

A46 Newark Bypass

TR010065/APP/6.3

6.3 Environmental Statement

Appendix 8.1 Extended Phase 1 Habitat Technical Report

Part 2

APFP Regulation 5(2)(a)

Planning Act 2008

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

Volume 6

April 2024

Infrastructure Planning

Planning Act 2008

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

A46 Newark Bypass

Development Consent Order 202[x]

ENVIRONMENTAL STATEMENT

APPENDIX 8.1 EXTENDED PHASE 1 HABITAT TECHNICAL REPORT

PART 2

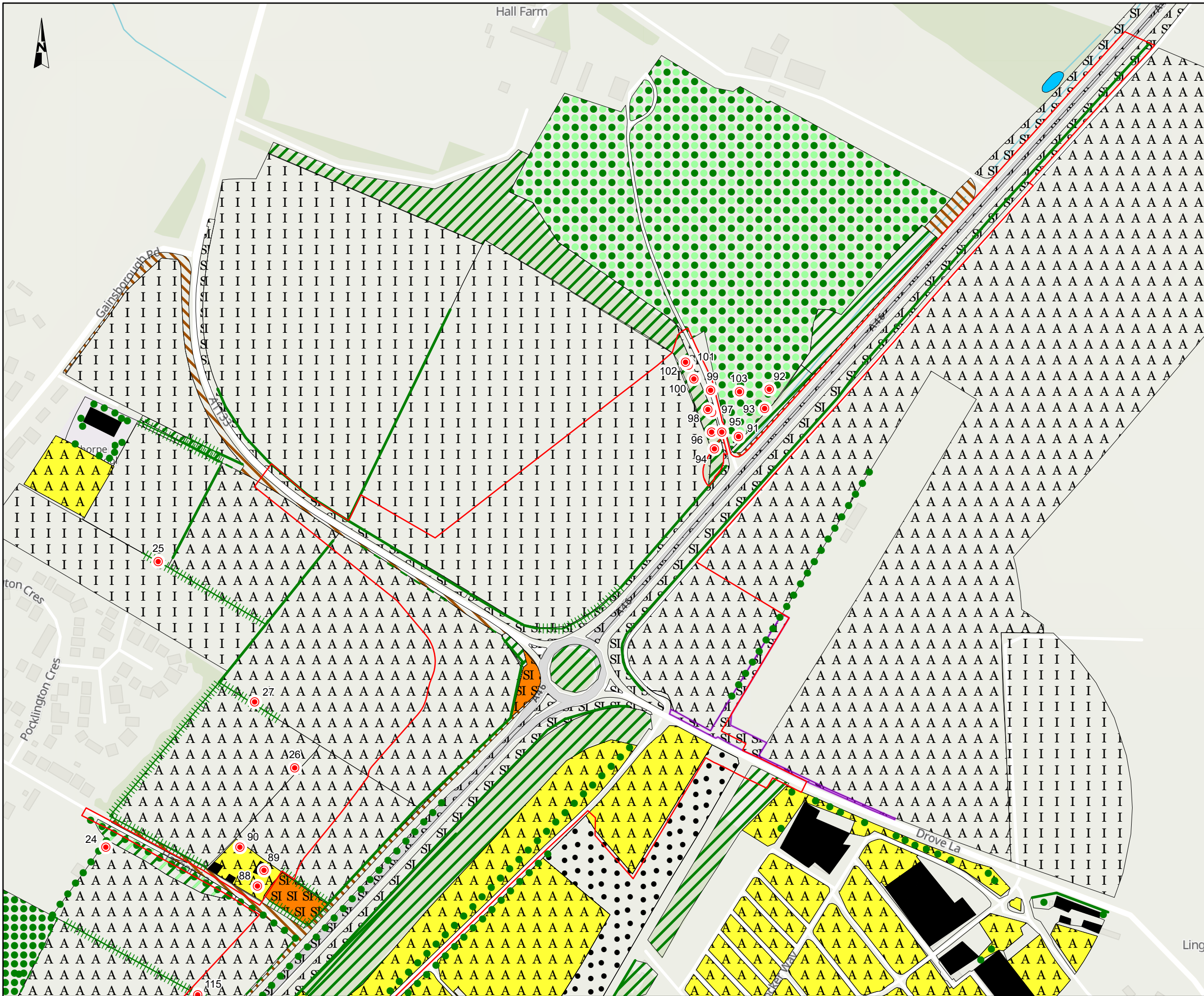
Regulation Number:	Regulation 5(2)(a)
Planning Inspectorate Scheme Reference	TR010065
Application Document Reference	TR010065/APP/6.3
Author:	A46 Newark Bypass Project Team, National Highways

Version	Date	Status of Version
Rev 1	April 2024	DCO Application

Contents

E. Appendix: Phase 1 Habitat survey maps	215
F. Appendix: Local wildlife sites within 2 kilometres	232
G. Appendix: Habitats of Principal Importance (HPI)	234

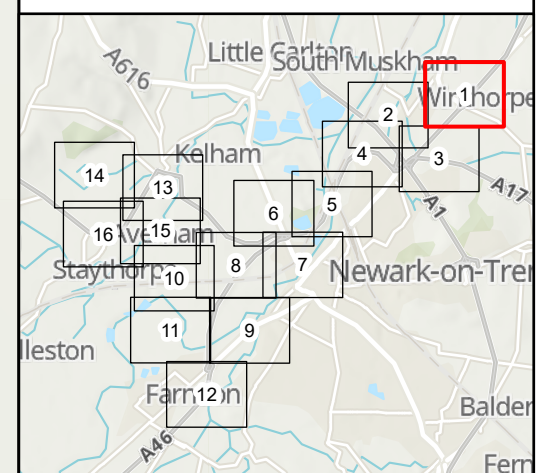
E. Appendix: Phase 1 Habitat survey maps



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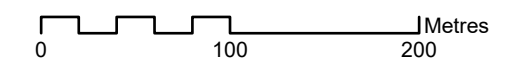
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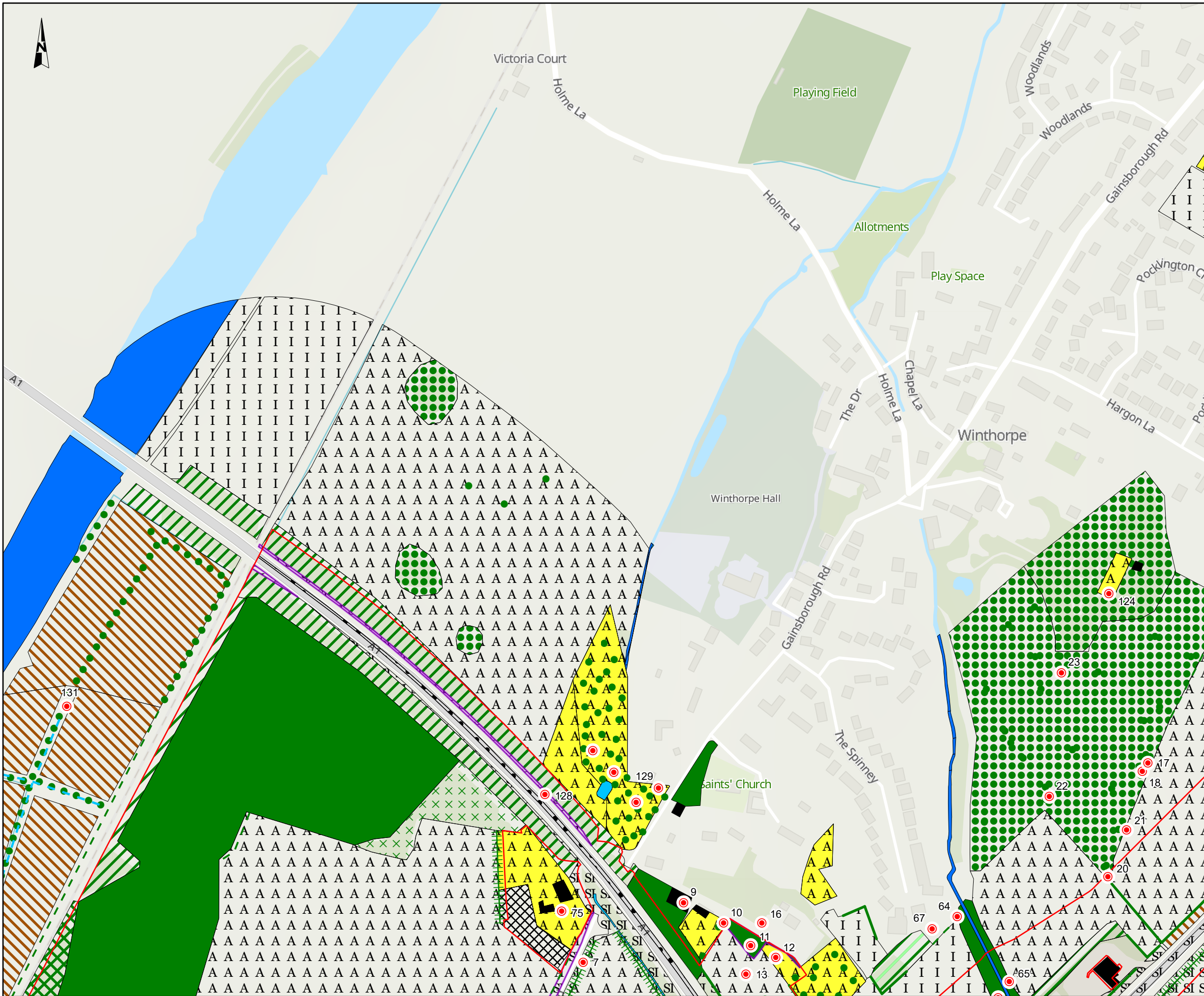
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[Green circle]	A3.1 - Broadleaved parkland/scattered trees	[I box]	B4 - Improved grassland	
[Green dots]	A3.1 - Broadleaved parkland/scattered trees	[SI box]	B6 - Poor semi-improved grassland	
[Green line]	J2.1.2 - Intact hedge - species-poor	[Diagonal lines]	C3.1 - Other tall herb and fern - ruderal	
[Green dashed line]	J2.2.2 - Defunct hedge - species-poor	[Blue box]	G1 - Standing water	
[Green hatched]	J2.3.2 - Hedge with trees - species-poor	[A box]	J1.1 - Cultivated/disturbed land - arable	
[Green diagonal lines]	A1.1.2 - Broadleaved woodland - plantation	[A box]	J1.2 - Cultivated/disturbed land - amenity grassland	
[Green diagonal lines]	A1.3.2 - Mixed woodland - plantation	[Black box]	J3.6 - Buildings	
[Green dots]	A3.1 - Broadleaved parkland/scattered trees	[White box]	J4 - Bare ground	
		[Purple outline]	J5 - Other habitat	
			[Purple outline]	Habitat assumed



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PROJECT TITLE					
A46 NEWARK BYPASS					
DRAWING TITLE					
Appendix E					
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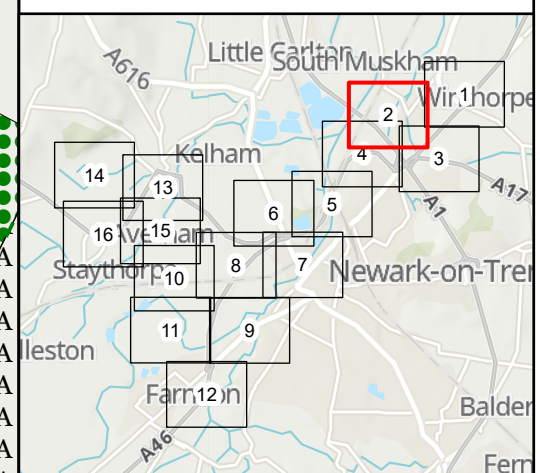




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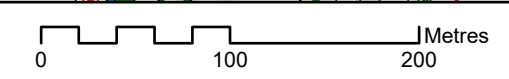
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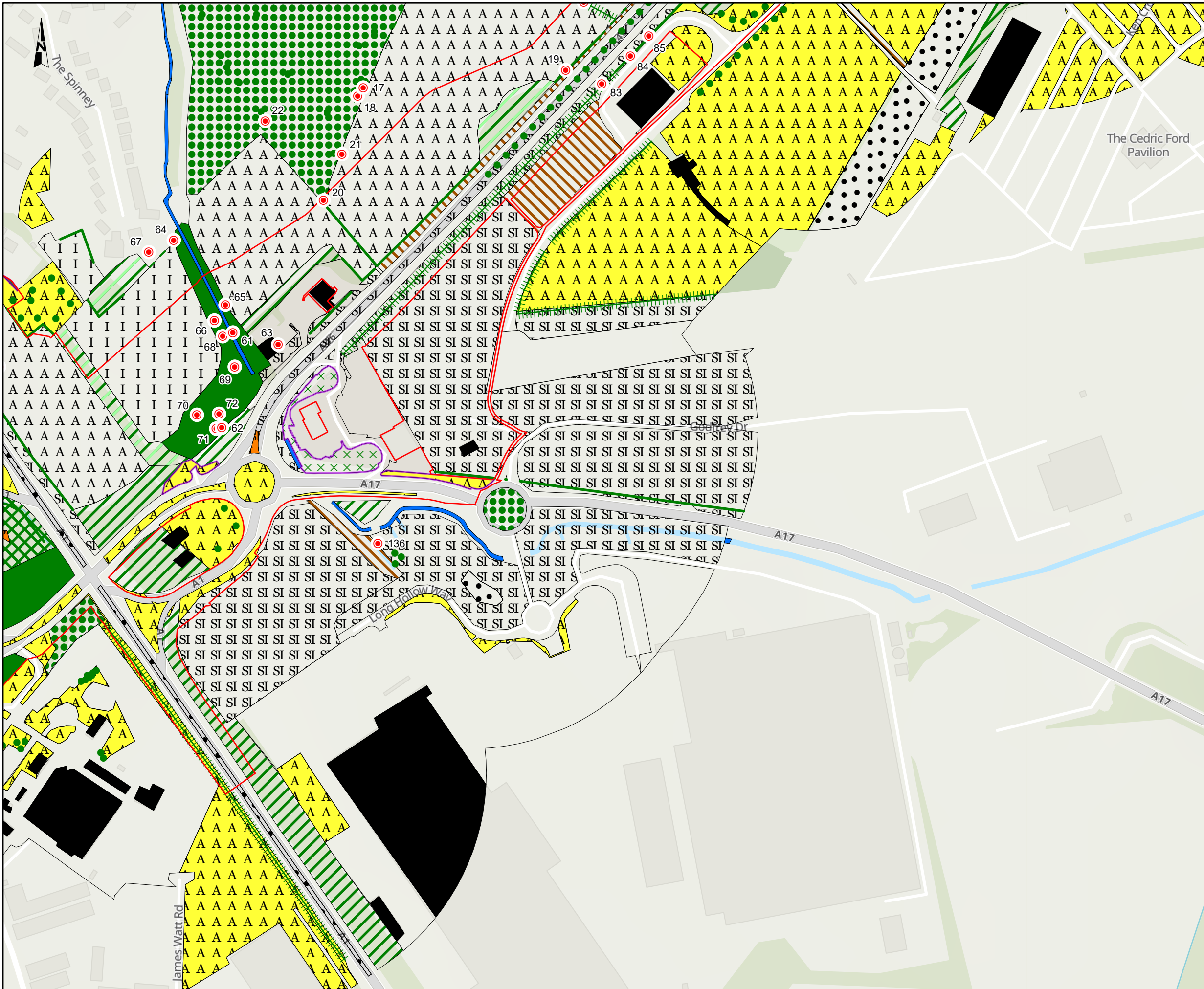
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[Green circle]	A3.1 - Broadleaved parkland/scattered trees	[Brown I pattern]	B4 - Improved grassland
[Green circle]	A3.1 - Broadleaved parkland/scattered trees	[SI symbol]	B6 - Poor semi-improved grassland
[Green line]	J2.1.2 - Intact hedge - species-poor	[Brown diagonal lines]	C3.1 - Other tall herb and fern - ruderal
[Green dashed line]	J2.2.2 - Defunct hedge - species-poor	[Blue box]	G1 - Standing water
[Green H pattern]	J2.3.2 - Hedge with trees - species-poor	[Blue box]	G2 - Running water
[Blue dashed line]	J2.6 - Dry ditch	[A symbol]	J1.1 - Cultivated/disturbed land - arable
[Green solid block]	A1.1.1 - Broadleaved woodland - semi-natural	[A symbol]	J1.2 - Cultivated/disturbed land - amenity grassland
[Green diagonal lines]	A1.1.2 - Broadleaved woodland - plantation	[X pattern]	J3.4 - Caravan site
[Green diagonal lines]	A1.3.2 - Mixed woodland - plantation	[Black box]	J3.6 - Buildings
[Green X pattern]	A2.1 - Scrub - dense/continuous	[White box]	J4 - Bare ground
		[White box]	J5 - Other habitat
		[Purple outline]	Habitat assumed



