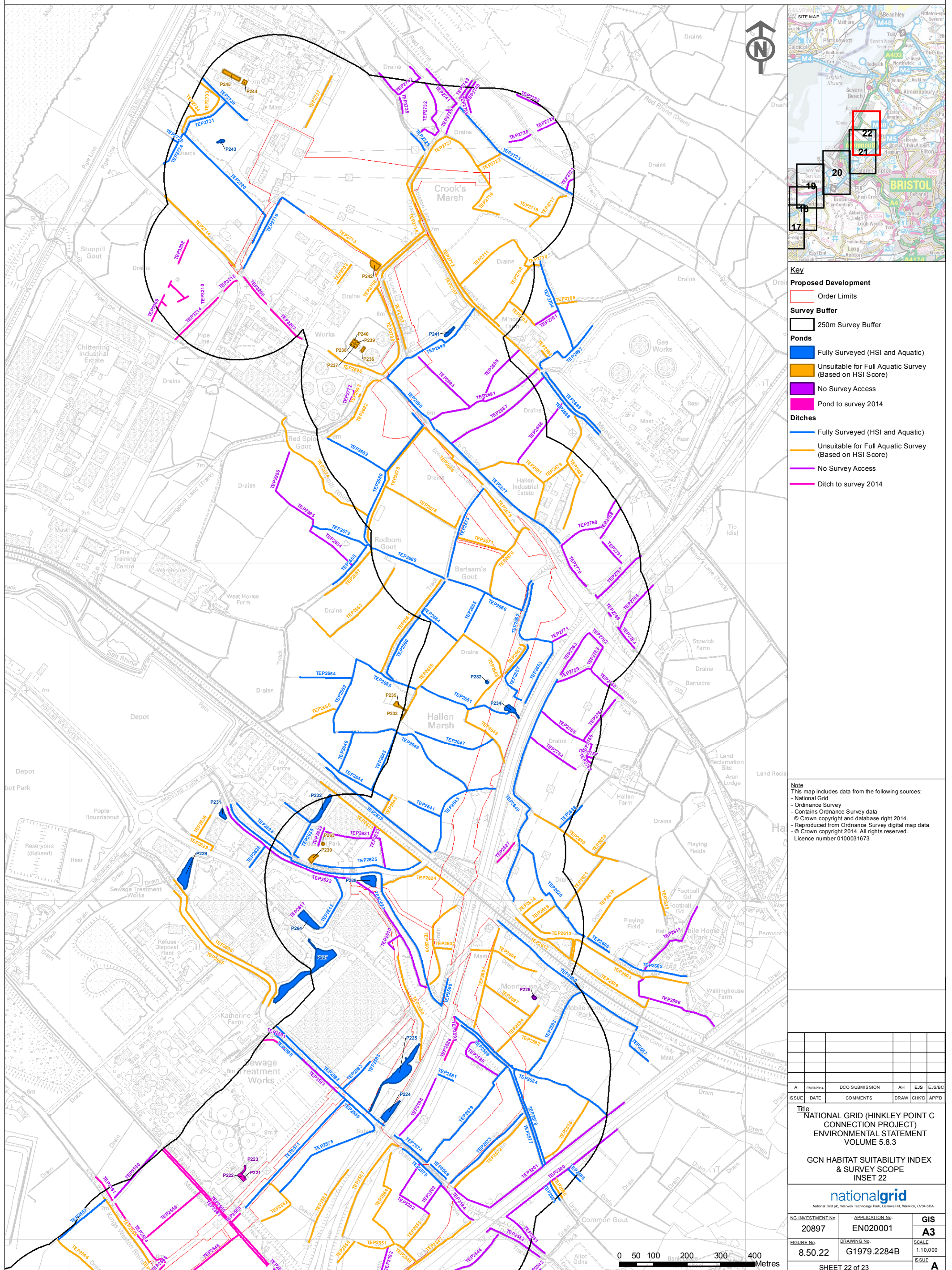


- Key**
- Proposed Development**
- Order Limits
- Survey Buffer**
- 250m Survey Buffer
- Ponds**
- Fully Surveyed (HSI and Aquatic)
 - Unsuitable for Full Aquatic Survey (Based on HSI Score)
 - No Survey Access
 - Pond to survey 2014
- Ditches**
- Fully Surveyed (HSI and Aquatic)
 - Unsuitable for Full Aquatic Survey (Based on HSI Score)
 - No Survey Access
 - Ditch to survey 2014

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ISSUE	DATE	COMMENTS	DRAW	CHKD	APPD
Title					
NATIONAL GRID (HINKLEY POINT C CONNECTION PROJECT) ENVIRONMENTAL STATEMENT VOLUME 5.8.3					
GCN HABITAT SUITABILITY INDEX & SURVEY SCOPE INSET 21					
nationalgrid					
National Grid plc, Warwick Technology Park, Gaisborough Hill, Warwick, CV34 6DA					
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FIGURE No.		DRAWING No.		SCALE	
8.50.21		G1979.2284B		1:10,000	
				ISSUE	
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GCN HABITAT SUITABILITY INDEX
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GCN HABITAT SUITABILITY INDEX
& SURVEY SCOPE
INSET 23

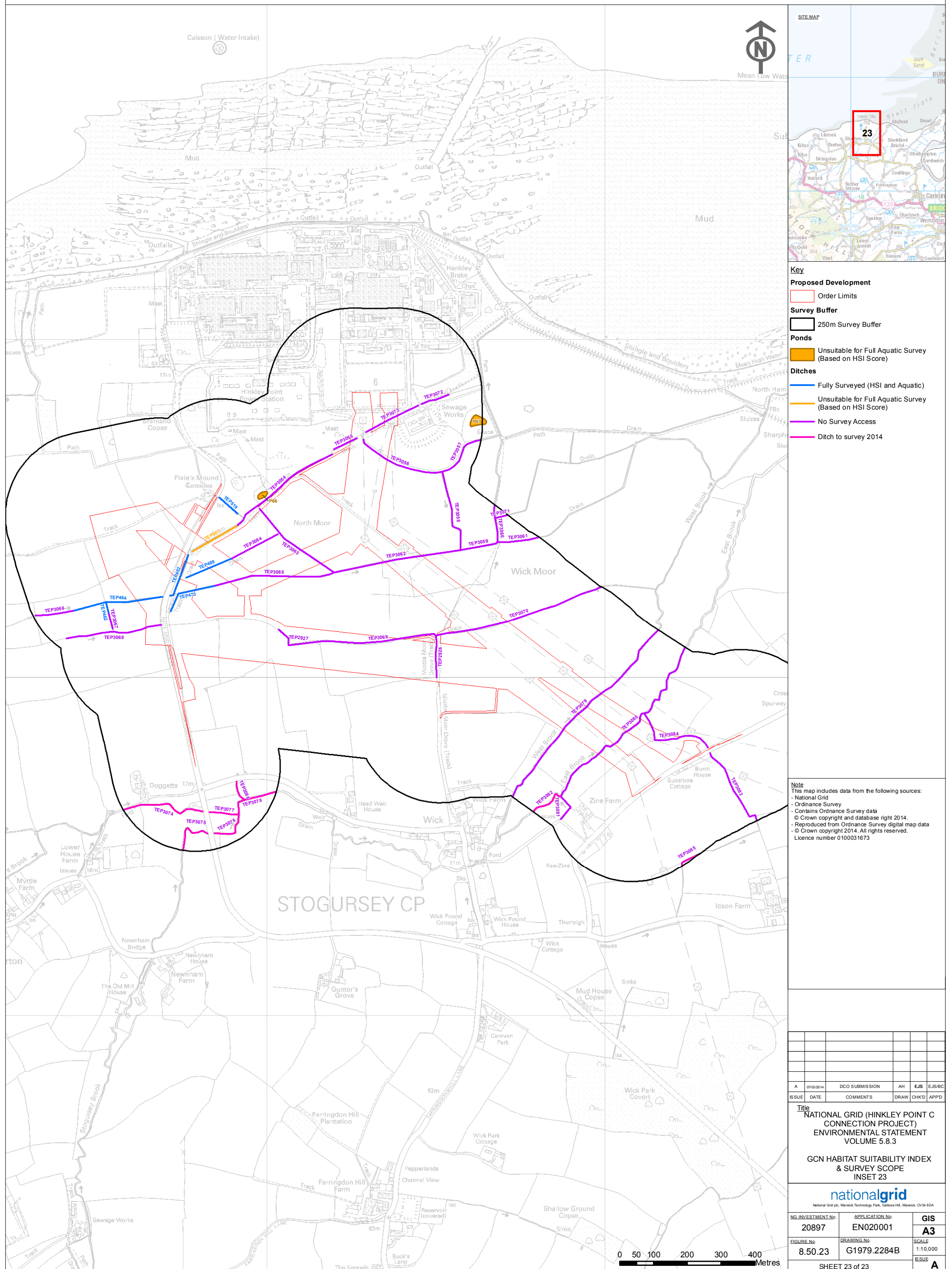
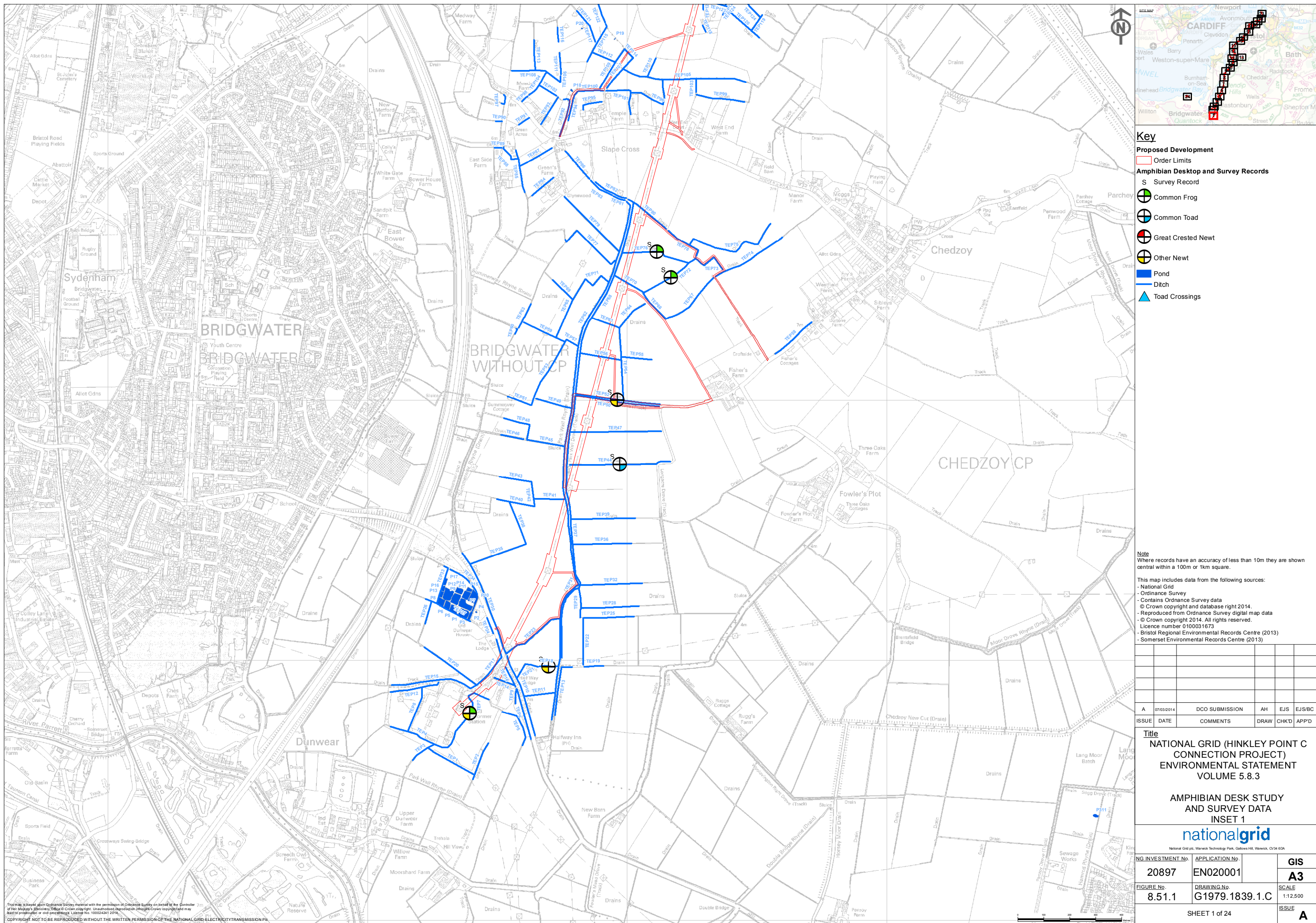
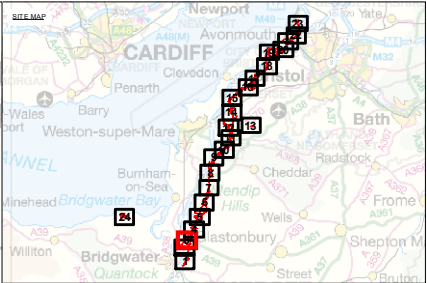
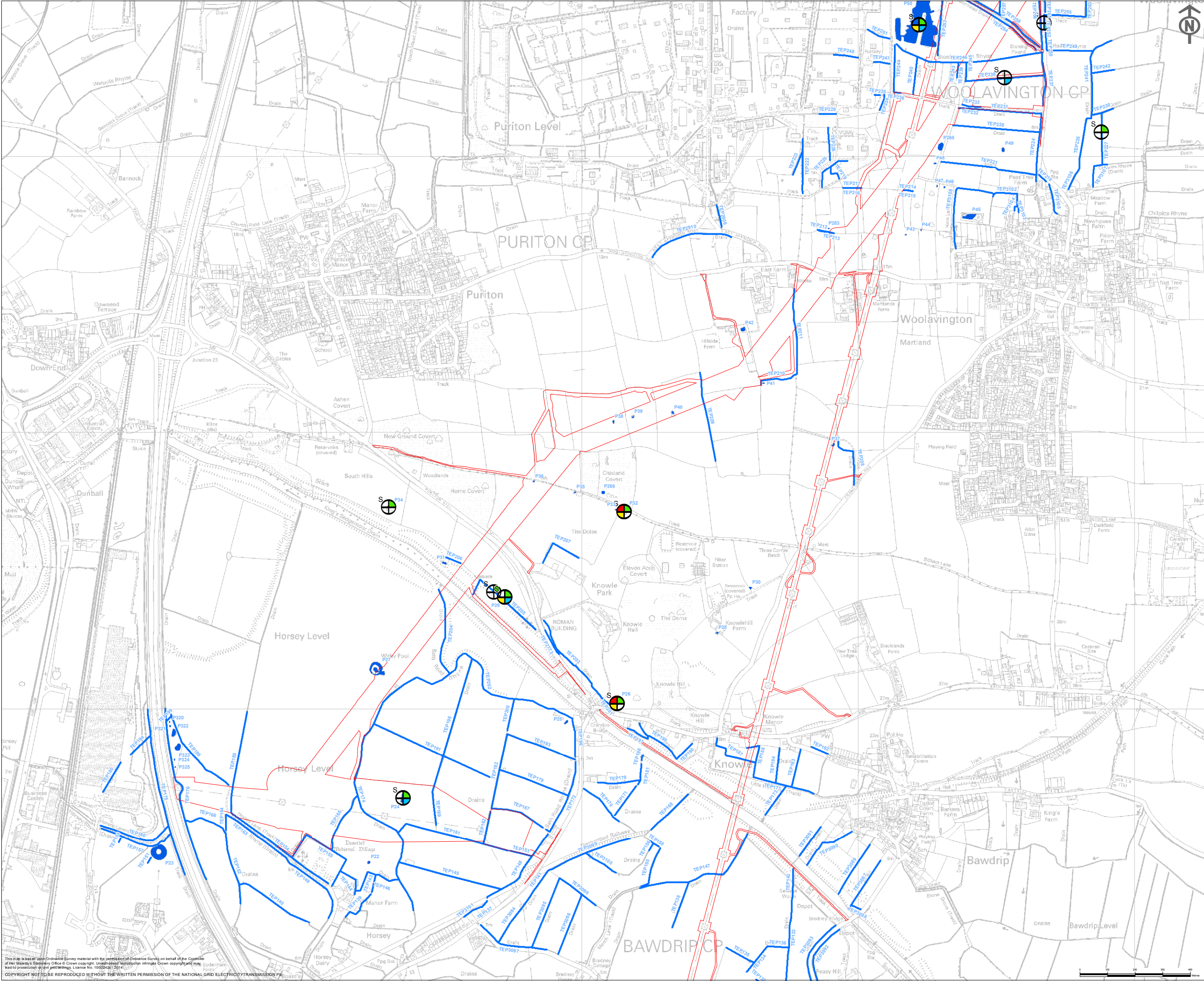


