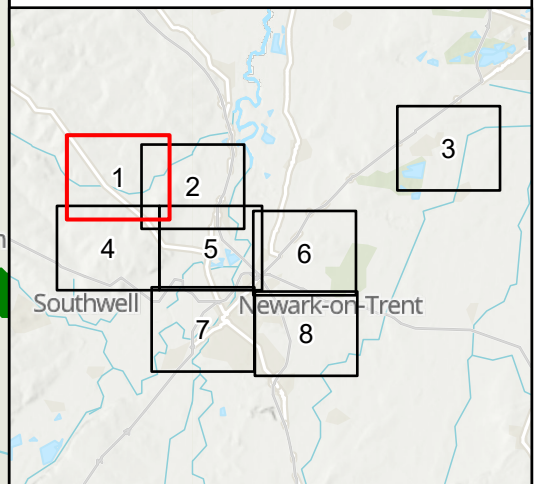


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 Service Layer Credits
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 Contains data from OS Zoomstack

KEY TO SYMBOLS

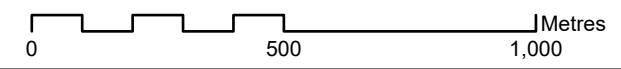
Long term noise level change Δ in $L_{A10,18h}$ (dB) (Do Minimum Design Year vs Do Something Design Year)

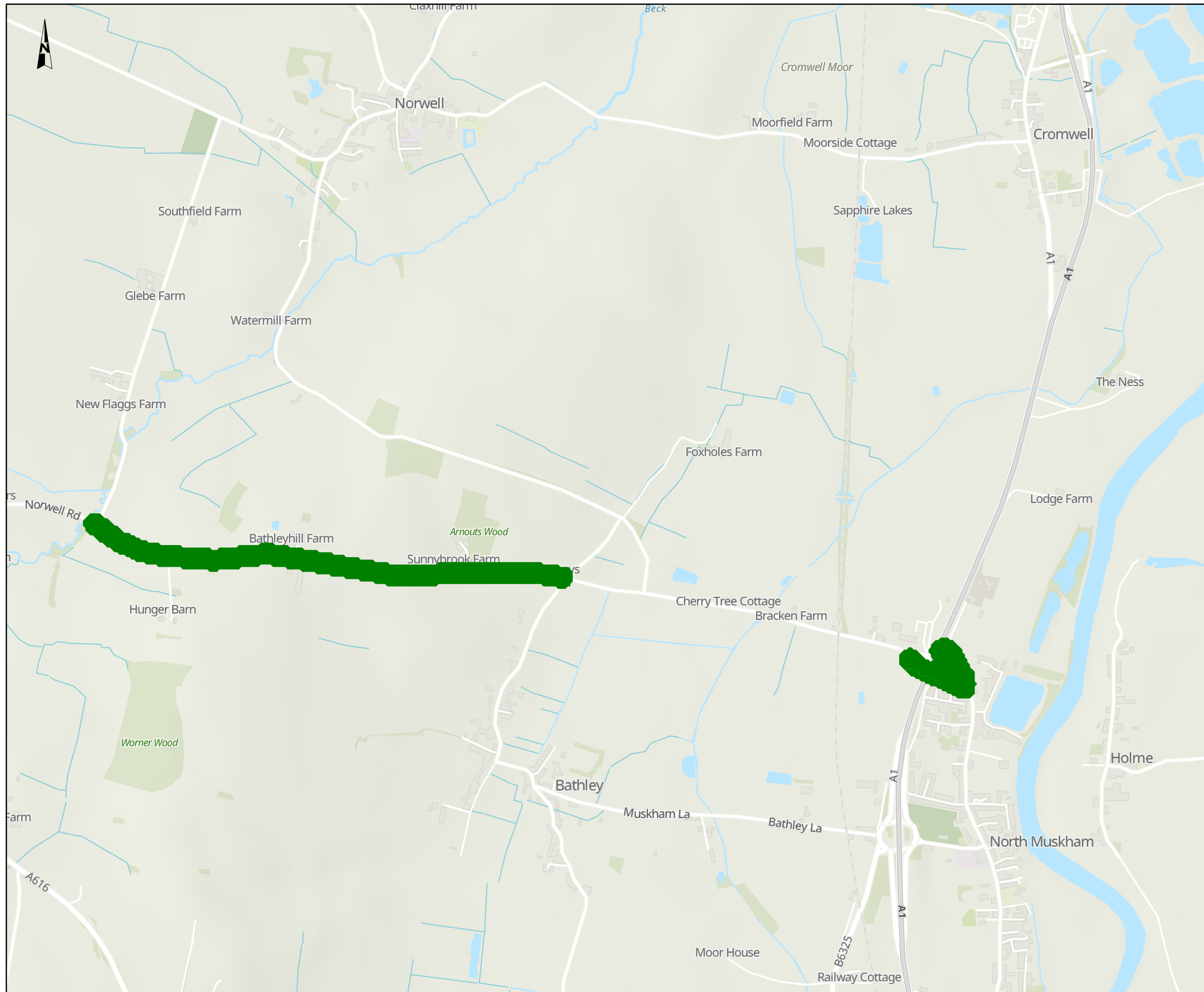
Dark Purple	$\Delta \leq -10$
Blue	$-10 < \Delta \leq -5$
Light Blue	$-5 < \Delta \leq -3$
Green	$-3 < \Delta < 3$
Yellow	$3 \leq \Delta < 5$
Orange	$5 \leq \Delta < 10$
Red	$\Delta \geq 10$