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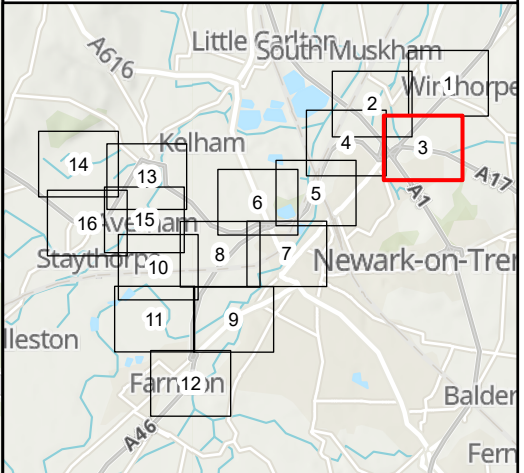




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KEY TO SYMBOLS

Order Limits	A2.2 - Scrub - scattered
Target Note	A3.1 - Broadleaved parkland/scattered trees
A3.1 - Broadleaved parkland/scattered trees	B2.2 - Neutral grassland - semi-improved
A3.1 - Broadleaved parkland/scattered trees	B4 - Improved grassland
J2.1.2 - Intact hedge - species-poor	B6 - Poor semi-improved grassland
J2.2.2 - Defunct hedge - species-poor	C3.1 - Other tall herb and fern - ruderal
J2.3.2 - Hedge with trees - species-poor	G2 - Running water
A1.1.1 - Broadleaved woodland - semi-natural	J1.1 - Cultivated/disturbed land - arable
A1.1.2 - Broadleaved woodland - plantation	J1.2 - Cultivated/disturbed land - amenity grassland
A1.3.2 - Mixed woodland - plantation	J3.6 - Buildings
A2.1 - Scrub - dense/continuous	J4 - Bare ground
	J5 - Other habitat
	Habitat assumed



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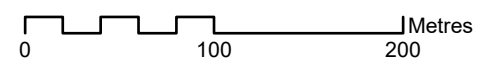
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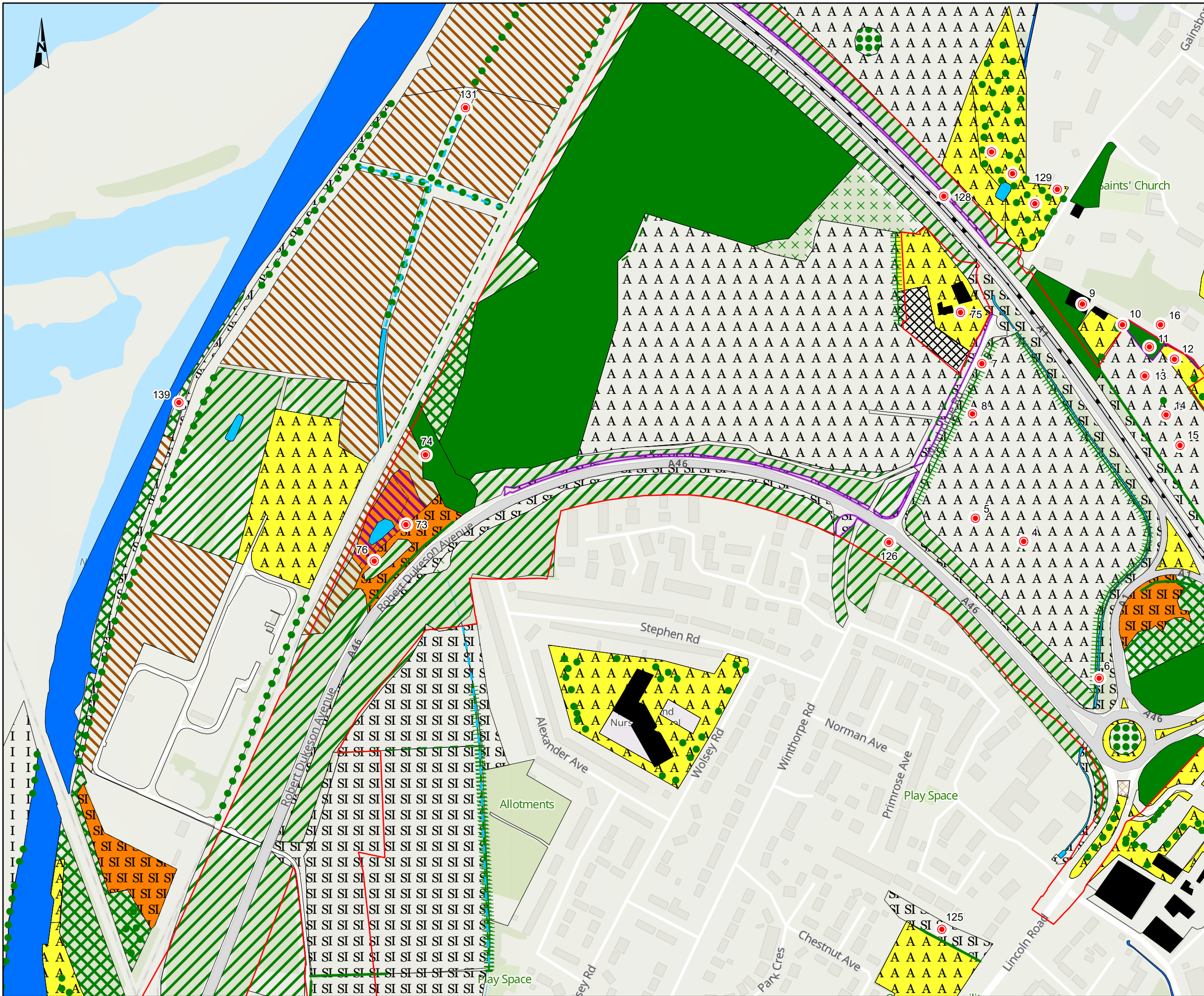
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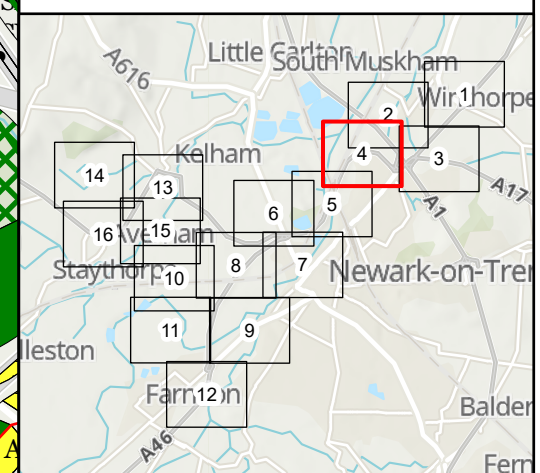




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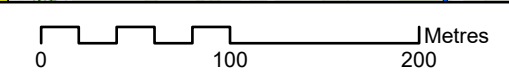
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[Red circle]	Target Note	[I symbol]	B4 - Improved grassland
[Green circle]	A3.1 - Broadleaved parkland/scattered trees	[Hatched symbol]	B5 - Marsh/marshy grassland
[Green circle]	A3.1 - Broadleaved parkland/scattered trees	[SI symbol]	B6 - Poor semi-improved grassland
[Green line]	J2.1.2 - Intact hedge - species-poor	[Hatched symbol]	C3.1 - Other tall herb and fern - ruderal
[Green dashed line]	J2.2.2 - Defunct hedge - species-poor	[Blue symbol]	G1 - Standing water
[Green hatched]	J2.3.2 - Hedge with trees - species-poor	[Blue symbol]	G2 - Running water
[Blue dashed line]	J2.6 - Dry ditch	[A symbol]	J1.1 - Cultivated/disturbed land - arable
[Green solid]	A1.1.1 - Broadleaved woodland - semi-natural	[A symbol]	J1.2 - Cultivated/disturbed land - amenity grassland
[Green diagonal lines]	A1.1.2 - Broadleaved woodland - plantation	[Hatched symbol]	J1.4 - Introduced shrub
[Green cross-hatch]	A2.1 - Scrub - dense/continuous	[Black hatched]	J3.4 - Caravan site
[Green cross-hatch]	A2.2 - Scrub - scattered	[Black solid]	J3.6 - Buildings
[Green circle]	A3.1 - Broadleaved parkland/scattered trees	[White solid]	J4 - Bare ground
[Green circle]	A3.1 - Broadleaved parkland/scattered trees	[White solid]	J5 - Other habitat
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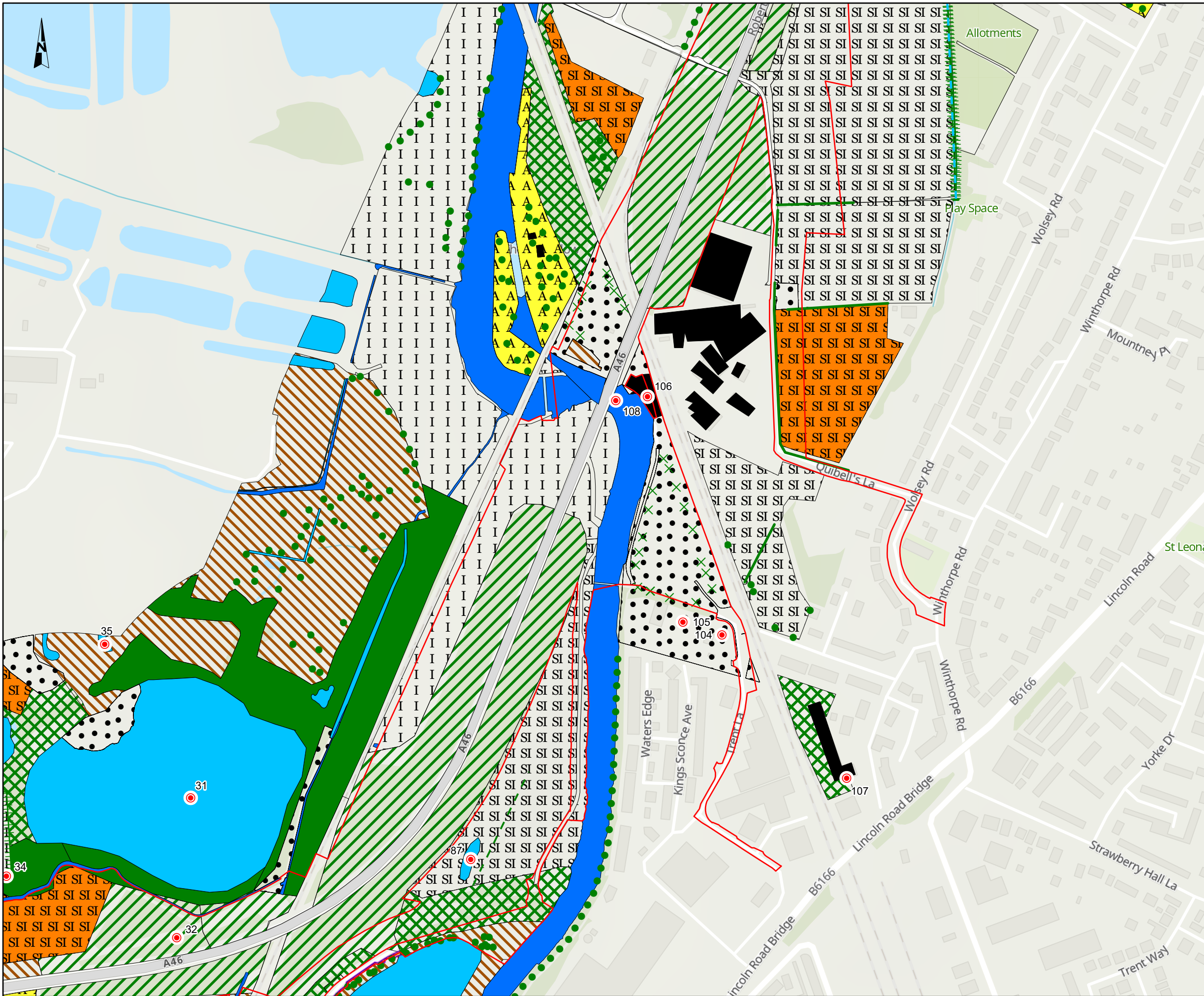