Figure 8.51 – Amphibian Desk Study & Survey Data





Key

Proposed Development

- Order Limits

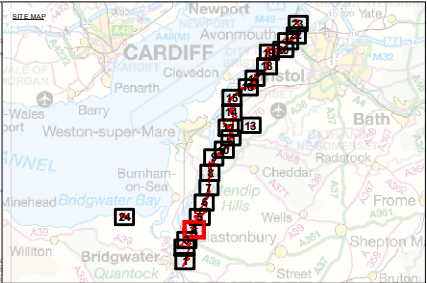
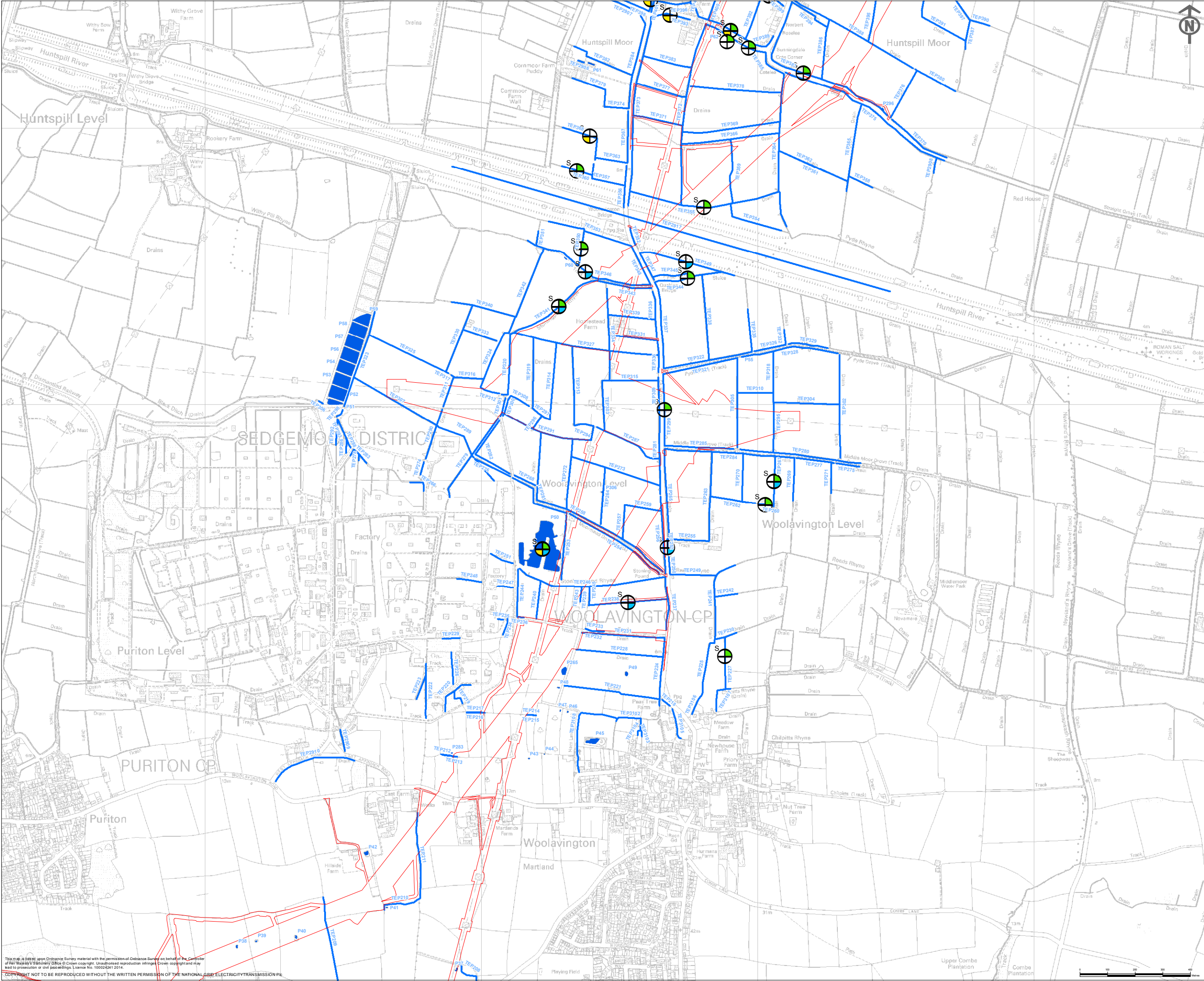
Amphibian Desktop and Survey Records

- S Survey Record
- Common Frog
- Common Toad
- Great Crested Newt
- Other Newt
- Pond
- Ditch
- Toad Crossings

Note
Where records have an accuracy of less than 10m they are shown central within a 100m or 1km square.

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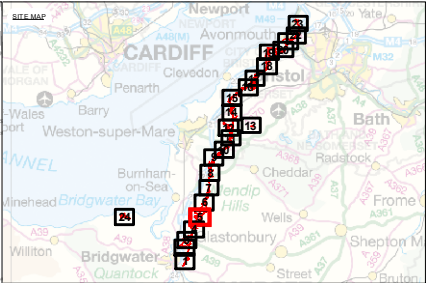
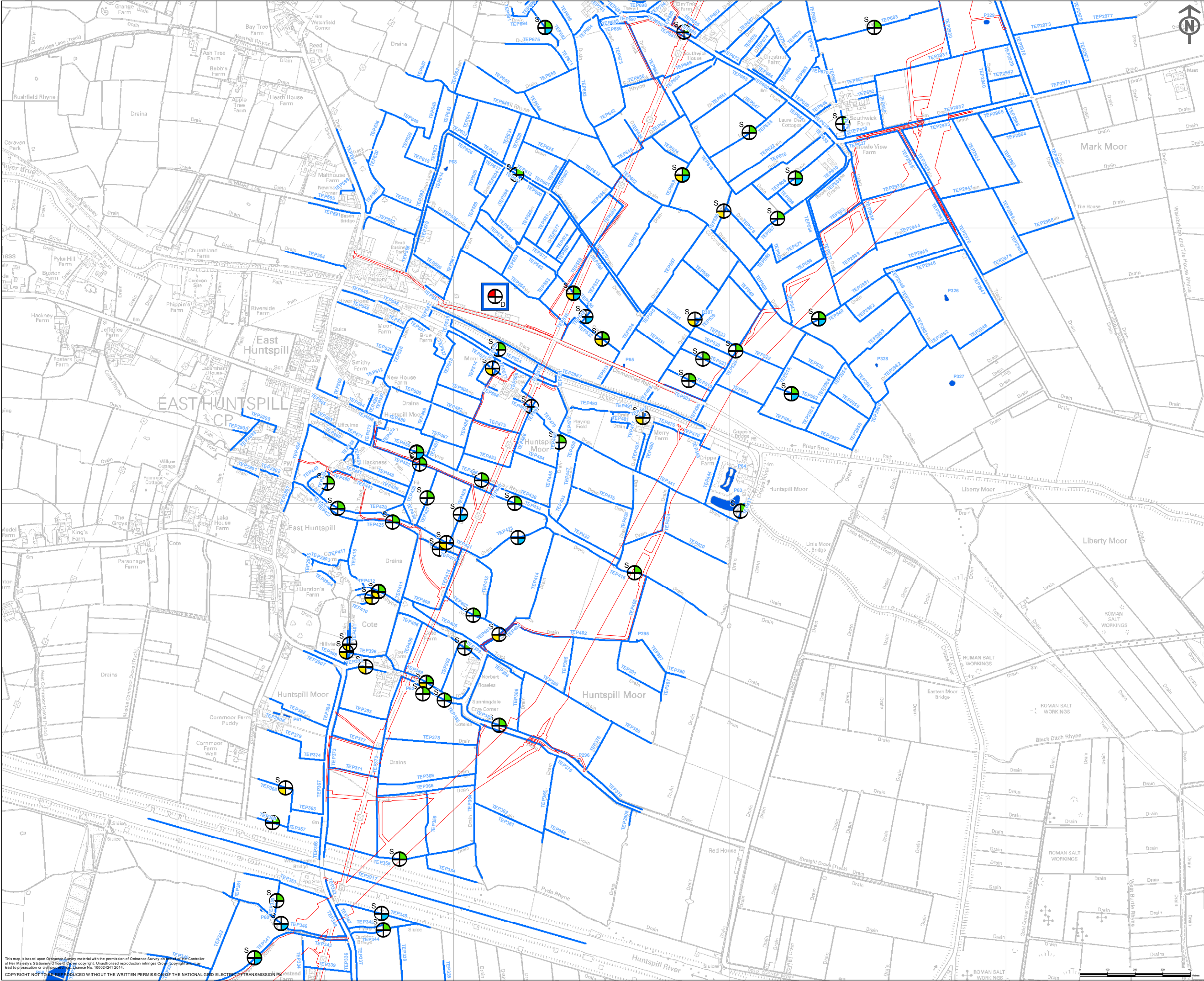
- Key**
- Proposed Development
 - Order Limits
 - Amphibian Desktop and Survey Records
 - S Survey Record
 - Common Frog
 - Common Toad
 - Great Crested Newt
 - Other Newt
 - Pond
 - Ditch
 - Toad Crossings

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Title NATIONAL GRID (HINKLEY POINT C CONNECTION PROJECT) ENVIRONMENTAL STATEMENT VOLUME 5.8.3 AMPHIBIAN DESK STUDY AND SURVEY DATA INSERT 4  National Grid plc, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA						
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20897		EN020001		A3		
FIGURE No.		DRAWING No.		SCALE		
8.51.4		G1979.1839.4.C		1:12,500		
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Key

Proposed Development

- Order Limits

Amphibian Desktop and Survey Records

- Amphibian Desktop Record Accurate to 100m
- Desktop Record
- Survey Record
- Common Frog
- Common Toad
- Great Crested Newt
- Other Newt
- Pond
- Ditch
- Toad Crossings

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ISSUE	DATE	COMMENTS	DRAW	CHKD	APPD

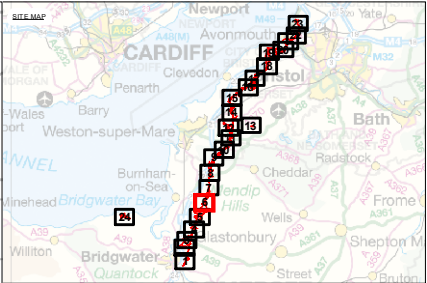
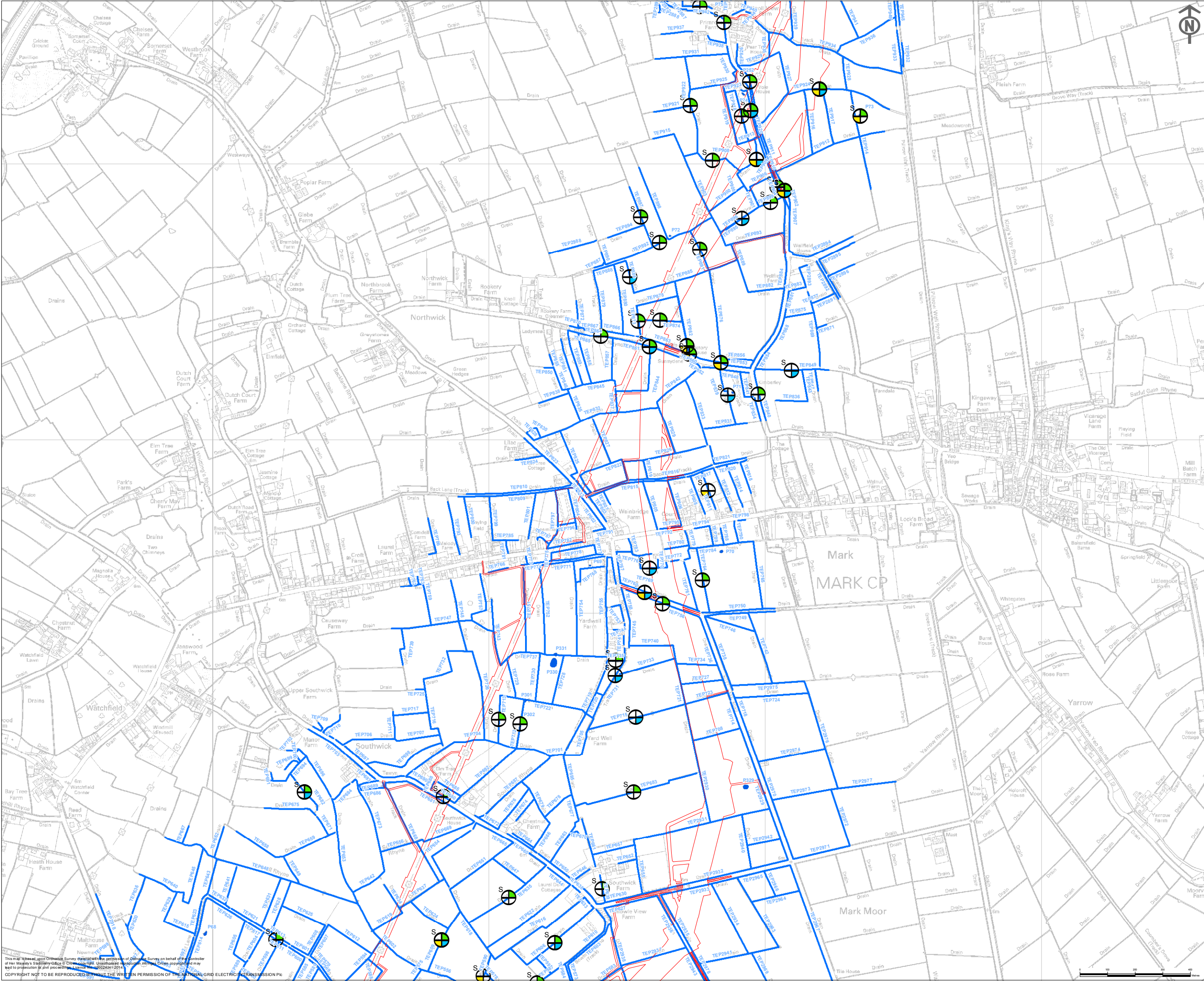
Title
NATIONAL GRID (HINKLEY POINT C CONNECTION PROJECT)
ENVIRONMENTAL STATEMENT
VOLUME 5.8.3

AMPHIBIAN DESK STUDY
AND SURVEY DATA
INSERT 5

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FIGURE No.	DRAWING No.	SCALE	
8.51.5	G1979.1839.5.C	1:12,500	
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- Key**
- Proposed Development
 - Order Limits
 - Amphibian Desktop and Survey Records
 - S Survey Record
 - Common Frog
 - Common Toad
 - Great Crested Newt
 - Other Newt
 - Pond
 - Ditch
 - Toad Crossings