C01	08/12/23	DCO APPLICATION	BH	SD	HF
REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D
CLIENT					
national highways		DCO APPLICATION			
DEVELOPMENT CONSENT ORDER NUMBER					
TR010065					
PROJECT TITLE					
A46 NEWARK BYPASS					
DRAWING TITLE					
Figure 11.10 Long-term Noise Change Sheet: 1 of 8					
ORIGINAL SIZE		SCALE			
A3		1:15,000			
DRAWING NUMBER		ORIGINATOR		VOLUME	
HE551478		SKAG		ENV	
CONWI_CONW		DR LA		00052	
LOCATION		I TYPE		I ROLE	
PROJECT REF NO.					HE551478
REVISION					C01

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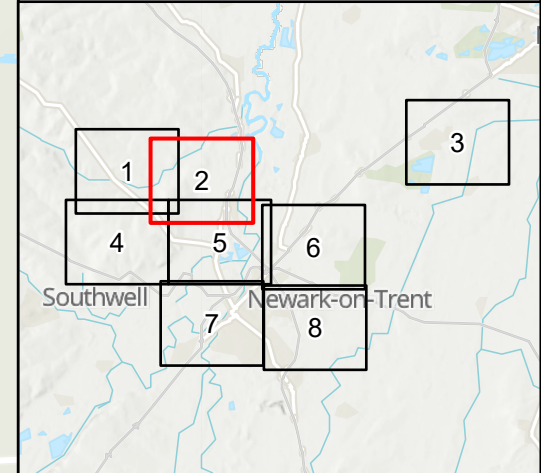


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KEY TO SYMBOLS

Long term noise level change Δ in $L_{A10,18h}$ (dB) (Do Minimum Design Year vs Do Something Design Year)

- $\Delta \leq -10$
- $-10 < \Delta \leq -5$
- $-5 < \Delta \leq -3$
- $-3 < \Delta < 3$
- $3 \leq \Delta < 5$
- $5 \leq \Delta < 10$
- $\Delta \geq 10$



CO1	08/12/23	DCO APPLICATION	BH	SD	HF
REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D

CLIENT

PURPOSE OF ISSUE
 DCO APPLICATION

DEVELOPMENT CONSENT ORDER NUMBER
 TR010065

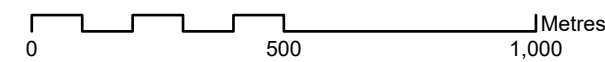
PROJECT TITLE
 A46 NEWARK BYPASS

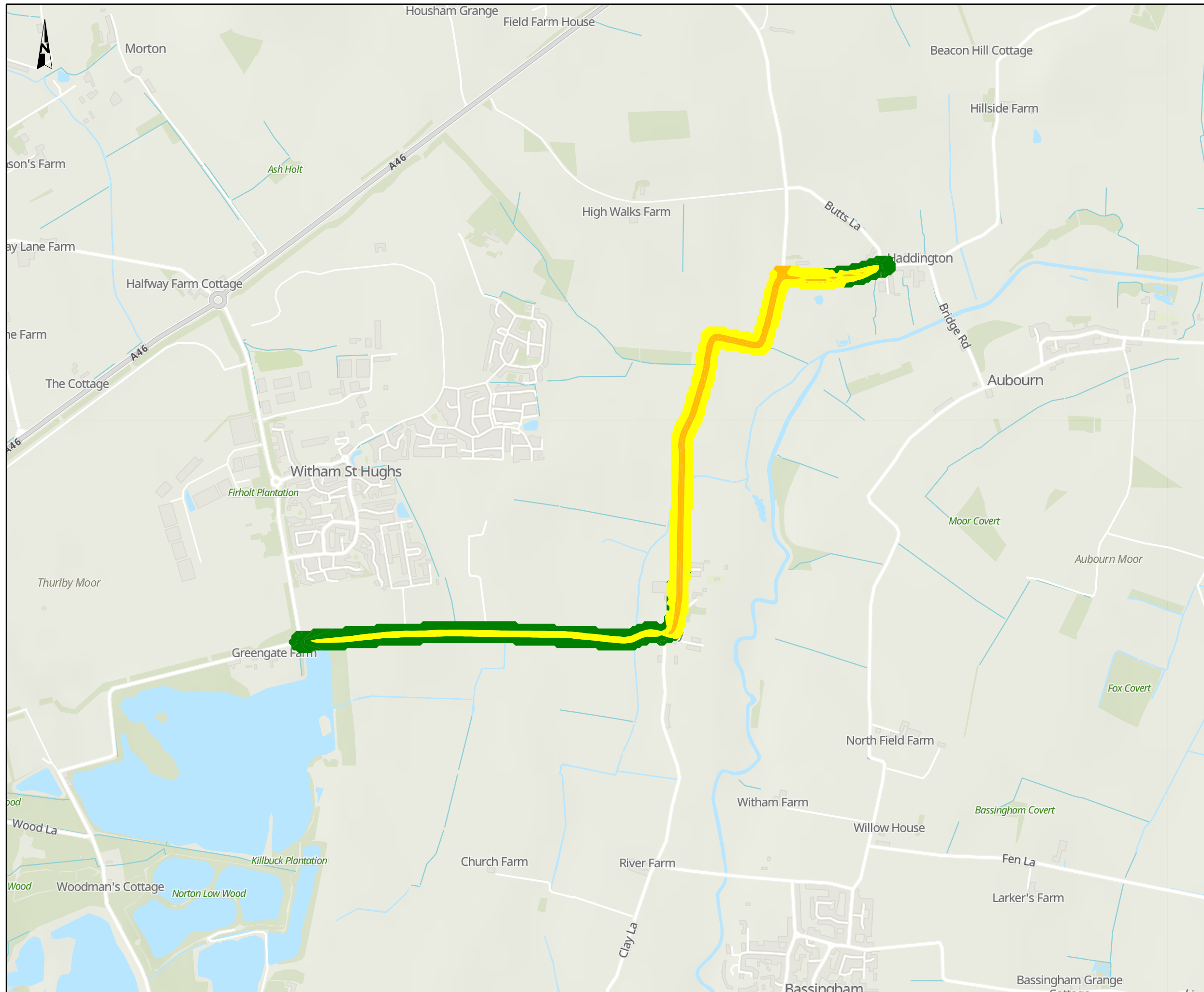
DRAWING TITLE
 Figure 11.10
 Long-term Noise Change
 Sheet: 2 of 8