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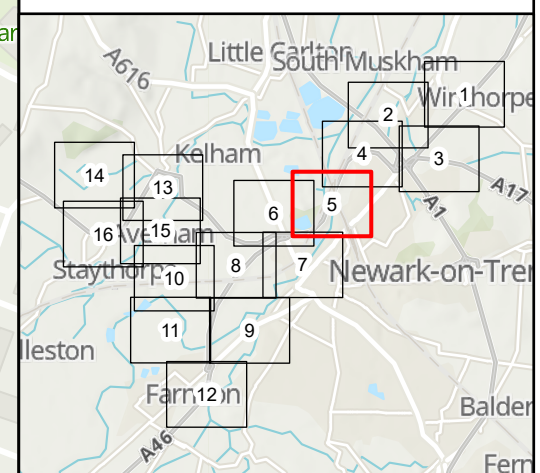
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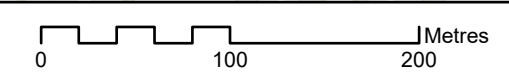
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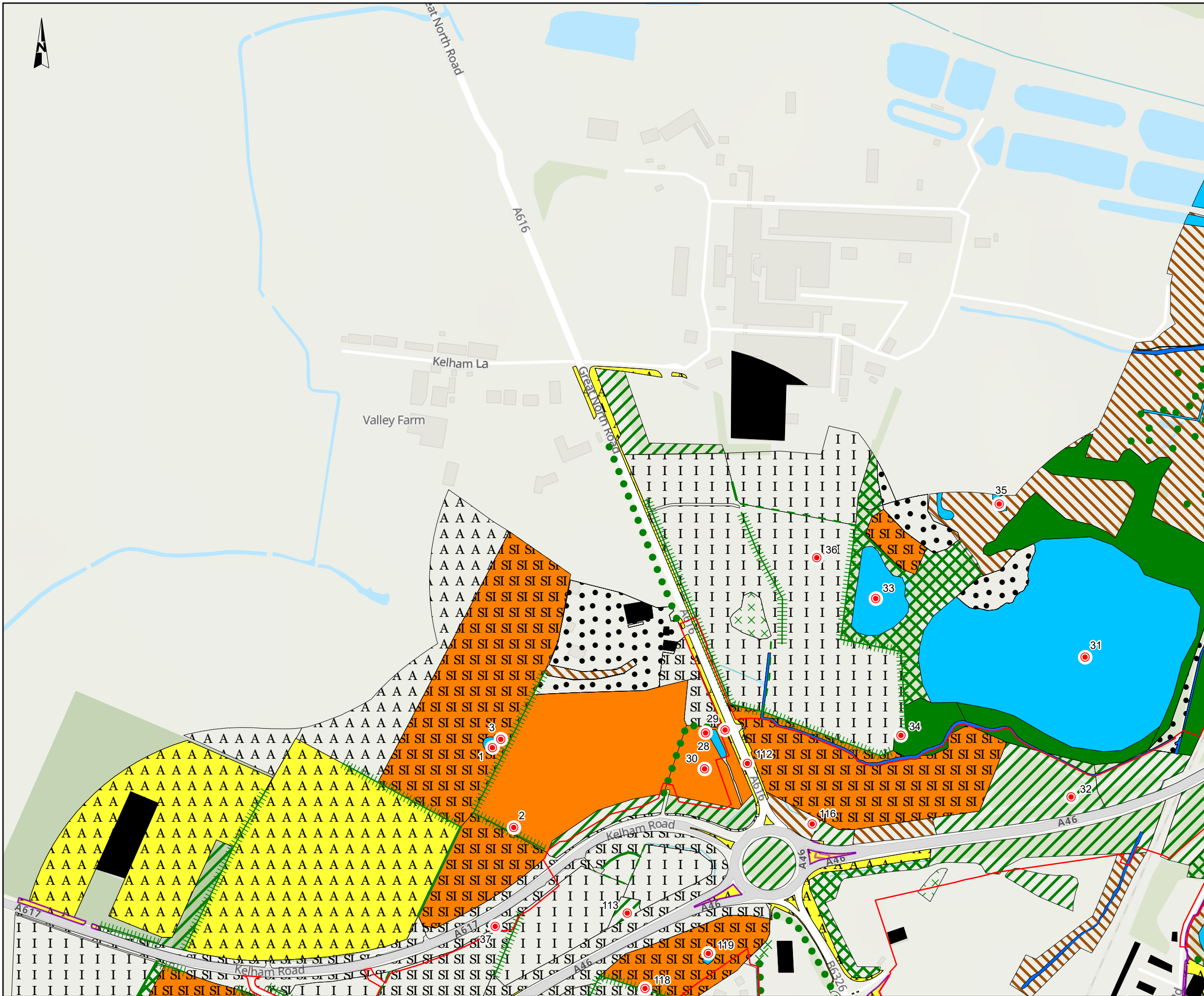
[Red outline]	Order Limits	[Green diagonal lines]	A1.1.2 - Broadleaved woodland - plantation
[Red circle]	Target Note	[Green cross-hatch]	A2.1 - Scrub - dense/continuous
[Green X]	A2.2 - Scrub - scattered	[Orange box with SI]	B2.2 - Neutral grassland - semi-improved
[Green dot]	A3.1 - Broadleaved parkland/scattered trees	[White box with I]	B4 - Improved grassland
[Green dot]	A3.1 - Broadleaved parkland/scattered trees	[White box with SI]	B6 - Poor semi-improved grassland
[Blue line]	G1 - Standing open water	[Brown diagonal lines]	C3.1 - Other tall herb and fern - ruderal
[Green line]	J2.1.2 - Intact hedge - species-poor	[Blue box]	G1 - Standing water
[Dashed green line]	J2.2.2 - Defunct hedge - species-poor	[Blue box]	G2 - Running water
[Green line with vertical bars]	J2.3.2 - Hedge with trees - species-poor	[Yellow box with A]	J1.2 - Cultivated/disturbed land - amenity grassland
[Blue dashed line]	J2.6 - Dry ditch	[Black box]	J3.6 - Buildings
[Green box]	A1.1.1 - Broadleaved woodland - semi-natural	[Black dot]	J4 - Bare ground
		[White box]	J5 - Other habitat
		[Purple outline]	Habitat assumed



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Phase 1 Habitat Survey					
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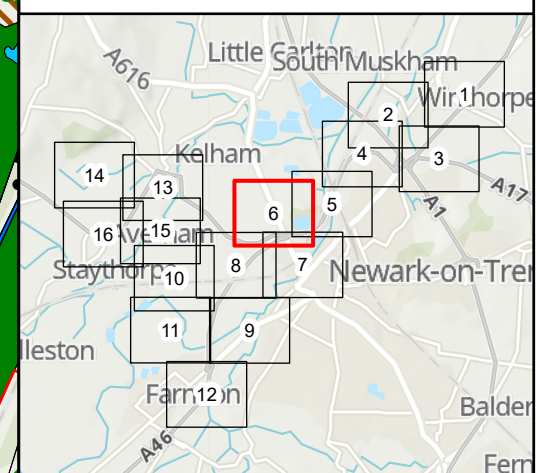




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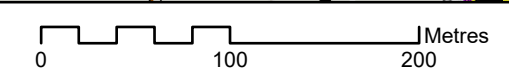
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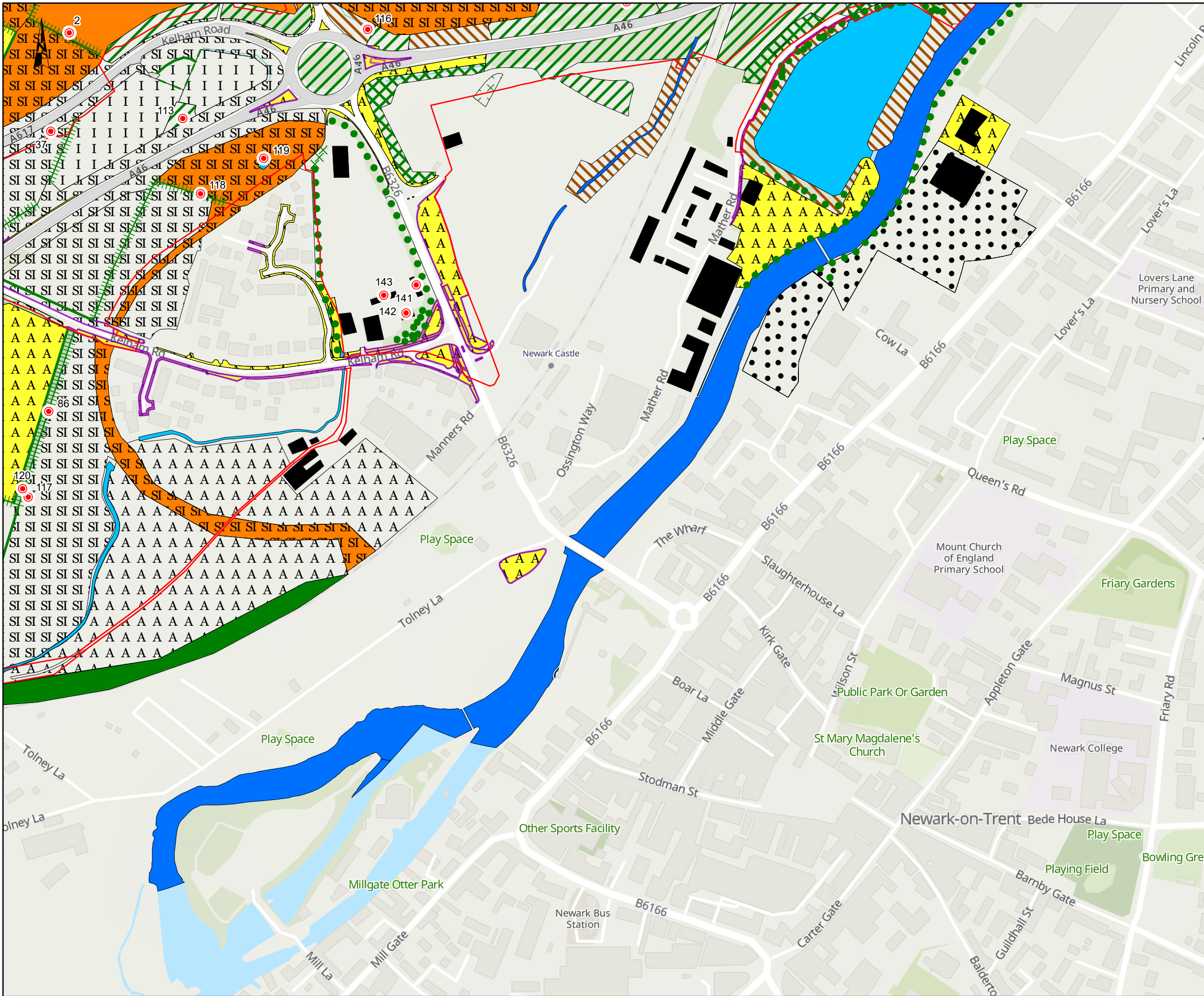
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[Red circle]	Target Note	[SI]	B2.2 - Neutral grassland - semi-improved
[Green X]	A2.2 - Scrub - scattered	[I]	B4 - Improved grassland
[Green dot]	A3.1 - Broadleaved parkland/scattered trees	[SI]	B6 - Poor semi-improved grassland
[Green dot]	A3.1 - Broadleaved parkland/scattered trees	[Diagonal lines]	C3.1 - Other tall herb and fern - ruderal
[Blue line]	G1 - Standing open water	[Blue hatched]	F2.2 - Marginal and inundation - inundation vegetation
[Green line]	J2.1.2 - Intact hedge - species-poor	[Blue]	G1 - Standing water
[Green dashed line]	J2.2.2 - Defunct hedge - species-poor	[Blue]	G2 - Running water
[Green hatched]	J2.3.2 - Hedge with trees - species-poor	[A]	J1.1 - Cultivated/disturbed land - arable
[Green solid]	A1.1.1 - Broadleaved woodland - semi-natural	[A]	J1.2 - Cultivated/disturbed land - amenity grassland
[Green hatched]	A1.1.2 - Broadleaved woodland - plantation	[Black]	J3.6 - Buildings
[Green X]	A2.1 - Scrub - dense/continuous	[White]	J4 - Bare ground
[Green dashed]	A2.2 - Scrub - scattered	[White]	J5 - Other habitat
		[Purple outline]	Habitat assumed



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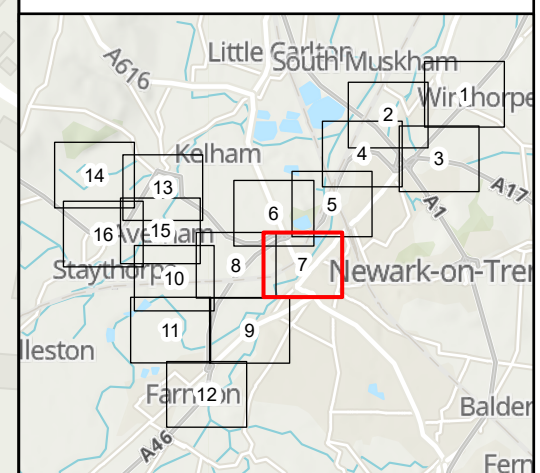