Note
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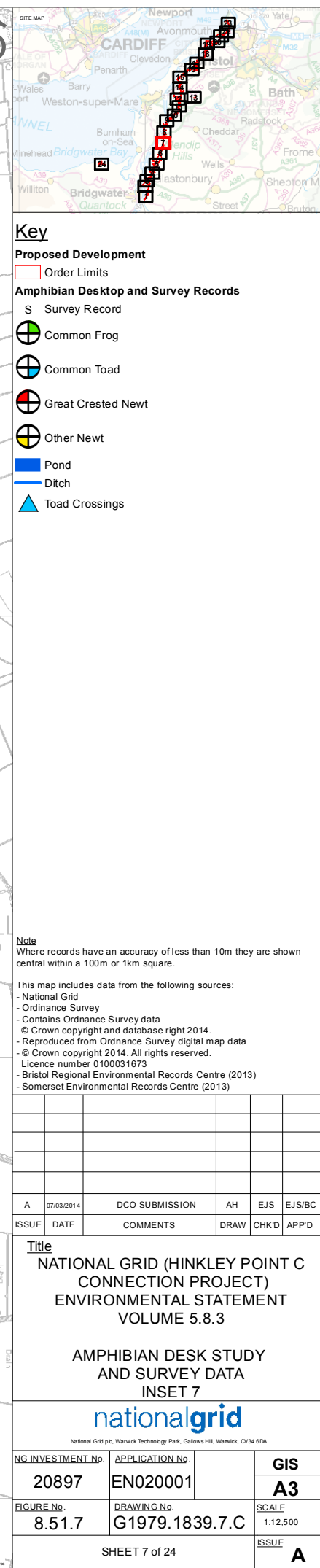
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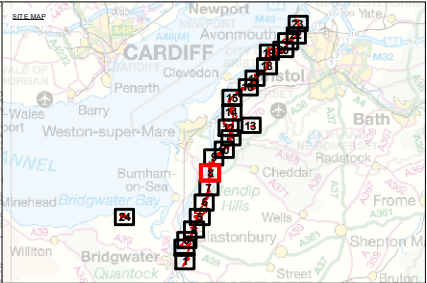
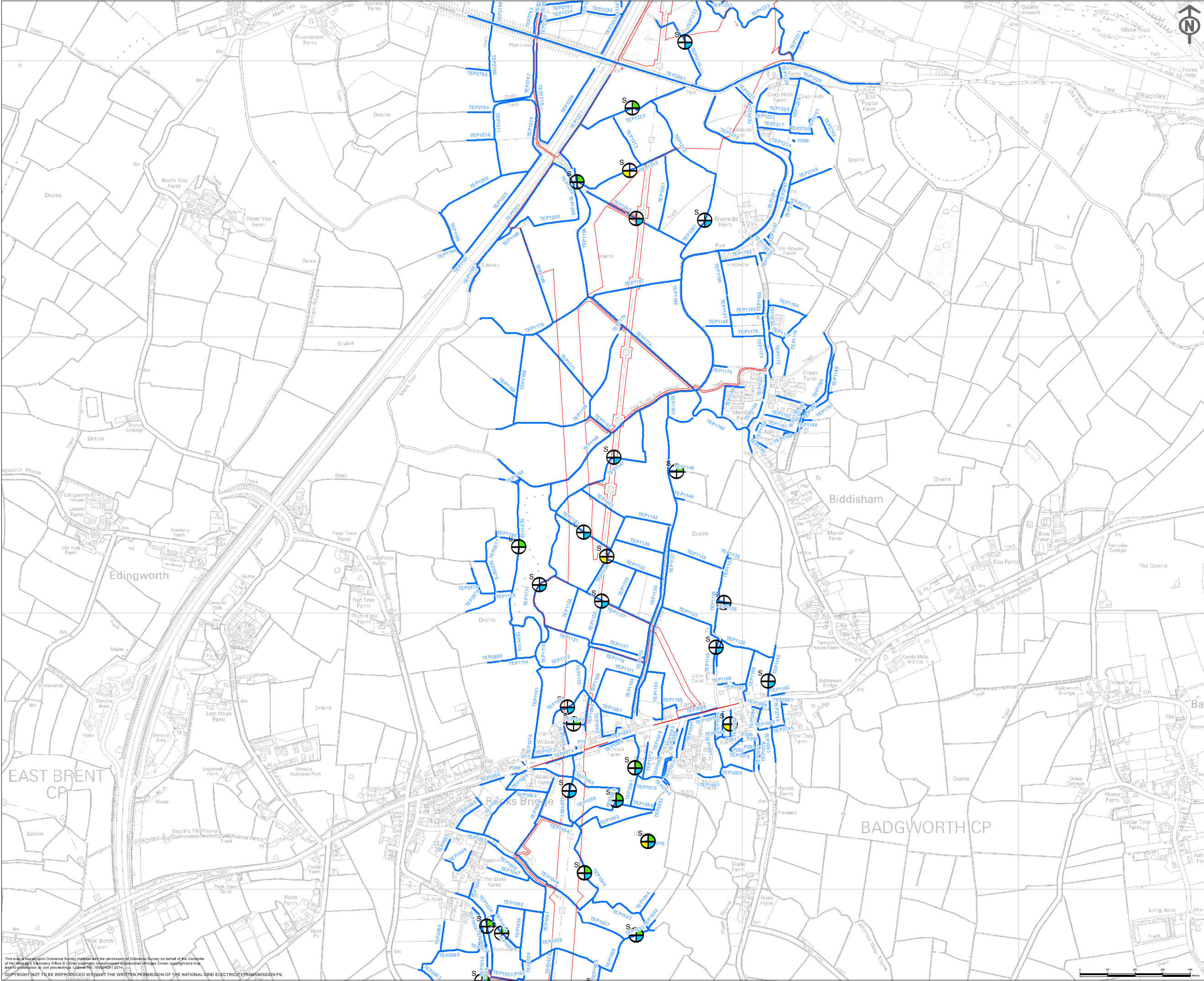
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ENVIRONMENTAL STATEMENT
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AMPHIBIAN DESK STUDY
AND SURVEY DATA
INSERT 6

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Key

Proposed Development

- Order Limits

Amphibian Desktop and Survey Records

- S Survey Record
- Common Frog
- Common Toad
- Great Crested Newt
- Other Newt
- Pond
- Ditch
- Toad Crossings

Note
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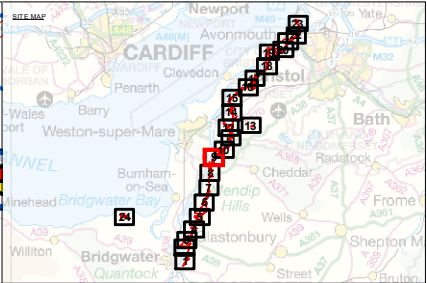
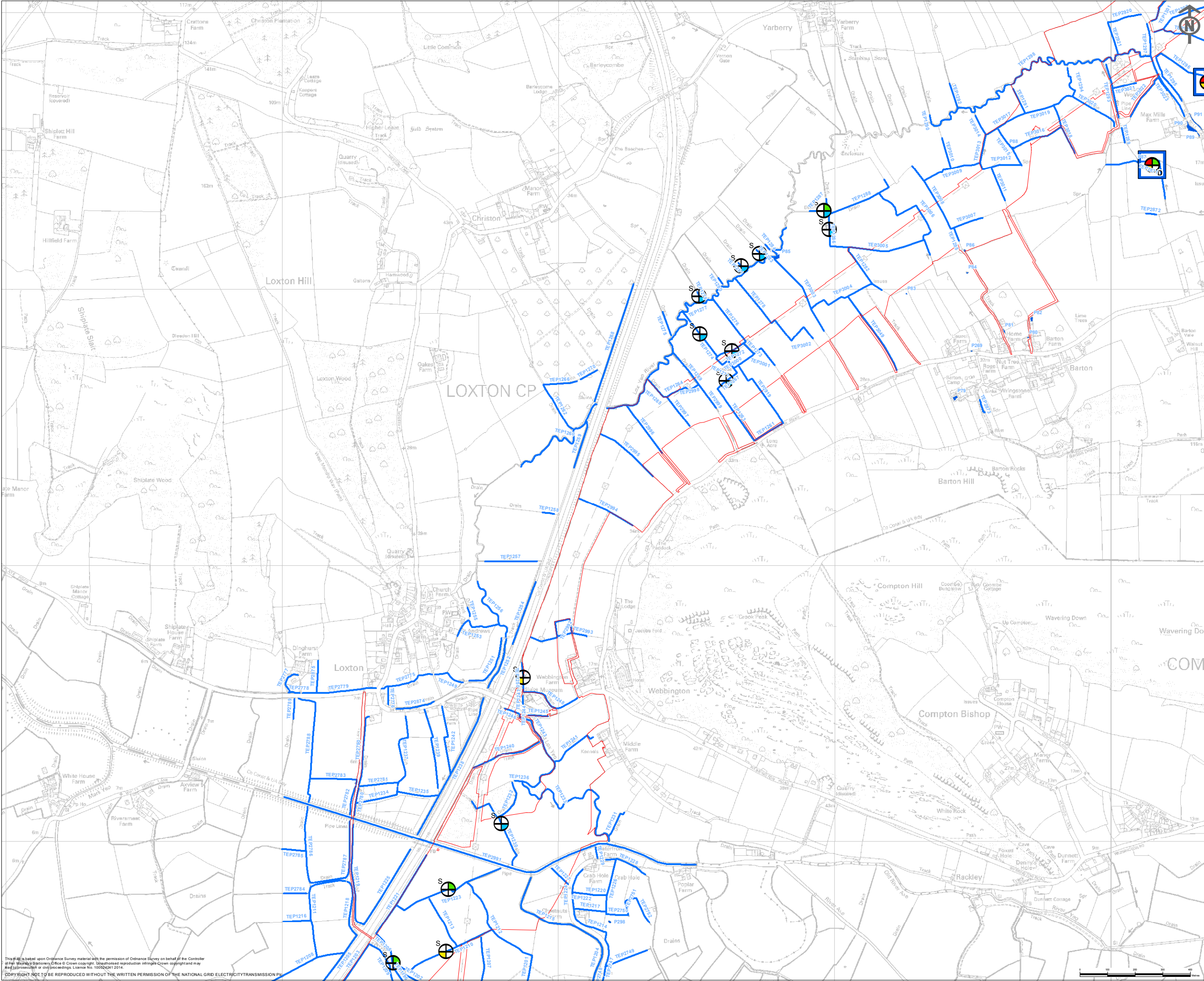
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ISSUE	DATE	COMMENTS	DRAW	CHKD	APPD

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AMPHIBIAN DESK STUDY AND SURVEY DATA
INSET 8

			
National Grid plc, Warwick Technology Park, Galsworthy Hill, Warwick, CV34 6DA			
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FIGURE No.		DRAWING No.	SCALE
8.51.8		G1979.1839.8.C	1:12,500
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Key

Proposed Development

- Order Limits

Amphibian Desktop and Survey Records

- Amphibian Desktop Record Accurate to 100m
- D Desktop Record
- S Survey Record
- Common Frog
- Common Toad
- Great Crested Newt
- Other Newt
- Pond
- Ditch
- Toad Crossings

Note
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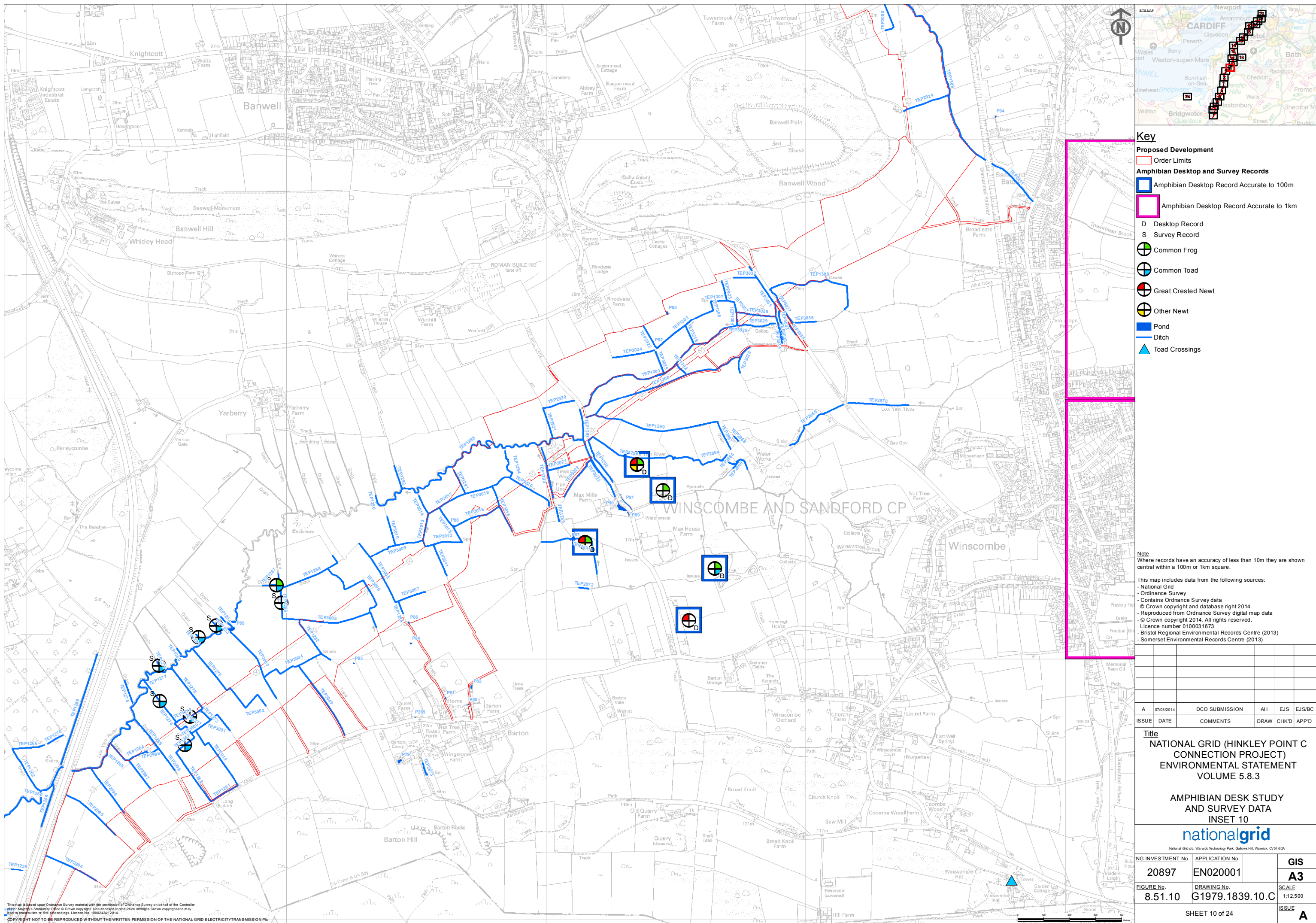
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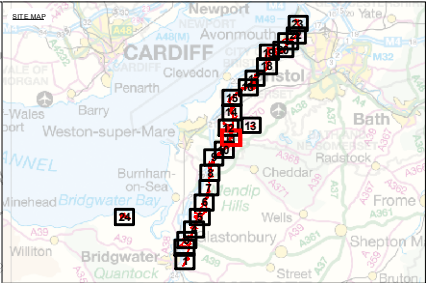
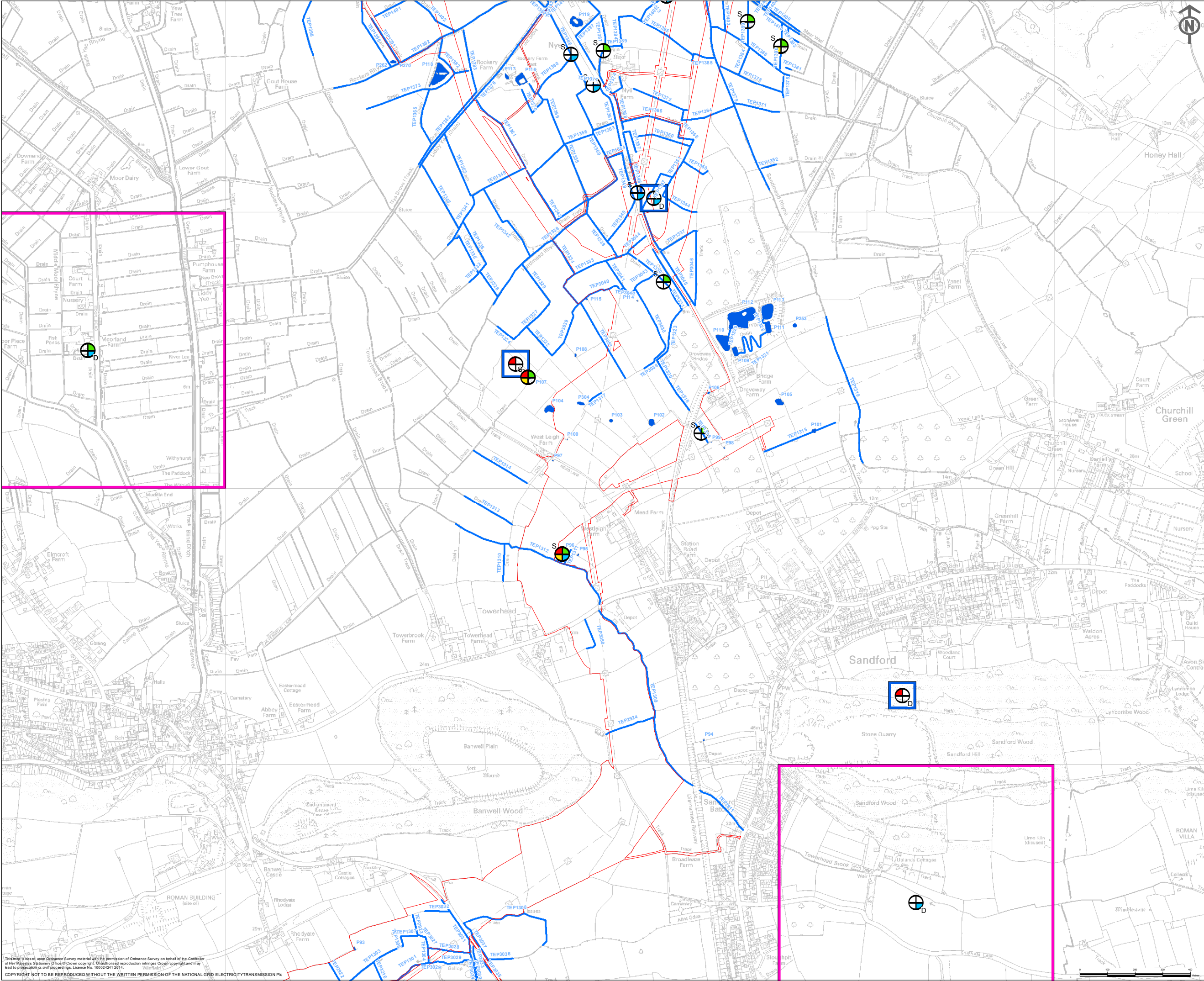
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ISSUE	DATE	COMMENTS	DRAW	CHKD	APPD