ORIGINAL SIZE A3 SCALE 1:15,000

DRAWING NUMBER HE551478	ORIGINATOR SKAG	VOLUME ENV	PROJECT REF NO. HE551478
LOCATION CONWI_CONW	TYPE DR	ROLE LA	REVISION C01
	NUMBER 00053		

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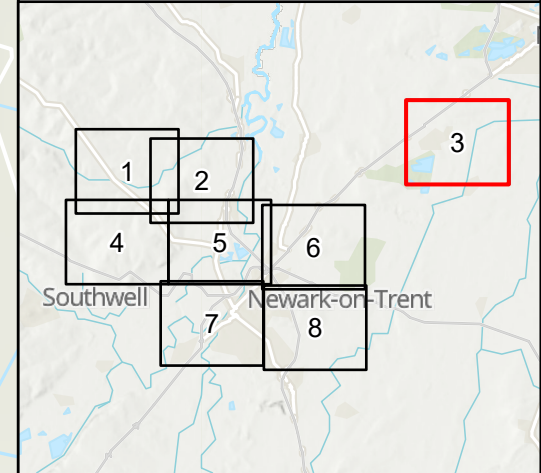


NOTES
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KEY TO SYMBOLS

Long term noise level change Δ in $L_{A10,18h}$ (dB) (Do Minimum Design Year vs Do Something Design Year)

- $\Delta \leq -10$
- $-10 < \Delta \leq -5$
- $-5 < \Delta \leq -3$
- $-3 < \Delta < 3$
- $3 \leq \Delta < 5$
- $5 \leq \Delta < 10$
- $\Delta \geq 10$



CO1	08/12/23	DCO APPLICATION	BH	SD	HF
REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D

CLIENT: **national highways**

PURPOSE OF ISSUE: **DCO APPLICATION**

DEVELOPMENT CONSENT ORDER NUMBER: **TR010065**

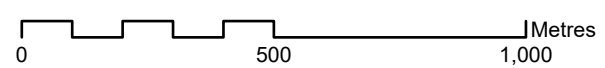
PROJECT TITLE: **A46 NEWARK BYPASS**

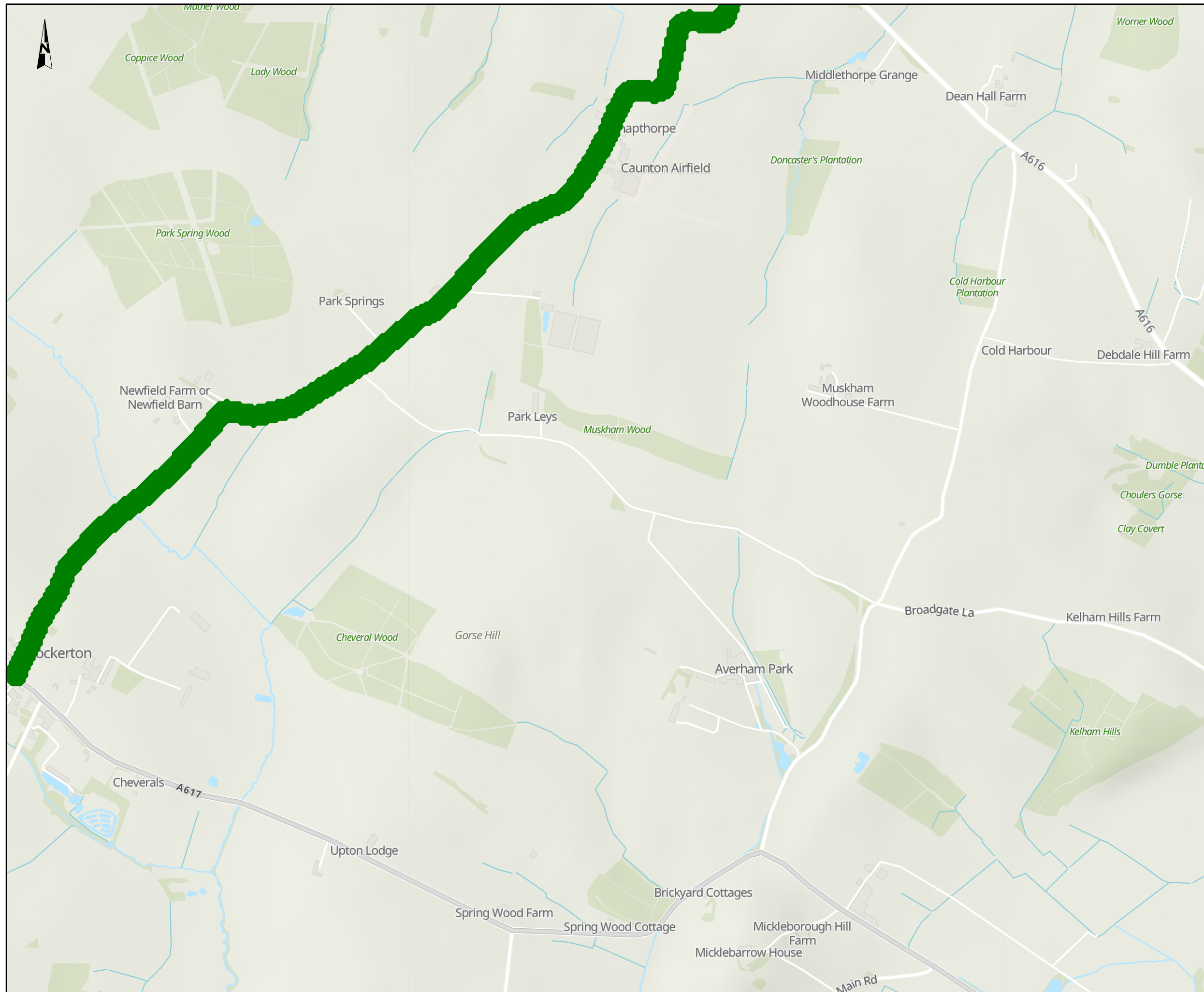
DRAWING TITLE: **Figure 11.10
 Long-term Noise Change
 Sheet: 3 of 8**