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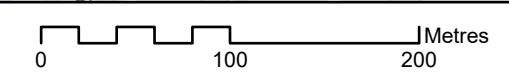
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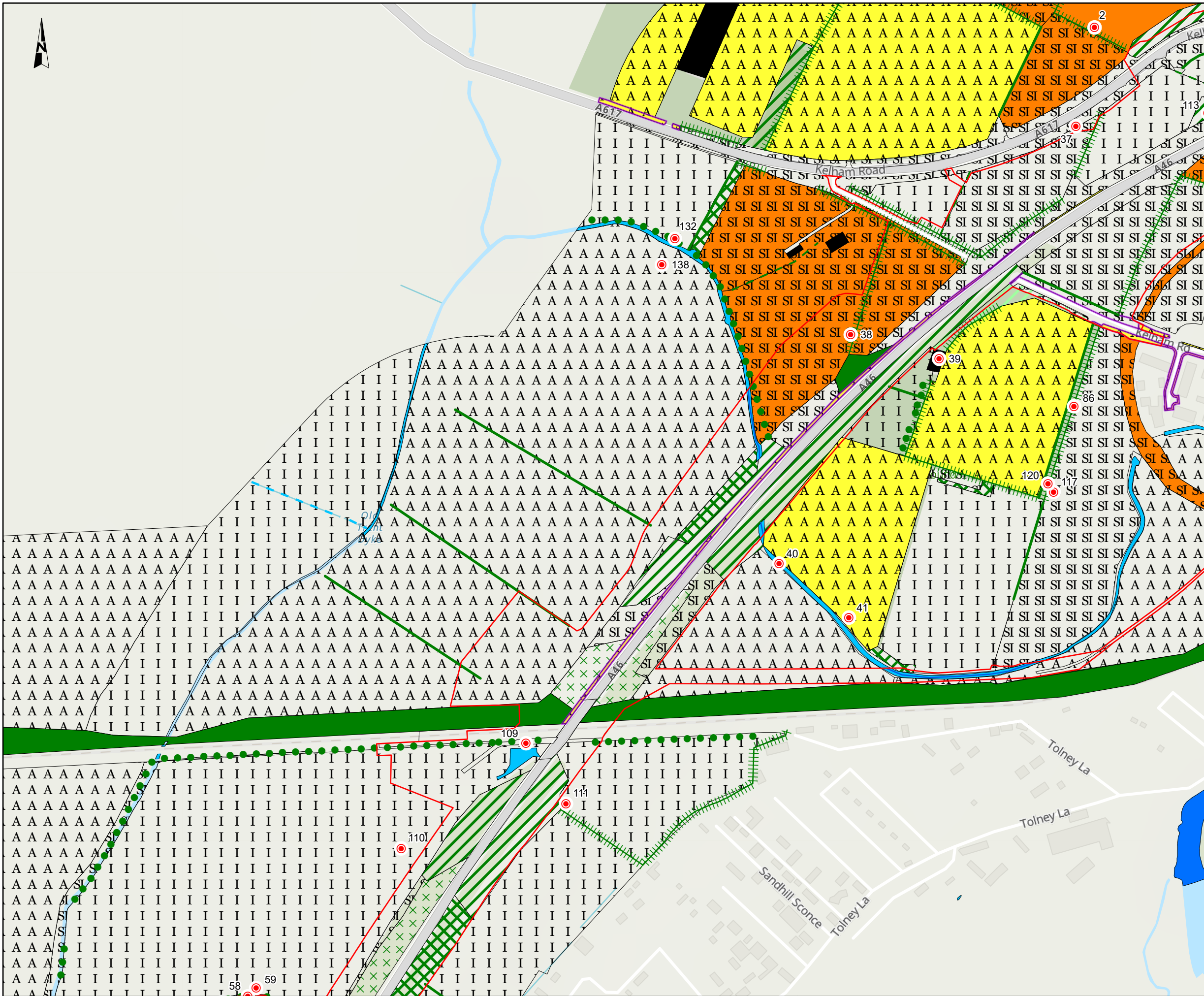
[Red outline]	Order Limits	[Green X]	A2.2 - Scrub - scattered
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[Green X]	A2.2 - Scrub - scattered	[SI]	B2.2 - Neutral grassland - semi-improved
[Green circle]	A3.1 - Broadleaved parkland/scattered trees	[I]	B4 - Improved grassland
[Green circle]	A3.1 - Broadleaved parkland/scattered trees	[SI]	B6 - Poor semi-improved grassland
[Blue line]	G1 - Standing open water	[Hatched]	C3.1 - Other tall herb and fern - ruderal
[Green line]	J2.1.2 - Intact hedge - species-poor	[Blue hatched]	F2.2 - Marginal and inundation - inundation vegetation
[Green dashed line]	J2.2.2 - Defunct hedge - species-poor	[Blue]	G1 - Standing water
[Green hatched]	J2.3.2 - Hedge with trees - species-poor	[Blue wavy]	G2 - Running water
[Green solid]	A1.1.1 - Broadleaved woodland - semi-natural	[A]	J1.1 - Cultivated/disturbed land - arable
[Green diagonal]	A1.1.2 - Broadleaved woodland - plantation	[A]	J1.2 - Cultivated/disturbed land - amenity grassland
[Green diagonal]	A1.2.2 - Coniferous woodland - plantation	[Black]	J3.6 - Buildings
[Green cross-hatch]	A2.1 - Scrub - dense/continuous	[Black dots]	J4 - Bare ground
		[White]	J5 - Other habitat
		[Purple outline]	Habitat assumed



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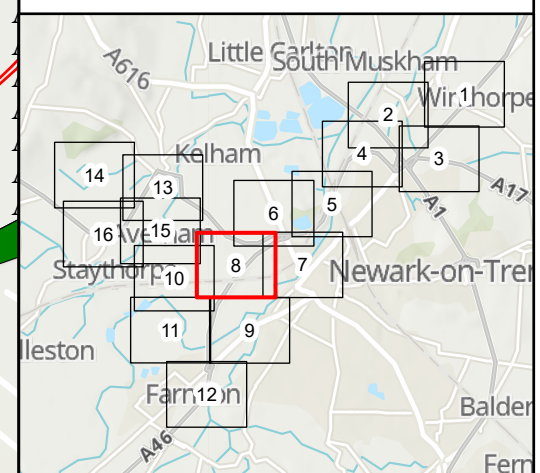




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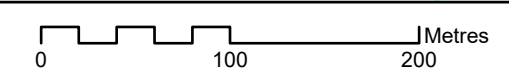
KEY TO SYMBOLS

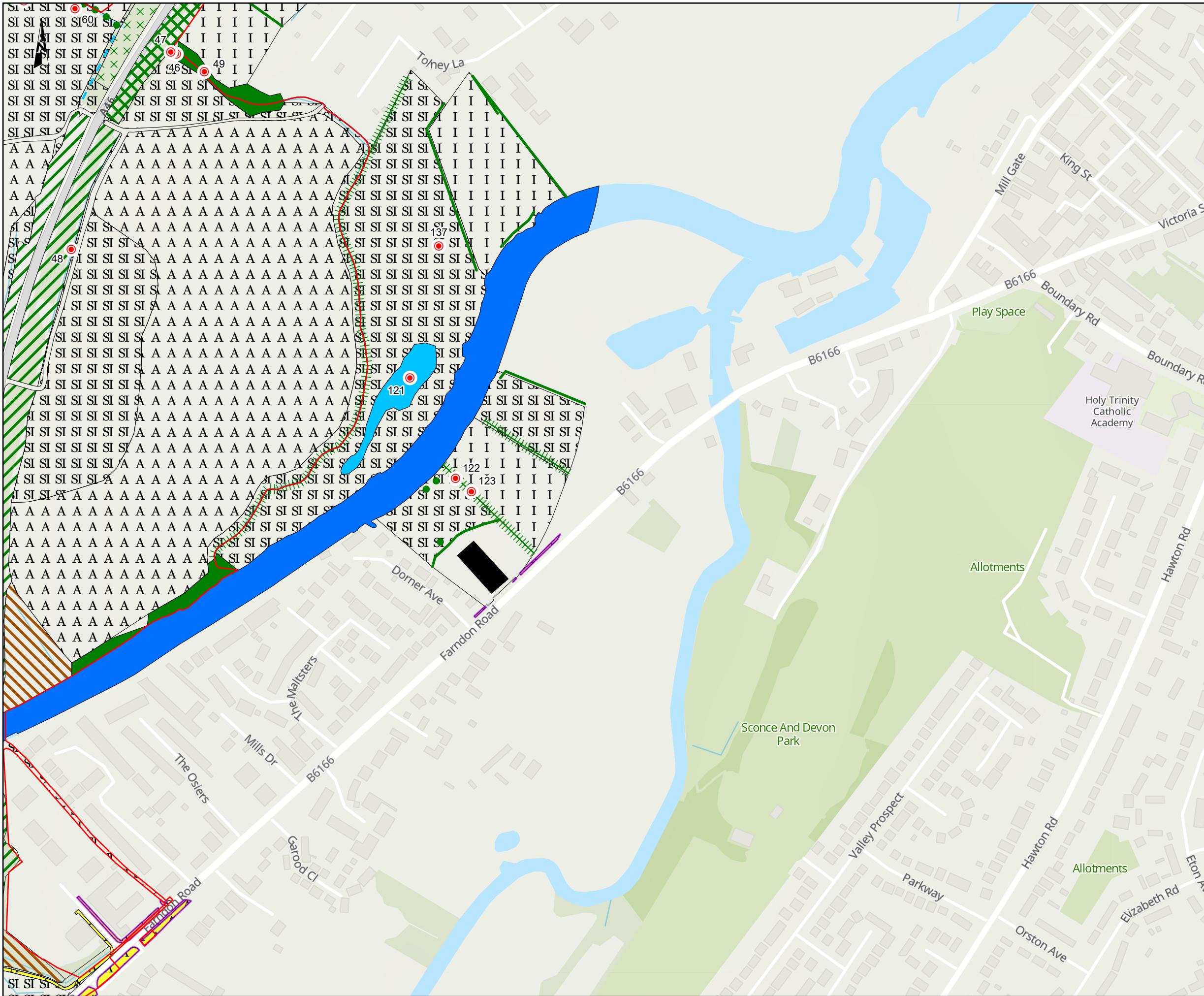
[Red outline]	Order Limits	[Green cross-hatch]	A2.1 - Scrub - dense/continuous
[Red circle]	Target Note	[Green cross-hatch]	A2.2 - Scrub - scattered
[Green circle]	A3.1 - Broadleaved parkland/scattered trees	[Orange]	B2.1 - Neutral grassland - unimproved
[Green circle]	A3.1 - Broadleaved parkland/scattered trees	[SI]	B2.2 - Neutral grassland - semi-improved
[Blue line]	G1 - Standing open water	[I]	B4 - Improved grassland
[Green line]	J2.1.2 - Intact hedge - species-poor	[SI]	B6 - Poor semi-improved grassland
[Green line]	J2.2.2 - Defunct hedge - species-poor	[Blue]	G1 - Standing water
[Green line]	J2.3.2 - Hedge with trees - species-poor	[Blue]	G2 - Running water
[Green line]	J2.6 - Dry ditch	[A]	J1.1 - Cultivated/disturbed land - arable
[Green line]	A1.1.1 - Broadleaved woodland - semi-natural	[A]	J1.2 - Cultivated/disturbed land - amenity grassland
[Green line]	A1.1.2 - Broadleaved woodland - plantation	[Black]	J3.6 - Buildings
[Green line]	A1.2.2 - Coniferous woodland - plantation	[White]	J5 - Other habitat
		[Purple outline]	Habitat assumed



C01	15/02/24	DCO APPLICATION	JB	BC	HF
REV.	DATE	AMENDMENT DETAILS	ORIG	CHKD	APPD
CLIENT					
PURPOSE OF ISSUE					
DCO APPLICATION					
DEVELOPMENT CONSENT ORDER NUMBER					
TR010065					
PROJECT TITLE					
A46 NEWARK BYPASS					
DRAWING TITLE					
Appendix E					
Phase 1 Habitat Survey					
Sheet: 8 of 16					
ORIGINAL SIZE		SCALE			
A3		1:4,000			
DRAWING NUMBER			PROJECT REF NO.		
HE551478			HE551478		
ORIGINATOR			VOLUME		
SKAG			EBD		
CONWI_CONW			DR LE		
LOCATION			TYPE ROLE NUMBER		
			00087		
			REVISION		
			C01		

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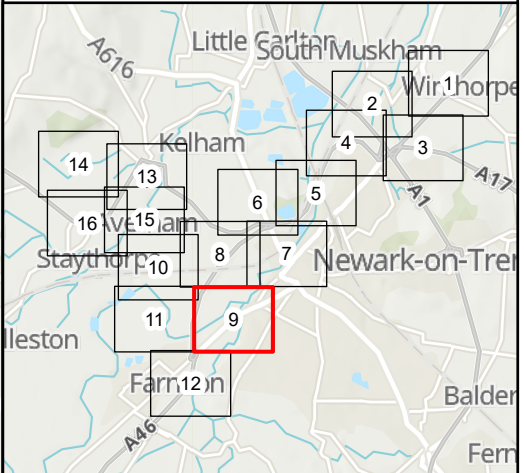




NOTES
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KEY TO SYMBOLS

[Red outline]	Order Limits	[Green cross-hatch]	A2.1 - Scrub - dense/continuous
[Red dot]	Target Note	[Green cross-hatch]	A2.2 - Scrub - scattered
[Green dot]	A3.1 - Broadleaved parkland/scattered trees	[I]	B4 - Improved grassland
[Green dot]	A3.1 - Broadleaved parkland/scattered trees	[SI]	B6 - Poor semi-improved grassland
[Blue line]	G1 - Standing open water	[Brown diagonal]	C3.1 - Other tall herb and fern - ruderal
[Green line]	J2.1.2 - Intact hedge - species-poor	[Blue box]	G1 - Standing water
[Green line with cross-hatch]	J2.3.2 - Hedge with trees - species-poor	[Blue box]	G2 - Running water
[Blue dashed line]	J2.6 - Dry ditch	[A]	J1.1 - Cultivated/disturbed land - arable
[Green box]	A1.1.1 - Broadleaved woodland - semi-natural	[A]	J1.2 - Cultivated/disturbed land - amenity grassland
[Green box with diagonal]	A1.1.2 - Broadleaved woodland - plantation	[Black box]	J3.6 - Buildings
		[White box]	J5 - Other habitat
		[Purple outline]	Habitat assumed