Title
NATIONAL GRID (HINKLEY POINT C CONNECTION PROJECT)
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AMPHIBIAN DESK STUDY
AND SURVEY DATA
INSET 9

National Grid plc, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA			
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FIGURE No.	DRAWING No.	SCALE	
8.51.9	G1979.1839.9.C	1:12,500	
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Key

Proposed Development

- Order Limits

Amphibian Desktop and Survey Records

- Amphibian Desktop Record Accurate to 100m
- Amphibian Desktop Record Accurate to 1km

Legend

- D Desktop Record
- S Survey Record
- Common Frog
- Common Toad
- Great Crested Newt
- Other Newt
- Pond
- Ditch
- Toad Crossings

Note
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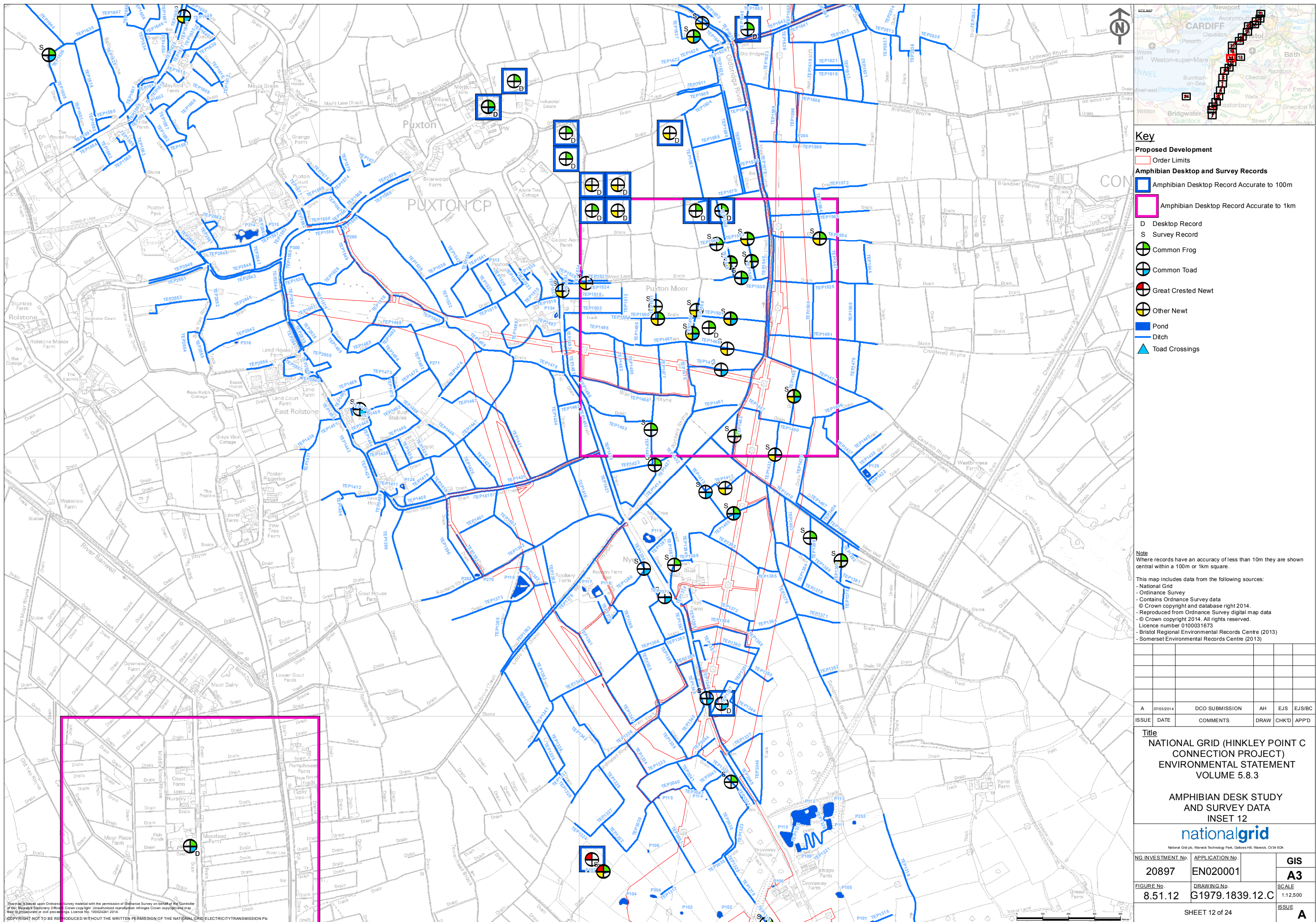
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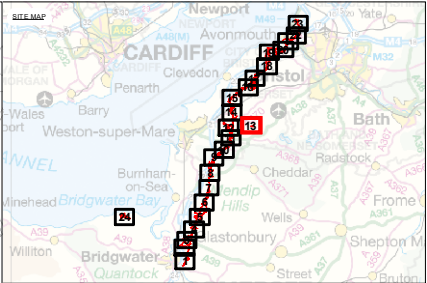
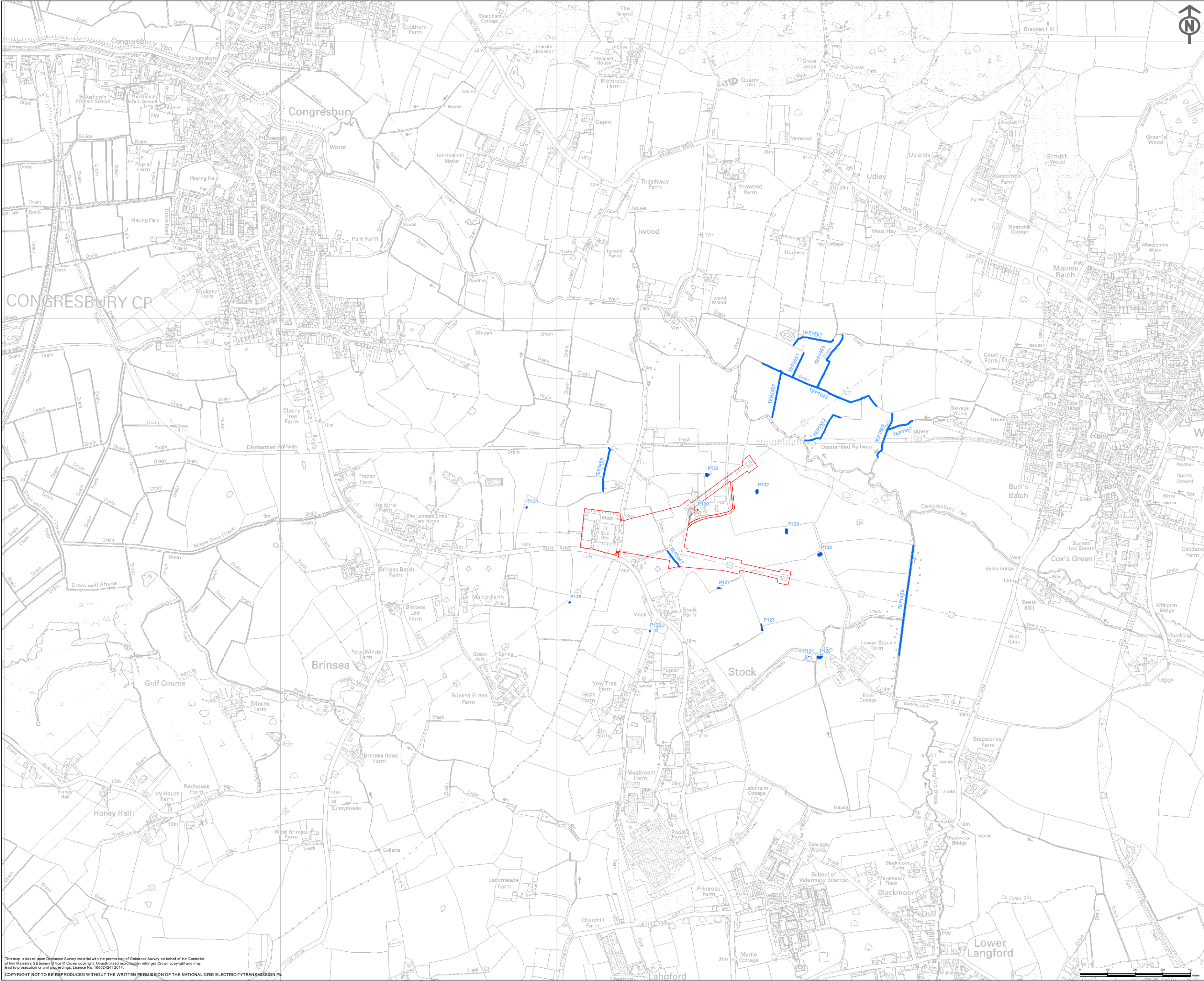
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ENVIRONMENTAL STATEMENT
VOLUME 5.8.3

AMPHIBIAN DESK STUDY
AND SURVEY DATA
INSET 11

nationalgrid
National Grid plc, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA

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FIGURE No.	DRAWING No.	SCALE
8.51.11	G1979.1839.11.C	1:12,500
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Key

Proposed Development

- Order Limits

Amphibian Desktop and Survey Records

- Common Frog
- Common Toad
- Great Crested Newt
- Other Newt
- Pond
- Ditch
- Toad Crossings

Note
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ISSUE	DATE	COMMENTS	DRAW	CHKD	APPD

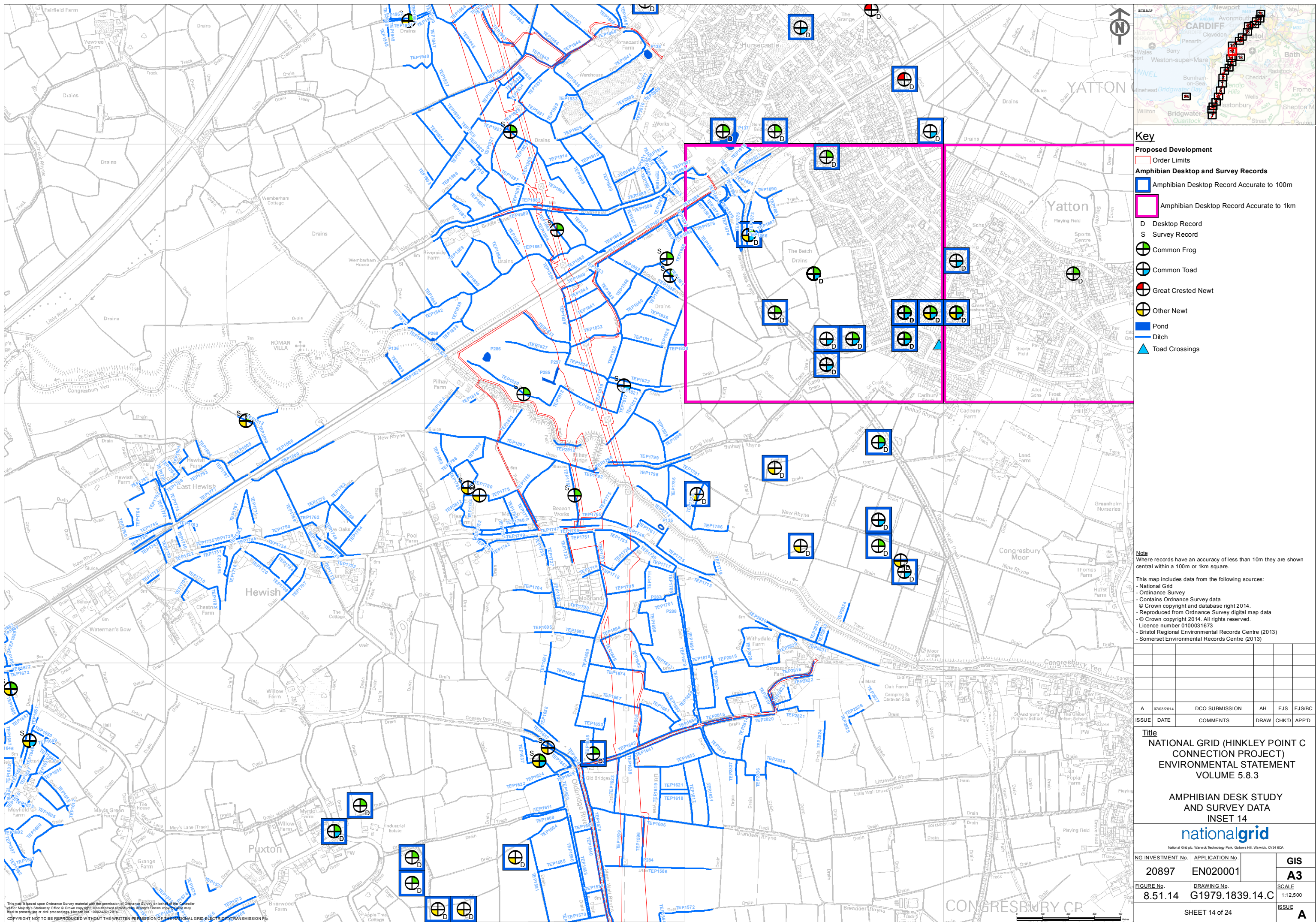
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NATIONAL GRID (HINKLEY POINT C CONNECTION PROJECT)
ENVIRONMENTAL STATEMENT
VOLUME 5.8.3