ORIGINAL SIZE: A3 SCALE: 1:15,000

DRAWING NUMBER HE 551478	ORIGINATOR SKAG	VOLUME ENV	PROJECT REF NO. HE551478
LOCATION CONWI_CONW	TYPE DR	ROLE LA	REVISION C01
	NUMBER 00054		

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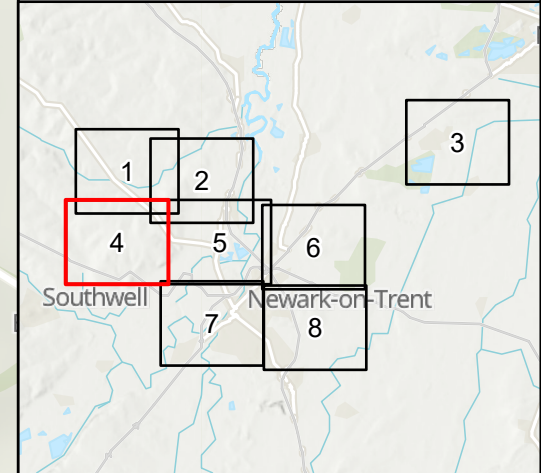


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KEY TO SYMBOLS

Long term noise level change Δ in $L_{A10,18h}$ (dB) (Do Minimum Design Year vs Do Something Design Year)

- $\Delta \leq -10$
- $-10 < \Delta \leq -5$
- $-5 < \Delta \leq -3$
- $-3 < \Delta < 3$
- $3 \leq \Delta < 5$
- $5 \leq \Delta < 10$
- $\Delta \geq 10$



CO1	08/12/23	DCO APPLICATION	BH	SD	HF
REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D