C01	15/02/24	DCO APPLICATION	JB	BC	HF
REV.	DATE	AMENDMENT DETAILS	ORIG	CHKD	APPD

CLIENT

PURPOSE OF ISSUE
 DCO APPLICATION

DEVELOPMENT CONSENT ORDER NUMBER
 TR010065

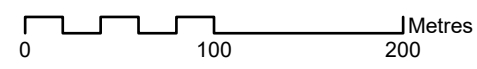
PROJECT TITLE
 A46 NEWARK BYPASS

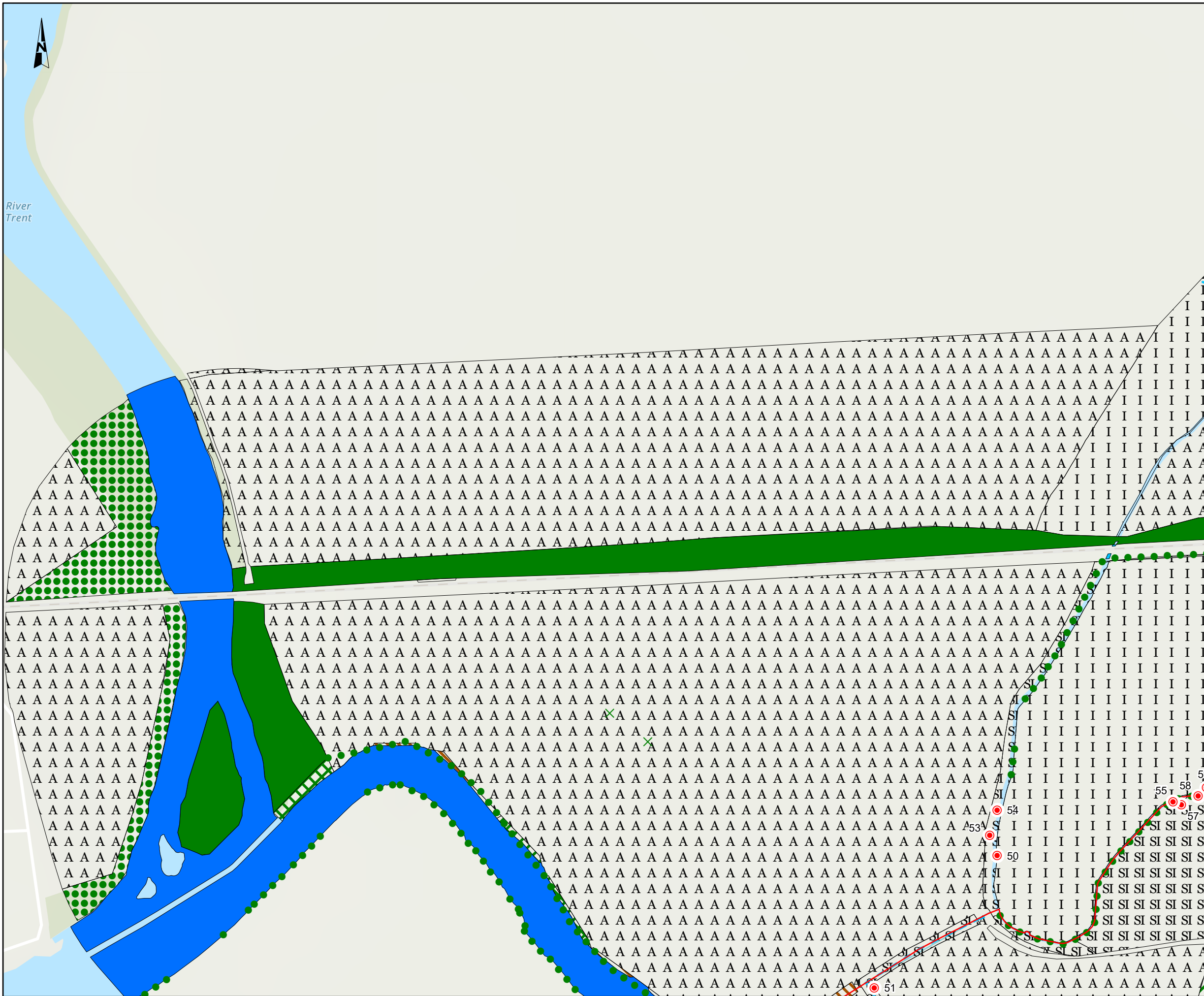
DRAWING TITLE
 Appendix E
 Phase 1 Habitat Survey
 Sheet: 9 of 16

ORIGINAL SIZE A3 SCALE 1:4,000

DRAWING NUMBER HE PIN	ORIGINATOR SKAG	VOLUME EBD	PROJECT REF NO. HE551478
CONWI_CONW	DR	LE	00088
LOCATION	TYPE	ROLE	NUMBER
			REVISION C01

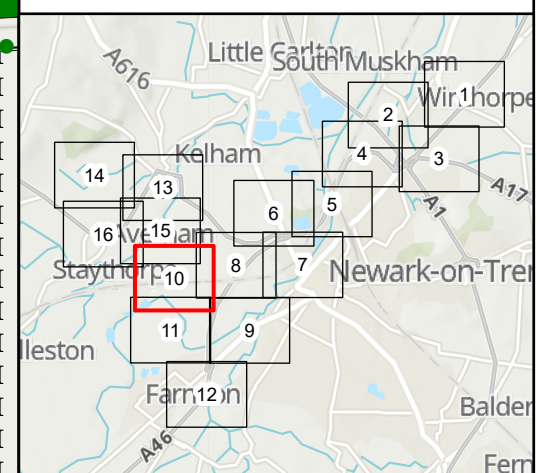
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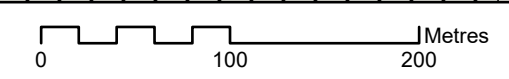


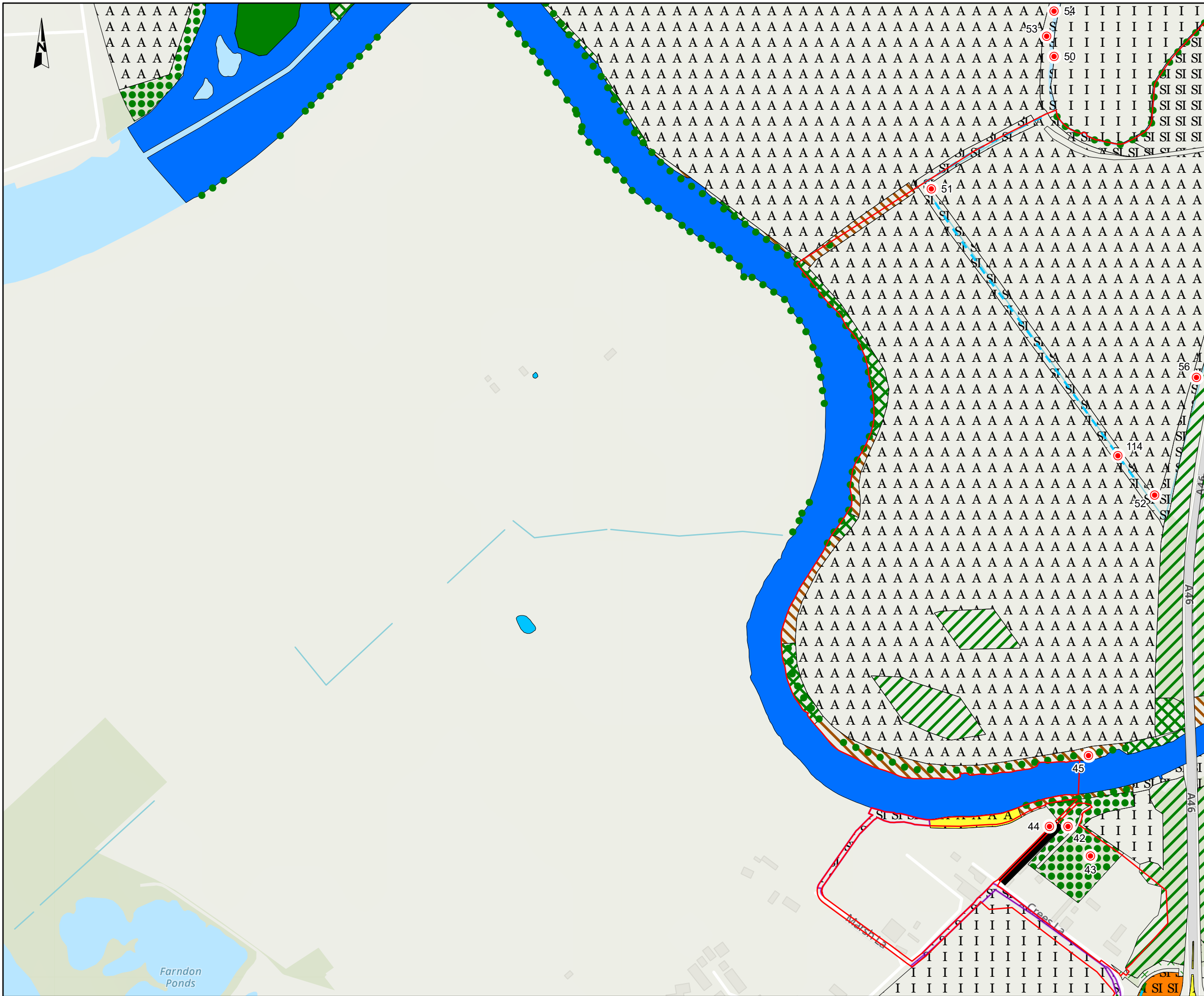
NOTES
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- KEY TO SYMBOLS**
- Order Limits
 - Target Note
 - × A2.2 - Scrub - scattered
 - A3.1 - Broadleaved parkland/scattered trees
 - J2.6 - Dry ditch
 - A1.1.1 - Broadleaved woodland - semi-natural
 - A1.1.2 - Broadleaved woodland - plantation
 - A2.1 - Scrub - dense/continuous
 - A3.1 - Broadleaved parkland/scattered trees
 - I B4 - Improved grassland
 - SI B6 - Poor semi-improved grassland
 - C3.1 - Other tall herb and fern - ruderal
 - G1 - Standing water
 - G2 - Running water
 - A J1.1 - Cultivated/disturbed land - arable



C01	15/02/24	DCO APPLICATION	JB	BC	HF
REV.	DATE	AMENDMENT DETAILS	ORIG	CHKD	APPD
CLIENT					
PURPOSE OF ISSUE					
DCO APPLICATION					
DEVELOPMENT CONSENT ORDER NUMBER					
TR010065					
PROJECT TITLE					
A46 NEWARK BYPASS					
DRAWING TITLE					
Appendix E					
Phase 1 Habitat Survey					
Sheet: 10 of 16					
ORIGINAL SIZE		SCALE			
A3		1:4,000			
DRAWING NUMBER	ORIGINATOR	VOLUME	PROJECT REF. NO.		
HE551478	SKAG	EBD	HE551478		
CONWI_CONW	DR	LE	00089	REVISION	
LOCATION	TYPE	ROLE	NUMBER	C01	

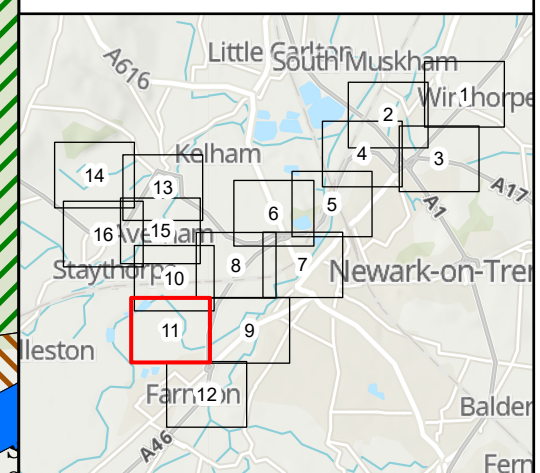




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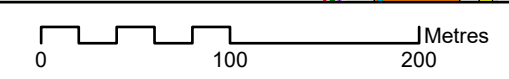
KEY TO SYMBOLS

[Red outline]	Order Limits	[Green dots]	A3.1 - Broadleaved parkland/scattered trees
[Red circle]	Target Note	[Orange box with SI]	B2.2 - Neutral grassland - semi-improved
[Green circle]	A3.1 - Broadleaved parkland/scattered trees	[I box]	B4 - Improved grassland
[Green circle]	A3.1 - Broadleaved parkland/scattered trees	[SI box]	B6 - Poor semi-improved grassland
[Green line]	J2.1.2 - Intact hedge - species-poor	[Diagonal lines]	C3.1 - Other tall herb and fern - ruderal
[Blue dashed line]	J2.6 - Dry ditch	[Blue box]	G1 - Standing water
[Green box]	A1.1.1 - Broadleaved woodland - semi-natural	[Blue box]	G2 - Running water
[Green box with diagonal lines]	A1.1.2 - Broadleaved woodland - plantation	[A box]	J1.1 - Cultivated/disturbed land - arable
[Green box with cross-hatch]	A2.1 - Scrub - dense/continuous	[Yellow box with A]	J1.2 - Cultivated/disturbed land - amenity grassland
[Green box with diagonal lines]	A2.2 - Scrub - scattered	[Black box]	J3.6 - Buildings
		[White box]	J5 - Other habitat
		[Purple outline]	Habitat assumed

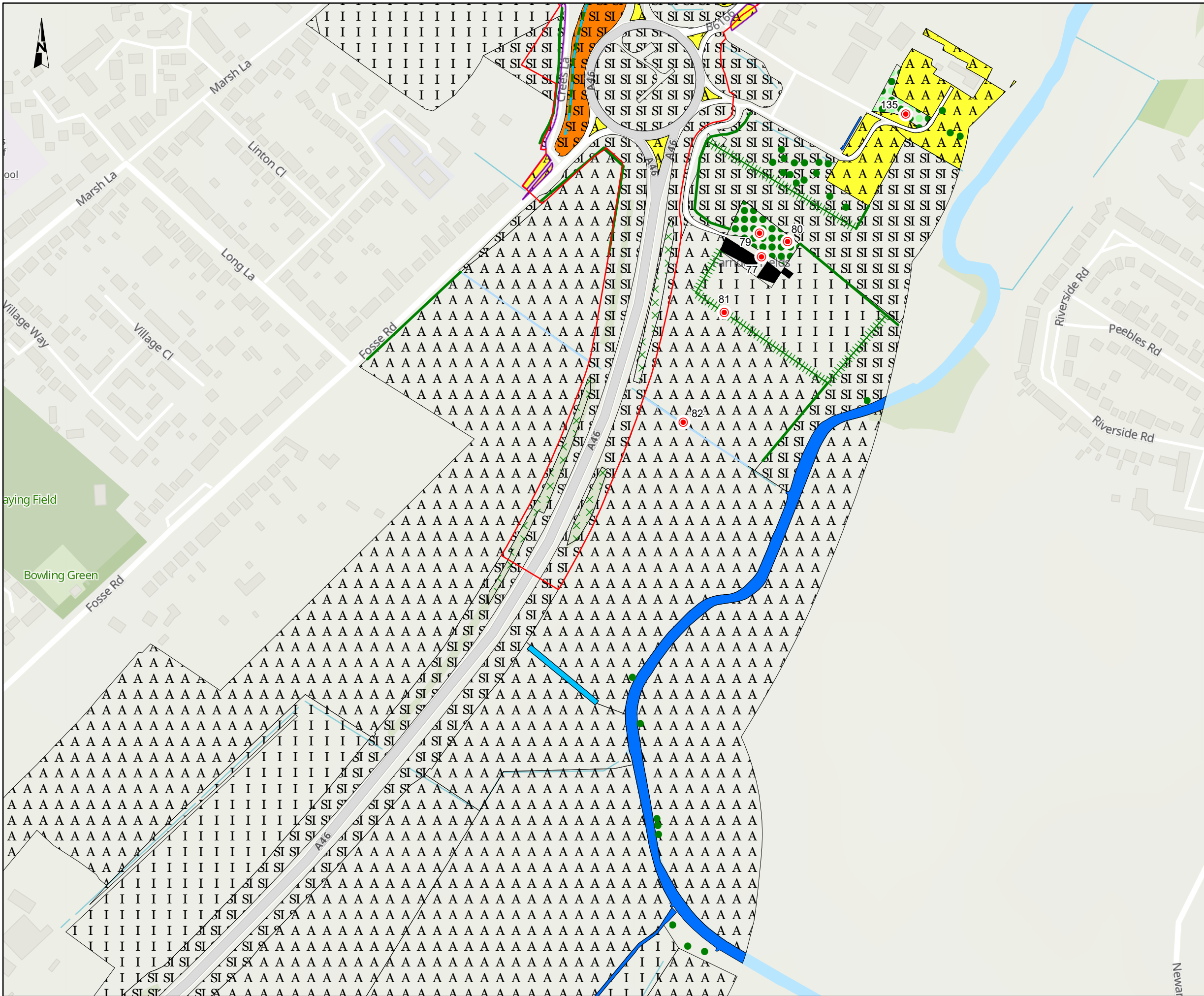


C01	15/02/24	DCO APPLICATION	JB	BC	HF
REV.	DATE	AMENDMENT DETAILS	ORIG	CHKD	APP'D
CLIENT					
PURPOSE OF ISSUE					
DCO APPLICATION					
DEVELOPMENT CONSENT ORDER NUMBER					
TR010065					
PROJECT TITLE					
A46 NEWARK BYPASS					
DRAWING TITLE					
Appendix E					
Phase 1 Habitat Survey					
Sheet: 11 of 16					
ORIGINAL SIZE		A3	SCALE		1:4,000
DRAWING NUMBER	HE PIN	ORIGINATOR	VOLUME	PROJECT REF NO.	
HE551478	SKAG	EBD		HE551478	
CONWI_CONW	DR	LE	00090	REVISION	
				C01	