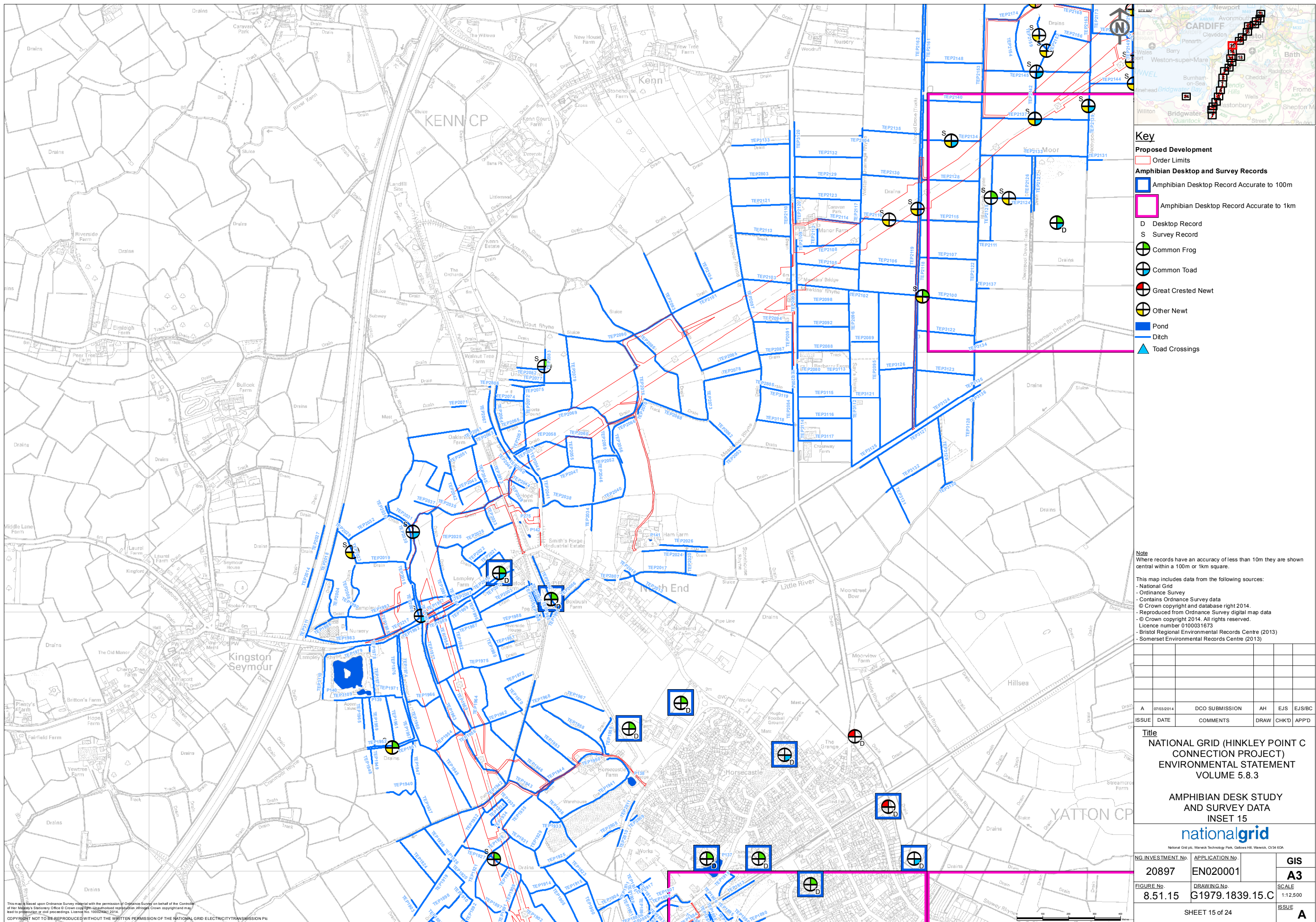
AMPHIBIAN DESK STUDY AND SURVEY DATA
INSET 13

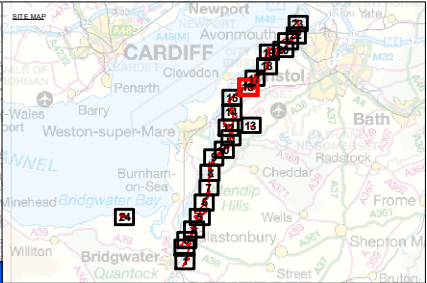
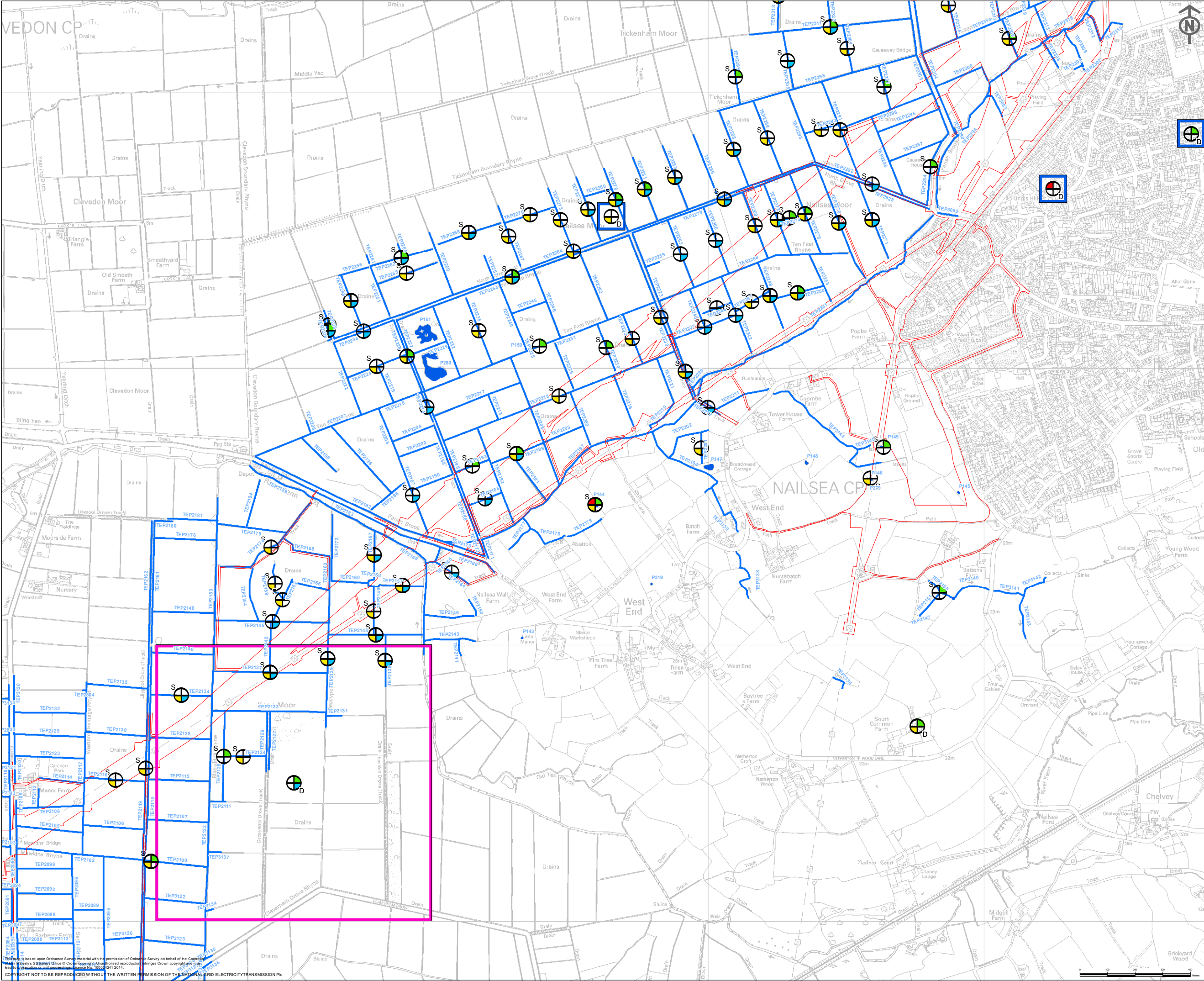
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FIGURE No.	DRAWING No.	SCALE	
8.51.13	G1979.1839.13.C	1:12,500	
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Key

Proposed Development

- Order Limits

Amphibian Desktop and Survey Records

- Amphibian Desktop Record Accurate to 100m
- Amphibian Desktop Record Accurate to 1km

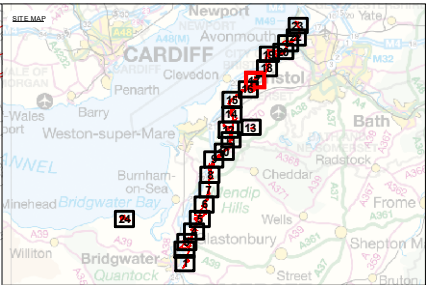
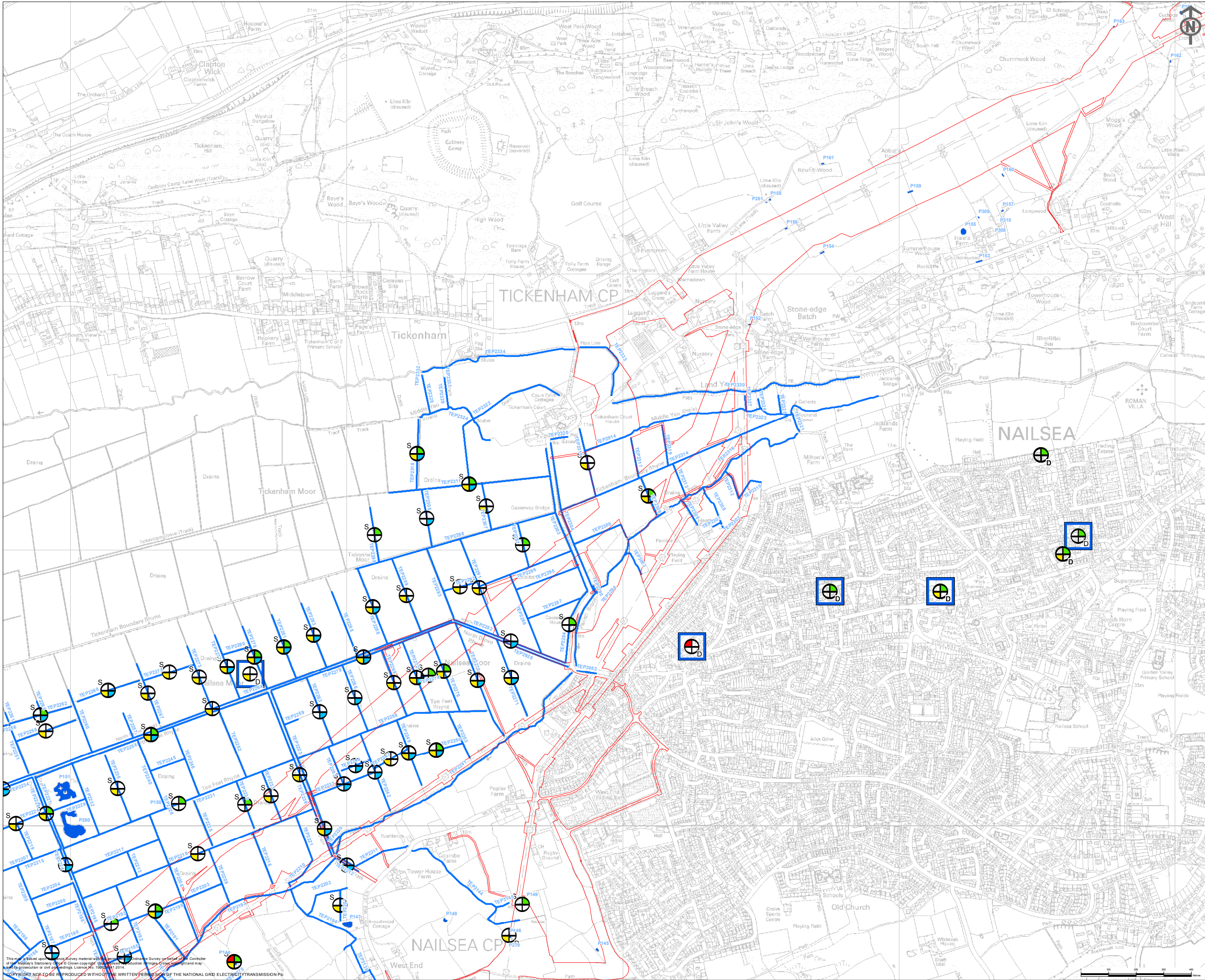
Legend

- D Desktop Record
- S Survey Record
- Common Frog
- Common Toad
- Great Crested Newt
- Other Newt
- Pond
- Ditch
- Toad Crossings

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- Key**
- Proposed Development**
- Order Limits
- Amphibian Desktop and Survey Records**
- Amphibian Desktop Record Accurate to 100m
 - D Desktop Record
 - S Survey Record
 - Common Frog
 - Common Toad
 - Great Crested Newt
 - Other Newt
 - Pond
 - Ditch
 - Toad Crossings