CLIENT

PURPOSE OF ISSUE
 DCO APPLICATION

DEVELOPMENT CONSENT ORDER NUMBER
 TR010065

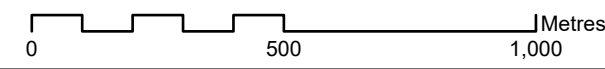
PROJECT TITLE
 A46 NEWARK BYPASS

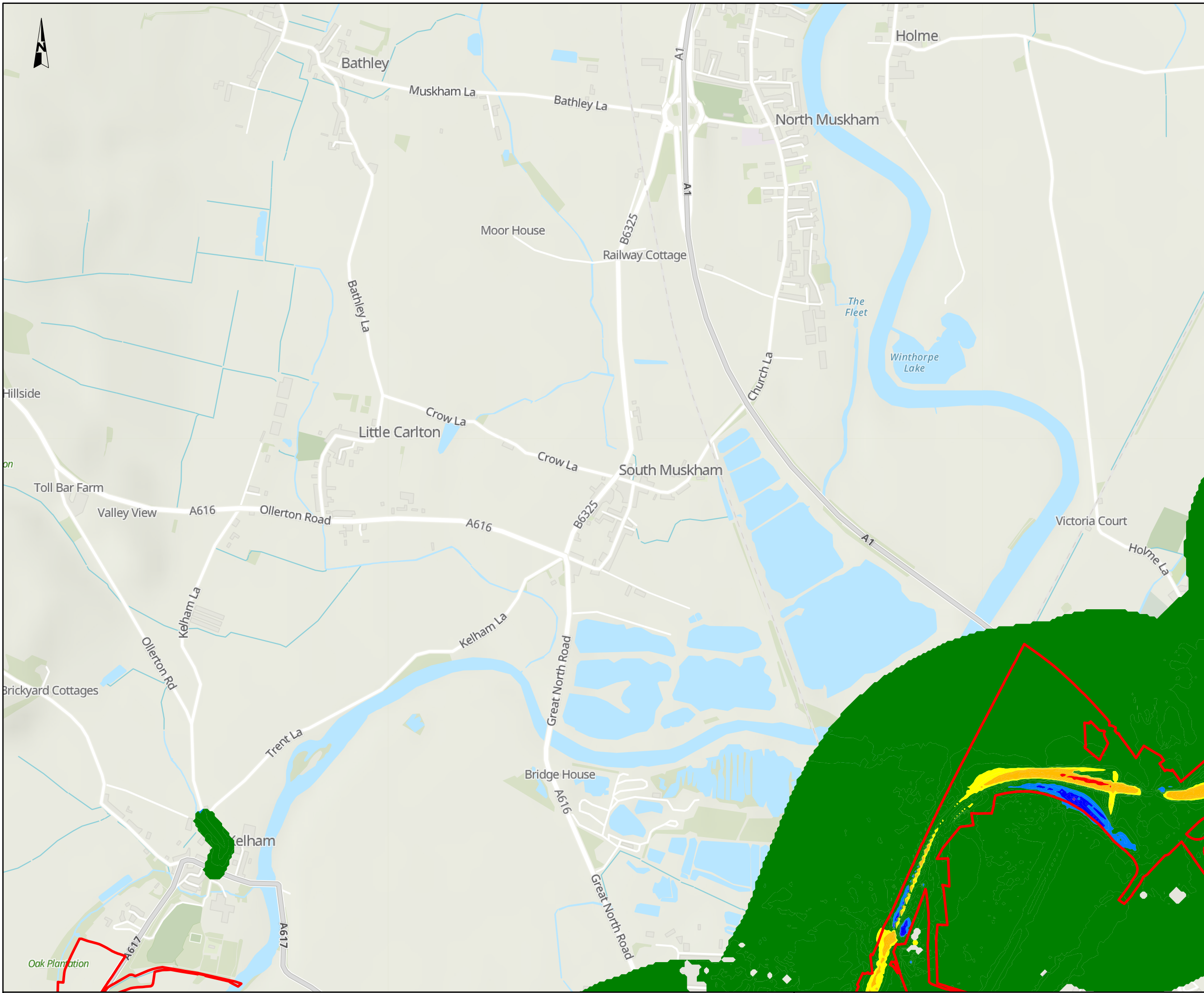
DRAWING TITLE
 Figure 11.10
 Long-term Noise Change
 Sheet: 4 of 8

ORIGINAL SIZE A3 SCALE 1:15,000

DRAWING NUMBER HE551478	ORIGINATOR SKAG	VOLUME ENV	PROJECT REF NO. HE551478
LOCATION CONWI_CONW	TYPE DR	ROLE LA	REVISION C01
	NUMBER 00055		

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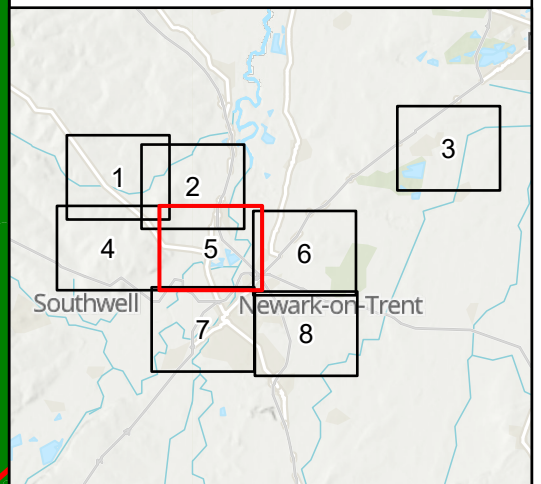
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KEY TO SYMBOLS

Order Limits

Long term noise level change Δ in $L_{A10,18h}$ (dB) (Do Minimum Design Year vs Do Something Design Year)

- $\Delta \leq -10$
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- $-5 < \Delta \leq -3$
- $-3 < \Delta < 3$
- $3 \leq \Delta < 5$
- $5 \leq \Delta < 10$
- $\Delta \geq 10$



C01	08/12/23	DCO APPLICATION	BH	SD	HF
REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D