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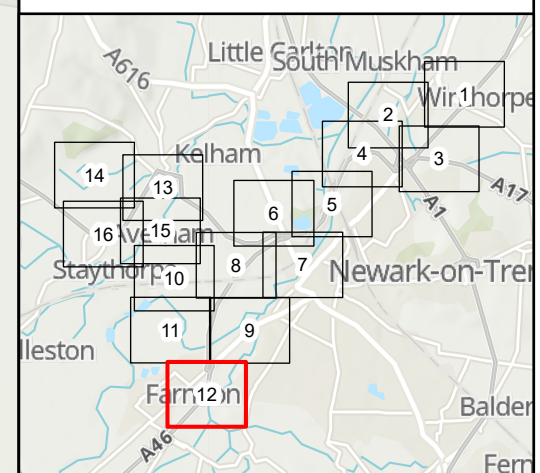
DRAWING NUMBER	HE PIN	ORIGINATOR	VOLUME	PROJECT REF NO.	
HE551478	SKAG	EBD		HE551478	
CONWI_CONW	DR	LE	00090	REVISION	
				C01	



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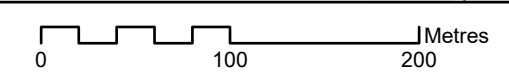
KEY TO SYMBOLS

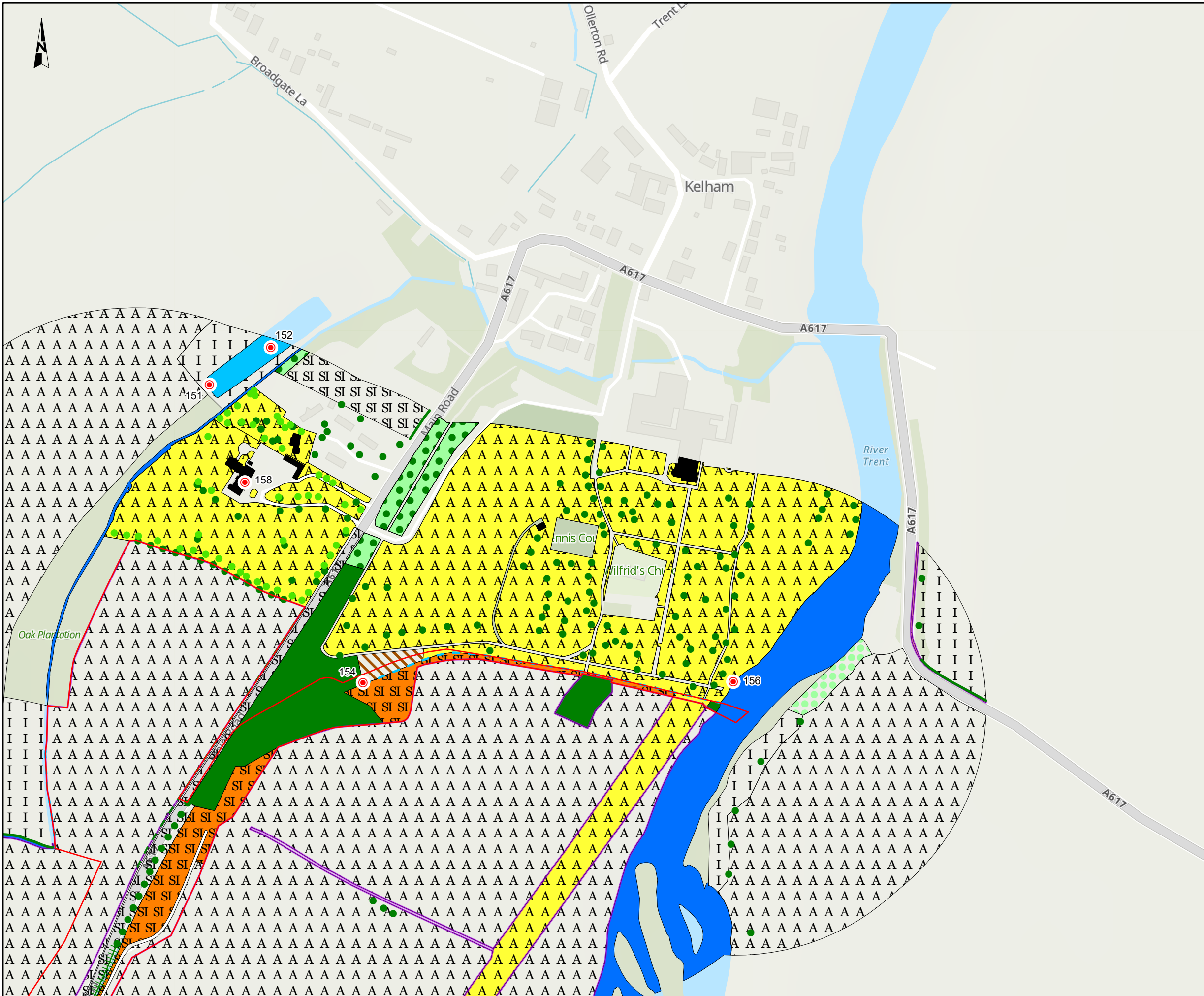
Order Limits	A3.3 - Mixed parkland/scattered trees
Target Note	B2.2 - Neutral grassland - semi-improved
A3.1 - Broadleaved parkland/scattered trees	B4 - Improved grassland
F2.1 - Marginal and inundation - marginal vegetation	B6 - Poor semi-improved grassland
J2.1.2 - Intact hedge - species-poor	G1 - Standing water
J2.3.2 - Hedge with trees - species-poor	G2 - Running water
J2.6 - Dry ditch	J1.1 - Cultivated/disturbed land - arable
A2.2 - Scrub - scattered	J1.2 - Cultivated/disturbed land - amenity grassland
A3.1 - Broadleaved parkland/scattered trees	J3.6 - Buildings
	J5 - Other habitat
	Habitat assumed



C01	15/02/24	DCO APPLICATION	JB	BC	HF
REV.	DATE	AMENDMENT DETAILS	ORIG	CHKD	APP'D
CLIENT					
PURPOSE OF ISSUE					
DCO APPLICATION					
DEVELOPMENT CONSENT ORDER NUMBER					
TR010065					
PROJECT TITLE					
A46 NEWARK BYPASS					
DRAWING TITLE					
Appendix E Phase 1 Habitat Survey Sheet: 12 of 16					
ORIGINAL SIZE		SCALE			
A3		1:4,000			
DRAWING NUMBER			PROJECT REF. NO.		
HE551478			HE551478		
ORIGINATOR			REVISION		
SKAG			C01		
VOLUME			NUMBER		
EBD			00091		
LOCATION		TYPE		ROLE	
CONWI_CONW		DR		LE	

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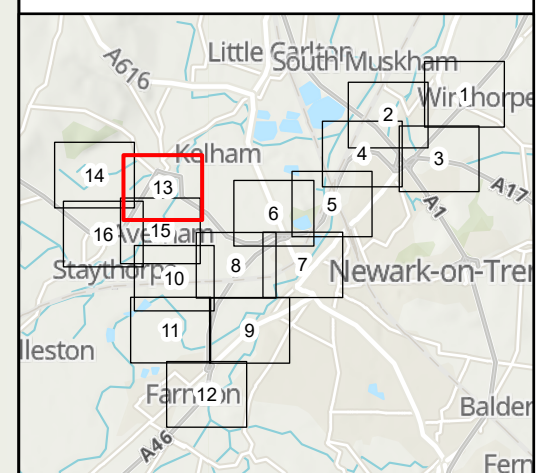




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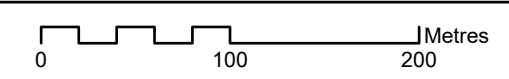
KEY TO SYMBOLS

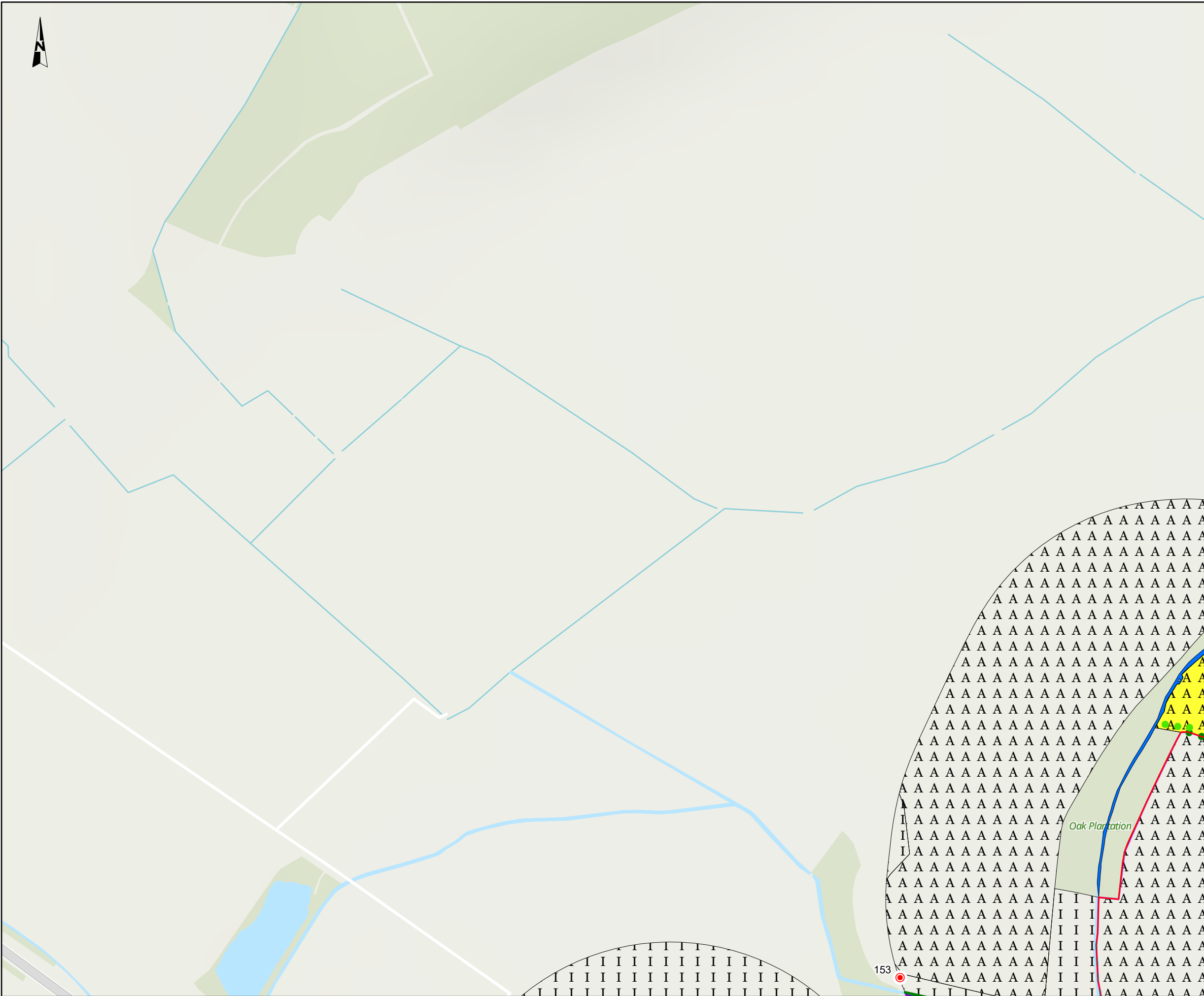
Order Limits	A3.2 - Coniferous parkland/scattered trees
Target Note	B2.2 - Neutral grassland - semi-improved
A3.1 - Broadleaved parkland/scattered trees	B4 - Improved grassland
A3.3 - Mixed parkland/scattered trees	B6 - Poor semi-improved grassland
A3.1 - Broadleaved parkland/scattered trees	C3.1 - Other tall herb and fern - ruderal
J2.1.2 - Intact hedge - species-poor	G1 - Standing water
J2.2.2 - Defunct hedge - species-poor	G2 - Running water
J2.3.2 - Hedge with trees - species-poor	J1.1 - Cultivated/disturbed land - arable
J2.6 - Dry ditch	J1.2 - Cultivated/disturbed land - amenity grassland
A1.1.1 - Broadleaved woodland - semi-natural	J3.6 - Buildings
A1.3.1 - Mixed woodland - semi-natural	J5 - Other habitat
	Habitat assumed



C01	15/02/24	DCO APPLICATION	JB	BC	HF
REV.	DATE	AMENDMENT DETAILS	ORIG	CHKD	APPD
CLIENT					
PURPOSE OF ISSUE					
DCO APPLICATION					
DEVELOPMENT CONSENT ORDER NUMBER					
TR010065					
PROJECT TITLE					
A46 NEWARK BYPASS					
DRAWING TITLE					
Appendix E Phase 1 Habitat Survey Sheet: 13 of 16					
ORIGINAL SIZE		SCALE			
A3		1:4,000			
DRAWING NUMBER			ORIGINATOR		PROJECT REF. NO.
HE551478			SKAG		HE551478
CONWI_CONW			DR LE		REVISION
LOCATION			TYPE ROLE NUMBER		C01