Note
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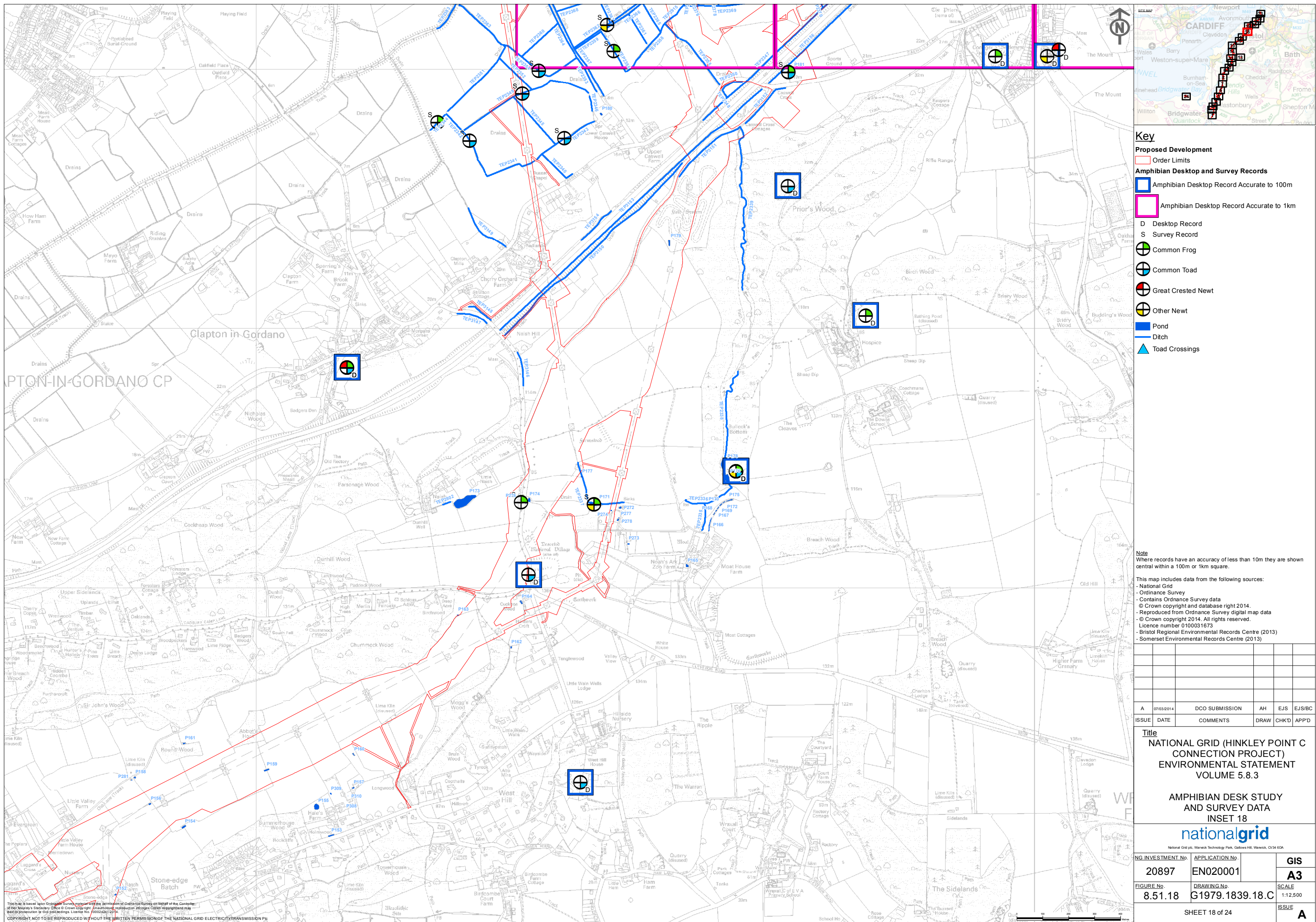
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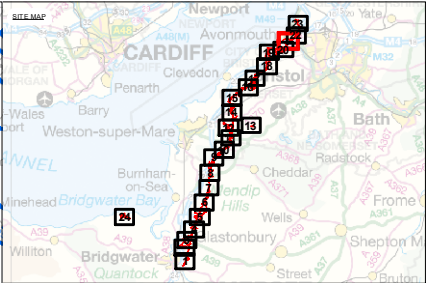
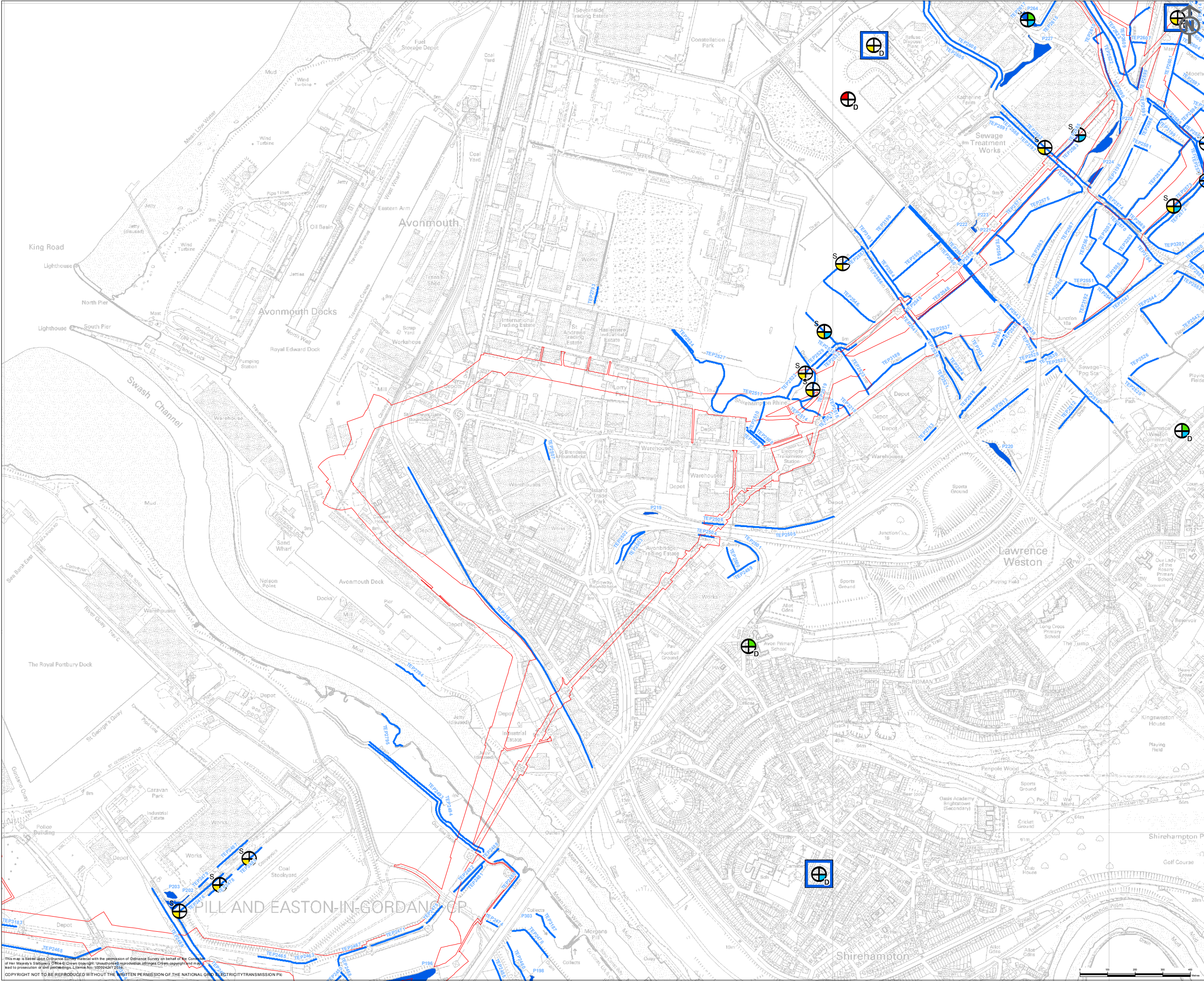
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AMPHIBIAN DESK STUDY
AND SURVEY DATA
INSET 17

</





- Key**
- Proposed Development**
 - Order Limits
 - Amphibian Desktop and Survey Records**
 - Amphibian Desktop Record Accurate to 100m
 - D Desktop Record
 - S Survey Record
 - Common Frog
 - Common Toad
 - Great Crested Newt
 - Other Newt
 - Pond
 - Ditch
 - Toad Crossings

Note
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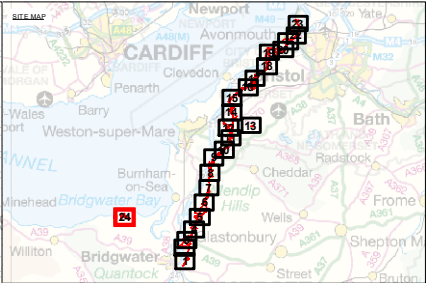
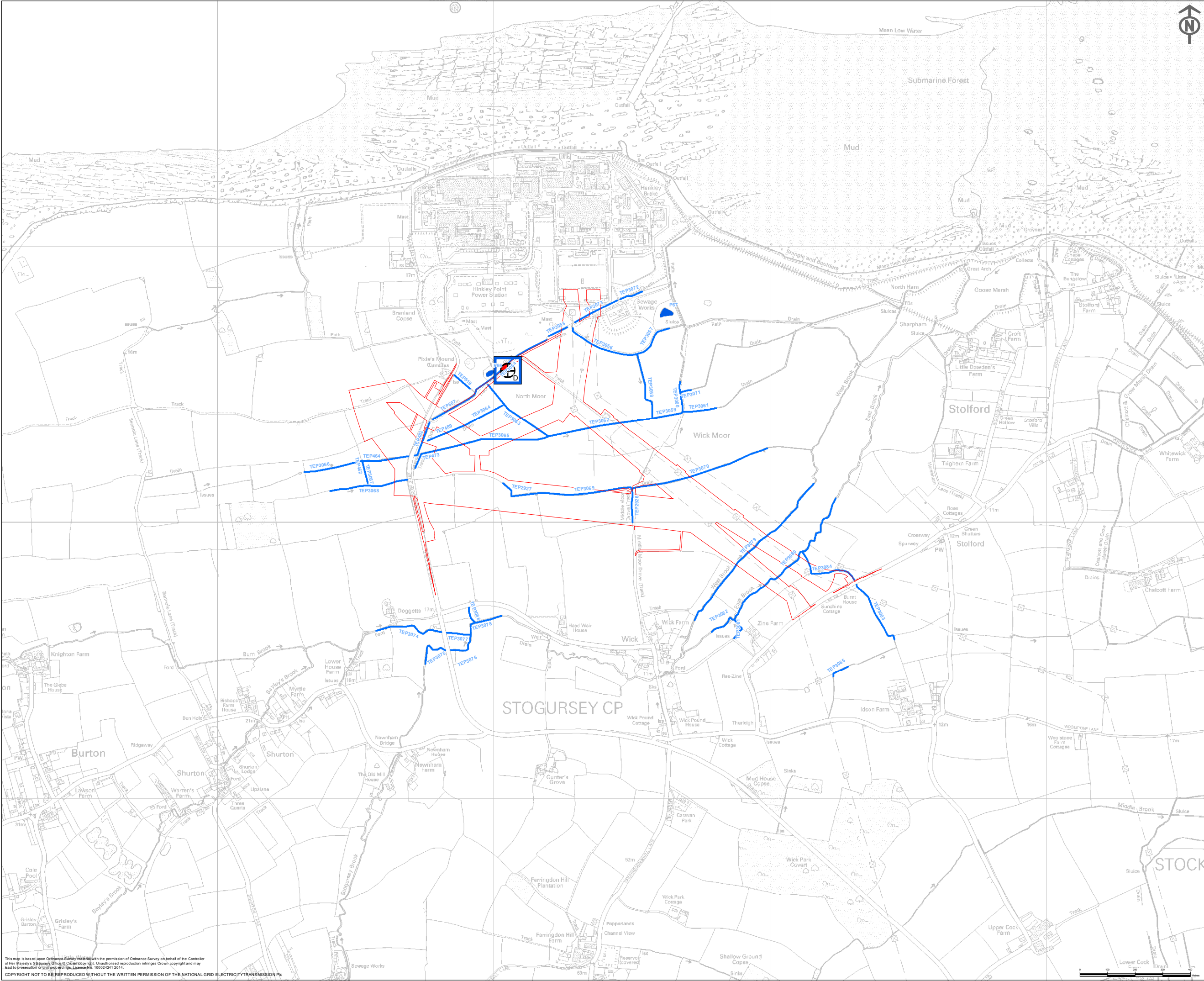
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AMPHIBIAN DESK STUDY AND SURVEY DATA
INSET 21

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NG INVESTMENT No.	APPLICATION No.	GIS	
20897	EN020001	A3	
FIGURE No.	DRAWING No.	SCALE	
8.51.21	G1979.1839.21.C	1:12,500	
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Key

- Proposed Development**
- Order Limits**
- Amphibian Desktop and Survey Records**
- Amphibian Desktop Record Accurate to 100m**
- D Desktop Record**
- Common Frog**
- Common Toad**
- Great Crested Newt**
- Other Newt**
- Pond**
- Ditch**
- Toad Crossings**

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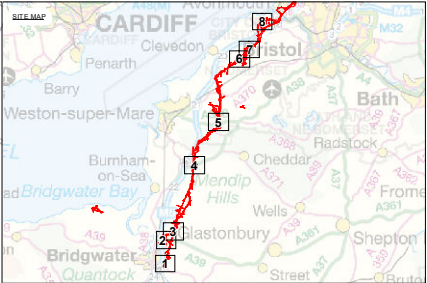
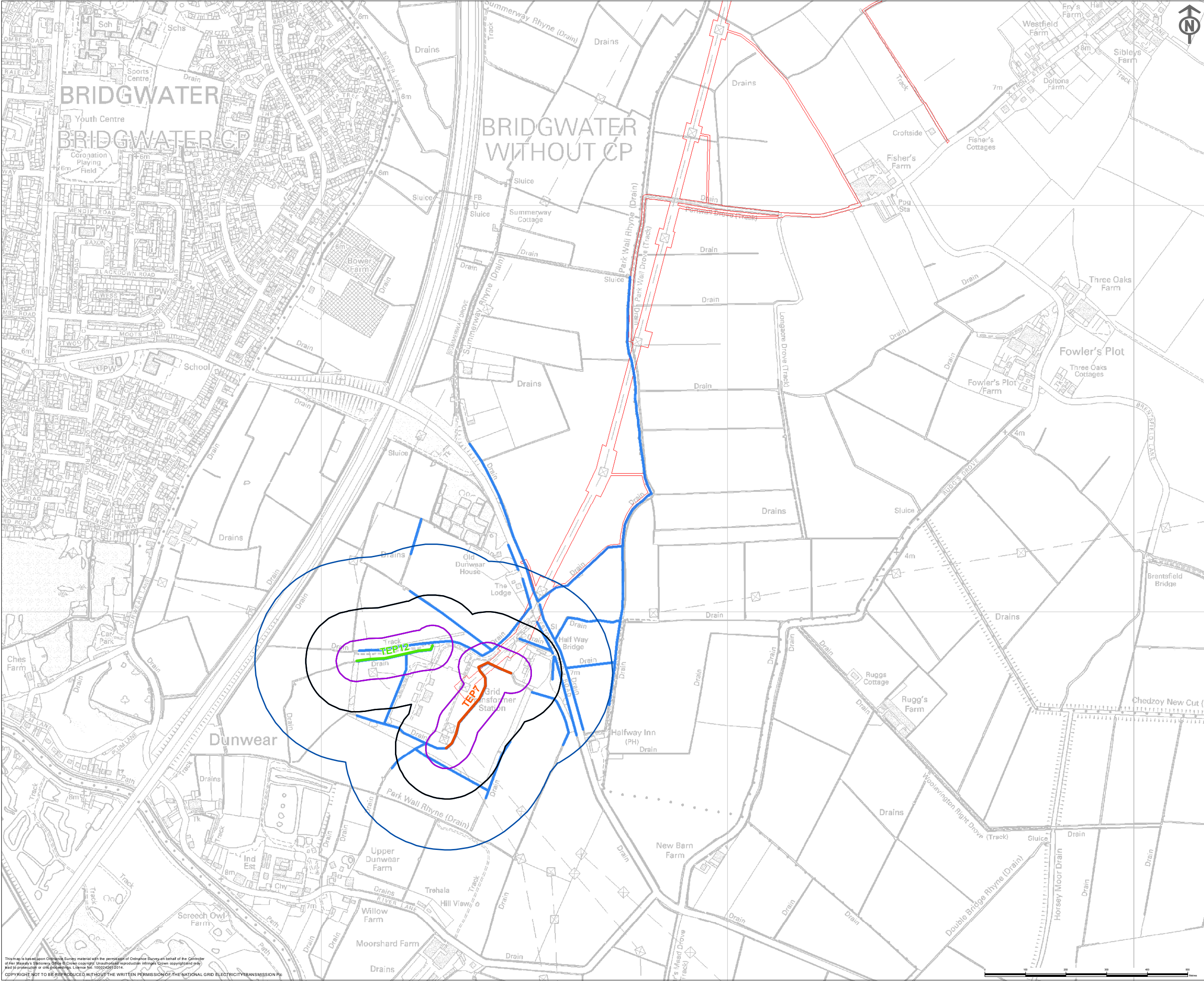
AMPHIBIAN DESK STUDY AND SURVEY DATA
INSET 24

nationalgrid		National Grid plc, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA	
NG INVESTMENT No.	APPLICATION No.	GIS	
20897	EN020001	A3	
FIGURE No.	DRAWING No.	SCALE	
8.51.24	G1979.1839.24.C	1:12,500	
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Figure 8.52 – GCN Population Survey Results