CLIENT

PURPOSE OF ISSUE
 DCO APPLICATION

DEVELOPMENT CONSENT ORDER NUMBER
 TR010065

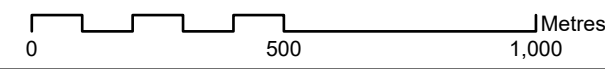
PROJECT TITLE
 A46 NEWARK BYPASS

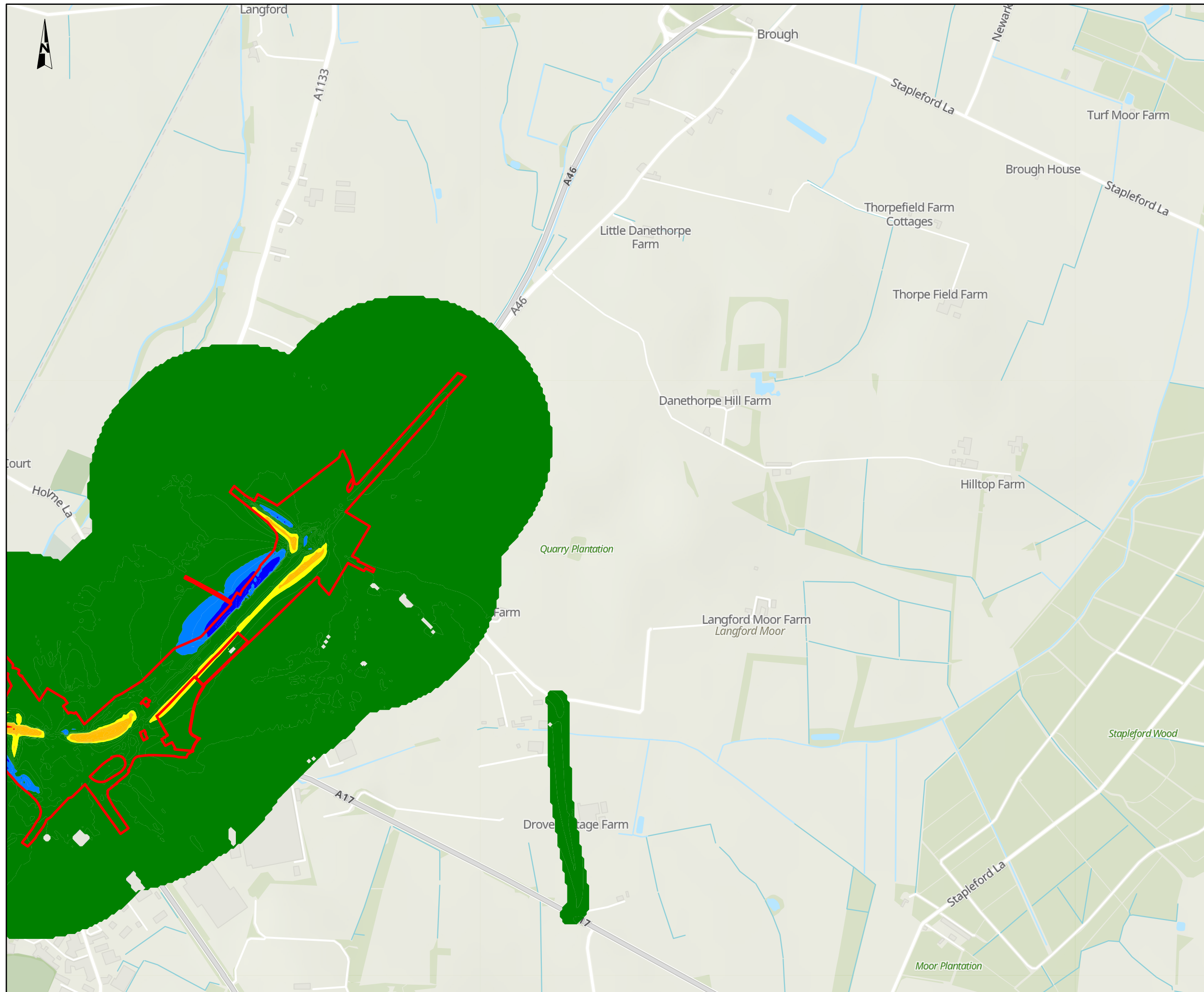
DRAWING TITLE
 Figure 11.10
 Long-term Noise Change
 Sheet: 5 of 8

ORIGINAL SIZE A3 SCALE 1:15,000

DRAWING NUMBER HE551478	ORIGINATOR SKAG	VOLUME ENV	PROJECT REF NO. HE551478
LOCATION CONWI_CONW	TYPE DR	ROLE LA	REVISION C01
	NUMBER 00056		

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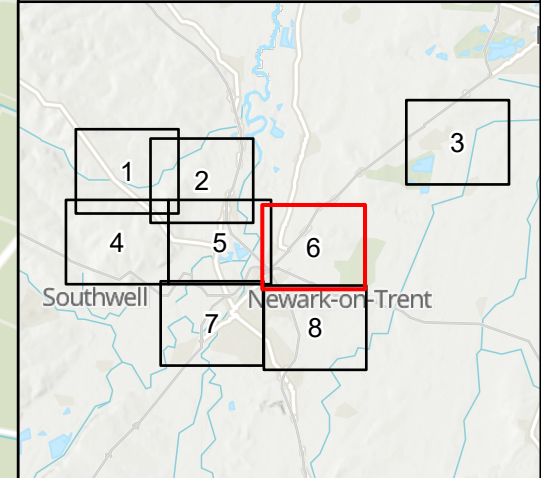
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KEY TO SYMBOLS

Order Limits

Long term noise level change Δ in $L_{A10,18h}$ (dB) (Do Minimum Design Year vs Do Something Design Year)

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- $-5 < \Delta \leq -3$
- $-3 < \Delta < 3$
- $3 \leq \Delta < 5$
- $5 \leq \Delta < 10$
- $\Delta \geq 10$



C02	14/02/24	DCO APPLICATION	BH	SD	HF
REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D