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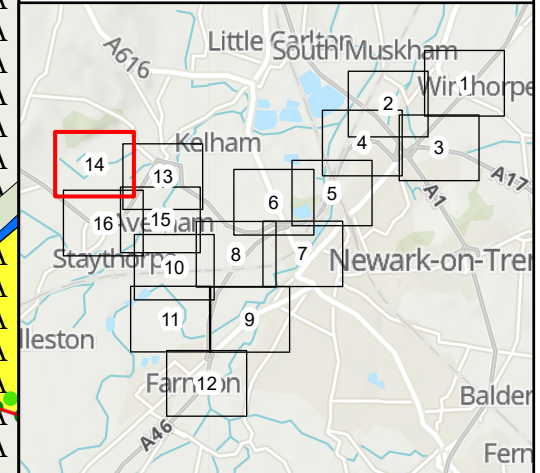




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KEY TO SYMBOLS

- Order Limits
- Target Note
- A3.3 - Mixed parkland/scattered trees
- A3.1 - Broadleaved parkland/scattered trees
- J2.1.2 - Intact hedge - species-poor
- J2.6 - Dry ditch
- I B4 - Improved grassland
- G1 - Standing water
- G2 - Running water
- A J1.1 - Cultivated/disturbed land - arable
- A J1.2 - Cultivated/disturbed land - amenity grassland
- Habitat assumed



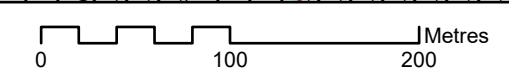
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REV.	DATE	AMENDMENT DETAILS	ORIG	CHKD	APPD

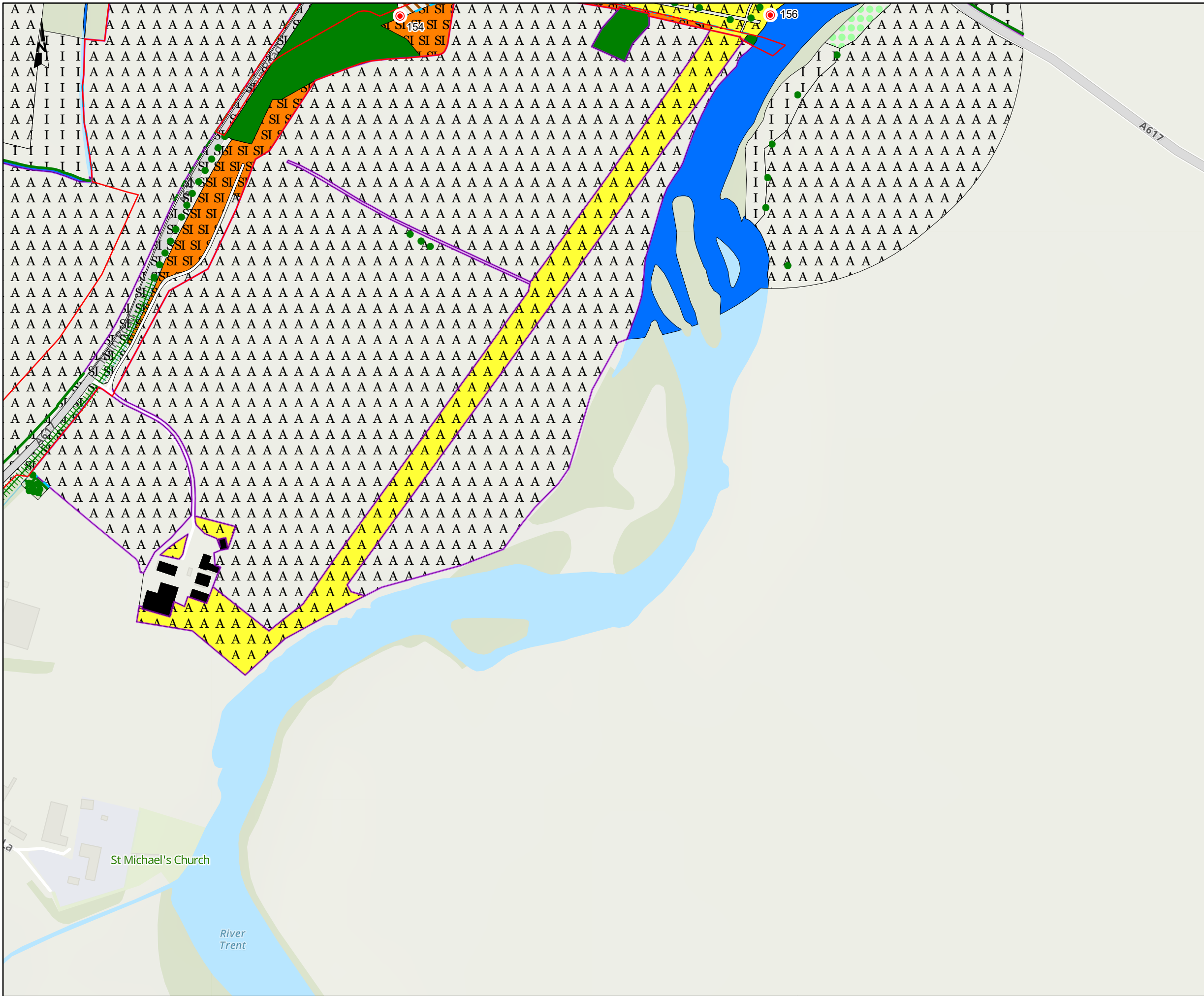
CLIENT

 PURPOSE OF ISSUE
 DCO APPLICATION
 DEVELOPMENT CONSENT ORDER NUMBER
 TR010065
 PROJECT TITLE
 A46 NEWARK BYPASS
 DRAWING TITLE
 Appendix E
 Phase 1 Habitat Survey
 Sheet: 14 of 16

DRAWING NUMBER	ORIGINATOR	VOLUME	PROJECT REF NO.
HE551478	SKAG	EBD	HE551478
CONWI_CONW	DR	LE	REVISION
LOCATION	TYPE	ROLE	NUMBER
			C01

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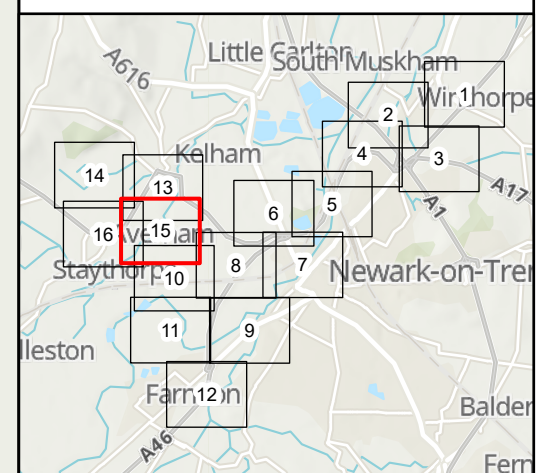




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KEY TO SYMBOLS

[Red outline]	Order Limits	[Green with dots]	A3.2 - Coniferous parkland/scattered trees
[Red circle]	Target Note	[Orange box]	B2.2 - Neutral grassland - semi-improved
[Green dot]	A3.1 - Broadleaved parkland/scattered trees	[I box]	B4 - Improved grassland
[Green dot]	A3.1 - Broadleaved parkland/scattered trees	[SI box]	B6 - Poor semi-improved grassland
[Green line]	J2.1.2 - Intact hedge - species-poor	[Diagonal lines]	C3.1 - Other tall herb and fern - ruderal
[Green dashed line]	J2.2.2 - Defunct hedge - species-poor	[Blue box]	G2 - Running water
[Green with vertical lines]	J2.3.2 - Hedge with trees - species-poor	[A box]	J1.1 - Cultivated/disturbed land - arable
[Blue dashed line]	J2.6 - Dry ditch	[Yellow box]	J1.2 - Cultivated/disturbed land - amenity grassland
[Green with diagonal lines]	A1.1.1 - Broadleaved woodland - semi-natural	[Black box]	J3.6 - Buildings
[Green with cross-hatch]	A2.1 - Scrub - dense/continuous	[White box]	J5 - Other habitat
		[Purple outline]	Habitat assumed



C01	15/02/24	DCO APPLICATION	JB	BC	HF
REV.	DATE	AMENDMENT DETAILS	ORIG	CHKD	APPD

CLIENT
 national highways

PURPOSE OF ISSUE
 DCO APPLICATION

DEVELOPMENT CONSENT ORDER NUMBER
 TR010065

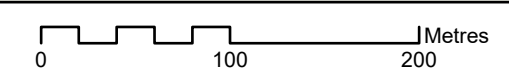
PROJECT TITLE
 A46 NEWARK BYPASS

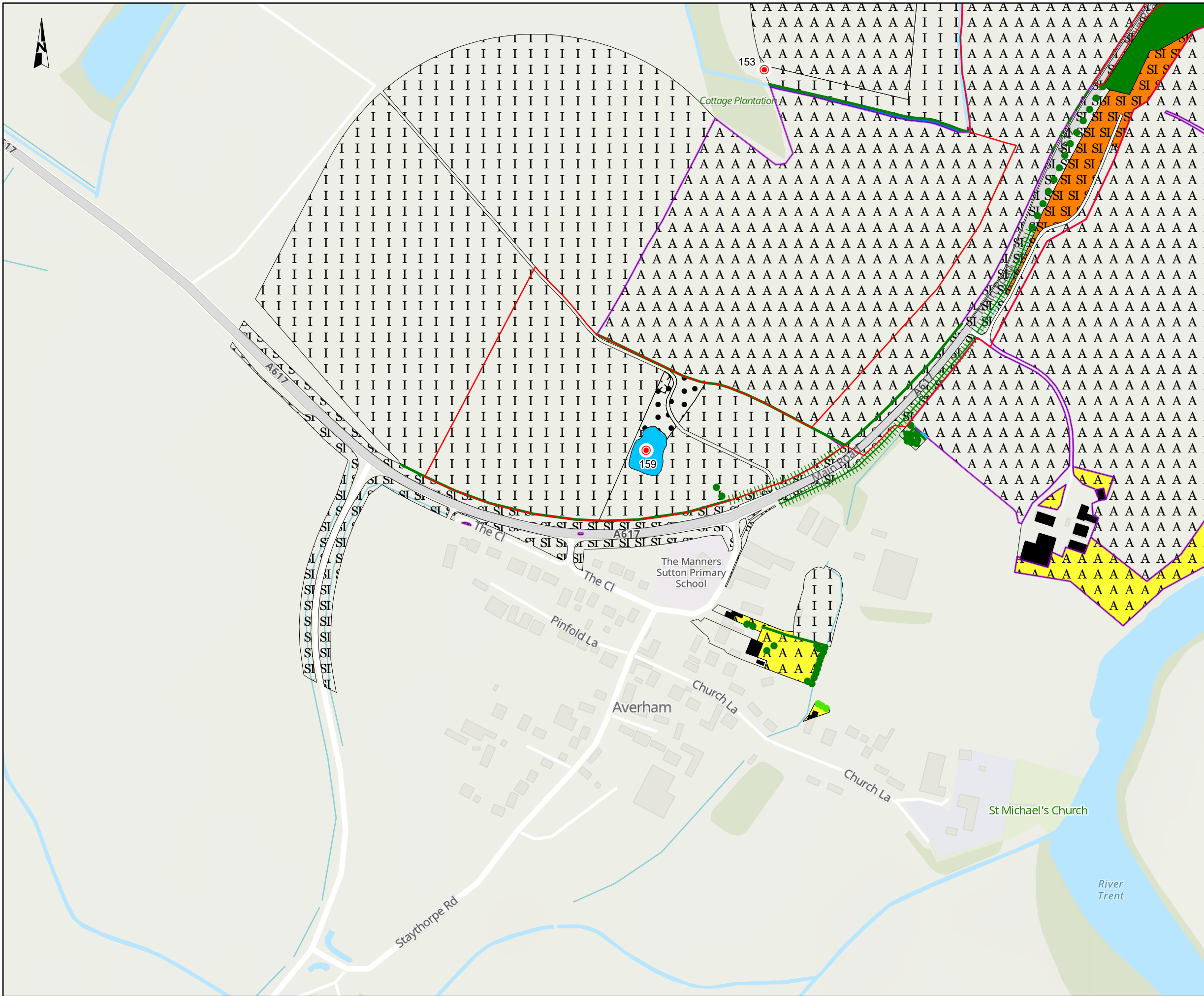
DRAWING TITLE
 Appendix E
 Phase 1 Habitat Survey
 Sheet: 15 of 16

ORIGINAL SIZE A3 SCALE 1:4,000

DRAWING NUMBER HE PIN HE551478	ORIGINATOR SKAG	VOLUME EBD	PROJECT REF NO. HE551478
CONWI_CONW	DR	LE	00094
LOCATION	TYPE	ROLE	NUMBER

REVISION
 C01

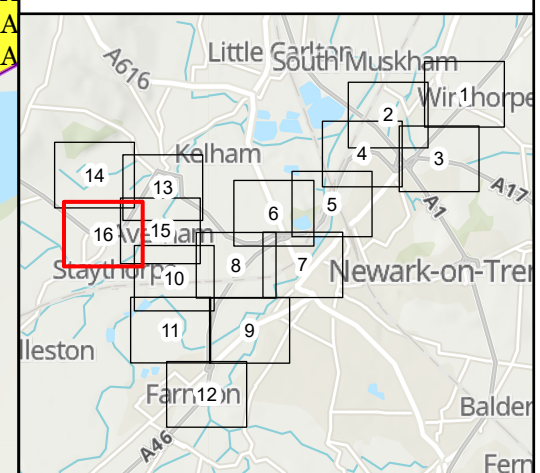




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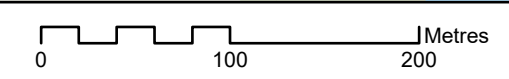
KEY TO SYMBOLS

[Red outline]	Order Limits	[Orange box]	B2.2 - Neutral grassland - semi-improved
[Red circle]	Target Note	[I symbol]	B4 - Improved grassland
[Green circle]	A3.1 - Broadleaved parkland/scattered trees	[SI symbol]	B6 - Poor semi-improved grassland
[Light green circle]	A3.3 - Mixed parkland/scattered trees	[Blue box]	G1 - Standing water
[Dark green circle]	A3.1 - Broadleaved parkland/scattered trees	[Blue box]	G2 - Running water
[Green line]	J2.1.2 - Intact hedge - species-poor	[A symbol]	J1.1 - Cultivated/disturbed land - arable
[Dashed green line]	J2.2.2 - Defunct hedge - species-poor	[A symbol]	J1.2 - Cultivated/disturbed land - amenity grassland
[Green hatched]	J2.3.2 - Hedge with trees - species-poor	[X symbol]	J1.3 - Cultivated/disturbed land - ephemeral/short perennial
[Blue dashed line]	J2.6 - Dry ditch	[Black box]	J3.6 - Buildings
[Green box]	A1.1.1 - Broadleaved woodland - semi-natural	[White box]	J4 - Bare ground
[Green hatched]	A2.1 - Scrub - dense/continuous	[White box]	J5 - Other habitat
[Purple outline]		[Purple outline]	Habitat assumed