- Key**
- Proposed Development
 - Order Limits
 - Great Crested Newt Buffers
 - 50m Buffer
 - Great Crested Newt 125m Metapopulation Buffer
 - 250m Buffer
 - Great Crested Newt Metapopulation Size
 - Medium Metapopulation
 - Small Metapopulation
 - Ditches
 - Ditches or Ponds Within 250m of Great Crested Newt Metapopulation
 - Ditch Within 250m of GCN Metapopulation

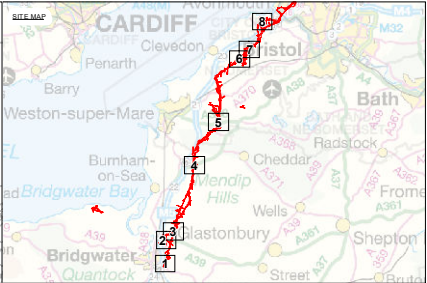
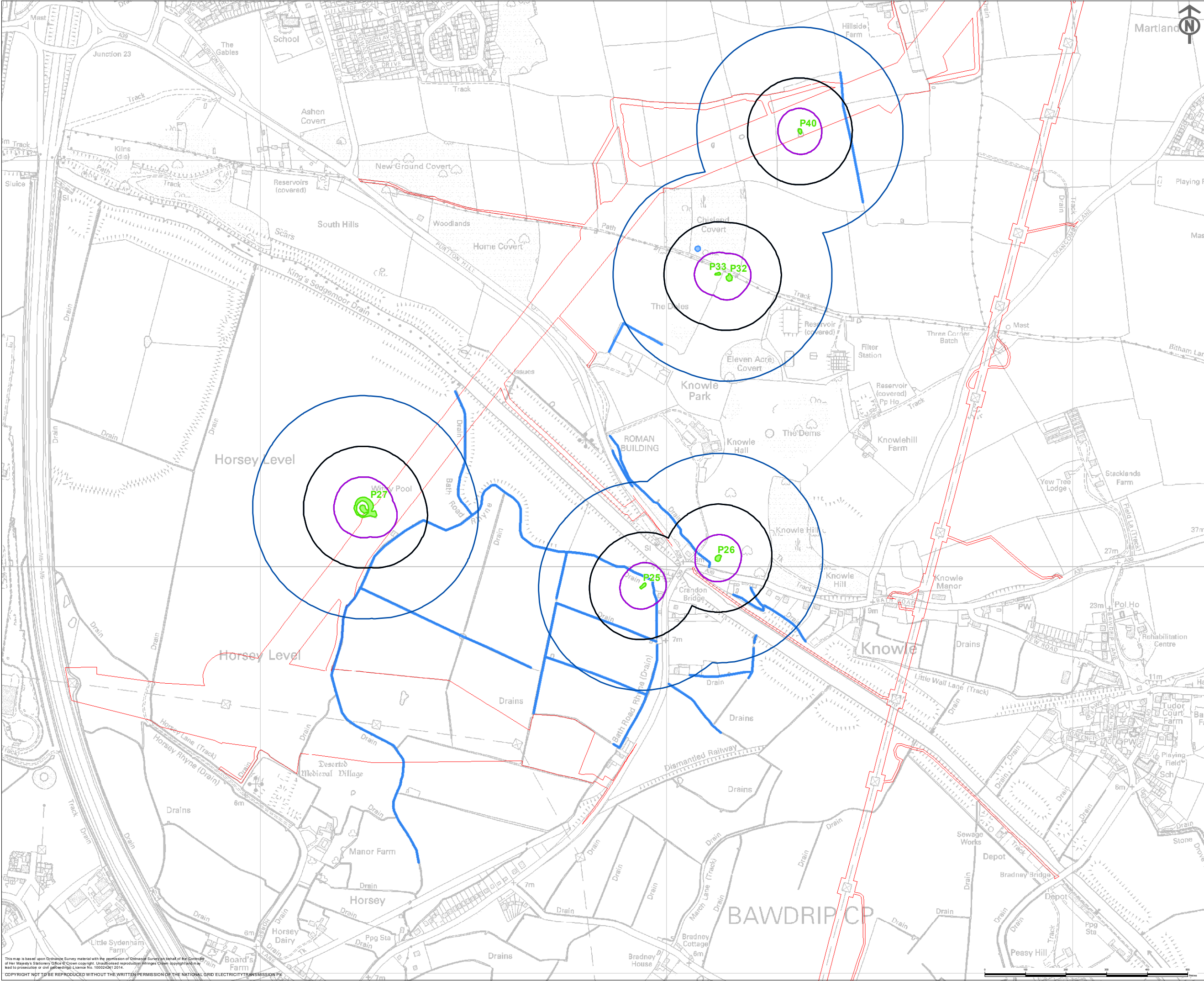
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GREAT CRESTED NEWT
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INSET 1

nationalgrid		National Grid plc, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA	
NG INVESTMENT No.	APPLICATION No.	GIS	
20897	EN020001	A3	
FIGURE No.	DRAWING No.	SCALE	
8.52.1	G1979.2083.1.B	1:8,500	
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Key

Proposed Development

- Order Limits

Great Crested Newt Buffers

- 50m Buffer
- Great Crested Newt 125m Metapopulation Buffer
- 250m Buffer

Great Crested Newt Metapopulation Size

Ponds

- Small Metapopulation

Ditches or Ponds Within 250m of Great Crested Newt Metapopulation

- Pond Within 250m of Great Crested Newt Metapopulation

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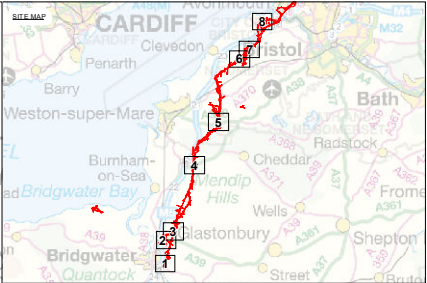
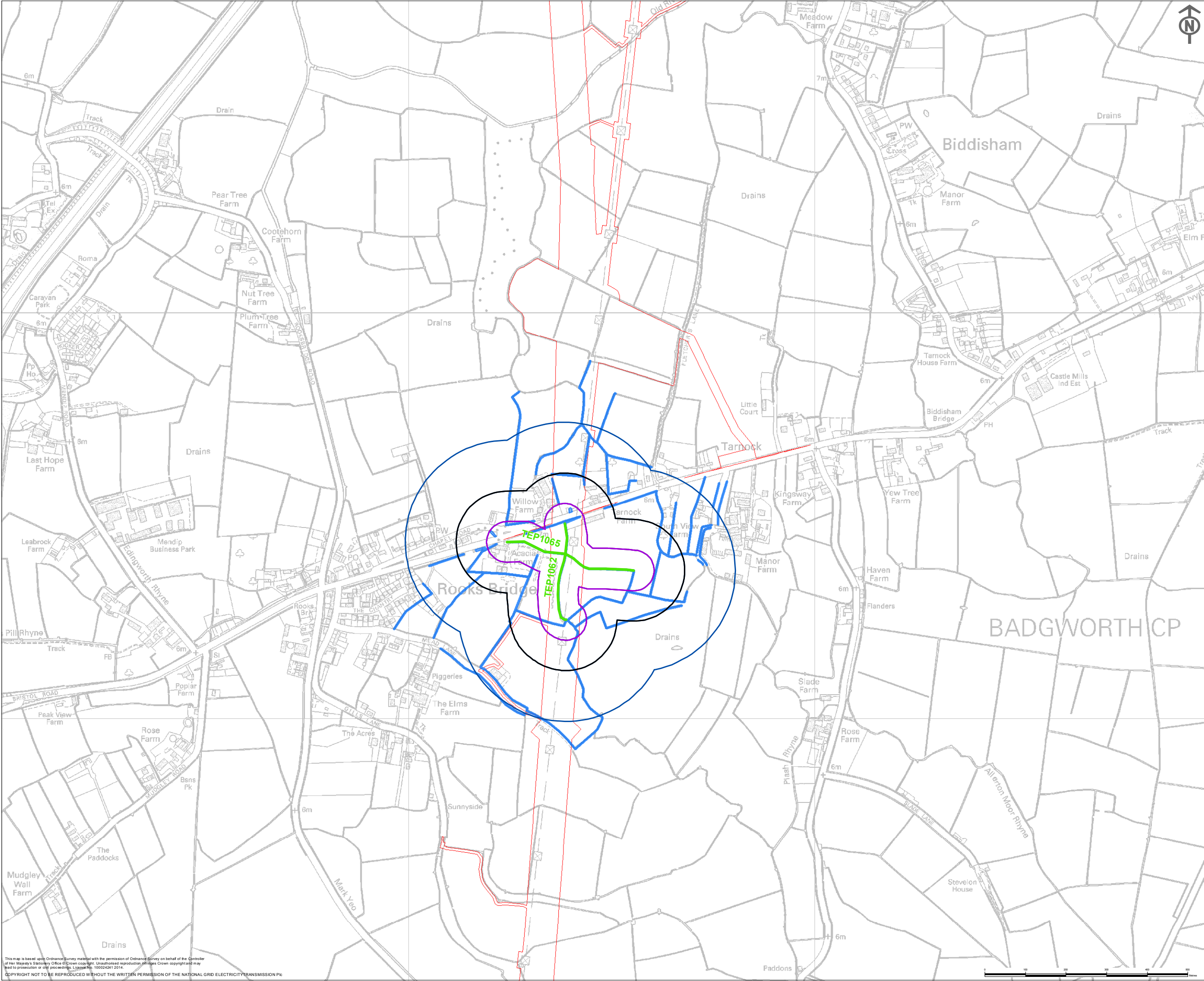
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GREAT CRESTED NEWT
POPULATION SURVEY RESULTS
INSET 2

nationalgrid	
National Grid plc, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA	
NG INVESTMENT No.	APPLICATION No.
20897	EN020001
FIGURE No.	DRAWING No.
8.52.2	G1979.2083.2.B
SHEET 2 of 8	
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- Key**
- Proposed Development**
 - Order Limits
 - Great Crested Newt Buffers**
 - 50m Buffer
 - Great Crested Newt 125m Metapopulation Buffer
 - 250m Buffer
 - Great Crested Newt Metapopulation Size**
 - Small Metapopulation
 - Ditches or Ponds Within 250m of Great Crested Newt Metapopulation**
 - Pond Within 250m of Great Crested Newt Metapopulation
 - Ditch Within 250m of GCN Metapopulation

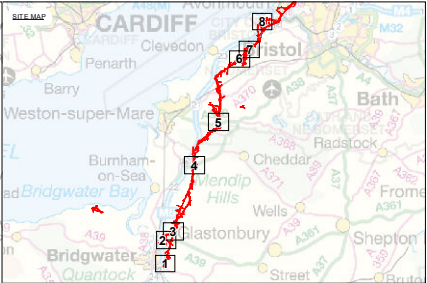
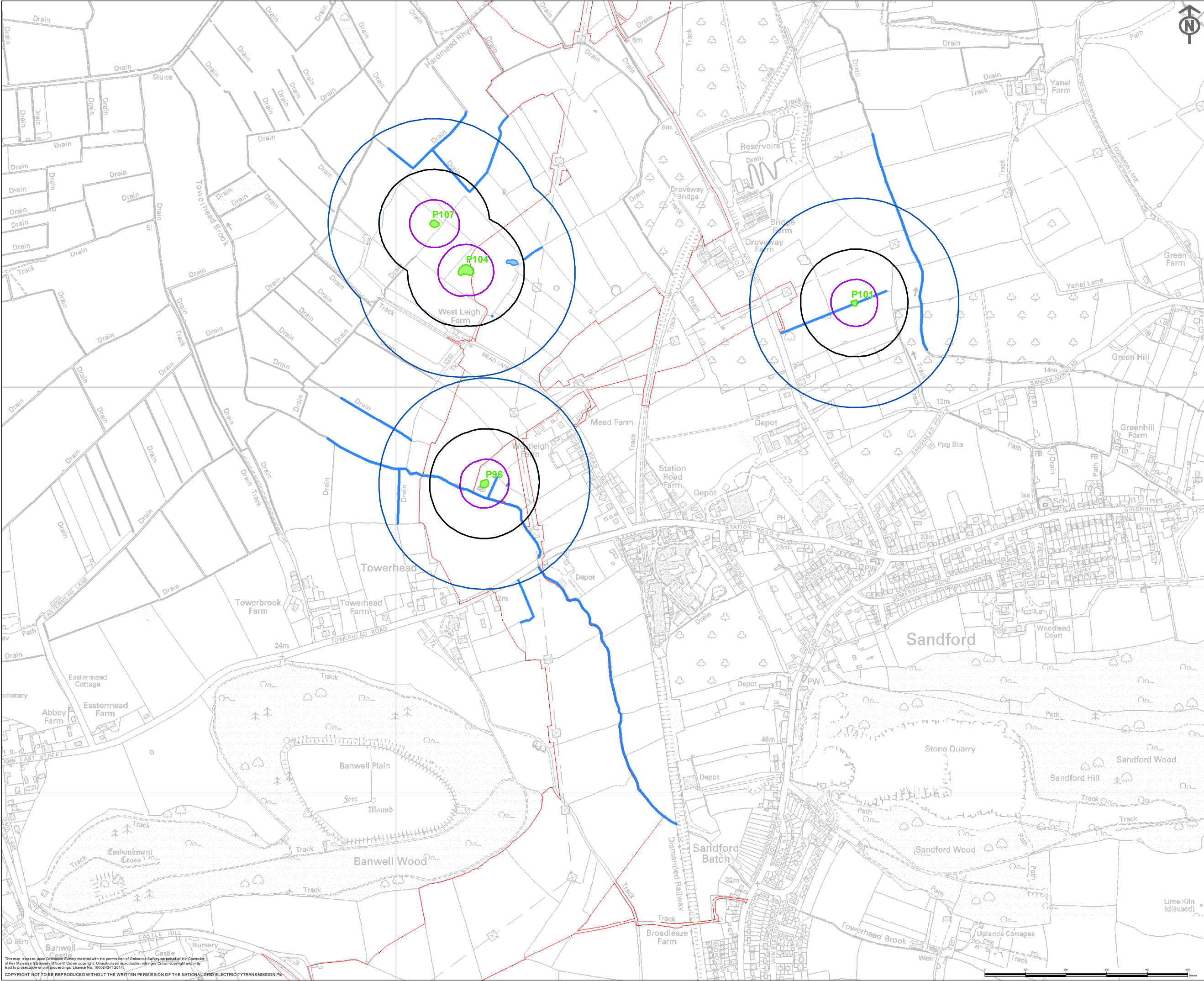
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GREAT CRESTED NEWT POPULATION SURVEY RESULTS
INSET 4

nationalgrid National Grid plc, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA		
NG INVESTMENT No.	APPLICATION No.	GIS A3
20897	EN020001	
FIGURE No.	DRAWING No.	SCALE
8.52.4	G1979.2083.4.B	1:8,500
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- Key**
- Proposed Development**
 - Order Limits
 - Great Crested Newt Buffers**
 - 50m Buffer
 - Great Crested Newt 125m Metapopulation Buffer
 - 250m Buffer
 - Great Crested Newt Metapopulation Size**
 - Ponds**
 - Small Metapopulation
 - Ditches or Ponds Within 250m of Great Crested Newt Metapopulation**
 - Pond Within 250m of Great Crested Newt Metapopulation