CLIENT

PURPOSE OF ISSUE
 DCO APPLICATION

DEVELOPMENT CONSENT ORDER NUMBER
 TR010065

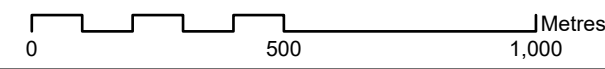
PROJECT TITLE
 A46 NEWARK BYPASS

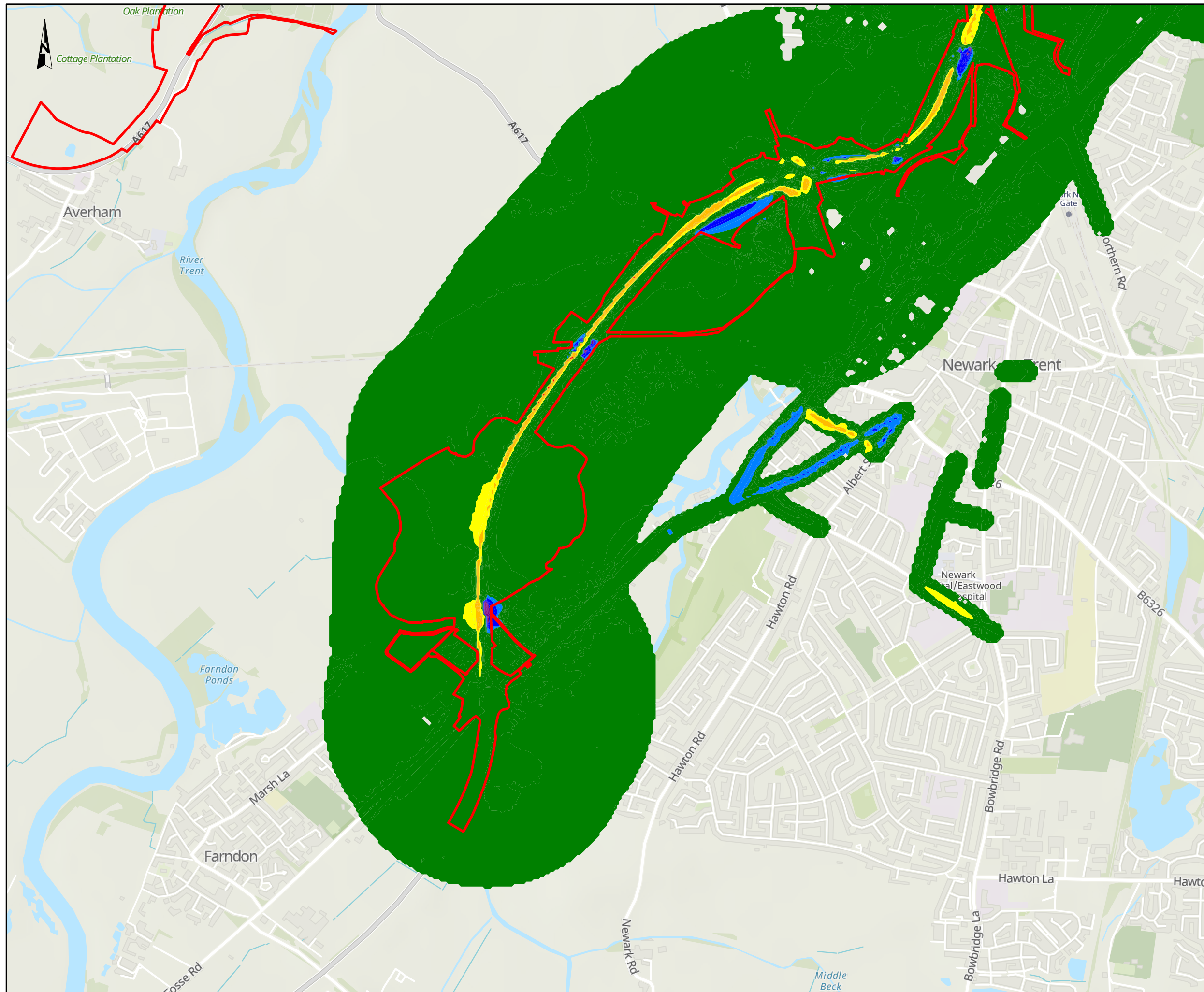
DRAWING TITLE
 Figure 11.10
 Long-term Noise Change
 Sheet: 6 of 8

ORIGINAL SIZE A3 SCALE 1:15,000

DRAWING NUMBER HE551478	ORIGINATOR SKAG	VOLUME ENV	PROJECT REF NO. HE551478
LOCATION CONWI_CONW	TYPE DR	ROLE LA	REVISION C02
	NUMBER 00057		

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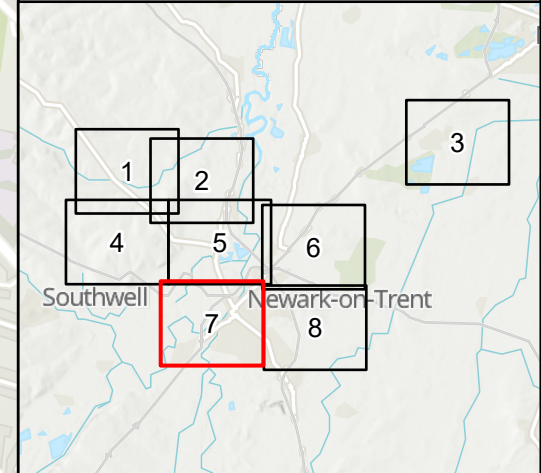
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KEY TO SYMBOLS

Order Limits

Long term noise level change Δ in $L_{A10,18h}$ (dB) (Do Minimum Design Year vs Do Something Design Year)

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- $3 \leq \Delta < 5$
- $5 \leq \Delta < 10$
- $\Delta \geq 10$



C02	14/02/24	DCO APPLICATION	BH	SD	HF
REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D