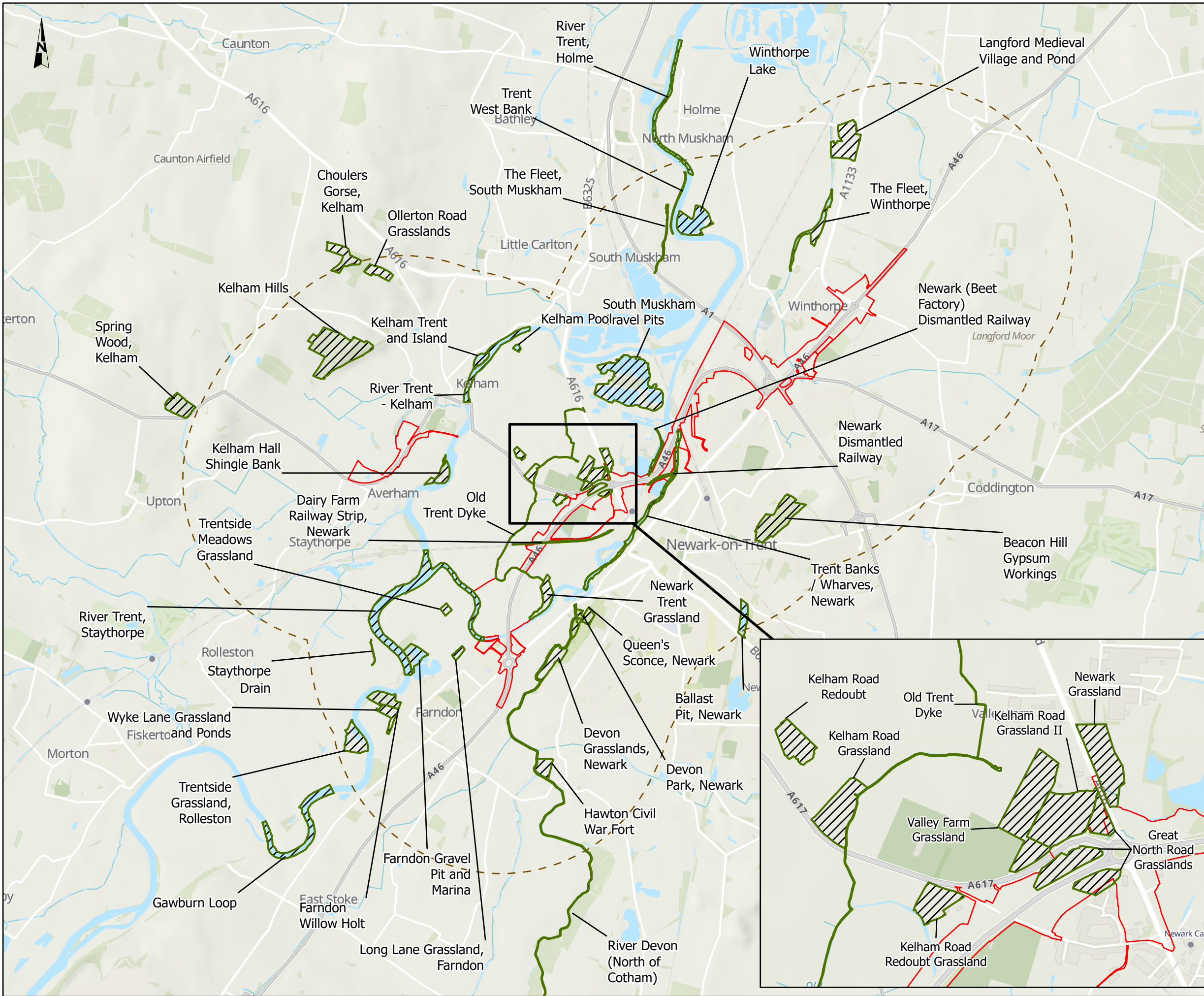
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REV.	DATE	AMENDMENT DETAILS	ORIG	CHKD	APP'D
CLIENT					
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DCO APPLICATION					
DEVELOPMENT CONSENT ORDER NUMBER					
TR010065					
PROJECT TITLE					
A46 NEWARK BYPASS					
DRAWING TITLE					
Appendix E					
Phase 1 Habitat Survey					
Sheet: 16 of 16					
ORIGINAL SIZE		SCALE			
A3		1:4,000			
DRAWING NUMBER			ORIGINATOR		PROJECT REF NO.
HE551478			SKAG		HE551478
CONWI_CONW			DR LE		REVISION
LOCATION			TYPE ROLE NUMBER		C01

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HE551478	SKAG	EBD	HE551478
CONWI_CONW	DR LE	00095	REVISION
LOCATION	TYPE	ROLE	NUMBER
			C01

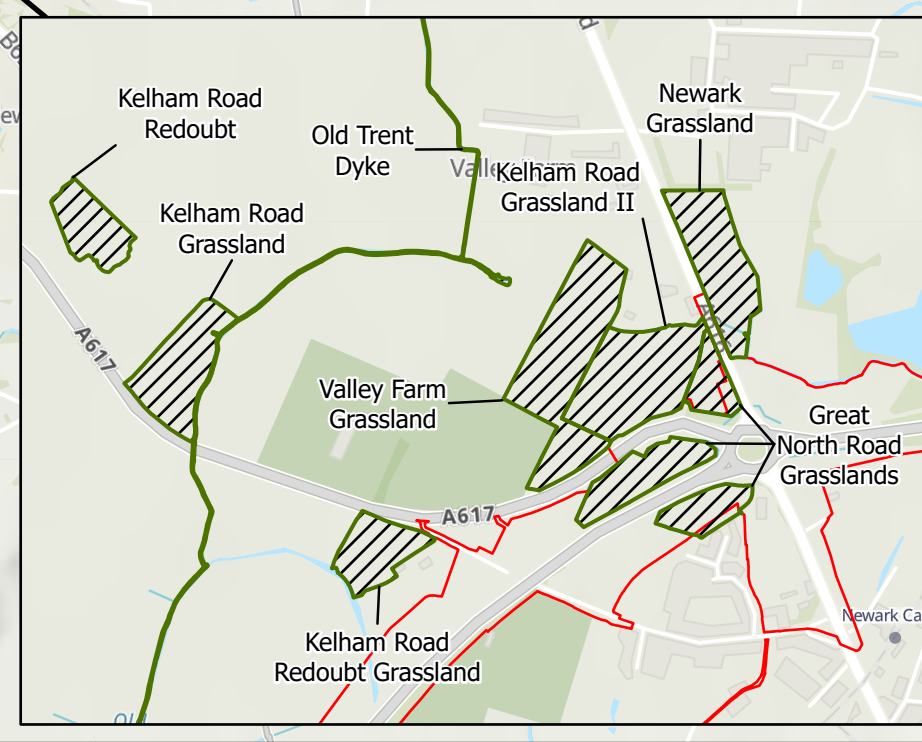
F. Appendix: Local wildlife sites within 2 kilometres



NOTES
 Source
 Nottinghamshire County Council, Sherwood and Newark District Council data.
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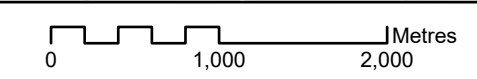
KEY TO SYMBOLS

- Order Limits
- Order Limits 2km buffer
- Local Wildlife Site (LWS)

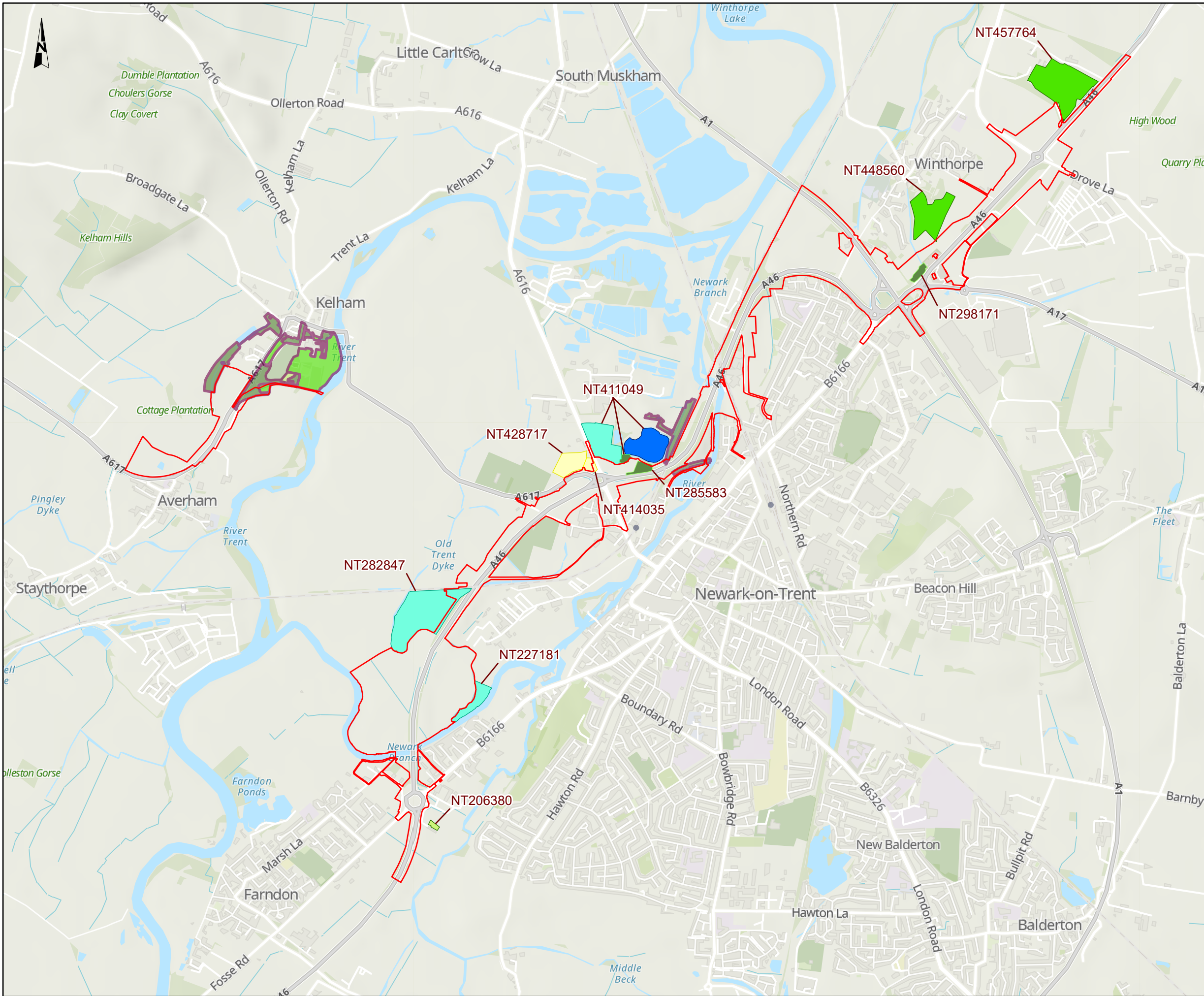


C01	15/02/24	DCO APPLICATION	JB	BC	HF
REV.	DATE	AMENDMENT DETAILS	ORIG	CHKD	APPRD
CLIENT					
PURPOSE OF ISSUE					
DCO APPLICATION					
DEVELOPMENT CONSENT ORDER NUMBER					
TR010065					
PROJECT TITLE					
A617 NEWARK BYPASS					
DRAWING TITLE					
Appendix F Local Wildlife Sites					
ORIGINAL SIZE		SCALE			
A3		1:45,000			
DRAWING NUMBER		ORIGINATOR	VOLUME	PROJECT REF NO.	
HE551478		SKAG	EBD	HE551478	
CONWI_CONW		DR	LE	00036	REVISION
LOCATION		TYPE	ROLE	NUMBER	C01

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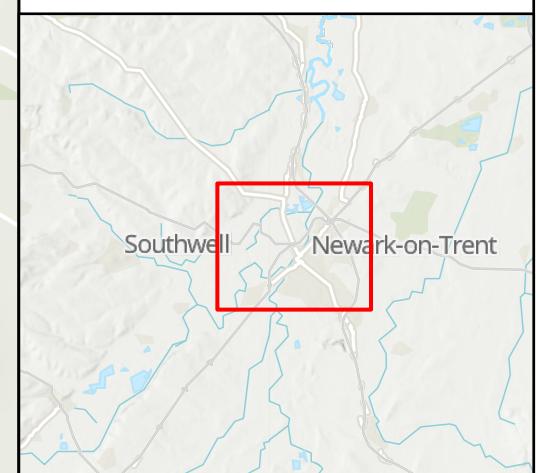


G. Appendix: Habitats of Principal Importance (HPI)



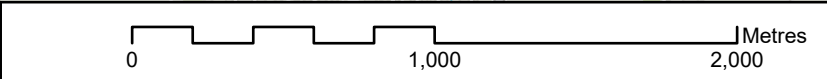
NOTES
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- KEY TO SYMBOLS**
- Order Limits
 - Habitat of principal importance (HPI) - surveyed**
 - Coastal and Floodplain Grazing Marsh
 - Eutrophic Standing Water
 - Lowland Meadow
 - Lowland Mixed Deciduous Woodland
 - Traditional Orchard
 - Wood Pasture
 - Habitat of principal importance (HPI) - desk study data**
 - Lowland Mixed Deciduous Woodland
 - Traditional Orchard
 - Wood Pasture



C01	15/02/24	DCO APPLICATION	JB	BC	HF
REV.	DATE	AMENDMENT DETAILS	ORIG	CHKD	APPD
CLIENT					
PURPOSE OF ISSUE					
DCO APPLICATION					
DEVELOPMENT CONSENT ORDER NUMBER					
TR010065					
PROJECT TITLE					
A46 NEWARK BYPASS					
DRAWING TITLE					
Appendix G Habitats of Principal Importance (HPI)					
ORIGINAL SIZE		SCALE			
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DRAWING NUMBER			ORIGINATOR		VOLUME
HE551478			SKAG		EBD
CONWI_CONW			DR	LE	00097
LOCATION			TYPE	ROLE	NUMBER
PROJECT REF NO.					HE551478
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LOCATION		TYPE	ROLE	NUMBER	C01