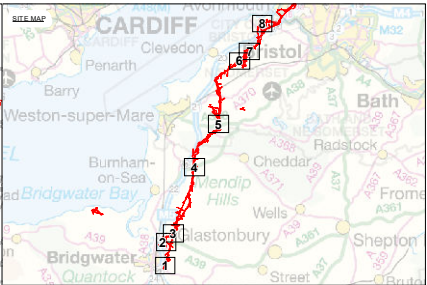
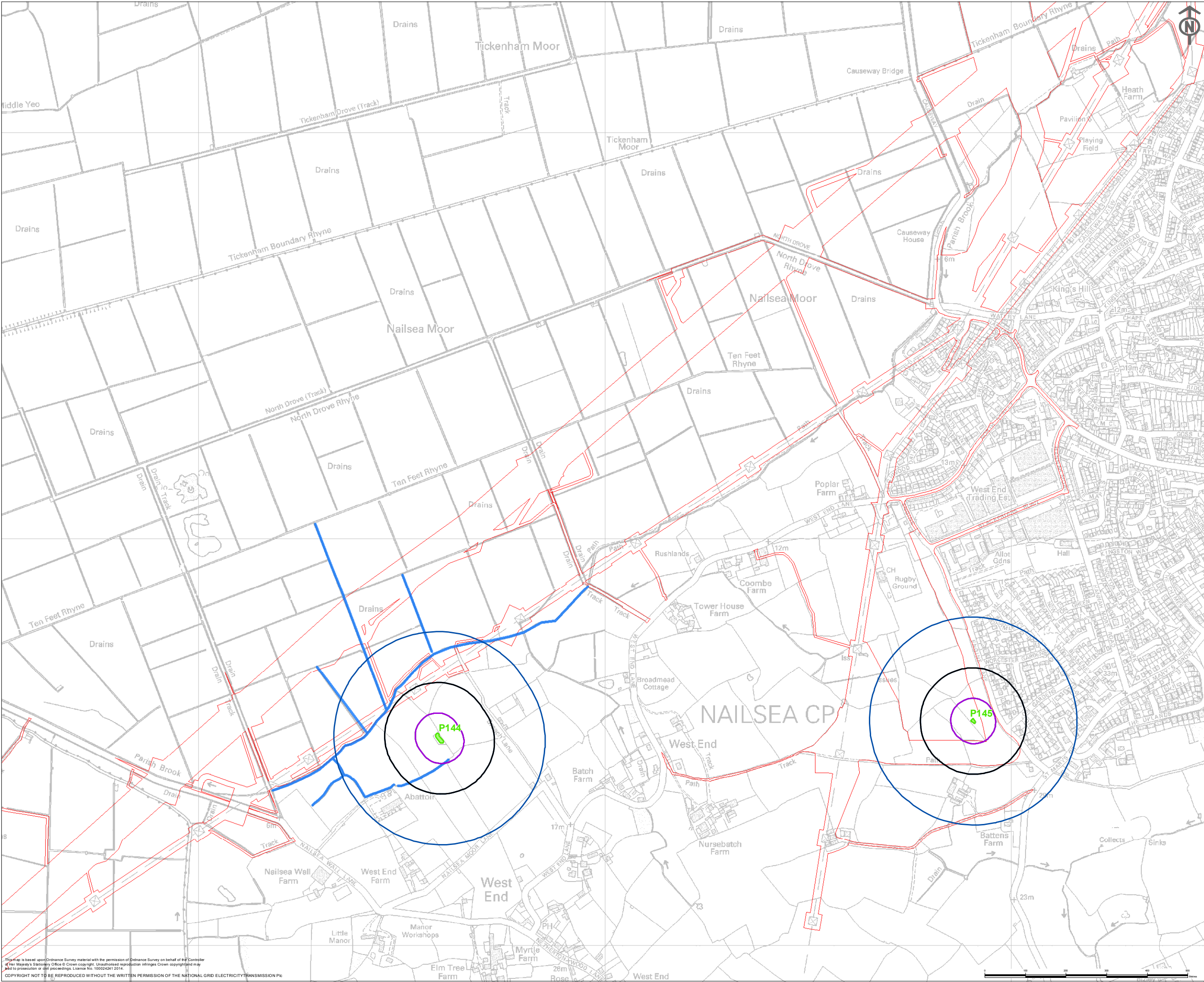
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GREAT CRESTED NEWT POPULATION SURVEY RESULTS
INSET 5

nationalgrid		
National Grid plc, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA		
NG INVESTMENT No.	APPLICATION No.	GIS
20897	EN020001	A3
FIGURE No.	DRAWING No.	SCALE
8.52.5	G1979.2083.5.B	1:8,500
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- Key**
- Proposed Development**
 - Order Limits
 - Great Crested Newt Buffers**
 - 50m Buffer
 - Great Crested Newt 125m Metapopulation Buffer
 - 250m Buffer
 - Great Crested Newt Metapopulation Size**
 - Ponds**
 - Small Metapopulation
 - Ditches or Ponds Within 250m of Great Crested Newt Metapopulation**

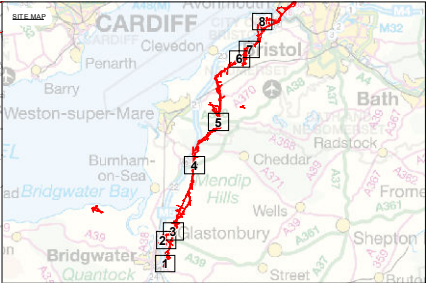
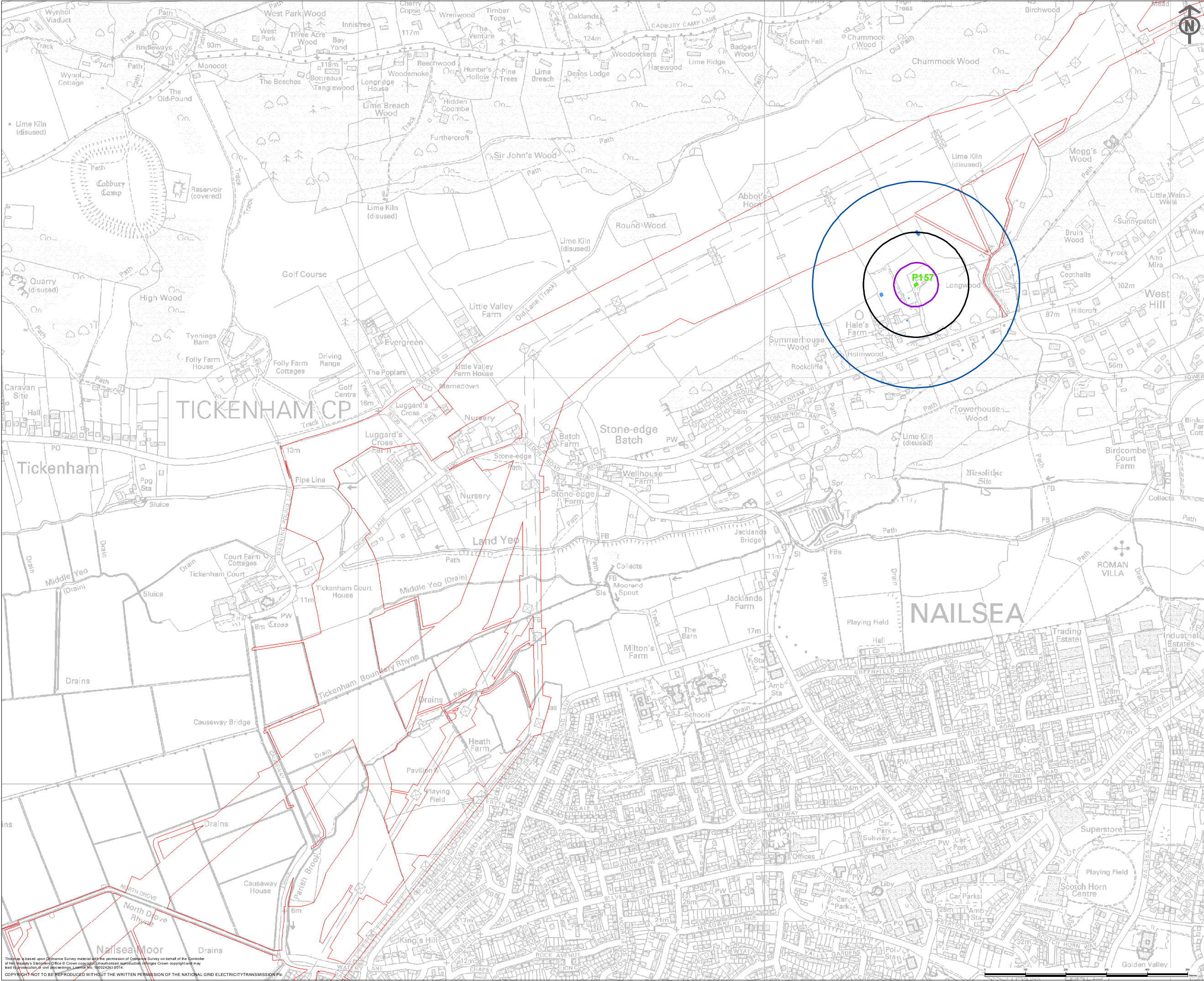
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INSET 6

nationalgrid		
National Grid plc, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA		
NG INVESTMENT No.	APPLICATION No.	GIS
20897	EN020001	A3
FIGURE No.	DRAWING No.	SCALE
8.52.6	G1979.2083.6.B	1:8,500
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Key

Proposed Development

- Order Limits

Great Crested Newt Buffers

- 50m Buffer
- Great Crested Newt 125m Metapopulation Buffer
- 250m Buffer

Great Crested Newt Metapopulation Size

Ponds

- Small Metapopulation

Ditches or Ponds Within 250m of Great Crested Newt Metapopulation

- Pond Within 250m of Great Crested Newt Metapopulation

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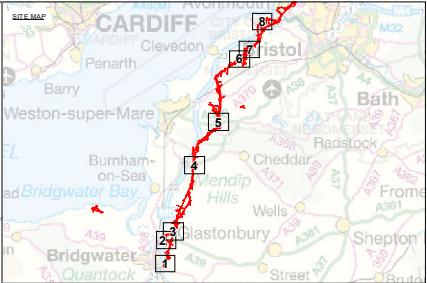
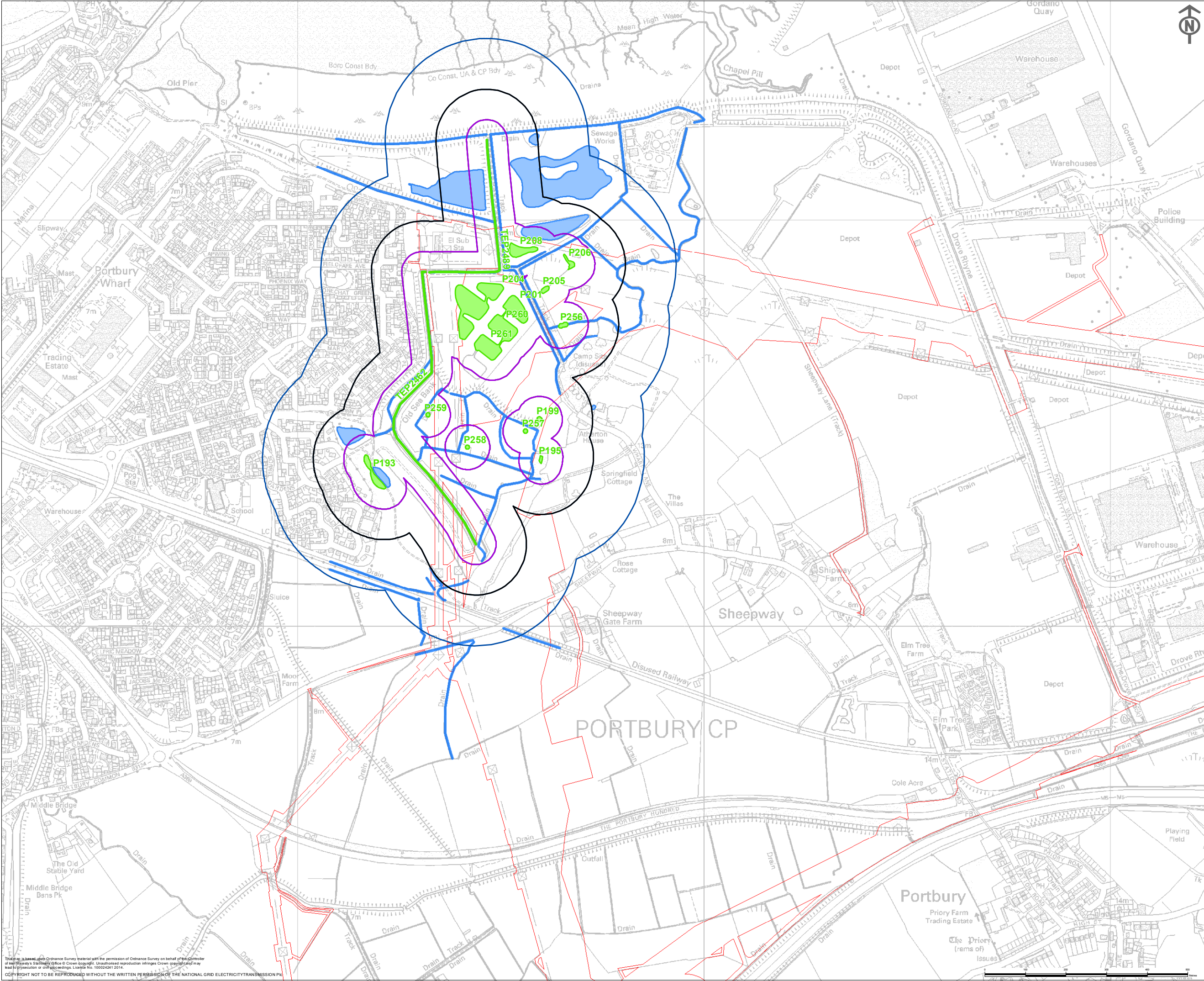
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GREAT CRESTED NEWT POPULATION SURVEY RESULTS

INSET 7

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20897	EN020001	A3
FIGURE No.	DRAWING No.	SCALE
8.52.7	G1979.2083.7.B	1:8,500
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- Key**
- Proposed Development**
 - Order Limits
 - Great Crested Newt Buffers**
 - 50m Buffer
 - Great Crested Newt 125m Metapopulation Buffer
 - 250m Buffer
 - Great Crested Newt Metapopulation Size**
 - Ponds**
 - Small Metapopulation
 - Ditches**
 - Small Metapopulation
 - Ditches or Ponds Within 250m of Great Crested Newt Metapopulation**
 - Pond Within 250m of Great Crested Newt Metapopulation
 - Ditch Within 250m of GCN Metapopulation

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GREAT CRESTED NEWT POPULATION SURVEY RESULTS
INSET 8

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20897	EN020001	A3	
FIGURE No.	DRAWING No.	SCALE	
8.52.8	G1979.2083.8.B	1:8,500	
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