CLIENT

PURPOSE OF ISSUE
 DCO APPLICATION

DEVELOPMENT CONSENT ORDER NUMBER
 TR010065

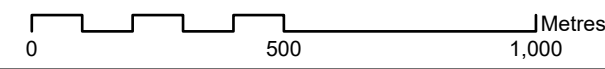
PROJECT TITLE
 A46 NEWARK BYPASS

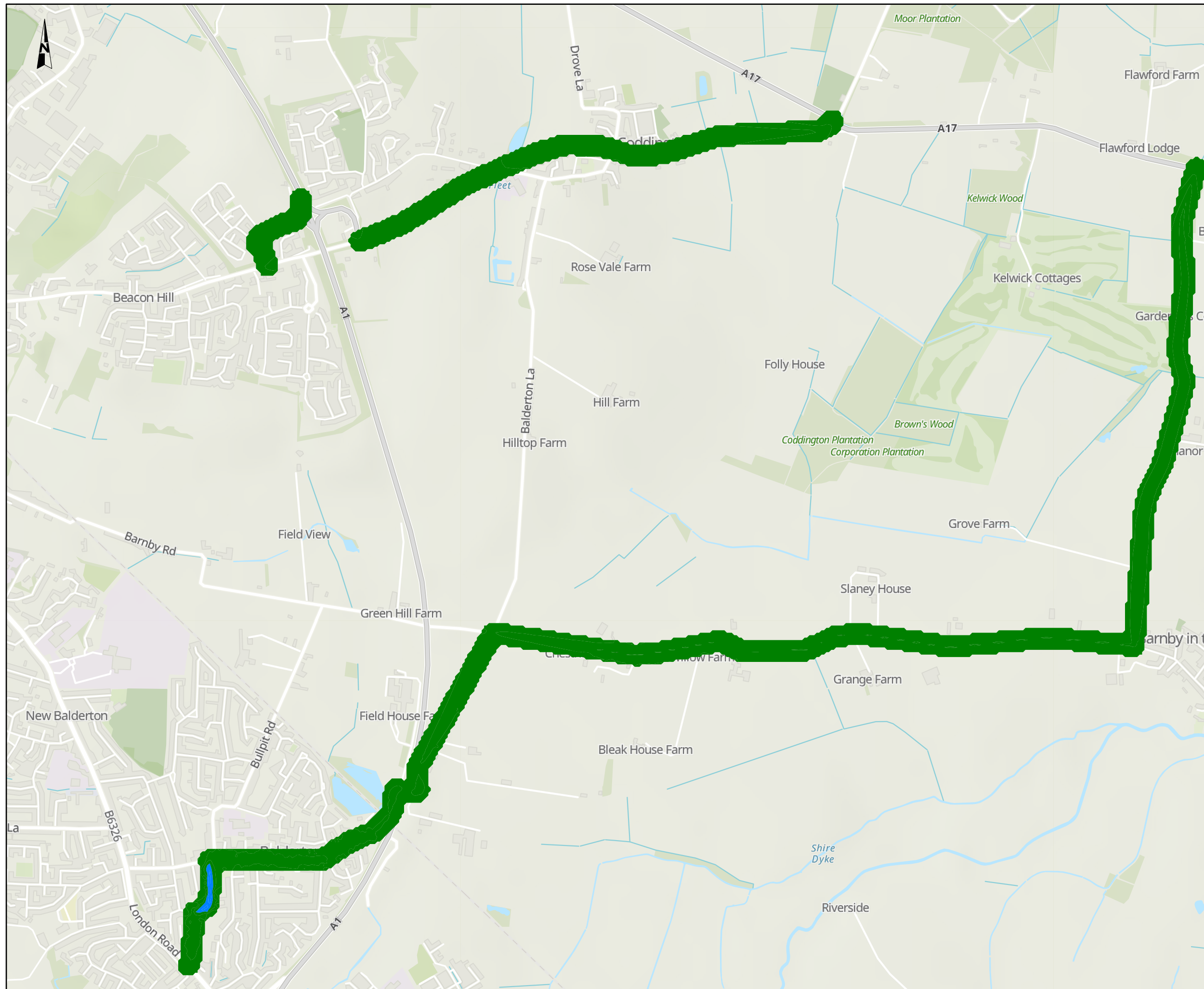
DRAWING TITLE
 Figure 11.10
 Long-term Noise Change
 Sheet: 7 of 8

ORIGINAL SIZE A3 SCALE 1:15,000

DRAWING NUMBER HE551478	ORIGINATOR SKAG	VOLUME ENV	PROJECT REF NO. HE551478
LOCATION CONWI_CONW	TYPE DR	ROLE LA	REVISION C02
	NUMBER 00058		

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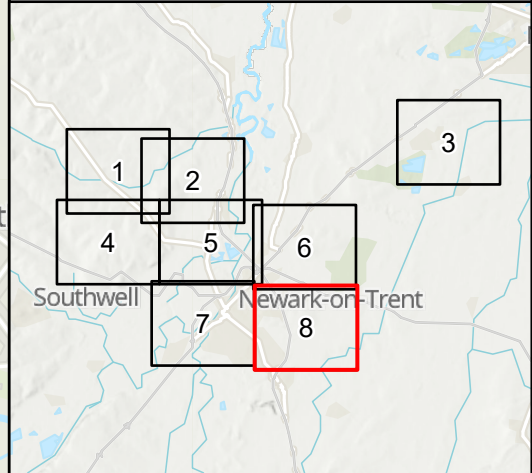


NOTES
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KEY TO SYMBOLS

Long term noise level change Δ in $L_{A10,18h}$ (dB) (Do Minimum Design Year vs Do Something Design Year)

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- █ $\Delta \geq 10$



C02	14/02/24	DCO APPLICATION	BH	SD	HF
REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D

CLIENT: **national highways**

PURPOSE OF ISSUE: **DCO APPLICATION**

DEVELOPMENT CONSENT ORDER NUMBER: **TR010065**

PROJECT TITLE: **A46 NEWARK BYPASS**

DRAWING TITLE: **Figure 11.10
Long-term Noise Change
Sheet: 8 of 8**

ORIGINAL SIZE: A3 SCALE: 1:15,000

DRAWING NUMBER HE 551478	ORIGINATOR SKAG	VOLUME ENV	PROJECT REF NO. HE551478
LOCATION CONWI_CONW	TYPE DR	ROLE LA	REVISION C02
	NUMBER 00059		

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